APPENDIX 5

COMPLETED PROFORMAS FOR THE FAUNA SURVEYS

Although diurnal frog surveys were conducted at all of the same sites that diurnal bird surveys were conducted, only data sheets for specific frog surveys were included to save paper.

Spotlight		Project #	
Proforma	E 2 JAN 2000		r: JC + RUB
BIOSIS			+.12-06
<u>ATSEARC</u> M	GPS 4	Site ID:	SF1 Ma (spotlight free)
Location and timing	Start	SFI-S	Finish SF - F
AMGZone: 56	Easting 2984	68	Easting 298329
	Northing 6211	542	Northing 6211676
	Time (24 h): 22 · 10)	Time (24 h): 23:25
Map sheet Name: Appin	Map sheet number: 90)29-1S	LGA: Wollondilly
John Track A West Survey Details Number of surveyors? 2 Number of hectares covered?			
Survey Details			
Number of surveyors? 2	To	tal effort (per	
Number of hectares covered?	200m transact.		listening fining pollight.
Weather at start of survey	/		
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Temperature (°C): Cool			
			and the second

Moon: Record using the following codes: 0=None, $1 = \frac{1}{4}$ Moon, $2 = \frac{1}{2}$, $3 = \frac{3}{4}$, 4 = Full.

Obs	Observation types									
0	Observed (sighted)	R	Road kill	F	Tracks, scratching					
W	Heard call	D	Dog kill	Z	In raptor/owl pellet					
X	In scat	С	Cat kill	M	Miscellaneous					
Т	Trapped or netted	V	Fox kill	B	Nest or roost					
H	Hair or feathers	S	Shot	Y	Bones or teeth					
A	Stranded/beached	L	Indirect evidence	N	Not located					
K	Dead	P.	Scat	B	Burnt					

Microl	habitat Type				
AC	Flying above canopy	IB	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	L	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	П	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

	Species	Ob. type	Habitat type	Number	Easting	Northing	Accuracy
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5min) listening) miod	L. phyllochroa Crinia signifera	Н	وا	J			
mod (Crinia significa	H	u	5			
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		Proforma						
	BIOSIS	•						
	<u> </u>	G	PS 4				F_2	
	Location and	l timing		Start S	SF2S		Finish SF2F	
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с. Х			North	ing 6211	325	No	orthing 6217361	
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- pr							cord wind speed using the $3 =$ strong, tops of trees move.	
	tonowing codes	1 - cann, 1 - ngnt,	leaves r	ustie, $2 = \text{moderate}$	, oranches mo	ove,	5 = strong, tops of trees move.	
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		ed (sighted)	R	Road kill		F	Tracks, scratching	
	W Heard of	call	D	Dog kill		<u>Z</u> _	In raptor/owl pellet	
	X In scat		C	Cat kill		M	Miscellaneous	
		d or netted	V	Fox kill		E	Nest or roost	
	The second second second	feathers	S	Shot		<u>Y</u>	Bones or teeth	
		ed/beached	I	Indirect evidence		N	Not located	
	<b>K</b> Dead		<u> </u>	Scat		B	Burnt	

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	L	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	ŪG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

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Species	Ob. type	Habitat type	Number	Easting	Northing	Accuracy
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	Cloud or Moon: F Wind di followin Obser O W I X I I H I A S K I Micro AC BR	nents: nents: nia Second over: Record Record usin irection and ng codes: 0 <b>vation ty</b> Observed of Heard call In scat Trapped of Hair or fea Stranded/b Dead <b>bhabitat T</b> Flying a In/on br	ng the following ca I speed: Record w = calm, 1 = light, (sighted) r netted athers beached ype above canopy ridge ing	odes: 0= ind direct leaves r <b>R</b> <b>D</b> <b>C</b> <b>V</b> <b>S</b> <b>I</b> <b>P</b> <b>IB</b> <b>IC</b>	None, 1 = ¼ Moo tion to the neares ustle, 2 = moderat Road kill Dog kill Cat kill Fox kill Shot Indirect evider Scat In burrow In cave	n, 2 = ¹ / ₂ , 3= ³ / ₄ t cardinal point te, branches mo	, 4 = 1 t. Rec powe, 3 $F$ $Z$ $M$ $E$ $Y$ $N$ $B$ $OB$ $OL$	Full. ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log
	Cloud or Moon: F Wind di followin Obser O W I X T T H I K I Micro AC BR BU	hents: hents: hents: hents: hents: hents: hents: hents: hents: hents: hents: here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here here he	g the following ca I speed: Record w = calm, 1 = light, pes (sighted) r netted athers beached ype above canopy tidge ing in rock	odes: 0= ind direct leaves r <b>R</b> <b>D</b> <b>C</b> <b>V</b> <b>S</b> <b>S</b> <b>I</b> <b>B</b> <b>IC</b> <b>IG</b>	None, 1 = ¼ Moo tion to the neares ustle, 2 = moderat Road kill Dog kill Cat kill Fox kill Shot Indirect evider Scat In burrow In cave In grass	n, 2 = ½, 3= ¾ t cardinal point te, branches mo	, 4 = , Rec ove, 3 <b>F</b> Z M E Y N B OB OL OR	Full.         ord wind speed using the         = strong, tops of trees move.         In raptor/owl pellet         Miscellaneous         Nest or roost         Bones or teeth         Not located         Burnt
	Cloud co Moon: H Wind di followin Obser O ( W) X T T H J A S K I Micro AC BR BU CK	nents: nents: nice second ver: Record Record usin rection and ng codes: 0 vation ty Observed of Heard call In scat Trapped of Hair or fea Stranded/b Dead Dead habitat T Flying a In/on br In build Crevice	g the following cd I speed: Record w = calm, 1 = light, (sighted) r netted athers beached ype above canopy ridge ing in rock in log	odes: 0= ind direct leaves r B C V S S I P I B I C I G I G I H	None, 1 = ¼ Moo tion to the neares ustle, 2 = moderat Road kill Dog kill Cat kill Fox kill Shot Indirect evider Scat In burrow In cave In grass In tree hollow	n, 2 = 1/2, 3= 3/4 t cardinal point te, branches mo	, 4 = : t. Rec ove, 3 F Z M E Y N B OB OB OL OR DW	Full. ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water
	Cloud or Moon: F Wind di followin Obser O W I X I I H I A S K I H I A S K I Micro AC BR BU CK	nents: nice in a constraint of the second using rection and and codes: 0 vation typ Observed of the second using rection and and codes: 0 vation typ Observed of the second of th	g the following cd I speed: Record w = calm, 1 = light, (sighted) r netted athers beached ype above canopy ridge ing in rock in log re dam tree (stag)	odes: 0= ind direct leaves r <b>R</b> <b>D</b> <b>C</b> <b>V</b> <b>S</b> <b>S</b> <b>I</b> <b>P</b> <b>I</b> <b>I</b> <b>I</b> <b>I</b> <b>I</b> <b>I</b> <b>I</b> <b>I</b> <b>I</b> <b>I</b>	None, 1 = ¼ Moo tion to the neares ustle, 2 = moderat Road kill Dog kill Cat kill Fox kill Shot Indirect evider Scat In burrow In cave In grass In tree hollow In litter In soil	n, 2 = 1/2, 3= 3/4 t cardinal point te, branches mo	, 4 = : t. Rec ove, 3 F Z M E Y N B OB OB OL OR DW RD	Full. ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road
	Cloud on Moon: H Wind di followin Obser O ( W) X T T H X T H X T T T H Z K T C K C B R BU C K C L DA DT E W	nents: nice Stranded/t Dead <b>Dabitat T</b> Flying a In/on br In build Crevice Farm/fin	g the following cd I speed: Record w = calm, 1 = light, (sighted) r netted athers beached ype above canopy ridge ing in rock in log re dam tree (stag)	odes: 0= ind direct leaves r R D C V S S I I C I S I I C I I C I I C I C I C	None, 1 = ¼ Moo tion to the neares ustle, 2 = moderat Road kill Dog kill Cat kill Fox kill Shot Indirect evider Scat In burrow In cave In grass In tree hollow In litter In reeds	n, 2 = ½, 3= ¾ t cardinal point te, branches mo	, 4 = : t. Rec ove, 3 F Z M E Y N B OB OL OR OR DW RD TK	Full. ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road ON trunk
	Cloud on Moon: H Wind di followin Obser O W I X I H I A K I H A K I Micro AC BR BU CK CL DA DT	nents: nice Similar S	g the following cd I speed: Record w = calm, 1 = light, (sighted) r netted athers beached ype above canopy ridge ing in rock in log re dam tree (stag)	odes: 0= ind direct leaves r R D C V S S I P I B I C I C I G I G I H I L I S	None, 1 = ¼ Moo tion to the neares ustle, 2 = moderat Road kill Dog kill Cat kill Fox kill Shot Indirect evider Scat In burrow In cave In grass In tree hollow In litter In soil	n, 2 = ½, 3 = ¾ t cardinal point te, branches mo	, 4 = : t. Rec ove, 3 F Z M E Y N B OB OB OB OB OR OR DW RD TK UB	Full. ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road ON trunk Under bark
	Cloud or Moon: F Wind di followin Obser O W I X I T T H I X I T T Micro AC BR BU CK CL DA DT EW FC FL	nents: nents: nia St over: Record Record usin rection and ng codes: 0 vation ty Observed Heard call In scat Trapped or Hair or fea Stranded/t Dead Dhabitat T Flying a In/on br In build Crevice Farm/fin In dead Edge of In/on pc Flying v	g the following cd I speed: Record w = calm, 1 = light, (sighted) (sighted) r netted athers beached beached 'ype above canopy ridge ing in rock in log re dam tree (stag) 'water ost or stump within canopy	odes: 0= ind direct leaves r R D C V S S I I I I I I I I I I I I I I I I I	None, 1 = ¼ Moo tion to the neares ustle, 2 = moderat Road kill Dog kill Cat kill Fox kill Shot Indirect evider Scat In burrow In cave In grass In tree hollow In litter In reeds In soil In live tree	n, 2 = 1/2, 3= 3/4 t cardinal point te, branches mo	, 4 = : t. Rec ove, 3 F Z M E Y N B OB OB OB OB OB OB OB OB OB OB OB OB O	Full. ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road ON trunk Under bark Upper canopy Undergrowth Under log
	Cloud or Moon: F Wind di followin Obser O W I X I T T H I A S K I I A S K I I A S K I I A S C K C L D A D T E W F C	nents: nents: nia Second over: Record Record usin irection and ig codes: 0 <b>vation ty</b> Observed of Heard call In scat Trapped of Hair or fea Stranded/b Dead <b>bhabitat T</b> Flying a In/on br In build Crevice Farm/fin In dead Edge of In/on pc	g the following cd I speed: Record w = calm, 1 = light, (sighted) (sighted) r netted athers beached ype above canopy tidge ing in rock in log re dam tree (stag) water bst or stump within canopy and	odes: 0= ind direct leaves r R D C V S S I I P I B I I C I C I C I C I C I C I C I C I	None, 1 = ¼ Moo tion to the neares ustle, 2 = moderat Road kill Dog kill Cat kill Fox kill Shot Indirect evider Scat In burrow In cave In grass In tree hollow In litter In reeds In soil In live tree In water	n, 2 = 1/2, 3 = 3/4 t cardinal point te, branches mo	, 4 = : t. Rec ove, 3 F Z M E Y N B OB OL OR OR OR DW RD TK UB UC UG	Full. ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road ON trunk Under bark Upper canopy Undergrowth

Species	Ob. type	Habitat type	Number	Easting	Northing	Accuracy
species Crinia signifera	Ц	Dam	1			
J .						
				1.		
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					· · · · · · · · · · · · · · · · · · ·	
					·	
						, ,

WAIEKLOU	kor - Mkoci spotli	aht No	ITE: SF4 + SF5 = 200m transect						
	Spotlighti	ng Survey	2 person hours. Project #: 4200						
		ng Sulvey							
	Proforma		Observer: JC + RVB						
	PLOSIS CN'	TERED	Date: 6.12.06						
		Z JAN ZUDA	Site ID: SF4						
	Location and timing	Start S	SF4S Finish SF4F						
	AMGZone: 56	Easting 2984	72 Easting 298524						
		Northing 6211	537 Northing 6211511						
		Time (24 h): 22:20	Time (24 h): $22:40$						
	Map sheet Name: Appin	Map sheet number: 902	29-1S LGA: Wollondilly						
	Location description:		The second se						
	Track A West - Cully - heading east.								
	Survey Details       Total effort (person hours)?         Number of surveyors?       2         Number of hectares covered?       Image of hectares covered?         ~ b0m								
1. Jales	≈ 60m Weather at start of survey								
Water Dragon	Cloud cover: 7/8	Mo	on: ARTOR BORGER FULL						
Dragon	Wind Direction and speed: Mod								
	Temperature (°C): Mild								
×1 (0).	Comments: Couldn't go further than 60m. See SF5 for rest of transect / effort.								
	Cloud cover: Record cover in eights of sky Moon: Record using the following codes: $0=$ None, $1 = \frac{1}{4}$ Moon, $2 = \frac{1}{2}$ , $3 = \frac{3}{4}$ , $4 =$ Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: $0 =$ calm, $1 =$ light, leaves rustle, $2 =$ moderate, branches move, $3 =$ strong, tops of trees move.								
	Observation types								
	O Observed (sighted)	R Road kill	<b>F</b> Tracks, scratching						
	W Heard call	D Dog kill	Z In raptor/owl pellet						
	X In scat	Cat kill V Fox kill	M Miscellaneous						
	TTrapped or nettedHHair or feathers	V         Fox kill           S         Shot	E     Nest or roost       Y     Bones or teeth						
	H         Hair or feathers           A         Stranded/beached	<b>I</b> Indirect evidence							
	K Dead	<b>P</b> Scat	<b>B</b> Burnt						
	Microhabitat Type								
	AC Flying above canopy	<b>IB</b> In burrow	<b>OB</b> On beach sand						
	<b>BR</b> In/on bridge	<b>IC</b> In cave	OI log						
	<b>BU</b> In building	IG In grass	OR On rock						
	<b>CK</b> Crevice in rock	<b>IH</b> In tree hollow	<b>OW</b> Over water						
	CL Crevice in log	II. In litter	RD On road						

for

IR In reeds Farm/fire dam TK ON trunk DA UB Under bark DT In dead tree (stag) IS In soil Edge of water EW In live tree UC Upper canopy IT In/on post or stump FC IW In water UG Undergrowth FL Flying within canopy LC Lower canopy UL Under log GR On ground LS Low shrub UR Under rock High shrub Mid canopy HS MC WH Waterhole

ż

	pecies	Ob. type	Habitat type	Number	Easting	Northing	Accuracy
Litoria	citropa sìgnifera phyllochu	SH	Creek	2	:	• •	
Crimia	significa	н	در	2			
Litoria	phyllock	oa H	u	1			
ι(	Г. J. . к	0	"	1			
						1	
	-						

JAIERCOU	akse - FR	log spot	UGH	ft r	16 × 21	F4 ;	+ SFS = 200m tra	
		Spotlighti	$n \sim 0$		Project		2 person h	<b>504</b> 5.
	J.K	Spotlighti	-	-				
		Proforma	กรารโ				10 + JC	
	BIOSIS		19 TA	NZOAR	Date: -	7.12	- 06	
			GPS	Y	Site ID:	SF	2	
ſ	Location and	timing		Start S	F <b>5</b> S		Finish SFSF	-
	McA AMG Zone:	56	Eastin	g 29889	13	East	ing 298759	
			Northi	ing 6211	318	Nort	hing 6211370	D
			Time	(24 h): 01:35		Time	e (24 h): 02:15	
	Map sheet Na	me: Appin		heet number: 902			A: Wollondilly	
	Location desc	ription: starting	down	stream of	black		ter, continuing	
	Survey Detai Number of sur Number of he	rveyors?	2 :140m	Toti Transoct	al effort (pe	rson he	ours)? 1-33	
	Temperature ( Comments: <b>Blind Snak</b> Cloud cover: Re Moon: Record u Wind direction a	e sp. $\times 1$ (0) cord cover in eights sing the following co and speed: Record w	of sky odes: 0=] ind direc	None, $1 = \frac{1}{4}$ Moon tion to the nearest	n: None (0) $(2 = \frac{1}{2}, 3 = \frac{3}{2}$ cardinal poin	)₩V. 4,4=F nt. Reco	ull. rd wind speed using the = strong, tops of trees move.	
1	·	y- Malalan - Fry Turky- S. T		na a tanàn Germetrika dia dari	rectances and the second	to à aran	ndenski su uri i til u su urektire i terret.	1
	Observation			D 11 11			<b>P</b>	-
	Observe W Heard c	ed (sighted)	R	Road kill			Tracks, scratching	
	X In scat	all	D C	Dog kill Cat kill			In raptor/owl pellet Miscellaneous	
		l or netted	V	Fox kill			Nest or roost	
	<b>H</b> Hair or		S	Shot		CONTRACTOR OF	Bones or teeth	-
		d/beached	I	Indirect evidence	e l		Not located	
	<b>K</b> Dead		P	Scat			Burnt	
		<ul> <li>Second data and a second s</li></ul>		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	1
	Microhabitat		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		ina da constante da serio de Constante da constante da serio de la constante da serio de la constante da serio Constante da constante da serio de la constante da serio de la constante da serio de la constante da serio de l			1
		g above canopy		In burrow		OB	On beach sand	
		bridge		In cave		OL	On log	
	BU In bui	ce in rock	IG	In grass In tree hollow		OR OW	On rock	
		ce in log	IH IL	In tree hollow		RD	Over water On road	-
		fire dam	R	In reeds		TK	ON trunk	-
		ad tree (stag)	IS	In soil		UB	Under bark	-
		of water	III	In live tree		UC	Upper canopy	-
		post or stump	IW	In water		UG	Undergrowth	l   .
		g within canopy		Lower canopy		UL	Under log	
	<b>GR</b> On gr	×	LS	Low shrub		UR	Under rock	1
		shrub	MC	Mid canopy	1.1	WH	Waterhole	1
			⊩_ <b>∧reƳ</b> ia	a since ourropy	16	p <u>er</u> en la		1

Species	Ob. type	Habitat type	Number	Easting	Northing	Accuracy
Crinia signifera Litoria citropa Litoria phyllochra Crinia signifera	0	Creek	1	· · · ·		
Litoria citropa	SH	١٢	١			
Litoria phyllochra	<b>,</b> H	ĸ	)			
Crinia signifera	H	•(	1			
J						
					~	
	_					
<u> </u>						



Project #	: 4200		
Observe	: RVB + =	Jt	
Date: 4	-12-06		
Site ID: (	lack wate	er pool	heplicate

	WP 7 Start GPS 4	Finish
MGA AMG Zone: 56	Easting 298897	Easting
	Northing 6211298	Northing
	Time (24 h): 23 : 55	Time (24 h): 00:15
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description:		See map
Black water po	ol - vegetation lack	ing. for area covered.
l l	0	S covered.

Survey Details	
Number of surveyors? 2	Total effort (person hours)? 0.5 (+ listening)
Number of hectares covered? Large poo	Smin listening + 15min southight.
	J T J

Weather at start of survey	
Cloud cover: 0/8	Moon: Ful
Wind Direction and speed: Still	Rain: None
Temperature (°C): Coo	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full.

2008

Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	С	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	<b>I</b> >	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR_	In/on bridge	IC _	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	L II	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	TW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Species	Ob. type	Habitat type	Number	Easting	Northing	Ассигнсу
Litair	<u>, a a a a a a a a a a a a</u>					n na na kana makan kata pertakan kata kata kata kata kata kata kata
Listening: None				1 -		
None						
c 11/1						
Spotlight: None						
None						
Unter think				it and	hother as	no at
Water thick edges. No	001		M $($	lant see		
edges. No	inse	cts d	pserver	on wa	<u>xter. No</u>	bankside
*						
				-		
-						
	ļ					
	+					

	Spotlighti Proforma	ng Survey	Date: 7	r: JC+RVB
Location and	timing	WP7 Start	aps 4	Finish
MGA AMG Zone:	56	Easting 2988	97	Easting
		Northing 6211	298	Northing
		Time (24 h): 01:05		Time (24 h): 01:20
Map sheet Nat	me: Appin	Map sheet number: 902	29-1S	LGA: Wollondilly
Location desc. Black h	ription: vater pool.	No bantside	veg.	Trees dead. Sludge.

			nanan seri den serien serie destructures de la company
Number of surveyors?	2	Total effort (person hours)?	0.5
Number of hectares covered?	Large pool		
	0 1		

Moon:	Fall
Rain:	None
	Moon:

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types				
		R	Road kill	F	Tracks, scratching
W	Heard call	<b>D</b>	Dog kill	Z	In raptor/owl pellet
X	In scat	С	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Species	Ob. type	Habitat type	Number	Easting	Northing	Accuracy
No signs of a	ny li	fe!				
U						

Call Play Proforma	2 2 JAN 200 FINITERED	$\begin{array}{c} \textbf{Observe} \\ \textbf{Date: } \zeta \end{array}$	ect #: 4200 erver: RVB + JC e: 5 · 12 · 06 ID: <u>(PF-USGD</u> CPF01					
Location and timing								
MGA Zone: 56	Easting 298354		Northing 6212661					
Start time (24 h): $1\%$ : $4D$	Finish time (24 h):	18:55						
Map sheet Name: Appin	Map sheet number: 9	9029-1S	LGA: Wollondilly					
Location description: Downslope of upland swamp off boundary road, pointing towards gully.								
Survey Details Type of amplification? Loud Duration of listening (minutes)?	hailer I	Duration of call	playback (minutes)? 5					
Weather at start of survey         Cloud cover:       0/8         Moon:       N/A         Wind Direction and speed:       Brogze (strong)         Rain:       Nøre         Temperature (°C):       Mild         Comments:       Comments								

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types			- PLANE	
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
Ŵ	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	С	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL.	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

CALL OF	Playback Details		Specie	s Respons	9 • • • • • • • • • • • • • • • • • • •
Time (24 h)	Call species name	Time (24 h)	Species name	No. Ind.	Comment
18:45	Pseudophryre australia	18:50	No response		
10					
					,
					~
		1			

Call Play	back Survey	Project #: 4200 Observer: JC + Ruß						
BIOSIS 2 2 JA	RED N 2006, P5 4	Date:	5-12-06 Callplayback gully tridge dimensi					
Location and timing								
MGA Zone: 56	Easting 297974		Northing 6211977					
Start time (24 h): 17:30	Finish time (24 h):	7:45						
Map sheet Name: Appin	Map sheet number: 902	.9-1S	LGA: Wollondilly					
Location description: Powerline easeme	nt - west -	aimed	down into gully.					

Survey Details	
Type of amplification? Loud haile	Duration of call playback (minutes)? 5
Duration of listening (minutes)?	

Cloud cover: $0/8$	Moon: $N/A$
Wind Direction and speed: Strong breeze	Rain: None
Temperature (°C): Mild	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types	ja en s			
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
Т	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Indirect evidence	Ň	Not located
K	Dead	P	Scat	B	Burnt

Microl	habitat Type				
AC	Flying above canopy	IB	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	É	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Paradado, " erangionas di	Playback Details		Specie	s Respons	8
Time (24 h)	Call species name	Time (24 h)	Species name	No. Ind.	Comment
17:35	Pseudophnyne australis	17:40			
			· · ·		
				_	
	· .				
					+

CPF03

Droforma	TERED 2 A A A	Project #: 4200 Observer: RVB + JC Date: 5.12.06 Site ID: Call Playback - gully-diurnal		
Location and timing	CPFGD (call p	laybade f	rogs gully diurnal)	
MGA Zone: 56	Easting 2975		Northing 6212763	
Start time (24 h): 16:45	Finish time (24 h):	7.10		
Map sheet Name: Appin	Map sheet number: 902	29-1S	LGA: Wollondilly	
, 	Jam. Near 1		m winder surveys.	

Survey Details			nan Kelia dan di kecalar dan dari dan dari dan dari dari dari dari dari dari dari dari
Type of amplification?	oud	hailer	Duration of call playback (minutes)? 5
Duration of listening (min	utes)?	5	

Weather at start of survey	
Cloud cover: $0/8$	Moon: $\nu/A$
Wind Direction and speed: Cight breeze	Rain: None
Temperature (°C): Hot we rook breeze.	
Comments:	
Initial 5 min listening period:	Graia signifera Ht None
Entron installing ports	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
T	Trapped or netted	<b>v</b>	Fox kill	Ē	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy		Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

	Playback Details		Specie:	s Response	
Time (24 h)	Call species name	Time (24 h)	Species name	No. Ind.	Comment
16:50	Pseudophyrne australis	16:55	No response		
17:00	Konla	17:05	No response		
			\ \ 		
. <u> </u>					

Proforma BIOSIS				Project #: 4200 Observer: RVB + JC Date: 6-12.06 Site ID: Callplayback Frogs Cully Diurnal		
Location and timing		CPFQD2				
MGA Zone: 56	39	No	thing 6212300			
Start time (24 h): 17:50	Finisł	n time (24 h):	3:05			
Map sheet Name: Appin	Map s	sheet number: 902	29-1S	LG	A: Wollondilly	
Location description: Gully below coal	l pit,	, facing u	pslope	to	south.	
Survey Details         Type of amplification?         Duration of listening (minutes) ⁴		iler Du	ration of call	play	back (minutes)? _5	
Cloud cover: $7/8$ Moon: $N/4$ Wind Direction and speed:       light breeze       Rain:       None         Temperature (°C):       Mild       Comments:       Comments:         Cloud cover:       Record cover in eights of sky       Noon:       Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.         Wind direction and speed:       Record wind direction to the nearest cardinal point. Record wind speed using the						
Eastern Yellow Robin Cloud cover: Record cover in eights Moon: Record using the following of Wind direction and speed: Record v	codes: 0= wind dire	None, $1 = \frac{1}{4}$ Moon of the nearest	cardinal point	t. Rec	ord wind speed using the	
Eastern Yellow Robin Cloud cover: Record cover in eights Moon: Record using the following of Wind direction and speed: Record v following codes: 0 = calm, 1 = light	codes: 0= wind direct, leaves r	None, $1 = \frac{1}{4}$ Moon ction to the nearest ustle, $2 = $ moderate	cardinal point e, branches mo	t. Rec ove, 3	ord wind speed using the = strong, tops of trees move.	
Eastern Yellow Robin Cloud cover: Record cover in eights Moon: Record using the following of Wind direction and speed: Record v following codes: 0 = calm, 1 = light Observation types	codes: 0= wind direct, leaves r	None, $1 = \frac{1}{4}$ Moon ction to the nearest ustle, $2 = $ moderate	cardinal point e, branches mo	t. Rec ove, 3	ord wind speed using the = strong, tops of trees move.	
Eastern Yellow Robin Cloud cover: Record cover in eights Moon: Record using the following of Wind direction and speed: Record v following codes: 0 = calm, 1 = light Observation types O Observed (sighted)	codes: 0= wind direct, leaves r	None, 1 = ¼ Moor ction to the nearest ustle, 2 = moderate Road kill	cardinal point e, branches mo	t. Rec ove, 3 F	ord wind speed using the = strong, tops of trees move. Tracks, scratching	
Eastern Yellow Robin Cloud cover: Record cover in eights Moon: Record using the following of Wind direction and speed: Record v following codes: 0 = calm, 1 = light Observation types O Observed (sighted) W Heard call	codes: 0= vind direct t, leaves r <b>R</b> <b>D</b>	None, 1 = ¼ Moor ction to the nearest ustle, 2 = moderate Road kill Dog kill	cardinal point e, branches mo	t. Rec ove, 3 F Z	ord wind speed using the = strong, tops of trees move.	
EasternYellowRobinCloud cover: Record cover in eightsMoon: Record using the following coWind direction and speed: Record vfollowing codes: 0 = calm, 1 = lightObservation typesOObserved (sighted)WHeard callXIn scat	codes: 0= wind direct t, leaves r	None, 1 = ¼ Moor ction to the nearest ustle, 2 = moderate Road kill	cardinal point e, branches mo	t. Rec ove, 3 F	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet	
EasternYellowRobinCloud cover: Record cover in eightsMoon: Record using the following coWind direction and speed: Record vfollowing codes: 0 = calm, 1 = lightObservation typesOObserved (sighted)WHeard callXIn scat	codes: 0= vind direc ; leaves r <b>R</b> <b>D</b> <b>C</b> <b>V</b>	None, 1 = ¼ Moor ction to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill	cardinal point e, branches mo	t. Rec ove, 3 F Z M	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous	
EasternYellowRobinCloud cover: Record cover in eightsMoon: Record using the following ofWind direction and speed: Record vfollowing codes: 0 = calm, 1 = lightObservation typesOObserved (sighted)WHeard callXIn scatTTrapped or netted	codes: 0= wind direct t, leaves r <b>R</b> <b>D</b> <b>C</b>	None, 1 = ¼ Moon ction to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill	cardinal point e, branches mo	t. Recove, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost	
Eastern Yellow Robin Cloud cover: Record cover in eights Moon: Record using the following of Wind direction and speed: Record v following codes: 0 = calm, 1 = light Observation types O Observed (sighted) W Heard call X In scat T Trapped or netted H Hair or feathers	codes: 0= vind direct t, leaves r <b>R</b> <b>D</b> <b>C</b> V S	None, 1 = ¼ Moon ction to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot	cardinal point e, branches mo	t. Recove, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth	
Eastern Yellow RobinCloud cover: Record cover in eightsMoon: Record using the following ofWind direction and speed: Record vfollowing codes: 0 = calm, 1 = lightObservation typesOObserved (sighted)WHeard callXIn scatTTrapped or nettedHHair or feathersAStranded/beachedKDead	codes: 0= vind direc ; leaves r <b>R</b> <b>D</b> <b>C</b> <b>V</b> <b>S</b> <b>I</b> <b>P</b>	None, 1 = ¼ Moor ction to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect evidence Scat	cardinal point e, branches mo	t. Rec ove, 3 F Z M E Y N B	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located	
Eastern Yellow RobinCloud cover: Record cover in eightsMoon: Record using the following ofWind direction and speed: Record vfollowing codes: 0 = calm, 1 = lightObservation typesOObserved (sighted)WHeard callXIn scatTTrapped or nettedHHair or feathersAStranded/beachedKDead	codes: 0= vind direct t, leaves r <b>R</b> <b>D</b> <b>C</b> <b>V</b> <b>S</b> <b>I</b> <b>P</b>	None, 1 = ¼ Moor ction to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect evidence Scat	cardinal point e, branches mo ce	t. Recove, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt	
Eastern Yellow RobinCloud cover: Record cover in eightsMoon: Record using the following ofWind direction and speed: Record vfollowing codes: 0 = calm, 1 = lightObservation typesOObserved (sighted)WHeard callXIn scatTTrapped or nettedHHair or feathersAStranded/beachedKDead	codes: 0= vind direct t, leaves r R D C V S S I P	None, 1 = ¼ Moor ction to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect evidend Scat	cardinal point e, branches mo ce	t. Recove, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand	
EasternYellowRobinCloud cover: Record cover in eightsMoon: Record using the following ofWind direction and speed: Record vfollowing codes: 0 = calm, 1 = lightObservation typesOObserved (sighted)WHeard callXIn scatTTrapped or nettedHHair or feathersAStranded/beachedKDeadMicrohabitat TypeACFlying above canopyBRIn/on bridge	codes: 0= vind direct t, leaves r <b>R</b> <b>D</b> <b>C</b> <b>V</b> <b>S</b> <b>I</b> <b>P</b> <b>IB</b> <b>IC</b>	None, 1 = ¼ Moor ction to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect evidend Scat In burrow In cave	cardinal point e, branches mo ce	t. Recove, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log	
Eastern Yellow RobinCloud cover: Record cover in eightsMoon: Record using the following ofWind direction and speed: Record vfollowing codes: 0 = calm, 1 = lightObservation typesOObserved (sighted)WHeard callXIn scatTTrapped or nettedHHair or feathersAStranded/beachedKDead	codes: 0= vind direct t, leaves r R D C V S S I P	None, 1 = ¼ Moor ction to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect evidend Scat	cardinal point e, branches mo	t. Recove, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock	
EasternYellowRobinCloud cover: Record cover in eightsMoon: Record using the following ofWind direction and speed: Record vfollowing codes: 0 = calm, 1 = lightObservation typesOObserved (sighted)WHeard callXIn scatTTrapped or nettedHHair or feathersAStranded/beachedKDeadMicrohabitat TypeACFlying above canopyBRIn/on bridgeBUIn building	codes: 0= vind direc ; leaves r R D C V S I I P IB IC IG	None, 1 = ¼ Moor ction to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect evidence Scat In burrow In cave In grass	cardinal point e, branches mo ce	t. Recove, 3 FZ M FZ M FZ M FZ N B O B O C C C R	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log	
Eastern Yellow RobinCloud cover: Record cover in eightsMoon: Record using the following ofWind direction and speed: Record vfollowing codes: 0 = calm, 1 = lightObservation typesOObserved (sighted)WHeard callXIn scatTTrapped or nettedHHair or feathersAStranded/beachedKDeadMicrohabitat TypeACFlying above canopyBRIn/on bridgeBUIn buildingCKCrevice in rock	codes: 0= wind direct t, leaves r R D C V S I F F I I I I I G I H	None, 1 = ¼ Moor ction to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect evidend Scat In burrow In cave In grass In tree hollow	cardinal point e, branches mo ce	t. Recover, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water	
Eastern Yellow RobinCloud cover: Record cover in eightsMoon: Record using the following ofWind direction and speed: Record vfollowing codes: 0 = calm, 1 = lightObservation typesOObserved (sighted)WHeard callXIn scatTTrapped or nettedHHair or feathersAStranded/beachedKDeadMicrohabitat TypeACFlying above canopyBRIn/on bridgeBUIn buildingCKCrevice in rockCLCrevice in log	codes: 0= vind direct t, leaves r R D C V S S I P P I B I C I G I H I L	None, 1 = ¼ Moor ction to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect evidend Scat In burrow In cave In grass In tree hollow In litter	cardinal point e, branches mo	t. Recove, 3 FZ M E Y N B OB OL OR OW RD	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road	
Eastern Yellow RobinCloud cover: Record cover in eightsMoon: Record using the following ofWind direction and speed: Record vfollowing codes: 0 = calm, 1 = lightObservation typesOObserved (sighted)WHeard callXIn scatTTrapped or nettedHHair or feathersAStranded/beachedKDeadMicrohabitat TypeACFlying above canopyBRIn/on bridgeBUBUIn buildingCKCrevice in rockCLCrevice in logDAFarm/fire dam	codes: 0= vind direct , leaves r R D C V S I S I I P	None, 1 = ¼ Moor ction to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect evidend Scat In burrow In cave In grass In tree hollow In litter In reeds	cardinal point e, branches mo ce	t. Recove, 3 F Z M E Y N B OB OL OR OR OW RD TK	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road ON trunk	
Eastern Yellow RobinCloud cover: Record cover in eightsMoon: Record using the following ofWind direction and speed: Record vfollowing codes: 0 = calm, 1 = lightObservation typesOObserved (sighted)WHeard callXIn scatTTrapped or nettedHHair or feathersAStranded/beachedKDeadMicrohabitat TypeACFlying above canopyBRIn/on bridgeBUIn buildingCKCrevice in rockCLCrevice in logDAFarm/fire damDTIn dead tree (stag)	codes: 0= vind direc ; leaves r R D C V S I I I I I I I I I I I I I I I I I I	None, 1 = ¼ Moor ction to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect evidend Scat In burrow In cave In grass In tree hollow In litter In reeds In soil	cardinal point e, branches mo ce	t. Recove, 3 FZM FZM M FZM FZM FZM FZM FZM OB OL OR OW RD TK UB	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road ON trunk Under bark	
Eastern Yellow RobinCloud cover: Record cover in eightsMoon: Record using the following ofWind direction and speed: Record vfollowing codes: 0 = calm, 1 = lightObservation typesOObserved (sighted)WHeard callXIn scatTTrapped or nettedHHair or feathersAStranded/beachedKDeadMicrohabitat TypeACFlying above canopyBRIn/on bridgeBUIn buildingCKCrevice in rockCLCrevice in logDAFarm/fire damDTIn dead tree (stag)EWEdge of water	codes: 0= wind direct t, leaves r R D C V S S I I P I B IC IG IG IH I I I I I I I I I I I I I I I	None, 1 = ¼ Moor ction to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect evidend Scat In burrow In cave In grass In tree hollow In litter In reeds In soil In live tree	cardinal point e, branches mo ce	t. Recove, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road ON trunk Under bark Upper canopy	
Eastern Yellow RobinCloud cover: Record cover in eightsMoon: Record using the following ofWind direction and speed: Record vfollowing codes: 0 = calm, 1 = lightObservation typesOObserved (sighted)WHeard callXIn scatTTrapped or nettedHHair or feathersAStranded/beachedKDeadMicrohabitat TypeACFlying above canopyBRIn/on bridgeBUIn buildingCKCrevice in rockCLCrevice in logDAFarm/fire damDTIn dead tree (stag)EWEdge of waterFCIn/on post or stump	codes: 0= vind direc ; leaves r B C V S S I P S I C S I I I I I I I I I I I I I I I I	None, 1 = ¼ Moor ction to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect evidend Scat In burrow In cave In grass In tree hollow In litter In reeds In live tree In water	cardinal point e, branches mo ce	t. Recove, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road ON trunk Under bark Upper canopy Undergrowth	

	Playback Details	1	Speci	es Response	•
Time (24 h)	Call species name	Time (24 h)	Species name	No. Ind.	Comment
7:55	Pseudophyme australis	8:08	No response		
		· ·			
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	BIOSIS Proforma	PS 4	Date: 5	r: RVB + JC -12-06 Call Playback - Upland Swamp
	MGA Zone: 56	Easting 2991		Northing 6211451
	Start time (24 h): 02 : 20	Finish time (24 h): O	2:55	
	Map sheet Name: Appin	Map sheet number: 90	)29-1S	LGA: Wollondilly
	Location description: Notand Swamp	off Track	ΑE	ast.
NOTE:	Notand Swamp Stood at edge of	swamp and ain	red in +	down.
lots of	Survey Details Type of amplification? Lowo Duration of listening (minutes)?		uration of call	playback (minutes)? S
loud	Weather at start of survey			
noise from	Cloud cover: 0/8 Wind Direction and speed:		oon: Fa	ll
noise from colliery.	Temperature (°C): Coo Comments:			
	Cloud cover: Record cover in eights Moon: Record using the following of		$n = \frac{1}{3} = \frac{3}{3}$	4 = Full
	Wind direction and speed: Record v			

following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types		
Observed (sighted)	<b>R</b> oad kill	<b>F</b> Tracks, scratching
W Heard call	<b>D</b> Dog kill	<b>Z</b> In raptor/owl pellet
X In scat	Cat kill	M Miscellaneous
<b>T</b> Trapped or netted	<b>V</b> Fox kill	<b>E</b> Nest or roost
Hair or feathers	Shot	Y Bones or teeth
A Stranded/beached	Indirect evidence	Not located
<b>K</b> Dead	P Scat	<b>B</b> Burnt

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	ow	Over water
CL	Crevice in log	II.	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	ÜR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

	Playback Details		Si Si	pecies Response	
Time (24 h)	Call species name	Time (24 h)	Species name	No. Ind.	Comment
02:25	Litoña littlejohni Heliqorus australiaco Recadephyre austral	02:30	No response		
02:35	Heliqorus australiaco	5 02:40	) No response	2	
02:45	Breadophype austra	r 02:50	o No response		
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### LALL PLAYBACK - FROGS NOCTURNAL

7. N. N. N.	-	back Survey 張剛風 CPS 4	Date:	#: 4200 F: JC + RUB 6.12.06 Same spot as CPFCRD (CPFG) coll playbace
Location and t	iming			frigs gull
MGA Zone:	56	Easting 2979	74	Northing 6211977
Start time (24 h)	): 23:26	Finish time (24 h): 💋	00:0	
Map sheet Nam	e: Appin	Map sheet number: 90	29-1S	LGA: Wollondilly
Location descrip Powerline		-west-aimed Below upland	down swamp	into gully.

Survey Details		
Type of amplification?	loud houler	Duration of call playback (minutes)? 5
Duration of listening (minu	ites)? 5	

Wind Direction and speed: Moderate Ra	
	ain: None
Temperature (°C): Mild	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full.

Obse	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	С	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microl	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	<b>L</b>	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

	Playback Details		Species	Response	<b>3</b>
Time (24 h)	Call species name	Time (24 h)	Species name	No. Ind.	Comment
23:26	Initial Smin listening period	23:31	Litoria peronix 2, L.c.	hopa	x2, Crinia signifera x I.
23:31	Litoria littlephri	23:36	No response		<b>.</b>
23:41	Helioporus australian	_F 23:44	No response		
23:51	Bendophrine austra	323:5	6 No response		
			0		
					<b></b>
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SPOTLIGHT	RI	DAE		<b>NTE</b> REG	5)		Smri
- mamm	nals		E				_
	-	Spotlighti	na S		Project #	<b>‡: 42</b>	00
							KJC, Gum
	and a state of the	Proforma			Date: 2		
	BIC	DSIS					
	<u> </u>	<u> </u>			Site ID:	2	R1
-	Locat	ion and timing	SRI	S Start		SF	ZIF Finish
-	-	· · · · · · · · · · · · · · · · · · ·					
-	AMG	Zone: 56	Eastin	g 29919	5 6	Eas	ting 298570
			Northi	ngbZII	594	Nor	thing 6211597
-			Time (	(24 h): 22.18		Tim	ne (24 h): 23.00
ſ	Mans	heet Name: Appin		heet number: 902			A: Wollondilly
-		on description: Spotlig		idge transe			A. Wonondiny
		on assertation. Abound	} V⊴, I	Une and Se	<b>سلمہ</b> اتن ج		
	$\sum_{i \in \mathcal{I}} (i \in \mathcal{I})$						* ~
	-0,00	toom.					42
-		tal lake-anti cate av de enem		and an a string to be seen as			allandon allow a second s
		y Details					
-	_	er of surveyors? Z			al effort (per	son h	nours)? 1.4 hrs
Ĺ	Numb	er of hectares covered?	<u>500N</u>	ntraversed	_		
L.						89 - F	
-		her at start of survey		Mo	on: NA		
-		Direction and speed: 42	1-2	Rai			ne spitting
+		erature (°C):	<u>c                                    </u>				ne spritz
-	Comn						
-			· ô· · · -				
	Noi	se distrubance	Hom	west a-	mine S.H	2	
l.							
		over: Record cover in eights		× 1 2/35	0 1/ 0 3/		- 11
		Record using the following co rection and speed: Record wi					
							= strong, tops of trees move.
_							
		vation types					
- - - 		Observed (sighted)	R	Road kill			Tracks, scratching
		Heard call	D	Dog kill		<u></u>	In raptor/owl pellet
		In scat	C	Cat kill		egendente ministre	Miscellaneous
		Trapped or netted	V	Fox kill			Nest or roost
2 2 2		Hair or feathers	S	Shot			Bones or teeth
		Stranded/beached	I	Indirect evidence		1 10 1 1 1 1 1	Not located
L	K	Dead	<b>P</b>	Scat	3.41. 27.12	<b>B</b>	Burnt
1	M!	habitat P.	an a			ana Tha	, <u>Maria a North an ann an an an an a</u>
2	AC	habitat Type Flying above canopy	B	In burrow		OB	On beach sand
<u>-</u>	BR	In/on bridge	IC	In cave			On log
	BU	In building	IG	In grass		OR	On rock
	CK	Crevice in rock	H	In tree hollow		OW	Over water
2	CL	Crevice in log	I	In litter		RD	On road
	DA	Farm/fire dam	R	In reeds		TK	ON trunk
- -	DT	In dead tree (stag)	IS	In soil		UB	Under bark
1	EW	Edge of water	IT	In live tree		UC	Upper canopy
	FC	In/on post or stump	IW	In water		UG	Undergrowth
	FL	Flying within canopy	LC	Lower canopy		UL.	Under log
2000 1900 1900	GR	On ground	LS	Low shrub		UR	Under rock
		High shrub	MC	Mid canopy		WH	Waterhole

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						3 9 9
Species	Ob. type	Habitat type	Number	Easting	Northing	Accuracy
Fox	0	GR	1			
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				x		
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#### SPOTLIGHT MAMMALS



Project #: 4200					
Observer: RUB + JC	-				
Date: 6-12-06					
Site ID: SMR2					

<u>NESCARCH</u>	GPS 4	SMRZ
· · · · · · · · · · · · · · · · · · ·		
Location and timing	Start SMR2S	Finish SMR2F
MGA AMG Zone: 56	Easting 299239	Easting 298716
	Northing 621176	Northing 6211841
	Time (24 h): 00:05	Time (24 h): 00:35
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Powerline easement	-east side of cree	et. Ridge.

nng j

Survey Details						
Number of surveyors? 2	Total effort (person hours)?					
Number of hectares covered? $\approx$ 500m transect						
(S30m; Hink)						

Weather at start of survey	
Cloud cover: 0/8	Moon: Full
Wind Direction and speed: Still	Rain: None
Temperature (°C): (old	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full.

Spotlighting Survey

Proform

Obs	Observation types							
0		R	Road kill	F	Tracks, scratching			
Ŵ	Heard call	D	Dog kill	Z	In raptor/owl pellet			
X	In scat	C	Cat kill	M	Miscellaneous			
Ţ	Trapped or netted	X V	Fox kill	E	Nest or roost			
H	Hair or feathers	S	Shot	Y	Bones or teeth			
A	Stranded/beached	I	Indirect evidence	N	Not located			
K	Dead	P	Scat	B	Burnt			

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	п	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	Î	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

<u></u>	Species	Ob. type	Habitat type	Number		Northing	Accuracy
Small	grey	arbor	ed m	ammal	x I seen	in Banksin	<u>a.                                    </u>
(Pva	/ () / 2mV - 005	sum s	ize).				
	<u>, , , , , , , , , , , , , , , , , , , </u>						
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### SPOTLIGHT MAMMALS

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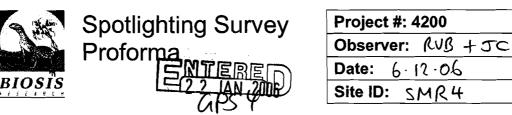
	Spotlighti	na S	Survev	Project	: #: 42	200
L Mary	Proforma			Observ	ver:	JC + RVB
	FIUIUIIIa		2 IAN 10	Date:		12.06
BIOSĨS				Site ID		
<u>AFSEARCH</u>		GPS	4	Sile iD	- 2	MR3
Location and	timing		Star	t SMR3S		Finish SMR3F
MGA						
AMG Zone:	56	Eastin	g 2 9 9	045	Eas	sting 298670
		North	ing 621	2414	No	rthing 6212763
		Time	(24 h): 🎆	01:00	Tir	ne (24 h): 61:30
Map sheet Nan	ne: Appin		heet number:			A: Wollondilly
heads	north-west	t to	Lards 2	end corner	- - 	CPM-R2 and
Survey Detail Number of sur Number of hec		00. tr		Total effort (p	erson	hours)?
Weather at st	art of survey					
	0/8				al	
	Wind Direction and speed: Juget breeze Rain: None					
		r bre	<u>eze</u>	<u>Itam.</u>	DNE	
Wind Direction Temperature ( Comments: <b>Boobook</b>	<u>°C): Cold∪</u> Ow) x l	(н)				side study area,
Wind Direction Temperature ( Comments: <b>Boobook</b> Cloud cover: Rec Aoon: Record us Vind direction an	$\frac{O\omega}{\kappa} \times 1$ cord cover in eights conditioned and speed: Record with the second speed s	(H) of sky odes: 0=1 ind direc	None, $1 = \frac{1}{4}$ N tion to the nea	$\frac{1}{1000} (H)$	$\frac{0}{3}$	/
Wind Direction Temperature ( ^C Comments: <b>Bobbook</b> Cloud cover: Rec Aoon: Record us Vind direction ar collowing codes:	$\frac{O(x)}{O(x)} \times  $ For a conditional conditions of the following conditions of the following cond speed: Record with 0 = calm, 1 = light, 1 =	(H) of sky odes: 0=1 ind direc	None, $1 = \frac{1}{4}$ N tion to the nea	$\frac{1}{1000} (H)$	$\frac{0}{3}$	/ Full. cord wind speed using the
Wind Direction Temperature ( Comments: Bobbok loud cover: Rec loon: Record us Vind direction ar blowing codes: Observation t	$\frac{O(x)}{O(x)} \times  $ For a conditional conditions of the following conditions of the following cond speed: Record with 0 = calm, 1 = light, 1 =	(H) of sky odes: 0=1 ind direc	None, $1 = \frac{1}{4}$ N tion to the nea	$\frac{1}{1000} (H)$	$\frac{0}{3}$	/ Full. cord wind speed using the
Wind Direction Temperature (° Comments: <b>Bobbob</b> loud cover: Rec loon: Record us /ind direction ar ollowing codes: <b>Observation t</b> <b>O</b> Observe	$\frac{O\omega}{\omega} \times 1$ cord cover in eights a sing the following cond speed: Record with 0 = calm, 1 = light, 1 = l	(H) of sky odes: 0=] ind direc leaves re	None, $1 = \frac{1}{4}$ Notion to the near sustle, $2 = \text{mode}$	$\frac{1}{1000} (H)$	<b>0</b> 4 34, 4 = int. Rec move, 3	/ Full. cord wind speed using the 3 = strong, tops of trees move.
Wind Direction Temperature (* Comments: <b>Bobbob</b> Cloud cover: Rec foon: Record us Vind direction an ollowing codes: <b>Observation t</b> O Observe	$\frac{O\omega}{\omega} \times 1$ cord cover in eights a sing the following cond speed: Record with 0 = calm, 1 = light, 1 = l	(H) of sky odes: 0=J ind direc leaves ru R D C	None, $1 = \frac{1}{4}$ M etion to the near ustle, $2 = moderRoad killDog killCat kill$	$\frac{1}{1000} (H)$	<u>out</u> 34, 4 = int. Rec move, 3	/ Full. cord wind speed using the 3 = strong, tops of trees move. Tracks, scratching
Wind Direction Temperature (° Comments: <b>Bobbob</b> loud cover: Rec loud cover: Rec loon: Record us vind direction an ollowing codes: <b>Observation t</b> <b>O</b> Observed W Heard ca X In scat T Trapped	$\frac{O\omega}{\chi}$ $\frac{O\omega}{\chi}$ cord cover in eights of sing the following condition of the following condition	(H) of sky odes: 0=] ind direc leaves re leaves re <b>R</b> <b>D</b> <b>C</b> <b>V</b>	None, $1 = \frac{1}{4} N$ etion to the nea ustle, $2 = moderRoad killDog killCat killFox kill$	$\frac{1}{1000} (H)$	out: 34, 4 = int. Rec move, 3 F Z M E	Full. Ford wind speed using the B = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost
Wind Direction Temperature (° Comments: Bobbob Cloud cover: Rec Joon: Record us Vind direction ar bollowing codes: Observation t O Observed W Heard ca X In scat T Trapped H Hair or f	$\frac{O\omega}{\times} \frac{1}{\times}$ cord cover in eights of sing the following condition of speed: Record with 0 = calm, 1 = light, 1 = l	(H) of sky odes: 0=] ind direc leaves n leaves n <b>R</b> <b>D</b> <b>C</b> <b>V</b> <b>S</b>	None, $1 = \frac{1}{4}$ N etion to the nea ustle, $2 = modeRoad killDog killCat killFox killShot$	Degs (H) foon, $2 = \frac{1}{2}$ , $3 =$	$0 \text{ und}$ $\frac{34}{4}, 4 = 1$ int. Recommon recommendation in the second secon	/ Full. cord wind speed using the B = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth
Wind Direction Temperature (° Comments: Bobbok Cloud cover: Rec foon: Record us Vind direction ar bollowing codes: Observation t O Observed W Heard ca X In scat T Trapped H Hair or fe A Stranded	$\frac{O\omega}{\chi}$ $\frac{O\omega}{\chi}$ cord cover in eights of sing the following condition of the following condition	(H) of sky odes: 0=J ind direct leaves ru leaves ru <b>R</b> <b>D</b> <b>C</b> <b>Y</b> <b>S</b> <b>I</b>	None, $1 = \frac{1}{4}$ M etion to the near ustle, $2 = modelRoad killDog killCat killFox killShotIndirect evide$	Degs (H) foon, $2 = \frac{1}{2}$ , $3 =$	out $34, 4 =$ int. Rec move, 3 $F$ $Z$ $M$ $E$ $Y$ $N$	Full. Full. cord wind speed using the B = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located
Wind Direction Temperature (° Comments: Bobbob Cloud cover: Rec Joon: Record us Vind direction ar bollowing codes: Observation t O Observed W Heard ca X In scat T Trapped H Hair or f	$\frac{O\omega}{\times} \frac{1}{\times}$ cord cover in eights of sing the following condition of speed: Record with 0 = calm, 1 = light, 1 = l	(H) of sky odes: 0=] ind direc leaves n leaves n <b>R</b> <b>D</b> <b>C</b> <b>V</b> <b>S</b>	None, $1 = \frac{1}{4}$ N etion to the nea ustle, $2 = modeRoad killDog killCat killFox killShot$	Degs (H) foon, $2 = \frac{1}{2}$ , $3 =$	$0 \text{ und}$ $\frac{34}{4}, 4 = 1$ int. Recommon recommendation in the second secon	/ Full. cord wind speed using the B = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth
Wind Direction Temperature (° Comments: <b>Bobook</b> Cloud cover: Rec Allowing codes: Observation to O Observed W Heard ca X In scat T Trapped H Hair or for A Stranded K Dead	$C$ : $C$ $C$ $O\omega$ $\times$ $\land$ cord cover in eights of sing the following condition of speed: Record with $0 = \text{calm}, 1 = \text{light}, 1 = l$	(H) of sky odes: 0=J ind direct leaves ru leaves ru <b>R</b> <b>D</b> <b>C</b> <b>Y</b> <b>S</b> <b>I</b>	None, $1 = \frac{1}{4}$ M etion to the near ustle, $2 = modelRoad killDog killCat killFox killShotIndirect evide$	Degs (H) foon, $2 = \frac{1}{2}$ , $3 =$	out $34, 4 =$ int. Rec move, 3 $F$ $Z$ $M$ $E$ $Y$ $N$	Full. Full. cord wind speed using the B = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located
Wind Direction Temperature (° Comments: Bobbok Cloud cover: Rec Allowing codes: Observation t O Observed W Heard ca X In scat T Trapped H Hair or f A Stranded K Dead	$\circ$ C): $\circ$ Cold $O\omega$ $\times$ $\omega$ $\times$ cord cover in eights of sing the following condition of speed: Record with 0 = calm, 1 = light, 1 $0$ = calm, 1	(H) of sky odes: 0=J ind direc leaves r R D C V S I P	None, $1 = \frac{1}{4}$ M etion to the near ustle, $2 = modelRoad killDog killCat killFox killShotIndirect evicScat$	Degs (H) foon, $2 = \frac{1}{2}$ , $3 =$	out $34, 4 =$ int. Rec move, 3 $F$ $Z$ $M$ $E$ $Y$ $N$	Full. cord wind speed using the B = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt
Wind Direction Temperature (° Comments: Bobbok Cloud cover: Rec Journa Cover: Rec John Cover: John Cover:	$O \sim$ ) $X \mid$ $O \sim$ ) $X \mid$ cord cover in eights of sing the following condition of speed: Record with 0 = calm, 1 = light, 1 $0 = calm, 1 = light, 1         ypes         d (sighted)         all         or netted         Yeached         Yeached         Yeached         Type         g above canopy   $	(H) of sky odes: 0=J ind direct leaves ru leaves ru <b>R</b> <b>D</b> <b>C</b> <b>Y</b> <b>S</b> <b>I</b>	None, $1 = \frac{1}{4}$ M etion to the near ustle, $2 = modelRoad killDog killCat killFox killShotIndirect evide$	Degs (H) foon, $2 = \frac{1}{2}$ , $3 =$	$0 \text{ urb}^{3/4}, 4 =$ int. Recomove, 2 $F$ $Z$ $M$ $E$ $Y$ $N$ $B$	Full. Full. cord wind speed using the B = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located
Wind Direction Temperature (° Comments: Bobbok Cloud cover: Rec foon: Record us Vind direction ar billowing codes: Observation t O Observed W Heard ca X In scat T Trapped H Hair or ff A Stranded K Dead	$O \sim$ ) $X \mid$ $O \sim$ ) $X \mid$ cord cover in eights of sing the following condition of speed: Record with 0 = calm, 1 = light, 100 mm (1 = 1) $O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 100 mm (1 = 1)  $	(H) of sky odes: 0=J ind direct leaves ru leaves ru <b>R</b> D C V S S I P	None, 1 = ¼ M tion to the nea ustle, 2 = mode Road kill Dog kill Cat kill Fox kill Shot Indirect evic Scat	Degs (H) foon, $2 = \frac{1}{2}$ , $3 =$	Out: $34, 4 =$ int. Reconverses in the second se	/         Full.         cord wind speed using the         3 = strong, tops of trees move.         Tracks, scratching         In raptor/owl pellet         Miscellaneous         Nest or roost         Bones or teeth         Not located         Burnt         On beach sand
Wind Direction Temperature (° Comments: Bobook Cloud cover: Rec Accord us Vind direction ar collowing codes: Observation t O Observed W Heard ca X In scat T Trapped H Hair or ff A Stranded K Dead Microhabitat AC Flying BR In/on t BU In buil	$O \sim$ ) $X \mid$ $O \sim$ ) $X \mid$ cord cover in eights of sing the following condition of speed: Record with 0 = calm, 1 = light, 100 mm (1 = 1) $O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 1 = light, 100 mm (1 = 1)         O = calm, 100 mm (1 = 1)  $	(H) of sky odes: 0=] ind direc leaves ru leaves ru <b>R</b> D C V S I I P	None, 1 = ¼ N etion to the nea ustle, 2 = mode Road kill Dog kill Cat kill Fox kill Shot Indirect evic Scat	Degs $(H)$ foon, 2 = $\frac{1}{2}$ , 3= trest cardinal po erate, branches dence	<u>out</u> 34, 4 = int. Rec move, 3 F Z M E Y N B OB OL	Full. Full. cord wind speed using the B = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock
Wind Direction Temperature (° Comments: Bobbok Cloud cover: Rec A Coon: Record us Vind direction ar collowing codes: Observation t O Observed W Heard ca X In scat T Trapped H Hair or fr A Stranded K Dead Microhabitat AC Flying BR In/on t BU In buil CK Crevic CL Crevic	$O \sim$ ) $X \mid$ $O \sim$ ) $X \mid$ cord cover in eights of sing the following condition of speed: Record with $0 = \operatorname{calm}, 1 = \operatorname{light}, 1 = lig$	(H) of sky odes: 0=] ind direc leaves ru leaves ru P S S I I P	None, 1 = ¼ N etion to the nea ustle, 2 = mode Road kill Dog kill Cat kill Fox kill Shot Indirect evic Scat In burrow In cave In grass	Degs $(H)$ foon, 2 = $\frac{1}{2}$ , 3= trest cardinal po erate, branches dence	<u>out</u> ³ 4, 4 = int. Rec move, 3 <b>F</b> <b>Z</b> <b>M</b> <b>E</b> <b>Y</b> <b>N</b> <b>B</b> <b>OB</b> <b>OL</b> <b>OR</b>	Full. cord wind speed using the B = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock
Wind Direction Temperature (° Comments: Bobbobb Cloud cover: Rec Accine and a second us Vind direction and the codes: Observation t O Observed W Heard ca X In scat T Trapped H Hair or for A Stranded K Dead Microhabitat AC Flying BR In/on to BU In buil CK Crevice DA Farm/1	$C$ : $C$ $C$ $O \sim$ ) $\times$ $\land$ cord cover in eights of sing the following condition of speed: Record with $0 = \operatorname{calm}, 1 = \operatorname{light}, 1 = \operatorname$	(H) of sky odes: 0=J ind direct leaves ru R D C V S S I I P	None, 1 = ¼ N etion to the nea ustle, 2 = mode Road kill Dog kill Cat kill Fox kill Shot Indirect evid Scat In burrow In cave In grass In tree holl	Degs $(H)$ foon, 2 = $\frac{1}{2}$ , 3= trest cardinal po erate, branches dence	Out $34, 4 =$ int. Rec move, 2 F Z M E Y N B OB OL OR OW	Full. cord wind speed using the B = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water
Wind Direction Temperature (° Comments: Bobook Cloud cover: Rec A con: Record us Vind direction ar collowing codes: Observation t O Observed W Heard ca X In scat T Trapped H Hair or ff A Stranded K Dead Microhabitat AC Flying BR In/on b BU In buil CK Crevic DA Farm/f DT In dea	$C$ : $C$ $d$ $O\omega$ $\times$ $ $ cord cover in eights of sing the following condition of speed: Record with $0 = \text{calm}, 1 = \text{light}, 1$ $ypes$ $d$ $d$ (sighted) $all$ or netted $all$ or netted $all$ $d$ (sighted) $all$ $d$ $bla$ $d$	(H) of sky odes: 0=] ind direct leaves ru leaves ru P S I I P	None, 1 = ¼ N tion to the nea ustle, 2 = mode Road kill Dog kill Cat kill Fox kill Shot Indirect evic Scat In burrow In cave In grass In tree holl In litter In reeds In soil	Degs (H) foon, 2 = ½, 3= trest cardinal po erate, branches dence	<u>out</u> ³ 4, 4 = int. Rec move, 3 <b>F</b> <b>Z</b> <b>M</b> <b>E</b> <b>Y</b> <b>N</b> <b>B</b> <b>OB</b> <b>OL</b> <b>OR</b> <b>OW</b> <b>RD</b> <b>TK</b> <b>UB</b>	/         Full.         cord wind speed using the         3 = strong, tops of trees move.         Tracks, scratching         In raptor/owl pellet         Miscellaneous         Nest or roost         Bones or teeth         Not located         Burnt         On beach sand         On log         On rock         Over water         On road
Wind Direction Temperature (° Comments: Bobbok Cloud cover: Rec A cover: Rec A cover: Rec Observation t O Observed W Heard ca X In scat T Trapped H Hair or ff A Stranded K Dead Microhabitat AC Flying BR In/on t BU In buil CK Crevic CL Crevic DA Farm/1 DT In dead	$\circ$ C): $C \circ   d \lor$ $O \leftrightarrow \rangle$ $\times  $ cord cover in eights ofsing the following conditionnd speed: Record widing $0 = calm, 1 = light, 1$ $\mathbf{ypes}$ d (sighted)allor nettedceathers $I/beached$ Typeg above canopybridgeldingce in rockce in logfire dam	(H) of sky odes: 0=] ind direct leaves ru leaves ru P S I F P IB IC IG IH IL IR	None, 1 = ¼ N tion to the nea ustle, 2 = mode Road kill Dog kill Cat kill Fox kill Shot Indirect evid Scat In burrow In cave In grass In tree holl In litter In reeds	Degs (H) foon, 2 = ½, 3= trest cardinal po erate, branches dence	OL 34, 4 = int. Rec move, 3 F Z M E Y N B OL OR OR OR OW RD TK UB UC	Full. Full. Full. cord wind speed using the B = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road ON trunk Under bark Upper canopy
Wind Direction Temperature (° Comments: Bobbok Cloud cover: Rec A Coon: Record us Vind direction ar collowing codes: Observation t O Observed W Heard ca X In scat T Trapped H Hair or fr A Stranded K Dead Microhabitat AC Flying BR In/on t BU In buil CK Crevic CL Crevic DA Farm/r DT In dea EW Edge of FC In/on t	$\circ$ C): $C \circ   d \lor$ $O \leftrightarrow \rangle \times  $ cord cover in eights ofsing the following conditioning the following conditionnd speed: Record with $0 = calm, 1 = light, 1$ <b>ypes</b> d (sighted)allor nettedceathersl/beachedTypeg above canopybridgeldingce in rockce in logfire damd tree (stag)of waterpost or stump	(H) of sky odes: 0=] ind direc leaves ru R D C V S I I P IB IC IG IH IR IR IS	None, 1 = ¼ N tion to the nea ustle, 2 = mode Road kill Dog kill Cat kill Fox kill Shot Indirect evic Scat In burrow In cave In grass In tree holl In litter In reeds In soil	Degs (H) foon, 2 = ½, 3= trest cardinal po erate, branches dence	OL OL 34, 4 = int. Rec move, 3 F Z M E Y N B OL OR OW RD TK UB UC UG	Full. Full. Full. cord wind speed using the B = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road ON trunk Under bark Upper canopy Undergrowth
Wind Direction Temperature (° Comments: Bobook Cloud cover: Rec Accord us Vind direction ar collowing codes: Observation t O Observed W Heard ca X In scat T Trapped H Hair or fi A Stranded K Dead Microhabitat AC Flying BR In/on t BU In buil CK Crevic DA Farm/1 DT In dead FC In/on p FL Flying	$C$ ): $C \circ   d \lor$ $O \leftrightarrow \rangle \times  $ cord cover in eights ofsing the following conditionnd speed: Record with $0 = calm, 1 = light, 1$ ypesd (sighted)allor nettedceathers//beachedTypeg above canopybridgeldingce in rockce in logfire damd tree (stag)of waterpost or stumpg within canopy	(H) of sky odes: 0=] ind direct leaves ru R D C V S I I P I B I C I G I I G I H I I I C I G I H I I C I C V S I I I C I C V S I I I C I C V S I I I C I C I C V S I I C I C I C I C I C I C I C I C I C	None, 1 = ¼ N tion to the nea ustle, 2 = mode Road kill Dog kill Cat kill Fox kill Shot Indirect evice Scat In burrow In cave In grass In tree holl In litter In reeds In soil In live tree In water Lower can	Degs (H) foon, 2 = ½, 3= irest cardinal po erate, branches i dence	OL 34, 4 = int. Rec move, 3 F Z M E Y N B OL OR OL OR OR OL OR OL UB UC UG UG UG	Full.         cord wind speed using the         B = strong, tops of trees move.         Tracks, scratching         In raptor/owl pellet         Miscellaneous         Nest or roost         Bones or teeth         Not located         Burnt         On beach sand         On log         On rock         Over water         On road         ON trunk         Under bark         Upper canopy         Undergrowth         Under log
Wind Direction Temperature (° Comments: Bobbok Cloud cover: Rec A Coon: Record us Vind direction ar collowing codes: Observation t O Observed W Heard ca X In scat T Trapped H Hair or fr A Stranded K Dead Microhabitat AC Flying BR In/on t BU In buil CK Crevic CL Crevic DA Farm/r DT In dea EW Edge of FC In/on t	$C$ : $C$ $C$ $O \sim$ ) $\times$ $ $ cord cover in eights ofsing the following conditionand speed: Record with $0 = calm, 1 = light, 1000$ $0 = calm, 1 = light, 10000$ $0 = calm, 1 = light, 10000$ $0 = calm, 1 = light, 100000$ $0 = calm, 1 = light, 1000000000000000000000000000000000000$	(H) of sky odes: 0=] ind direc leaves n Eaves n I E V S I I F I I I I I I I I I I I I I I I I	None, 1 = ¼ N tion to the nea ustle, 2 = mode Road kill Dog kill Cat kill Fox kill Shot Indirect evid Scat In burrow In cave In grass In tree holl In litter In reeds In soil In live tree In water	Degs (H) Aoon, 2 = ½, 3= irest cardinal po erate, branches dence	OL OL 34, 4 = int. Rec move, 3 F Z M E Y N B OL OR OW RD TK UB UC UG	Full.         cord wind speed using the         B = strong, tops of trees move.         Tracks, scratching         In raptor/owl pellet         Miscellaneous         Nest or roost         Bones or teeth         Not located         Burnt         On beach sand         On log         On rock         Over water         On road         ON trunk         Under bark         Upper canopy         Under log         Under rock

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Species	Ob. type	Habitat type	Number	Easting	Northing	Accuracy
Species Nothing.						
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#### SPOTLIGHT - MAMMALS



Location and timing	Start SMR4S	Finish SMR4F
MGA AMGZone: 56	Easting 297936	Easting 297805
	Northing 6211938	Northing 6211961
	Time (24 h): 23:10	Time (24 h): 23 : 25
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Ridge : poure-line	easement track - we	st side of creek.

Survey Details		
Number of surveyors? 2	Total effort (person hours)?	0.5
Number of hectares covered? $\approx 250 \text{ m}$		

Weather at start of survey		
Cloud cover: $-\frac{7}{8}$	Moon:	Fall
Wind Direction and speed: Moderate	Rain:	None
Temperature (°C): Mild		
Comments:		

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full.

Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
<b>Î</b>	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Indirect evidence	N	Not located
K	Dead	P	Scat	В	Burnt

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	L	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Species	Ob. type	Habitat type	Number	Easting	Northing	Accuracy
Nothing						
		· ·				
	-					
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Spotlighting Survey Proforma

Project #: 4200
Observer: KJC, GWM
Date: 29 11/06
Site ID: SC2

Location and timing	X125 Start	ŜG2F Finish
AMG Zone: 5	Easting 293592	Easting 298412
	Northing 6 2 1 4 9 9	Northing 6211660
	Time (24 h): 23-05	Time (24 h): 00.05
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Spotling	jhtning transect # 2 -	Ciulty.

Survey Details		
Number of surveyors? 2		Total effort (person hours)? 7.6
Number of hectares covered? 9	pprox SDorn	
	travuled. N	veed to check mapping
Weather at start of survey		
Cloud cover: $8/8$		Moon: N A
Wind Direction and speed: 2		Rain: Att Occassional Spinns
Temperature (°C):		
Comments: /		
	÷	
Cloud acure Pacard cover in eights a	6 1	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types					
	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
T		V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

SMGI

Species	Ob.	Habitat	Number	Easting	Northing	Accuraty
Species	type	type				
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1 1	54	6- CUM	<u>↓</u>			
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	/					
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Litovia Citropa Litoviai Phyllochroa Cvinia signifera	$H$	$\sum$	d la	un gully ans ever spothabt s		
<u> </u>	H	VIEW	$\mathcal{O}$	i num		
phy llocbrog		× 11	brenn	oins ever	۳. م.	
Crinia	H	) d	Dia ruz :	spothed s	hybay,	
signifera					$\sim$	
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SPOTLIGHT - MAMMALS	SNITE 20	06	
Spotlighti	ng Survey	Project #:	4200
	•	Observer:	
Proforma			.12-06
BIOSĪS		Site ID: S	
<u>NISCARCH</u>	aps 4		MUZ
Location and timing	Start 9	Ma2s	Finish SMG2F
MGA El			
AMGZone: 56	Easting 2984	4 4 1	Easting 298290
	Northing 6211	522 1	Northing 6211733
	Time (24 h): 21-30	)	Fime (24 h): 22:30
Map sheet Name: Appin	Map sheet number: 902		LGA: Wollondilly
Location description:			
Track A West -	- Curlly - trai	nsect he	ading north-west.
			$\mathcal{L}$
Survey Details			
Number of surveyors? 2	Tot	al effort (perso	on hours)? 2
Number of hectares covered?	2300m transect		
	Handle Alexandra (* 1911) - Meriddae	St. Conservation and the	
Weather at start of surveyCloud cover:0	. Mo	on: la de c	
Wind Direction and speed: Sti	I - Lalat mare Rai		horizon
Temperature (°C): Coo	" Ilgra dreat		
Comments:			
Crinia signifera (H).	L. phyllochroa	(H)	
Litoria citrana (H)	- / /		
Cloud cover: Record cover in eights	ofsky		
Moon: Record using the following co		$1, 2 = \frac{1}{2}, 3 = \frac{3}{4}, 4$	= Full.
Wind direction and speed: Record w			
following codes: $0 = \text{calm}, 1 = \text{light},$	leaves rustle, $2 = moderate$	e, branches move	e, 3 = strong, tops of trees move.
<b>Observation types</b>			
O Observed (sighted)	<b>R</b> Road kill	R	Tracks, scratching
W Heard call	<b>D</b> Dog kill		
X In scat	Cat kill	M	1 M M M
<b>T</b> Trapped or netted	V Fox kill		
Hair or feathers	S Shot	Y	
A Stranded/beached	I Indirect evidence		
<b>K</b> Dead	P Scat	B	Burnt
Microhabitat Type			
<b>AC</b> Flying above canopy	<b>B</b> In burrow	0	<b>B</b> On beach sand
<b>BR</b> In/on bridge	IC In cave	0	
<b>BU</b> In building	IG In grass	0	· · · · · · · · · · · · · · · · · · ·
<b>CK</b> Crevice in rock	<b>IH</b> In tree hollow	0	
Crevice in log	<b>I</b> In litter	R	
<b>DA</b> Farm/fire dam	IR In reeds		
<b>DT</b> In dead tree (stag)	IS In soil	U	
EW Edge of water	IT In live tree		
FCIn/on post or stumpFLFlying within canopy	IW In water		
FLFlying within canopyGROn ground	LC Lower canopy	U	
HS High shrub	MC Mid canopy	Ŵ	
	Incontraction and the second s	100000	www.cza

Species	Ob. type	Habitat type	Number	Easting	Northing	Accuracy
Species Nothing!						
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## SPOTLIGHT MAMMALS- Gully

🚽 🔬 Spotlighti	ng Survey Project	ct #: 4200
Proforma		ver: JC + RUB
FIOIOIIIIa		6-12-06
BIOSIS		
GPS GPS		D: Picnic Area
Location and timing	Start PICNIC	Finish
MGA		
AMG'Zone: 56	Easting 297737	
	Northing 6212743	Northing
	Time (24 h): 02:45	Time (24 h): 03:15
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description:		
Picnic Area : loop dam	and back up to co	oicnic area, down to ar.
Survey Details		
Number of surveyors?	2 Total effort (	(person hours)?
Number of hectares covered? $\approx$	400m loop?	
che	eck with Rob.	
Weather at start of survey		
Cloud cover (17)	Moon: Fe	
Cloud cover: 1/8	Rain: Ne	phe
Wind Direction and speed: SH		
Wind Direction and speed: St Temperature (°C): Cold		
Wind Direction and speed: St Temperature (°C): Cold	Gen (H) Barbart Or	1 ~1 (H) word duck x1 (H
Wind Direction and speed: St Temperature (°C): Cold	Aera (H), Booloook Or	x = (H), wood duck $x = (H)$
Wind Direction and speed: St Temperature (°C): Cold	fera (H), Booloook OL 4 (H), Limnodynastes	sl x1 (H), wood duck x1 (H) dumgilli x1 (H).
Wind Direction and speed: St Temperature (°C): Cold Comments: Several Crinia Signif Litoria peroni × 4 Cloud cover: Reford cover in eights	Gera (H), Boolooot Or 1 (H), Limnodynastes of sky	dumailli x1 (H).
Wind Direction and speed: St Temperature (°C): Cold Comments: Several Crinia Signif Litoria peroni × Cloud cover: Record cover in eights Moon: Record using the following c	codes: $0$ =None, $1 = \frac{1}{4}$ Moon, $2 = \frac{1}{2}$ , $3$	$= \frac{3}{4}, 4 = Full.$
Wind Direction and speed: St Temperature (°C): Cold Comments: Several Crinia Signif Litoria peroni × 4 Cloud cover: Record cover in eights Moon: Record using the following c Wind direction and speed: Record w	odes: $0$ =None, $1 = \frac{1}{4}$ Moon, $2 = \frac{1}{2}$ , $3$ vind direction to the nearest cardinal p	= ¾, 4 = Full. point. Record wind speed using the
Wind Direction and speed: St Temperature (°C): Cold Comments: Several Crinia Signif Litoria peroni × 4 Cloud cover: Record cover in eights Moon: Record using the following c Wind direction and speed: Record w	odes: $0$ =None, $1 = \frac{1}{4}$ Moon, $2 = \frac{1}{2}$ , $3$ vind direction to the nearest cardinal p	$= \frac{3}{4}, 4 = Full.$
Wind Direction and speed: St Temperature (°C): Cold Comments: Several Crinia Signif Litoria peroni × Cloud cover: Record cover in eights Moon: Record using the following c Wind direction and speed: Record w following codes: 0 = calm, 1 = light, Observation types	odes: 0=None, $1 = \frac{1}{4}$ Moon, $2 = \frac{1}{2}$ , 3 vind direction to the nearest cardinal p , leaves rustle, $2 =$ moderate, branches	= $\frac{3}{4}$ , 4 = Full. boint. Record wind speed using the s move, 3 = strong, tops of trees move.
Wind Direction and speed: State         Temperature (°C):         Comments:         Several       Crinia Signif         Litoria       Signif         Cloud cover: Record cover in eights       Moon: Record using the following c         Wind direction and speed: Record w       following codes: 0 = calm, 1 = light,         Observation types       Observed (sighted)	odes: 0=None, 1 = $\frac{1}{4}$ Moon, 2 = $\frac{1}{2}$ , 3 vind direction to the nearest cardinal p , leaves rustle, 2 = moderate, branches <b>R</b> Road kill	<ul> <li>3 = 34, 4 = Full.</li> <li>boint. Record wind speed using the s move, 3 = strong, tops of trees move.</li> <li>F Tracks, scratching</li> </ul>
Wind Direction and speed: State         Temperature (°C):         Comments:         Several       Crinia Signif         Litoria       Signif         Litoria       Signif         Cloud cover: Record cover in eights         Moon: Record using the following c         Wind direction and speed: Record w         following codes: 0 = calm, 1 = light,         Observation types         O         Observed (sighted)         W         Heard call	wind direction to the nearest cardinal p         vind direction to the nearest cardinal p         , leaves rustle, 2 = moderate, branches <b>R</b> Road kill <b>D</b> Dog kill	<ul> <li>²/₄, 4 = Full.</li> <li>boint. Record wind speed using the s move, 3 = strong, tops of trees move.</li> <li><b>F</b> Tracks, scratching</li> <li><b>Z</b> In raptor/owl pellet</li> </ul>
Wind Direction and speed: State         Temperature (°C):         Comments:         Several       Crinia Signif         Litoria       Signif         Cloud cover: Record cover in eights         Moon: Record using the following c         Wind direction and speed: Record w         following codes: 0 = calm, 1 = light,         Observation types         O         Observed (sighted)         W         Heard call         X         In scat	R       Road kill         D       Dog kill         C       Cat kill	<ul> <li>3 = 34, 4 = Full.</li> <li>boint. Record wind speed using the s move, 3 = strong, tops of trees move.</li> <li>F Tracks, scratching</li> <li>Z In raptor/owl pellet</li> <li>M Miscellaneous</li> </ul>
Wind Direction and speed: State         Temperature (°C):         Comments:         Several       Crinia Signif         Litoria       Signif         Cloud cover: Record cover in eights         Moon: Record using the following c         Wind direction and speed: Record w         following codes: 0 = calm, 1 = light,         Observation types         O       Observed (sighted)         W       Heard call         X       In scat         T       Trapped or netted	wind direction to the nearest cardinal p         ind direction to	<ul> <li>3 = 34, 4 = Full.</li> <li>boint. Record wind speed using the s move, 3 = strong, tops of trees move.</li> <li>F Tracks, scratching</li> <li>Z In raptor/owl pellet</li> <li>M Miscellaneous</li> <li>E Nest or roost</li> </ul>
Wind Direction and speed: State         Temperature (°C):         Comments:         Several       Crinia Signif         Litoria       Signif         Cloud cover: Record cover in eights       Moon: Record using the following c         Wind direction and speed: Record w       Feedowing codes: 0 = calm, 1 = light,         Observation types       Observed (sighted)         W       Heard call         X       In scat         T       Trapped or netted         H       Hair or feathers	R       Road kill         D       Dog kill         C       Cat kill         V       Fox kill         S       Shot	<ul> <li>3 = 34, 4 = Full.</li> <li>boint. Record wind speed using the smove, 3 = strong, tops of trees move.</li> <li>F Tracks, scratching</li> <li>Z In raptor/owl pellet</li> <li>M Miscellaneous</li> <li>E Nest or roost</li> <li>Y Bones or teeth</li> </ul>
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Wind Direction and speed: State         Temperature (°C):         Comments:         Several       Crinia Signif         Litoria       Signif         Cloud cover: Record cover in eights       Moon: Record using the following c         Wind direction and speed: Record w       Fecord w         following codes: 0 = calm, 1 = light,       Observation types         O       Observed (sighted)       W         W       Heard call       X         X       In scat       T         T       Trapped or netted       H         H       Hair or feathers       A         A       Stranded/beached       K         M       Dead       Dead	R       Road kill         D       Dog kill         C       Cat kill         V       Fox kill         S       Shot         I       Indirect evidence	<ul> <li>= ¼, 4 = Full.</li> <li>point. Record wind speed using the s move, 3 = strong, tops of trees move.</li> <li>F Tracks, scratching</li> <li>Z In raptor/owl pellet</li> <li>M Miscellaneous</li> <li>E Nest or roost</li> <li>Y Bones or teeth</li> <li>N Not located</li> <li>B Burnt</li> </ul>
Wind Direction and speed: State         Temperature (°C):         Comments:         Several       Crinia Signif         Litoria       Signif         Cloud cover: Record using the following c         Wind direction and speed: Record w         following codes: 0 = calm, 1 = light,         Observation types         O       Observed (sighted)         W       Heard call         X       In scat         T       Trapped or netted         H       Hair or feathers         A       Stranded/beached	R       Road kill         D       Dog kill         C       Cat kill         V       Fox kill         S       Shot         I       Indirect evidence	<ul> <li>3 = 34, 4 = Full.</li> <li>boint. Record wind speed using the s move, 3 = strong, tops of trees move.</li> <li>F Tracks, scratching</li> <li>Z In raptor/owl pellet</li> <li>M Miscellaneous</li> <li>E Nest or roost</li> <li>Y Bones or teeth</li> <li>N Not located</li> </ul>
Wind Direction and speed: State         Temperature (°C):         Comments:         Several       Crinia Signif         Litoria       Signif         Cloud cover: Record cover in eights       Moon: Record using the following c         Wind direction and speed: Record w       following codes: 0 = calm, 1 = light,         Observation types       O         Observed (sighted)       W         Heard call       X         X       In scat         T       Trapped or netted         H       Hair or feathers         A       Stranded/beached         K       Dead	R       Road kill         D       Dog kill         C       Cat kill         V       Fox kill         S       Shot         I       Indirect evidence         P       Scat	<ul> <li>3 = 4, 4 = Full.</li> <li>point. Record wind speed using the s move, 3 = strong, tops of trees move.</li> <li>F Tracks, scratching</li> <li>Z In raptor/owl pellet</li> <li>M Miscellaneous</li> <li>E Nest or roost</li> <li>Y Bones or teeth</li> <li>N Not located</li> <li>B Burnt</li> </ul>
Wind Direction and speed: State         Temperature (°C):         Comments:         Several       Crinia Signif         Litoria       Signif         Cloud cover: Record using the following c       Wind direction and speed: Record w         following codes: 0 = calm, 1 = light,       Observation types         O       Observed (sighted)       W         W       Heard call       X         X       In scat       T         Trapped or netted       H       Hair or feathers         A       Stranded/beached       K         Microhabitat Type       AC       Flying above canopy	R       Road kill         D       Dog kill         C       Cat kill         V       Fox kill         S       Shot         I       Indirect evidence         P       Scat	<ul> <li>3 = 4, 4 = Full.</li> <li>point. Record wind speed using the s move, 3 = strong, tops of trees move.</li> <li>F Tracks, scratching</li> <li>Z In raptor/owl pellet</li> <li>M Miscellaneous</li> <li>E Nest or roost</li> <li>Y Bones or teeth</li> <li>N Not located</li> <li>B Burnt</li> </ul>
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Wind Direction and speed: State         Temperature (°C):         Comments:         Several       Crinia Signif         Litoria       Signif         Cloud cover: Record using the following c       Wind direction and speed: Record w         following codes: 0 = calm, 1 = light,       Observation types         O       Observed (sighted)       W         W       Heard call       X         X       In scat       T         Trapped or netted       H       Hair or feathers         A       Stranded/beached       K         Microhabitat Type       AC       Flying above canopy         BR       In/on bridge       BU         BU       In building       CK         CK       Cre	ind direction to the nearest cardinal p         ind direction to the nearest cardinal p         leaves rustle, 2 = moderate, branches         R       Road kill         D       Dog kill         C       Cat kill         V       Fox kill         S       Shot         I       Indirect evidence         P       Scat         IB       In burrow         IC       In cave         IG       In grass         IH       In tree hollow         IL       In litter	<ul> <li>3 = 34, 4 = Full.</li> <li>point. Record wind speed using the smove, 3 = strong, tops of trees move.</li> <li>F Tracks, scratching</li> <li>Z In raptor/owl pellet</li> <li>M Miscellaneous</li> <li>E Nest or roost</li> <li>Y Bones or teeth</li> <li>N Not located</li> <li>B Burnt</li> </ul>
Wind Direction and speed:       Stranded/beached         Temperature (°C):       Cold         Comments:       Several       Crinia       Signif         Litoria       Signif       Litoria       Signif         Cloud cover:       Record using the following c       Wind direction and speed:       Record w         Solowing codes:       0 = calm, 1 = light,       Observation types       O         Observed (sighted)       W       Heard call       W       Heard call         X       In scat       T       Trapped or netted       H         H       Hair or feathers       A       Stranded/beached         K       Dead       Dead       Microhabitat Type         BR       In/on bridge       BU       In building	indes: 0=None, 1 = ¼ Moon, 2 = ½, 3         vind direction to the nearest cardinal p         , leaves rustle, 2 = moderate, branches         R       Road kill         D       Dog kill         C       Cat kill         V       Fox kill         S       Shot         I       Indirect evidence         P       Scat         IB       In burrow         IC       In cave         IG       In grass         IH       In tree hollow         IL       In litter         IR       In reeds	<ul> <li>3 4 = Full.</li> <li>point. Record wind speed using the smove, 3 = strong, tops of trees move.</li> <li>F Tracks, scratching</li> <li>Z In raptor/owl pellet</li> <li>M Miscellaneous</li> <li>E Nest or roost</li> <li>Y Bones or teeth</li> <li>N Not located</li> <li>B Burnt</li> </ul>
Wind Direction and speed:       Stranded (°C):         Comments:       Several       Crinia       Signif         Litoria       Signif       Litoria       Signif         Cloud cover:       Record using the following c       Wind direction and speed:       Record w         Solowing codes:       0 = calm, 1 = light,       Observation types       O         O       Observed (sighted)       W       Heard call       X         X       In scat       T       Trapped or netted         H       Hair or feathers       A       Stranded/beached         K       Dead       Nicrohabitat Type       AC         AC       Flying above canopy       BR       In/on bridge         BU       In building       CK       Crevic	ind direction to the nearest cardinal p         ind direction to the nearest cardinal p         leaves rustle, 2 = moderate, branches         R       Road kill         D       Dog kill         C       Cat kill         V       Fox kill         S       Shot         I       Indirect evidence         P       Scat         IB       In burrow         IC       In cave         IG       In grass         IH       In tree hollow         IL       In litter         IR       In reeds         IS       In soil	<ul> <li>3 4 = Full.</li> <li>boint. Record wind speed using the smove, 3 = strong, tops of trees move.</li> <li>F Tracks, scratching</li> <li>Z In raptor/owl pellet</li> <li>M Miscellaneous</li> <li>E Nest or roost</li> <li>Y Bones or teeth</li> <li>N Not located</li> <li>B Burnt</li> </ul>
Wind Direction and speed:       Stremperature (°C):       Cold         Comments:       Several       Crinia       Signif         Libria       Signif       Libria       Signif         Libria       Signif       Signif       Signif         Cloud cover:       Record using the following c       Signif         Wind direction and speed:       Record w       Second w         Solution       codes:       0 = calm, 1 = light,         Observation types       O       Observed (sighted)       W         W       Heard call       X       In scat       T         T       Trapped or netted       H       H       Hair or feathers         A       Stranded/beached       K       Dead       Stranded/beached         Microhabitat       Type       AC       Flying above canopy <td< td=""><td>indes: 0=None, 1 = ½ Moon, 2 = ½, 3         vind direction to the nearest cardinal p         , leaves rustle, 2 = moderate, branches         R       Road kill         D       Dog kill         C       Cat kill         V       Fox kill         S       Shot         I       Indirect evidence         P       Scat         IB       In burrow         IC       In cave         IG       In grass         IH       In tree hollow         IL       In litter         IR       In reeds         IS       In soil         IT       In live tree</td><td><ul> <li>3 = 34, 4 = Full.</li> <li>boint. Record wind speed using the smove, 3 = strong, tops of trees move.</li> <li>F. Tracks, scratching</li> <li>Z. In raptor/owl pellet</li> <li>M Miscellaneous</li> <li>E Nest or roost</li> <li>Y Bones or teeth</li> <li>N Not located</li> <li>B Burnt</li> </ul> OB On beach sand <ul> <li>OL On log</li> <li>OR On rock</li> <li>OW Over water</li> <li>RD On road</li> <li>TK ON trunk</li> <li>UB Under bark</li> <li>UC Upper canopy</li> </ul></td></td<>	indes: 0=None, 1 = ½ Moon, 2 = ½, 3         vind direction to the nearest cardinal p         , leaves rustle, 2 = moderate, branches         R       Road kill         D       Dog kill         C       Cat kill         V       Fox kill         S       Shot         I       Indirect evidence         P       Scat         IB       In burrow         IC       In cave         IG       In grass         IH       In tree hollow         IL       In litter         IR       In reeds         IS       In soil         IT       In live tree	<ul> <li>3 = 34, 4 = Full.</li> <li>boint. Record wind speed using the smove, 3 = strong, tops of trees move.</li> <li>F. Tracks, scratching</li> <li>Z. In raptor/owl pellet</li> <li>M Miscellaneous</li> <li>E Nest or roost</li> <li>Y Bones or teeth</li> <li>N Not located</li> <li>B Burnt</li> </ul> OB On beach sand <ul> <li>OL On log</li> <li>OR On rock</li> <li>OW Over water</li> <li>RD On road</li> <li>TK ON trunk</li> <li>UB Under bark</li> <li>UC Upper canopy</li> </ul>
Wind Direction and speed: SHTemperature (°C): ColdComments:Several Crinia SignifLitoria peroni × 4Cloud cover: Record cover in eightsMoon: Record using the following cWind direction and speed: Record wfollowing cover: Record using the following cWind direction and speed: Record wfollowing cover: Record using the following cWind direction and speed: Record wfollowing cover: 0 = calm, 1 = light,Observation typesO Observed (sighted)W Heard callX In scatT Trapped or nettedH Hair or feathersA Stranded/beachedK DeadMicrohabitat TypeAC Flying above canopyBR In/on bridgeBU In buildingCK Crevice in rockCL Crevice in logDA Farm/fire damDT In dead tree (stag)EW/ Edge of waterFC In/on post or stump	ind direction to the nearest cardinal p         in the point of the point of the nearest cardinal p         in the point	<ul> <li>3 = 34, 4 = Full.</li> <li>point. Record wind speed using the smove, 3 = strong, tops of trees move.</li> <li>F Tracks, scratching</li> <li>Z In raptor/owl pellet</li> <li>M Miscellaneous</li> <li>E Nest or roost</li> <li>Y Bones or teeth</li> <li>N Not located</li> <li>B Burnt</li> </ul>
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Wind Direction and speed: SHTemperature (°C): ColdComments:Several Crinia SignifLitoria peroni × 4Cloud cover: Record cover in eightsMoon: Record using the following cWind direction and speed: Record wfollowing cover: Record using the following cWind direction and speed: Record wfollowing cover: Record using the following cWind direction and speed: Record wfollowing cover: 0 = calm, 1 = light,Observation typesO Observed (sighted)W Heard callX In scatT Trapped or nettedH Hair or feathersA Stranded/beachedK DeadMicrohabitat TypeAC Flying above canopyBR In/on bridgeBU In buildingCK Crevice in rockCL Crevice in logDA Farm/fire damDT In dead tree (stag)EW/ Edge of waterFC In/on post or stump	ind direction to the nearest cardinal p         in the point of the point of the nearest cardinal p         in the point	<ul> <li>3 = 34, 4 = Full.</li> <li>point. Record wind speed using the smove, 3 = strong, tops of trees move.</li> <li>F Tracks, scratching</li> <li>Z In raptor/owl pellet</li> <li>M Miscellaneous</li> <li>E Nest or roost</li> <li>Y Bones or teeth</li> <li>N Not located</li> <li>B Burnt</li> </ul>

Species	Ob. type	Habitat type	Number	Easting	Northing	Accuracy
No mammals						
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BIOSIS		$\neg < \mathbf{C}$	JAN ZUNY	Site ID:	C	PMRI	(call play	
	(A I	PS 5	· · · · · · · · · · · · · · · · · · ·					
Location and timi	ing	ng gar. F		r in distriction <u>- Constant</u> ed (dis -				Huburak er for Stranger
MGA Zone:	56	Eastin	g 2980	26	Noi	thing 6	2128	317
Start time (24 h):	22:50	Finish	time (24 h): 2	23:55				
Map sheet Name:	Appin	Map s	heet number: 9	0029-18	LG	A: Woll	ondilly	
Off the CPO3 fro Survey Details Type of amplificat Duration of listenin	tion? Loud	houl		Duration of ca				5
Duration of fisterin	ing (initiates)?							
Weather at start	of survey				an an a daga			
Cloud cover:	8/8		M	100n: Hal	- 7			
Wind Direction an	id speed: Lig	bt b	neeze R	tain: Nor	re .			
Temperature (°C):	Cool J	)						
Commenter								
Comments: Litoria p	егоні (Н	() in	distance	2.				
Litona p Cloud cover: Record Moon: Record using t Wind direction and sp following codes: 0 = 0	cover in eights the following co peed: Record w calm, $1 = $ light,	of sky odes: 0=] ind direc	tion to the neare	oon, $2 = \frac{1}{2}$ , $3 = \frac{1}{2}$ est cardinal poi	nt. Rec	ord wind		
Lifting $f$ Cloud cover: Record Moon: Record using to Wind direction and sp following codes: $0 = 0$ Observation type	cover in eights the following co peed: Record w calm, $l = light$ , s	of sky odes: 0=] ind direc leaves n	None, $1 = \frac{1}{4}$ Mo tion to the neare ustle, $2 = \text{moder}$	oon, $2 = \frac{1}{2}$ , $3 = \frac{1}{2}$ est cardinal poi	nt. Rec nove, 3	ord wind = strong,	tops of trees	
Lifting for the second secon	cover in eights the following co peed: Record w calm, $l = light$ , s	of sky odes: 0=] ind direc leaves n	None, $1 = \frac{1}{4}$ Mo tion to the neare ustle, $2 = \text{moders}$ Road kill	oon, $2 = \frac{1}{2}$ , $3 = \frac{1}{2}$ est cardinal poi	nt. Rec nove, 3	ord wind = strong, Tracks,	tops of trees scratching	
Lifona Cloud cover: Record Moon: Record using to Wind direction and sp ollowing codes: 0 = 0 Observation type O Observed (si W Heard call	cover in eights the following co peed: Record w calm, $l = light$ , s	of sky odes: 0=] ind direc leaves n <b>R</b> <b>D</b>	None, 1 = ¼ Mo tion to the neare istle, 2 = modera Road kill Dog kill	oon, $2 = \frac{1}{2}$ , $3 = \frac{1}{2}$ est cardinal poi	nt. Rec nove, 3 F Z	ord wind = strong, Tracks, In raptor	tops of trees scratching r/owl pellet	
$\begin{array}{c} Lifting \\ Lifting \\ Cloud cover: Record \\ Moon: Record using to \\ Record using to \\ Moon: Record using to \\ Recor$	cover in eights the following co peed: Record w calm, 1 = light, s ighted)	of sky odes: 0=] ind direc leaves n <b>R</b> <b>D</b> <b>C</b>	None, 1 = ¼ Mo tion to the neare ustle, 2 = modera Road kill Dog kill Cat kill	oon, $2 = \frac{1}{2}$ , $3 = \frac{1}{2}$ est cardinal poi	nt. Rec nove, 3 F Z M	ord wind = strong, Tracks, In rapton Miscella	tops of trees scratching r/owl pellet meous	
Lifting for the second secon	cover in eights the following co peed: Record w calm, 1 = light, s ighted) netted	of sky odes: 0=] ind direc leaves n R D C V	None, 1 = ¼ Mo tion to the neare istle, 2 = modera Road kill Dog kill Cat kill Fox kill	oon, $2 = \frac{1}{2}$ , $3 = \frac{1}{2}$ est cardinal poi	nt. Rec nove, 3 F Z M E	ord wind = strong, Tracks, In rapton Miscella Nest or	tops of trees scratching r/owl pellet meous roost	
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Lifting for the second secon	cover in eights the following co peed: Record w calm, 1 = light, ighted) netted ners	of sky odes: 0=] ind direc leaves n <b>R</b> <b>D</b> <b>C</b> <b>V</b> <b>S</b>	None, 1 = ¼ Mo tion to the neare ustle, 2 = modera Road kill Dog kill Cat kill Fox kill Shot	oon, 2 = ½, 3= est cardinal poi ate, branches n	nt. Rec nove, 3 F Z M E Y	ord wind = strong, Tracks, In raptor Miscella Nest or Bones o	tops of trees scratching r/owl pellet meous roost r teeth	
Liftna f Cloud cover: Record Moon: Record using to Wind direction and sp ollowing codes: $0 = 0$ Observation type O Observed (si W Heard call X In scat T Trapped or n H Hair or feath A Stranded/bea K Dead	cover in eights the following co peed: Record w calm, 1 = light, ighted) netted ners ached	of sky odes: 0=] ind direc leaves n <b>R</b> <b>D</b> <b>C</b> <b>V</b> <b>S</b> <b>I</b>	None, 1 = ¼ Mo tion to the neare ustle, 2 = modera Road kill Dog kill Cat kill Fox kill Shot Indirect evide	oon, 2 = ½, 3= est cardinal poi ate, branches n	nt. Rec nove, 3 F Z M E Y N	ord wind = strong, Tracks, In raptor Miscella Nest or Bones o Not loca	tops of trees scratching r/owl pellet meous roost r teeth	
$\frac{f_{DD}}{f_{D}}$ Cloud cover: Record Moon: Record using to Wind direction and sp ollowing codes: 0 = 0 <b>Observation type</b> <b>O</b> Observed (si <b>W</b> Heard call <b>X</b> In scat <b>T</b> Trapped or m <b>H</b> Hair or feath <b>A</b> Stranded/bea <b>K</b> Dead <b>Microhabitat Type</b>	cover in eights the following co peed: Record w calm, 1 = light, ighted) netted ners ached	of sky odes: 0=] ind direc leaves n <b>R</b> <b>D</b> <b>C</b> <b>V</b> <b>S</b> <b>I</b> <b>P</b>	None, 1 = ¼ Mo tion to the neare ustle, 2 = modera Road kill Dog kill Cat kill Fox kill Shot Indirect evide	oon, 2 = ½, 3= est cardinal poi ate, branches n	nt. Rec nove, 3 F Z M E Y N	ord wind = strong, Tracks, i In raptor Miscella Nest or i Bones o Not loca Burnt	tops of trees scratching r/owl pellet meous roost r teeth	
$\frac{f_{DD}}{f_{D}}$ Cloud cover: Record Moon: Record using to Wind direction and sp ollowing codes: 0 = 0 Observation type O Observed (si W Heard call X In scat T Trapped or m H Hair or feath A Stranded/bea K Dead Microhabitat Typ	cover in eights the following co peed: Record w calm, 1 = light, s ighted) netted ners ached De De ove canopy	of sky odes: 0=] ind direc leaves n <b>R</b> <b>D</b> <b>C</b> <b>V</b> <b>S</b> <b>I</b>	None, 1 = ¼ Mo tion to the neare ustle, 2 = modera Road kill Dog kill Cat kill Fox kill Shot Indirect evide Scat	oon, 2 = ½, 3= est cardinal poi ate, branches n	nt. Rec nove, 3 F Z M E Y N B	ord wind = strong, Tracks, i In raptor Miscella Nest or i Bones o Not loca Burnt	tops of trees scratching r/owl pellet neous roost r teeth ited ch sand	
$\begin{array}{c} Lifting \\ Cloud cover: Record \\ Moon: Record using the following codes: 0 = 0 \\ \hline \\ \begin{tabular}{lllllllllllllllllllllllllllllllllll$	cover in eights the following co peed: Record w calm, 1 = light, s ighted) netted ners ached pe pve canopy ge	of sky odes: 0=3 ind direc leaves n R D C V S S I P	None, 1 = ¼ Mo tion to the neare ustle, 2 = modera Road kill Dog kill Cat kill Fox kill Shot Indirect evide Scat	oon, 2 = ½, 3= est cardinal poi ate, branches n	nt. Rec nove, 3 F Z M E Y N B OB	ord wind = strong, Tracks, In raptor Miscella Nest or Bones o Not loca Burnt	tops of trees scratching r/owl pellet meous roost r teeth tted ch sand	
LiftnaCloud cover: RecordMoon: Record using toMoon: Record using toVind direction and spollowing codes: $0 = 0$ Observation typeOObserved (siWHeard callXIn scatTTTrapped or nHHair or feathAStranded/beaKDeadMicrohabitat TypeACFlying abcBRIn/on brid	cover in eights the following co peed: Record w calm, 1 = light, ighted) netted ners ached <b>De</b> pove canopy ge g	of sky odes: 0=3 ind direc leaves n R D C V S I P	None, 1 = ¼ Mo tion to the neare istle, 2 = modera Road kill Dog kill Cat kill Fox kill Shot Indirect evide Scat In burrow In cave	oon, 2 = 1/2, 3= est cardinal poi ate, branches n	nt. Rec nove, 3 F Z M E Y N B OB OL	ord wind = strong, Tracks, In raptor Miscella Nest or i Bones o Not loca Burnt On bea On log	tops of trees scratching r/owl pellet aneous roost r teeth ated ch sand k	
$\begin{array}{c} Lifting \\ Cloud cover: Record \\ Moon: Record using to the second using the second using the second using the second using the second se$	cover in eights the following co peed: Record w calm, 1 = light, s ighted) netted ners ached <b>De</b> pove canopy ge g n rock	of sky odes: 0=] ind direc leaves n R D C V S I I P	None, 1 = ¼ Mo tion to the neare istle, 2 = modera Road kill Dog kill Cat kill Fox kill Shot Indirect evide Scat In burrow In cave In grass	oon, 2 = 1/2, 3= est cardinal poi ate, branches n	nt. Rec nove, 3 F Z M E Y N B OB OL OR	ord wind = strong, Tracks, In raptor Miscella Nest or Bones o Not loca Burnt On bea On log On roc	tops of trees scratching r/ow1 pellet aneous roost r teeth ated ch sand k vater	
$\begin{array}{c c} Lifting \\ Cloud cover: Record \\ Moon: Record using to the format of the forma$	cover in eights the following co peed: Record w calm, 1 = light, s ighted) netted ners ached <b>De</b> pove canopy ge g n rock n log	of sky odes: 0=3 ind direc leaves n R D C V S S I I P	None, 1 = ¼ Mo tion to the neare ustle, 2 = modera Road kill Dog kill Cat kill Fox kill Shot Indirect evide Scat In burrow In cave In grass In tree hollow	oon, 2 = 1/2, 3= est cardinal poi ate, branches n	nt. Rec nove, 3 F Z M E Y N B OB OL OR OW	ord wind = strong, Tracks, In raptor Miscella Nest or Bones o Not loca Burnt On bea On log On rock Over w	tops of trees scratching r/owl pellet aneous roost r teeth tted ch sand k vater d	
Lifuna Cloud cover: Record Moon: Record using to Wind direction and sp ollowing codes: 0 = 0 Observation type O Observed (si W Heard call X In scat T Trapped or n H Hair or feath A Stranded/bea K Dead Microhabitat Typ AC Flying abo BR In/on brid BU In building CK Crevice in CL Crevice in	cover in eights the following co peed: Record w calm, 1 = light, s ighted) netted ners ached ove canopy ge g n rock n log dam	of sky odes: 0=-] ind direc leaves n R D C V S S I P P E E I C I C I C I C I C I C I C I C I C	None, 1 = ¼ Mo tion to the neare istle, 2 = modera Road kill Dog kill Cat kill Fox kill Shot Indirect evide Scat In burrow In cave In grass In tree hollow In litter	oon, 2 = 1/2, 3= est cardinal poi ate, branches n	nt. Rec nove, 3 F Z M E Y N B V B O B O D O B O C D O R O W RD	ord wind = strong, Tracks, In raptor Miscella Nest or r Bones o Not loca Burnt On bea On log On rock Over w On roa	tops of trees scratching r/owl pellet meous roost r teeth tted ch sand k vater d nk	
$\begin{array}{c c} Lift Dria \\ Cloud cover: Record with a cover: Record with a cover is record with a$	cover in eights the following co peed: Record w calm, 1 = light, s ighted) netted ners ached <b>De</b> g g n rock n log dam ee (stag) vater	of sky odes: 0=- ind direc leaves n R D C V S S I I P	None, 1 = ¼ Mo tion to the neare istle, 2 = modera Road kill Dog kill Cat kill Fox kill Shot Indirect evide Scat In burrow In cave In grass In tree hollow In litter In reeds	oon, 2 = 1/2, 3= est cardinal poi ate, branches n	nt. Rec nove, 3 F Z M E Y N B V B OB OL OR OR OW RD TK UB UC	ord wind = strong, Tracks, In raptor Miscella Nest or r Bones o Not loca Burnt On bea On log On rock Over w On roa ON tru Under 1 Upper	tops of trees scratching r/owl pellet aneous roost r teeth tted ch sand k vater d nk bark canopy	
$\begin{array}{c c} Lifting \\ Cloud cover: Record \\ Moon: Record using to the second using to the second using to the second using to the second s$	cover in eights the following co peed: Record w calm, 1 = light, s ighted) netted ners ached <b>De</b> g g n rock n log dam ee (stag) vater	of sky odes: 0=] ind direc leaves n R D C V S I I P	None, 1 = ¼ Mo tion to the neare ustle, 2 = modera Road kill Dog kill Cat kill Fox kill Shot Indirect evide Scat In burrow In cave In grass In tree hollow In litter In reeds In soil	oon, 2 = 1/2, 3= est cardinal poi ate, branches n	nt. Rec nove, 3 F Z M E Y N B V N B OB OL OR OW RD TK UB	ord wind = strong, Tracks, i In raptor Miscella Nest or Bones o Not loca Burnt On bea On log On roci Over w On roa ON tru Under	tops of trees scratching r/owl pellet aneous roost r teeth tted ch sand k vater d nk bark canopy	
Liftona f Cloud cover: Record Moon: Record using t Wind direction and sp ollowing codes: 0 = 0 Observation type O Observed (si W Heard call X In scat T Trapped or m H Hair or feath A Stranded/bea K Dead Microhabitat Typ AC Flying abo BR In/on brid BU In building CK Crevice in DA Farm/fire DT In dead tree EW Edge of w FC In/on post FL Flying wit	cover in eights the following co peed: Record w calm, 1 = light, s ighted) netted ners ached ove canopy ge g n rock n log dam ee (stag) vater c or stump thin canopy	of sky odes: 0=J ind direc leaves n R D C V S I I B I C I C I C I C I C I C I C I C I	None, 1 = ¼ Mo tion to the neare istle, 2 = modera Road kill Dog kill Cat kill Fox kill Shot Indirect evide Scat In burrow In cave In grass In tree holloy In litter In reeds In soil In live tree In water Lower canop	oon, 2 = 1/2, 3= est cardinal poi ate, branches n ence	nt. Rec nove, 3 F Z M E Y N B V N B OB OL OR OW RD TK UB UC UG UL	ord wind = strong, Tracks, In rapton Miscella Nest or D Bones o Not loca Burnt On bea On log On rock Over w On rock Over w On rock On tru Under J Underg Under	tops of trees scratching r/owl pellet meous roost r teeth tted ch sand k rater d nk bark canopy growth log	
Liftona f Cloud cover: Record Moon: Record using to Wind direction and sp following codes: 0 = 0 Observation type O Observed (si W Heard call X In scat T Trapped or n H Hair or feath A Stranded/bea K Dead Microhabitat Typ AC Flying abo BR In/on brid BU In building CK Crevice in CL Crevice in DA Farm/fire DT In dead tro EW Edge of w FC In/on post	cover in eights the following co peed: Record w calm, 1 = light, s ighted) netted ners ached <b>De</b> g n rock n log dam ee (stag) vater cor stump thin canopy d	of sky odes: 0=- ind direc leaves n R D C V S S I I P I C I G I I G I I I I I I I I I I I I I	None, 1 = ¼ Mo tion to the neare istle, 2 = modera Road kill Dog kill Cat kill Fox kill Shot Indirect evide Scat In burrow In cave In grass In tree hollow In litter In reeds In soil In live tree In water	oon, 2 = 1/2, 3= est cardinal poi ate, branches n ence	nt. Rec nove, 3 F Z M E Y N B V N B OL OR OL OR OW RD TK UB UC UG	ord wind = strong, Tracks, In rapton Miscella Nest or D Bones o Not loca Burnt On bea On log On rock Over w On rock Over w On rock On tru Under J Underg Under	tops of trees scratching r/owl pellet aneous roost r teeth ated ch sand k vater d nk bark canopy growth log rock	

Comment	No. Ind.	Species name	Time (24 h)	Call species name	Time (24 h)
		·	43×1051	10 koalasis and	nar
		MALAA	//////		1//hb/ /
		/MG/Jespanse	28:45	Boulder atilier	27/. <b>665</b> //
				see below.	Note -
		Ne cocosto	01:05	Squirrel alider	23:00
	h 1	1 I I			
possibly truck	but	Possible response,	23:15	koala	23:10
<u>_</u>		No response	23:23	Koala	23:20
		No response	23: 29	Koala	23:26
	ألمنها	Cilider sp. x l	00.100	5. J. 1.+	01.20
ver Sugar or squ		Calider sp. x 1	23:40	Spotlight	23:32
was largish				1	
a glider, lea					
towards Squi					
ľ					
×					

Note: no potential habitat for Yellow-bellied alider present, so no call playback performed for this species.

## CALL PLAYBACK - MAMMALS

Call Playl Proforma		Survey	Project # Observe Date:	er: (	$rv_{B} + c$ 2.06
	MA C	<u> JAN / Muto</u> /	Site ID:	CP	M-RI (replicate 2)
Location and timing	~~ <i>~ ~</i>				
Location and timing	te e dete e de	<u>a, nomente por com</u> porte com	<u>nik di 1800 na dan</u>		<u>n haangooloon y</u> a bandaan ka
MGA Zone: 56	Easting	,2980	26	Nor	thing 6212817
Start time (24 h): 01:45	Finish	time (24 h): <b>()</b>	2:30		
Map sheet Name: Appin	Map sł	neet number: 902	29-1S	LG	A: Wollondilly
Location description:	I				
Ridge: near c	P03	from wint	er sur	vey	·۲۶.
Survey Details Type of amplification? Out Duration of listening (minutes)?	hailer	- Dui 5 -	ation of call	l play	back (minutes)? 5
Temperature (°C):       Cold         Comments:       Cloud cover: Record cover in eights         Moon: Record using the following c	of sky odes: 0=N	Jone, 1 = ¼ Moon	n: Nor $1 \le (H)$ $1 \le (H)$ $1 \le 1/2, 3 = 3/4$	) <u>ĉ</u>	
Wind direction and speed: Record w following codes: $0 = \text{calm}, 1 = \text{light},$			-		
Observation types					
O Observed (sighted)		Road kill		F	Tracks, scratching
W Heard call		Dog kill			In raptor/owl pellet
X In scat	<u> </u>	Cat kill			Miscellaneous
T Trapped or netted	1000 - 100 C - 1 - 1	Fox kill			Nest or roost
Hair or feathers	S	Shot		-	Bones or teeth
A Stranded/beached		Indirect evidence	-7147	1.41110/07/2 .014 114	Not located
K Dead	P	Scat		B	Burnt
	ilijič <mark>je trade</mark> 17				en de la compañía de
Microhabitat Type	m		<u>n sa kana kana kana kana kana kana kana </u>	<u>AP</u>	On beach sand
ACFlying above canopyBRIn/on bridge	IB IC	In burrow		OB OL	On log
<b>BU</b> In building	IC	In cave		OL OR	On rock
<b>CK</b> Crevice in rock	IG IH	In grass In tree hollow		OK OW	Over water
CL Crevice in log	E III	In litter		RD	On road
<b>DA</b> Farm/fire dam		In reeds		<u>RD</u> TK	ON trunk
<b>DT</b> In dead tree (stag)	IS	In soil		UB	Under bark
<b>EW</b> Edge of water		In live tree	6.63 674 - 2	UD UC	Upper canopy
			1993 1993		
	COCALCORD				
FC In/on post or stump	IW	In water		UG	Undergrowth
FCIn/on post or stumpFLFlying within canopy	IW LC	In water Lower canopy		UG UL	Undergrowth Under log
FC In/on post or stump	IW	In water		UG	Undergrowth

	Playback Details		Spec	ies Response	
Time (24 h)	Call species name	Time _(24 h)	Species name	No. Ind.	Comment
01:50	Squirrel alider	01:55	No response		
	Koala	02.05	No response No response No response		
	Bush Stone-curler		No repuise		
01:10	Bush Stone-curles	5 07:15	No response		
			· · · ·		
					,

CALL	PLAYBA	ik Ma	MMALS			)			
	6	196.40	Call Play	nack	SURVOV	Project	#: 42	00	
		1 alt	-	Jack	Survey				_
			Proforma					JC + RVB	
	R	iosis				Date: 2			
	1 k	<u>3 2 1 8 2 4</u>		aps	< ·	Site ID:	<u>CP</u>	M - R2 (rall playback	= <u>mammals</u>
	·····			MP5			- <u>,</u>	Kidge	
	Loc	ation and	timing				giri a unit T		<u>ia</u> 1
	MG	A Zone:	56	Eastin	g 29905	53	Nor	thing 6212407	]
	Star	t time (24	h): 23: <b>59</b>	Finish	time (24 h): 0	0:30_			
			me: Appin	Map s	heet number: 902	29-18	LG.	A: Wollondilly	
	Loc	ation desc Off 7 Near	ription: he boundary CP02 f	( roa tom	ad of stu winter s	dy are	a, i	north side, Ridge	
	Cur	vey Detai			State to battle to bat		Stran		
		e of ampli		d h	xiler Dur	ation of call	l nlavl	back (minutes)? 5	- 4. 4. 7 1. 4
			stening (minutes)?	<u>u na</u> 5			i piayi	Jack (minates): 3	
	We	ather at s	tart of survey						
		ud cover:	- 8/8		Mo		alf_		
				aht	breeze Rain	<u>n: N</u>	lone		
		nperature ( nments:	<u>(°C): (001 </u>	<u> </u>				·	
	Moor Wind	1: Record u direction a		odes: 0=1 ind direc	tion to the nearest	cardinal poin	t. Reco	Full. ord wind speed using the = strong, tops of trees move.	
			e de la companya de Na companya de la comp	uper a la l	H S B BALAKA	<u></u>		ant dian -	
		Servation	types ed (sighted)	R	Road kill	1999) - <u>1999</u> 	F	Tracks, scratching	
	W	Heard c		D	Dog kill			In raptor/owl pellet	
	X	In scat	<u> </u>	C	Cat kill			Miscellaneous	
	T T		l or netted	V	Fox kill			Nest or roost	
	H	Hair or		S	Shot		and the second second	Bones or teeth	
	A		d/beached	Ĩ	Indirect evidence	e R		Not located	
	K	Dead		P	Scat			Burnt	
	<u></u>								
	Mi	rohabitat	Туре						
	A		g above canopy	B	In burrow		OB	On beach sand	
	BI		bridge	IC	In cave		OL	On log	
	B			IG	In grass		OR	On rock	
	C		ce in rock	IH	In tree hollow		<u>ow</u>	Over water	
	C		ce in log	<u>II</u> .	In litter		<u>RD</u>	On road	
·	<u>D</u> /		fire dam	IR	In reeds		TK	ON trunk	
	D		ad tree (stag)	IS	In soil		UB	Under bark	
	EN		of water	IT	In live tree		UC	Upper canopy	
	FC		post or stump	IW	In water		UG	Undergrowth	
	FI		g within canopy	LC	Lower canopy		UL	Under log	
	G			LS	Low shrub		UR	Under rock	
		i High	shrub	MC	Mid canopy		WH_	Waterhole	

	Playback Details			Spec	les Response	
Time (24 h)	Call species	name	Time (24 h)	Species name	No. Ind.	Comment
00:04	Samirrel	Calider	00:09	No response		
00:14	Squirrel Koala		00:19	No response No response		
00-11	ROMM		00.11			
	C 11.11			<b>k</b> )		
)0:24	Spotlight			None		
				<u></u>		
			_			

AYBACK	MA	AMMACS		2 AN 7111P			
	and the second	Call Play	back	Survey	Project #:	42	00
	Server C	•		Carvey			TC + RUB
		Proforma	1				.06
BIC	osis						
<u>* * 5 i</u>	<u>EARCH</u>		Gf	s 4	Sile ID:		² M - R3
Locat	ion and	timing					
MGA	Zone:	56	Eastin	g 2987'	49	Nor	thing 6210754
Start t	time (24 1	h): 23:10	Finish	time (24 h): 2	3:55		
Map s	sheet Nar	me: Appin	Map s	heet number: 902	29-1S	LG.	A: Wollondilly
		Same					e woodland. at CP04.
Type		fication?				-	vack (minutes)? <u>5</u> , callplayback, 10m spotl
Weat	00Ver	2/8					
Cloud Wind Temp Comn	Direction erature ( ments:	triped Free	<u>5</u> tail - 1	Mo Rai	<u> </u>	ask	ed Lapwing x 1 (H)
Cloud Wind Temp Comn Wh Cloud c Moon: 1 Wind d followin	Direction erature (" nents: 	°C): cold riped Free cord cover in eights sing the following of nd speed: Record w 0 = calm, 1 = light	s of sky codes: 0=1 wind direc	None, $1 = \frac{14}{4}$ Moon tion to the nearest	n: None H). N $h, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point.	ask 4 = I Reco	ed Lopwing x 1 (H) Full. Full. Full wind speed using the strong, tops of trees move.
Cloud Wind Temp Comn Wh Cloud c Moon: 1 Wind d followin	Direction erature ( nents: 	°C): cold riped Free cord cover in eights sing the following of nd speed: Record w 0 = calm, 1 = light	s of sky codes: 0=1 wind direc	None, $1 = \frac{14}{4}$ Moon tion to the nearest	n: None H). N $h, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point.	<b>ask</b> 4 = I Reco 7e, 3	ord wind speed using the = strong, tops of trees move.
Cloud Wind Temp Comm Wh Cloud c Moon: J Wind d followin	Direction erature ( nents: 	•C): cold riped Free cord cover in eight: sing the following on nd speed: Record with 0 = calm, 1 = light types d (sighted)	s of sky codes: 0=1 wind direc t, leaves n	None, $1 = \frac{1}{4}$ Moon tion to the nearest ustle, $2 = \text{moderate}$	n: None H). N $A, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point. b, branches move	<b>ask</b> 4 = I Reco 7e, 3	ord wind speed using the
Cloud Wind Temp Comn Wh Cloud c Moon: I Wind d followin Obser O W	Direction erature ( nents: 	°C): cold riped Free cord cover in eights sing the following on nd speed: Record w 0 = calm, 1 = light types d (sighted) all	s of sky codes: 0=1 vind direc t, leaves n R D C	None, $1 = \frac{1}{4}$ Moontion to the nearestustle, $2 =$ moderateRoad killDog killCat kill	n: None H). N $A, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point. b, branches mov	ask $4 = H$ Recover, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching
Cloud Wind Temp Comn Cloud c Moon: 1 Wind d followin Obser O W X T	Direction erature ( nents:	°C):       cold         riped       Free         cord cover in eights         sing the following ond speed: Record volume $0 = calm, 1 = light         types         d (sighted)         all         or netted   $	s of sky codes: 0=1 wind direc t, leaves n R D C V	None, $1 = \frac{1}{4}$ Moontion to the nearestustle, $2 =$ moderateRoad killDog killCat killFox kill	n: None H). N $h, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point. b, branches mov	ask $4 = I$ Recc $ve, 3$ $\frac{1}{2}$	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost
Cloud Wind Temp Comm Cloud c Moon: I Wind d followin Obser O W X T H	Direction erature (' nents: 	$\circ$ C):       cold         riped       Free         cord cover in eights         sing the following of         nd speed: Record v         0 = calm, 1 = light         types         d (sighted)         all         or netted         feathers	s of sky codes: 0=1 vind direc t, leaves ru R D C V	None, 1 = $\frac{1}{4}$ Moontion to the nearestustle, 2 = moderateRoad killDog killCat killFox killShot	n: None H). N $A, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point. b, branches mov	<b>ask</b> 4 = I Reco /e, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth
Cloud Wind Temp Comm Cloud c Moon: I Wind d followin Obser O W X T H A	Direction erature ( nents: 	°C):       cold         riped       Free         cord cover in eights         sing the following ond speed: Record volume $0 = calm, 1 = light         types         d (sighted)         all         or netted   $	s of sky codes: 0=1 wind direc t, leaves n R D C V S S I	NeezeRaiNone, $1 = \frac{1}{4}$ Moontion to the nearestustle, $2 =$ moderateRoad killDog killCat killFox killShotIndirect evidence	n: None H) N $A, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point. b branches mov	<b>ask</b> 4 = I Reco 7e, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located
Cloud Wind Temp Comm Cloud c Moon: I Wind d followin Obser O W X T H A	Direction erature (' nents: 	$\circ$ C):       cold         riped       Free         cord cover in eights         sing the following of         nd speed: Record v         0 = calm, 1 = light         types         d (sighted)         all         or netted         feathers	s of sky codes: 0=1 vind direc t, leaves ru R D C V	None, 1 = $\frac{1}{4}$ Moontion to the nearestustle, 2 = moderateRoad killDog killCat killFox killShot	n: None H). N $A, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point. b, branches mov	<b>ask</b> 4 = I Reco 7e, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth
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Cloud Wind Temp Comm Cloud c Moon: J Wind d followin Obser O W X T H A K	Direction erature (' nents: 	$\circ$ C):coldcordFreecordcover in eightsing the following onnd speed:Record vo0 = calm, 1 = lighttypesd (sighted)allor nettedfeathersl/beachedTypeg above canopybridgelding	s of sky codes: 0=1 wind direct, leaves ru k, leaves ru B C V S I P B I I G I G	None, 1 = $\frac{1}{4}$ Moontion to the nearestistle, 2 = moderateRoad killDog killCat killFox killShotIndirect evidenceScatIn burrowIn caveIn grass	n: None H). N $A, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point. by branches mov I I D C C C C C C C C C C C C C	<b>as</b> 4 = I Recc /e, 3 2 <b>1</b> 2 <b>1</b> 2 <b>1</b> <b>2</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b>	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock
Cloud Wind Temp Comm Cloud c Moon: I Wind d followin Obser O W X T H A K	Direction erature (' nents: 	$\circ$ C):coldcord cover in eightsing the following onnd speed: Record w0 = calm, 1 = lighttypesd (sighted)allor nettedfeathersl/beachedTypeg above canopybridgeldingce in rock	S s of sky codes: 0=1 wind direct t, leaves ru R D C V S I P IB IC IG IH	NeezeRaiNone, $1 = \frac{1}{4}$ Moontion to the nearestistle, $2 =$ moderateRoad killDog killCat killFox killShotIndirect evidenceScatIn burrowIn caveIn grassIn tree hollow	n: None H). M $A, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point. branches mov 1 2 1 2 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	ASk 4 = I Recco 7e, 3 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water
Cloud Wind Temp Comm Cloud c Moon: J Wind d followin Obser O Wind d followin Cloud c Moon: J Wind d followin Wind d followin K	Direction erature (' nents: 	°C):       cold         riped       free         cord cover in eights         sing the following ond speed: Record word word on the speed: Record word word word word word word word w	s of sky codes: 0=1 vind direc t, leaves r R D C V S I I P IB IC IG IH	Rei       Rai         None, 1 = ¼ Moon       (         None, 1 = ¼ Moon       (         tion to the nearest       (         stile, 2 = moderate       (         Road kill       (         Dog kill       (         Cat kill       (         Fox kill       (         Shot       (         Indirect evidence       (         Scat       (         In burrow       (         In cave       (         In grass       (         In litter       (	n: None H). M $A, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point. b branches mov A A A A A A A A	A = I Recco /e, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road
Cloud Wind Temp Comm Cloud c Moon: J Wind di followin Wind di followin <b>Obser</b> <b>O</b> <b>W</b> <b>X</b> T <b>H</b> <b>A</b> <b>K</b> <b>Micro</b> <b>AC</b> <b>BR</b> <b>BU</b> <b>CK</b> <b>CL</b> <b>DA</b>	Direction erature ( nents: inents: inection as ng codes: irection	°C):       cold         riped       Free         cord cover in eights         sing the following ond         nd speed: Record voltage         d (sighted)         all         or netted         feathers         l/beached         Type         g above canopy         bridge         lding         ce in rock         ce in log         fire dam	s of sky codes: 0=1 wind direct t, leaves n R D C V S I P B IC IG IG IH IL IR	Rei       Rai         None, 1 = ¼ Moon       (         None, 1 = ¼ Moon       (         tion to the nearest       (         Istle, 2 = moderate       (         Road kill       (         Dog kill       (         Cat kill       (         Fox kill       (         Shot       (         Indirect evidence       (         Scat       (         In burrow       (         In cave       (         In grass       (         In tree hollow       (         In reeds       (	n: None H). M $A, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point. b, branches mov I I I C C C C C C C C C C C C C	035 4 = I Recc, 3 7 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road ON trunk
Cloud Wind Temp Comm Cloud c Moon: J Wind d followin Obser O W X T H A K Micri AC BR BR BU CK CL DA DT	Direction erature (' nents: 	°C):       cold         riped       Free         cord cover in eights         sing the following ond         nd speed: Record voltage         d (sighted)         all         or netted         feathers         l/beached         Type         g above canopy         bridge         lding         ce in log         fire dam         id tree (stag)	s of sky codes: 0=1 vind direct t, leaves ru R D C V S I P I B IC IG IH IL IR IS	Rei       Rai         None, 1 = ¼ Moon       (         None, 1 = ¼ Moon       (         tion to the nearest       (         Istle, 2 = moderate       (         Road kill       (         Dog kill       (         Cat kill       (         Fox kill       (         Shot       (         Indirect evidence       (         Scat       (         In burrow       (         In cave       (         In grass       (         In tree hollow       (         In soil       (	n: None H). M $A, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point. b, branches mov A A A A A A A A	03) 4 = I Recc /e, 3 2 4 2 4 2 4 3 2 4 3 2 4 3 2 4 3 2 4 3 3 4 3 4	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road ON trunk Under bark
Cloud Wind Temp Comm Cloud c Moon: I Wind d followin Obser O W X T H A K Micro AC BR BU CK CL DA DT FW	Direction erature (' nents: 	°C):coldripedFreecord cover in eightssing the following onnd speed: Record w $0 = calm, 1 = lighttypesd (sighted)allor nettedfeathersd/beachedTypeg above canopybridgeldingce in rockce in logfire damd tree (stag)of water$	S s of sky codes: 0=1 wind direc t, leaves r R D C V S I P IB IC IG IG IH IL IR IS IT	Rei       Rai         None, 1 = ¼ Moon       (         None, 1 = ¼ Moon       (         tion to the nearest       (         stile, 2 = moderate       (         Road kill       (         Dog kill       (         Cat kill       (         Fox kill       (         Shot       (         Indirect evidence       (         Scat       (         In burrow       (         In cave       (         In grass       (         In tree hollow       (         In soil       (         In live tree       (	n: None H). M $A, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point. branches mov 1 2 1 2 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	ask $4 = I Reccc$ $re, 3$ $7$ $2$ $1$ $2$ $1$ $3$ $3$ $3$ $3$ $3$ $4$ $4$ $3$ $4$ $4$ $3$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$ $4$	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road ON trunk Under bark Upper canopy
Cloud Wind Temp Comm Cloud c Moon: J Wind d followin Obser O W X T H A K T H A K Micro AC BR BR BU CK CL DA DT EW EC	Direction erature (' nents: 	°C):       cold         riped       free         cord cover in eights         sing the following ond         nd speed: Record v         0 = calm, 1 = light         types         d (sighted)         all         or netted         feathers         d/beached         Type         g above canopy         bridge         lding         ce in rock         ce in log         fire dam         id tree (stag)         of water         post or stump	s of sky codes: 0=1 wind direc t, leaves n R D C V S 1 P B IC IG IG IH IL IR IS IT	ReiReiRaiRaiNone, 1 = ¼ Moontion to the nearestustle, 2 = moderateRoad killDog killCat killFox killShotIndirect evidendScatIn burrowIn caveIn grassIn tree hollowIn litterIn reedsIn soilIn live treeIn water	n: None H). M $A, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point. branches mov I I Ce I C C C C C C C C C C C C C	A = I Recco Ze, 3 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road ON trunk Under bark Upper canopy Undergrowth
Cloud Wind Temp Comm Cloud c Moon: J Wind d followin Obser O W X T H A K Micro AC BR BU CK CL DA DT EW FC FL	Direction erature (' nents: inents: inection as ng codes: rvation t Observe Heard ca In scat Trapped Hair or f Stranded Dead Dead Dead Dead Dead Dead Crevic Farm/ In dea Edge o In/on Flying	°C):       cold         riped       Free         cord cover in eights         sing the following ond         nd speed: Record voltage         nd speed: Record voltage         d (sighted)         all         or netted         feathers         l/beached         Type         g above canopy         bridge         lding         ce in log         fire dam         d tree (stag)         of water         post or stump         g within canopy	S s of sky codes: 0=1 wind direct t, leaves n R D C V S I P IB IC IG IH IL IK IK IK IK IK	Rei       Rai         None, 1 = ¼ Moon       (         None, 1 = ¼ Moon       (         tion to the nearest       (         Istle, 2 = moderate       (         Road kill       Dog kill         Cat kill       (         Fox kill       (         Shot       (         Indirect evidence       (         Scat       (         In burrow       (         In cave       (         In grass       (         In tree hollow       (         In litter       (         In soil       (         In live tree       (         In water       (         Lower canopy       (	n: None H). M $A, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point. a, branches mov A A A A A A A A	ask           4 = I           Recc           7           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           1           2           3           3           3           3           4           4           5           5           5           5           5           5           5           5	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road ON trunk Under bark Upper canopy Undergrowth Under log
Cloud Wind Temp Comm Cloud c Moon: J Wind d followin Obser O W X T H A K T H A K Micro AC BR BR BU CK CL DA DT EW EC	Direction erature (' nents: 	°C):       cold         riped       Free         cord cover in eights         sing the following ond         and speed: Record voltage         d (sighted)         all         or netted         feathers         l/beached         Type         g above canopy         bridge         lding         ce in log         fire dam         id tree (stag)         of water         post or stump         g within canopy	s of sky codes: 0=1 wind direc t, leaves n R D C V S 1 P B IC IG IG IH IL IR IS IT	ReiReiRaiRaiNone, 1 = ¼ Moontion to the nearestustle, 2 = moderateRoad killDog killCat killFox killShotIndirect evidendScatIn burrowIn caveIn grassIn tree hollowIn litterIn reedsIn soilIn live treeIn water	n: None H). N $A, 2 = \frac{1}{2}, 3 = \frac{3}{4},$ cardinal point. by branches mov 1 2 1 2 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	A = I Recco Ze, 3 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located Burnt On beach sand On log On rock Over water On road ON trunk Under bark Upper canopy Undergrowth

Time (24 h)	Call species name	Time (24 h)	S	pecies name	No. Ind.	Comment
23:15	Squirrel alider	23:20	No	response		
23:25	Squirrel Glider Koala Bush Stone-curler	23:30	No	response		
23:35	Bush Stone-curles	w 23:40	No	response		
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	A A.		Survey	Project #:		A .
	Proforma			Observer	<u> </u>	3+50
	and the second	己附丁	ERED	Date: 🥻	<u>5.12</u>	.06
			JAN ZUUE	Site ID:	PM.	- al (rall playbar
	1N	<u>ר כ</u>				Cully 1
locat	ion and timing		<u> </u>	- <u>61</u>		
ИGA	Zone: 56	Easting	2983	88	Northin	g6211493
Start t	ime (24 h): 20;55	Finish	time (24 h): <b>2</b> ]	:30		
Map s	heet Name: Appin	Map sh	neet number: 90	29-15	LGA: \	Wollondilly
Locati	on description:	Wes'	near	ET7, fo (1990) -	ang	creek.
Surve	Gully Site. y Details					
Гуре	of amplification? Loud			ration of call r		
	ton of instenning (initiates)?	5_	<u>&gt;</u>	in listen tro	<u>, al</u>	playback, 10 min spotli
Weat	her at start of survey	y				' (Induded)
	cover: $0/2$	noo <u> </u>	 Μα	oon: Below	horizo	<u></u>
		+;   -  ;	ant breeze Rai			· ·
-	erature (°C): Coo	<u>, , , , , , , , , , , , , , , , , , , </u>	J. Olecce Im			
	nents:		· · · · · · · · · · · · · · · · · · ·			
Wh	ite-striped Freet	bil (	Batx1 (	(H)		
W loud c loon: I loon: I	over: Record cover in eights Record using the following c irection and speed: Record w ing codes: 0 = calm, 1 = light,	odes: 0=N vind direct	None, $1 = \frac{1}{4}$ Moor ion to the nearest	n, $2 = \frac{1}{2}$ , $3 = \frac{3}{4}$ , t cardinal point.	Record v	
loud c loud c loon: I lowin	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light,	odes: 0=N vind direct	None, $1 = \frac{1}{4}$ Moor ion to the nearest	n, $2 = \frac{1}{2}$ , $3 = \frac{3}{4}$ , t cardinal point.	Record v	
loud c loon: I loon: I llowin	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b>	odes: 0=N vind direct , leaves ru	Sone, $1 = \frac{1}{4}$ Moon ion to the nearest stle, $2 = \text{moderate}$	n, $2 = \frac{1}{2}$ , $3 = \frac{3}{4}$ , cardinal point. e, branches mov	Record v e, 3 = stu	rong, tops of trees move.
loud c loon: I /ind di /llowin	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light,	odes: 0=N vind direct , leaves ru <b>R</b>	None, $1 = \frac{1}{4}$ Moor ion to the nearest stle, $2 = \text{moderate}$ Road kill	n, $2 = \frac{1}{2}$ , $3 = \frac{3}{4}$ , t cardinal point. e, branches mov	Record v e, $3 = stu$	cks, scratching
loud c loon: I lind di illowin <b>Dbsei</b> <b>O</b>	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted)	odes: 0=N vind direct , leaves ru	Sone, $1 = \frac{1}{4}$ Moon ion to the nearest stle, $2 = \text{moderate}$	n, $2 = \frac{1}{2}$ , $3 = \frac{3}{4}$ , cardinal point. e, branches mov	Record v e, $3 = stuTracTrac$	rong, tops of trees move.
loud c oon: I 'ind di Ilowin Dbser O W X	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call	odes: 0=N vind direct , leaves ru <b>R</b> <b>D</b> <b>C</b>	Sone, $1 = \frac{1}{4}$ Moon ion to the nearest stle, $2 = \text{moderate}$ Road kill . Dog kill	n, $2 = \frac{1}{2}$ , $3 = \frac{3}{4}$ , cardinal point. e, branches mov	Record v e, 3 = str Trac In ra I Mis	cks, scratchingaptor/owl pellet
loud c oon: I 'ind di Ilowin Dbser O W X T	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call In scat	odes: 0=N vind direct , leaves ru R D C V	Jone, 1 = ¼ Moon ion to the nearest stle, 2 = moderate Road kill Dog kill Cat kill	n, $2 = \frac{1}{2}$ , $3 = \frac{3}{4}$ , cardinal point. e, branches mov	Record v e, 3 = stu Trac In rac I Mis Nes	cks, scratching aptor/owl pellet cellaneous
loud c loon: I lowin Dbser O W X T H	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call In scat Trapped or netted	odes: 0=N vind direct , leaves ru <b>R</b> <b>D</b> <b>C</b>	Jone, 1 = ¼ Moor ion to the nearest stle, 2 = moderate Road kill Dog kill Cat kill Fox kill	n, $2 = \frac{1}{2}$ , $3 = \frac{3}{4}$ , e, cardinal point. e, branches mov	Record v e, 3 = stu Trad In rad Mis Nes Bor	cong, tops of trees move.
Vind di loud c oon: I vind di llowin Dbsei O W X T H A	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call In scat Trapped or netted Hair or feathers	odes: 0=N vind direct , leaves ru R D C V S L	Jone, $1 = \frac{1}{4}$ Moor ion to the nearest stle, $2 = moderate$ Road kill Dog kill Cat kill Fox kill Shot	n, $2 = \frac{1}{2}$ , $3 = \frac{3}{4}$ , e cardinal point. e, branches mov	Record v e, 3 = su Trac In ra In ra In so Nes Bor Not	cks, scratching aptor/owl pellet cellaneous t or roost les or teeth located
Violation control cont	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call In scat Trapped or netted Hair or feathers Stranded/beached Dead	odes: 0=N vind direct , leaves ru R D C V S I	Jone, 1 = ¼ Moor ion to the nearest stle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect eviden Scat	n, $2 = \frac{1}{2}$ , $3 = \frac{3}{4}$ , e cardinal point. e, branches mov	Record v e, 3 = su Trac In ra In ra In so Nes Bor Not	cks, scratching aptor/owl pellet cellaneous t or roost les or teeth located
Vicro	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call In scat Trapped or netted Hair or feathers Stranded/beached Dead habitat Type	odes: 0=N vind direct , leaves ru R D C V S I P	Jone, 1 = ¼ Moon ion to the nearest stle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect eviden Scat	n, $2 = \frac{1}{2}$ , $3 = \frac{3}{4}$ , e, cardinal point. e, branches mov	Record v e, 3 = su Tra In ra In ra I Mis Nes Bor Not Bur	cks, scratching aptor/owl pellet cellaneous t or roost nes or teeth located nt
Vince of the second sec	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call In scat Trapped or netted Hair or feathers Stranded/beached Dead habitat Type Flying above canopy	odes: 0=N vind direct leaves ru R D C V S I P	Jone, 1 = ¼ Moon ion to the nearest stle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect eviden Scat	n, 2 = ½, 3= ¾, cardinal point. e, branches mov I I Z N Ce I I Ce I I I I I I I I I I I I I I I	Record v e, 3 = stu Trac In ra Not Bor Not Bur Bur	cong, tops of trees move.
Vicro AC BR	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call In scat Trapped or netted Hair or feathers Stranded/beached Dead habitat Type Flying above canopy In/on bridge	odes: 0=N vind direct leaves ru R D C V S I P IB IC	Jone, 1 = ¼ Moor ion to the nearest stle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect eviden Scat In burrow In cave	n, 2 = ½, 3= ¾, cardinal point. e, branches mov	Record v e, $3 = stu$ I In rational Nes Bor Not Bur Bur L Or	cong, tops of trees move.
Viceo A Miceo A Miceo B Miceo A B Miceo B Miceo A C B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo B Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo Miceo	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call In scat Trapped or netted Hair or feathers Stranded/beached Dead habitat Type Flying above canopy In/on bridge In building	odes: 0=N rind direct leaves ru R D C V S I P IB IC IG	Jone, 1 = ¼ Moon ion to the nearest stle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect eviden Scat In burrow In cave In grass	n, 2 = ½, 3= ¾, cardinal point. e, branches mov I I Z N Ce I Ce I C C C	Record v e, $3 = stuIn radiation radiatio radiation radiatio radiati radiati radiatio radiatio radiatio radiatio radiatio radiati$	cks, scratching aptor/owl pellet cellaneous t or roost tes or teeth located nt beach sand log rock
loud c oon: I 'ind di Ilowin Dbser O W X T T T T A K K K K K K K K K K K K K K K	Record using the following c irrection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call In scat Trapped or netted Hair or feathers Stranded/beached Dead <b>habitat Type</b> Flying above canopy In/on bridge In building Crevice in rock	odes: 0=N vind direct leaves ru R D C V S I P IB IC IG IH	Jone, 1 = ¼ Moon ion to the nearest stle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect eviden Scat In burrow In cave In grass In tree hollow	n, 2 = ½, 3= ¾, cardinal point. e, branches mov	Record v e, 3 = stu Trao In ra Not Bor Not Bur Bur Bur R Or Not	cks, scratching aptor/owl pellet cellaneous t or roost nes or teeth located nt beach sand log rock rer water
loud c loon: I vind di illowin Dbser O W X T H A K Micro AC BR BU CK CL	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call In scat Trapped or netted Hair or feathers Stranded/beached Dead <b>habitat Type</b> Flying above canopy In/on bridge In building Crevice in rock Crevice in log	odes: 0=N vind direct leaves ru R D C V S I P IB IC IG IH	Jone, 1 = ¼ Moor ion to the nearest stle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect evidem Scat In burrow In cave In grass In tree hollow In litter	n, 2 = ½, 3= ¾, cardinal point. e, branches mov	Record v e, $3 = stu$ In rational In rational Not Bor Not Bur Bur Bur Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr	rong, tops of trees move.
Vicro A Micro A Micro A Micro A C B R B U C K D A	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call In scat Trapped or netted Hair or feathers Stranded/beached Dead <b>habitat Type</b> Flying above canopy In/on bridge In building Crevice in rock Crevice in log Farm/fire dam	odes: 0=N vind direct leaves ru R D C V S I P IB IC IG IH IL IR	Jone, 1 = ¼ Moor ion to the nearest stle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect eviden Scat In burrow In cave In grass In tree hollow In litter In reeds	n, 2 = ½, 3= ¾, cardinal point. e, branches mov I I Ce I Ce I CC C C C C C C C C C C C	Record v           e, 3 = str           In radiustrian           In radiustrian           Mission           Bor           Bor           Bor           Bor           Bur           Bur <t< td=""><td>rong, tops of trees move.</td></t<>	rong, tops of trees move.
loud c loon: I vind di illowin Dbser O W X T T T T K K K K K K K K K K K K K K C K DA DA DX	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call In scat Trapped or netted Hair or feathers Stranded/beached Dead <b>habitat Type</b> Flying above canopy In/on bridge In building Crevice in rock Crevice in log Farm/fire dam In dead tree (stag)	odes: 0=N vind direct leaves ru R D C V S I P IB IC IG IH IL IR IS	Jone, 1 = ¼ Moon ion to the nearest stle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect eviden Scat In burrow In cave In grass In tree hollow In litter In reeds In soil	n, 2 = ½, 3= ¾, cardinal point. e, branches mov	Record v         e, 3 = str         In radia         Bor         Not         Bur         In radia         R Or         In radia         In radia <td>cks, scratching aptor/owl pellet cellaneous t or roost hes or teeth located nt beach sand log rock ver water road V trunk her bark</td>	cks, scratching aptor/owl pellet cellaneous t or roost hes or teeth located nt beach sand log rock ver water road V trunk her bark
loud c loon: I vind di illowin Dbser O W X T H A K Micro AC BR BU CK BU CK CL DA DT EW	Record using the following c irrection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call In scat Trapped or netted Hair or feathers Stranded/beached Dead habitat Type Flying above canopy In/on bridge In building Crevice in rock Crevice in log Farm/fire dam In dead tree (stag) Edge of water	odes: 0=N vind direct leaves ru B C V S I P B IB IC IG IG IH IL IS IS IT	Jone, 1 = ¼ Moon ion to the nearest stle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect eviden Scat In burrow In cave In grass In tree hollow In litter In reeds In soil In live tree	n, 2 = ½, 3= ¾, cardinal point. e, branches mov 2 2 3 3 4 4 3 4 4 3 4 4 4 5 6 6 6 6 6 6 6 6 7 6 7 7 7 7 7 7 7 7 7	Record v           e, 3 = stu           In radii           In radii           Mis           Not           Bor           Not           Bur           Bur           Bur           Bur           W           Ov           D           C           Ur           C           Ur           C	cks, scratching aptor/owl pellet cellaneous t or roost bes or teeth located nt beach sand log rock ver water road V trunk der bark oper canopy
loud c loon: I vind di illowin Dbser O W X T H A K Micro AC BR BU CK CL DA DA DT EW FC	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call In scat Trapped or netted Hair or feathers Stranded/beached Dead <b>habitat Type</b> Flying above canopy In/on bridge In building Crevice in rock Crevice in log Farm/fire dam In dead tree (stag) Edge of water In/on post or stump	odes: 0=N vind direct leaves ru R D C V S I P IB IC IG IH IL IG IH IL IR IS IT IV	Jone, 1 = ¼ Moor ion to the nearest stle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect eviden Scat In burrow In cave In grass In tree hollow In litter In reeds In soil In live tree In water	n, 2 = ½, 3= ¾, cardinal point. e, branches mov I I Ce I Ce I C C C C C C C C C C C C C	Record v           e, 3 = stu           In radiustria           Not           Bor           Not           Bur           In radiustria           Not           Bur           R           Or           R           Or           K           ON           B           Ur           G           Ur	rong, tops of trees move.
Victor loud c loon: I vind di illowin Dbser O W X T H A K X T H A K Micro AC BR BR BU CK CL DA DT EW FC FL	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call In scat Trapped or netted Hair or feathers Stranded/beached Dead <b>habitat Type</b> Flying above canopy In/on bridge In building Crevice in rock Crevice in log Farm/fire dam In dead tree (stag) Edge of water In/on post or stump Flying within canopy	odes: 0=N vind direct leaves ru R D C V S I I P IB IC IG IH IL IR IS IT IW LC	Jone, 1 = ¼ Moor ion to the nearest stle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect eviden Scat In burrow In cave In grass In tree hollow In litter In reeds In soil In live tree In water Lower canopy	n, 2 = ½, 3= ¾, cardinal point. e, branches mov	Record v         e, 3 = str         In radiation         In radiation         In radiation         In radiation         In radiation         In radiation         Born         Born         Born         Born         Born         Burn         Burn <td>rong, tops of trees move.</td>	rong, tops of trees move.
loud c loon: I vind di illowin Dbser O W X T H A K Micro AC BR BU CK CL DA DA DT EW FC	Record using the following c irection and speed: Record w ng codes: 0 = calm, 1 = light, <b>vation types</b> Observed (sighted) Heard call In scat Trapped or netted Hair or feathers Stranded/beached Dead <b>habitat Type</b> Flying above canopy In/on bridge In building Crevice in rock Crevice in log Farm/fire dam In dead tree (stag) Edge of water In/on post or stump	odes: 0=N vind direct leaves ru R D C V S I P IB IC IG IH IL IG IH IL IR IS IT IV	Jone, 1 = ¼ Moor ion to the nearest stle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Indirect eviden Scat In burrow In cave In grass In tree hollow In litter In reeds In soil In live tree In water	n, $2 = \frac{1}{2}$ , $3 = \frac{3}{4}$ , e cardinal point. e, branches mov	Record v e, 3 = str I In ra I In ra Nes Bor Bor Bor Bur Bur Bur C Or B Or B Or B Or B Or B Or B Or B Or B	rong, tops of trees move.

Time (24 h)	Call species name	Time (24 h)	Spec Species name	No. Ind.	Comment
21:00	Squirrel Glider	21:05	No response		
21:10	Koala	21:15			
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		Call Pla	yback Survey	Project	#: 4200
	5.5 Y - Y - Y	Proform	· · · · · · · · · · · · · · · · · · ·	Observ	er: RVB+JC
	BIOSÎS			Date:	7.12.06
	AFSEARCH		GPS4	Site ID:	CPMGZ
	Location and (	<u>41</u>			Same Lip as CPFGRD.
(					
	MGA Zone:	56	Easting 2979	7 4	Northing 6211977
		<u> </u>			
	Start time (24 h	1): <u>00:02</u>	Finish time (24 h): 0	0:2/	
	Map sheet Nam	ne: Appin	Map sheet number: 90	29-18	LGA: Wollondilly
	Map sheet Nam	ne: Appin		29-18	
	Map sheet Nam	ne: Appin iption: easement	Map sheet number: 90	29-18	
	Map sheet Nam Location descri Power line	ne: Appin iption: easement ication? (c	Map sheet number: 90 -west - aimed	29-18 down	
	Map sheet Nam Location descri Power line Survey Details Type of amplif	ne: Appin iption: easement s ication? (c tening (minute	Map sheet number: 90 -west - aimed	29-18 down	into gully.
	Map sheet Nam Location descrip Power line Survey Details Type of amplif Duration of list Weather at sta Cloud cover;	ne: Appin iption: easement s ication? (a tening (minute art of survey 7/8	Map sheet number: 90 - west - ained bud hailer Dr s)? 5	29-18 down	into gully. Il playback (minutes)? 5

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obse	ervation types				
Ο	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	Μ	Miscellaneous
T	Trapped or netted	v	Fox kill	E	Nest or roost
Ĥ	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Indirect evidence	N	Not located
K	Dead	_ <u>P</u>	Scat	В	Burnt

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	<b>IH</b>	In tree hollow	OW	Over water
<u><u> </u></u>	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	ŪG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WE	Waterhole

	Playback Details		Specie		
Time (24 h)	Call species name	Time (24 h)	Species name	No. Ind.	Comment
10:01	Squirrel alider	00:07	No response		
00:12	Squirrel Glider Koala	71:00	No response No response		
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HAKP	IRAY.	- KIDU	nc (Z nigi	nts)				REN	
			Harp Tra	o Surve	у	Project	#: 4200		
			Proforma		- 	Observ	ver/s: KJC	1Gwm	
		<u>ios</u> is	GPS	4 W1	5	Site:	29/11/06	++R-+	Harp 1
	Loe	ation an	d timing						
	MG	A Zone:	56	Easting 2	984	02	Northing [	2118	62
	Mar	o sheet N	ame: Appin	Map sheet a	number: 90	29-1S LGA: Wollondilly			
	Date	e/Time T	rap Set: 29/11/06	·	Da	te/Time Tra	ap Dismantled:	1/12/06	
		ation des	track	set in v	idge top	, wood	and at	end of	
	¥ 7	ivap n	t set property	1-bag	inside	ant +1"	+night		
	Pho	otos:							
	We	ather at	start of survey						
		ud cover.	$\frac{\partial}{8}$ ion and speed: 3			$\frac{1}{1}$		<u>)</u>	
	Ten	nperature							
	Con With	nments:	Sallow pones.	hanth	£	20	nights,	bag off	
		J	and the	monteo	(.	d	iring d	air.	
			ecord cover in eights using the following co		$1 = \frac{1}{4} M_{00}$		J	<u> </u>	
	Wind	direction	and speed: Record w s: $0 = \text{calm}, 1 = \text{light},$	ind direction to	o the neares	t cardinal po	int. Record wind		ve.
	Date	Sp.	Species Name			orearm	Wt	Notes	
	Captured					(mm)	(g)		
	1, 30·11·(	56	Nil bats to Nil bats +	apped		_			
	1.12.06	•	Nil bots +	rapped					

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Ŕ	ALL P	Har	rp Trap	o Surve	y	Projec	:t #: 42	DO		
			forma		-	Obser	ver/s:	GWM	+JC	
<u></u>	<u>IQS</u> [S		aps (	4 WP	4		50-11-0		arp 2	
Lo	cation an	d timing								<u>, i</u>
M	GA Zone:	56		Easting 2	98	374	Nort	hing 6	2115	21
Ma	np sheet N	ame: Ap	pin	Map sheet n	number:	9029-1S	LG	A: Wollo	ndilly	
Da	te/Time T	rap Set:	19:10	30.11.06	]	Date/Time T	rap Dism	antled:	1/12/06	q. ?
	cation des Tack	· ·		st - Qu	ally -	near	ΕT	7.		
Ph	otos: 🖒	۱٬۱								
	eather at oud cover		8	571) 272		Moon: Rain: Na	ne.			
Wi Te	mperature		Mild							
Wi Te Co Clou Moo Win	mperature mments: nd cover: R on: Record d direction	ecord cov using the and speed	Ver in eights of following co d: Record wi		$1 = \frac{1}{4} \text{ M}$ the near	oon, $2 = \frac{1}{2}$ , $3 = \frac{1}{2}$ est cardinal p	= ¾, 4 = F oint. Reco	rd wind sp		
Wi Te Co Clou Moo Win follo	mperature mments: nd cover: R on: Record d direction owing code Sp.	e (°C): lecord cov using the and speed s: 0 = calr	Ver in eights of following co d: Record wi	of sky odes: 0=None, ind direction to leaves rustle, 2	$1 = \frac{1}{4} \text{ M}$ the near	oon, $2 = \frac{1}{2}$ , $3$ : est cardinal p rate, branches <b>Forearm</b>	= ¾, 4 = F oint. Recc move, 3 = Wt	rd wind sp		
Wi Te Co Clou Moo Win follo	mperature mments: ad cover: R on: Record d direction owing code Sp. l Code	ecord cov using the and speed s: 0 = caln Spe	Ver in eights of following co d: Record wi m, 1 = light, 1 ecies Name	of sky odes: 0=None, ind direction to leaves rustle, 2	$1 = \frac{1}{4} M$ the near 2 = mode Age	oon, 2 = ½, 3- est cardinal p rate, branches	= ¾, 4 = F oint. Recc move, 3 =	rd wind sp	ops of trees n	
Wi Te Co Clou Moo Win follo <b>Date</b> <b>Captureo</b>	mperature mments: ad cover: R on: Record d direction owing code Sp. l Code	ecord cov using the and speed s: 0 = caln Spe	Ver in eights of following co d: Record wi m, 1 = light, 1 ecies Name	of sky odes: 0=None, ind direction to leaves rustle, 2 Sex	$1 = \frac{1}{4} M$ the near 2 = mode Age	oon, $2 = \frac{1}{2}$ , $3$ : est cardinal p rate, branches <b>Forearm</b>	= ¾, 4 = F oint. Recc move, 3 = Wt	rd wind sp	ops of trees n	
Wi Te Co Clou Moo Win follo <b>Date</b> <b>Captureo</b>	mperature mments: ad cover: R on: Record d direction owing code Sp. l Code	ecord cov using the and speed s: 0 = caln Spe	Ver in eights of following co d: Record wi m, 1 = light, 1 ecies Name	of sky odes: 0=None, ind direction to leaves rustle, 2 Sex	$1 = \frac{1}{4} M$ the near 2 = mode Age	oon, $2 = \frac{1}{2}$ , $3$ : est cardinal p rate, branches <b>Forearm</b>	= ¾, 4 = F oint. Recc move, 3 = Wt	rd wind sp	ops of trees n	
Wi Te Co Clou Moo Win follo <b>Date</b> <b>Captureo</b>	mperature mments: ad cover: R on: Record d direction owing code Sp. l Code	ecord cov using the and speed s: 0 = caln Spe	Ver in eights of following co d: Record wi m, 1 = light, 1 ecies Name	of sky odes: 0=None, ind direction to leaves rustle, 2 Sex	$1 = \frac{1}{4} M$ the near 2 = mode Age	oon, $2 = \frac{1}{2}$ , $3$ : est cardinal p rate, branches <b>Forearm</b>	= ¾, 4 = F oint. Recc move, 3 = Wt	rd wind sp	ops of trees n	
Wi Te Co Clou Moo Win follo <b>Date</b> <b>Captureo</b>	mperature mments: ad cover: R on: Record d direction owing code Sp. l Code	ecord cov using the and speed s: 0 = caln Spe	Ver in eights of following co d: Record wi m, 1 = light, 1 ecies Name	of sky odes: 0=None, ind direction to leaves rustle, 2 Sex	$1 = \frac{1}{4} M$ the near 2 = mode Age	oon, $2 = \frac{1}{2}$ , $3$ : est cardinal p rate, branches <b>Forearm</b>	= ¾, 4 = F oint. Recc move, 3 = Wt	rd wind sp	ops of trees n	
Wi Te Co Clou Moo Win follo <b>Date</b> <b>Captureo</b>	mperature mments: ad cover: R on: Record d direction owing code Sp. l Code	ecord cov using the and speed s: 0 = caln Spe	Ver in eights of following co d: Record wi m, 1 = light, 1 ecies Name	of sky odes: 0=None, ind direction to leaves rustle, 2 Sex	$1 = \frac{1}{4} M$ the near 2 = mode Age	oon, $2 = \frac{1}{2}$ , $3$ : est cardinal p rate, branches <b>Forearm</b>	= ¾, 4 = F oint. Recc move, 3 = Wt	rd wind sp	ops of trees n	
Wi Te Co Clou Moo Win follo <b>Date</b> <b>Captureo</b>	mperature mments: ad cover: R on: Record d direction owing code Sp. l Code	ecord cov using the and speed s: 0 = caln Spe	Ver in eights of following co d: Record wi m, 1 = light, 1 ecies Name	of sky odes: 0=None, ind direction to leaves rustle, 2 Sex	$1 = \frac{1}{4} M$ the near 2 = mode Age	oon, $2 = \frac{1}{2}$ , $3$ : est cardinal p rate, branches <b>Forearm</b>	= ¾, 4 = F oint. Recc move, 3 = Wt	rd wind sp	ops of trees n	
Wi Te Co Clou Moo Win follo <b>Date</b> <b>Captureo</b>	mperature mments: ad cover: R on: Record d direction owing code Sp. l Code	ecord cov using the and speed s: 0 = caln Spe	Ver in eights of following co d: Record wi m, 1 = light, 1 ecies Name	of sky odes: 0=None, ind direction to leaves rustle, 2 Sex	$1 = \frac{1}{4} M$ the near 2 = mode Age	oon, $2 = \frac{1}{2}$ , $3$ : est cardinal p rate, branches <b>Forearm</b>	= ¾, 4 = F oint. Recc move, 3 = Wt	rd wind sp	ops of trees n	
Wi Te Co Clou Moo Win follo <b>Date</b> <b>Captureo</b>	mperature mments: ad cover: R on: Record d direction owing code Sp. l Code	ecord cov using the and speed s: 0 = caln Spe	Ver in eights of following co d: Record wi m, 1 = light, 1 ecies Name	of sky odes: 0=None, ind direction to leaves rustle, 2 Sex	$1 = \frac{1}{4} M$ the near 2 = mode Age	oon, $2 = \frac{1}{2}$ , $3$ : est cardinal p rate, branches <b>Forearm</b>	= ¾, 4 = F oint. Recc move, 3 = Wt	rd wind sp	ops of trees n	
Wi Te Co Clou Moo Win follo <b>Date</b> <b>Captureo</b>	mperature mments: ad cover: R on: Record d direction owing code Sp. l Code	ecord cov using the and speed s: 0 = caln Spe	Ver in eights of following co d: Record wi m, 1 = light, 1 ecies Name	of sky odes: 0=None, ind direction to leaves rustle, 2 Sex	$1 = \frac{1}{4} M$ the near 2 = mode Age	oon, $2 = \frac{1}{2}$ , $3$ : est cardinal p rate, branches <b>Forearm</b>	= ¾, 4 = F oint. Recc move, 3 = Wt	rd wind sp	ops of trees n	

HARP (Kidge) - I night		E		
🖌 🔐 🖌 Harp Trap	o Survey	Project #: 4200 Observer/s: KJC, GWM		
Proforma				
BIOSIS		Site: H		
Location and timing				
MGA Zone: 56 Harp3	Easting <b>2992</b>	77	Northing 6212144	
Map sheet Name: Appin	Map sheet number: 90	29-1S	LGA: Wollondilly	
Date/Time Trap Set: 4/12/06	<b>20.00</b> Da		Dismantled: 5/12/06	
Location description: Hamp set on E side Phyney, opposite le Photos:	e of boundari arge coal p	track	Within notheral	

Cloud cover: 08	Moon:	4
Wind Direction and speed: <b>0</b>	Rain:	Nil
Temperature (°C): 20 °C		
Comments:		· · · · · · · · · · · · · · · · · · ·
fine and warm, still		

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

	Date Captured	Sp. Code	Specie	s Name	Sex	Age	Forearm (mm)	Wt (g)	Notes
<i>thecked</i>	5/12/06	NIL B	HS TRAP	PED					
			·#						 
					~				

Harp (	Ki'dge)	-'Z v	nights				<u>SN</u>	TEREN		
		and the second	Harp Trap Survey			Projec	Project #: 4200			
			Proforma			Obser	ver/s	KJC, CIWM		
		OSIS				Site:				
	Loca	tion and	l timing							
	MG	A Zone:	il Harp4	Easting 2	99	328	No	arthing 6211816		
	Map	sheet Na	ame: Appin	Map sheet	number:	9029-1S	L	GA: Wollondilly		
	Date	/Time Ti	rap Set:4/12 06	20-00		Date/Time T	rap Dis	mantled: 6/12/06		
	Haw		cription: Ton E side	e of bo	und c	ry trac	k w	whin woodland		
	Phot	tos:								
			start of survey							
		d cover:	08			Moon: 4	<u>.</u>			
		perature	on and speed: $\circ$ (°C): $2\circ$			Rain: Ń	<u>\</u>			
	Com	ments	ne, Calm w	inds						
	Moon Wind	: Record u direction		odes: 0=None, ind direction t	o the near	rest cardinal p	oint. Re	Full. cord wind speed using the 3 = strong, tops of trees move.		
	Date Captured	Sp. Code	Species Name	Sex	Age	Forearm (mm)	Wt (g)	Notes		
hoerod	5/12/26	NIL P	SATS TRAPPED							

hecked	5/12/06	NIL	BATS TROPPED.						
	6/12/06	- 7	BATS TRAPPED					, ,	 
			BATS TRAPPED Nyctophilus gouldi	07		38.6	7.75	43054-804-114 20-289- Bay 1 - 15-	B+B282 B 20-5
			Vespadelus vulturnus	8		28.6	3.75	N	BBB 25. B 21.25
			•						
						_			
									 1
					_				
			V. regulas	V.~	~[ <del>[</del> -]n	. ۷ در	punala	د	



Harp	Trap	Survey
Profo	rma	

ĺ	<b>E</b> R	ITE	RE	$\overline{D}$
		LAN	2006	9

Project #: 4200

Observer/s: KTC, Gism

Site: HARP5

Location and timing	<u>,                                     </u>				<u>e soir</u>	
MGA Zone: 56	Cone: 56 HARPS Easting 297			Northing 62117	08	
Map sheet Name: Ap	Map sheet number	r: 9029-1S	LGA: Wollondilly			
Date/Time Trap Set:			-	Dismantled: 7-12-06 0		
Photos: Camera				ully, on a trac Rd. Trap set on sides and und 36)		
Weather at start of	survey					
Cloud cover: 0		A THE THE PARTY AND A REAL PRODUCTS	Moon: —	n <u>- 1997 - Andrea de Cartes and C</u> ontrata anta, le namer (1990), de l	na na juni ( remere	
Wind Direction and speed: 0 Rain: -						
Temperature (°C):	30					
Comments:						

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full.

Date Captured	Sp. Code	Species Name	Sex	Age	Forearm (mm)	Wt (g)	Notes
6-12-06	-1	bat trapped.					
		Vespadelns S8.	ox		31-3mm	5-5g	Bag = 20g 6+ B = 25.5 Upper inscisor distinctly forked 9.8mm 2nd phalarix 6.2mm 3rd 11 6.2/9.8=0.63
							9.8mm 2nd phalanx 6.2mm 3rd 11 6.2/9.8=0.63
							27.1 Metacarpel 10.7 Istphalanx 10.7/27.1=0.3°
7-12-06	- Ni	bats trapped.					
							1

}	Luy	x x					
	r Carl	Tranning	Sum		Project #	t: 42	200
	Viel.	Trapping	Surv	/ey	Observe		
		Proforma			Date:		SWM + KJC
BI	osis						6/12/06
<u>× ¥ 5</u>	Ë Å R C H				Trap ID:		ARPG
Toool	tion and						GPS 5 Finish
LUCA				<u>Start</u>			
	d Zone:		Eastin	g 2977:	26	Eas	
NAR	6 2	13m accivery	Northi	ing 6212	612	Noi	rthing
6~	acching	/	Time (	(24 h): <b>/ 8 :</b>	40	Tin	ne (24 h):
Maps	sheet Na	me: Appin	Map s	heet number: 902	29-1S	LG	A: Wollondilly man's Greek
Date '	ey Detail Traps set of trap?		/06 / AR P		e traps collecter traps collecter traps collecter traps collecter transion of transition transiti transition transition transition t		
	ber of tra	ps?	ONF		rval betweer	_	
		<u> </u>	<u> </u>		used?		JA
Lengt Weat Cloud Wind Temp	t <b>her at st</b> d cover:	art of survey on and speed: <b>S</b>		Moo <b>ZE</b> Rain	on: n:	lou	
Lengt Weat Cloud Wind Temp Comr Cloud of Moon: Wind d	ther at st d cover: l Directio perature ( ments: cover: Rec Record us lirection a	$\frac{\text{art of survey}}{\text{on and speed: } S}$ $\frac{\text{or and speed: } S}{\text{or C}}$ $\frac{\text{or arm } S}{\text{or c}}$	of sky odes: 0=1	None, $1 = \frac{1}{4}$ Moon tion to the nearest	on: n: why c et $, 2 = \frac{3}{4}$ Moon cardinal point	, 4 = 1 . Rec	
Lengt Weat Cloud Temp Comr Cloud of Moon: Wind d followi	ther at st d cover: I Directio berature ( ments: cover: Rec Record us direction a ing codes:	art of survey on and speed: $S$ ( °C): Warn $f$ : cord cover in eights of sing the following co nd speed: Record wit 0 = calm, 1 = light,	of sky odes: 0=1	None, $1 = \frac{1}{4}$ Moon tion to the nearest	on: n: why c et $, 2 = \frac{3}{4}$ Moon cardinal point	, 4 = 1 . Rec	Full. ord wind speed using the
Lengt Weat Cloud Temp Comr Cloud c Moon: Wind d Collowir Obse	ther at st d cover: l Directio perature ( ments: cover: Rec Record us direction a ing codes:	tart of survey on and speed: $S$ ( $^{\circ}C$ ): Warm ( at () ( at () () () () () () () () () () () () ()	of sky odes: 0=1 ind direc leaves ru	$\frac{Mo}{2 \in Rain}$ $\frac{da}{2 \times ap} \frac{pa}{2}$ None, 1 = ¼ Moon tion to the nearest ustle, 2 = moderate	on: n: wthy c et $, 2 = \frac{3}{4}$ Moon cardinal point , branches mo	, 4 = Rec ove, 3	Full. ord wind speed using the = strong, tops of trees move.
Lengt Weat Cloud Wind Temp Comr Cloud of Moon: Wind d followi Obse O	ther at st d cover: l Directio perature ( ments: cover: Rec Record us lirection a ing codes: <b>rvation</b> t Observe	art of survey on and speed: $S$ ( $^{\circ}C$ ): Warr f ( Cord cover in eights of sing the following cond nd speed: Record with $0 = calm, 1 = light,typesd (sighted)$	of sky odes: 0=1 ind direc leaves ru	$\frac{Mo}{Z \in Rain}$ $\frac{da}{Z \circ Pa} = \frac{Pa}{2}$ None, 1 = ½ Moon tion to the nearest ustle, 2 = moderate Road kill	on: n: u + ly c e + $, 2 = \frac{3}{4}$ Moon cardinal point , branches mo	, 4 = Rec ove, 3	Full. ord wind speed using the = strong, tops of trees move. <u>Tracks, scratching</u>
Lengt Weat Cloud Wind Temp Comr Cloud of Moon: Wind d followin Obse O W	ther at st d cover: Direction Derature ( ments: cover: Rec Record us lirection a ing codes: <b>rvation</b> 1 Observe Heard ca	art of survey on and speed: $S$ ( $^{\circ}C$ ): Warr f ( Cord cover in eights of sing the following cond nd speed: Record with $0 = calm, 1 = light,typesd (sighted)$	$\frac{1}{41}$	$\frac{Mo}{Z \in Rain}$ $\frac{da}{da} = \frac{pa}{da}$ None, 1 = ¹ / ₄ Moon tion to the nearest fustle, 2 = moderate Road kill Dog kill	on: n: wthy c et , 2 = 34 Moon cardinal point , branches mo	, 4 = 5 Rec ove, 3 <b>F</b>	Full. ord wind speed using the = strong, tops of trees move. <u>Tracks, scratching</u> In raptor/owl pellet
Lengt Weat Cloud Wind Temp Comr Cloud of Moon: Wind d Collowit Obse O W X	ther at st d cover: Direction Derature ( ments: cover: Rec Record us direction a ing codes: <b>rvation</b> to Observe Heard ca In scat	art of survey on and speed: $S$ ( $^{\circ}C$ ): Warm ( act) cord cover in eights of sing the following co nd speed: Record with 0 = calm, 1 = light, types d (sighted) all	c c c f s ky odes: 0=1 ind direc leaves n R D C	$\frac{Mo}{Z \in Rain}$ $\frac{da}{z e} Rain$ $\frac{da}{z e}$	on: n: wtty c et , 2 = $\frac{3}{4}$ Moon cardinal point , branches mo	, 4 = Rec ove, 3 F Z M	Full. ord wind speed using the = strong, tops of trees move. <u>Tracks, scratching</u> In raptor/owl pellet Miscellaneous
Lengt Weat Cloud Wind Temp Comr Cloud of Moon: Wind d followi Obse O W W X X T	ther at st d cover: Direction Derature ( ments: cover: Rec Record us direction a ing codes: <b>rvation</b> to Observe Heard ca In scat	art of survey on and speed: $S$ ( $^{\circ}C$ ): Warr f(x) cord cover in eights of sing the following co nd speed: Record wi 0 = calm, 1 = light, types d (sighted) all l or netted	$\frac{1}{41}$	$\frac{Mo}{Z \in Rain}$ $\frac{da}{da} = \frac{pa}{da}$ None, 1 = ¹ / ₄ Moon tion to the nearest fustle, 2 = moderate Road kill Dog kill	on: n:	, 4 = Rec ove, 3 F Z M	Full. ord wind speed using the = strong, tops of trees move. <u>Tracks, scratching</u> In raptor/owl pellet
Lengt Weat Cloud Wind Temp Comr Cloud of Moon: Wind d followi Obse O W W X T H	ther at st d cover: Direction perature ( ments: cover: Rec Record us direction a ing codes: <b>rvation</b> I Observe Heard ca In scat Trapped Hair or	art of survey on and speed: $S$ ( °C): Warr for each	of sky odes: 0=1 ind direc leaves ru R D C V S	$\frac{Mo}{Z \in Rain}$ None, 1 = ¼ Moon tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot	on: n:	, 4 = 5 Rec ove, 3 <b>F</b> <b>Z</b> <b>M</b> <b>E</b> <b>Y</b>	Full. ord wind speed using the = strong, tops of trees move Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth
Lengt Weat Cloud Wind Temp Comr Cloud of Moon: Wind d followit Obse O W X T H A	ther at st d cover: Direction perature ( ments: cover: Rec Record us direction a ing codes: ervation ( Observe Heard ca In scat Trapped Hair or f Strandec ohabitat Flying In/on In bui Crevi	art of survey on and speed: $S$ ( $^{\circ}C$ ): Warm ( art) cord cover in eights of sing the following co nd speed: Record wit 0 = calm, 1 = light, types d (sighted) all l or netted feathers d/beached Type g above canopy bridge	And Area And	$\frac{Mo}{Z \in Rain}$ None, 1 = 1/4 Moon tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill	on: n:	, 4 = Rec ove, 3 F Z M E	Full. ord wind speed using the = strong, tops of trees move. <u>Tracks, scratching</u> In raptor/owl pellet Miscellaneous Nest or roost
Lengt Weat Cloud Wind Temp Comr Cloud of Moon: Wind d followi Obse O W X T H A Micro AC BR BU CK	ther at st d cover: Direction perature ( ments: cover: Rec Record us direction a ing codes: rvation t Observe Heard ca In scat Trapped Hair or t Stranded ohabitat Flying In/on In bui Crevio	art of survey on and speed: $S$ ( °C): Wark for each	$\frac{\mathbf{k}}{\mathbf{k}}$	$\frac{Mo}{Z \in Rain}$ None, 1 = 1/4 Moon tion to the nearest of ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Fossil/sub-fossil In burrow In cave In grass In tree hollow	on: n:	, 4 = Rec ove, 3 F Z M E Y N OB OL OR OW	Full. ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located On beach sand On log * On rock Over water
Lengt Weat Cloud Wind Temp Comr Cloud of Moon: Wind d followi Obse O W X T H A Micr AC BR BU CK CL DA	ther at st d cover: Directio Derature ( ments: cover: Rec Record us direction a ing codes: rvation t Observe Heard ca In scat Trapped Hair or f Strandec Obabitat Flying In/on In bui Crevio Farm/ In dea	art of survey m and speed: $S$ ( °C): Wa r M ( cord cover in eights of sing the following condition of the following conditin onterval and the following conditin on the follow	$\frac{\mathbf{R}}{\mathbf{I}}$	Mod $z \in$ Rain da = pa da = pa da = pa da = pa a a a a a a a	on: n:	, 4 = , Rec ove, 3 F Z M E Y N OB OL OR OR OW RD	Full. ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located On beach sand On log * On rock Over water On road
Lengt Weat Cloud Temp Comr Comr Cloud of Moon: Wind d followi Obse O W X T H A Micro AC BR BU CK CL DA DT EW	ther at st d cover: l Direction perature ( ments: cover: Rec Record us lirection a ing codes: <b>rvation</b> I Observe Heard ca In scat Trapped Hair or f Strandec <b>ohabitat</b> Flying In/on In bui Crevie Farm/ In dea Edge	art of survey on and speed: $S$ ( °C): Wark for each	$\begin{array}{c} \mathbf{x} \ \mathbf{e} \\ 4 \ \mathbf{n} \\ \mathbf{of} \ \mathbf{sky} \\ \mathbf{odes:} \ 0 = \mathbf{I} \\ \mathbf{nd} \ \mathbf{direc} \\ \mathbf{leaves} \ \mathbf{n} \\ \mathbf{R} \\ \mathbf{D} \\ \mathbf{C} \\ \mathbf{V} \\ \mathbf{S} \\ \mathbf{I} \\$	$Mot$ $Z \in Rain$ $da \times pc$ $far a p $ $da \times pc$ $far a p $ $da \times pc$ $far a p $ $far a $	on: n:	, 4 = , Rec , Rec , Rec , Rec , M E Z M M E Y N OB OL OR OR OR DW RD IK UB UC	Full. ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located On beach sand On log * On rock Over water On road ON trunk Under bark Upper canopy
Lengt Weat Cloud Temp Comr Cloud of Moon: Wind d followi O bse O W X T H A C BR BU CK CL BR BU CK CL DA T EW FC	ther at st d cover: Direction perature ( ments: cover: Rec Record us direction a ing codes: rvation t Observe Heard ca In scat Trapped Hair or f Strandec ohabitat Flying In/on In bui Crevio Farm/ In dea Edge In/on	art of survey m and speed: $S$ ( °C): Wa v M ( cord cover in eights of sing the following co nd speed: Record wit 0 = calm, 1 = light, types d (sighted) all l or netted feathers d/beached Type g above canopy bridge lding ce in rock ce in log (fire dam ad tree (stag) of water post or stump	$\frac{\mathbf{R}}{\mathbf{C}}$	Mot <b>Z E</b> Rain <b>Calc Calc </b>	on: n:	, 4 = , Rec , Rec , We, 3 F Z M E Y N OB OL OR OR OR OR OW RD TK UB UC UG	Full. ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located On beach sand On log * On rock Over water On road ON trunk Under bark Upper canopy Undergrowth
Lengt Weat Cloud Wind Temp Comr Cloud of Moon: Wind d followi Obse O W X O S C N M C M C M C C B R B R B U C K C C L D A D T E W C F C	ther at st d cover: Direction Derature ( ments: cover: Rec Record us direction a ing codes: rvation t Observe Heard ca In scat Trapped Hair or f Strandec Observe Heard ca In scat Trapped Hair or f Strandec Observe Heard ca In scat Trapped Hair or f Strandec Crevie Farm/ In dea Edge In/on Edge	art of survey on and speed: $S$ ( °C): Wavm ( art of cover in eights of sing the following co nd speed: Record wit 0 = calm, 1 = light, types d (sighted) all or netted feathers d/beached Type g above canopy bridge lding ce in rock ce in log fire dam ad tree (stag) of water post or stump g within canopy	A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~ A 1 ~	Mod $\mathbf{z} \in$ Rain $da \times pc$ $\mathbf{z} \in$ Rain $da \times pc$ $\mathbf{z} \in$ Rain $\mathbf{z} \in$ Rain $\mathbf{z} \in$ Rain $\mathbf{z} \in$ Rain $\mathbf{z} \in$ Road $\mathbf{z} \in$ $\mathbf{z} \in$ $\mathbf{z} \in$ Road $\mathbf{z} \in$ $\mathbf{z} \in$ $\mathbf{z} \in$ $\mathbf{z} \in$ $\mathbf{z} \in$	on: n:	, 4 = . . Rec . ve, 3 F Z Z M E Y N OB OL OR OR OR OR OR OR DW RD TK UB UC UG UC	Full. ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located On beach sand On log * On rock Over water On road ON trunk Under bark Upper canopy Undergrowth Under log
Lengt Weat Cloud Temp Comr Cloud of Moon: Wind d followi O bse O W X T H A C BR BU CK CL BR BU CK CL DA T EW FC	ther at st d cover: Direction perature ( ments: cover: Rec Record us direction a ing codes: rvation 1 Observe Heard ca In scat Trapped Hair or 1 Strandec Obabitat Flying In/on In bui Crevio Crevio Farm/ In dea Edge In/on Flying On gr	art of survey on and speed: $S$ ( $^{\circ}C$ ): Wa v M f = f cord cover in eights of sing the following con- nd speed: Record wing 0 = calm, 1 = light, types d (sighted) all or netted feathers d/beached Type g above canopy bridge lding ce in rock ce in log 'fire dam ad tree (stag) of water post or stump g within canopy oound	$\frac{\mathbf{R}}{\mathbf{C}}$	Mot <b>Z E</b> Rain <b>Calc Calc </b>	on: n:	, 4 = , Rec , Rec , We, 3 F Z Z M E Y N OB OL OR OR OR OR OR OR OR OR DW RD TK UB UC UG	Full. ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located On beach sand On log On rock Over water On road ON trunk Under bark Upper canopy Undergrowth



Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
7/12		NÛ	trapped				

BIOSIS	

Harp Trap Survey Proforma

Project #: 420	0

Observer/s: GM, KG, JC & KUB

Site: Harp7

Location and timing								
MGA Zone: 56	Easting 298443		Northing 62/1531					
Map sheet Name: Appin	Map sheet number: 9029-1S		LGA: Wollondilly					
Date/Time Trap Set: 21:30	7.12.06	Date/Time Trap Dismantled: 08:00 8.12.06						
Location description: Gully	: Lown bo	Hom of trac	ke A West near					
creek, flyway 1	Location description: Gully: down bottom of track A West near creek, flyway running off road E-W							
	<b>_</b>		1 Night in location.					
Photos:								

Weather at start of survey	
Cloud cover: G/B	Moon: obscued by chear (near full)
Wind Direction and speed: Light breeze	Rain: ML
Temperature (°C): Mild	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full.

Date Captured	Sp. Code	Species Name	Sex	Age	Forearm (mm)	Wt (g)	Notes
No b						,	
		· · ·					

Hesp	(Crully)		
		Herpetofauna Survey	Project #: 4200
		Proforma	Observer: KJC
			Date: 6.12.06
	BIOSIS		Site ID: Herp 1

Location and timing	Start	Finish
MGA Zone: 56 Gully]	Easting <b>29</b> 8740	Easting
<b>3</b>	Northing 6211371	Northing
	Time (24 h): 13.23	Time (24 h): 13.53
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Gully	ste 1.	
	. The second	

Survey Details	
Number of surveyors?	Total effort (person hours)? 0-5
Number of hectares covered?	Person analysing calls? KJC
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·

Weather at start of survey	
Cloud cover: $6/8$	Moon: -
Wind Direction and speed:	Rain: -
Temperature (°C): $30 + °C$	
Comments:	

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full.

Obs	ervation types	2112년 1111년 - 1111년 - 1111년 1111년 - 1111년 -			
	Observed (sighted)	R	Road kill	F	Tracks, scratching
	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	С	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	L	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Species	Ob. type	Habitat type	Number		Easting	and the second sec	thing		racy
Skink sp.	0	IL	1	on	bank o	bove	Bver	nons	creek
Skink Sp. Eastern Woter Skink	0	OR	١	IN	bank o Brenn	anis	Cree	K.	
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						-			
							<u></u>		

Herp - Unly



Herpetofauna Survey
Proforma SNJERE ARDIN

Project #: 4200					
Observer: KJC					
Date: 6.12.06					
Site ID: Hern 2					

Location and timing	Start	Finish
MGA Zone: 56 Cully2	Easting 298324	Easting
Acuracy=8m	Northing 6211729	Northing
	Time (24 h): 15.58	Time (24 h): 16. 38
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: A+ Gu	Illy Ste 2	· · ·

Survey Details	
Number of surveyors?	Total effort (person hours)? 0 - 5
Number of hectares covered?	Person analysing calls? KTC

Weather at start of survey		
Cloud cover: 58	Moon:	
Wind Direction and speed:	Rain: –	,
Temperature (°C): 20		
Comments:		
and the second of the second	•	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full.

Observation types						
	Observed (sighted)	R	Road kill	F	Tracks, scratching	
W	Heard call	D	Dog kill	Z	In raptor/owl pellet	
X	In scat	С	Cat kill	<b>M</b>	Miscellaneous	
Т	Trapped or netted	V	Fox kill	E	Nest or roost	
H	Hair or feathers	S	Shot	Y	Bones or teeth	
A	Stranded/beached	Ι	Indirect evidence	N	Not located	
K	Dead	P	Scat	B	Burnt	

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	L	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Species	Ob. type	Habitat type	Number	Easting	Northing	Accuracy
Lampropholis delication	Ó	IL	1			
Species Lumpropholis delicatio Eastern Water Skink	Õ	14	۱			
				1		
					· · · · ·	
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H	Herpetofauna Survey			Project #: 4200		
22	roforma	-	Observer: RVB			
a sa an	loionna		Date:	8/12/06	•	
BIOSIS	CNTERE	HDG	Site ID:	Herp 3		
		<u> </u>			. <u></u>	
Location and timi	ing	Start		Fi	nish	
MGA Zone: 56	East	ing 2976	3 (	Easting		
	Nor	thing 6212	488	Northing		
	Tim	e (24 h): 9 ; <b>4</b>	5	Time (24 h):	10:45	
Map sheet Name:	Appin Mar	sheet number: 902	29-1S	LGA: Wollon	dilly	
Location description	on: West side	of Pam				

Survey Details		
Number of surveyors?		Total effort (person hours)?
Number of hectares covered	DEE 0.2	Person analysing calls?

Weather at start of survey Cloud cover: <b>3/4</b>	Moon: NA
Wind Direction and speed: Slight breeze	Rain: NIC
Temperature (°C): Mild	· · · ·
Comments:	
1. Contract (1997)	

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the

following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

	Observed (sighted)	R	Road kill	F	Tracks, scratching
	Heard call	D	Dog kill	Z	In raptor/owl pellet
	In scat		Cat kill	M	Miscellaneous
		V	Fox kill	E	Nest or roost
		S	Shot	Y	Bones or teeth
A	Stranded/beached	Ι	Indirect evidence		Not located
K	Dead	Р	Scat	B	Burnt

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LĊ	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Species	Ob. type	Habifat type	Number	Easting	Northing	Accuracy
Species Coppentail	0	14	l			
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Herpetofauna	Survey
Proforma	-

NTERE

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Project #: 4200 Observer: RVB Date: 14/12/06

Site ID: HERP R2 Herp04

5 10 M 20 10		I ,
Location and timing	Start	Finish
MGA Zone: 56	Easting 298299	Easting
	Northing 621)440	Northing
	Time (24 h): 17:20	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Tal	c A West - ridge	

Survey Details	
Number of surveyors?	Total effort (person hours)? $\mathcal{O} \cdot 5$
Number of hectares covered? 200-x 192-	Person analysing calls?

Weather at start of survey Cloud cover: 7-/9	Moon: N/A
Wind Direction and speed: Why breeze	Rain: W/_
Temperature (°C): Hot & humit	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full.

Obs	ervation types				
0_	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	
X	In scat	C	Cat kill	Μ	Miscellaneous
T		V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Ý	Bones or teeth
A	Stranded/beached	I	Indirect evidence	Ν	Not located
K	Dead	P	Scat	В	Burnt

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OŴ	Over water
CL	Crevice in log		In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Species	Ob. type	Habitat type	Number	Easting	Northing	Accuracy	
Lampropholis sp	0	OR	1	. •		could be L	Jelicatz
Species Lampropholis 5p - unknown :- Tike Clenston 10 Copper tail N80m	O	OR UR	1			could be L Dechables C with focke	appertail
						ł	
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BIOSIS Proforma	auna Survey		
Location and timing	Start		Finish
MGA Zone: 56	Easting 2985	63	Easting
	Northing 6212	217/	Northing
	Time (24 h): 18:1	5	Time (24 h): 18:45
Map sheet Name: Appin	Map sheet number: 9	029-1S	LGA: Wollondilly
Location description: Search area locate above a gully, or		Hair Tul	se around transect,
Survey Details			
Number of surveyors?		otal effort (per	
Number of hectares covered? 2	Sm x 25m MIN Pe robably more)	erson analysin	g calls? N/A
Weather at start of survey			
Cloud cover: 7/8		loon: N/	Ϋ́Α
Wind Direction and speed: Mod Temperature (°C): Mid	lerate breeze R	ain: No	one
Comments:			

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	Î	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BÚ	In building	IG	In grass	OR	On rock
СК	Crevice in rock	Ш	In tree hollow	OW	Over water
CL	Crevice in log	L I	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Species	Ob. type	Habitat type	Number	Easting	Northing	Accuracy
Copper-tailed Skink	٥	ur	1	Adult		
(( (( ((	Ô	UR		() ()	а ¹¹	
Lesueur's Veluet Gede Lampropholis sp. Copper-tailed Skirk Skink sp.	。0	ur	!	د(		
Lampropholis sp.	0	16	]	ų		
Copper-tailed Strik	0	UR		tr		
Skink sp.	0	ΙL	ļ	<u> </u>		
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## HAIR ANALYSIS

PROJECT: 4200 DATE:7/12/06

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	VA ·	MAMMAL SPECI	
No. 7	LOCATION	DEFINITE	PROBABLE
waters	Ridge site off Boundary Rd		
<u></u>	HG 1	(one fine hair)	(macropod)
2	HG2	(insect material)	
3	HG 3	(one hair)	(macropod)
4	HG 4	Wallabia bicolor	
5	HG 5	(insect material)	
6	HG 6	(insect material)	
7	HG 7	(few fine hairs)	Trichosurus sp.
8	HG 9	(insect material)	
	Ridge site main track		
9	HG 12	(insect material)	
10	HG 14	(plant fibres)	
11	HG 15	(plant fibres)	
12	HG 20	(plant fibres)	
	Gully site western side		
	Brennans Creek		
13	HG 21	Trichosurus sp.	
14	HG 22	(plant fibres)	
15	HG 27	(plant fibres)	
16	HG 29	Trichosurus sp.	
17	HG 30	(insect material)	
	Ridge site powerline easement		
18	HG 31	W. bicolor	
19	HG 32	(plant fibres)	
20	HG 33	(few rodent hairs)	Rattus sp.
21	HG 34	W. bicolor	
22	HG 35	(plant fibres)	
23	HG 36	(plant fibres)	
24	HG 37	(insect material)	
25	HG 38	(few rodent hairs)	Rattus sp
26	HG 39	(insect material)	
27	HG 40	(plant fibres)	

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Cmt				1				
<u>5</u>			MAMMAL SPECIES IDENTIFIED					
No. tapes	LOCATION	DEFINITE	PROBABLE					
tapes)	Ridge site							
28	HG 1	(insect material)						
29	HG 2	(plant fibres)						
30	HG 3	Trichosurus sp.		`				
31	HG 4	W. bicolor		/				
32	HG 5	(plant fibres)						
33	HG 6	(plant fibres)						
34	HG 7	(insect material)						
35	HG 8	(few fine hairs)	Trichosurus sp.	~				
36	HG 9	(insect material)						
37	HG 10	(plant fibres)						
	Ridge site							
38	HG 12	Trichosurus sp.		`				
39	HG_13	(plant fibres)						
40	HG 14	(plant fibres)						
41	HG 16	(few rodent hairs)	Rattus sp.					
42	HG 18	(insect material)						
43	HG 19	(plant fibres)						
	Gully site							
44	HG 21	Mus musculus						
45	HG 22	(plant fibres)						
46	HG 23	(insect material)						
47	HG 24	(plant fibres)						
48	HG 25	M. musculus						
49	HG 26	(plant fibres)						
50	HG 27	(few hairs – cat or fox)	Felis catus					
51	HG 28	(plant fibres)		— .				
52	HG 29	(plant fibres)						
53	HG 30	(few hairs – cat or fox)	Felis catus	— (				
	Ridge site							
54	HG 31	Trichosurus sp.		.				
55	HG 32	Trichosurus sp.		—––				
56	HG 34	(plant fibres)						
57	HG 35	(plant fibres)						
57 58	HG 36	(few fine hairs)	Trichosurus sp.					
<u>50</u> 59	HG 37	W. bicolor						
				`				
60	HG 38	(plant fibres)						
61	HG 39	(plant fibres)						
62	HG 40	W. bicolor		<u> </u>				

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				EN,
<u>.</u> .		MAMMAL SPECIES		<u>س</u> رّ ⁄
<u>No.</u>	LOCATION	DEFINITE	PROBABLE	
	Ridge site			
63	HT 1 L, M, H	(plant fibres) *		
64	HT 2 L, M, H	(plant fibres)		
65	НТ 3 Н, Н	(plant fibres)		
66	HT 4 B, M, TOP	(plant fibres)		
67	<u>HT 11 L, H, H</u>	(one hair)	Trichosurus sp.	\/
68	HT 12 L, H, H	(plant fibres)		
69	HT 13 L, H, H	(plant fibres)		
70	HT 14 L, H, H	(plant fibres)		
71	HT_15 L, H, H	(plant fibres)		
72	HT 16 L, H, H	Trichosurus sp.		
73	HT 17 H, H	(plant fibres)		
74	HT 18 L, H, hi	(plant fibres)		
75	ET 19 L	(plant fibres)		
76	HT 20 L, H, H	(few small dasyurid hairs)	Antechinus sp.	~
77	HT 21 L, H, H	(plant fibres)		
78	HT 22 H	(plant fibres)	<u> </u>	
	Gully site		-	
79	HT 5 L, base, Banksia	(plant fibres)		
80	HT 6 L, H, Banksia	Trichosurus sp.		/
81	HT 7 L, M, H	(plant fibres)		
82	HT 8 L, M, H	(plant fibres)		~
83	HT 9 L, L, H	(few small dasyurid hairs)	Antechinus sp.	$\neg$
84	HT 10L, L	(plant fibres)		
	~_ <u>_</u>	··		

* all these 'plant fibres' were hessian threads

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#### SCAT ANALYSIS

#### MAMMAL SPECIES IDENTIFIED

No.	DATE	LOCATION	SCAT	DEFINITE	PROBABLE
1	6/12/06	Gully 1 Scat 1	macropod	Wallabia bicolor	
2	6/12/06	Scat 2 EG1	macropod	W. bicolor	
3	7/12/06	Scat 3 b/w EG15 & EG16	macropod	W. bicolor	

		Start transect waypoint		End transect	t waypoint	
Hair tube type	Tube #	Easting	Northing	Easting	Northing	Nights sampled
Ground (large)	HG1-10	298106	6212968	297842	6212956	16
Ground (small)	HG1-10	298106	6212968	297842	6212956	16
Ground (large)	HG11-20	299151	6211579	298547	6211616	15
Ground (small)	HG11-20	299151	6211579	298547	6211616	15
Ground (large)	HG21-30	298370	6211525	298668	6211415	15
Ground (small)	HG21-30	298370	6211525	298668	6211415	15
Ground (large)	HG31-40	298488	6211906	298565	6212177	15
Ground (small)	HG31-40	298488	6211906	298565	6212177	15
Tree***	HT1	299243	6211618	-	-	10
Tree	HT2	299151	6211624	-	-	9
Tree	HT3	298990	6211607	-	-	9
Tree	HT4	298945	6211594	-	-	9
Tree	HT5	298511	6211565	-	-	9
Tree	HT6	298535	6211584	-	-	8
Tree	HT7	298359	6211532	-	-	7
Tree	HT8	298419	6211463	-	-	7
Tree	HT9	298469	6211506	-	-	7
Tree	HT10	298441	6211505	-	-	7
Tree	HT11	298129	6212895	-	-	4
Tree	HT12	298136	6212905	- 42	-	4
Tree	HT13	298145	6212933	- N 15	-	4
Tree	HT14	298101	6213030	-	-	4
Tree	HT15	298231	6211416	-	-	4
Tree	HT16	298206	6211434	-	-	4
Tree	HT17	298245	6211379	-	-	4
Tree	HT18	298277	6211405	-	-	4
Tree	HT19	298291	6211438	-	-	4
Tree	HT20	297762	6212023	-	-	4
Tree	HT21	297781	6212016	-	-	4
Tree	HT22	297808	6212002	-	-	4

*Ridge habitat was made up of both Exposed Sandstone Scribbly Gum Woodland and **Gully habitat was made up of both Sandstone Gully Apple Peppermint Forest and Sa ***All tree hair tube sets included 3 tubes in each tree, these usually comprised two high All waypoints are given in MGA zone 56

121) undershanged electronic opy:-

	Trapping Survey	Project #: 4200	
	Proforma	Observer: GM, JC, KJC, RVB	
		Date: 27.11.06 to 7/12/06	
BIOSIS		Trap ID: HT   (Hairtube Tree 1)	

Location and timing	Start	Finish
MGA AMC Zone: 56	Easting 299243	Easting
	Northing 6211618	Northing
	Time (24 h): 19:15 27:11.06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description:		
Track A Eas	t (ridge)	

Survey Details	
Date Traps set? 27 · II · 06	Date traps collected? $7/12/06$
Type of trap? Hair Tube (arboreal)	Dimension of traps (LxWxB)?
Number of traps? <b>\$ 3</b>	Interval between traps?
Length of transect?	Bait used? Rolled oats honey, peanut butter mix
	Honey spray.
Weather at start of survey	
Cloud cover: 8/8	Moon:
Wind Direction and speed: Light Breeze	Rain: Ni
Temperature (°C): $M_1 / J_2$	
Comments:	•

Cloud cover: Record cover in eights of sky

Observation types		
Observed (sighted)	<b>R</b> Road kill	<b>F</b> Tracks, scratching
W Heard call	<b>D</b> Dog kill	<b>Z</b> In raptor/owl pellet
X In scat	C Cat kill	M Miscellaneous
<b>T</b> Trapped or netted	<b>V</b> Fox kill	<b>E</b> Nest or roost
Hair or feathers	<b>S</b> Shot	Y Bones or teeth
A Stranded/beached	<b>I</b> Fossil/sub-fossil	Not located

Micro	habitat Type			L. Stal	
AC	Flying above canopy	<b>IB</b>	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date	Trap	Tuan							, 1
trap checked	no.	Trap position		Species MaMMa		Sex	Easting	Northing	Comments
			No	mamma	l ha	wr.			
	· .						1		
						_			
								• •	
		<u> </u>							

## HAIR TUBE TREE



## Trapping Survey Proforma

Project #: 4200					
Observer: JC, RVB, GM, KJC					
Date: 28.11.06 to 7/12/06					
Trap ID: H+2					

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting 299151	Easting
	Northing 6211624	Northing
	Time (24 h): 09:00 18.11.06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description:		
Track A East	r (ridge)	

Survey Details	
Date Traps set? 28,11-06	Date traps collected? 7/12/06
Type of trap? Hair Tube (arboreal)	Dimension of traps (LxWxB)?
Number of traps? 3	Interval between traps?
Length of transect?	Bait used? Roled outs Mix + Honey spray.

Weather at start of survey	
Cloud cover: $0/2$	Moon:
Wind Direction and speed: Ni	Rain: Ni
Temperature (°C): Hot + humid	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type	çar di k			
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	$\Pi_{I}$	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

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Date trap checked	Trap 'no.	Trap position	Species	Sex	Easting	Northing	Comments
			No mammal have				
						_	
					_		
							· · · ·

### HAIR JUBE TREE



Trapping Survey Proforma

Project #: 4200
Observer: RUBL JC
Date: $28/11/06 - 7/12/06$
Trap ID: HT3 (Haistube Tiee 3

Location and timing	Start	Finish		
MAG Zone: 56	Easting 298995	Easting		
	Northing 6211607	Northing		
	Time (24 h):	Time (24 h):		
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly		
Location description:				
Track A 6	East (ridge)			

Survey Details	
Date Traps set? 28/11/06	Date traps collected? 7/12/06
Type of trap? $\in H_{iot} \beta$	Dimension of traps (LxWxB)?
Number of traps? <b>3</b>	Interval between traps?
Length of transect?	Bait used? Roll of Da's honey & peanur but
	Honey spract
Weather at start of survey	
Cloud cover: NIL	Moon: —
Wind Direction and speed:	Rain: NIL
Temperature (°C): Hot & humid	
Comments:	

Cloud cover: Record cover in eights of sky

Observation types		
Observed (sighted)	Road kill	<b>F</b> Tracks, scratching
W Heard call	<b>D</b> Dog kill	<b>Z</b> In raptor/owl pellet
X In scat	Cat kill	M Miscellaneous
<b>T</b> Trapped or netted	<b>V</b> Fox kill	<b>E</b> Nest or roost
Hair or feathers	Shot	Y Bones or teeth
A Stranded/beached	<b>I</b> Fossil/sub-fossil	Not located

Micro	habitat Type	h. JW			
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	<b>IL</b>	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
			No mammal havi				

### HAIR TUBE TREE



## Trapping Survey Proforma

Project #: 4200				
Observ	ver: KJC, GM RUB, JZ			
	28-11.06 to 7/12/06			
Trap II				

Location and timing	Start	Finish		
MGA AMG Zone: 56	Easting 298945	Easting		
	Northing 6211594	Northing		
	Time (24 h): $13:00_{28} \cdot 1_{100}$	Time (24 h):		
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly		
Location description:				
Track A East	(ridge)			

Survey Details		
Date Traps set? 28.11.06,		Date traps collected? $71206$
Type of trap? Hair tube (a	(boreal)	Dimension of traps (LxWxB)?
Number of traps? 3		Interval between traps?
Length of transect?		Bait used? Rolled oats nix + hone, son

Q	
Weather at start of survey	
Cloud cover: 1/8	Moon:
Wind Direction and speed: Light breeze	Rain: N
Temperature (°C): Hot + Uhumid	
Comments:	

Cloud cover: Record cover in eights of sky

Obs	Observation types						
0	Observed (sighted)	R	Road kill	F	Tracks, scratching		
W	Heard call	D	Dog kill	Z	In raptor/owl pellet		
X	In scat	С	Cat kill	M	Miscellaneous		
T	Trapped or netted	V	Fox kill	E	Nest or roost		
H	Hair or feathers	S	Shot	Y	Bones or teeth		
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located		

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	L	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WE	Waterhole

Date trap checked	Trap no.	Trap position	Species		Sex	Easting	Northing	Comments
			No mammal	hair				
				_				
							· · · · ·	
								н.



Project #: 4200						
Observer: KJC, am, RUB, JZ						
Date: 28.11.06 to 7/12/06						
Trap ID: HT5						

Location and timing	Start	Finish					
MGA AMG Zone: 56	Easting 298511	Easting					
	Northing 6211565	Northing					
	Time (24 h):	Time (24 h):					
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly					
Location description:							
Gully (acces	s of end of Track A	East).					

Date Traps set? 28.11.06	Date traps collected? $\mathcal{F}(2 \mathfrak{P} 6)$
Type of trap? Hair Tube (accored).	Dimension of traps (LxWxB)?
Number of traps? 3 (all at base)	Interval between traps?
Length of transect?	Bait used? Colled oats mix + Loney 51

Weather at start of survey	
Cloud cover: $7/8$	Moon:
Wind Direction and speed: Light breeze	Rain: None
Temperature (°C): bot + build	
Comments:	

Cloud cover: Record cover in eights of sky

Obse	Observation types						
<b>O</b>	Observed (sighted)	R	Road kill	F	Tracks, scratching		
W	Heard call	D	Dog kill	Z	In raptor/owl pellet		
X	In scat	С	Cat kill	M	Miscellaneous		
T	Trapped or netted	v	Fox kill	E	Nest or roost		
Ħ	Hair or feathers	S	Shot	Y	Bones or teeth		
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located		

Microl	nabitat Type	Cina e			
AC	Flying above canopy	<b>İB</b>	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
			No mammal hair				
	<u> </u>						

## HAIR TUBE TREE



Irapping	Survey
Proforma	

Project #: 4200	
Observer: GWH, KJC, JC, RUB	
Date: 29.11.06 - 7/12/06	
Trap ID: HT6	

Location and timing	Sta	<u>rt</u>	Finish
MGA AMGZone: 56	Easting 298	535	Easting
	Northing 621	1584	Northing
	Time (24 h):    :	3019.11.06	Time (24 h):
Map sheet Name: Appin	Map sheet number		LGA: Wollondilly
Location description:			
track A East	(curly).	tree on	LHS of track of gully.
		at top	of gully.
1 1194 101 0000 0 4004000 00 - 1001 10 0 0 - 1 0 0 1 0 0 4 1			
Survey Details			
Date Traps set? 29.11.06			cted? $7 1206$
Type of trap? Hair Tube	(arboreal)	Dimension of tr	aps (LxWxB)?
Number of traps? 3		Interval between	n traps?
Length of transect?		Bait used? Rc	led arts nix + honey sp
Weather at start of survey	•		
Cloud cover:	<u>ne e</u> nterritiste stêt "Albên", 2. dêrdêdd	Moon:	ene e en antra d <u>e l</u> a terra d'hittika di <b>terra de la seria de</b> la seria de la s Seria de la seria
Wind Direction and speed:	1000	Rain: Vi	
Temperature (°C):	trong		
Comments:		·	

Cloud cover: Record cover in eights of sky

Obse	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	С	Cat kill	M	Miscellaneous
Т	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	L	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
LIIELKEU	H+6	Tree	Trichosurus sp.		vyd∰CddinCheddddy, 2, 33Cdd Av	<u>1999 - 11 - 1999 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1</u>	Definite
					• . •		

#### HAIR TUBE TREE



Project #: 4200						
Obser	ver: KJC, RVB, JC, GWM					
Date:	30.11.00 - 7/12/06					
Trap ID: HT# 7						

Location and timing	Start	Finish
Mult ADAG Zone: 56	Easting 298359	Easting
	Northing 6211532	Northing
	Time (24 h): 17:30 30 11:06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description:		
Track A West -	Cully - LHS of tra	ck when facing creek

Survey Details	
Date Traps set? 30.11.04	Date traps collected? 7 (206
Type of trap? Hair Tube (arboreal)	Dimension of traps (LxWxB)?
Number of traps? 3	Interval between traps?
Length of transect?	Bait used? Rolled ants main + honey spray
Weather at start of survey	
Cloud cover: $8/8$	Moon:
Wind Direction and speed; Light breeze	Rain: None
Temperature (°C): Mild	
Comments:	

Cloud cover: Record cover in eights of sky

Obs	ervation types				
0	Observed (sighted)	R	Road kill	E	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	<b>E</b>	Nest or roost
Ħ	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	Í	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IŴ	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comm
			No mammal have	-			
-							
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Project #: 4200							
Observer: GWM, KJC, RUB, JZ							
Date: 30.11.06 - 71,206							
Trap ID: H⊤8							

Location and timing	Start	Finish					
MGA AMG Zone: 56	Easting 298419	Easting					
	Northing 6211463	Northing					
	Time (24 h): 18:10 30.11.06	Time (24 h):					
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly					
Location description:							
Track A West - Cully - RHS of track when facing creek, approx. opposite ET7.							

Survey Details	
Date Traps set? 30.11.06	Date traps collected? 7 12 06
Type of trap? Hair Tube (arbored)	Dimension of traps (LxWxB)?
Number of traps? 3	Interval between traps?
Length of transect?	Bait used? Rolled outs mix + honey spran

Weather at start of survey	
Cloud cover: 8/g	Moon:
Wind Direction and speed: None	Rain: Nore
Temperature (°C): Mild	
Comments:	

Cloud cover: Record cover in eights of sky

Obs	Observation types						
0	Observed (sighted)	R	Road kill	F	Tracks, scratching		
W	Heard call	D	Dog kill	Z	In raptor/owl pellet		
X	In scat	C	Cat kill	M	Miscellaneous		
T	Trapped or netted	V	Fox kill	E	Nest or roost		
H	Hair or feathers	S	Shot	Y	Bones or teeth		
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located		

Micro	habitat Type	n nin k			
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	I	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	B	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species		Sex	Easting	Northing	Comments
			No mammal	hair			2.119.12.119.12.2.119.12.2.	
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### HAIR TUBE TREE



# Trapping Survey Proforma

Project #: 4200								
Observer: RVG,	GWM, KJC, JC							
Date: 30.11.0	6 -7/12/06							
Trap ID: HT	9							

Location and timing	Start	Finish		
MGA AMG-Zone: 56	Easting 298469	Easting		
	Northing 6211506	Northing		
	Time (24 h): 19:25 30-11-06	Time (24 h):		
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly		
Location description: Track A West -	Cully - RHS of tra	ck when facing creek		
	Furthest in.			

Survey Details	
Date Traps set? 30 11 06	Date traps collected? 71206
Type of trap? Hair Tube (arboreal)	Dimension of traps (LxWxB)?
Number of traps? 3	Interval between traps?
Length of transect?	Bait used? Rolled out mix + honey spran
Weather at start of survey	
Cloud cover: 8/8	Moon:
Wind Direction and speed: , Stil	Rain: NON2
Temperature (°C): Mild	
Comments:	

Cloud cover: Record cover in eights of sky

Obs	ervation types				
Ó	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
Т	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL.	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
	HT9	Tree Gully	Antechinus sp.				Probable.
		/	1				



Project #: 4200
Observer: RUB, GWM, KJC, JC
Date: 30-11-00 to 7/12/06
Trap ID: HT - 10

Location and timing	Start	Finish
MGA -AMG Zone: 56	Easting 298441	Easting
	Northing 6211565	Northing
	Time (24 h): 20: 30 30' 11-06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Track A West - (	Cully - RHS of trac closest to to	ik when facing creek, ack

Survey Details	
Date Traps set? 30.11.06	Date traps collected? $7/12/06$
Type of trap? Hair Tube (arboreal)	Dimension of traps (LxWxB)?
Number of traps? 3	Interval between traps?
Length of transect?	Bait used? Rolled outs mix + honey spran

Weather at start of survey	
Cloud cover: 8/8	Moon: Halt
Wind Direction and speed: 5511	Rain: None
Temperature (°C): Mild	
Comments:	
· ·	

Cloud cover: Record cover in eights of sky

Obse	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
Т	Trapped or netted	V	Fox kill	E	Nest or roost
Ħ	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position		Sex	Easting	Northing	Comments	
	2		No mammal	hair				
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Project #: 4200
Observer: KJC & RVB
Date: 11/12/06 - 15/12/06
Trap ID: HT H

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting 298(29	Easting
	Northing 6212895	Northing
	Time (24 h): /0 ; 30	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: $206$	E- sealed road off	boundary track

Type of trap? The hair fulses Dir Number of traps? 3 Inte	te traps collected? 1512 06
Number of traps? 3 Inte	
	nension of traps (LxWxB)?
	erval between traps?
Length of transect? — Bai	

Weather at start of survey	
Cloud cover: $\mathcal{O}$	Moon: N/A
Wind Direction and speed: NIL	Rain: NIL
Temperature (°C): Hot & hunid.	
Comments: RIDGE - Jarred	

Cloud cover: Record cover in eights of sky

Obs	Observation types							
0	Observed (sighted)	R	Road kill	F	Tracks, scratching			
W	Heard call	D	Dog kill	Z	In raptor/owl pellet			
X	In scat	C	Cat kill	M	Miscellaneous			
$\mathbf{T}$	Trapped or netted	V	Fox kill	E	Nest or roost			
H	Hair or feathers	S	Shot	Y	Bones or teeth			
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located			

Microl	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	<b>I</b>	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
	HTI	The second s	Trichosurus sp.	<u></u>	<u>a ang ported va hing para - , que a sera</u>	enerige, annært o <u>f en bedens er der och et a</u>	Comments Pobab(
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Project	<b>#: 4200</b>
Observe	r: KJC / EVB
Date:	112/06-15/12/06
	HT12

Location and timing	Start	Finish
MLA AMG Zone: 56	Easting 298136	Easting
	Northing 6212905	Northing
	Time (24 h):    : 0:0	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: PIDC	E - tarreed road off	boundary track

Survey Details	
Date Traps set? $1/12/06$	Date traps collected? 15 12 04
Type of trap? TREE HAIR TUBE	Dimension of traps (LxWxB)?
Number of traps? 3	Interval between traps?
Length of transect?	Bait used? rolled oats honey plannt but

Weather at start of survey	
Cloud cover: 🖉	Moon: $N/f$
Wind Direction and speed: NIL	Rain: NIL
Temperature (°C): Hot & humid	
Comments:	

Cloud cover: Record cover in eights of sky

Obs	Observation types							
0	Observed (sighted)	R	Road kill	F	Tracks, scratching			
W	Heard call	D	Dog kill	Z	'In raptor/owl pellet			
X	In scat	C	Cat kill	M	Miscellaneous			
Т	Trapped or netted	V	Fox kill	E	Nest or roost			
H	Hair or feathers	S	Shot	Y	Bones or teeth			
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located			

Micro	habitat Type	Ada			
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	IL.	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	ТК	ON trunk
DT	In dead tree (stag)	<b>1S</b>	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR .	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

<b>Trapping</b> <b>Proforma</b>	•	Project #: 4200 Observer: $1/2/06 - 15/12/06$ Date: $11/12/06 - 15/12/06$		
**************************************	3 JAN 2006	Trap ID:	打13	
Location and timing			Finish	
MCA AMG Zone: SC	Easting 298 (	£5	Easting	
	Northing 6212	933	Northing	
	Time (24 h):		Time (24 h):	
Map sheet Name: Appin	Map sheet number: 902	29-1S LGA: Wollondilly		
	월동성향 글스러는 · 시 기·· (3 · · 남편· * · 기· 1) 전기			
Survey Details Date Traps set? ( /12-106	<u>∳ + ,                                  </u>	e traps colle	cted? (S) (2/06	
Date Traps set? (1/12/06 Type of trap? HATE TUB		<u> </u>		
Number of traps? 3	Inte	Dimension of traps (LxWxB)?		
Length of transect?		Bait used? rolled outs honey peand be		
Weather at start of survey				
Cloud cover: NIL	Mo	on:	te Breben, labor overtet, onest "tossendel", a specielita a porte of tossende sout	
	NL Rai	n:		
Temperature (°C):				
Comments:				

Cloud cover: Record cover in eights of sky

Obse	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	Μ	Miscellaneous
Т	Trapped or netted	V	Fox kill	E.	Nest or roost
Ē	Hair or feathers	S	Shot	Y	Bones or teeth
.A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

ALL .	<b>Trapping Survey</b>
	Proforma

BIOSÏS

Project #: 4200 Observer: KJC & RUBDate: 11/12/06 - 15/12/06

**Trap ID:** +/-14

Location and timing	Start	Finish				
MUN AMG Zone: 56	Easting 29810(	Easting				
	Northing 6213030 Northing					
	Time (24 h):	Time (24 h):				
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly				
Location description: tarred road off boundary track						

Survey Details	
Date Traps set? $1/12/06$	Date traps collected? (\$/12/06
Type of trap? TREE CLUOT B	Dimension of traps (LxWxB)?
Number of traps?	Interval between traps? —
Length of transect? ~	Bait used? rolled oaks honey peaned by

Weather at start of survey	
Cloud cover: NL	Moon: N/A
Wind Direction and speed: NLL	Rain: NIL
Temperature (°C): Hot & humid	
Comments:	

Cloud cover: Record cover in eights of sky

Obse	Observation types					
0	Observed (sighted)	R	Road kill	F	Tracks, scratching	
W	Heard call	D	Dog kill	Ζ	In raptor/owl pellet	
X	In scat	C	Cat kill	M	Miscellaneous	
Т	Trapped or netted	V	Fox kill	E	Nest or roost	
H	Hair or feathers	S	Shot	Y	Bones or teeth	
A	Stranded/beached	1	Fossil/sub-fossil	N	Not located	

Micro	habitat Type					
AC	Flying above canopy	B	In burrow	OB	On beach sand	
BR	In/on bridge	IC	In cave	OL	On log	
BU	In building	IG	In grass	OR	On rock	
СК	Crevice in rock	IH	In tree hollow	OW	Over water	
CL	Crevice in log	IL	In litter	RD	On road	
DA	Farm/fire dam	IR	In reeds	ТК	ON trunk	
DT	In dead tree (stag)	IS	In soil	UB	Under bark	
EW	Edge of water	IT	In live tree	UC	Upper canopy	
FC	In/on post or stump	IW	In water	UG	Undergrowth	
FL	Flying within canopy	LC	Lower canopy	UL	Under log	
GR	On ground	LS	Low shrub	UR	Under rock	
HS	High shrub	MC	Mid canopy	WH	Waterhole	

BIC	DSIS

 Project #: 4200

 Observer: C C & EVB 

 Date:  $|1|_{12}/06 - 15|_{12}|_{06}$  

 Trap ID: HTIS RIDGE

Location and timing	Start	Finish		
MGA -AMG Zone: 56	Easting 298231	Easting		
	Northing 6211416	Northing		
	Time (24 h):	Time (24 h):		
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly		
Location description:	DGE: Track A U	Vest		

Survey Details	
Date Traps set? 11/12/06	Date traps collected? $15/12/06$
Type of trap? TREE HAIR TUBE	Dimension of traps (LxWxB)?
Number of traps?	Interval between traps? —
Length of transect?	Bait used? rolled sats honey pearul but

Weather at start of survey	
Cloud cover: NIL	Moon: N/A
Wind Direction and speed: NIL	Rain: NIL
Temperature (°C): 124 & humid	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obse	Observation types					
0	Observed (sighted)	R	Road kill	F	Tracks, scratching	
W	Heard call	D	Dog kill	Z	In raptor/owl pellet	
X	In scat	- <b>C</b>	Cat kill	M	Miscellaneous	
Т	Trapped or netted	V	Fox kill	E	Nest or roost	
H	Hair or feathers	S	Shot	Y	Bones or teeth	
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located	

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	П	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS .	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

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·		Project #: 4200				
Trapping	Survey					
Proforma		Observer: KUCS FVB				
	<u></u>	Date: \	112/06-15/12/06			
	TEREN	Trap ID: 11-TIG RIDGE				
Location and timing	Start		Finish			
MGA AMOZONE: 56	Easting 2982	06	Easting			
	Northing 620	434	Northing			
	Time (24 h):		Time (24 h):			
Map sheet Name: Appin	Map sheet number: 90	)29-1S	LGA: Wollondilly			
Location description:	ik A West					
Survey Details						
Date Traps set? $1/12/06$	Da	te traps colle	cted? (5/12/06			
Type of trap? TREE HATR		Dimension of traps (LxWxB)?				
Number of traps?		Interval between traps?				
Length of transect?	Ba	it used? to	ed outs honey peaned bu			

Moon: $N/A$
Rain: NIL

<u>k-</u>

Cloud cover: Record cover in eights of sky

6

Obs	Observation types							
0	Observed (sighted)	R	Road kill	P	Tracks, scratching			
W	Heard call	D	Dog kill	Z	In raptor/owl pellet			
X	In scat	С	Cat kill	M	Miscellaneous			
T	Trapped or netted	V	Fox kill	Ē	Nest or roost			
Ħ	Hair or feathers	S	Shot	Y	Bones or teeth			
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located			

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	,IL	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	<b>1</b> S	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
	НПЬ	Thee ridge	Trichosuvus sp.			generaldada da da 1970 weista	Definite
						,	
		· ·					
					_		

	Trapping Survey
	Proforma
<b>`S</b>	2 3N JAR DOG

RIOS

Project #: 4200 Observer:  $E_{TC} + RVB$ Date: (1/12/06 - 15/12/06)Trap ID: HT17 (BIOGE)

Location and timing	Start	Finish
AMG Zone:	Easting 238245	Easting
	Northing 6211379	Northing
	Time (24 h): 11/12/06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: TRAC	c A west - Ridge.	
N.,		

Survey Details	
Date Traps set? (1/12/06	Date traps collected? 12/06
Type of trap? TREE HAVE TUBES	Dimension of traps (LxWxB)?
Number of traps? <b>3</b>	Interval between traps?
Length of transect? —	Bait used? POLLED OFTS HINEY / PCANNT

Weather at start of survey	
Cloud cover:	Moon: N/A
Wind Direction and speed: Link breeze	Rain: NIL
Temperature (°C): Hot	
Comments:	

Cloud cover: Record cover in eights of sky

Obs	Observation types							
0	Observed (sighted)	R	Road kill	F	Tracks, scratching			
W	Heard call	D	Dog kill	Z	In raptor/owl pellet			
X	In scat	C	Cat kill	M	Miscellaneous			
T	Trapped or netted	V	Fox kill	Ê	Nest or roost			
H	Hair or feathers	S	Shot	Y	Bones or teeth			
A	Stranded/beached	Ì	Fossil/sub-fossil	N	Not located			

Micro	habitat Type	ir au a			
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	1G	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	Ţ <b>Ļ</b>	In litter	RD	On road
DA	Farm/fire dam	'R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole



### Trapping Survey Proferma 日本語版

Project #: 4200
Observer: KJC & RVB
Date: 11/12/06 - 15/12/06
Trap ID: $HT_{18}$

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting 298272	Easting
	Northing 6211405	Northing
	Time (24 h):	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description:	A West	

Survey Details	
Date Traps set? $11/12/66$	Date traps collected? 19 12 0 6
Type of trap? TREE HATE TUBES	Dimension of traps (LxWxB)?
Number of traps? 3	Interval between traps? —
Length of transect? -	Bait used? rolled outs horey permiting
Weather at start of survey	
Cloud cover: 8/6	Moon: $N/A$
Wind Direction and speed: breeze	Rain: NIL
Temperature (°C): Hot	
Comments:	

Cloud cover: Record cover in eights of sky

Obse	ervation types			hand.	
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
Ŵ	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	С	Cat kill	M	Miscellaneous
Т	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	<b>IB</b>	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	<b>OW</b>	Over water
CL	Crevice in log	E	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

	Trapping Survey	Project #: 4200				
- <b>N</b>	Proforma	Observer: KJC & RVB				
<u></u>		Date: 11/12/06 -15/12/06				
<b>SIS</b> * * *	ENTERE D	Trap ID: HT19				
	line -					

Location and timing		Finish
MGA AMGZone: 56	Easting 298291	Easting
	Northing 6277438	Northing
	Time (24 h):	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description:	RACKA WEST	

Survey Details	
Date Traps set? 1/12/06	Date traps collected? 151206
Type of trap? TREE HATR TUBES	Dimension of traps (LxWxB)?
Number of traps? 3	Interval between traps?
Length of transect?	Bait used? alled sats honey pearent

Weather at start of survey	
Cloud cover: SS	Moon: N/A
Wind Direction and speed: breeze	Rain: NIL
Temperature (°C): ho+	
Comments:	

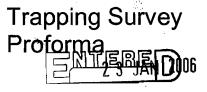
Cloud cover: Record cover in eights of sky

Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
Т	Trapped or netted	V	Fox kill	• <b>E</b>	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	Ш	In tree hollow	OW	Over water
CL	Crevice in log	IL.	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	<b>1S</b>	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

-ELHOT TREE -RIDGE HAIRTUBE





Project #: 4200
Observer: RVB /KJC
Date: 11/12/06 - 15/12/06
Trap ID: HT 20 (RIDGE)

Location and timing	Start	Finish						
MGA AMEZone: 56	Easting 297762	Easting						
Saved as ET20.	Northing 6212023	Northing						
	Time (24 h): 11 12 06 6.00 Map sheet number: 9029-1S	Time (24 h):						
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly						
Location description: Easement track west - Ridge site								

Survey Details	
Date Traps set? 11/12/06	Date traps collected? IS/12/06
Type of trap? Hally tube	Dimension of traps (LxWxB)?
Number of traps? 3	Interval between traps? NA
Length of transect? NA	Bait used? Kolled Oats + honey spran

Weather at start of survey	
Cloud cover: 8/8	Moon: 2 ?
Wind Direction and speed: Slight breeze	Rain: spitting + thunder
Temperature (°C): HoT !	
Comments:	

Cloud cover: Record cover in eights of sky

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Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	С	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Microhabitat Type							
AC	Flying above canopy	B	In burrow	OB	On beach sand		
BR	In/on bridge	IC	In cave	OL	On log		
BU.	In building	IG	In grass	OR	On rock		
СК	Crevice in rock	IH	In tree hollow	OW	Over water		
CL	Crevice in log	I	In litter	RD	On road		
DA	Farm/fire dam	R	In reeds	TK	ON trunk		
DT	In dead tree (stag)	IS	In soil	UB	Under bark		
EW	Edge of water	ľT	In live tree	UC	Upper canopy		
FC	In/on post or stump	IW	In water	UG	Undergrowth		
FL	Flying within canopy	LC	Lower canopy	UL	Under log		
GR	On ground	LS	Low shrub	UR	Under rock		
HS	High shrub	MC	Mid canopy	WH	Waterhole		

Date trap checked	Trap no.	Y Trap position	Species	Sex	Easting	Northing	Comments
	HT ZO HT	Ridge	dasyuvid sp.			<u> </u>	Definite Prebable
	HT 20	Ri age thee	dasyuvid sp. Antechinus sp.				Probable
			ļ				

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Project #: 4200					
Observer: KJC, RVB					
Date: [[]	12/06-15/12/06				
Trap ID:	HT21 (RIDGE)				

Location and timing	Start	Finish				
MUA AMG Zone: 56	Easting 297781	Easting				
Saved as ET21-D	Northing 6212016	Northing				
	Time (24 h): 11 12 06 16.00	Time (24 h):				
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly				
Location description: Equevent track west - Ridge. 23 m from HTZO.						

Survey Details	
Date Traps set? 11 12 06	Date traps collected? 15/12/06
Type of trap? Henry Tube	Dimension of traps (LxWxB)?
Number of traps? <b>3</b>	Interval between traps? N/A
Length of transect? N A	Bait used? (olled oats + Honen spran

Weather at start of survey	
Cloud cover: 8 8	Moon: ?
Wind Direction and speed:	Rain: south is
Temperature (°C): Hot 30 +	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	Observation types				
O	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	<b>M</b>	Miscellaneous
T	Trapped or netted	V	Fox kill	B	Nest or roost
Ħ	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Microl	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log		In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	Ī	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole



Trapping Survey Proforma

Project #: 4200				
Observer: KJC/RUB				
Date: 11/12/06-15/12/06				
Trap ID: HT22 (RIDGE)				

Location and timing	Start	Finish
AMG Zone: 56	Easting 297808	Easting
Saved as ETZZ	Northing 6212002	Northing
	Time (24 h): 1/12/06 - 20 Map sheet number: 9029-18	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
	ent track west - Ridg	٤

Survey Details	
Date Traps set? 11 12 06	Date traps collected? 15/12/06
Type of trap? Haw tube	Dimension of traps (LxWxB)?
Number of traps? 3	Interval between traps? N/A
Length of transect?	Bait used? folled oats + Longer spray

weather at start of survey	
Cloud cover: 8 8	Moon:
Wind Direction and speed: 1	Rain: O
Temperature (°C): Hot	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obse	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	<b>IL</b>	In litter	RD	On road
DA	Farm/fire dam		In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

AIK	TUBE GROU	ND (LGE)	- Kidge	•			
	BIOSIS		Survey	Project # Observe Date: 2 Trap ID:	r: p s/11/0	HAPVB	<i>∓[i</i> 2/06
	Location and	l timing	Start			Finish	
	AMG Zone:		Easting 2981	$0 \begin{bmatrix} C, PS_{\#S} \\ 002 \end{bmatrix}$	Eastin	g 297842	6P5#5 WP#4
			Northing 6212	968	Northi	$\log 627295$	
			Time (24 h): 8.00	)	Time (	(24 h):	
	Map sheet Na	me: Appin	Map sheet number: 90	29-1S	LGA:	Wollondilly	
	Location desc	ription: Transe idge-	Map sheet number: 90 act set perpend n is off bounder	licular to zy track	tors.	ealed track	
	Survey Detai						
	Anno Anno Anno Anno Anno Anno Anno	t? 28 11/06	Dat	te traps colle	cted?	14/12/06	

Survey Petans		
Date Traps set? Z8 11/06	Date traps collected? 41206	•
Type of trap? Lange hair habe (ground)	Dimension of traps (LxWxB)?	
Number of traps?	Interval between traps? $\sim 30$ m	
Length of transect? $\sim 300 \mu$	Bait used? rolled oak hoven & promit Lout	e.

Moon: —

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
Т	Trapped or netted	V	Fox kill	E	Nest or roost
Ĥ	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	<b>OB</b>	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water		In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

,	Res	ults for	on Borbara Tr	nags	hair	analys	·3.
Date trap checked	Trap no.	Trap position	Species	Sex	Easting	<i>J</i> Northing	Comments
	нсі	G	Macropod sp.				Probable
	наз	G	11 ce				61
	HG 4	G	<i>Wallabia bicolor</i> Trichosurus sp.				Definite Probable
	HG7	G	Trichosurus sp.				Probable
		(					
		-					

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### HAIR TUBE GROUND (SML) - Kidge



Trapping Survey Proforma

Project #: 4200	
Observer: RH& RVB	
Date: 28/11/06 -14/12/06 7/12	105
Trap ID: HG 1-10 (small)	•

Location and timing	Start	Finish
AMG Zone:	Easting 298106	Easting 297842 "
	Northing 6212963	Northing 6212556
	Time (24 h): \\$ : 30	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description:	· · · · · · · · · · · · · · · · · · ·	

Ridge

Survey Details	
Date Traps set? 28/11/06	Date traps collected? 41206
Type of trap? Small hair hose ( ground)	Dimension of traps (LxWxB)?
Number of traps? [O	Interval between traps? $\sim 30^{\circ}$
Length of transect? ~ 200m	Bait used? rolled outs honey & peaned be

Weather at start of survey	
Cloud cover: $\overline{\mathcal{A}}/g$	Moon: -
Wind Direction and speed: NEI	Rain: NIL
Temperature (°C): 35	
Comments: 1404 & humid	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types			
0	Observed (sighted)	<b>R</b> Road kill	<b>F</b> Tracks, scratching	
W	Heard call	<b>D</b> Dog kill	In raptor/owl pellet	
X	In scat	<b>C</b> Cat kill	Miscellaneous	
T	Trapped or netted	V Fox kill	<b>E</b> Nest or roost	
H	Hair or feathers	S Shot	Y Bones or teeth	
A	Stranded/beached	<b>I</b> Fossil/sub-fossil	Not located	

Micro	habitat Type		in set		
AC	Flying above canopy	IB	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	$\mathbf{I}$	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	ŪL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date rap ecked	Trap no.	Trap position	<u>From Barbara</u> Species	U Sex	Easting	Northing	Comments
	HG3	G.	Trichosurus sp. Wallabia bicolor Trichosurus sp.				Definite
	HG4	G	Wallabia bicolor				u Probable
	HGB	G	Trichorurus sp.				Probable
			. /				
				_			

A Str	Trapping	Surv	vev	Project #	: 42	00
	Proforma			Observer	: K	VB, JC, GH, KJC
	1 10101110	L	· · · ·	Date: 90	7.11	
BIOSIS				Trap ID:		2 11 - 20 (Large)
	KREE					a <u>11 20 (lange)</u>
Location and	timing		Start			Finish
MGA AMG Zone:	<l< td=""><td></td><td>WP Hall+</td><td></td><td></td><td>WP Hall + END</td></l<>		WP Hall+			WP Hall + END
2011C.	<u> </u>	Eastin	1g 2991		East	ting 298547
				579		
		North	ing 6 2 1 1		Nor	thing 6211616
		Time	(24 h): 10:20	29-11-06	Tim	ne (24 h):
Map sheet Na		Map s	heet number: 902	29-18	LG	A: Wollondilly
Location desc	•					· with cage traps
Tra	ack A Ea	st	(Ridge)			with lage traps
(*						
Survey Detai	ls					
Date Traps set				te traps collec		
Type of trap?		e(a		nension of tra		
Number of tra	•					s? ~ 25-30m
Length of tran		_		t used? Kolled		as honey peanut
Weather at s	tart of survey				<u>i i i fe</u>	
Cloud cover:	0/8	<u> </u>	Mo		_	
	on and speed: M60	lerate.	- Strong Rai	<u>n: None</u>		
Temperature (	(°C): Hot					
Comments:						
Comments:	cord cover in eights	of sky				
Comments: Cloud cover: Re Moon: Record u	cord cover in eights sing the following c	odes: 0=				
Comments: Cloud cover: Re Moon: Record u Wind direction a	cord cover in eights sing the following c and speed: Record w	odes: 0= vind direc	ction to the nearest	cardinal point.	Reco	ord wind speed using the
Comments: Cloud cover: Re Moon: Record u Wind direction a	cord cover in eights sing the following c and speed: Record w	odes: 0= vind direc	ction to the nearest	cardinal point.	Reco	
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: Observation	cord cover in eights sing the following c and speed: Record w 0 = calm, 1 = light	odes: 0= vind direc	ction to the nearest ustle, 2 = moderate	cardinal point.	Reco 7e, 3	erd wind speed using the = strong, tops of trees move.
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: Observation O Observe	cord cover in eights sing the following c and speed: Record w 0 = calm, 1 = light types ed (sighted)	odes: 0= vind direc , leaves r	ction to the nearest ustle, 2 = moderate Road kill	cardinal point. e, branches mov	Reco /e, 3	erd wind speed using the = strong, tops of trees move. Tracks, scratching
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: Observation O Observe W Heard c	cord cover in eights sing the following c and speed: Record w 0 = calm, 1 = light types ed (sighted)	odes: 0= vind direc , leaves r R D	tion to the nearest ustle, 2 = moderate Road kill Dog kill	cardinal point. e, branches mov	Reco re, 3	Tracks, scratching In raptor/owl pellet
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: <b>Observation</b> O Observe W Heard c X In scat	cord cover in eights sing the following c and speed: Record w to = calm, 1 = light types ed (sighted) all	odes: 0= rind direc , leaves r R D C	tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill	cardinal point. e, branches mov	Reco /e, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: <b>Observation</b> O Observe W Heard c X In scat T Trapped	cord cover in eights sing the following c and speed: Record w 0 = calm, 1 = light types ed (sighted) all l or netted	odes: 0= vind direc leaves r R D C V	tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill	cardinal point. e, branches mov	Reco ze, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: Observation O Observe W Heard c X In scat T Trapped H Hair or	cord cover in eights sing the following c and speed: Record w 0 = calm, 1 = light types ed (sighted) all l or netted feathers	odes: 0= vind direc , leaves r R D C V S	tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot	cardinal point. e, branches mov	Reco 7e, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: Observation O Observe W Heard c X In scat T Trapped H Hair or	cord cover in eights sing the following c and speed: Record w 0 = calm, 1 = light types ed (sighted) all l or netted	odes: 0= vind direc leaves r R D C V	tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill	cardinal point. e, branches mov	Reco 7e, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: Observation O Observe W Heard c W Heard c X In scat T Trapped H Hair or A Stranded	cord cover in eights sing the following c and speed: Record w 0 = calm, 1 = light types cd (sighted) all l or netted feathers d/beached	odes: 0= vind direc , leaves r R D C V S	tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot	cardinal point. e, branches mov	Reco ze, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: Observation O Observe W Heard c X In scat T Trapped H Hair or A Stranded Microhabitat	cord cover in eights sing the following c and speed: Record w to = calm, 1 = light types ed (sighted) all l or netted feathers d/beached	odes: 0= vind direc , leaves r R D C V S I	tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Fossil/sub-fossi	cardinal point. e, branches mov	Reco ze, 3	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: Observation O Observe W Heard c X In scat T Trapped H Hair or A Stranded Microhabitat AC Flyin	cord cover in eights sing the following c and speed: Record w to = calm, 1 = light types cd (sighted) all d or netted feathers d/beached type g above canopy	odes: 0= vind direc leaves r R D C V S I IB	tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Fossil/sub-fossi	cardinal point. e, branches mov	Recci re, 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located On beach sand
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: Observation O Observe W Heard c X In scat T Trapped H Hair or A Strander Microhabitat AC Flyin BR In/on	cord cover in eights sing the following c and speed: Record w 0 = calm, 1 = light types cd (sighted) all l or netted feathers d/beached trype g above canopy bridge	odes: 0= vind direc, leaves r R D C V S I I IB IC	tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Fossil/sub-fossi In burrow In cave	cardinal point. e, branches mov	Recci re, 3 7 2 1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: Observation O Observe W Heard c X In scat T Trapped H Hair or A Stranded Microhabitat AC Flyin BR In/on BU In but	cord cover in eights sing the following c and speed: Record w 0 = calm, 1 = light types cd (sighted) all l or netted feathers d/beached trype g above canopy bridge	odes: 0= vind direc leaves r R D C V S I IB	tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Fossil/sub-fossi	cardinal point. e, branches mov	Recci re, 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located On beach sand On log
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: Observation O Observe W Heard c X In scat T Trapped H Hair or A Stranded Microhabitat AC Flyin BR In/on BU In bui CK Crevi	cord cover in eights sing the following c and speed: Record w 0 = calm, 1 = light types ed (sighted) all l or netted feathers d/beached t Type g above canopy bridge ilding	odes: 0= vind direc, leaves r R D C V S I I I I I I I I I I I I I	tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Fossil/sub-fossi In burrow In cave In grass	cardinal point. e, branches mov	Reccipient	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located On beach sand On log On rock
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: Observation O Observe W Heard c X In scat T Trapped H Hair or A Stranded Microhabitat AC Flyin BR In/on BU In bui CK Crevi CL Crevi	cord cover in eights sing the following c and speed: Record w 0 = calm, 1 = light types ed (sighted) all l or netted feathers d/beached t Type g above canopy bridge ilding ce in rock	odes: 0= rind direc, leaves r R D C V S I I I I I I I I I I I I I	tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Fossil/sub-fossi In burrow In cave In grass In tree hollow	cardinal point. e, branches mov	Reccipation Reccip	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located On beach sand On log On rock Over water On road ON trunk
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: Observation O Observe W Heard c X In scat T Trapped H Hair or A Stranded Microhabitat AC Flyin BR In/on BU In bu CK Crevi CL Crevi DA Farm DT In dea	cord cover in eights sing the following c and speed: Record w 0 = calm, 1 = light types ed (sighted) all l or netted feathers d/beached t Type g above canopy bridge ilding ce in rock ce in log /fire dam ad tree (stag)	odes: 0= rind direc, leaves r R D C V S I I I I I I I I I I I I I	tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Fossil/sub-fossi In burrow In cave In grass In tree hollow In litter In reeds In soil	cardinal point. e, branches mov	Recorder of the second	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located On beach sand On log On rock Over water On road ON trunk Under bark
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: Observation O Observe W Heard c X In scat T Trapped H Hair or A Stranded Microhabitat AC Flyin BR In/on BU In bui CK Crevi CL Crevi DA Farm DT In dea EW Edge	cord cover in eights sing the following c and speed: Record w 0 = calm, 1 = light types ed (sighted) all d or netted feathers d/beached <b>Type</b> g above canopy bridge ilding ce in rock ce in log /fire dam ad tree (stag) of water	odes: 0= vind direc, leaves r R D C V S I I I I I I I I I I I I I	tion to the nearest         ustle, 2 = moderate         Road kill         Dog kill         Cat kill         Fox kill         Shot         Fossil/sub-fossi         In burrow         In cave         In grass         In tree hollow         In litter         In soil         In live tree	cardinal point. e, branches mov	Recorder a constraint of the second s	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located On beach sand On log On rock Over water On road ON trunk Under bark Upper canopy
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: Observation O Observe W Heard c X In scat T Trapped H Hair or A Strande Microhabitat AC Flyin BR In/on BU In bui CK Crevi CL Crevi DA Farm DT In dea EW Edge FC In/on	cord cover in eights sing the following c and speed: Record w 0 = calm, 1 = light types cd (sighted) all d or netted feathers d/beached type g above canopy bridge ilding ce in rock ce in log /fire dam ad tree (stag) of water post or stump	odes: 0= vind direc, leaves r R D C V S I I I I I I I I I I I I I	tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Fossil/sub-fossi In burrow In cave In grass In tree hollow In litter In reeds In soil In live tree In water	cardinal point. e, branches mov	Recorder of the second	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located On beach sand On log On rock Over water On road ON trunk Under bark Upper canopy Undergrowth
Comments: Cloud cover: Re Moon: Record u Wind direction a following codes: Observation O Observe W Heard c X In scat T Trapped H Hair or A Stranded Microhabitat AC Flyin BR In/on BU In but CK Crevi CL Crevi DA Farm DT In dea EW Edge FC In/on FL Flyin	cord cover in eights sing the following c and speed: Record w 0 = calm, 1 = light types ed (sighted) all l or netted feathers d/beached t Type g above canopy bridge ilding ce in rock ce in log /fire dam ad tree (stag) of water post or stump g within canopy	odes: 0= rind direc, leaves r R D C V S I I I I I I I I I I I I I	tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Fossil/sub-fossi In burrow In cave In grass In tree hollow In litter In reeds In soil In live tree In water Lower canopy	cardinal point. e, branches mov	Recorder of the second	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located On beach sand On log On rock Over water On road ON trunk Under bark Upper canopy Undergrowth Under log
Comments: Cloud cover: Re Moon: Record u Wind direction a Sollowing codes: Observation O Observe W Heard c X In scat T Trapped H Hair or A Stranded Microhabitat AC Flyin BR In/on BU In bui CK Crevi CL Crevi DA Farm DT In dea EW Edge FC In/on FL Flyin GR On gr	cord cover in eights sing the following c and speed: Record w 0 = calm, 1 = light types ed (sighted) all l or netted feathers d/beached t Type g above canopy bridge ilding ce in rock ce in log /fire dam ad tree (stag) of water post or stump g within canopy	odes: 0= vind direc, leaves r R D C V S I I I I I I I I I I I I I	tion to the nearest ustle, 2 = moderate Road kill Dog kill Cat kill Fox kill Shot Fossil/sub-fossi In burrow In cave In grass In tree hollow In litter In reeds In soil In live tree In water	cardinal point. e, branches mov	Recorder of the second	ord wind speed using the = strong, tops of trees move. Tracks, scratching In raptor/owl pellet Miscellaneous Nest or roost Bones or teeth Not located On beach sand On log On rock Over water On road ON trunk Under bark Upper canopy Undergrowth

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
	man	mal	hairs.			Gerena Jurna, inn a 1973 - 2 on anna 93 2 2m	
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## HAIR TUBE GROUND (SML) - Ridge



#### Trapping Survey Proforma

Project #: 4200
Observer: JC RVB KJC GH
Date: 29.11.06 to 7/12/06
Trap ID: HG 11-20 (Small)

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting $299151$	$\begin{array}{c} \text{WP}  HG \left[1 + \epsilon N \rho \right] \\ \text{Easting}  \boxed{298547} \end{array}$
	Northing 6211579	Northing 6211616
	Time (24 h): 10:20 29.11-06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Track A Eas	t (Ridge)	. with cage traps.

· Last 2 in opp: side of track.

Survey Details	
Date Traps set? 29.11.06	Date traps collected? 14/12/06
Type of trap? Hair tube (small)	Dimension of traps (LxWxB)?
Number of traps? 10	Interval between traps? $\approx 25 - 30$ m
Length of transect?	Bait used? Rolled oats honey peanet but

Weather at start of survey	
Cloud cover: 0/8	Moon: -
Wind Direction and speed: Moderate - Stre	na Rain: None
Temperature (°C): Hot	$\neg$
Comments:	· · · · ·

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	Observation types								
0	Observed (sighted)	R	Road kill	F	Tracks, scratching				
W	Heard call	D	Dog kill	Z	In raptor/owl pellet				
X	In scat	C	Cat kill	M	Miscellaneous				
T	Trapped or netted	V.	Fox kill	E	Nest or roost				
H	Hair or feathers	S	Shot	Ŷ	Bones or teeth				
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located				

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	$\mathbf{I}$	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checke		Trap 7 position		Sex	Easting	J Northing	Comments	14 L
	HG12	G G	Trichosurus sp.				Definite Probable	
	HGIG	G	Trichosurus sp. Rathus sp.				Probable	
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		Trapping Survey Proforma		<b>#: 4200</b>					
				Observer: KJC, GWM Date: 29/11/06 - 7/12/06					
	Поютпа								
			Trap ID:	large					
	Trap ID: HG1-10 HG21								
	Location and timing	HTG Start		HTGIO Finish	small)				
	AMG Zone: 56	Easting 2983	70	Easting 298668					
		Northing 6211	525	Northing 6 2 1 1 4 1 5					
1 7		Time (24 h): AC (uracy = Km		Time (24 h): $Acc = 12 m$					
Note: #4 2+ trap #4 head down head down head down or cek	Map sheet Name: Appin	Map sheet number: 90	29-1S	LGA: Wollondilly	1				
It that	Location description: Hairfube Gully transect.								
head do	Flyaps set on appin Rol 3	ide of creek. A	tecess via	a han track west					
hove and s	Traps Set on appin Rd 3 Traps HTG1+2 - on nov HTG3-10 - on son Trapsect runs north to	the side of track	VACE OF V						
arek	Mapsect runs north to	south parallel to	Brennans						
	Survey Details								
	Date Traps set? 29/11/06		Date traps collected? 14/12/06						
	Type of trap? Hair tubes - sn	all + large Dir	Dimension of traps (LxWxB)?						
	Number of traps? 20		nterval between traps? 25-35m						
	Length of transect? 300m	Approx Bai	Bait used? Rolled oats						
	W/~~~				1				
	Weather at start of surveyCloud cover:SS	Mo	on: $N A$	cant spe					
	Wind Direction and speed: 3	Southerly Rai			-				
	Temperature (°C): 18 °C				-				
	Comments: Very windy	and gusty.							
	Cloud cover: Record cover in eights	of sky			J				
	Moon: Record using the following co		n, 2 = ¾ Moon	4 = Full.					

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	2	In raptor/owl pellet
X	. In scat	C	Cat kill	M	Miscellaneous
Î	Trapped or netted	V	Fox kill	Ē	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	<b>I</b>	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	Ē	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	Π	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
ĤS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	om Barbara Tr Species	Sex	Easting	Northing	Comments	
LARC	1E:				<u></u>			
	HGZI	G	Trichosurus sp.				Definite	
	HG 29	G	( ( (				.(	
SMAL	[:							
	HGZI	G	Mus musculus				Definite	
	HG25 HC27	G	relis catus				« Probable (of "	_
	HG30		4 4				11 11 11 11 11 11 11 11 11 11 11 11 11	¢
					·			
			-	+				

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#### HAIK TUBE GROUND (LAE)

Trapping	Survey	Project #	<b>#: 4200</b>
Proforma	-	Observe	r: JC + RVB
		Date:	29.11.06 to 7/12/00
BIOSIS	aps 5	Trap ID:	HG - 31 - 40 (large)
Location and timing	Start	WP 5	Finish wp 6
MGA AMG Zone: 56	Easting 2984	88	Easting 298565
	Northing 6211	906	Northing 6212177
	Time (24 h): 20:00	) 29.11.06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 90	29-1S	LGA: Wollondilly
Location description:			·
Powerline eas	ement anne	dialor	to track on RHS.
(Ridge)	perpe	noncura	10 notes on kits.
(Mage)			
Survey Details			
Date Traps set? 29 11 06			cted? 14/12/06
Type of trap? Hair Tube			aps (LxWxB)?
Number of traps?			n traps? $\simeq 25 - 30_{\text{M}}$
Length of transect? $\approx 3000$	u Ba	it used? Kol	ed oats mix.
Weather at start of survey			
Cloud cover: 8/8	M	oon: Half	21 an 1999 (1997) - 1997 - 1997 (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (19
Wind Direction and speed: St	mon breeze Ra		now but marke soon!
Temperature (°C): Mid	<u> </u>		
Comments:			
Claud agreen Day day and in 114	of al		
Cloud cover: Record cover in eights		0 3/ 1/	

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	<b>C</b>	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL_	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Resul	ts from	n Barbara Trigo Species	ns k	air an	alysis.	
спескеа (				Easting	Northing	Comments
HG 3 1	G	Wallabia bicolor Rattus sp. Wallabia bicolor Rattus sp.				Definite
HG33	G	Rattus sp.				Definite Probable Definite Probable
НСЗЧ	6	Wallabia bicolor				Definite
HG 38	G	Rattus sp .				Probable
						· · · · · · · · · · · · · · · · · · ·

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#### HAIR TUBE GROUND (SML)

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Trapping Proforma	Survey	Project # Observe	r: RVB + JC			
BIOSIS	GPS S	Date: 29.11.06 to 7/12/06 Trap ID: HG:31-40 (small)				
Location and timing	Start	WP 5	Finish wp6			
MCA AMG Zone: 56	Easting 2984	88	Easting 298565			
	Northing 6211	906	Northing 6212177			
	Time (24 h): 20:00	29.11.06	Time (24 h):			
Map sheet Name: Appin	Map sheet number: 90	29-1S	LGA: Wollondilly			
Powerline easement (Ridge)	1, perpenducular	- to tra	aok, on KHS.			
Survey Details						
Date Traps set? 29.11.06 Type of trap? Hair Tube			$\frac{\text{cted}?}{4}$			
Type of trap? Hair Tube Number of traps? 10		erval betwee	raps (LxWxB)?' n traps? , \$ 25 - 30m			
Length of transect? $\approx 300$ m			Led cats MIX.			
Weather at start of survey						
Cloud cover: $\frac{8}{8}$		oon: Hal				
	trong breeze Ra	in: None	now but maybe soon!			
Temperature (°C): Mild Comments:						
Cloud cover: Record cover in eights	of alm					

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type	e e e e e e e e e e e e e e e e e e e			
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG _	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	L	In litter	RD	On road
DA	Farm/fire dam	] IR	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	ĪŴ	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	n Barbara Trigo Species	Sex	Easting	U Northing	Comments
<u>uncereu</u>	HG31	G	Trichosurus sp.				Definite
	HG32	G	() ()			×.	11
	HG36		10				Probable
		G	Wallabia bicolor				Probable Definite
	HG 40		( <u>(</u> ()				(
					•		
	· · ·						
		۲.					

				_		· .			
	Hab	itat cond	lition		Project #: 4200				
		essment			Observer: JC				
	a330				Date		26		
BIOSIS						ID: Habitat			
<u></u>		GPS 6	ή			nuer par	Noge 2.		
Location				start			c.L.t		
MGA Zone:	56	Ea	asting 2		05	Northing	6211435		
Map sheet Na	me [,] Ar			umber: 902	29-18		/ollondilly		
Location descri	iption:	±							
Ridge site	: Tr	ack A We	est.		Fil	11sh: 2980	95/62113/2		
Ridge site		top half.			Wf	's same a	95/6211372 for BR25 to BR	27.	
Approximate									
1 pp. on more	0120 01		200m	tran	15ec	<i>x</i> .			
				_					
	<u></u>								
Vegetation str	ucture	<u>an an Angele an Angele</u> Angele an Angele an An	<u>Maria de el</u>	E Wood	lland				
□ Scattered ′	Trees			□ Shrub		·	<u> </u>		
Grassland	_			□ Planti					
□ Wetland					<u> </u>	vegetation rem	naining		
Dominant tree	e specie	es: Eac	rasimes			qummitera			
	-1					J	_	• •	
Dominant shr	ub spec	cies: Lots	of ba	nksia	sen	rata. + c	enother Banksia sp	indos	
Dominant gro	und co	ver:							
Introduced Sp	ecies n	resent.							
muoduced Sp	iccies p	1030111.							
Mapped veget	tation c	ommunity (so	urce):	-					
interpret (eget		(20							
Vegetation		0		1		2	3		
health									
Vegetation		No native	🗆 deg	graded		modified	S near natural		
condition		vegetation				-1:-1-4	7 (11		
Tree Age and Regeneration		trees cleared		ture trees		slight	all ages – extensive		
Regeneration			on	y		regeneration	regeneration		
Understorey		understorey		ttered		clumps	shrub layer intact)		
Silderstorey		removed		ubs	-	regenerating	naturally no		
							understorey		
Introduced		dominant		ttered		isolated	few or none		
species			thr	oughout		clumps			

Fauna Habitat	0	1	2
Trees with hollows	🗅 nil	□ few	🖻 common
Leaflitter	🗆 nil	□ some	Ģ common
Logs/ground cover	□ nil	□ few	common
Rocks/crevices	🗆 nil	□ few	🖻 common
Water bodies	🖸 nil	🛛 poor	🗆 good
Feeding resources	🗅 nil	🗆 poor	G good
Linkages	🗖 nil	□ less than 100 m	directly linked mostly
			(Appin Rd close)

Koala habitat trees	Probably None					
Eucalyptus tereticornis	Forest red gum		None	<15%		>15%
Eucalyptus microcorys	Tallowwood		None	<15%		>15%
Eucalyptus punctata	Grey Gum	D N	None	<15%		>15%
Eucalyptus viminalis	Ribbon/manna gum		None	<15%		>15%
Eucalyptus camaldulensis	River red gum		None	<15%		>15%
Eucalyptus haemastoma	Broad leaved scribbly gum		None	<15%		>15%
Eucalyptus signata	Scribbly gum		None	<15%		>15%
Eucalyptus albens	White box		None	<15%		>15%
Eucalyptus populnea	Bimble box		None	<15%	D	>15%
Eucalyptus robusta	Swamp mahogany		None	<15%		>15%

Adjacent land		
	residential	scattered trees
🖬 uncleared	□ riparian vegetation	
Other (describe)	Rd + West Cliff	colliery
	·	

I	
Disturbances	C= Continuous, S = Scattered, I = Isolated
Grazing	D Powerlines
Roads	Erosion
□ Logging	□ Firewood removal
Other (describe) (as pipeline + ac	cess track. Some rubbish dumping
	not too much.

Animals observed in area

See Bird + Herp surveys hlombat hole observed

General Habitat Description and comments Really good fauna habitat present. ots of tree hollows - various sizes + heights on tree Lots of fallen timber including hollow logs Lats of rock outgrops and crevices. Lots of Banksias. Close to creek. Good ground cover of shrubs. Negative- close to Appin Rd.

Habitat condition assessment	n		#: 4200 #:CWM, KJC .12.06 Canlly 1			
Location						
	298		Northing 6211371			
	eet number:		LGA: Wollondilly			
Location description: Brennon's Creek, Western Slope, & about 300n downstream of water treatment plant Approximate size of area (ha): 100 × 100						
Vegetation structure						
Forest		odland				
Scattered Trees		ubland	·			
Grassland		nting				
• Wetland			tation remaining			
Dominant tree species: Eucalypt/Althouse Coryntsia? some blocdwood Dominant shrub species: tea tree, banksid, a cacid, casuarina, hates						

			hakee
Dominant ground cover: Main	y least little.	seme fern,	low grasses,
Introduced Species present:	No		
Mapped vegetation community (sou	urce):		

Vegetation health		0	1	2	3
Vegetation condition	ū	No native vegetation	degraded	modified	near natural
Tree Age and Regeneration		trees cleared	mature trees only	slight regeneration	all ages – extensive regeneration
Understorey		understorey removed	scattered shrubs	clumps regenerating	shrub layer intact, naturally no understorey
Introduced species	٩	dominant	scattered throughout	isolated clumps	few or none

Fauna Habitat	0	1	2
Trees with hollows	🗅 nil	□ few ?	common
Leaf litter	🗆 nil	□ some	🖬 common
Logs/ground cover	🗆 nil	□ few	common
Rocks/crevices	🗆 nil	□ few (Breman's)	□ common
Water bodies	□ nil	D poor Ecreek	🗆 good
Feeding resources	nil	□ poor	🖬 good
Linkages	□ nil	□ less than 100 m	directly linked

Koala habitat trees				
Eucalyptus tereticornis	Forest red gum	None	<15%	>15%
Eucalyptus microcorys	Tallowwood	None	<15%	>15%
Eucalyptus punctata	Grey Gum	None	<15%	>15%
Eucalyptus viminalis	Ribbon/manna gum	None	<15%	>15%
Eucalyptus camaldulensis	River red gum	None	<15%	>15%
Eucalyptus haemastoma	Broad leaved scribbly gum	None	<15%	>15%
Eucalyptus signata	Scribbly gum	None	<15%	>15%
Eucalyptus albens	White box	None	<15%	>15%
Eucalyptus populnea	Bimble box	None	<15%	>15%
Eucalyptus robusta	Swamp mahogany	None	<15%	>15%

Adj	acent land				_
	cleared		residential		scattered trees
	uncleared		riparian vegetation		
	I Other (describe) coal storage drea to south and east				

Dis	Disturbances				C= Continuous, S = Scattered, I = Isolated
	Grazing				Powerlines
	Roads				Erosion
	Logging				Firewood removal
Otl	her (describe)	creek	pollution	fre	rom upstream coal plant

Animals observed in area

dates cheets see

÷,

General Habitat Description and comments Mature plant connunity on sound stone benches in gully. Stags and large hollow, possition sourced older these. The age mixed. Dense shrub layer i- 4n high throughout.

Ground cover naturally sparse, Dense leaf litter, to abundant faller timb present, many shelter sites in rock forterpick

rocks



# Habitat condition assessment

Project #:	4200
Observer:	GWM
Date: 6/1	2/36
Site ID:	Gour 2

Location								
MGA Zone:	Easting 298724	Northing 6 2 (1729						
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly						
Location description: Western stope of Brennan's creek on north-east sacing slope, down stream of power sersen it								
Approximate size of area (ha):	(00 × (00							

Vegetation structure	
□ Forest	Woodland
Scattered Trees	□ Shrubland
Grassland	□ Planting
□ Wetland	No native vegetation remaining
Dominant tree species: $Eucaly p^{\dagger}/c$	saplings, haked, banksid
Dominant shrub species: Eucalypt	saplings, haked, banksid
Dominant ground cover: Tuft 3	rasses, leas little, sense
Introduced Species present: $N_{\odot}$	
Mannad vagatation community (course):	

Mapped vegetation community (source):

- * RE	LENERATING	GROUND/SHRU	10 LATER AT	FTER FILE
Vegetation 🗶	0		2	3
Vegetation condition	<ul> <li>No native vegetation</li> </ul>	□ degraded	□ modified	near natural
Tree Age and Regeneration	□ trees cleared	<ul> <li>mature trees only</li> </ul>	□ slight regeneration	all ages – extensive regeneration
Understorey	understorey removed	□ scattered shrubs	<ul> <li>clumps regenerating</li> </ul>	shrub layer intact/ naturally no understorey
Introduced species	🗅 dominant	□ scattered throughout	□ isolated clumps	few or none

Fauna Habitat	0	11	2
Trees with hollows	□ nil	□ few	🖻 common
Leaf litter	□ nil	□ some	□ common
Logs/ground cover	🗆 nil	∎ few	🗆 common
Rocks/crevices	🗆 nil	□ few	S common
Water bodies	🗅 nil	□ poor	good
Feeding resources	🗆 nil	□ poor	⊌_good
Linkages	🗆 nil	less than 100 m	directly linked

Koala habitat trees				
Eucalyptus tereticornis	Forest red gum	None	□ <15%	□ >15%
Eucalyptus microcorys	Tallowwood	□ None	□ <15%	□ >15%
Eucalyptus punctata	Grey Gum	None	□ <15%	□ >15%
Eucalyptus viminalis	Ribbon/manna gum	None	□ <15%	□ >15%
Eucalyptus camaldulensis	River red gum	None	□ <15%	□ >15%
Eucalyptus haemastoma	Broad leaved scribbly gum	None	□ <15%	□ >15%
Eucalyptus signata	Scribbly gum	□ None	□ <15%	□ >15%
Eucalyptus albens	White box	□ None	□ <15%	□ >15%
Eucalyptus populnea	Bimble box	🗆 None	□ <15%	□ >15%
Eucalyptus robusta	Swamp mahogany	🗆 None	□ <15%	□ >15%

Ad	jacent land		
	, cleared	residential	scattered trees
	uncleared	riparian vegetation	
	Other (describe)		

Dis	turbances	C= Continuous, S = Scattered, I = Isolated		
	Grazing		Powerlines	
	Roads		Erosion	
	Logging		Firewood removal	
Ot	ner (describe)			

Animals observed in area

Grider notches hizand barrows

General Habitat Description and comments

Alixed age whe Mature woodland with trees of nany egges on sps benches above creek A feur stags & trees with lage hollows, Should be ground lager sparse - regenerating after Fire. Last little present, to faller timber sparse due to five but preat Alsendant rock she Hers



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Habitat condition assessment

Project #: 4200					
Observer: GM & RVB					
Date: $(3/12/06)$					
Site ID: QULLY 3					

Location							
MGA Zone: 56	Easting <b>29760</b> 1	Northing 6212488					
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly					
* Photos 25-28: Glider notches & free hollows							
Approximate size of area (ha):							

Vegetation structure	
□ Forest	Woodland
Scattered Trees	□ Shrubland
□ Grassland	□ Planting
□ Wetland	□ No native vegetation remaining
Dominant tree species: Suildby Jum,	Sydney peppermint, Bloodwood
Dominant shrub species: Reliephile put Greating saplings, Lenon scent	ichella, Banksia spinulosa, ed tea tree wps and leaf litter, tufted grasses
Dominant ground cover: Rocky on C	was and leaf littler, hufted grasses
Introduced Species present:	
Mapped vegetation community (source):	

Vegetation health	0	1	2	3
Vegetation condition	No native vegetation	degraded	modified	• near natural
Tree Age and Regeneration	trees cleared	mature trees only	slight regeneration	all ages – extensive regeneration
Understorey	understorey removed	scattered shrubs	clumps regenerating	shrub layer intact/ naturally no understorey
Introduced species	dominant	scattered throughout	isolated clumps	few or none

Fauna Habitat	0	1	2
Trees with hollows	🗆 nil	□ few	🛛 common
Leaf litter	🗅 nil	□ some	common
Logs/ground cover	□ nil	□ few	Common Common
Rocks/crevices	🗅 nil	□ few	Common , ka
Water bodies	🗆 nil	🗆 poor	good & adjacen ha
Feeding resources	□_nil	🗆 poor	G good
Linkages	📮 nil	□ less than 100 m	directly linked

Koala habitat trees					
Eucalyptus tereticornis	Forest red gum	None	<15%		>15%
Eucalyptus microcorys	Tallowwood	None	<15%		>15%
Eucalyptus punctata	Grey Gum	None	<15%		>15%
Eucalyptus viminalis	Ribbon/manna gum	None	<15%		>15%
Eucalyptus camaldulensis	River red gum	None	<15%		>15%
Eucalyptus haemastoma	Broad leaved scribbly gum	None	<15%		>15%
Eucalyptus signata	Scribbly gum	None	<15%		>15%
Eucalyptus albens	White box	None	<15%	ū	>15%
Eucalyptus populnea	Bimble box	None	<15%	a	>15%
Eucalyptus robusta	Swamp mahogany	None	<15%		>15%

Ad	jacent land		
	çleared	residential	scattered trees
	uncleared	riparian vegetation	
	Other (describe)		

Disturbances	C= Continuous, S = Scattered, I = Isolated
Grazing	Powerlines
Roads	Erosion
V Logging + some evidence of longing	□ Firewood removal
Other (describe) in the past 1 - 50	

Animals observed in area here survey type bird Rosella (inson Pardalote hornbill ++ er lairy wen 2 Ider Notches

<u>natah)</u>dan General Habitat Description and comments th trees of ncalypt Atra Mixed age ind regenera Fairly recent oper not . auer 2 m oul hru b 22 loat litter mena SML a dant. 1001 (ock inth large press hollows ias Jome lows Mai mees man 906 regetation SPAR shru in execute Moog Minor Nole: and conditions but paol enderce Frack disturbance rear 6 July dense Southern ayer is show ねし 15 h where OÀ S 1

	Habitat co	ndition	Project			
	assessme	nt	Observer: RVB + Jて			
	4000001101		Date:	ate: 5.12.06		
BIOSIS			Site ID: Upland Swamp 1			
- -				18:30 -	19:30	
Location		Near C				
MGA Zone:	56	Easting		Northing		
Map sheet Na	ame: Appin	Map sheet number:	9029-1S	LGA: Woll	ondilly	
Location descr	ription:	·	<u> </u>	•		
Upland	Swanp 150	On south c	off bou	ndary roa	ed (3 rd corner,	
- 1	l l					
Approximate	size of area (ha):					

Vegetation structure	Swamp surrounded by woodland.
🗅 Forest	U Woodland
Scattered Trees	□ Shrubland
Grassland	□ Planting
• Wetland	No native vegetation remaining
Dominant tree species:	
Dominant shrub species:	
Dominant ground cover:	
Introduced Species present:	

Vegetation health		0	1		2	3
Vegetation condition		No native vegetation	degraded		modified	near natural
Tree Age and Regeneration		trees cleared	mature trees only		slight regeneration	all ages – extensive regeneration
Understorey		understorey removed	scattered shrubs		clumps regenerating	shrub layer intact/ naturally no understorey
Introduced species	ū	dominant	scattered throughout	<b>ם</b>	isolated clumps	few or none

Fauna Habitat	0	1	2
Trees with hollows	🗅 nil	□ few	🗆 common
Leaf litter	🗅 nil	□ some	🗆 common
Logs/ground cover	🗆 nil	□ few	🗆 common
Rocks/crevices	🗆 nil	□ few	🗅 common
Water bodies	🗆 nil	🗆 poor	□ good
Feeding resources	🗆 nil	🗆 poor	□ good
Linkages	🗆 nil	□ less than 100 m	directly linked

Koala habitat trees				
Eucalyptus tereticornis	Forest red gum	None	□ <15%	□ >15%
Eucalyptus microcorys	Tallowwood	None	□ <15%	□ >15%
Eucalyptus punctata	Grey Gum	None	□ <15%	□ >15%
Eucalyptus viminalis	Ribbon/manna gum	None	□ <15%	□ >15%
Eucalyptus camaldulensis	River red gum	□ None	□ <15%	□ >15%
Eucalyptus haemastoma	Broad leaved scribbly gum	□ None	□ <15%	□ >15%
Eucalyptus signata	Scribbly gum	□ None	□ <15%	□ >15%
Eucalyptus albens	White box	🗆 None	□ <15%	□ >15%
Eucalyptus populnea	Bimble box	🛛 None	□ <15%	□ >15%
Eucalyptus robusta	Swamp mahogany	None	□ <15%	□ >15%

Adjacent land						
□ cleared	residential		cattered trees			
uncleared	riparian veg	etation				
D Other (describe)	and Col	liery.				
Disturbances		C=Continuous, S=Scat	ttered, I = Isolated			
□ Grazing		Powerlines				
- D 1		– <b>n</b> '				

	Roads		Erosion
	Logging	D	Firewood removal
Ot	her (describe)		

Animals observed in area Bird survey performed on edge of swamp (B1).

General Habitat Description and comments
Swamp very dry. No obvious drainage lines.
Cradual decline to shallow gully.
Probably not potential habitet for targeted flogs
(aBF, LJ, RCT).

asses	at condition ssment	Project #: Observer: $\mathcal{TC} \neq \mathcal{KVB}$ Date: $\mathcal{L} \cdot \mathcal{L} \cdot \mathcal{O}\mathcal{L}$				
BIOSIS	GPS 4	Site ID: Ridge off power line easement.				
Location		+				
MGA Zone: 56	Easting 298					
Map sheet Name: Appi						
Location description:	Finish: 2985	509 Fixid: 62 (1968				
kidge - fro	Ridge - from BRI start to Anish.					
Approximate size of are	ea (ha):					
2001 transec						
Vegetation structure						
□ Forest						
Scattered Trees	<u> </u>	Shrubland				
Grassland						
□ Wetland	O N	Vo native vegetation remaining				
Dominant tree species: Euc rasimosa + Bloodwoods ?						
Dominant shrub species: Banksias.						
	Dominant shrub species: banksias. Dominant ground cover: Sedgey grass.					
Introduced Species present: None?						

Mapped vegetation community (source):

Vegetation health	0	1	2	3
Vegetation condition	No native vegetation	degraded	modified	✓ near natural
Tree Age and Regeneration	trees cleared	mature trees only	slight regeneration	all ages – extensive regeneration
Understorey	understorey removed	scattered shrubs	clumps regenerating	shrub layer intact) naturally no understorey
Introduced species	dominant	scattered throughout	isolated clumps	few or none

Fauna Habitat	0			1		2
Trees with hollows	🗆 nil		few	Some	٦	common
Leaf litter	🗆 nil		some			common
Logs/ground cover	🗆 nil		few	Some ~		common
Rocks/crevices	🗅 nil	<b>۹</b> ⁄	few			common
Water bodies	🛛 nil		poor			good
Feeding resources	🗆 nil		poor		ð	good
Linkages	🗆 nil		less th	an 100 m	à	directly linked

Koala habitat trees				
Eucalyptus tereticornis	Forest red gum	None	<15%	>15%
Eucalyptus microcorys	Tallowwood	None	<15%	>15%
Eucalyptus punctata	Grey Gum	None	<15%	>15%
Eucalyptus viminalis	Ribbon/manna gum	None	<15%	>15%
Eucalyptus camaldulensis	River red gum	None	<15%	>15%
Eucalyptus haemastoma	Broad leaved scribbly gum	None	<15%	>15%
Eucalyptus signata	Scribbly gum	None	<15%	>15%
Eucalyptus albens	White box	None	<15%	>15%
Eucalyptus populnea	Bimble box	None	<15%	>15%
Eucalyptus robusta	Swamp mahogany	None	<15%	>15%

Adjacent land			
	residential		scattered trees
uncleared (	riparian veg	etation	
D Other (describe) Tracks	s + collien	X	
		J	
Disturbances		C= Continuous, S	= Scattered, I = Isolated
□ Grazing		Powerlines	
□ Roads		Erosion	
□ Logging		, Firewood rem	oval
Other (describe)	fire in pas	<del>†</del> .	
/			
Animals observed in area			
		1	<b>}</b>

See bird survey + herp survey (BRI + HERPRI). .

General Habitat Description and comments

Habitat condition	Project #: 4200
assessment	Observer: JC + RUB
BIOSIS	Date: 6.12.06
GPS 4	Site ID: Guily downslope of coal
Location	tart HABTS (habitat arr trib start)
	98645 Northing 6212326
Map sheet Name: Appin Map sheet n	number: 9029-18 LGA: Wollondilly
Einstein	
Gully between powerline	easement and boundary road,
downslope of coal pit.	$\mathbf{i}$
Approximate size of area (ha):	
: 150m transect.	
Vegetation structure	
Forest	□ Woodland
Scattered Trees	🗆 Shrubland
Grassland	Planting
U Wetland	No native vegetation remaining
Dominant tree species: Euc bot?	bloodwood.
Dominant shrub species:	
Dominant ground cover:	
Introduced Species present:	

Vegetation health		0	1	2	3
Vegetation condition		No native vegetation	degraded	modified	near natural
Tree Age and Regeneration		trees cleared	mature trees only	slight regeneration	all ages – extensive regeneration
Understorey		understorey removed	scattered shrubs	clumps regenerating	shrub layer intact naturally no understorey
Introduced species	۵	dominant	scattered throughout	isolated clumps	few or none

Fauna Habitat	0	1	2
Trees with hollows	🗅 nil	□ few Some	□ _common
Leaf litter	🗆 nil	□ some	🖬 common
Logs/ground cover	🗅 nil	I few Some	🗅 common
Rocks/crevices	🗅 nil	⊡∕ few	🗆 common
Water bodies	🗅 nil	🛛 poor	🖵 good
Feeding resources	🗆 nil	Door Moderate	□ _good
Linkages	🗆 nil	□ less than 100 m	directly linked

Koala habitat trees				
Eucalyptus tereticornis	Forest red gum	🗆 None	□ <15%	□ >15%
Eucalyptus microcorys	Tallowwood	🗆 None	□ <15%	□ >15%
Eucalyptus punctata	Grey Gum	🗆 None	□ <15%	□ >15%
Eucalyptus viminalis	Ribbon/manna gum	None	□ <15%	□ >15%
Eucalyptus camaldulensis	River red gum	□ None	□ <15%	□ >15%
Eucalyptus haemastoma	Broad leaved scribbly gum	🗆 None	□ <15%	□ >15%
Eucalyptus signata	Scribbly gum	🗆 None	□ <15%	□ >15%
Eucalyptus albens	White box	🗆 None	□ <15%	□ >15%
Eucalyptus populnea	Bimble box	🗆 None	□ <15%	□ >15%
Eucalyptus robusta	Swamp mahogany	🗆 None	□ <15%	□ >15%

" A	djacent land							
	cleared		residential		scattered trees			
	uncleared		riparian vegetation					
	□ Other (describe) tracks + colliery.							
			1					

Dis	sturbances	C=	Continuous, S = Scattered, I = Isolated
	Grazing		Powerlines
Ø	Roads		Erosion
	Logging	۵	Firewood removal
Otl	ner (describe) Subsidence?		

Animals observed in area

General Habitat Description and comments

Narrow channel with deep parts. Creek bed consisted mostly of sand but with some rock. Fringing veg: mostly grass/sedges, some ferns. Bantisa serrata + Acacia binnervota. Moderately danse shrub layer. Only = 20-30 of water in creek, with deep pools. Water looked black with roal. Some Jallen timber present. Old, overgrown track adjacent to creek. Creek possibly subsided (looks like botton level of creek has dopped, cracking in soil the along bank

	<b>BIOSIS</b> Trapping Proforma	-	Project # Observe Date: 0 Trap ID:					
	Location and timing	Star	t Eacs	Finish EQCE				
	MCA AMG Zone: 56	Easting 298291		Easting 298567				
		Northing 6211724		Northing 6211460				
	. •	Time (24 h): 20 :	04.12.06	Time (24 h): 8.12-06				
<u>مر</u> خ	Map sheet Name: Appin	Map sheet number	: 9029-1S	LGA: Wollondilly				
istu	Northing 62111224       Northing 6211460         Time (24 h): 20:00 4.12.06       Time (24 h): 8.12.06         Map sheet Name: Appin       Map sheet number: 9029-15       LGA: Wollondilly         Location description:       Tacke A west (gully)         Traps 1-15: head left when facing creek.       See yellow tape.         Survey Details       Survey Details							
A naced in	Traps 1-15 : head les Traps 16-25 : " ri	ft when facin	g creek.	> see yellow tape.				
pr pairs.	Survey Details							
	Date Traps set? 4.12.06		Date traps colle	cted? 81206				
	Type of trap? Elliot A's Number of traps? <b># 25</b> A		Dimension of tr Interval between					
	Length of transect?	<u>, 23 p .</u>	Bait used? Ro					
			1.0					
	Weather at start of syrvey							
	Cloud cover: 0/8	1	Moon: Jul					
	Wind Direction and speed: Shi Temperature (°C): Mild	ÿ	Rain: None	·				
	Comments:							
	Cloud cover: Record cover in eights	ofsky		·				

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	Observation types									
0	Observed (sighted)	R	Road kill	F	Tracks, scratching					
W	Heard call	D	Dog kill	Z	In raptor/owl pellet					
X	In scat	С	Cat kill	M	Miscellaneous					
<b>T</b>	Trapped or netted	V	Fox kill	E	Nest or roost					
H	Hair or feathers	S	Shot	Y	Bones or teeth					
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located					

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	$\mathbf{L}^{\prime}$	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
5-12-106	EGC 1-25		None.			2222 A.M. A. T. B.R. Y. & BANK AND STOLEY	
6-12-06	6GC 1-25		None.				
7.12.06			None. None. Easten voter Dragon trap None	neo	in Elli	+B. of	FIO
8-12-06		-	None				
ţ	×						
		-					

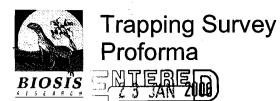
#### ELLIOT GROWIND - RIDGE (25)

ð,

Trapping	Survev	Project #	<b>#: 4200</b>				
Proforma	J	Observe	Observer: TE, BS				
		Date:	4/12/06				
BIOSIS		Trap ID:	EG-E1-25				
Location and timing	Star		Finish				
ACA AMG Zone: 56		_					
AMG Zone: Jb	Easting 298	<u>49</u> 2	Easting 298728				
	Northing 621	1990	Northing 6212103				
			Time (24 h): 19 08				
	Time (24 h): 13 (						
Map sheet Name: Appin	Map sheet number:	9029-18	LGA: Wollondilly				
EG - E	5 13 - BIG HC		'				
	06	Date trans colle	ated? Clizica				
	<u>06</u> R's		cted? $\delta[2]$ ob ans (LxWyB)?				
Date Traps set? 4/12/ Type of trap? Elliot A g	1 B'S	Dimension of tr	aps (LxWxB)?				
Date Traps set? $4/12$ Type of trap? $E II.0 + A g$ Number of traps? $25 +$	2=50		aps (LxWxB)?				
Number of traps? $25 \neq$	2=50	Dimension of tr Interval betwee	aps (LxWxB)?				
Date Traps set? $4/12$ Type of trap? $E II.0 + A g$ Number of traps? $2 \le 4$ Length of transect? $2 \le 0$ Weather at start of survey	2=50	Dimension of tr Interval betwee Bait used?	aps (LxWxB)?				
Date Traps set? $4/12$ Type of trap? $E \parallel o \neq A g$ Number of traps? $25 \neq$ Length of transect? $250$ Weather at start of surveyCloud cover:	2=50	Dimension of tr Interval betwee Bait used? Moon:	aps (LxWxB)?				
Date Traps set? $4/12$ Type of trap? $E II.of A g$ Number of traps? $25 f$ Length of transect? $250$ Weather at start of survey       Cloud cover:         Wind Direction and speed: $-$	2 B'3 2=50	Dimension of tr Interval betwee Bait used?	aps (LxWxB)?				
Date Traps set? $4/12$ Type of trap? $E II.of A g$ Number of traps? $25 f$ Length of transect? $250$ Weather at start of surveyCloud cover: $4000$ Wind Direction and speed: $-7000$ Temperature (°C): $2000$	2=50	Dimension of tr Interval betwee Bait used? Moon:	aps (LxWxB)?				
Date Traps set? $4/12$ Type of trap? $E Hof A'g$ Number of traps? $25 #$ Length of transect? $250$ Weather at start of surveyCloud cover: $6$ Wind Direction and speed: $-$	2 B'3 2=50	Dimension of tr Interval betwee Bait used? Moon:	aps (LxWxB)?				
Date Traps set? $4/12$ Type of trap? $E II.of A g$ Number of traps? $25 f$ Length of transect? $250$ Weather at start of surveyCloud cover: $4000$ Wind Direction and speed: $-7000$ Temperature (°C): $2000$	2 B'3 2=50	Dimension of tr Interval betwee Bait used? Moon:	aps (LxWxB)?				
Date Traps set? $4/12$ Type of trap? $E II.of A g$ Number of traps? $25 f$ Length of transect? $250$ Weather at start of survey $250$ Cloud cover: $6000000000000000000000000000000000000$	2 B'3 2=50	Dimension of tr Interval betwee Bait used? Moon:	aps (LxWxB)?				
Date Traps set? $4/12$ Type of trap? $E II.of A g$ Number of traps? $25 f$ Length of transect? $250$ Weather at start of surveyCloud cover: $(C)$ Wind Direction and speed: $-$ Temperature (°C): $2$ Comments: $2$	2 + 5 $2 = 5 \circ$ 5	Dimension of tr Interval betwee Bait used? Moon: Rain: Ioon, 2 = ¾ Moor	aps (LxWxB)? n traps?				
Date Traps set? $4/12$ Type of trap? $E II.of A g$ Number of traps? $25 f$ Length of transect? $250$ Weather at start of surveyCloud cover: $6000000000000000000000000000000000000$	2 = 50 2 = 50 5 6 6 of sky odes: 0=None, 1 = 1/4 M ind direction to the nea	Dimension of tr Interval betwee: Bait used? Moon: Rain: Ioon, 2 = ³ / ₄ Moor rest cardinal poin	aps (LxWxB)? n traps? 				
Date Traps set? $4/12$ Type of trap? $E II.of A g$ Number of traps? $25 f$ Length of transect? $250$ Weather at start of surveyCloud cover: $(C)$ Wind Direction and speed: $-$ Temperature (°C): $2$ Comments: $2$	2 = 50 2 = 50 5 6 6 of sky odes: 0=None, 1 = 1/4 M ind direction to the nea	Dimension of tr Interval betwee: Bait used? Moon: Rain: Ioon, 2 = ³ / ₄ Moor rest cardinal poin	aps (LxWxB)? n traps? 				
Date Traps set? $4/12$ Type of trap? $E llot + A g$ Number of traps? $2 \le 4$ Length of transect? $2 \le 0$ Weather at start of surveyCloud cover: $(C)$ Wind Direction and speed: $-$ Temperature (°C): $2$ Comments:Ioud cover: Record cover in eightsIoon: Record using the following codes: $0 = calm, 1 = light, generative$	2 = 50 2 = 50 5 6 6 of sky odes: 0=None, 1 = 1/4 M ind direction to the nea	Dimension of tr Interval betwee: Bait used? Moon: Rain: Ioon, 2 = ³ / ₄ Moor rest cardinal poin	aps (LxWxB)? n traps? 				
Date Traps set? $4/12$ Type of trap? $E II.of A g$ Number of traps? $2 \le f$ Length of transect? $2 \le o$ Weather at start of surveyCloud cover: $(a = 1)$ Wind Direction and speed: $-$ Temperature (°C): $2$ Comments:Ioud cover: Record cover in eightsIoud cover: Record using the following codes: $0 = calm, 1 = light,$ <b>Observation types</b>	2 + 5 = 5 + 0 2 = 5 + 0 3 = 5 + 0 $4 = 10^{-1}$ $4 = 10^{-1}$	Dimension of tr Interval betwee: Bait used? Moon: Rain: Ioon, 2 = ³ / ₄ Moor rest cardinal poin	aps (LxWxB)? n traps? 				
Date Traps set? $4/12$ Type of trap? $E \parallel a + A + g$ Number of traps? $2 \leq \#$ Length of transect? $2 \leq 0$ Weather at start of surveyCloud cover: $2 \leq 0$ Wind Direction and speed:Comments:Ioud cover: Record cover in eightsLoon: Record using the following coVind direction and speed: Record willowing codes: $0 = \text{calm}, 1 = \text{light},$ Deservation typesOObserved (sighted)	2 + 5 = 5 - 0 2 = 5 - 0 2 = 5 - 0 2 = 5 - 0 3 = 5 - 0	Dimension of tr Interval betwee: Bait used? Moon: Rain: Ioon, 2 = ³ / ₄ Moor rest cardinal poin	aps (LxWxB)? n traps? 				
Date Traps set? $4/12$ Type of trap? $E llot + A g$ Number of traps? $2 \le #$ Length of transect? $2 \le 0$ Weather at start of surveyCloud cover: $2 \le 0$ Wind Direction and speed:Temperature (°C): $2 \le 0$ Comments:Ioud cover: Record cover in eightsIoon: Record using the following coVind direction and speed: Record willowing codes: $0 = \text{calm}, 1 = \text{light},$ <b>Observation typesO</b> Weard call	2 = 50 2 =	Dimension of tr Interval betwee: Bait used? Moon: Rain: Ioon, 2 = ³ / ₄ Moor rest cardinal poin erate, branches mo	aps (LxWxB)? n traps? a, 4 = Full. t. Record wind speed using the ove, 3 = strong, tops of trees move. <b>F</b> Tracks, scratching				
Date Traps set? $4/12$ Type of trap? $E llot + A g$ Number of traps? $2 \le #$ Length of transect? $2 \le 0$ Weather at start of surveyCloud cover: $2 \le 0$ Wind Direction and speed:Temperature (°C): $2 \le 0$ Comments:Ioud cover: Record cover in eightsIoon: Record using the following coVind direction and speed: Record willowing codes: $0 = \text{calm}, 1 = \text{light},$ <b>Observation typesO</b> Weard call	$\frac{2}{2} = 5 O$ $\frac{2}{5} O$ $\frac{1}{5} O$	Dimension of tr Interval betwee: Bait used? Moon: Rain: Ioon, 2 = ³ / ₄ Moor rest cardinal poin erate, branches mo	aps (LxWxB)?         n traps?				
Date Traps set? $4/12$ Type of trap? $E llot + A g$ Number of traps? $2 \le 4$ Length of transect? $2 \le 0$ Weather at start of surveyCloud cover: $2 \le 0$ Wind Direction and speed: $-$ Temperature (°C): $2 \le 0$ Comments: $2 \le 0$ Ioud cover: Record cover in eightsIoud cover: Record cover in eightsIoud cover: Record cover in eightsIoud cover: Record using the following coVind direction and speed: Record widlowing codes: $0 = \text{calm}, 1 = \text{light},$ Observation typesOObserved (sighted)WHeard callXIn scat	$\frac{2}{2} = 5 O$ of sky odes: 0=None, 1 = ¹ / ₄ M ind direction to the nea leaves rustle, 2 = mode $\frac{\mathbf{R}}{\mathbf{D}} = \frac{\mathbf{R} \text{ Road kill}}{\mathbf{D}}$	Dimension of tr Interval betwee: Bait used? Moon: Rain: Ioon, 2 = ³ / ₄ Moor rest cardinal poin erate, branches mo	aps (LxWxB)? n traps? 4, 4 = Full. t. Record wind speed using the ove, 3 = strong, tops of trees move. F Tracks, scratching Z In raptor/owl pellet M Miscellaneous				

Micro	habitat Type		n an		
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	Ē	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Specie		Sex	Easting	Northing	Comments
5/12/06	Nı	LTR	APPED PRED					
6/12/06	NI	L TRA	PAED	E22 -	t rige	jeed,	bait sti	ll
7/12/06	N	L TRAF	PPEP,					
012100	1100	ne						
								:



NTERE

Project	#: 4200
Observe	r: TE; BJS
Date:	4/12/06
Trap ID:	EG-B1-25

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting 298119	Easting 29783
	Northing 6212972	Northing 6213077
	Time (24 h): 15-0 C	Time (24 h): 16.50
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: OFF B	OUNDARY TRACK -	NEAR HAIRTUBES
		har
Survey Details		
Date Traps set? $4/12/$	Date traps colle	cted? 8/12/06
Type of trap? Ellior	$A' \le B' \le Dimension of tr$	aps (LxWxB)?
Number of traps? Mar 255	$\mathcal{C} = 25$ Interval between	n traps? 10 m
Length of transect?	Bait used?	annual R Hover 10ats
Weather at start of survey		

weather at start of survey	1. AND 法支持性权 ************************************
Cloud cover: 5	Moon:
Wind Direction and speed: $2$	Rain:
Temperature (°C): $2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 $	
Comments:	of Ronal De 100 tubes
NATE - Trace 1-20 on 1	NINI EC ISI HW
NUTU AU AU AU	1 1 2 921-25 2 EG 1-20
	,

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types				
Ó	Observed (sighted)	R	Road kill	F	Tracks, scratching
Ŵ	Heard call	D	Dog kill	Z	In raptor/owl pellet
<b>X</b>	In scat	C	Cat kill	M	Miscellaneous
/ <b>T</b>	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
Α	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Microl	habitat Type							
AC	Flying above canopy	B	In burrow	OB	On beach sand			
BR	In/on bridge	IC	In cave	OL	On log			
BU	In building	IC	In grass	OR	On rock			
СК	Crevice in rock	IH	In tree hollow	OW	Over water			
CL	Crevice in log	IL	In litter	RD	On road			
DA	Farm/fire dam	R	In reeds	ТК	ON trunk			
DT	In dead tree (stag)	IS	In soil	UB	Under bark			
EW	Edge of water	IT	In live tree	UC	Upper canopy			
FC	In/on post or stump	IW	In water	UG	Undergrowth			
FL	Flying within canopy	LC	Lower canopy	UL	Under log			
GR	On ground	LS	Low shrub	UR	Under rock			
HS	High shrub	MC	Mid canopy	WH	Waterhole			

Date trap checked	Trap no.	Trap . position		Speci	les		Sex	F	asting	Noi	thing	C	mments	
5/12/06	NIL	TRAP	PE-D.						<u></u>	1240-1 X- 011-0			<u></u>	
6.12.06	EGB 1-25	Non	2					4						
	EGB 16	Close	d brt	emp	sty									
	ECB 17		e											
	EGB 18		h											
7.12:06			NI			_								
	NB	Trap	F 17	- +1;	<u>}</u> +	19	. 11	•	190~	d	but			
		Traps	2	d~	d	st:	U	w	i K	ba:	t			
8-12-06		None												
•														_
•; •														
														_
						•								
						<u>.</u>								
								<u> </u>			-			

## ELLIOT GROUND-RIDGE (25)

			×		
💊 💥 Trappin	g Survey	Project #	#: 4200		
Proform		Observer: TE, BS			
		Date: (	-1/12/06		
BIOSIS	LAN _2006	Trap ID:	EGI- 25		
			<u>_</u>		
Location and timing	Start		Finish		
MG A AMG Zone: 56	Easting 2991	50	Easting 298915		
	Northing 6211	579	Northing 6241584		
	Time (24 h):	0	Time (24 h): 2 30		
Map sheet Name: Appin	Map sheet number: 90	)29-1S	LGA: Wollondilly		
Location description:	main track eas	- (	<u>.</u>		
		•			
* Nor	E EG1-25 all	located a	on line south of road.		
Survey Details					
Date Traps set? 4/12/12	<u> </u>	ate traps colle	cted?		
Type of trap? $F$ $A' S$ $B'$		Dimension of traps (LxWxB)?			
Number of traps?		Interval between traps? //?			
Length of transect? 250	) Ba	ait used? P/Rolled Oarts Honey			
		/	<u> </u>		
Weather at start of survey					
Cloud cover: 6		Moon:			
Wind Direction and speed: /		Rain: +			
Temperature (°C): 21°					
Comments: First Ilap	south of road BI	air fube			
Last trap	south of road \$ K	air tube (	tage trop below roch sheft		
Cloud cover: Record cover in eig	hts of sky	<b>_</b>			
Moon: Record using the following					
Wind direction and speed: Recor		-	· · · · ·		
ronowing codes: $0 = \text{calm}, 1 = \ln \theta$	gnt, leaves rustle, $2 = \text{modera}$	te, branches mo	ove, $3 = $ strong, tops of trees move.		

	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	<b>C</b>	Cat kill	<b>M</b>	Miscellaneous
T		V	Fox kill	E	Nest or roost
Ħ	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	IB	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
5   12   06		NIL	TRAPPED	-	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19	•,	
6 [12/06			TRAPPED				
	EG-	IBEI	list triggered b	nt e	mpty. S	till bailed	đ
7/12/06	EGI	-B EII	ot triggered but	enp	ty. Shill k	ailed. Tr	up moved.
$\sim$	EGI6	-B Eli	list triggered but ist triggered but st Blue-tongur	J.	Liza	rcl	
8.12.06		None			_		

### CAGE-Kidge (b)

	Survey	Project #: 4200			
Proforma		Observe	r: KJC, GWM		
	-03 5	Date: 25	3/11/06		
BIOSIS - NTER		Trap ID:	CI-C6		
<u> 2 3 JAN</u>	2008				
Location and timing	<u>CI</u> Start		C6 Finish		
MGA AMGZone: 56	Easting 2991	39	Easting 298781		
	Northing 6211	595	Northing 62112		
	Time (24 h):   2 · 30	<b>)</b>	Time (24 h):		
Map sheet Name: Appin	Map sheet number: 9029-1S		LGA: Wollondilly		
Location description: 🏙 Tra	205 Set along	a track	AEast		
Traps all set on south side of track with CI alosest to boundary track					
•	side of hack	with CI	alosest to boundary track		
Survey Details					
Survey Details Date Traps set? 28 11 06	Da	te traps colle	cted? <u>4</u> /12/06.		
Survey Details	Da Di	te traps colle mension of tr	cted? <u>4 /12/06.</u> aps (LxWxB)?		
Survey DetailsDate Traps set?28 11 06Type of trap?Cage	Da Din Int	te traps colle nension of tr erval between	cted? <u>4 /12/06</u> . aps (LxWxB)? n traps? <b>ﷺ 50</b>		
Survey Details Date Traps set? 28 11 06 Type of trap? Cage Number of traps? 6 Length of transect?	Da Din Int	te traps colle nension of tr erval between	cted? <u>4 /12/06.</u> aps (LxWxB)?		
Survey Details Date Traps set? 28 11 06 Type of trap? Case Number of traps? 6 Length of transect? ESS Weather at start of survey	Da Din Int Ba	te traps colle mension of tr erval between it used?	cted? <u>4 /12/06</u> . aps (LxWxB)? n traps? <b>ﷺ 50</b>		
Survey Details         Date Traps set?       2.5       11       06         Type of trap?       Cage         Number of traps?       6         Length of transect?       Second         Weather at start of survey       Cloud cover:       1	Da Din Int Ba	te traps colle mension of tr erval between it used?	cted? <u>4 /12/06</u> . aps (LxWxB)? n traps? <b>ﷺ 50</b>		
Survey Details         Date Traps set?       28       11       06         Type of trap?       Cage       06         Number of traps?       6       06         Length of transect?       Second       06         Weather at start of survey       Cloud cover:       1       8         Wind Direction and speed:       0	Da Din Int Ba	te traps colle mension of tr erval between it used?	cted? <u>4 /12/06</u> . aps (LxWxB)? n traps? <b>ﷺ 50</b>		
Survey DetailsDate Traps set?28Type of trap?CageNumber of traps?6Length of transect?SecondWeather at start of surveyCloud cover:Cloud cover:18Wind Direction and speed:0Temperature (°C):25	Da Din Int Ba	te traps colle mension of tr erval between it used?	cted? <u>4 /12/06</u> . aps (LxWxB)? n traps? <b>ﷺ 50</b>		
Survey Details         Date Traps set?       28       11       06         Type of trap?       Cage       06         Number of traps?       6       06         Length of transect?       Second       06         Weather at start of survey       Cloud cover:       1       8         Wind Direction and speed:       0	Da Din Int Ba	te traps colle mension of tr erval between it used?	cted? <u>4 //2/06.</u> aps (LxWxB)? n traps? <b>ﷺ 50</b>		

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obse	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
Ħ	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	T	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	ŪR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

	· · ·	· · · · · · · · · · · · · · · · · · ·					: 1	
Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments	
29 #1106	C1-	6	None					
30-11-06	CI	- 6	None	 				
1.12.06	CL	-6	None		osed fe	r week	cend.	
-Dis	man	the d	4/12/06-	<u> </u>				
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Trapping S	
Proforma	KS

Project	#: 4200
Observ	er: Grunn, MSC, RH
Date:	2 8/11/06
Trap ID:	c7 - c 2

Location and timing	C7 Start	WATPOINT Finish 001
MGA AMGZone: 56	Easting 298602	Easting 298430
	Northing 6211496	Northing 6211623
	Time (24 h):	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: East	.c. dopt of main	Sully
2 hor worth of a	cess brack A, 4	lings couth

Survey Details	
Date Traps set? 7 2/11/04	Date traps collected? 4 12 06.
Type of trap? $A_{k} \in A_{k}$	Dimension of traps (LxWxB)?
Number of traps?	Interval between traps? $25-35 \infty$ .
Length of transect?	Bait used? $\subset \mu c \mu f \chi$

Weather at start of survey	
Cloud cover:	Moon:
Wind Direction and speed:	Rain:
Temperature (°C):	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

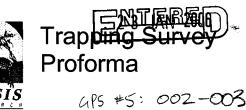
Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	С	Cat kill	M	Miscellaneous
T H	Trapped or netted	V	Fox kill	E	Nest or roost
	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	Ν	Not located

AC	Flying above canopy	IB	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	<b>ÚB</b>	Under bark
EW	Edge of water	.IT	In live tree	UC	Upper canopy
FC	In/on post or stump	.IW	In water	UG.	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap	Trap	Trap	Specie		Sex	Easting	Northing	Comments
checked	no.	position						
\$0.11.06 30.11.06			- None					
1.12.06		-C12	None Non 4 1 1 2 10	0	CL	rat t	r weakt	
-D15			4/12/0	,		eren 16	tr weekt	mu
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Project #: 4200					
Observer: RH, RB					
Date: 28/11/06					
Trap ID: C13 - C16					

Location and timing	Start	Finish		
ÄMG Zone: 56	Easting 298166	Easting 278014		
	Northing 6212968	Northing 6212928		
	Time (24 h):	Time (24 h):		
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly		
Location description: $\mathcal{N}_{\text{art}}$	of bande road	· · · ·		
Location description: North	of borde road			

Survey Details	
Date Traps set? 28/11/06	Date traps collected? 7-12-06
Type of trap? CAGE	Dimension of traps (LxWxB)?
Number of traps? 4-	Interval between traps?
Length of transect?	Bait used? CHICKEN & OATS/PERNUT BUTTER/HONE

Weather at start of survey	
Cloud cover: 718	Moon: —
Wind Direction and speed: NE 1	Rain: —
Temperature (°C): 35	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

<b>Observation types</b>		
O Observed (sighted)	<b>R</b> Road kill	<b>F</b> Tracks, scratching -
W Heard call	<b>D</b> Dog kill	<b>Z</b> In raptor/ow1 pellet
X In scat	C Cat kill	Miscellaneous
<b>T</b> Trapped or netted	<b>V</b> Fox kill	<b>E</b> Nest or roost
Hair or feathers	S Shot	Bones or teeth
A Stranded/beached	I Fossil/sub-fossil	Not located

Micro	habitat Type			victoria politica	
AC	Flying above canopy	<b>IB</b>	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	ĪĤ	In tree hollow	OW	Over water
CL	Crevice in log	<b>I</b> L	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	<b>IT</b>	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

			an de la companya de La companya de la comp				
Date trap checked	Trap no.	Trap. position	Species	Sex	Easting	Northing	Comments
29 \$.11.06	C13	- C16	None				
30 .11.06			None				
1.12.06	0 (13	- 016	None	Clo	sed for	- weet +/12/06	end.
				Re-	opened 6	112/06	
5-12-06			None				
6-12-06	c-l	8-016	None.				_
7.12.0	6		NIC				
							:

## CAGES - KIDGE (6)

- RIVUE $(6)$			
Trapping	Survey	Project # Observe	
Proforma	÷	Date: 4	
BIOSĨS			$\frac{112}{96}$
	RAIN	Trap ID:	CI + - CZZ
Location and timing	Start		CZZ Finish
Maa			
AMG Zone: 56	Easting 2984	98	Easting <b>298589</b>
C.S.	Northing 621	896	Northing 6 212042
	Time (24 h):		Time (24 h):
Map sheet Name: Appin	Map sheet number: 9		LGA; Wollondilly
Location description: Transe c and follows House Loc		€ 125.	ensenattract.
Date Traps set? 4 12 06	1 Da	ate traps colle	cted?
Type of trap? Cage			aps (LxWxB)?
Number of traps? 6			n traps? 25-35 m
Length of transect? 170 m	Ba	ait used? Ch	ricken + volled oats
Weather at start of survey Cloud cover: 08		oon: 📌	
Wind Direction and speed:	N Ra	ain: Ni	•
Temperature (°C): Comments:			
	;		
Cloud cover: Record cover in eights of Moon: Record using the following co Wind direction and speed: Record wi	des: $0=$ None, $1 = \frac{1}{4}$ Moo	on, $2 = \frac{3}{4}$ Moon	4 = Full.

Obse	ervation types			2	
Ō	Observed (sighted)	R	Road kill	F	Tracks, scratching
Ŵ	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Ŷ	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				na shiring dha ki sakarar i sufit a shiring ta' an Ar Mana ta' dagaala ay
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	L	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	<b>IT</b>	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	ŬG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
5.12.06	-22	<u> </u>	None.				
6-12-06	C20		None. Lace monitor				
	<i>c</i> 17						
7-12.06	-11		NIL C	7	trigger	1 bit	shill Ga
			· · · · ·				

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## (AGES_Kidge (4)

Kloge (4)	·					
Trapping	Survey	Project #	#: 4200			
Proforma	-	Observer: KJC, Gwm				
		Date: 4	4/12/06 1740			
		Trap ID:	C23-C26			
A JI JA						
Location and timing	C23 Start	· · ·	CZ6 Finish			
MGA AMG Zone: 56	Easting <b>Z981</b>	56	Easting 298232			
	Northing 6212	979	Northing 6213014			
	Time (24 h):		Time (24 h):			
Map sheet Name: Appin	Map sheet number: 9	: 9029-18 LGA: Wollondilly				
Location description: Within	vidae habite	at narall	et to Boundary hac			
Access boundary tra	ck, Riaba	t brito	tarsealed track			
Transect runs perpe	ndrender to	track fra	el to Boundary trac tarseoled track on N-> S, divectly			
Survey Details						
Date Traps set?		<u> </u>	$cted? \mp 1206$			
Type of trap? Cage		Dimension of traps (LxWxB)?				
Number of traps?		Interval between traps? 25-35				
Length of transect? 10 M	Ba	ait used? Ch	nclean + volled eats			
Weather at start of survey						
Cloud cover: 08	<u>Maria and Anna (1997)</u>	Moon: 😰 Ž				
Wind Direction and sneed:		Rain: M				
Temperature (°C):	ور م الها منظر الارار الما المستحد	·····	ليترا ليري وروسه الدارين المراجع مراجع المحمد الم			
Temperature (°C): Comments: 20°C						
_						
Cage 23 - Comera #		=				
Cloud cover: Record cover in eights of sky						

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	·M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	<b>I</b> L	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT .	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
5-12-06	C23 -26	-	None.				
5-12-06 6-12-06 7.12.0	CZ3 -26	-	None. None. Allu				
7.2.0	5		NIL				

	Trapping Survey	Pro
	Proforma	Ob
		Da
BIOSIS		Tra

Project #: 4200			
Observe	r: KJC, GWM		
Date:	4/12/06		
Trap ID:	65 C27		

Location and timing	Start Acusacy = "	Finish			
AMGZone: 56 QNS	Easting 298402	Easting <b>Cartest</b>			
	6211862 Northing	Northing			
	Time (24 h): $14 \cdot 60$	Time (24 h):			
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly			
Location description: trap set within gully habited on northern side of Main track west.					

Survey Details Cage set double -	ended.
Date Traps set? 6 4 12 06	Date traps collected?
Type of trap? Cage	Dimension of traps (LxWxB)?
Number of traps?	Interval between traps? N/A
Length of transect? N/A Single trap	Bait used? Claicken wing + volled oats
· · · · · · · · · · · · · · · · · · ·	. )

Weather at start of	f survey		
Cloud cover: 0	8	Moon:	?
Wind Direction and	speed:	Rain:	Nil
Temperature (°C):	25°6		
Comments:			

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obse	Observation types										
0	Observed (sighted)	R	Road kill	F	Tracks, scratching						
W	Heard call	D	Dog kill	Z	In raptor/owl pellet						
X	In scat	C	Cat kill	M	Miscellaneous						
T	Trapped or netted	V	Fox kill	E	Nest or roost						
Ħ	Hair or feathers	S	Shot	Y	Bones or teeth						
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located						

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	<u>OB</u>	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	I	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	<b>II</b>	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
5.12.06	CZ7	-	None				
6.12-06 7-12-06	CZ7	-	None None None				
7-12-06	CZ7		None				
	,						
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CAGETR	Ar- (min (1)				
	Trapping	Survey	Project #	<b>#: 4200</b>	
	Proforma	-	Observer: KJC GWM		
			Date: 4	112/06	
			Trap ID:	E C28	
	Location and timing	Start A	·ccuracy=7	n Finish	
A applead	AMOZONE: 56	Easting 2983	40	Easting	
* Chief		Northing 6111	582	Northing	
V SA J		Time (24 h): 14 - C	りり	Time (24 h):	
	Map sheet Name: Appin	Map sheet number: 90	29-1S	LGA: Wollondilly	
	Location description: Occes	s from picton	rd. Ma	aintrackwest.	
	Track is set Purth	er north' from	n ets,	aintrackwest. along creek side	
			$c_{27}$	· · · · · · · · · · · · · · · · · · ·	
		Permission of American States - States	and the second	una Ser - V. Spail - Increasional anticida. P. Juna, 2006 Pari anticato de material democrationador est	
	Survey Details				
	Date Traps set? 4/12/06		te traps colle		
	Type of trap? Cage			aps (LxWxB)?	
	Number of traps?		erval between		
	Length of transect? NA	Bai	it used? ()	ieken + volled bads	
	Weather at start of survey				
	Cloud cover: 0 8	Mc	on: ?	uran menanun him su di banar darat menaterrakan arkenan erenan erundur (den 1999 billigi bir). Tarat menanun him su di banar darat menaterrakan arkenan erenan erundur (den 1999 billigi bir).	
	Wind Direction and speed: 1	Rai			
	Temperature (°C): 25°C				

Comments:

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	Observation types										
0	Observed (sighted)	R	Road kill	B	Tracks, scratching						
W	Heard call	D	Dog kill	Z	In raptor/owl pellet						
X	In scat	С	Cat kill	M	Miscellaneous						
<b>T</b>	Trapped or netted	V	Fox kill	E	Nest or roost						
H	Hair or feathers	S	Shot	Y	Bones or teeth						
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located						

Micro	Microhabitat Type										
AC	Flying above canopy	B	In burrow	OB	On beach sand						
BR	In/on bridge	IC	In cave	OL	On log						
BU	In building	IG	In grass	OR	On rock						
СК	Crevice in rock	H	In tree hollow	OW	Over water						
CL	Crevice in log	L	In litter	RD	On road						
DA	Farm/fire dam	R	In reeds	TK	ON trunk						
DT	In dead tree (stag)	IS	In soil	UB	Under bark						
EW	Edge of water	IT	In live tree	UC	Upper canopy						
FC	In/on post or stump	IW	In water	UG	Undergrowth						
FL	Flying within canopy	LC	Lower canopy	UL	Under log						
GR	On ground	LS	Low shrub	UR	Under rock						
HS	High shrub	MC	Mid canopy	WH	Waterhole						

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments	
5.1Z-06	C28	•••••	None.					
6-12-06 7-12-06 -	A S	-	None.					
7.12.06.	C28		None.					
								-

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#### s4200 West Cliff SIS Bird Survey

SITE ID:  $(12127 \circ A) \in$ OBSERVER:  $(3 \lor A)$ MGA ZONE:  $(5 \lor A)$ Accuracy 10M EASTING: (0298743) NORTHING: (5211359)DATE:  $(6 \lor A)$ DATE:  $(6 \lor A)$ I.2./2006 START TIME (24 hour time): (13:30)FINISH TIME (24 hour time): (14:00)NUMBER OF SURVEYORS: (14:00)NUMBER OF SURVEYORS: (14:00)

100 x 200 m dred

FINE, CHUN MOT DAY OTHER COMMENTS: ...

#### Habitat / Behaviour Codes

Microl	nabitat Type			45	
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	III	In tree hollow	OW	Over water
CL	Crevice in log		In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	On trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	T	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL.	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

#### INCIDENTAL OBSERVATIONS:

Species	Number	Direction from	Direction of bird movement	Time	Vertical height from ground	Distance from Observer	Habitat/ behaviour	Observation $H = \checkmark$ $SH = \checkmark +$	Notes
		UDSCI VCI	Obs		(metres)	(metres)		Seen Only = S	
Brown Cuckos - love								H	
Easter whip hind	1							Н	
White-thoatd Treessep	<u> </u>							H	
Eastern spinebill Wattlebird	1							U.	
Wattlebird	2+							И	
Sharing Bonce - archos							_	4	
Australban Raven									
Ney Hollond Hone yet	3+						UC	0	
Australia Raven	2_		H						
Yellow - Saved Koneyeater Edist spinobill Gray shrike - this sh Spotted Parale lote WTic	1		il				_		
Edst spinels:4	1		H						
Grey shrike - thrush			Н						
Spotted lada lote	<u> </u>		Н						
WTic	L_1		Н				L		
Brown Thornbill	<u> </u>		н						
Easto tellow Robin	1		0				MC		
Rubous Whistle	2		Н					<u> </u>	
Golden Whistler	1		н						
Buff-rumped Thorabil	1		0				HS		
Thornhill sp. Cposs. strinked	) 5+		ð				#MC		
Grey Shrike - thrush	1		O				MC		
Easter = pinebill			0				MC		
Spotled fad	<u>    l                                </u>		М						
Brush Bronzewing			0				MC		
Little wibind J	Ľ_		0				MC	<u> </u>	
For tailed Cuckoo	l		И_				<u> </u>		near Black water

- 1° *

SITE ID: $G \cup G \cup G \cup G$ SITE ID: $G \cup G \cup G$ OBSERVER: $G \cup M$ WEATHER: Please circle where appropriate: TEMPERATURE: Cold < 15°C Mild 15°C - 30°C Hot 30°C PRECIPITATION: Find Showers Rain WIND STRENGTH: Calm Breeze Moderate Strong WIND DIRECTION: $G \cup G \cup G$ START TIME (24 hour time): $G \cup G$ FINISH TIME (24 hour time): $G \cup G$ NUMBER OF SURVEYORS: $O \cup E$ TOTAL EFFORT (person hours): $T \cup G \cup G$ START TIME (24 hour sine): $T \cup G \cup G$ NUMBER OF SURVEYORS: $O \cup E$ TOTAL EFFORT (person hours): $T \cup G \cup G$ START TIME (24 hour sine): $T \cup G \cup G$ START TIME (24 hour sine): $G \cup G \cup G$ NUMBER OF SURVEYORS: $O \cup E$ TOTAL EFFORT (person hours): $T \cup G \cup G$ START START START START (person hours): $T \cup G \cup G$ START START		s4200 West Cliff SIS Bird Survey	
MGA ZONE:       Su accuracy         MGA ZONE:       PRECIPITATION:         EASTING: $Z_7$ BASTING: $Z_7$ NORTHING: $G_2$ PRECIPITATION:       Fine         Start       NORTHING:         Start $G_2$ NUMBER OF SURVEYORS: $ON \in$	)		
DATE:		MGA ZONE:	PRECIPITATION: Fine Showers Rain
FINISH TIME (24 hour time):		DATE:	WIND DIRECTION:
			CLOUD COVER (in eighths):
			OTHER COMMENTS:

#### Habitat / Behaviour Codes

Microl	nabitat Type	 Andre i K			
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	L	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	On trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
<u>FC</u>	In/on post or stump	IW	In water	UG	Undergrowth
<b>FL</b>	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

**INCIDENTAL OBSERVATIONS:** 

fied Curravang Grey Shrike - throsh Eugebream Gry Farbail White-browed Sevenbure

Species	Number	from	Direction of bird movement	Time	Vertical height from ground (metres)	Distance from Observer (metres)	Habitat/ behaviour	Observation H = ✓ SH = ✓+ Seen Only = S	Notes
Pisel Curaway Easter Spielill White - thanked Triegrap	i		Н						in obstand
Easten Sprebill	1		H	_					
White - thoated Tregreep			И						in abotance
Spotted Parlalate	1		И						
				_					
L									

attan .

23

<u>s4200 West Cliff SIS Bird Survey</u>
SITE ID: MULLY 3 - Western side of Brennen's Creek dan (north dan)
MGA ZONE: see habitat/herp data sheets EASTING: 29.7691 NORTHING: 6212.488
DATE:
START TIME (24 hour time): 09:48
FINISH TIME (24 hour time):
NUMBER OF SURVEYORS:
TOTAL EFFORT (person hours): ルACF

appor 100 x 200 m and scarch.

WEATHER: Please circle where appropriate:	
TEMPERATURE: Cold < 15°C Mild 15°C - 30°C	C Hot > 30°C
PRECIPITATION: Fine Showers Rain	
WIND STRENGTH: Calm Breeze Moderate	Strong
WIND DIRECTION:	
CLOUD COVER (in eighths):8	•

OTHER COMMENTS: .....

#### Habitat / Behaviour Codes

Microl	nabitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	Ħ	In tree hollow	OW	Over water
CL	Crevice in log	L	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	On trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	<b>I</b>	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR.	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

**INCIDENTAL OBSERVATIONS:** 

Possible Rock worbler O on they track in.

lg1/2

Pg2/2.

offsite = within study and for project but outside of search area for this point/quadrat

Species	Number	Direction from observer	Direction of bird movement Ols 7-7.	Time	Vertical height from ground (metres)	Distance from Observer (metres)	behaviour	Observation H = ✓ SH = ✓+ Seen Only = S	Notes
WITC Spotted Pardolate Yellow Faed NE Wattleb:rd	1		И "						n ¹ - 1 ⁻ Yang guna yang <u>kana kanang kana</u> ng kang kang kang kang kang kang kang ka
Spotted Pardolate	1		И						
Yellow faed UE	1		Н						
wattleb:rd	I		H		offsite				
Grey Fontail YF HE	1		И		offste				
YF'HE	1		И	_					
Rutous Whistler East spirebill Rutous whistler	• t		И						
East spilebill	1		н						
Kutan whistlen_			H+0	<u>.</u>			UC		
hrey Fondail Wric			H		ļ,				
wrie	1		и		offs:te				
Sulphin Creded C'too	1		М		off's te				
Ratous whitle	<u> </u>		н						
Brown Genygone Grey Fastal	<u> </u>		<u> </u>						
- Grey tartail	<u> </u>		<u>и</u>						
Brown Thomabill Stricted Pardolote Superts Fairy - when Brown-Leaded HE 3		ļ	н						
Stricted Pavilalotie	1		0				UC		
Superts tairy - wren	ユ	·	н						
Brown-Leaded HE o_	}		н						
Spotted Parel YF HE			н	<u> </u>	!				
YE WE	3		0+u				FL/UC		
Little Wattlebind	2		0				ົບເ		
East Spirehill Aust Raven	<u> </u> <u> </u>		11						<u></u>
Hust Kaven	<u> </u>		<u> </u>		offsite				
And a second and a	<u> </u>		н						
Brown Thomasill	l l		н		offsite				

	100 x 200 a real search on
<u>s4200 West Cliff SIS Bird Survey</u>	west slope of Brennan's Creek gully south of gas case wat track
	south of gas ease-wait track
) SITE ID: $GUUY = 3$	WEATHER: Please circle where appropriate:
OBSERVER:GWM	D TEMPERATURE: Cold < 15°C Mild 15°C - 30°C Hot > 30°C
MGA ZONE:	PRECIPITATION: Fine Showers Rain
EASTING:	WIND STRENGTH: Calm Breeze Moderate Strong
DATE:	WIND DIRECTION:
START TIME (24 hour time):	CLOUD COVER (in eighths):
FINISH TIME (24 hour time):	
NUMBER OF SURVEYORS: $\partial N E$	
TOTAL EFFORT (person hours):	nins OTHER COMMENTS: Warn, Ine, cloudy

#### Habitat / Behaviour Codes

B4

Microhabitat Type				
AC Flying above of	anopy <b>IB</b>	In burrow	ОВ	On beach sand
BR In/on bridge	IC	In cave	OL	On log
<b>BU</b> In building	IG	In grass	OR	On rock
CR Crevice in roc	k 🛛 🖽	In tree hollow	OW	Over water
CL Crevice in log	<b>L</b>	In litter	RD	On road
<b>DA</b> Farm/fire dam	R	In reeds	ТК	On trunk
<b>DT</b> In dead tree (s	tag) IS	In soil	UB	Under bark
<b>EW</b> Edge of water	<b>II</b>	In live tree	UC	Upper canopy
<b>FC</b> In/on post or s	tump <b>IW</b>	In water	UG	Undergrowth
<b>FI</b> Flying within	canopy LC	Lower canopy	UL	Under log
GR On ground	LS	Low shrub	UR	Under rock
HS High shrub	MC	Mid canopy	WH	Waterhole

**INCIDENTAL OBSERVATIONS:** 

Coppertailed skill

	Species	Number	from	Direction of Bird movement		Vertical height from ground (metres)	Distance from Observer (metres)	Habitat/ behaviour	Observation H = ✓ SH = ✓+ Seen Only = S	Notes	
×*****	Fast Why Brod Foot spribill For - toiled curlood White - the ated tree me For tailed Curlood Australia Rama White - that & tree mene Foston Rama Foston spribill Fast spribill Fast Cel Robin Aug Paris	2		H	20092099999999999999999999999999999999	(Incures)	linerwy	<u> </u>	OCCHANNEL	n an	<u>AND AND AND AND AND AND AND AND AND AND </u>
	Freit Konchill			M		<u> </u>					
	Fer - to led cur lood	<u> </u>		M		indi	stance				
	White - throated free cree	se-	·	H							
	For- tailed Cuchoo			H							
	Australia Roman			Н		in dis	Harel				
	white-that breemeepe	1		н		2 dr	fare				
	Fosten spielill	2		И							
Ĺ	- Fact sprybill	l		0				LC			
L	East Pel Robin			Й		in disto	ne				
<u> </u>	Aust Raven Grey Fantail	_ Z		H							
⊢	Grey Fantail		ļ	M	ļ			-1			
⊢	Fied Currawong			0				& AC			
—	Pied among	{	ļ!	И		m de	fand				
_	NEW HALL HE	5+		0				LC			
	Thornhill zp.			0				tk			
<u> </u>	- Com Intail			0		<u> </u>		MC			
$\vdash$	Brown than bill	2		н		<u> </u>					
⊢	Thornhill sp. Thornhill sp. Comp Fontail Brown Thomas bill Grey Shrike - through	(		14		<u> </u>					
		ļ	!			<u>                                     </u>					
<u> </u>											
⊢	·			<b>├──</b>			┢────┤				
⊢				├───┤			┼───┤				
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┝			· · · .				<u>├</u>				

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Bird Survey-Ridge.



#### s4200 West Cliff SIS Bird Survey

SITE ID:
OBSERVER:
MGA ZONE:5 EASTING: 2718158 NORTHING: 6211367
DATE:7
START TIME (24 hour time):09.33
FINISH TIME (24 hour time):
NUMBER OF SURVEYORS:
TOTAL EFFORT (person hours):

WEATHER: Please circle where appropriate: Mild 15°C - 30°C TEMPERATURE: Cold < 15°C Hot > 30°C PRECIPITATION: Fine Showers Rain WIND STRENGTH: Calm Breeze Moderate Strong CLOUD COVER (in eighths):  $\frac{7}{8}$ 

Otree Search. covered OTHER COMMENTS: 2 ha aver ^(100 x 700 m) Difficult to hear at times over noise from Appin Rd.

#### Habitat / Behaviour Codes

Microl	nabitat Type	$\Omega$		Arrest ages of	
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IE	In tree hollow	OW	Over water
CL_	Crevice in log	<b>I</b> L	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	On trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC _	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

#### **INCIDENTAL OBSERVATIONS:**

location description: Rege Bird survey on meestern slope of Brennan's creek, within ridgetop woodland.

Pg 1/2

1 dbservat	
Type	/ Notes

Number	Direction	Qirection	Time	Vertical			Observation	Notes
	from observer	of hird movement			from Observer	behaviour	SH = √+	
				(metres)	(metres)	a second a second	Seen Only = S	
<u> </u>	SH	U						
<u> </u>		dist						
3								
<u> </u>	4							
1	Н	dist						
١	H	dist						
1	H	dist			\$ 			
1	SH		_					
)								
۱								
	H							
	I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I <td< td=""><td>$\begin{array}{c c} 1 &amp; SH \\ \hline 1 &amp; H \\ \hline 3 &amp; H \\ \hline 1 &amp; H$</td><td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td><td>from observerofspird movement1SH1H3H3H1H1H1H1H1H1H1H1SH1SH1H1H</td><td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td><td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td><td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td><td>I     SH     st       I     H     dist       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H</td></td<>	$ \begin{array}{c c} 1 & SH \\ \hline 1 & H \\ \hline 3 & H \\ \hline 1 & H$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	from observerofspird movement1SH1H3H3H1H1H1H1H1H1H1H1SH1SH1H1H	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	I     SH     st       I     H     dist       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H       I     H

* dist = distant ie outside 100 x 200 m ^ avea.

s4200 West Cliff SIS Bird Survey

# (36)

SITE ID: B1 (fixed point census) OBSERVER: JC (+ RVB) MGA ZONE: 56EASTING: 298.35.2 NORTHING: 6212663 DATE: 5.../.12.../2006START TIME (24 hour time): 18:55FINISH TIME (24 hour time): .....19:15NUMBER OF SURVEYORS: 1(+1)NUMBER OF SURVEYORS: 1(+1)



OTHER COMMENTS: Access from boundary road (3rd corner), head 150m south through to upland swamp, cross swamp and face gully.

#### Habitat / Behaviour Codes

Microl	nabitat Type				
AC	Flying above canopy	<b>IB</b>	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	L	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	ТК	On trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	<b>IT</b>	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

INCIDENTAL OBSERVATIONS:

## Pg ]

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Species	Number	Direction from	Direction of bird	Time	Vertical height from	Distance from	Habitat/ behaviour	Observation H = ✓	Notes
			movement		ground (metres)	Observer (metres)		$SH = \checkmark +$ Seen Only = S	
Rutous Whistler	1	SE_		18:55					
WITC	1	S		11					
Spotted Paralote	/	E		<u> </u>					
Circy Fantail	<u> </u>	<u>s</u> u		18:57					
_ Striated Thornbill	6	sE		<u> </u>				<u> </u>	
Easten Spinebill		NE		18:58					
Yellow-faced HE	1	S		18:59				✓	
New Holland HE	2	E		19:00				<u> </u>	
Aust. Raven	45	NE	sω	11	_30	10	#AC	· +	
Yellow-faced HE		SE	<b>9</b>	19:01					
New Holland HE		<u> </u>		19:05					
Eastern Spinebill		SE		19:08				<b>/</b>	
Spotted Pardalote	<u> </u>	S		19:10			<u> </u>		
White-bowed Soruburen		E		19:14	<u> </u>				
Aust. Raven	<b> </b>	Sυ		19:15					
				·					
							<b></b>		
					<u> </u>	·		┝━━─ <u></u> ─	
	<u> </u>								
L	L						<u> </u>	L	

## BIRD RIDGE !

	<u>s4200 West Cliff SIS Bird Survey</u>	E
<b>B</b> 7)	SITE ID: B.R.I. (transect)	
$\smile$	OBSERVER:JC	
	MGA ZONE:	
START	EASTING: 298560 NORTHING: 6212172	•••••
P BRIS	DATE:	
BRIF	START TIME (24 hour time):	. (
DKIP	FINISH TIME (24 hour time):	
	NUMBER OF SURVEYORS:	168
	TOTAL EFFORT (person hours):	

## ZNIGBED

WEATHER: Please circle where appropriate:

TEMPERATURE: Cold < 15°C Mild 15°C - 3	<b>Hot</b> > 30°C
PRECIPITATION: Fine Showers Rain	
WIND STRENGTH: Calm Breeze Modera	te Strong
WIND DIRECTION:E	
CLOUD COVER (in eighths):	

OTHER COMMENTS: Located along ridge Hair Tube transect off powerline easement. 200n transect.

#### Habitat / Behaviour Codes

**INCIDENTAL OBSERVATIONS:** 

Micro	habitat Type				
AC	Flying above canopy	IB	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	L	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	On trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	, IM	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
<b>HS</b>	High shrub	MC	Mid canopy	WH	Waterhole

Species Species	Number	Direction from observer	of bird	Time	Vertical height from ground	Distance from Observer	Habitat/ behaviour	Observation H = ✓ SH = ✓+	Notes
arey Fourtail	1	S		18:33	(metres)	(metres)		Seen Only = S	Heard.
Eastern Spinebil		N		18:33					
Pied Currawona		SE		(				>	
Superb Lyrebird Yellow-fated HE		2		18:34					
Yellow-fated HE		NW		<u></u>					
Rutous Whistler	1	NW		(				<u> </u>	
Aust Raven	2	SV		18:39					
Aust Raven Rutous Whistler		ŜE		18:40					
WTTC		S E		18:43					
WTTC	j	E		18:48					
Pied Curranona Superb Fairyunen New Holland HE		56		18:50					
Superb Fairyuden	Ī	Ŵ		18:51					
New Holland HE		S		18:53		_			
Para (Anna) (Dr. a	1	S NE		18:55					
Aust. Raven Brown Thombill Martinganen Rytous Unister Eastern Yellow Lobin	)	W		19:00				<u> </u>	
Brown Thomas Marcanon	2	SW		19:02					
Rutous phistler	)	SW		. 1			-		
Eastern Yellow Lobin		W		19:03					
striated thornbill	5	2		u	12	30	NC	<b>√</b> +	
			-		•	- 1-2			
					<u> </u>				L



#### s4200 West Cliff SIS Bird Survey

SITE ID: BRZS to BR2 F	
OBSERVER: JC	Taps 4
mga zone:	
start EASTING: 298305 NORTHING:	6211 435
DATE:	Finish:
START TIME (24 hour time):	298095
FINISH TIME (24 hour time):	6211 372
NUMBER OF SURVEYORS:	
TOTAL EFFORT (person hours):	



WEATHER: Please circle	e where appropria	ite:	
TEMPERATURE: Col	d < 15°C Mile	ł 15⁰C – 30ºC	Hot > 30°C
PRECIPITATION: (Fin	B Showers	Rain	
WIND STRENGTH: Ca	lm Breeze	Moderate	Strong
WIND DIRECTION:			
CLOUD COVER (in eigh	ths):7/8	•••••	

OTHER COMMENTS: Ridge Site: Track A West and heading up. 200m transect.

#### Habitat / Behaviour Codes

Microl	nabitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	B	In tree hollow	OW	Over water
CL	Crevice in log	<b>IL</b>	In litter	<b>₽₽</b>	On road
DA	Farm/fire dam	R	In reeds	TK	On trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL.	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

**INCIDENTAL OBSERVATIONS:** 

arey Shrike-thrush + 1 (H) after survey.

Species	Number	Direction from	Direction of bird	Time	Vertical height from	Distance from	Habitat/ behaviour	Observation $H = \checkmark$	Notes
			movement		ground (metres)	Observer (metres)		$H = \checkmark$ SH = $\checkmark$ + Seen Only = S	
Grey Fantail	1			17:18		35			
Eastern Spinebill Thornhill sp. Rutous Whistler				17:20		35			
Thornhill sp.				17:24		30			
Rutous Whistler	1			17:28		50			
	ĹÌ			17:29		18			
Chrey Fantail	1			17:31		20			
Cripson Rosella Spoted Parchalote	1			17:32		40			<u> </u>
Spotled Parchalote				17:35		25			
Yollow-friend HE	1			17:37		30		$\square$	
Eastern Spinebill WTTC	<u> </u>			17:39		50			
WTTC '				(1		40			
Eastern Yellow Kobin	)			e C		30			
Eastern Spinebill		_		17:44					
Variegated Fairymen	2			17:48		10		V+	
Laughing Kookakurra				11		100			
							<u>.</u>		
								_	

ANABAT	AT - RIDGE (Z nights)		11 de la compañía de	FALCO			
			Survey	Project #: 4200			
		Proforma		Observer: KTC KWM			
			4	Date: 29/11/06			
	BIOSIS			Site ID: AR-1			
	Location and						
	MGA Zone: \	56 (AR1)	Easting 2984	15 Northing 6 2 1	872		

Start time (24 h): 20.30	Finish time (24 h): 1 2 06 10.10	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Ridge Casement track. Ar	top woodland. Anab. abat Unit #2. Set 1	at set at end .t

	100n: N A	lant see	
	- i		
Wind Direction and speed: 3 Ra	ain: N	( <b>I</b>	
Temperature (°C):			
Comments: Windy . Battery power fine when an	noubast div	smantled.	Znights - some position

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the

following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

	Species		Accuracy		Spec	ies	Accuracy
Checked	30.11.06	at of	7:45.	left	turned	on dur	terry
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			-				
			$\overline{a}$				
		K.					
	NO	$\langle \langle \psi \rangle$					 
	-						

Cord reader obesnot recognise cost. purchase replacement card Carry to back at cerd, may have dota. Tried of office on Sunday. Cant vegod card. Wed - purchased new cerd reeder, card reed ak. Dot file 8kb only. Nothing on cord at all le formated card and initialised cord. Dot file much larger kb.

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ANABAT	~	KIDUE	(2 mghts)	
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FA1160

BIOSIS

Anabat Survey Proforma

Project #: 4200					
Observer: KJC	Gwm				
Date: 29/11/06					
Site ID: AR-2					

Location and timing						
MGA Zone: 56 AR - 2	Easting 293398	Northing 6211924				
Start time (24 h): 20.40	Finish time (24 h): 1 12 06 10 0	0				
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly				
Location description: Ridge top woodland. Anabat set at end of comment track within woodland. Approx 20 m from parking spot-in about #1						

-					
Comments:					
Comments: windy Battery poner the when anobat dismantled. 2 nights - same position					
position					

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

	Species		Accuracy	Species		Accuracy
Checked	30.11.0{			Left turned	on .	
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		ND				
			X			

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*c* . .

Anabat-Kidge (Znights)



Anabat Survey Proforma

FAI	60
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Project #: 4200	
Observer: KJC, Chum	
Date: 4/12/06	
Site ID: A3	

Location and timing		
MGA Zone: 56 A3	Easting 299284	Northing 6212120
Start time (24 h): 20.00	Finish time (24 h): 6/12/06	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: On Former from truck parking from large acal pic Anabout #1	area. and immediate les. Set to side of	track, approx 300m tely across no ad a small track.

Weather at start of survey	
Cloud cover: 08	Moon: Full (4)
Wind Direction and speed: <b>O</b>	Rain: NM
Temperature (°C): 20	
Comments: Fine warm night.	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Species	Accuracy	Species	Accuracy
 	_		
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	$\nabla Q$	)	
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Valid Anabat sectors read = 15 cfc read: CF card has been erased Recover erased deta? Card Reader fine Entercerd " reader doesn't read card, Pew attempts - reeds card. Status txt document OKB ் ச ச Batfile DAT file .8KB. Download with CFC Read

Anabat S Proforma		Project # Observe Date:	
Brosis Arthr Location and timing	1#2 Wa	L,	4 on GISY also A3
MGA Zone:			Northing 6 21 21 23
Start time (24 h): 22: 15	Finish time (24 h):	PORVOR (	3/12)
Map sheet Name: Appin	Map sheet number: 90	)29-1S	LGA: Wollondilly
Location description: San	e as A3		TERED

Weather at start of survey				
Cloud cover:	8		Moon:	descured
Wind Direction and speed:	south,	breeze -ma	Rain:	shovers
Temperature (°C):	·			
Comments:				

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

	Species	Accuracy	Species	Adecimación
11-12/12/0	6 NU BAT CALLS Nyctophilus sp. (geoffroyi or gouldi) Chalinolobus morio Chalinolobus morio Chalinolobus morio or Vespadelus sp. (probably vulhurus Morinolobus sp. (probably vulhurus			
12-13/12/06	Nyctophilus sp. (geoffroyi or gouldil	AD	1 pass	
12-13/12/06	Chalinolobus morio	AM	1 pass, AP = 1 pass	
12-13/12/06	Chalinolobus morio or Vespadelus sp. (probably vulturus	AP	4 passes	
12-13/12/06	Mormopterus q2	AP	1 pass	
•				

		RIDGE (Znights)			FAILED S-6/12 SUCCESSFUL 6-7/12			
		Anabat Su	Jrvev		Project #	<b>#: 4200</b>		
		Proforma			Observe	r: KJC, Chi	3m	
		riolonna			Date: 5	.12.06 - 7	· 12 · 06	
	BIOSIS * t s t A • t *		ENTER		Site ID:			
	Location and			darata (il				
				<u></u>				
	MGA Zone: 5		Easting 29			Northing 62	1167	6
	Start time (24	h): $7.00$	Finish time (24 h	h): $\frac{\tau}{08}$	2-06 30			
	Map sheet Na	me: Appin	Map sheet numb			LGA: Wollon	-	
·	Location desc on track Onobot Onobot	ription: Anabo mmeduate set opprove #2-new flo	ut set or du opposite 60 m fr ash Card.	r wese $r = 10ck$	ied ge zinp 5	cle of stu ste of A	dy aree ppm Rd.	
	Weather at st	tart of survey						
	Cloud cover:	08		Moo				
		n and speed: 0		Rain				
	Temperature ( Comments:	(°C): 30						
		cord cover in eights c		/ Moon	$2 - \frac{1}{2} - \frac{3}{4}$	4 Full		
	Moon: Record u Wind direction a	cord cover in eights c sing the following co and speed: Record with 0 = calm, 1 = light, 1	des: 0=None, $1 = \frac{1}{2}$ nd direction to the 1	nearest ca	ardinal point	t. Record wind spee		
	Moon: Record u Wind direction a following codes:	sing the following co and speed: Record with 0 = calm, 1 = light, 1 Species	des: $0$ =None, $1 = \frac{1}{2}$ nd direction to the r leaves rustle, $2 = m$ <b>Accuracy</b>	nearest ca oderate,	ardinal point branches mo	t. Record wind spee ove, 3 = strong, top		
	Moon: Record u Wind direction a following codes:	sing the following co and speed: Record win 0 = calm, 1 = light, 1	des: $0$ =None, $1 = \frac{1}{2}$ nd direction to the r leaves rustle, $2 = m$ <b>Accuracy</b>	nearest ca oderate,	ardinal point branches mo	t. Record wind spee ove, 3 = strong, top	s of trees move.	
	Moon: Record u Wind direction a following codes: 6.12.06	sing the following co and speed: Record with 0 = calm, 1 = light, 1 Species	des: $0=$ None, $1 = \frac{1}{2}$ nd direction to the r leaves rustle, $2 = m$ Accuracy	nearest ca oderate,	ardinal point branches mo Spe g P ^r oPe	t. Record wind spec ove, 3 = strong, top exies	s of trees move.	
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	Moon: Record u Wind direction a following codes: 6.12.06 Night I Not sure Night 2 -	sing the following co and speed: Record wind 0 = calm, 1 = light, 1 Species - Anabat ch Used new f if flash card	des: 0=None, 1 = 1/2 nd direction to the p leaves rustle, 2 = m Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy	oderate, ovkin ovkin omode covr	ectly -	t. Record wind spec ove, 3 = strong, top ectes esty.	s of trees move.	
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6-7/12/0 6-7/12/0	Moon: Record u: Wind direction a following codes: 6.12.06 Night I Not sure Night 2 - 06 Vespade 6 Vespade 6 Chalino	sing the following co and speed: Record win 0 = calm, 1 = light, 1 Species - Anobat cl Used new f if flash cord Used Anabo hight Z m his vulturni his vulturni labus morio	des: 0=None, 1 = 1/2 nd direction to the p leaves rustle, 2 = m Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Acuracy Accuracy	nearest cr oderate, ovkin Tomodu Covr h Co vree 15 r 22 1	ectly - ectly - and (RV ty. xsses passes	t. Record wind spec ove, 3 = strong, top ectes 25 ly. ) . <u>On tonate</u> (18 of these	s of trees move. Accuracy	
6-7/12/0 <b>6-7/12/</b> 0 6-7/12/0	Moon: Record u Wind direction a following codes: 6.12.06 Night I Not sure Night 2 - 06 Vespade 6 Vespade 6 Chalinolo 6 Chalinolo	sing the following co and speed: Record wind 0 = calm, 1 = light, 1 Species - Anobot ch Used new f if flash cord Used Anabo hight Z h hight Z h his vulturnus labus morio obus morio schreibersii oce	des: 0=None, 1 = 1/2 nd direction to the p leaves rustle, 2 = m Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Acuracy Accuracy	nearest critical ovkin formode brree 15 22 1 30	ardinal point branches mo <u>spe</u> <u>g</u> prope <u>brand</u> ectly ard (RV ty. ty. passes <u>passes</u> <u>asses</u> (2	t. Record wind spec ove, 3 = strong, top ectes = sly. )	s of trees move. Accuracy card natted eare high re highly pr	
6-7/12/0 <b>6-7/12/</b> 0 6-7/12/0	Moon: Record u Wind direction a following codes: 6.12.06 Night I Not sure Night 2 - 06 Vespade 6 Vespade 6 Chalino 6 Chalino 6 Miniophis	sing the following co and speed: Record wind 0 = calm, 1 = light, 1 Species - Anobot ch Used new f if flash cord Used Anabo hight Z h hight Z h his vulturnus labus morio obus morio schreibersii oce	des: 0=None, 1 = 1/2 nd direction to the n leaves rustle, 2 = m Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Acuracy Accuracy Accuracy	nearest cr oderate, ovkin Tomode Covr h Cs nrre e 15 22 1 22 1 30 1 2 2	ardinal point branches mo <u>spe</u> <u>g</u> prope <u>brand</u> ectly ard (RV ty. ty. passes <u>passes</u> <u>asses</u> (2	t. Record wind spec ove, 3 = strong, top ectes 25 ly. ) . <u>On tonate</u> (18 of these	s of trees move. Accuracy card natted eare high re highly pr	
6-7/12/0 <b>6-7/12/</b> 0 6-7/12/0	Moon: Record u Wind direction a following codes: 6.12.06 Night I Not sure Night 2 - 06 Vespade 6 Vespade 6 Chalino 6 Chalino 6 Miniophis	sing the following co and speed: Record wind 0 = calm, 1 = light, 1 Species - Anobot ch Used new f if flash cord Used Anabo hight Z h hight Z h hight Z h his vulturnus ilabus morio obus morio schrtibersii oce 5 MOCIO 20	des: 0=None, 1 = 1/2 nd direction to the n leaves rustle, 2 = m Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Accuracy Acuracy Accuracy Accuracy	nearest cr oderate, ovkin Tomode Covr h Cs nrre e 15 22 1 22 1 30 1 2 2	ardinal point branches mo <u>spe</u> <u>g</u> <u>prope</u> <u>brand</u> <u>e ctuy</u> <u>ard</u> ( <i>Rv</i> <u>tuy</u> . <u>passes</u> <u>passes</u> <u>passes</u> <u>asses</u> (2 <u>ass</u> (hi	t. Record wind spec ove, 3 = strong, top esties = sly. ) . On tonate BIKJC for (18 of these 24 of these a	s of trees move. Accuracy card natted eare high re highly pr	

Anabat	Gully		Su	CCESSFUL	
:	Anabat Trapping Survey Proforma		Project #: 4200 Observer: $\mu \nu \mu + \mu \tau \nu$ Date: $6/12/06 - 8/12/06$ Trap ID: $A N AB M T$ 5		
	Location and timing	Start	A	5 ON GPS5 Finish	
	AMG Zone:	Easting 0297	757	Easting	
	AS on GPS 5 occuracy 10m	Northing 6212		Northing	
		Time (24 h): 70:	Dung	Time (24 h): $02.30_{8.12.06}$	
	Map sheet Name: Appin	Map sheet number: 9029-1S		LGA: Wollondilly	
	Location description: Nor Anabat #1 - C	born Dam ord ve format 2 N	ed 61 1947:	Brennen's Greak 12/07	
	Survey Details				
	Date Traps set? 6/12	<b>/ 06</b> _ Dat	e traps colle	n and the construction of	
	Type of trap?		nension of tr	raps (LxWxB)?	
	Number of traps?	Inte	erval between traps?		
	Length of transect?	Bait	t used?		
	Weather at start of survey				
	Cloud cover: 8	Mo			
		NIV Rain	n:		
	Temperature (°C):				
	Comments:				

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

<b>Observation types</b>				
Observed (sighted)	R	Road kill	F	Tracks, scratching
W Heard call	D	Dog kill	Z	In raptor/owl pellet
X In scat	C	Cat kill	Μ	Miscellaneous
Trapped or netted	V	Fox kill	Ê	Nest or roost
Hair or feathers	S	Shot	Y.	Bones or teeth
A Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type		n den felste skriver i den skriver og som en so En skriver i		lation and the second states in the second states of the
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	Ħ	In tree hollow	OW	Over water
CL	Crevice in log	П	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	T	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL *	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date Trap Trap Species trap Northing Sex Easting Comments position no. checked NHE 升 PASSES Date SPECIES 27 6-7/12/06 Chalinolobus gouldin AD 12 6-7/12/06 Chalinolobus gouldii AM 6-7/12/06 Chalinolobus quildii 2 AP 3 (1 of these is highly probable) 6-7/12/06 Vespadelus vulturnus AM K-7/12/06 Vespadelus darlingtoni 1 (Highly probable) AM 67/12/06 Vespadelus regulus AM 1 4 (2 of these are highly probable ) 6-7/12/06 Scotorepens orion AM AP 6-7/12/06 Scolo repens 4 Orion 1 6-7/12/01 Mystis macropus AM AP 6-7/12/01 Myptis Macropus 1 6-7/12/06 Mormopterus sp.2 AP=9 12 AMH 6-7/12/06 Tadarida australis AD 4 Chalinolobus gouldii AP 6-7/12/06 Mormopherus Sp 2 or 2 6-7/12/06 Myotis Macropus or Scotorepens AP 18 AM = 37-8/12/06 Challinolobus morio 6 AD 7-8/12/06 Vesphdelus vulturnus 3(1 of these is highly probable) AM 7-8/12/06 Scotprepens orion 5 (3 of these are highly probable) AM 2 (2 of these is highly polable) 7-8/12/06 Myotis Macropus AΜ (highly probable) 7-8/12/06 Mormopterus sp. 2 AM 1 Chalinolubus AP 6 7-\$ 12/06 Mornepterus sp.2 jouldii AP 7-8/12/06 Chalinolobus morio or 3 Vespadews p. (probably vulhinus

SUCCESFUL

BIOSIS		Project #: 4200
		Observer: JC& EVB
		Date: 7/12/06
	BIOSIS # 2.	Site ID: A6

Location and timing	<u> 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997</u>						
MGA Zone: 56	Easting 298443	Northing 6211522					
Start time (24 h): 20 : 90	Finish time (24 h): 08:05						
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly					
Location description: Gully: down bottom of track A West Near Creek.							

Cloud cover: 4/8	Moon: Obscired by cloud (rear ful
Wind Direction and speed: Light breeze	Rain: NIL
Temperature (°C):223 Mild.	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Species Accuracy Species Accuracy 7-8/12/06 Chalinolobus gould'in 7-8/12/06 Chalinolobus morio 7-8/12/06 Vespadelus vulturnus AD AM= 3 passes, A Dass AD= 2 prisses AM= 1 DASS pass/high AD=2 pateses, 7-8/12/06 Vespa AD=1 dorlington Pass ph SS Miniopterus schreibers il oceanensis chalinolobus morio or 7-8/12/06 AD=1 pass, AM= y vultures) AP 7-8/12/06 7 Veopadelus sp. (probab Vespadelus davilingponi or. AP Mischreibensii adanensis

20 0 C C C C C C C C C C C C C C C C C C	Anabat S	<b>y</b>	Project	
	Proforma	ENTERED	Observe Date:	11-12/12/06
<b>BIOSIS</b> Location and ti	Biosis Ant	BAT # 1 LOCN	Site ID:	A7 (Same loen A7 (Same loen (so Waypoint 13 on
MGA Zone:		Easting 29184	15	Northing 62118
Start time (24 h)	): 22:00	Finish time (24 h):	15:40	
			)29-1S	LGA: Wollondilly

Weather at start o	f survey					
Cloud cover:	B		Moon:	cant	see	MOON
Wind Direction and	speed: south br	ere-mod	Rain:	Showar	5	
Temperature (°C):	•					
Comments: Dove	townloaded	12/12/0	6			

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

	Species	Accuracy	Species	
1-12/12/07	Chalinolobus gouldii	AM	2 passels ( 1 of these is highly probable	( ه
11-12/12/07	Chalinolobus gouldin	AP	3 passos	
1-12/12/07	Chalinolobus morio	Am	2 passes	
1-12/12/07	Species Chalinolobus gouldii Chalinolobus gouldii Chalinolobus morio Miniopteris schreibersii Oceanensis	AM	2 pass	
7 1				

RIDGE ONABAT Anabat Survey **Project #: 4200** Observer: Gun f RUB Proformann面配. 12-13/12/06-14/12/06 Date: BIOSÎS Site ID: BIOSIS ANABA: #1 Sdal locn free ( 93 Location and timing sances free (1 Easting 298129 Northing 6212895 MGA Zone: Finish time (24 h): 20:30( 13)12/06 + 07:30 14.12.06 16:30,2 Start time (24 h): Map sheet number: 9029-1S LGA: Wollondilly Map sheet Name: Appin Location description: north of boundary +road next free 11 (2 NICHTS) harle of small Weather at start of survey Moon: Cloud cover: ୪ Wind Direction and speed: Rain: Temperature (°C): Comments: On night 12/12-13/12, Anabat set to "on" with flashing red light. On night (3/12/00 14/12 Anabat set to "tape" no flashing red light. Check, ForA12 Cloud cover: Record cover in eights of sky #This Card was left in Educe to card reade Jaine ASEPMATE Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the DATA following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move. Accuracy Species 12-13/12/06 Chalinolobus puldii AP=1 paiss AD 5 passes AM= 2 passes 12-13/12/06 AM 2 passes (highly probable) Véspadetus vulturnus Nyctophilus sp. geoffray; or gouldi AM = 1 pass АD 1 pass 2-13/12/06 Tadarida australis 12-13/12/06 AD 1 pass Chalinolobus gouldi AD 37 passis 13-14/12/06 passes AMES passes (highly probable) Vespadelus vulturus AD 13-14/12/06 13-14/12/06 Vespadelus darlingtoni AD 1 PASS Scotorepens orion 2 (highly probable) AM 13-14/12/06 Mormopherus sp.2 AP pass 1 13-14/12/06 Myotis macropus or AP 13-14/12/06 passes Nyclophilus ep. Chalinolobus morio or <u>Vespadelus sp(pob vulturnus)</u> AP 3 passes . 1 scolorepens orion AP 1 0a 55 11 or Falsistrellus tremaniensis

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ANABOT	aully	ÌF	- NTERE	<b>B</b>		SUCCESSFUL	~
					Project #	•• 4200	
		nabat Su	rvey			r: JC & RV	2
	Pr	oforma			Date: $ 3 /2/06 -  2 /2/06$ Site ID: A10		
	BIOSIS						
	•	ABAT #	r 2	ast dialactic			
~	Location and timin MGA Zone:		Easting 298768		Northing <b>2</b>		
				h): 07 : 40,4-12-06			
	Map sheet Name: A		Map sheet num			LGA: Wollond	illy
	Location descriptio	n: Creek	past Bl	nck	water,	1 NIGHT	
	Weather at start of survey         Moon: Obscured by cloud         Cloud cover:       8/8       Moon: Obscured by cloud         Wind Direction and speed:       breege light       Rain:       NIL         Temperature (°C):       Mild.       NIL         Comments:       Note:-       His Card was left in Joi All because         Card reader failure       # SEPARATE DATA #						
	Cloud cover: Record cover in eights of sky Moon: Record using the following codes: $0=$ None, $1 = \frac{1}{4}$ Moon, $2 = \frac{1}{2}$ , $3 = \frac{3}{4}$ , $4 =$ Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: $0 =$ calm, $1 =$ light, leaves rustle, $2 =$ moderate, branches move, $3 =$ strong, tops of trees move.						
13-14/12/06	Chalinolobus g	oublii	AM	3	passos		
13-14/12/06	Chalinolobus g Vespadelus Ve	alturnus	AM	1	pass		
, <b>т</b>	Miniopterus sc Oceaneusis	hreibersin	AM	2	passe	٥	
1	Myotis macrop Nyclophilus	sp.	AP	1	pass		
		•					
			_				
					:		
	ļ						<b>_ </b>
				_			

ANABAT GULLY

		$\frac{1}{12} - \frac{1}{15/12/06}$				
Easting 2984	65	Northing 6211544				
Finish time (24 h):	8.30 5 2 0	8#30				
	1	LGA: Wollondilly				
Location description: Civily of Brennans creek between Track A Gost & Track A West (access via track A west). Right on creek.						
M	Moon: N/A					
	ain: Nic					
humid						
ins data for	- AID 0	ight of the 13th Dec.				
	Easting 2984 Finish time (24 h): Map sheet number: 9 Chrahs cree Jeot (access	Observe Date: 14 Site ID: Date: 14 Site ID: Site				

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Species	Accuracy	Species Accuracy
Chalinolobus gouldii	AO	139 passes, AM= 31 passes
Chalinolobus morio	AM	1 pass
Vespadelus vulturnus	AM	5 passes
Miniopterus schreibersii Oceanensis	AM	1 pass, AP=1 pass
Scotorepens orion	AM	2 pass (highly probable)
Nyctophilus sp. (geoffrayi or gouldi)	AM	1 pass
Chalinolobus morio or Vispadetus sp.	AP	2 passes
U 4		V

Anabat S Proforma	abat Survey forma		#: 4200 r: RVB + JC 4.12.06 A12			
Location and timing						
MGA Zone: 56	Easting 2978	7	Northing 6211884			
Start time (24 h): (0):00	Finish time (24 h): 🦿	:30 5/12/00				
Map sheet Name: Appin	Map sheet number: 9029-1S		LGA: Wollondilly			
Location description: Anabat #1, Ridge site: track off powerline easement on south-west side of Brennan's Creek. Access through Appin Rd gate.						
Weather at start of survey			<b>7</b>			
Cloud cover: 78 Wind Direction and speed: 5 Temperature (°C): 40+ +	humid Mo		۹			
Comments: Note: disk also c		or A9	, night of the 13th Dec			

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{1}{2}$ ,  $3 = \frac{3}{4}$ , 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Species	Accuracy	Species
Chalinolobus gouldii	AD	9 pass AM = 1
Chalinolobus morio	AD	1 pass A M= 6 (3 of these cue h ight probable)
Vespadelus pumilus	AM	3 passes
Nyclophilus sp. (geoffroyi or gouldi)	MA	2 pass
Marmopturus sp. 2	AD	2 passes
Chalinolobus morio or Vespadelus sp.	AP	3 passes
Myotis macropus or Nyclophilus 3p-	AP	1 pass
		V

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Project #: 4200

Observer: aM, JC, KJC, RVB

Date: 27.11.06 to

Trap ID: ET 1 (Elliot Tree 1)

Location and timing	Start	Finish				
MGA Ante Zone: 56	Easting 299243	Easting				
	Northing 6211618	Northing				
	Time (24 h): 19:15 27.11.06	Time (24 h):				
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly				
Location description: Track A. East (ridge) 7 Trap oldes 27.11.06-7'12.06 (closed over weetend) 7 Trap nights						

Survey Details	
Date Traps set? 27.11.06	Date traps collected?
Type of trap? Elliot B	Dimension of traps (LxWxB)?
Number of traps?	Interval between traps?
Length of transect?	Bait used? Rolled oats, honey, peannt butter. mix
	Honey spray.
Weather at start of survey	
Cloud cover: 8/8	Moon:
Wind Direction and speed: Light Breeze	Rain: Ni
Temperature (°C): Mild	
Comments:	
	in the second

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types				alian ang ang ang ang ang ang ang ang ang a
Ō	Observed (sighted)	R	Road kill	F	Tracks, scratching
W		Ď	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
Т	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
Α	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	L	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

		• • •				به ۱۹۹۵ و ۱۹۹۵ و ۱۹۹۵ و ۱۹۹۵ و ۱۹۹۵ ۱۹۹۹ - ۲۰۰۰ ۱۹۹۹ - ۲۰۰۰ ۱۹۹۹ - ۲۰۰۹ و ۲۰۰۹ و ۲۰۰۹	
Date trap checked	Trap no.	Trap position	Species	Sex	Easting	; Northin	
28 - 11 - 06	ETI	~	None		<u></u>		
29.11.06		•	None				
30.11.06	ETI	-	None				
1.12.06	ETI	-	None				
TRAPS	cia	SED (	NER Weekend	-vep	ened	4112/06	
5-12-06	ETI		None				 
6-12-06	ETI	-	None.				
7.12.06	ETI	-	None.				

# ELLIOTT TREE



Trapping Survey	
Proforma	
Proforma	
L <u>773 JAN 20061 D</u>	Ϊ

Project	#: 4200
Observ	rer: JC RUB, GM, KJC
Date:	28.11.06 to
Trap ID	: ET2

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting 299151	Easting
	Northing 6211624	Northing
	Time (24 h): 08:5028.11.06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description:	Trap dates	5 28.11.00 - 7.12.06
Track A East	(ridge) G Trap r	ights

Survey Details	
Date Traps set? 28 · 11 · 06	Date traps collected?
Type of trap? Ellioff b	Dimension of traps (LxWxB)?
Number of traps?	Interval between traps?
Length of transect?	Bait used? Rolled oats mix + honey spray.

Weather at start of survey	
Cloud cover: 0/8	Moon:
Wind Direction and speed: Ni	Rain: Ni
Temperature (°C): Hot + hund	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the

following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obse	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
Τ	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type		e din e d		
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	<b>II</b> .	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	18	In soil	UB	Under bark
EW	Edge of water	Ī	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UU	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

							••• ••• •	
Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comn	nents
29.11.06	ET2	-	None					
30-11-06	ET2	-	Trap closed but	- en	pty. Ha	d been	moved	lots.
1.12.06	ET2	1	Trap closed by	t e	mpty.			
TRAPS	وصل	sed or	ver weekend	-R	EOPENE	o 4/12/c	ъ	
5-12-06	ETZ	1	Trap closed but	emp	sty.			
6-12-06	ETZ	-	None.					
7.12.06	ET2		None.					
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	· ·							
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Project #: 4200					
Observer: RVBCTC					
Date: 28/11/06 to					
Trap ID: ET3 (Elliot hee3)					

Location and timing	Start	Finish	
MG 4) MG Zone: 56	Easting 298990	Easting	
	Northing 6211607	Northing	
	Time (24 h): 03-30 11:15	Time (24 h):	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly	
Location description:	Trap	ates: 28/11/06 - 7/12/06	
Track A Eas	st. (ridge) (close	d over meeterd)	
	U GTIAF	811es:28/11/06 - 7/12/06 d over weeterd) > Nights	

Survey Details	
Date Traps set? 28/11/06	Date traps collected?
Type of trap? Elliot B	Dimension of traps (LxWxB)?
Number of traps? \	Interval between traps?
Length of transect?	Bait used? Rolled Oaks honey & peanut butte
	Honey Spray
Weather at start of survey	
Cloud cover: NIL	Moon: N/A
Wind Direction and speed: Very light breeze 1	Rain: MIL
Temperature (°C): Hot & humid	
Comments:	

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

	ervation types			i Pala	
0		R	Road kill	F	Tracks, scratching
	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	<b>C</b>	Cat kill	M	Miscellaneous
Ť	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	<b>I</b> L	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date							
trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
29.11.06	ET3		None		<u>.</u>	· · · ·	
30.11.06	ET3	-	None				
1.12.06			None				
TRAPS	er	SED OV	ER WEEKEND -	reop	ened 41	206	
5-12-06	ET3	~	None				
6-12-06	Et3		None None				
7.12.06	ETZ		None	 			
						· · ·	
							· ·
		· · ·					

#### ELLIOTT THEE

	Trapping Survey	Project #: 4200
	Proforma	Observer: RVB
	-	Date: 28.11.06
BIOSIS	E RUI FREED	Trap ID: ET4

Location and timing	Start	Finish
AMG Zone: 5b	Easting 298945	Easting
	Northing 6211594	Northing
	Time (24 h): 14 - 30 28-11-06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description:	Trap Dates: 28	11106 - 7/12/06
Track A East	Trap Dates: 28 (ridge) Cclosed quer 6 Trap nights	weekend)

KJC, GM

Survey Details	
Date Traps set? 28.11.06	Date traps collected?
Type of trap? Ellioth B	Dimension of traps (LxWxB)?
Number of traps?	Interval between traps?
Length of transect?	Bait used? Rolled ogts mix + honey spray

Weather at start of survey	
Cloud cover: $1/8$	Moon:
Wind Direction and speed: Light breeze	Rain: Ni
Temperature (°C): Hot + Munid	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types				za de la companya de La companya de la comp
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
29-11.06	ЕТ4		None			: :	
30-11-06			None				
1.12.06	ET4	-	None				
TRAP	cios	BED C	ver weekend	- v	eppened	1 4/12/0	6
5-12-06			None.				
6-12-06	ET4	-	None				
7.12.06	ET4		None				
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						<i>,</i>	
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7.16	Trapping Survey
	Proforma
BIOSÌS	ENTERED
	3 JAN 71110

Project #: 4200	
Observer: GM, KJC, RUB, JC	2
Date: 28.11.06 to	
Trap ID: ET5	

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting 298511	Easting
	Northing 6211565	Northing
	Time (24 h):	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description:		
Gully (access	offend of Track A Ec	ast).

Date Traps set? 28.11.06	Date traps collected?
Type of trap? Elliot B	Dimension of traps (LxWxB)?
Number of traps?	Interval between traps?
Length of transect?	Bait used? Roled out mix + honey So

Weather at start of suryey	
Cloud cover: $7/8$	Moon:
Wind Direction and speed: Light greeze	Rain: N
Temperature (°C): Not + humid	
Comments: Mountain Dragon XI (0)	) in leaf litter.

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the

following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

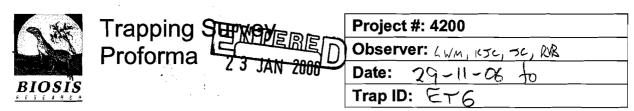
Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log		In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	ÍŴ	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

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Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
<b>2</b> 9.11.06	ET5	1	None				
30.11.06	ETS	•	Trap 3/4 closed	but	enoty.		
1.12.06	ET5						
TRAP	درمه	ED D	ver lieekend	-v	eopenes	2 4/12/0	6
9-12-06	ET5	-	None				
6-12-06	ET5	-	None				
7.12.06	ET5		None				
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#### ELUOTT TREE



Location and timing	Start	Finish
MCA AMG Zone: 56	Easting 0298535	Easting
WATPOINT 2 ON GPS 4	Northing 6211584	Northing
Accuser 8m	Time (24 h): 11:30 24 11. 06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: EIV of	Prin tree enear	LIPS of track
at top of	gully. Also 3 hair	tubes, 1 midnay
	on trunk, one m	LHS of track tubes, I mid-way Branksia ton love finde

		and a second	apr
Survey Details			she
Date Traps set?	29-11-06	Date traps collected?	1
Type of trap?	Ellist B TrRE	Dimension of traps (LxWxB)?	
Number of traps?	One	Interval between traps?	
Length of transect?	NIA	Bait used? And onto Mix + boney so	pray

Cloud cover:	Moon:
Wind Direction and speed: STRONG	Rain: NIL
Temperature (°C): 20 - 30	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types				
0	Observed (sighted)	R	Road kill	R	Tracks, scratching
W	Heard call	D	Dog kill	2	In raptor/owl pellet
X	In scat	С	Cat kill	Μ	Miscellaneous
Т	Trapped or netted	V	Fox kill	E	Nest or roost
Ħ	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	L	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BÜ	In building	IG	In grass	OR	On rock
СК	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	I	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

				. `		х. 	
Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
30.11.06	, ET6	-	None				
1.12.06	ET6	-	None				
TRAP	Clos	ED ove	Le weekend-1	ent	ened 4	112/06	
5-12-05	ET6	-	None, None				
6.12-06	E16		None.				
7.12-06	ETG	40EV	None				
	·						
- 3- X.,							
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# ELLIOTT TKEE

	Trapping Survey	Project #: 4200
NG.	Proforma	Observer: RVO, KJC, GWM, JZ
		Date: 30.11.06 h
OSIS		Trap ID: F工备7

Location and timing	Start	Finish
MGA AMOZone: 56	Easting 298359	Easting
	Northing 6211532	Northing
	Time (24 h): 17:30 30-11-06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Track A West -	- Cually - LHS o	A track when facing
	$\mathcal{L}$	creek.

Date traps collected?
Dimension of traps (LxWxB)?
Interval between traps?
Bait used? Roled cat mix + honey soray

Cloud cover: 8/8	Moon:
Wind Direction and speed: Light breeze	Rain: None
Temperature (°C): Mild U	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types		
O Observed (sighted)	<b>R</b> Road kill	<b>F</b> Tracks, scratching
W Heard call	<b>D</b> Dog kill	<b>Z</b> In raptor/owl pellet
X In scat	C Cat kill	M Miscellaneous
<b>T</b> Trapped or netted	<b>V</b> Fox kill	<b>E</b> Nest or roost
Hair or feathers	Shot	Y Bones or teeth
A Stranded/beached	<b>I</b> Fossil/sub-fossil	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
ĊK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	П	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
1.12.06	ET7	<u>economia de la conomia de</u>	None				
TRAP (	CLOSE	D OVER	L WEEKEND _ re	open	ed 4/12	106	
5.1Z-06	ET7		None				
5.12-06 7.12-06	ET7	-	None				
7-12-06	ET7	5	None				

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### ELLIOTT TREE

Trapping Proforma	•	Project #: 4200 Observer: kJC, RUB, JC, GWM Date: 30.11.06 fo Trap ID: E T 8		
Location and timing	Start		Finish	
MGA AMG Zone: 56	Easting 2984	19	Easting	
	Northing 6211	463	Northing	
	Time (24 h): 18:20	12.11.06	Time (24 h):	
Map sheet Name: Appin	Map sheet number: 90	29-1S LGA: Wollondilly		
	Cully - RHS a approx	f track opposit	e ET7.	
Survey Details		te traps colle	cted?	
Type of trap? Elliott B		Dimension of traps (LxWxB)?		
Number of traps?		Interval between traps?		
Length of transect?	Ba	Bait used? Rolled oats mix + honey spray.		
Weather at start of survey				
Cloud cover: 8/8	, <u>M</u>			
Wind Direction and speed: 5+	Ra	in: None		
Temperature (°C): Mid				
Comments:				

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the

following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types	Ř. da s			
0		R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached		Fossil/sub-fossil	N	Not located

Micro	habitat Type	- 2.000			
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log		In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	ŪL	Under log
GR	On ground	LS	Low shrub	ŪR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap trap theoreted     Trap no.     Trap position     Species     Sex     Easting     Northing     Comments       1:12-06     ETS     -     None     -     -     -     -       TRAP     CLOSED     OLEC     VEEKEND     -     RCOPEAVED     4/12/06       5:12-06     ETS     -     None     -     -     -       6:12-06     ETS     -     None     -     -       7:12-06     ETS     -     None     -     -       10     -     -     None     -     -       11     -     -     -     -     -       11     -     -     -     -     -     -       12     -     -     None     -     -     -       13     -     -     -     -     -     -       14     -     -     -     -     -     - <t< th=""></t<>
TRAP       CLOSED       OVER WEEKEND       -       Reopensed       4/12/06         5·12·06       ET8       -       None       -       -         6·12·06       ET8       -       None       -       -         7·12·06       ET8       -       None       -       -         -       None       -       -       -       -         -       -       None       -       -       -         -       -       -       -       -       -       -         -       -       -       -       -       -       -       -         -       -       -       -       -       -       -       -       -         -       -       -       -       -       -       -       -
5.12.06 ETB - None 6.12.06 ETB - None 7.12.06 ETB - None 
Image: Second

# ELLIOTT TREE

Trappin Proform	g Survey na	Observe	Project #: 4200 Observer: KJC, am, RVB, JC		
	TEANEDOG)	Date: 30 11 06 to Trap ID: ET9			
Location and timing	Start		Finish		
MGA AMG Zone: 56	Easting 2984	69	Easting		
	Northing 6211	506	Northing		
	Time (24 h): 19:25	30-11-06	Time (24 h):		
Map sheet Name: Appin	Map sheet number: 90				
track A West	fr	u-thest	ack when facing creet		
	<u>·</u>				
Survey Details Date Traps set? 30-11.06					
Survey Details Date Traps set? 30-11.06 Type of trap? Ellioft	b Da B Di	te traps colle mension of tr	cted? aps (LxWxB)?		
Survey Details Date Traps set? 30-11.06 Type of trap? E11:04 Number of traps?	b Da <b>b</b> Da <b>b</b> Di Int	ite traps colle mension of tr erval betwee	cted? aps (LxWxB)? n traps?		
Survey Details         Date Traps set?       30-11.06         Type of trap?       E11.54         Number of traps?       1         Length of transect?       1	b Da B Di Int Ba	te traps colle mension of tr erval betwee it used? (کوال	cted? aps (LxWxB)? n traps? ed oats mix + honey sprz		
Survey Details Date Traps set? 30-11.06 Type of trap? E116 Number of traps? 1 Length of transect? Weather at start of survey	5 Da 6 Di Int Ba	ite traps colle mension of tr erval betwee it used? (	cted? aps (LxWxB)? n traps?		
Survey Details Date Traps set? 30-11.06 Type of trap? E11:04 Number of traps? 1 Length of transect? Weather at start of survey Cloud cover: $\frac{8}{8}$	b b b b b b b b b b b b b b b b b b b	ite traps colle mension of tr erval betwee it used? (Coll con:	cted? aps (LxWxB)? n traps? ed oats nix + honey sprz		
Survey Details Date Traps set? 30-11.06 Type of trap? E11:54 Number of traps? 1 Length of transect? Weather at start of survey Cloud cover: 8/8 Wind Direction and speed:	b b b b b b b b b b b b b b b b b b b	ite traps colle mension of tr erval betwee it used? (	cted? aps (LxWxB)? n traps? ed oats nix + honey sprz		
Survey Details Date Traps set? 30-  .06 Type of trap? E  :04 Number of traps?   Length of transect? Weather at start of survey Cloud cover: $\frac{8}{8}$	b b b b b b b b b b b b b b b b b b b	ite traps colle mension of tr erval betwee it used? (Coll con:	cted? aps (LxWxB)? n traps? ed oats nix + honey sprz		
Survey Details         Date Traps set?       30-11.06         Type of trap?       E1164         Number of traps?       1         Length of transect?         Weather at start of survey         Cloud cover:       8/8         Wind Direction and speed:         Temperature (°C):       M1	b b b b b b b b b b b b b b b b b b b	ite traps colle mension of tr erval betwee it used? (Coll con:	cted? aps (LxWxB)? n traps? ed oats nix + honey sprz		

Moon: Record using the following codes: 0=None,  $1 = \frac{14}{4}$  Moon,  $2 = \frac{34}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types							
Observed (sighted)	<b>R</b> Road kill	<b>F</b> Tracks, scratching					
W Heard call	<b>D</b> Dog kill	<b>Z</b> In raptor/owl pellet					
X In scat	C Cat kill	M Miscellaneous					
T Trapped or netted	<b>V</b> Fox kill	<b>E</b> Nest or roost					
Hair or feathers	Shot	Y Bones or teeth					
A Stranded/beached	<b>I</b> Fossil/sub-fossil	Not located					

Micro	habitat Type			le vieu	
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	<b>L</b>	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
1.12.06	ET9	-	None				
-TRAF	CLO	DSED C	iver weeken	D	RE-OPE	ened	4/12/06
5-12-06	ET9		None				
<b>5</b> :12-06	ET9		None None				
7-12.06	E79	ļ	None				
				,			

Trapping Sur	Vev Project #: 4200
Proforma	Observer: KJC, GWH, KVB, J
	Date: 30-11.06 to
<u>sis</u> <b>Ente</b> re	Trap ID: ETIO

Location and timing	Start	Finish						
S6 AMG Zone: S6	Easting 298441	Easting						
	Northing 6211505	Northing						
	Time (24 h): 20:30 30.11-66	Time (24 h):						
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly						
Location description: Track A West - Cully - RHS of track when facing creek, closest to track.								

Date Traps set? 30-11-06	Date traps collected?
Type of trap? Elliott B	Dimension of traps (LxWxB)?
Number of traps?	Interval between traps?
Length of transect?	Bait used? Rolled Dats mix + honey spin

Weather at start of survey	
Cloud cover: 8/8	Moon: Half
Wind Direction and speed: 5 5	Rain: None
Temperature (°C): Mid	
Comments:	

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obse	Observation types							
0	Observed (sighted)	R	Road kill	F	Tracks, scratching			
W	Heard call	D	Dog kill	2	In raptor/owl pellet			
X	In scat	C	Cat kill	M	Miscellaneous			
T	Trapped or netted	V	Fox kill	E	Nest or roost			
H	Hair or feathers	S	Shot	Y	Bones or teeth			
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located			

Micro	habitat Type	e an			
	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	<b>I</b> L:	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	II	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	ŪL.	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
1.12.06	ETIC		None			х. 	
TRAP	(JO)	sed o	VER weeken	0 -	veope	ned 4(1	2106
5.12.06	ETIO	-	None				
6-12-06	έτιο	4	None				
7-12-06	ETH		None				
				1			
				1			

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<b>N</b>	
BIOSIS	5

Trapping Survey	Project #: 4200
• •	Observer: KC/
ProformaneD	Date: (1/12/06
28 JAN 2006	Trap ID: ET II

NB

	Trap ID:	ETII (Ridge)
an and a state of the		
Location and timing	Start	Finish
AMG Zone: 56	Easting 298129	Easting
	Northing 62112895	Northing
	Time (24 h): 0 ; 30	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Sealed	tareat road off b	aundary track
RIDGE		

Survey Details	
Date Traps set? 11/12/06	Date traps collected?
Type of trap? ELLIOT B TREE TRAP	Dimension of traps (LxWxB)?
Number of traps?	Interval between traps?
Length of transect? —	Bait used? Rolled oats horay & peaked for
	<del></del>

Weather at start of survey Cloud cover:	Moon: N/A
Wind Direction and speed: NIL	Rain: NIL
Temperature (°C): HOT & humid	
Comments:	· · · ·

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	<b>Z</b>	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
T	Trapped or netted	v	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	Ĩ	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B *		OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	Ш	In litter	RD	On road
DA_	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT .	In live tree	UC	Upper canopy
FC	In/on post or stump	IW_	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL.	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	o Trap position	Species	Sex	Easting	Northing	Comments
		NIL				
12/12 13/12 14/12 15/12		NIL ML NIL NIL				
14/12		NIL				
15/12		NIL				
		0				
					, ,	2
<u> </u>						

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rofo	orma
23	JAN 2006

Project #: 4200	
Observer: KJC & EVB	
Date: 11/2/06	
Trap ID: ET12	

Location and timing	Start	Finish
MGA AMG Zone: SG	Easting 298135	Easting
	Northing 6212905	Northing
	Time (24 h): 11:00	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: RIDG	E-tarred rood off	boundary track

Survey Details	
Date Traps set? 11/12/06	Date traps collected? 11/12/06
Type of trap? TREE ELLIOT B	Dimension of traps (LxWxB)?
Number of traps?	Interval between traps? —
Length of transect? —	Bait used? rolled outs

Weather at start of survey	
Cloud cover: 🔿	Moon: N/A
Wind Direction and speed: NIL	Rain: NIL
Temperature (°C): Hot & hunid	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	Observation types					
0	Observed (sighted)	R	Road kill	F	Tracks, scratching	
W	Heard call	D	Dog kill	Z	In raptor/owl pellet	
X	In scat	C	Cat kill	M	Miscellaneous	
Т	Trapped or netted	V	Fox kill	E	Nest or roost	
H	Hair or feathers	S.	Shot	Y	Bones or teeth	
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located	

Microl	Microhabitat Type						
AC	Flying above canopy	B	In burrow	OB	On beach sand		
BR	In/on bridge	IC	In cave	OL	On log		
BU	In building	IG	In grass	OR	On rock		
CK	Crevice in rock	IH	In tree hollow	OW	Over water		
CL	Crevice in log	<b>I</b>	In litter	RD	On road		
DA	Farm/fire dam	R	In reeds	ТК	ON trunk		
DT	In dead tree (stag)	IS	In soil	UB	Under bark		
EW	Edge of water	IT	In live tree	UC	Upper canopy		
FC	In/on post or stump	IŴ	In water	UG	Undergrowth		
FL	Flying within canopy	LC	Lower canopy	UL	Under log		
GR	On ground	LS	Low shrub	UR	Under rock		
HS	High shrub	MC	Mid canopy	WH	Waterhole		

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
הורו			NIL				
13/12 14/12 (5)12			NIL ML NIL NIL				
14/12			NIC				
\s)12			ML				
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Trapping Surve	у
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Project #: 4200	
Observer: KJC & EVB	
Date: 11/12/06	
Trap ID: ET 13	

Location and timing	Start	Finish	
MLAN AMG Zone:	Easting 298(45	Easting	
	Northing 62(2933	Northing	
	Time (24 h):	Time (24 h):	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly	
Location description: RIDGe	E - see threed road	off boundary	

Survey Details	
Date Traps set? \\ /12/06	Date traps collected?
Type of trap? ELLIOT B TREE	Dimension of traps (LxWxB)?
Number of traps? [	Interval between traps?
Length of transect?	Bait used? rolled Dats honey peaked but

Weather at start of survey	
Cloud cover: NIL	Moon: N/A
Wind Direction and speed: NIL	Rain: NIL
Temperature (°C): (for khumid	
Comments:	

Cloud cover: Record cover in eights of sky

Obs	Observation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	С	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type	Ver gener			
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC_	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	II.	In litter	RD	On road
DA_	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	<b>I</b>	In live tree	UC	Upper canopy
FC	In/on post or stump	IW_	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
2/12			NIL				triggered bait still i
3/12			NIL				triggered b bast shill
4/12			NIL				ė
15/12			NIL NIL NIL	•			hothing
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Project #: 4200	
Observer: Ktc & RVB	_
Date: 11/12/06	
Trap ID: $\leftarrow 14$	

Location and timing	Start	Finish
MLA AMG Zone: 56	Easting 298101	Easting
	Northing 6213630	Northing
	Time (24 h):	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: tarre	I road off boundary	) track

Survey Details	
Date Traps set? $11/12/06$	Date traps collected?
Type of trap? ELLIOT B TREE	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps?
Length of transect? —	Bait used? rolled sals honey & panulant

Weather at start of survey	
Cloud cover: NIL	Moon: $N/A$
Wind Direction and speed: NIL	Rain: ML
Temperature (°C): Hot & humid	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
Т	Trapped or netted	V .	Fox kill	E	Nest or roost
Ħ	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log		In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	*IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap Trap no. positio	on Species	Sex	Easting	Northing	Comments	
12/12		NIL		а. 			
13/12 14/12	<b> </b>	NIL NIL NIL					
	<u> </u>	NIC				Trap still oper but moved me	ostly off
15/12	<b> </b>	NL				· ·	shelt. Re-positir
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Project #: 4200					
Observer: KJC & KUB					
Date: 11/12/06					
Trap ID: ETIS RIDGE					

Location and timing	Start	Finish
AMG Zone: 56	Easting 298231	Easting
	Northing 6241416	Northing
	Time (24 h):	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: RID (Dad, Landing)	GE: track Aphrongh to Breman's Creek g (Track A west)	gale near main ully

Survey Details	
Date Traps set? (1/12/06	Date traps collected?
Type of trap? CLIOT B TREE	Dimension of traps (LxWxB)?
Number of traps? ## 1	Interval between traps?
Length of transect?	Bait used? Diled oats hoven peannt but

Cloud cover: NIL	Moon: $N/N$
Wind Direction and speed: NIL	Rain: N/L
Temperature (°C): Hot & hum d	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	ervation types				
0	Observed (sighted)	R	Road kill	E	Tracks, scratching
W	Heard call	D	Dog kill	<b>Z</b>	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
Т	Trapped or netted	V	Fox kill	E	Nest or roost
Ħ	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type			n vijest	
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
, HS ··	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	p Trap position	Species	Sex	Easting	Northing	Comments
12/12		NIL	4			
12/12 13/12 14/12 15/12		NIL NIL NIL				
14/12		NIC			_	
15/12		NIL				
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		,				

Trapping Survey Proforma 「日本語意味」

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BIOS

Project #: 4200	
Observer: KJC & RVB	
Date: 11/12/06	

Trap ID: ETIG RIDGE

	ZUUD	
Location and timing	Start	Finish
MGA AMGZone: 56	Easting 298206	Easting
	Northing 6211434	Northing
	Time (24 h):	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: T(a c	k A West	

Survey Details	
Date Traps set? 11/12/06	Date traps collected?
Type of trap? CILLOT B TREE	Dimension of traps (LxWxB)?
Number of traps?	Interval between traps? _
Length of transect? —	Bait used? rolled oats horen & pearing how

Weather at start of survey	
Cloud cover: O	Moon: $N/A$
Wind Direction and speed: NIL	Rain: NIL
Temperature (°C): Hol & humid	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Obs	Observation types							
0	Observed (sighted)	R	Road kill	F	Tracks, scratching			
W	Heard call	D	Dog kill		In raptor/owl pellet			
X	In scat	C	Cat kill	M	Miscellaneous			
T	Trapped or netted	V	Fox kill	E	Nest or roost			
H	Hair or feathers	S	Shot	Y	Bones or teeth			
A	Stranded/beached	Į	Fossil/sub-fossil	N	Not located			

Micro	nabitat Type				
AC	Flying above canopy	IB	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	Π	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	ŪC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments	
checked		T genning gegigningejone	Petaurus banceps NIL NIL NIL		Mar Pe		BW 403 BtG WEIGUT= 1370	197 Toul -
l	ET 16	TREE	banceps		Rag .	'	WEIGHT= 1Stg	À 180
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14/12	+		NIL	<b>↓</b> '	<u> </u> '	<b> </b> '		
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Project #: 4200							
Obser	ver: KTC & EVB						
	11/12/06						
Trap II	DEFIT (EIDGE)						

Location and timing	Start	Finish
MGA AMG Zone: SG	Easting 298245	Easting
	Northing 6211379	Northing
	Time (24 h):	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: TRAC	K A WEST	

Survey Details	
Date Traps set? 11/12/06	Date traps collected?
Type of trap? TREE ELLIOT B	Dimension of traps (LxWxB)?
Number of traps?	Interval between traps? —
Length of transect? —	Bait used? rolled sats haven pearer but

Weather at start of survey	
Cloud cover: 🔗	Moon: N/K
Wind Direction and speed: light Greeze	Rain: NIL
Temperature (°C): Hot	
Comments:	

Cloud cover: Record cover in eights of sky

Obs	Observation types						
0	Observed (sighted)	R	Road kill	F	Tracks, scratching		
W	Heard call	D	Dog kill	Z	In raptor/owl pellet		
X	In scat	Ċ	Cat kill	M	Miscellaneous		
T	Trapped or netted	<b>V</b>	Fox kill	E	Nest or roost		
H	Hair or feathers	S	Shot	Y	Bones or teeth		
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located		

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
СК	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	<b>IT</b>	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

	Comments	Northing	Easting	Sex	Species	p Trap position	Date trap checked
					NIL		18/12
	<u> </u>				NIL		13/12
open X nove	Trap still op but slightly			_	NIL		14/12
					NIL	_	15)12
_							
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Tr	apping	Survey	Project #	<b>!: 4200</b>	
Proforma		<b>-</b>	Observer: KTC & RVB		
		•	Date: ))	/12/06	
BIOSIS			Trap ID:	ET 18	
Location and timi		Start		Finish	
Ma A AMG Zone: 56		Easting <b>298</b> 25	77	Easting	
		Northing 6201	405	Northing	
	·	Time (24 h):		Time (24 h):	
Map sheet Name: Appin		Map sheet number: 9029-1S		LGA: Wollondilly	
Location descriptio	n: A West				

Survey Details	
Date Traps set? $II/12/06$	Date traps collected?
Type of trap? TREE ELLIOT B	Dimension of traps (LxWxB)?
Number of traps? \	Interval between traps?
Length of transect?	Bait used? rolled oals hoven peamil Lu

Cloud cover: $\frac{q}{4}$	Moon: $\mathcal{N}/\mathcal{A}$
Wind Direction and speed: Greeze	Rain: N/
Temperature (°C): Hot	
Comments:	

Cloud cover: Record cover in eights of sky

÷.,

Moon: Record using the following codes: 0=None,  $1 = \frac{1}{4}$  Moon,  $2 = \frac{3}{4}$  Moon, 4 = Full. Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the

following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types		
Observed (sighted)	<b>R</b> Road kill	<b>F</b> Tracks, scratching
W Heard call	<b>D</b> Dog kill	<b>Z</b> In raptor/owl pellet
X In scat	C Cat kill	M Miscellaneous
<b>T</b> Trapped or netted	V Fox kill	<b>E</b> Nest or roost
Hair or feathers	S Shot	<b>Y</b> Bones or teeth
A Stranded/beached	<b>I</b> Fossil/sub-fossil	Not located

Micro	habitat Type	ALC I			
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	H	In tree hollow	OW	Over water
CL	Crevice in log	IL.	In litter	RD	On road
DA	Farm/fire dam	IR	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	<b>IT</b>	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Commen
12/12	-		triggened but NIL				
13/12			NIL				
14/12			NIL				
13/12 14/12 (5/12	-		NIL				
-							
in the second se							·.

4



Project #: 4200	
Observer: KJC & RVB	
Date: 12/06	
Trap ID: ET 19	

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting 298291	Easting
	Northing 6277438	Northing
	Time (24 h):	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description:	· · · · · · · · · · · · · · · · · · ·	·

Track A West

Survey Details	
Date Traps set? $11/12/06$	Date traps collected?
Type of trap? TREE ELLIOT B	Dimension of traps (LxWxB)?
Number of traps?	Interval between traps?
Length of transect?	Bait used? 10 led oats horen & pearment 4

Weather at start of survey	
Cloud cover: $\ll / \checkmark$	Moon: $N/A$
Wind Direction and speed: breeze	Rain: NIL
Temperature (°C): 1+0+	
Comments:	

Cloud cover: Record cover in eights of sky

Obs	Observation types						
0	Observed (sighted)	R	Road kill	F	Tracks, scratching		
W	Heard call	D	Dog kill	Z	In raptor/owl pellet		
X	In scat	C	Cat kill	M	Miscellaneous		
Т	Trapped or netted	V	Fox kill	E	Nest or roost		
H	Hair or feathers	S	Shot	Y	Bones or teeth		
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located		

Micro	habitat Type			<u> Et a</u> t	
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	IL	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	<b>IT</b>	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	U	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting .	Northing	Commer	ats the Room
(3/12	eng	Tree	Petaurus breviceps	unler	an. e white tip	scaped to on tail	efore (D	: 10t d from
42/12			Petrons		-weight	mit brg)	-1782 \$	ma only Sla
14/12	ETIP	Me.	Petaurus brevicops fetaurus brevicops		-neight( glider u	verget = ].	279	bag: 519
1412	Etig	Tree	presideps		Glider	weight =	6 <b>0</b> g	
								<u> </u>
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								· · ·
			-					



Project #: 4200	-
Observer: RVB, KJC	
Date: ////2/06	•
Trap ID: ET20 (RIDGE)	_

Location and timing	Start	Finish
MGA AMCZone: 56	Easting 297762	Easting
ET 20	Northing 6212023	Northing
	Time (24 h): 11 (2/06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Easen	ent track west - R	LIDGE

Survey Details					
Date Traps set? 11 12 06	Date traps collected?				
Type of trap? Elicot B	Dimension of traps (LxWxB)?				
Number of traps?	Interval between traps? N/A				
Length of transect? N A	Bait used? Kolled outs + honey				

Weather at start of survey	
Cloud cover: 8 8	Moon: 7 ?
Wind Direction and speed: Slant	breeze Rain: spitting + thunder
Temperature (°C): HoT	
Comments:	

Cloud cover: Record cover in eights of sky

Observation	ı types				
O Observ	ved (sighted)	R	Road kill	F	Tracks, scratching
W Heard	call	D	Dog kill	Z	In raptor/owl pellet
X In scat		C	Cat kill	M	Miscellaneous
T Trappo	ed or netted	V	Fox kill	E	Nest or roost
	r feathers	S	Shot	Y	Bones or teeth
A Strand	ed/beached	j. I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	İH	In tree hollow	OW	Over water
CL	Crevice in log		In litter	RD	On road
DA	Farm/fire dam	R	In reeds	ТК	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy		Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
12/12		1 · · · · · · · · · · · · · · · ·	NL			·	
13/12			ML februrus Me breijegs				
14/12 15/12			februrus periceps		alide	- weight.	t ⁰ g bog orly- = 100y
15/12			ML				, · ·



2 3- AN 2006

Project #: 4200				
Observer: KJC, KVB				
Date: 11/12/06				
Trap ID: ET21 (RIDGE)				

Location and timing	Start	Finish
MCIA AMG Zone: 56	Easting 297781	Easting
souch as	Northing 6212016	Northing
	Time (24 h): 11 /2 06 16.00	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Easewe	at track west - R.	idge

Survey Details	
Date Traps set? 11 12 10 6	Date traps collected?
Type of trap? Ellior B	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps? N/A
Length of transect? N/A	Bait used? Rolled oats + honey spraw

Weather at start of survey	
Cloud cover: 88	Moon: ?
Wind Direction and speed: Slight breeze (1)	Rain: Spitting
Temperature (°C): HoT	
Comments:	

Cloud cover: Record cover in eights of sky

Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
Т	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	habitat Type				
AC	Flying above canopy	<b>IB</b>	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	ÓR	On rock
CK	Crevice in rock	IH	In tree hollow	OW	Over water
CL	Crevice in log	<b>I</b> .	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked Easting Northing Trap no. Trap position Sex Species Comments 12/12 NIL 13/12 14/12 15/12 NIL Trap still open but slightly moved 176g will bog + buit 120 bry 1/1. Lev = (24) NE Pif-iurus prenceps 0



ENTERED 23 JAND

Project #: 4200	
Observer: KJC, RVB.	
Date: 1/12/06	
Trap ID: ET22 (RIDGE	

Location and timing	Start	Finish
MGA AMGZone: 56	Easting 297808	Easting
	Northing 6212002	Northing
	Time (24 h): 11 (206	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Easenne	it track west - Ridge	

Survey Details	
Date Traps set? 11 12 06	Date traps collected?
Type of trap? Elliof B	Dimension of traps (LxWxB)?
Number of traps?	Interval between traps? N/A
Length of transect? NA	Bait used? rolled oarts + Longen spran

Weather at start of survey	
Cloud cover: 88	Moon: ?
Wind Direction and speed:	Rain: O
Temperature (°C): 30 Hot	
Comments:	

Cloud cover: Record cover in eights of sky

Obs	ervation types				
0	Observed (sighted)	R	Road kill	F	Tracks, scratching
W	Heard call	D	Dog kill	Z	In raptor/owl pellet
X	In scat	C	Cat kill	M	Miscellaneous
T	Trapped or netted	V	Fox kill	E	Nest or roost
H	Hair or feathers	S	Shot	Y	Bones or teeth
A	Stranded/beached	I	Fossil/sub-fossil	N	Not located

Micro	nabitat Type				
AC	Flying above canopy	B	In burrow	OB	On beach sand
BR	In/on bridge	IC	In cave	OL	On log
BU	In building	IG	In grass	OR	On rock
CK	Crevice in rock	H	In tree hollow	OW	Over_water
CL	Crevice in log	ÎL	In litter	RD	On road
DA	Farm/fire dam	R	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
EW	Edge of water	IT	In live tree	UC	Upper canopy
FC	In/on post or stump	IW	In water	UG	Undergrowth
FL	Flying within canopy	LC	Lower canopy	UL,	Under log
GR	On ground	LS	Low shrub	UR	Under rock
HS	High shrub	MC	Mid canopy	WH	Waterhole

Date trap checked	Trap no.	Trap position	Species	Sex	Easting	Northing	Comments
12/12			N/L			•	
13/12			N/L NIL NIL				
14/12			NIC				
15/12			NIL				
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						<b>,</b>	