

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.



Spotlighting Survey
 Proforma **ENTERED**
 22 JAN 2008

Project #: 4200
 Observer: JC + RVB
 Date: 4-12-06
 Site ID: SF1 ~~116~~ (spotlight frog 1)

GPS 4

Location and timing	Start SF1-S	Finish SF1-F
MCA AMG Zone: 56	Easting <input type="text" value="298468"/>	Easting <input type="text" value="298329"/> <i>116</i>
	Northing <input type="text" value="6211542"/>	Northing <input type="text" value="6211676"/>
	Time (24 h): 22:10	Time (24 h): 23:25
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Track A west - Cully - heading west.		

Note:
fast-flowing
water.

Survey Details	
Number of surveyors? 2	Total effort (person hours)? 2
Number of hectares covered? 200m transect.	5mins listening, 70 mins spotlight.

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

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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



Spotlighting Survey Proforma

Project #: 4200
Observer: JC + RVR
Date: 5.12.06
Site ID: SF 2

GPS 4

Location and timing	Start SF2S	Finish SF2F
MGA AMG Zone: 56	Easting 298908	Easting 299162
	Northing 6211325	Northing 6211361
	Time (24 h): 00:28	Time (24 h): 01:33
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Near Black Water - stream north of Black Water, transect heading upstream.		

Note: Fast flowing water.

Survey Details	
Number of surveyors? 2	Total effort (person hours)? 2
Number of hectares covered? 400m transect 260m	5min listening + 1hr spotlight

Weather at start of survey	
Cloud cover: 0/8	Moon: Full
Wind Direction and speed: Still	Rain: None
Temperature (°C): Cool	
Comments: 3x water dragons (G) + 1x wood duck (H)	

Cloud cover: Record cover in eighths of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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



Spotlighting Survey Proforma

GPS 4

ENTERED
22 JAN 2006

Project #: 4200
Observer: JC + RVB
Date: 5.12.06
Site ID: SF3

Location and timing	Start SF3S	Finish SF3F
MCA AMG Zone: 56	Easting 297684	Easting 297822
	Northing 6212688	Northing 6212551
	Time (24 h): 03:12	Time (24 h): 03:42
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Dam, east bank. 200m in half time due to lack of habitat.		

Survey Details	
Number of surveyors? 2	Total effort (person hours)? 1.0
Number of hectares covered? 200m transect	

Weather at start of survey	
Cloud cover: 0/8	Moon: Full
Wind Direction and speed: Still	Rain: None
Temperature (°C): Cold	
Comments: Crinia signifera x 4 outside transect. (H). 1x water dragon (o). 1x wood duck (o)	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3= ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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



Spotlighting Survey Proforma

ENTERED
22 JAN 2006
GPS 4

Project #: 4200
Observer: JC + RVB
Date: 6-12-06
Site ID: SF4

Location and timing	Start SF4S	Finish SF4F
MGA AMG Zone: 56	Easting 298472	Easting 298524
	Northing 6211537	Northing 6211511
	Time (24 h): 22:20	Time (24 h): 22:40
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Track A West - Cully - heading east.		

Survey Details	
Number of surveyors? 2	Total effort (person hours)? 0.67
Number of hectares covered? 200m transect = 60m	

Water Dragon x1 (0).

Weather at start of survey	
Cloud cover: 7/8	Moon: None Waxing Full
Wind Direction and speed: Moderate variable	Rain: None
Temperature (°C): Mild	
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 = 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 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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



Spotlighting Survey Proforma

ENTERED 27 JAN 2006

GPS 4

Project #: 4200
Observer: KUB + JC
Date: 7-12-06
Site ID: SF5

Location and timing	Start SF5S	Finish SF5F
MCA AMG Zone: 56	Easting 298893	Easting 298759
	Northing 6211318	Northing 6211370
	Time (24 h): 01:35	Time (24 h): 02:15
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Creek starting downstream of black water, continuing downstream.		

Survey Details	
Number of surveyors? 2	Total effort (person hours)? 1-33
Number of hectares covered? = 140m transect	

Weather at start of survey	
Cloud cover: 7/8 Light	Moon: Full
Wind Direction and speed: Moderate breeze	Rain: None
Temperature (°C): Cool	
Comments: Blind Snake sp. x1 (0), Water Dragon x1 (0) juv.	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	Crevise in rock	IH	In tree hollow	OW	Over water
CL	Crevise 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



Spotlighting Survey Proforma

ENTERED
2 JAN 2006

Project #: 4200
Observer: RVB + JC
Date: 4-12-06
Site ID: Black water pool (replicate 1)

Location and timing	WP 7 Start GPS 4	Finish
NCA AMG Zone: 56	Easting 298897	Easting <input type="text"/>
	Northing 6211298	Northing <input type="text"/>
	Time (24 h): 23:55	Time (24 h): 00:15
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Black water pool - vegetation lacking.		See map for area covered.

Survey Details	
Number of surveyors? 2	Total effort (person hours)? 0.5 (+ listening)
Number of hectares covered? Large pool	5min listening + 15min spotlight.

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

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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



Spotlighting Survey Proforma

ENTERED
22 JAN 2006 *see map.*

Project #: 4200
Observer: JC + RVB
Date: 7-12-06
Site ID: Black water pool (replicate 2)

Location and timing	WP 7 Start GPS 4	Finish
MGA AMG Zone: 56	Easting 298897	Easting □□□□□□
	Northing 6211298	Northing □□□□□□
	Time (24 h): 01:05	Time (24 h): 01:20
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Black water pool. No bankside veg. Trees dead. Coal Sludge.		

Survey Details	
Number of surveyors? 2	Total effort (person hours)? 0.5
Number of hectares covered? Large pool	

Weather at start of survey	
Cloud cover: 7/8	Moon: Full
Wind Direction and speed: Moderate breeze	Rain: None
Temperature (°C): Cool	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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



Call Playback Survey Proforma

Project #: 4200
Observer: RVB + JC
Date: 5.12.06
Site ID: CPFUSCD CPF01

22 JAN 2006

ENTERED
654

Location and timing		
MGA Zone: 56	Easting 298354	Northing 6212661
Start time (24 h): 18:40	Finish time (24 h): 18:55	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Downslope of upland swamp off boundary road, pointing towards gully.		

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

Weather at start of survey	
Cloud cover: 0/8	Moon: N/A
Wind Direction and speed: Breeze (strong)	Rain: None
Temperature (°C): Mild	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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
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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 Playback Survey Proforma

ENTERED
22 JAN 2008 15:4

Project #: 4200
Observer: JC + Ruß
Date: 5-12-06
Site ID: Call playback gully + ridge diurnal

Location and timing		
MGA Zone: 56	Easting: 297974	Northing: 6211977
Start time (24 h): 17:30	Finish time (24 h): 17:45	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Powerline easement - west - aimed down into gully.		

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

Weather at start of survey	
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 = ¼ Moon, 2 = ½, 3 = ¾, 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	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	Indirect evidence	N	Not located
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Microhabitat Type					
AC	Flying above canopy	IB	In burrow	OB	On beach sand
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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 Playback Survey Proforma

ENTERED
22 JAN 2006
CRPS #4

Project #: 4200
Observer: RVB + JC
Date: 5-12-06
Site ID: Call Playback - gully - diurnal

Location and timing CPFGD (call playback frogs gully diurnal)		
MGA Zone: 56	Easting 297542	Northing 6212763
Start time (24 h): 16:45	Finish time (24 h): 17:10	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Gully - bottom of dam. Near H08 from winter surveys.		

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

Weather at start of survey	
Cloud cover: 0/8	Moon: N/A
Wind Direction and speed: Light breeze	Rain: None
Temperature (°C): Hot w/ cool breeze.	
Comments: Initial 5 min listening period: Crinia signifera (#) None	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	F	Tracks, scratching
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AC	Flying above canopy	IB	In burrow	OB	On beach sand
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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 Playback Survey Proforma

Project #: 4200
 Observer: RVB + JC
 Date: 6-12-06
 Site ID: Callplayback Frogs Cully Diurnal 2.

ENTERED
 22 JAN 2006
 GPS 4

Location and timing		
MGA Zone: 56	Easting 298639	Northing 6212300
Start time (24 h): 17:50	Finish time (24 h): 18:05	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Cully below coal pit, facing upslope to south.		

Survey Details	
Type of amplification? loud hailer	Duration of call playback (minutes)? 5
Duration of listening (minutes)? 5	

Weather at start of survey	
Cloud cover: 7/8	Moon: N/A
Wind Direction and speed: light breeze	Rain: None
Temperature (°C): Mild	
Comments: Eastern Yellow Robin x 1 (0).	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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.

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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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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



Call Playback Survey

Proforma

ENTERED
2 JAN 2006

Project #: 4200

Observer: RVB + JC

Date: 5-12-06

Site ID: Call Playback - Upland Swamp.

APS 4

Location and timing		
MGA Zone: 56	Easting 299146	Northing 6211451
Start time (24 h): 02:20	Finish time (24 h): 02:55	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Upland Swamp off Track A East. Stood at edge of swamp and aimed in + down.		

NOTE:

lots of
loud
noise from
colliery.

Survey Details	
Type of amplification? Loud Hailer	Duration of call playback (minutes)? 5
Duration of listening (minutes)? 5 mins	
Weather at start of survey	
Cloud cover: 0/8	Moon: Full
Wind Direction and speed: still	Rain: None
Temperature (°C): Cool	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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



Call Playback Survey

Performed **ENTERED**
 12 JAN 2008

CPS 4

Project #: 4200
Observer: JC + RUB
Date: 6.12.06
Site ID: Same spot as CPFGD (CPFG) call playback frogs gully.

Location and timing		
MGA Zone: 56	Easting 297974	Northing 6211977
Start time (24 h): 23:26	Finish time (24 h): 00:01	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Powerline easement - west - aimed down into gully. Below upland swamp.		

Survey Details	
Type of amplification? loud hailer	Duration of call playback (minutes)? 5
Duration of listening (minutes)? 5	

Weather at start of survey	
Cloud cover: 7/8	Moon: Full
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 = ¼ Moon, 2 = ½, 3= ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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



Spotlighting Survey Proforma

ENTERED
22 JAN 2006

SMR1

Project #: 4200

Observer: KJC, Gwm

Date: 29/11/06

Site ID: SRI

Location and timing	SRI5 Start	SRIF Finish
AMG Zone: 56	Easting <input type="text" value="299156"/>	Easting <input type="text" value="298570"/>
	Northing <input type="text" value="6211594"/>	Northing <input type="text" value="6211597"/>
	Time (24 h): 22.18	Time (24 h): 23.00
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Spotlight ridge transect 1		
approx 600m		42

Survey Details	
Number of surveyors? 2	Total effort (person hours)? 1.4 hrs
Number of hectares covered? 600m traversed	

Weather at start of survey	
Cloud cover: 8/8	Moon: N/A
Wind Direction and speed: 2-3	Rain: Nil some spitting
Temperature (°C):	
Comments: Noise disturbance from west @ mine site	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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

SPOTLIGHT MAMMALS



Spotlighting Survey Proform

ENTERED
27 JAN 2006

GPS 4

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

Location and timing	Start SMR2S	Finish SMR2F
MGA AMS Zone: 56	Easting 299239	Easting 298716
	Northing 6211761	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 creek. Ridge.		

Survey Details	
Number of surveyors? 2	Total effort (person hours)? 1
Number of hectares covered? ≈ 500m transect (530m; think)	

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

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3= ¾, 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
F	Tracks, scratching	D	Dog kill
W	Heard call	C	Cat kill
Z	In raptor/owl pellet	V	Fox kill
X	In scat	S	Shot
M	Miscellaneous	I	Indirect evidence
T	Trapped or netted	P	Scat
E	Nest or roost		
H	Hair or feathers		
Y	Bones or teeth		
A	Stranded/beached		
N	Not located		
K	Dead		
B	Burnt		

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

SPOTLIGHT MAMMALS



Spotlighting Survey Proforma

ENTERED
22 JAN 2006

GPS 4

Project #: 4200
Observer: JC + RVB
Date: 6.12.06
Site ID: SMR3

Location and timing	Start SMR3S	Finish SMR3F
MGA AMG Zone: 56	Easting 299045	Easting 298670
	Northing 6212414	Northing 6212763
	Time (24 h): 01:00 01:00	Time (24 h): 01:30
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Ridge-boundary road. starts at/near CPM-R2 and heads north-west towards 2nd corner.		

Survey Details	
Number of surveyors? 2	Total effort (person hours)? 1
Number of hectares covered? 500m transect	

Weather at start of survey	
Cloud cover: 0/8	Moon: Full
Wind Direction and speed: light breeze	Rain: None
Temperature (°C): Cold	
Comments: Boobook Owl x 1 (H). Dogs (H) outside study area.	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3= ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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

SPOTLIGHT - MAMMALS



Spotlighting Survey
Proforma

ENTERED
22 JAN 2006
APS

Project #: 4200
Observer: RVB + JC
Date: 6.12.06
Site ID: SMR4

Location and timing	Start SMR4S	Finish SMR4F
MGA AMG Zone: 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: powerline easement track - west side of creek.		

Survey Details		
Number of surveyors?	2	Total effort (person hours)? 0.5
Number of hectares covered?	~250m	

Weather at start of survey		
Cloud cover:	7/8	Moon: Full
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 = ¼ Moon, 2 = ½, 3= ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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

SPOT LIGHT - GULLY

- mammals

ENTERED
22 JAN 2006

SMG1



Spotlighting Survey Proforma

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

Location and timing	SG25 Start	SG2F Finish
AMG Zone: 56	Easting 298592	Easting 298412
	Northing 6211499	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: Spotlighting transect # 2 - Gully.		

Survey Details	
Number of surveyors? 2	Total effort (person hours)? 2.0
Number of hectares covered? approx 500m traversed. Need to check mapping	

Weather at start of survey	
Cloud cover: 8/8	Moon: N/A
Wind Direction and speed: 2	Rain: ## occasional spitting
Temperature (°C):	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3= ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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


 Spotighting Survey
 Proforma

APS 4

Project #: 4200

Observer: JC + RVB

Date: 5.12.06

Site ID: SMA2

Location and timing	Start SMA2S	Finish SMA2F
MGA AMG Zone: 56	Easting 298444	Easting 298290
	Northing 6211522	Northing 6211733
	Time (24 h): 21:30	Time (24 h): 22:30
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Track A west - <u>Cully</u> - transect heading north-west.		

Survey Details	
Number of surveyors? 2	Total effort (person hours)? 2
Number of hectares covered? ≈ 300m transect	

Weather at start of survey	
Cloud cover: 0/8	Moon: below horizon
Wind Direction and speed: still - light breeze	Rain: None
Temperature (°C): Cool	
Comments: <i>Crinia signifera</i> (H). <i>L. phyllochroa</i> (H) <i>Litoria citropa</i> (H).	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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



Spotlighting Survey

Proforma

ENTERED
22 JAN 2006

Project #: 4200

Observer: JC + RUB

Date: 6-12-06

Site ID: Picnic Area

GPS 4

Location and timing	Start PICNIC	Finish
MCA AMG Zone: S6	Easting 297737	Easting <input type="text"/>
	Northing 6212743	Northing <input type="text"/>
	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 transect through picnic area, down to dam and back up to car.		

Survey Details

Number of surveyors? 2

Total effort (person hours)? 1

Number of hectares covered? $\approx 400m$ loop?
check with Rob.**Weather at start of survey**

Cloud cover: 1/8

Moon: Full

Wind Direction and speed: Still

Rain: None

Temperature (°C): Cold

Comments:

Several *Crinia signifera* (H), Boobook Owl x1 (H), Wood duck x1 (H),
Litoria peroni x4 (H), *Limodynastes dumhilli* x1 (H).

Cloud cover: Record cover in eights of sky

Moon: 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 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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

CALL PLAYBACK MAMMALS



Call Playback Survey
Proforma

ENTERED
22 JAN 2006
APS 5

Project #: 4200
Observer: RVB + JC
Date: 29-11-06
Site ID: CPMRI (call playback ^{mammals} Ridge 1)

Location and timing		
MGA Zone: 56	Easting <input type="text" value="298026"/>	Northing <input type="text" value="6212817"/>
Start time (24 h): 22:50	Finish time (24 h): 23:55	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: off the boundary road of study area, north side, near CPO3 from winter surveys. Ridge		

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

Weather at start of survey	
Cloud cover: 8/8	Moon: Half
Wind Direction and speed: Light breeze	Rain: None
Temperature (°C): Cool	
Comments: <i>Litoria peroni</i> (H) in distance.	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3= ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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			
Time (24 h)	Call species name	Time (24 h)	Species name	No. Ind.	Comment
23:00	Koala	23:05			
23:00	Squirrel Glider	23:45	No response		
	Note - see below.				
23:00	Squirrel Glider	23:05	No response		
23:10	Koala	23:15	Possible response, but possibly truck.		
23:20	Koala	23:23	No response		
23:26	Koala	23:29	No response		
23:32	Spotlight	23:40	Glider sp. x 1		(either Sugar or squirrel) was largish for a glider, leaning towards Squirrel.

No
 Squirrel
 Glider
 response
 by koala.

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

CALL PLAYBACK - MAMMALS



Call Playback Survey Proforma

ENTERED
22 JAN 2006
10/14

Project #: 4200
Observer: RVB + JC
Date: 6.12.06
Site ID: CPM-R1 (replicate 2)

Location and timing		
MGA Zone: 56	Easting 298026	Northing 6212817
Start time (24 h): 01:45	Finish time (24 h): 02:30	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Ridge: near CP03 from winter surveys.		

Survey Details	
Type of amplification? loud hailer	Duration of call playback (minutes)? 5
Duration of listening (minutes)? 5	

Weather at start of survey	
Cloud cover: 1/8	Moon: Full
Wind Direction and speed: light breeze	Rain: None
Temperature (°C): Cold	
Comments: Boobook owl x1 (H). Dogs (H) outside study area.	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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

ENTERED
12 JAN 2006Call Playback Survey
Proforma

Project #: 4200

Observer: JC + RVB

Date: 29.11.06

Site ID: CPM-R2 (call playback mammals
Ridge 2)

GPS 5

Location and timing		
MGA Zone: 56	Easting 299053	Northing 6212407
Start time (24 h): 23:59	Finish time (24 h): 00:30	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Off the boundary road of study area, north side, near CP02 from winter surveys. Ridge		

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

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

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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

ENTERED
22 JAN 2007



Call Playback Survey
Proforma

Project #: 4200
Observer: JC + RVB
Date: 5.12.06
Site ID: CPM - R3

GPS 4

Location and timing		
MGA Zone: 56	Easting 298749	Northing 6210754
Start time (24 h): 23:10	Finish time (24 h): 23:55	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Ridge: dirt mound, aimed toward ridge woodland. Same location as winter surveys at CP04.		

Survey Details	
Type of amplification? Loud hailer	Duration of call playback (minutes)? 5
Duration of listening (minutes)? 5	initial 5min listen, call playback, 10m spotlight.

Weather at start of survey	
Cloud cover: 2/8	Moon: Full
Wind Direction and speed: Light breeze	Rain: None
Temperature (°C): cold	
Comments: White-striped Freetail-bat x 1 (H). Masked Lapwing x 1 (H).	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3= ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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

CALL PLAYBACK - MAMMALS



Call Playback Survey Proforma

ENTERED
22 JAN 2006
GPS 4

Project #: 4200
Observer: RUB + JC
Date: 5.12.06
Site ID: CPM - a1 (call playback name Cully 1)

Location and timing CPM - a1		
MGA Zone: 56	Easting 298388	Northing 6211493
Start time (24 h): 20:55	Finish time (24 h): 21:30	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Track A Track A near near ET7 facing creek. from winter surveys Cully Site.		

Survey Details	
Type of amplification? Loud hailer	Duration of call playback (minutes)? 5
Duration of listening (minutes)? 5	5min listen first, call playback, 10min spotlight. (Included in transect follow-up)

Weather at start of survey	
Cloud cover: 0/8	Moon: Below horizon
Wind Direction and speed: Still - light breeze	Rain: None
Temperature (°C): Cool	
Comments: White-striped Freetail Bat x 1 (H)	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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

ENTERED
27 JAN 2007



Call Playback Survey
Proforma

Project #: 4200
Observer: RUB + JC
Date: 7.12.06
Site ID: CPM G 2

GPS 4

Same WP as CPF GRD.

Location and timing		
MGA Zone: 56	Easting: 297974	Northing: 6211977
Start time (24 h): 00:02	Finish time (24 h): 00:27	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Powerline easement - west - aimed down into gully.		

Survey Details	
Type of amplification? loud hailer	Duration of call playback (minutes)? 5
Duration of listening (minutes)? 5	

Weather at start of survey	
Cloud cover: 7/8	Moon: Full
Wind Direction and speed: Moderate - Strong	Rain: None
Temperature (°C): Cool	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: 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 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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

Harp (Kidge) - 2 nights



Harp Trap Survey
Proforma

ENTERED
22 JAN 2006

Project #: 4200

Observer/s: KJZ, Cwm

Site: Harp 4

Location and timing		
MGA Zone: 5b Harp 4	Easting 299328	Northing 6211816
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Date/Time Trap Set: 4/12/06 20-00	Date/Time Trap Dismantled: 6/12/06	
Location description: Harp set on E side of boundary track within woodland		
Photos:		

Weather at start of survey	
Cloud cover: 0/8	Moon: 4
Wind Direction and speed: 0	Rain: Nil
Temperature (°C): 20	
Comments: WARM, fine, Calm winds	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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.

checked

Date Captured	Sp. Code	Species Name	Sex	Age	Forearm (mm)	Wt (g)	Notes
5/12/06	NIL	BATS TRAPPED.					
6/12/06	- 2	BATS TRAPPED					
		Nyctophilus gouldi	♂		38.6	7.75	B+B 28.2 B 20.5
		Vespadelus vulturinus	♂		28.6	3.75	B+B 25.0 B 21.25

V. regulus V. vulturinus V. pernix

HARP GUY X

SKULLS (111111)
22 JAN 2006



Trapping Survey Proforma

Project #: 4200
Observer: GWM + KJC
Date: 6/12/06
Trap ID: HARP 6 GPS 5

Location and timing	Start	Finish
AMG Zone:	Easting 297726	Easting <input type="text"/>
MARKED HARP 6 BY GPS 5m accuracy 13m accuracy	Northing 6212612	Northing <input type="text"/>
	Time (24 h): 18:40	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Eastern Edge of dam on Brennan's Creek (north dam)		

Survey Details	
Date Traps set? 6/12/06	Date traps collected?
Type of trap? HARP	Dimension of traps (LxWxB)?
Number of traps? ONE	Interval between traps?
Length of transect? N/A	Bait used? N/A

Weather at start of survey	
Cloud cover: 7	Moon:
Wind Direction and speed: S BREEZE	Rain:
Temperature (°C):	
Comments: warm fine day partly cloudy at time trap set	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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

Herp (Gully)



Herpetofauna Survey Proforma

ENTERED
27 JAN 2006

Project #: 4200
Observer: KJC
Date: 6-12-06
Site ID: 4200 Herp 1

Location and timing	Start	Finish
MGA Zone: 56 Gully 1	Easting 298740	Easting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Northing 6211371	Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Time (24 h): 13.23	Time (24 h): 13.53
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Gully site 1.		

Survey Details	
Number of surveyors? 1	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: 1	Rain: -
Temperature (°C): 30 + °C	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3= ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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

Herp - Cully



Herpetofauna Survey

Proforma

ENTERED
22 JAN 2006

Project #: 4200
Observer: KJC
Date: 6.12.06
Site ID: Herp2

Location and timing	Start	Finish
MGA Zone: 56 Cully2	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="3"/> <input type="text" value="2"/> <input type="text" value="4"/>	Easting <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
Accuracy = 8m	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="7"/> <input type="text" value="2"/> <input type="text" value="9"/>	Northing <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Time (24 h): 15.58	Time (24 h): 16.38
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: At Gully site 2		

Survey Details	
Number of surveyors? 1	Total effort (person hours)? 0.5
Number of hectares covered?	Person analysing calls? KJC

Weather at start of survey	
Cloud cover: 5/8	Moon: ☾
Wind Direction and speed: 1	Rain: ☾
Temperature (°C): 28	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3= ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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



Herpetofauna Survey Proforma

ENTREPRENEUR

Project #: 4200
Observer: RVB
Date: 13/12/06
Site ID: GULLY 3 Herp3

Location and timing	Start	Finish
MGA Zone: 56	Easting <input type="text" value="297601"/>	Easting <input type="text" value=""/>
	Northing <input type="text" value="6212488"/>	Northing <input type="text" value=""/>
	Time (24 h): 9:45	Time (24 h): 10:45
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: West side of Dam		

Survey Details	
Number of surveyors? 1	Total effort (person hours)? 1
Number of hectares covered? 0.25 0.2	Person analysing calls?

Weather at start of survey	
Cloud cover: 8/8	Moon: N/A
Wind Direction and speed: slight breeze	Rain: NIL
Temperature (°C): Mild	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3= ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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
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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



Herpetofauna Survey

Proforma

ENTERED
JAN 2006

Project #: 4200
Observer: RVB
Date: 14/12/06
Site ID: HERP R2 Herp04

Location and timing	Start	Finish
MGA Zone: 56	Easting 298290	Easting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Northing 6211480	Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Time (24 h): 17:20	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Track A West - ridge		

Survey Details	
Number of surveyors? 1	Total effort (person hours)? 0.5
Number of hectares covered? 200 x 100m	Person analysing calls?

Weather at start of survey	
Cloud cover: 7/8	Moon: NA
Wind Direction and speed: light breeze	Rain: ML
Temperature (°C): Hot & humid	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	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	Indirect evidence	N	Not located
K	Dead	P	Scat	B	Burnt

Microhabitat 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	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



Herpetofauna Survey
Proforma

ENTERED
22 JAN 2007

APS 4

Project #: 4200
Observer: RVB
Date: 6.12.06
Site ID: HERP R 1 Herp05

Location and timing	Start	Finish
MGA Zone: 56	Easting <input type="text" value="298563"/>	Easting <input type="text" value=""/>
	Northing <input type="text" value="6212171"/>	Northing <input type="text" value=""/>
	Time (24 h): 18:15	Time (24 h): 18:45
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly

Location description:

Search area located at end of Hair Tube Ground transect, above a gully, on a ridge.

Survey Details

Number of surveyors? 1	Total effort (person hours)? 0.5
Number of hectares covered? 25m x 25m MIN (probably more)	Person analysing calls? N/A

Weather at start of survey

Cloud cover: 7/8	Moon: N/A
Wind Direction and speed: Moderate breeze	Rain: None
Temperature (°C): Mild	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	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 Indirect evidence	N Not located
K Dead	P Scat	B Burnt

Microhabitat 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	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

SMALL

MAMMAL SPECIES IDENTIFIED

Entered in
database

No.	LOCATION	DEFINITE	PROBABLE
tapes			
28	Ridge site 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)	
38	Ridge site 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)	
44	Gully site 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
54	Ridge site HG 31	Trichosurus sp.	
55	HG 32	Trichosurus sp.	
56	HG 34	--- (plant fibres)	
57	HG 35	--- (plant fibres)	
58	HG 36	(few fine hairs)	Trichosurus sp.
59	HG 37	W. bicolor	
60	HG 38	--- (plant fibres)	
61	HG 39	--- (plant fibres)	
62	HG 40	W. bicolor	

MAMMAL SPECIES IDENTIFIED

Entered in database

No.	LOCATION	DEFINITE	PROBABLE
63	Ridge site HT 1 L, M, H	--- (plant fibres) *	
64	HT 2 L, M, H	--- (plant fibres)	
65	HT 3 H, H	--- (plant fibres)	
66	HT 4 B, M, TOP	--- (plant fibres)	
67	HT 11 L, H, H	(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)	
79	Gully site 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.
84	HT 10L, L	--- (plant fibres)	

* all these 'plant fibres' were hessian threads


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	

Hair tube type	Tube #	Start transect waypoint		End transect waypoint		Nights sampled
		Easting	Northing	Easting	Northing	
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	-	-	4
Tree	HT13	298145	6212933	-	-	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 S
***All tree hair tube sets included 3 tubes in each tree, these usually comprised two high
All waypoints are given in MGA zone 56

 undercharged
electronic copy:-

HAIR TUBE TREE



Trapping Survey Proforma

ENTERED

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

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="9"/> <input type="text" value="2"/> <input type="text" value="4"/> <input type="text" value="3"/>	Easting <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="6"/> <input type="text" value="1"/> <input type="text" value="8"/>	Northing <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	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)		

Survey Details	
Date Traps set? 27.11.06	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 oats, honey, peanut butter mix. Honey spray.

Weather at start of survey	
Cloud cover: 8/8	Moon:
Wind Direction and speed: Light Breeze	Rain: Nil
Temperature (°C): Mild	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 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.

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	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	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	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

HAIR TUBE TREE



Trapping Survey Proforma

Project #: 4200
Observer: JC, RVB, AM, KJC
Date: 28.11.06 to 7/12/06
Trap ID: HT 2

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="9"/> <input type="text" value="1"/> <input type="text" value="5"/> <input type="text" value="1"/>	Easting <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="4"/>	Northing <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Time (24 h): 09:00 28.11.06	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? 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 oats Mix + Honey spray.

Weather at start of survey	
Cloud cover: 0/8	Moon:
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 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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

HAIR TUBE TREE



Trapping Survey Proforma

Project #: 4200
Observer: RJB & JC
Date: 28/11/06 - 7/12/06
Trap ID: HT3 (Hair tube Tree 3)

Location and timing	Start	Finish
MCA LGA Zone: 56	Easting <input type="text" value="298990"/>	Easting <input type="text" value=""/>
	Northing <input type="text" value="6211607"/>	Northing <input type="text" value=""/>
	Time (24 h): 09:30 11:15	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? 7/12/06
Type of trap? Elliot B	Dimension of traps (LxWxB)?
Number of traps? 3	Interval between traps?
Length of transect?	Bait used? Roll of oats honey & peanut butter Honey spray

Weather at start of survey	
Cloud cover: NIL	Moon: —
Wind Direction and speed: 1	Rain: NIL
Temperature (°C): Hot & humid	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 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.

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	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	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	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



Trapping Survey
Proforma

Project #: 4200
Observer: KJC, GM, RUB, JC
Date: 28-11-06 to 7/12/06
Trap ID: HT4

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="9"/> <input type="text" value="4"/> <input type="text" value="5"/>	Easting <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="5"/> <input type="text" value="9"/> <input type="text" value="4"/>	Northing <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Time (24 h): 13:00 ₂₈₋₁₁₋₀₆	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? 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 oats mix + honey spray

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

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2 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)	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

Microhabitat 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	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



**Trapping Survey
Proforma**

Project #: 4200
Observer: KJC, GM, 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 (access of end of Track A East).		

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 (all at base)	Interval between traps?
Length of transect?	Bait used? rolled oats mix + honey spray

Weather at start of survey	
Cloud cover: 7/8	Moon:
Wind Direction and speed: light breeze	Rain: None
Temperature (°C): hot + humid	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 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.

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	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	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	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

HAIR TUBE TREE



Trapping Survey Proforma

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

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting 298535	Easting <input type="text"/>
	Northing 6211584	Northing <input type="text"/>
	Time (24 h): 11:30 29.11.06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Track A East (gully). tree on LHS of track at top of gully.		

Survey Details	
Date Traps set? 29.11.06	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 oats mix + honey spray.

Weather at start of survey	
Cloud cover: 0	Moon:
Wind Direction and speed: Strong	Rain: Nil
Temperature (°C): hot	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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

HAIR TUBE TREE



Trapping Survey Proforma

Project #: 4200
Observer: KJC, RUB, JC, CWM
Date: 30.11.06 - 7/12/06
Trap ID: HT 7

Location and timing	Start	Finish
MCA Zone: 56	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="3"/> <input type="text" value="5"/> <input type="text" value="9"/>	Easting <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="5"/> <input type="text" value="3"/> <input type="text" value="2"/>	Northing <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	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 track when facing creek.		

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 oats mix + 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
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

Project #: 4200
Observer: GWM, KJC, RUB, JC
Date: 30.11.06 - 7/12/06
Trap ID: HT8

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting <input type="text" value="298419"/>	Easting <input type="text" value=""/>
	Northing <input type="text" value="6211463"/>	Northing <input type="text" value=""/>
	Time (24 h): 18:20 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 ET 7.		

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 oats mix + honey spray

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

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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

HAIR TUBE TREE



Trapping Survey Proforma

Project #: 4200
Observer: RVB, CWM, KJC, JC
Date: 30.11.06 - 7/12/06
Trap ID: HT9

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="4"/> <input type="text" value="6"/> <input type="text" value="9"/>	Easting <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="5"/> <input type="text" value="0"/> <input type="text" value="6"/>	Northing <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	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 track when facing creek, furthest in.		

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 oat mix + honey spray

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

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 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.

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	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	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	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

HAIR TUBE TREE



Trapping Survey Proforma

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

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting <input type="text" value="298441"/>	Easting <input type="text" value=""/>
	Northing <input type="text" value="6211565"/>	Northing <input type="text" value=""/>
	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 track when facing creek, closest to track.		

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 oats mix + honey spray.

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

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

Project #: 4200
Observer: KJC & RVB
Date: 11/12/06 - 13/12/06
Trap ID: HT #1

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting 298129	Easting □□□□□□
	Northing 6212895	Northing □□□□□□
	Time (24 h): 10:30	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: RIDGE - sealed road off boundary track		

Survey Details	
Date Traps set? 11/12/06	Date traps collected? 13/12/06
Type of trap? Tree hair tubes	Dimension of traps (LxWxB)?
Number of traps? 3	Interval between traps?
Length of transect? —	Bait used? Rolled oats, honey & peanut butter

Weather at start of survey	
Cloud cover: 0	Moon: N/A
Wind Direction and speed: NIL	Rain: NIL
Temperature (°C): Hot & humid	
Comments: RIDGE - tarred	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

ENTERED
23 JAN 2006

Project #: 4200
Observer: KJC & PUB
Date: 11/12/06 - 15/12/06
Trap ID: HT12

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting 298036	Easting <input type="text"/>
	Northing 6212905	Northing <input type="text"/>
	Time (24 h): 11:00	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: RIDGE - tarred road off boundary track		

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? 3	Interval between traps? —
Length of transect? —	Bait used? rolled oats honey peanut butter

Weather at start of survey	
Cloud cover: 0	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 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

Project #: 4200

Observer: *VSC & PVB*

Date: *11/12/06 - 15/12/06*

Trap ID: *#T13*

23 JAN 2006
ENTERED

Location and timing		Finish
MCA AMG Zone: <i>SC</i>	Easting <i>298145</i>	Easting □□□□□□
	Northing <i>6212933</i>	Northing □□□□□□
	Time (24 h):	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: <i>RIDGE - tarred road off boundary track</i>		

Survey Details	
Date Traps set? <i>11/12/06</i>	Date traps collected? <i>15/12/06</i>
Type of trap? <i>HAIR TUBE TREE</i>	Dimension of traps (LxWxB)?
Number of traps? <i>3</i>	Interval between traps? <i>—</i>
Length of transect? <i>—</i>	Bait used? <i>rolled oats honey peanut butter</i>

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

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 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.

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	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	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	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



Trapping Survey Proforma

ENTERED

Project #: 4200
Observer: KJC & RVB
Date: 11/12/06 - 15/12/06
Trap ID: HT14

Location and timing	Start	Finish
Mt AMG Zone: S6	Easting 298101	Easting <input type="text"/>
	Northing 6213030	Northing <input type="text"/>
	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? 11/12/06	Date traps collected? 15/12/06
Type of trap? TREE ELLIOT B	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps? -
Length of transect? -	Bait used? rolled oats honey peanut butter

Weather at start of survey	
Cloud cover: NIL	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 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

ENTERED
23 JAN 2006

Project #: 4200
Observer: KJC & RJB
Date: 11/12/06 - 15/12/06
Trap ID: HT15 RIDGE

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting 298231	Easting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Northing 6211416	Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Time (24 h):	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: RIDGE: Track A - West		

Survey Details	
Date Traps set? 11/12/06	Date traps collected? 15/12/06
Type of trap? FREE HAIR TUBE	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps? -
Length of transect? -	Bait used? rolled oats honey peanut butter

Weather at start of survey	
Cloud cover: NIL	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 = ¼ Moon, 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.

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	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	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	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



Trapping Survey Proforma

ENTERED
23 JAN 2006

Project #: 4200
Observer: KJC & PVB
Date: 11/12/06 - 15/12/06
Trap ID: #116 RIDGE

Location and timing	Start	Finish
MCA AMC Zone: 56	Easting 298206	Easting <input type="text"/>
	Northing 6211434	Northing <input type="text"/>
	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? 15/12/06
Type of trap? TREE HAIR TUBE	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps? -
Length of transect? -	Bait used? rolled oats honey peanut butter

Weather at start of survey	
Cloud cover: 0	Moon: N/A
Wind Direction and speed: NIL	Rain: NIL
Temperature (°C): 16.6 & humid	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	Crevise in rock	IH	In tree hollow	OW	Over water
CL	Crevise 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



Trapping Survey Proforma

23 JAN 2006 D

Project #: 4200
Observer: KJC & RVB
Date: 11/12/06 - 15/12/06
Trap ID: HT17 (EIOGE)

Location and timing	Start	Finish
AMG Zone:	Easting <input type="text" value="298245"/>	Easting <input type="text" value=""/>
	Northing <input type="text" value="6211379"/>	Northing <input type="text" value=""/>
	Time (24 h): 11/12/06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: TRACK A west - Ridge.		

Survey Details	
Date Traps set? 11/12/06	Date traps collected? 15/12/06
Type of trap? TREE HAIR TUBES	Dimension of traps (LxWxB)?
Number of traps? 3	Interval between traps?
Length of transect? -	Bait used? POLKO OATS HONEY / PEANUT

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

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

ENTERED
23 JAN 2008

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 298277	Easting
	Northing 0211405	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? 15/12/06
Type of trap? TREE HAIR TUBES	Dimension of traps (LxWxB)?
Number of traps? 3	Interval between traps? -
Length of transect? -	Bait used? rolled oats honey peanut butter

Weather at start of survey

Cloud cover: 8/8	Moon: N/A
Wind Direction and speed: breeze	Rain: NIL
Temperature (°C): Hot	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

ENTERED

Project #: 4200
Observer: KJC & RUB
Date: 11/12/06 - 15/12/06
Trap ID: HT19

Location and timing	23 JAN 2006	Start	Finish
MCA AMG Zone: 56	Easting 298291	Easting	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Northing 6271438	Northing	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	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? 15/12/06
Type of trap? TREE HAIR TUBES	Dimension of traps (LxWxB)?
Number of traps? 3	Interval between traps?
Length of transect? -	Bait used? rolled oats honey peanut <i>lute</i>

Weather at start of survey	
Cloud cover: 8/8	Moon: N/A
Wind Direction and speed: breeze	Rain: NIL
Temperature (°C): hot	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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

ELLIOT TREE - RIDGE
HAIR TUBE



Trapping Survey
Proforma

ENTERED
23 JAN 2006

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

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting 297762	Easting <input type="text"/>
Saved as ET20.	Northing 6212023	Northing <input type="text"/>
	Time (24 h): 11/12/06 16:00	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? 15/12/06
Type of trap? Hair tube	Dimension of traps (LxWxB)?
Number of traps? 3	Interval between traps? N/A
Length of transect? N/A	Bait used? Rolled oats + honey spray

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

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

23 JAN 2006

Project #: 4200
Observer: KJC, RVB
Date: 11/12/06 - 15/12/06
Trap ID: HT21 (RIDGE)

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting <input type="text" value="297781"/>	Easting <input type="text" value=""/>
Saved as ET21 →	Northing <input type="text" value="6212016"/>	Northing <input type="text" value=""/>
	Time (24 h): 11/12/06 16.00	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Easement track west - Ridge. 23m from HT20.		

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

Weather at start of survey	
Cloud cover: 8/8	Moon: ?
Wind Direction and speed: 1	Rain: spitting
Temperature (°C): Hot 30 +	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

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

Location and timing	Start	Finish
MGA AMG Zone: 5b	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="7"/> <input type="text" value="8"/> <input type="text" value="0"/> <input type="text" value="8"/>	Easting <input type="text" value="7"/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
Saved as ET22	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="2"/>	Northing <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Time (24 h): 11/12/06 ^{16.20}	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Easement track west - Ridge		

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

Weather at start of survey	
Cloud cover: 8/8	Moon: ?
Wind Direction and speed: 1	Rain: 0
Temperature (°C): Hot	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 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.

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	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	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	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

AIR TUBE GROUND (LGE) - Ridge



Trapping Survey Proforma

ENTERED

Project #: 4200
Observer: RH & VB
Date: 28/11/06 - 14/12/06 7/12/06
Trap ID: HG1-10 (Large)

Location and timing	Start	Finish
AMG Zone:	Easting <input type="text" value="298106"/> ^{CPS#5} 002	Easting <input type="text" value="297842"/> ^{CPS#5} WP#4
	Northing <input type="text" value="6212968"/>	Northing <input type="text" value="6212956"/>
	Time (24 h): 18:00	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: <i>Transect set perpendicular to tarsealed track Ridge - which is off boundary track.</i>		

Survey Details	
Date Traps set? 28/11/06	Date traps collected? 14/12/06
Type of trap? <i>Large hair tube (ground)</i>	Dimension of traps (LxWxB)?
Number of traps? 10	Interval between traps? ~30m
Length of transect? ~300m	Bait used? <i>rolled oats honey & peanut butter</i>

Weather at start of survey	
Cloud cover: 7/8	Moon: -
Wind Direction and speed: NE 1	Rain: NIL
Temperature (°C): 35	
Comments: <i>Hot & humid</i>	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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

HAIR TUBE GROUND (SML) - Ridge



Trapping Survey Proforma

Project #: 4200
Observer: PH & RVB
Date: 28/11/06 - 14/12/06 7/12/06
Trap ID: HA 1-10 (small)

Location and timing	Start	Finish
AMG Zone:	Easting <input type="text" value="298106"/>	Easting <input type="text" value="297842"/> <small>GPS # 5 WP004</small>
	Northing <input type="text" value="6212968"/>	Northing <input type="text" value="6212556"/>
	Time (24 h): 18:30	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: <i>Ridge</i>		

Survey Details	
Date Traps set? 28/11/06	Date traps collected? 14/12/06
Type of trap? <i>small hairtube (ground)</i>	Dimension of traps (LxWxB)?
Number of traps? 10	Interval between traps? ~ 30m
Length of transect? ~ 300m	Bait used? <i>rolled oats honey & peanut butter</i>

Weather at start of survey	
Cloud cover: 7/8	Moon: -
Wind Direction and speed: NE 1	Rain: NIL
Temperature (°C): 35	
Comments: <i>Hot & humid</i>	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	R	Road kill
F	Tracks, scratching	D	Dog kill
W	Heard call	C	Cat kill
Z	In raptor/owl pellet	V	Fox kill
X	In scat	S	Shot
M	Miscellaneous	I	Fossil/sub-fossil
T	Trapped or netted	N	Not located
E	Nest or roost		
H	Hair or feathers		
Y	Bones or teeth		
A	Stranded/beached		

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

HAIR TUBE GROUND -(LAE) - Ridge



Trapping Survey Proforma

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

Location and timing	Start	Finish
MGA AMS Zone: 56	WP HG 11 + ST Easting 299151	WP HG 11 + END Easting 298547
	Northing 6211579	Northing 6211616
	Time (24 h): 10:20 29.11.06	Time (24 h): 10:20
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Track A East (Ridge) • with cage traps.		

last 2 on opp. side of track.

Survey Details	
Date Traps set? 29.11.06	Date traps collected? 14/12/06
Type of trap? Hair tube (large)	Dimension of traps (LxWxB)?
Number of traps? 10	Interval between traps? ~ 25-30m
Length of transect?	Bait used? rolled oats, honey, peanut butter.

Weather at start of survey	
Cloud cover: 0/8	Moon: -
Wind Direction and speed: Moderate-strong	Rain: None
Temperature (°C): Hot	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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

HAIR TUBE GROUND (SML) - Ridge



Trapping Survey Proforma

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

Location and timing	Start	Finish
MGA AMG Zone: 56	WP HG11+ST Easting 299151	WP HG11+END Easting 298547
	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 East (Ridge) • with cage traps.		

• last 2
in opp.
side of
track.

Survey Details	
Date Traps set? 29.11.06	Date traps collected? 19/12/06
Type of trap? Hair tube (small)	Dimension of traps (LxWxB)?
Number of traps? 10	Interval between traps? ≈ 25-30m
Length of transect?	Bait used? Rolled oats, honey, peanut butter.

Weather at start of survey	
Cloud cover: 0/8	Moon: -
Wind Direction and speed: Moderate - Strong	Rain: None
Temperature (°C): Hot	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	R	Road kill
F	Tracks, scratching	D	Dog kill
W	Heard call	C	Cat kill
Z	In raptor/owl pellet	V	Fox kill
X	In scat	S	Shot
M	Miscellaneous	I	Fossil/sub-fossil
T	Trapped or netted	N	Not located
E	Nest or roost		
H	Hair or feathers		
Y	Bones or teeth		
A	Stranded/beached		

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



Trapping Survey Proforma

Project #: 4200
Observer: KJC, GWM
Date: 29/11/06 - 7/12/06
Trap ID: HTG1-10 HG21-30

(large + small)

Location and timing	HTG1 Start	HTG10 Finish
AMG Zone: 56	Easting 298370	Easting 298668
	Northing 6211525	Northing 6211415
	Time (24 h): Accuracy = 8m	Time (24 h): Acc = 12m
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Hairtube Gully transect. Traps set on Appin Rd side of creek. Access via Main track west. Traps HTG1+2 - on north side of main track west HTG3-10 - on south side of track Transect runs north to south parallel to creek Brennans		

Note:
At trap #4
head down
towards
creek

Survey Details	
Date Traps set? 29/11/06	Date traps collected? 14/12/06
Type of trap? Hairtubes - small + large	Dimension of traps (LxWxB)?
Number of traps? 20	Interval between traps? 25-35m
Length of transect? 300m approx	Bait used? Rolled oats

Weather at start of survey	
Cloud cover: 8/8	Moon: N/A cant see
Wind Direction and speed: 3 Southerly	Rain: Nil
Temperature (°C): 18 °C	
Comments: very windy and gusty.	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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

HAIR TUBE GROUND (LAE)



Trapping Survey Proforma

APS 5

Project #: 4200
Observer: JC + RVB
Date: 29-11-06 to 7/12/06
Trap ID: HA-31-40 (large)

Location and timing	Start WP 5	Finish WP 6
MGA AMG Zone: 56	Easting <input type="text" value="298488"/>	Easting <input type="text" value="298565"/>
	Northing <input type="text" value="6211906"/>	Northing <input type="text" value="6212177"/>
	Time (24 h): 20:00 29-11-06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Powerline easement, perpendicular to track, on RHS. (Ridge)		

Survey Details	
Date Traps set? 29-11-06	Date traps collected? 14/12/06
Type of trap? Hair Tube (large)	Dimension of traps (LxWxB)?
Number of traps? 10	Interval between traps? ~ 25-30m
Length of transect? ~ 300m	Bait used? Rolled oats mix.

Weather at start of survey	
Cloud cover: 8/8	Moon: Half
Wind Direction and speed: Strong breeze	Rain: None now but maybe soon!
Temperature (°C): Mild	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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

HAIR TUBE GROUND (SML)



Trapping Survey Proforma

Project #: 4200

Observer: RVB + JC

Date: 29.11.06 to 7/12/06

Trap ID: HG:31-40 (small)

GPS 5

Location and timing	Start WP 5	Finish WP 6
MCA AMG Zone: 56	Easting <input type="text" value="298488"/>	Easting <input type="text" value="298565"/>
	Northing <input type="text" value="6211906"/>	Northing <input type="text" value="6212177"/>
	Time (24 h): 20:00 29.11.06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Powerline easement, perpendicular to track, on RHS. (Ridge)		

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? ≈ 25-30m
Length of transect? ≈ 300m	Bait used? Rolled oats mix.

Weather at start of survey	
Cloud cover: 8/8	Moon: Half
Wind Direction and speed: Strong breeze	Rain: None now but maybe soon!
Temperature (°C): Mild	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 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.

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	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	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	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



Habitat condition assessment

Project #: 4200
Observer: JC
Date: 14-12-06
Site ID: Habitat Ridge 2.

GPS 4

Location	start		start	
MGA Zone: 56 -	Easting	298305	Northing	6211435
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly		
Location description: Ridge site: Track A west, top half.		Finish: 298095/6211372 WP's same as for BR2S to BR2F.		
Approximate size of area (ha):		200m transect.		

Vegetation structure	
<input type="checkbox"/> Forest	<input checked="" type="checkbox"/> Woodland
<input type="checkbox"/> Scattered Trees	<input type="checkbox"/> Shrubland
<input type="checkbox"/> Grassland	<input type="checkbox"/> Planting
<input type="checkbox"/> Wetland	<input type="checkbox"/> No native vegetation remaining
Dominant tree species: <i>Euc rasimosa</i> + <i>Cor gummitera</i> .	
Dominant shrub species: Lots of <i>Banksia serrata</i> . + another <i>Banksia spinulosa</i>	
Dominant ground cover:	
Introduced Species present:	
Mapped vegetation community (source):	

Vegetation health	0	1	2	3
Vegetation condition	<input type="checkbox"/> No native vegetation	<input type="checkbox"/> degraded	<input type="checkbox"/> modified	<input checked="" type="checkbox"/> near natural
Tree Age and Regeneration	<input type="checkbox"/> trees cleared	<input type="checkbox"/> mature trees only	<input type="checkbox"/> slight regeneration	<input checked="" type="checkbox"/> all ages - extensive regeneration
Understorey	<input type="checkbox"/> understorey removed	<input type="checkbox"/> scattered shrubs	<input type="checkbox"/> clumps regenerating	<input checked="" type="checkbox"/> shrub layer (intact) naturally no understorey
Introduced species	<input type="checkbox"/> dominant	<input type="checkbox"/> scattered throughout	<input type="checkbox"/> isolated clumps	<input checked="" type="checkbox"/> few or none

Fauna Habitat	0	1	2
Trees with hollows	<input type="checkbox"/> nil	<input type="checkbox"/> few	<input checked="" type="checkbox"/> common
Leaf litter	<input type="checkbox"/> nil	<input type="checkbox"/> some	<input checked="" type="checkbox"/> common
Logs/ground cover	<input type="checkbox"/> nil	<input type="checkbox"/> few	<input checked="" type="checkbox"/> common
Rocks/crevices	<input type="checkbox"/> nil	<input type="checkbox"/> few	<input checked="" type="checkbox"/> common
Water bodies	<input checked="" type="checkbox"/> nil	<input type="checkbox"/> poor	<input type="checkbox"/> good
Feeding resources	<input type="checkbox"/> nil	<input type="checkbox"/> poor	<input checked="" type="checkbox"/> good
Linkages	<input type="checkbox"/> nil	<input type="checkbox"/> less than 100 m	<input checked="" type="checkbox"/> directly linked mostly (Appin Rd close).

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

Adjacent land		
<input type="checkbox"/> cleared	<input type="checkbox"/> residential	<input type="checkbox"/> scattered trees
<input checked="" type="checkbox"/> uncleared	<input type="checkbox"/> riparian vegetation	
<input checked="" type="checkbox"/> Other (describe) Appin Rd + West Cliff colliery		

Disturbances	C= Continuous, S = Scattered, I = Isolated
<input type="checkbox"/> Grazing	<input type="checkbox"/> Powerlines
<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Erosion
<input type="checkbox"/> Logging	<input type="checkbox"/> Firewood removal
Other (describe) Gas pipeline + access track. Some rubbish dumping, not too much.	

Animals observed in area
See Bird + Herp surveys.
Wombat hole observed.

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



Habitat condition assessment

Project #: 4200
Observer: CWM, KJC
Date: 6.12.06
Site ID: Cully 1

Location		
MGA Zone: 56 Cully 1	Easting 298740	Northing 6211371
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Brennan's Creek, Western Slope, about 300m downstream of water treatment plant		
Approximate size of area (ha): 100 x 100		

Vegetation structure	
<input type="checkbox"/> Forest	<input checked="" type="checkbox"/> Woodland
<input type="checkbox"/> Scattered Trees	<input type="checkbox"/> Shrubland
<input type="checkbox"/> Grassland	<input type="checkbox"/> Planting
<input type="checkbox"/> Wetland	<input type="checkbox"/> No native vegetation remaining
Dominant tree species: Eucalypt/ Mitrasacme Conyubica? some bloodwood	
Dominant shrub species: tea tree, banksia, acacia, casuarina, ^{hakea}	
Dominant ground cover: mainly leaf litter, some fern, low grasses, young shrubs	
Introduced Species present: No	
Mapped vegetation community (source):	

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

Fauna Habitat	0	1	2
Trees with hollows	<input type="checkbox"/> nil	<input type="checkbox"/> few	<input checked="" type="checkbox"/> common
Leaf litter	<input type="checkbox"/> nil	<input type="checkbox"/> some	<input checked="" type="checkbox"/> common
Logs/ground cover	<input type="checkbox"/> nil	<input type="checkbox"/> few	<input checked="" type="checkbox"/> common
Rocks/crevices	<input type="checkbox"/> nil	<input type="checkbox"/> few (Brennan's)	<input checked="" type="checkbox"/> common
Water bodies	<input type="checkbox"/> nil	<input checked="" type="checkbox"/> poor (creek)	<input type="checkbox"/> good
Feeding resources	<input type="checkbox"/> nil	<input type="checkbox"/> poor	<input checked="" type="checkbox"/> good
Linkages	<input type="checkbox"/> nil	<input type="checkbox"/> less than 100 m	<input checked="" type="checkbox"/> directly linked



Habitat condition assessment

Project #:	4200
Observer:	CWM
Date:	6/12/06
Site ID:	Gully 2

Location		
MGA Zone:	Easting <input type="text" value="298324"/>	Northing <input type="text" value="6211729"/>
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Western side ^{side} of Brennan's creek on north-east facing slope, downstream of power easement		
Approximate size of area (ha): 100 x 100		

Vegetation structure	
<input type="checkbox"/> Forest	<input checked="" type="checkbox"/> Woodland
<input type="checkbox"/> Scattered Trees	<input type="checkbox"/> Shrubland
<input type="checkbox"/> Grassland	<input type="checkbox"/> Planting
<input type="checkbox"/> Wetland	<input type="checkbox"/> No native vegetation remaining
Dominant tree species: Eucalypt/corymbia Casuarina at stream edge	
Dominant shrub species: Eucalypt saplings, haked, banksia	
Dominant ground cover: Tuft grasses, leaf litter, some	
Introduced Species present: No	
Mapped vegetation community (source):	

* REGENERATING GROUND/SHRUB LATER AFTER FILL

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

Fauna Habitat	0	1	2
Trees with hollows	<input type="checkbox"/> nil	<input type="checkbox"/> few	<input checked="" type="checkbox"/> common
Leaf litter	<input type="checkbox"/> nil	<input type="checkbox"/> some	<input checked="" type="checkbox"/> common
Logs/ground cover	<input type="checkbox"/> nil	<input checked="" type="checkbox"/> few	<input type="checkbox"/> common
Rocks/crevices	<input type="checkbox"/> nil	<input type="checkbox"/> few	<input checked="" type="checkbox"/> common
Water bodies	<input type="checkbox"/> nil	<input type="checkbox"/> poor	<input checked="" type="checkbox"/> good
Feeding resources	<input type="checkbox"/> nil	<input type="checkbox"/> poor	<input checked="" type="checkbox"/> good
Linkages	<input type="checkbox"/> nil	<input type="checkbox"/> less than 100 m	<input checked="" type="checkbox"/> directly linked

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

Adjacent land		
<input type="checkbox"/> cleared	<input type="checkbox"/> residential	<input type="checkbox"/> scattered trees
<input checked="" type="checkbox"/> uncleared	<input type="checkbox"/> riparian vegetation	
<input type="checkbox"/> Other (describe)		

Disturbances	C= Continuous, S = Scattered, I = Isolated	
<input type="checkbox"/> Grazing	<input type="checkbox"/> Powerlines	
<input type="checkbox"/> Roads	<input type="checkbox"/> Erosion	
<input type="checkbox"/> Logging	<input type="checkbox"/> Firewood removal	
Other (describe)		

Animals observed in area
Glider notches
lizard burrows

General Habitat Description and comments
Mixed age wd
Mature woodland with trees of many ages on sfs benches above creek
A few stages & trees with large hollows,
Shrub & ground layer sparse - regenerating after fire.
Leaf litter present, fallen timber sparse due to fire but present
Abundant rock shelters



Habitat condition assessment

Project #: 4200
Observer: GM & RVB
Date: 13/12/06
Site ID: AVLLY 3

Location		
MGA Zone: S6	Easting 297601	Northing 6212488
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Western side of Northern Dam *Photos 25-28: Glider notches & tree hollows		
Approximate size of area (ha): 1		

Vegetation structure	
<input type="checkbox"/> Forest	<input checked="" type="checkbox"/> Woodland
<input type="checkbox"/> Scattered Trees	<input type="checkbox"/> Shrubland
<input type="checkbox"/> Grassland	<input type="checkbox"/> Planting
<input type="checkbox"/> Wetland	<input type="checkbox"/> No native vegetation remaining
Dominant tree species: Scribbly gum, Sydney peppermint, Bloodwood	
Dominant shrub species: <i>Relbunium pulchella</i> , <i>Banksia spinulosa</i> , <i>Eucalypt</i> saplings, Lemon scented tea tree	
Dominant ground cover: Rocky outcrops and leaf litter, tufted grasses & small shrubs	
Introduced Species present: NIL	
Mapped vegetation community (source):	

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

Fauna Habitat	0	1	2
Trees with hollows	<input type="checkbox"/> nil	<input type="checkbox"/> few	<input checked="" type="checkbox"/> common
Leaf litter	<input type="checkbox"/> nil	<input type="checkbox"/> some	<input checked="" type="checkbox"/> common
Logs/ground cover	<input type="checkbox"/> nil	<input type="checkbox"/> few	<input checked="" type="checkbox"/> common
Rocks/crevices	<input type="checkbox"/> nil	<input type="checkbox"/> few	<input checked="" type="checkbox"/> common
Water bodies	<input type="checkbox"/> nil	<input type="checkbox"/> poor	<input checked="" type="checkbox"/> good & adjacent to dam
Feeding resources	<input type="checkbox"/> nil	<input type="checkbox"/> poor	<input checked="" type="checkbox"/> good
Linkages	<input type="checkbox"/> nil	<input type="checkbox"/> less than 100 m	<input checked="" type="checkbox"/> directly linked

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

Adjacent land		
<input type="checkbox"/> cleared	<input type="checkbox"/> residential	<input type="checkbox"/> scattered trees
<input checked="" type="checkbox"/> uncleared	<input type="checkbox"/> riparian vegetation	
<input type="checkbox"/> Other (describe)		

Disturbances	C= Continuous, S = Scattered, I = Isolated	
<input type="checkbox"/> Grazing	<input type="checkbox"/> Powerlines	
<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Erosion	
<input checked="" type="checkbox"/> Logging + some evidence of logging in the past	<input type="checkbox"/> Firewood removal	
Other (describe)		

Animals observed in area
→ see bird & herp survey
→ Crimson Rosella
Pardalote sp.
Sriated Thornbill ++
Superb fairy wren 3
Golden whistlers

General Habitat Description and comments
Eucalypt Atx woodland with trees of mixed age, regenerating after fire (fire not recent). Fairly open with a sparse but diverse shrubs layer to 1-2m. leaf litter present but not Good coverage of leaf litter but not particularly deep. Fallen timber abundant. Good rocky outcrops with crevices. Some trees with large hollows but sparsely distributed with majority of trees younger and without hollows. Ground vegetation dominated by sparse grasses and low shrubs.
Note: Woodland in excellent condition but with minor evidence of past disturbance near track.
Southern edge of site is a gully where shrub layer is tall & dense.



Habitat condition assessment

Project #: 4200
Observer: RVB + JR
Date: 5-12-06
Site ID: Upland Swamp 1

18:30 - 19:30

Location	Near B1	
MGA Zone: 56	Easting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Upland swamp 150m south off boundary road (3 rd corner).		
Approximate size of area (ha):		

Vegetation structure	Swamp surrounded by woodland.
<input type="checkbox"/> Forest	<input type="checkbox"/> Woodland
<input type="checkbox"/> Scattered Trees	<input type="checkbox"/> Shrubland
<input type="checkbox"/> Grassland	<input type="checkbox"/> Planting
<input type="checkbox"/> Wetland	<input type="checkbox"/> No native vegetation remaining
Dominant tree species:	
Dominant shrub species:	
Dominant ground cover:	
Introduced Species present:	
Mapped vegetation community (source):	

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

Fauna Habitat	0	1	2
Trees with hollows	<input type="checkbox"/> nil	<input type="checkbox"/> few	<input type="checkbox"/> common
Leaf litter	<input type="checkbox"/> nil	<input type="checkbox"/> some	<input type="checkbox"/> common
Logs/ground cover	<input type="checkbox"/> nil	<input type="checkbox"/> few	<input type="checkbox"/> common
Rocks/crevices	<input type="checkbox"/> nil	<input type="checkbox"/> few	<input type="checkbox"/> common
Water bodies	<input type="checkbox"/> nil	<input type="checkbox"/> poor	<input type="checkbox"/> good
Feeding resources	<input type="checkbox"/> nil	<input type="checkbox"/> poor	<input type="checkbox"/> good
Linkages	<input type="checkbox"/> nil	<input type="checkbox"/> less than 100 m	<input type="checkbox"/> directly linked



Habitat condition assessment

GPS 4

Project #:
Observer: JC + RVD
Date: 6.12.06
Site ID: Ridge off powerline easement along hair tube transect.

Location		
MGA Zone: 56	Easting ^{start} 298560	Northing ^{start} 6212172
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Ridge - from BRL start to finish.		
Approximate size of area (ha): 200m transect.		

Vegetation structure	
<input type="checkbox"/> Forest	<input checked="" type="checkbox"/> Woodland
<input type="checkbox"/> Scattered Trees	<input type="checkbox"/> Shrubland
<input type="checkbox"/> Grassland	<input type="checkbox"/> Planting
<input type="checkbox"/> Wetland	<input type="checkbox"/> No native vegetation remaining
Dominant tree species: Euc rasimosa + Bloodwoods?	
Dominant shrub species: Banksias.	
Dominant ground cover: Sedgely grass.	
Introduced Species present: None?	
Mapped vegetation community (source):	

Vegetation health	0	1	2	3
Vegetation condition	<input type="checkbox"/> No native vegetation	<input type="checkbox"/> degraded	<input type="checkbox"/> modified	<input checked="" type="checkbox"/> near natural
Tree Age and Regeneration	<input type="checkbox"/> trees cleared	<input type="checkbox"/> mature trees only	<input type="checkbox"/> slight regeneration	<input checked="" type="checkbox"/> all ages - extensive regeneration
Understorey	<input type="checkbox"/> understorey removed	<input type="checkbox"/> scattered shrubs	<input type="checkbox"/> clumps regenerating	<input checked="" type="checkbox"/> shrub layer (intact) naturally no understorey
Introduced species	<input type="checkbox"/> dominant	<input type="checkbox"/> scattered throughout	<input type="checkbox"/> isolated clumps	<input checked="" type="checkbox"/> few or none

Fauna Habitat	0	1	2
Trees with hollows	<input type="checkbox"/> nil	<input type="checkbox"/> few Some ✓	<input type="checkbox"/> common
Leaf litter	<input type="checkbox"/> nil	<input type="checkbox"/> some	<input checked="" type="checkbox"/> common
Logs/ground cover	<input type="checkbox"/> nil	<input type="checkbox"/> few Some ✓	<input type="checkbox"/> common
Rocks/crevices	<input type="checkbox"/> nil	<input checked="" type="checkbox"/> few	<input type="checkbox"/> common
Water bodies	<input checked="" type="checkbox"/> nil	<input type="checkbox"/> poor	<input type="checkbox"/> good
Feeding resources	<input type="checkbox"/> nil	<input type="checkbox"/> poor	<input checked="" type="checkbox"/> good
Linkages	<input type="checkbox"/> nil	<input type="checkbox"/> less than 100 m	<input checked="" type="checkbox"/> directly linked



Habitat condition assessment

Project #: 4200
 Observer: JC + RVB
 Date: 6-12-06
 Site ID: Gully downslope of coal pit.

GPS 4

Location		HABTS (habitat ass trib start)	
MGA Zone: 56	Easting ^{start} 298645	Northing ^{start} 6212326	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly	
Location description: ^{Finish:} Gully between powerline easement and ^{Finish:} boundary road, downslope of coal pit.			
Approximate size of area (ha): \approx 150m transect.			

to
 29852:
 621239
 HABTF

Vegetation structure	
<input checked="" type="checkbox"/> Forest	<input type="checkbox"/> Woodland
<input type="checkbox"/> Scattered Trees	<input type="checkbox"/> Shrubland
<input type="checkbox"/> Grassland	<input type="checkbox"/> Planting
<input type="checkbox"/> Wetland	<input type="checkbox"/> No native vegetation remaining
Dominant tree species: Euc bot? Bloodwood.	
Dominant shrub species:	
Dominant ground cover:	
Introduced Species present:	
Mapped vegetation community (source):	

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

Fauna Habitat	0	1	2
Trees with hollows	<input type="checkbox"/> nil	<input type="checkbox"/> few <i>Some</i> ✓	<input type="checkbox"/> common
Leaf litter	<input type="checkbox"/> nil	<input type="checkbox"/> some	<input checked="" type="checkbox"/> common
Logs/ground cover	<input type="checkbox"/> nil	<input type="checkbox"/> few <i>Some</i> ✓	<input type="checkbox"/> common
Rocks/crevices	<input type="checkbox"/> nil	<input checked="" type="checkbox"/> few	<input type="checkbox"/> common
Water bodies	<input type="checkbox"/> nil	<input checked="" type="checkbox"/> poor	<input type="checkbox"/> good
Feeding resources	<input type="checkbox"/> nil	<input type="checkbox"/> poor <i>Moderate</i> ✓	<input type="checkbox"/> good
Linkages	<input type="checkbox"/> nil	<input type="checkbox"/> less than 100 m	<input checked="" type="checkbox"/> directly linked

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

Adjacent land		
<input type="checkbox"/> cleared	<input type="checkbox"/> residential	<input type="checkbox"/> scattered trees
<input checked="" type="checkbox"/> uncleared	<input type="checkbox"/> riparian vegetation	
<input type="checkbox"/> Other (describe) <i>tracks + colliery.</i>		

Disturbances	C= Continuous, S = Scattered, I = Isolated	
<input type="checkbox"/> Grazing	<input type="checkbox"/> Powerlines	
<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Erosion	
<input type="checkbox"/> Logging	<input type="checkbox"/> Firewood removal	
Other (describe) <i>Subsidence!</i>		

Animals observed in area

General Habitat Description and comments
<i>Narrow channel with deep parts. Creek bed consisted mostly of sand but with some rock. Fringing veg: mostly grass/sedges, some ferns. Banksia serrata + Acacia binnervata.</i>
<i>Moderately dense shrub layer. Only ≈ 20-30cm of water in creek, with deep pools. Water looked black with coal.</i>
<i>Some fallen timber present. Old, overgrown track adjacent to creek. Creek possibly subsided (looks like bottom level of creek has dropped, cracking in soil along bank edge).</i>



Trapping Survey Proforma

REGISTERED
23 JAN 2006
EAS 4

Project #: 4200
Observer: JC & RVB
Date: 4/12/06 to
Trap ID: EAC1-25 (A's & B's)

A's + B's
Placed in
pairs.

Location and timing	Start EACS	Finish EACF
MCA AMG Zone: 56	Easting 298291	Easting 298567
	Northing 6211724	Northing 6211460
	Time (24 h): 20:00 4.12.06	Time (24 h): 8.12.06
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Track A west (gully) Traps 1-15: head left when facing creek. Traps 16-25: " right " " " " " > see yellow tape.		

Survey Details	
Date Traps set? 4.12.06	Date traps collected? 8/12/06
Type of trap? Elliott A's and B's	Dimension of traps (LxWxB)?
Number of traps? 25 A's, 25 B's	Interval between traps? 10m
Length of transect? long	Bait used? Rolled oats

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

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

Project #: 4200
Observer: JE, BS
Date: 4/12/06
Trap ID: EG-E1-25

ENTERED
13 JAN 2006

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting 2984921	Easting 298728
	Northing 6211890	Northing 6212103
	Time (24 h): 13 00	Time (24 h): 8-12-06 19 08
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: EASEMENT EG-E13 - BIG HOLE		

Survey Details	
Date Traps set? 4/12/06	Date traps collected? 8/12/06
Type of trap? Elliot A & B's	Dimension of traps (LxWxB)?
Number of traps? 25 * 2 = 50	Interval between traps?
Length of transect? 250	Bait used?

Weather at start of survey	
Cloud cover: 6	Moon: -
Wind Direction and speed: -	Rain: -
Temperature (°C): 26	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	R	Road kill
F	Tracks, scratching	D	Dog kill
W	Heard call	C	Cat kill
Z	In raptor/owl pellet	V	Fox kill
X	In scat	S	Shot
M	Miscellaneous	I	Fossil/sub-fossil
T	Trapped or netted	N	Not located
E	Nest or roost		
H	Hair or feathers		
Y	Bones or teeth		
A	Stranded/beached		

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



Trapping Survey Proforma

BIOSIS RESEARCH

ENTERED
23 JAN 2006

Project #: 4200
Observer: TE, BJS
Date: 4/12/06
Trap ID: EG-B1-25

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting 298119	Easting 297883
	Northing 6212972	Northing 6213077
	Time (24 h): 15:00	Time (24 h): 16:30
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: OFF BOUNDARY TRACK - NEAR HAIR TUBES		

Survey Details	
Date Traps set? 4/12/06	Date traps collected? 8/12/06
Type of trap? Elliot A's 88's	Dimension of traps (LxWxB)?
Number of traps? A=25 B=25	Interval between traps? 10m
Length of transect? 10	Bait used? Peanut & Honey / oats

Weather at start of survey	
Cloud cover: 5	Moon: -
Wind Direction and speed: 2	Rain: -
Temperature (°C): 26°C	
Comments: NOTE - Traps 1-20 on NW of Road e.g. EG 21-25 Hair tubes EG 1-20	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

Project #: 4200
Observer: TE, BS
Date: 4/12/06
Trap ID: EG1-25

23 JAN 2006
ENTERED

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting 299150	Easting 298915
	Northing 6211579	Northing 6211584
	Time (24 h): 11.00	Time (24 h): 12.30 ^{8/12/06}
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: <i>main track east</i> <i>* Note EG1-25 all located on line south of road.</i>		

Survey Details	
Date Traps set? 4/12/06	Date traps collected?
Type of trap? E A's & B's	Dimension of traps (LxWxB)?
Number of traps? 50	Interval between traps? 10m
Length of transect? 250	Bait used? P/Rolled Oats / Honey

Weather at start of survey	
Cloud cover: 6	Moon: -
Wind Direction and speed: 1 6	Rain: -
Temperature (°C): 21°C	
Comments: <i>First trap south of road & hair tube</i> <i>Last trap south of road & hair tube (+ cage trap) below rock shelf</i>	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

ENTERED
23 JAN 2008

Project #: 4200
Observer: KJC, Gwm
Date: 28/11/06
Trap ID: C1-C6

Location and timing	C1 Start	C6 Finish
MGA AMG Zone: 56	Easting 299139	Easting 298781
	Northing 6211595	Northing 6211612
	Time (24 h): 12.30	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: the Traps set along track A East		
Traps all set on south side of track with C1 closest to boundary track		

Survey Details	
Date Traps set? 28/11/06	Date traps collected? 4/12/06.
Type of trap? Cage	Dimension of traps (LxWxB)?
Number of traps? 6	Interval between traps? 25 50
Length of transect? 250	Bait used? Chicken wings

Weather at start of survey	
Cloud cover: 1/8	Moon: 0
Wind Direction and speed: 0	Rain: Nil
Temperature (°C): 25	
Comments: Very hot	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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

CAGE - Gully (6)



Trapping Survey

Proforma

STEREOD
23 JAN 2006

GPS 5

Project #: 4200
Observer: GWM, KJC, RH
Date: 22/11/06
Trap ID: C7 - C12

Location and timing	C7 Start	WAYPOINT Finish 001
MCA AMG Zone: 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: Eastern slope of main gully 2 traps north of access track A, 4 traps south		

Survey Details	
Date Traps set? 22/11/06	Date traps collected? 4/12/06.
Type of trap? CAGE	Dimension of traps (LxWxB)?
Number of traps? SIX	Interval between traps? 25-35 m.
Length of transect?	Bait used? CHICKEN

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 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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

CAGE (Kioye) ←



BIOSIS RESEARCH

ENTERED
Trapping Survey
Proforma

GPS #5: 002-003

Project #: 4200
Observer: RH, RB
Date: 28/11/06
Trap ID: C13-C16

Location and timing	Start	Finish
AMG Zone: 56	Easting 298106	Easting 298014
	Northing 6212968	Northing 6212928
	Time (24 h): 28/11/06 7:00	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: North of back 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/PEANUT BUTTER/HONEY

Weather at start of survey	
Cloud cover: 7/8	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 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

Project #: 4200
Observer: <i>RJC, GWM</i>
Date: <i>4/12/06</i>
Trap ID: <i>C17-C22</i>

ENTERED

Location and timing <i>MAA</i> AMG Zone: <i>56</i>	Start Easting <i>298498</i> Northing <i>6211896</i> Time (24 h):	Finish <i>C22</i> Easting <i>298589</i> Northing <i>6212042</i> Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: <i>Transect runs perpendicular and follows Handley Elliotts EGE1-25. along easement track.</i>		

Survey Details	
Date Traps set? <i>4/12/06</i>	Date traps collected?
Type of trap? <i>Cage</i>	Dimension of traps (LxWxB)?
Number of traps? <i>6</i>	Interval between traps? <i>25-35 m</i>
Length of transect? <i>170 m</i>	Bait used? <i>Chicken + rolled oats</i>

Weather at start of survey	
Cloud cover: <i>0/8</i>	Moon: <i>?</i>
Wind Direction and speed: <i>1</i>	Rain: <i>Nil</i>
Temperature (°C):	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	R	Road kill
F	Tracks, scratching	D	Dog kill
W	Heard call	C	Cat kill
Z	In raptor/owl pellet	V	Fox kill
X	In scat	S	Shot
M	Miscellaneous	I	Fossil/sub-fossil
T	Trapped or netted	N	Not located
E	Nest or roost		
H	Hair or feathers		
Y	Bones or teeth		
A	Stranded/beached		

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



Trapping Survey Proforma

Project #: 4200
Observer: KJC, Cwm
Date: 4/12/06 4/12/06
Trap ID: C23 - C26

ENTERED
23 JAN 2006

Location and timing	C23 Start	C26 Finish
MCA AMG Zone: 56	Easting <input type="text" value="298156"/>	Easting <input type="text" value="298232"/>
	Northing <input type="text" value="6212979"/>	Northing <input type="text" value="6213014"/>
	Time (24 h):	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly

Location description: Within ridge habitat parallel to Boundary track
Access boundary track ~~to~~ Right onto tarsealed track
Transect runs perpendicular to track from N → S, directly opposite ~~C13-16~~ C13-16.

Survey Details	
Date Traps set? Case 4/12/06	Date traps collected? 7/12/06
Type of trap? cage	Dimension of traps (LxWxB)?
Number of traps? 4	Interval between traps? 25-35
Length of transect? 110m	Bait used? Chicken + rolled oats

Weather at start of survey	
Cloud cover: 0/8	Moon: 2 ?
Wind Direction and speed: 1	Rain: NW
Temperature (°C): 20°C	
Comments:	
Cage 23 - Camera # 4 115-1502 (47)	

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

ENTERED
73 JAN 2006

Project #: 4200
Observer: KJC, GMM
Date: 4/12/06
Trap ID: 25 C27

* labeled
4/15/06
GMM

Location and timing	Start Accuracy = 8m	Finish
MCA AMG Zone: 56 <i>ONS</i>	Easting <input type="text" value="298402"/>	Easting <input type="text" value="6211862"/>
	Northing <input type="text" value="6211862"/>	Northing <input type="text" value=""/>
	Time (24 h): 14.00	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: trap set within gully habitat on northern side of main track west.		

Survey Details	
Date Traps set? Cage 4/12/06	Date traps collected?
Type of trap? <i>Cage</i>	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps? N/A
Length of transect? N/A single trap	Bait used? Chicken wing + rolled oats

Weather at start of survey	
Cloud cover: 0/8	Moon: ?
Wind Direction and speed: 1	Rain: Nil
Temperature (°C): 25.6	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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	

Microhabitat 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	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	

CAGE TRAP - *unmy (1)*



Trapping Survey Proforma

Project #: 4200
Observer: <i>KJC, GWM</i>
Date: <i>4/12/06</i>
Trap ID: 28 <i>C28</i>

ZINJANE 2006 D

**Labelled
C16 on
flags.*

Location and timing	Start Accuracy = 7m	Finish
<i>nGA</i> AMG Zone: <i>5b</i> <i>ONS</i>	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="3"/> <input type="text" value="4"/> <input type="text" value="0"/>	Easting <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="5"/> <input type="text" value="8"/> <input type="text" value="2"/>	Northing <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Time (24 h): <i>14-05</i>	Time (24 h):
Map sheet Name: <i>Appin</i>	Map sheet number: <i>9029-1S</i>	LGA: <i>Wollondilly</i>
Location description: <i>Access from picnic rd, main track west. Track is set further north from ets, along creek side C27</i>		

Survey Details	
Date Traps set? <i>4/12/06</i>	Date traps collected?
Type of trap? <i>Cage</i>	Dimension of traps (LxWxB)?
Number of traps? <i>1</i>	Interval between traps? <i>N/A</i>
Length of transect? <i>N/A</i>	Bait used? <i>Chicken + rolled oats</i>

Weather at start of survey	
Cloud cover: <i>0/8</i>	Moon: <i>?</i>
Wind Direction and speed: <i>1</i>	Rain: <i>Nil</i>
Temperature (°C): <i>25°C</i>	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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

ENTERED
23 JAN 2006

s4200 West Cliff SIS Bird Survey

100 x 200 m dreed

(B1)

SITE ID: GULLY ONE

OBSERVER: GWM

MGA ZONE: 56 Accuracy 10m

EASTING: 0298 743 NORTHING: 6211 359

DATE: 6 12 /2006

START TIME (24 hour time): 13:30

FINISH TIME (24 hour time): 14:00

NUMBER OF SURVEYORS: 1

TOTAL EFFORT (person hours): 0.5

WEATHER: Please circle where appropriate:

TEMPERATURE: Cold < 15°C Mild 15°C - 30°C (Hot) 30°C

PRECIPITATION: (Fine) Showers Rain

WIND STRENGTH: (Calm) Breeze Moderate Strong

WIND DIRECTION: N/A

CLOUD COVER (in eighths): 6

OTHER COMMENTS: FINE, CALM, MOST DAY

Habitat / Behaviour Codes

Microhabitat 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	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

INCIDENTAL OBSERVATIONS:

Species	Number	Direction from observer	Direction of bird movement Obs	Time	Vertical height from ground (metres)	Distance from Observer (metres)	Habitat/behaviour	Observation H = ✓ SH = ✓+ Seen Only = S	Notes
Brown Cuckoo-shrike	1							H	
Eastern whipbird	1							H	
White-throated Treecreeper	1							H	
Eastern spinebill	1							H	
Wattlebird	2+							H	
Shining Bronze-cuckoo	1							H	
Australian Raven	1								
New Holland Honeyeater	3+						UC	O	
Australian Raven	2		H						
Yellow-faced Honeyeater	1		H						
East spinebill	1		H						
Grey shrike-thrush	1		H						
Spotted Pardalote	1		H						
WTTIC	1		H						
Brown Thornbill	1		H						
Eastern Yellow Robin	1		O				MC		
Rufous Whistler	2		H						
Golden Whistler	1		H						
Buff-rumped Thornbill	1		O				PS		
Thornbill sp. (Cross-striated)	5+		O				MC		
Grey shrike-thrush	1		O				MC		
Eastern spinebill	1		O				MC		
Spotted Pardalote	1		H						
Brush Bronzewing	1		O				MC		
Little W'bird	1		O				MC		
Fair-tailed Cuckoo	1		H						near black water

ENTERED

s4200 West Cliff SIS Bird Survey

B2

SITE ID: GULLY 2

OBSERVER: GWM

MGA ZONE:

EASTING: 798324 NORTHING: 6211729

DATE: 6/17/2006

START TIME (24 hour time): 16:00

FINISH TIME (24 hour time): 16:30

NUMBER OF SURVEYORS: ONE

TOTAL EFFORT (person hours): Twenty mins

WEATHER: Please circle where appropriate:

TEMPERATURE: Cold < 15°C Mild 15°C - 30°C Hot > 30°C

PRECIPITATION: Fine Showers Rain

WIND STRENGTH: Calm Breeze Moderate Strong

WIND DIRECTION:

CLOUD COVER (in eighths): 4

OTHER COMMENTS:

Habitat / Behaviour Codes

Microhabitat 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	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

INCIDENTAL OBSERVATIONS:

Pied Currawong
Grey Shrike-thrush
Grey Fantail
White-browed Swallow } upstream

23/12/06

B3

s4200 West Cliff SIS Bird Survey

approx 100 x 200 m area search.

SITE ID: Gully 3 - western side of Brennan's Creek dam (north dam)

OBSERVER: GWM

MGA ZONE:

EASTING: 297891 see habitat/haerp data sheets NORTHING: 6212488

DATE: 13/12/2006

START TIME (24 hour time): 09:48

FINISH TIME (24 hour time): 10:18

NUMBER OF SURVEYORS: ONE

TOTAL EFFORT (person hours): HALF

WEATHER: Please circle where appropriate:

TEMPERATURE: Cold < 15°C Mild 15°C - 30°C Hot > 30°C

PRECIPITATION: Fine Showers Rain

WIND STRENGTH: Calm Breeze Moderate Strong

WIND DIRECTION: N/A

CLOUD COVER (in eighths): 8

OTHER COMMENTS:

Habitat / Behaviour Codes

Microhabitat 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	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

INCIDENTAL OBSERVATIONS:

Possible Rock warbler on ~~way~~ track in.

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

Species	Number	Direction from observer	Direction of bird movement Obs Type	Time	Vertical height from ground (metres)	Distance from Observer (metres)	Habitat/behaviour	Observation H = ✓ SH = ✓+ Seen Only = S	Notes
WTTC	1		H						
Spotted Pardalote	1		H						
Yellow-faced HE	1		H						
Wattlebird	1		H		offsite				
Grey Fantail	1		H		offsite				
YF HE	1		H						
Rufous Whistler	1		H						
East spirebill	1		H						
Rufous Whistler	1		H+O				UC		
Grey Fantail	1		H						
WTTC	1		H		offsite				
Sulphur crested C'too	1		H		offsite				
Rufous Whistler	1		H						
Brown Gerygone	1		H						
Grey Fantail	1		H						
Brown Thornbill	1		H						
Striated Pardalote	1		O				UC		
Superb Fairy-wren	2		H						
Brown-headed HE ?	1		H						
Spotted Pardal	1		H						
YF HE	3		O+H				FL/UC		
Little Wattlebird	2		O				UC		
East Spirebill	1		H						
Aust Raven	1		H		offsite				
Eastern Whipbird	1		H						
Brown Thornbill	1		H		offsite				

(B4)

s4200 West Cliff SIS Bird Survey

100 x 200 area search on west slope of Brennan's Creek gully south of gas easement track

SITE ID: Gully 3

OBSERVER: GWM

MGA ZONE:

EASTING: # NORTHING:

DATE: 7/12/2006

START TIME (24 hour time): 09:30

FINISH TIME (24 hour time): ~~09:50~~ 10:00

NUMBER OF SURVEYORS: ONE

TOTAL EFFORT (person hours): Tracy Miles Thirty mins

ENTERED
23 JAN 2006

WEATHER: Please circle where appropriate:

TEMPERATURE: Cold < 15°C Mild 15°C - 30°C Hot > 30°C

PRECIPITATION: Fine Showers Rain

WIND STRENGTH: Calm Breeze Moderate Strong

WIND DIRECTION:

CLOUD COVER (in eighths): 8

OTHER COMMENTS: Warm, fine, cloudy

Habitat / Behaviour Codes

Microhabitat 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	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

INCIDENTAL OBSERVATIONS:

Coppertailed skink

ENTERED
23 JAN 2006

s4200 West Cliff SIS Bird Survey

B5

SITE ID: B3
 OBSERVER: KJC
 MGA ZONE: S
 EASTING: 298158 NORTHING: 6211367
 DATE: 7/12/2006
 START TIME (24 hour time): 09:33
 FINISH TIME (24 hour time): 09:53
 NUMBER OF SURVEYORS: 1
 TOTAL EFFORT (person hours): 0.33

WEATHER: Please circle where appropriate:

TEMPERATURE: Cold < 15°C Mild 15°C - 30°C Hot > 30°C

PRECIPITATION: Fine Showers Rain

WIND STRENGTH: Calm Breeze Moderate Strong

WIND DIRECTION: N/A

CLOUD COVER (in eighths): 7/8

Area Search covered

OTHER COMMENTS: 2 ha area (100 x 200 m)
 Difficult to hear at times over noise from Appin Rd.

Habitat / Behaviour Codes

Microhabitat 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	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

INCIDENTAL OBSERVATIONS:

*location description:
 Ridge Bird Survey on western slope
 of Brennan's creek, within ridgetop
 woodland.*

Observation Type / Notes

Species	Number	Direction from observer	Direction of bird movement	Time	Vertical height from ground (metres)	Distance from Observer (metres)	Habitat/behaviour	Observation H = √ SH = √+ Seen Only = S	Notes
Aust. Raven	1	SH							
"	1	H	dist						
Eastern Spinebill	3	H							
Golden Whistler	1	H							
E. Whipbird	1	H	dist						
Pied Currawong	1	H	dist						
Fan-tailed Cuckoo	1	H	dist						
Eastern Spinebill	1	SH							
Sp. Pardalote	1	H							
YFHE	1	H							
NTTC	1	H							

*dist = distant ie outside 100 x 200 m² area.
survey

BIRD 1 (upland swamp/gully)

ENTERED
23 JAN 2006

s4200 West Cliff SIS Bird Survey

36

SITE ID: B1 (fixed point census)
 OBSERVER: JC (+ RVB)
 MGA ZONE: 56
 EASTING: 298352 NORTHING: 6212663
 DATE: 5 / 12 / 2006
 START TIME (24 hour time): 18:55
 FINISH TIME (24 hour time): 19:15
 NUMBER OF SURVEYORS: 1 (+1)
 TOTAL EFFORT (person hours): 0:33 (20mins)

WEATHER: Please circle where appropriate:
 TEMPERATURE: Cold < 15°C Mild 15°C - 30°C Hot > 30°C
 PRECIPITATION: Fine Showers Rain
 WIND STRENGTH: Calm Breeze → Moderate Strong
 WIND DIRECTION: NE
 CLOUD COVER (in eighths): 0/8

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

Habitat / Behaviour Codes

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

INCIDENTAL OBSERVATIONS:

s4200 West Cliff SIS Bird Survey

ENTERED

B7

SITE ID: B.R.1 (transect)

OBSERVER: JC

MGA ZONE: 56

START EASTING: 298560 NORTHING: 6212172

DATE: 6/12/2006

START TIME (24 hour time): 18:33

FINISH TIME (24 hour time): 19:03

NUMBER OF SURVEYORS: 1

TOTAL EFFORT (person hours): 0.5

WEATHER: Please circle where appropriate:

TEMPERATURE: Cold < 15°C Mild 15°C - 30°C Hot > 30°C

PRECIPITATION: Fine Showers Rain

WIND STRENGTH: Calm Breeze Moderate Strong

WIND DIRECTION: E

CLOUD COVER (in eighths): 7/8

OTHER COMMENTS: Located along ridge Hair Tube transect off power-line easement. 200m transect.

JP BRIS to BRIF

↓
to
FINISH
298509
6211968

Habitat / Behaviour Codes

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

INCIDENTAL OBSERVATIONS:

s4200 West Cliff SIS Bird Survey

ENTERED

38

SITE ID: BR2S to BR2F

OBSERVER: JC

GPS 4

MGA ZONE: 56

start EASTING: 298305 NORTHING: 6211435

DATE: 14/12/2006

Finish:
298095
6211372

START TIME (24 hour time): 17:18

FINISH TIME (24 hour time): 17:48

NUMBER OF SURVEYORS: 1

TOTAL EFFORT (person hours): 0.5

WEATHER: Please circle where appropriate:

TEMPERATURE: Cold < 15°C Mild 15°C – 30°C Hot > 30°C

PRECIPITATION: Fine Showers Rain

WIND STRENGTH: Calm Breeze Moderate Strong

WIND DIRECTION:

CLOUD COVER (in eighths): 7/8

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

Habitat / Behaviour Codes

Microhabitat 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	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

INCIDENTAL OBSERVATIONS:

Grey Shrike-thrush x 1 (H) after survey.

ANABAT - RIDGE (2 nights)

FAILED



Anabat Survey
Proforma

Project #: 4200
Observer: KTC / AWW
Date: 29/11/06
Site ID: AR-1

Location and timing		
MGA Zone: 56 (AR1)	Easting: 298415	Northing: 6211872
Start time (24 h): 29/11/06 20:30	Finish time (24 h): 1/12/06 10:10	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Ridge top woodland. Anabat set at end of easement track. Anabat Unit #2. Set within low shrubs		

Weather at start of survey	
Cloud cover: 8/8	Moon: N/A (cant see)
Wind Direction and speed: 3	Rain: nil
Temperature (°C): 18	
Comments: Windy. Battery power fine when anabat dismantled.	

2 nights
- same position

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3= ¾, 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 30.11.06 at 07:45.		left turned on during day	

NO CALLS
(FAILED)

Card reader does not recognize card.

purchase replacement card

Carry to look at card, may have data..

Tried at office on Sunday. Can't read card.

Wed - purchased new card reader, card read ok.

~~Data file 8kb only.~~ Nothing on card at all

Re formatted card and initialized card.

Data file much larger kb.

ANABAT - RIDGUE (2 nights)

FAILED



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 <input type="text" value="298398"/>	Northing <input type="text" value="6211924"/>
Start time (24 h): 20:40	Finish time (24 h): 1/12/06 10:00	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Ridgeway woodland. Anabat set at end of easement track within woodland. Approx 20m from parking spot. Anabat #1		

Weather at start of survey		
Cloud cover: 8/8	Moon: N/A	
Wind Direction and speed: 3	Rain: Nil	
Temperature (°C): 18°C		
Comments: <i>windy</i> Battery power fine when anabat dismantled.		
		2 nights - same position

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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 30.11.06 at	07:38	Left turned on.	

NO CALLS (FAILED)

valid Onobut sectors read = 15

1 File - not bat

dat file on ~~at~~ card 8kb.

re-formatted card

dat file 124 MB.

Anabat - Kidge (2 nights)

FAILED



Anabat Survey Proforma

Project #: 4200
Observer: KJC, CWM
Date: 4/12/06
Site ID: A3

Location and timing		
MGA Zone: 56 A3	Easting 299284	Northing 6212120
Start time (24 h): 4/12/06 20:00	Finish time (24 h): 6/12/06	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: On Western ^{Eastern} side of boundary track, approx 300m from truck parking area and immediately across road from large coal piles. Set to side of a small track. Anabat #1		

Weather at start of survey	
Cloud cover: 0/8	Moon: Full (4)
Wind Direction and speed: 0	Rain: Nil
Temperature (°C): 20	
Comments: Fine warm night.	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3= ¾, 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

NO CALLS
(FAILED)

Valid Anabot sectors read = 15

Cfc read: CF card has been erased
Recovers erased data?

Card Reader fine

Enter^{cf} card = reader doesn't read card,
Few attempts - reads card.

Status txt document 0 KB

Batfile DAT file 8 KB.

↳ Download with CFC Read

ANABAT - RIDGE (2 nights)

FAILED 5-6/12
SUCCESSFUL 6-7/12



Anabat Survey
Proforma

BIOSIS
RESEARCH

ENTERED
2 JAN 2012

Project #: 4200
Observer: KJC, CWM
Date: 5.12.06 - 7.12.06
Site ID: A4

Location and timing		
MGA Zone: 56 A4	Easting 297908	Northing 6211676
Start time (24 h): 5.12.06 night 2 = 17.00	Finish time (24 h): 7.12.06 08.30	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Anabat set on western side of study area on track immediately opposite locked gate off Appin Rd. Anabat set approx 60 m from Harp 5. Anabat #2 - new flash card.		

Weather at start of survey	
Cloud cover: 0/8	Moon: -
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 = ¼ Moon, 2 = ½, 3 = ¾, 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
6.12.06 - Anabat checked. Working properly.			
Night 1 - Used new flash card (Tomato brand)			
Not sure if flash card formatted		correctly - on tomato card	
Night 2 - Used Anabat #2 flash card (RVB/KJC formatted)			
- night 2 worked correctly.			
6-7/12/06	Vespadelus vulturnus	AD	15 passes
6-7/12/06	Vespadelus vulturnus	AM	22 passes (18 of these are 'highly probable')
6-7/12/06	Chalinolobus morio	AD	1 pass
6-7/12/06	Chalinolobus morio	AM	30 passes (24 of these are 'highly probable')
6-7/12/06	Miniopterus schreibersii oceanensis	AM	1 pass (highly probable)
	Chalinolobus morio or Vespadelus sp. (probably vulturnus)	AP	25 passes

Anabat

Gully

SUCCESSFUL



Anabat Trapping Survey Proforma



Project #: 4200
Observer: <i>awn + rsc</i>
Date: <i>6/12/06 - 8/12/06</i>
Trap ID: <i>ANABAT 5</i> <i>AS ON GPS</i>

Location and timing	Start	Finish
AMG Zone:	Easting <input type="text" value="0297757"/>	Easting <input type="text" value=""/>
<i>AS on GPS accuracy 10m</i>	Northing <input type="text" value="6212566"/>	Northing <input type="text" value=""/>
	Time (24 h): <i>20:40</i> <small>6/12/06</small>	Time (24 h): <i>08:30</i> <small>8.12.06</small>
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: <i>Norham Dam on Brennan's Creek</i> <i>Anabat #1 - card re-dated 6/12/07</i> <i>2 NIGHTS</i>		

Survey Details	
Date Traps set? <i>6/12/06</i>	Date traps collected?
Type of trap? <i>ANABAT</i>	Dimension of traps (LxWxB)?
Number of traps?	Interval between traps?
Length of transect?	Bait used?

Weather at start of survey	
Cloud cover: <i>8</i>	Moon:
Wind Direction and speed: <i>NIL</i>	Rain:
Temperature (°C):	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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
7/12	 	 	NHL				
Date	SPECIES		Accuracy	PASSES			
6-7/12/06	Chalinolobus gouldii		AD	27			
6-7/12/06	Chalinolobus gouldii		AM	12			
6-7/12/06	Chalinolobus gouldii		AP	2			
6-7/12/06	Vespadelus vulturinus		AM	3 (1 of these is highly probable)			
6-7/12/06	Vespadelus darlingtoni		AM	1 (highly probable)			
6-7/12/06	Vespadelus regulus		AM	1			
6-7/12/06	Scotorepens orion		AM	4 (2 of these are highly probable)			
6-7/12/06	Scotorepens orion		AP	4			
6-7/12/06	Myotis macropus		AM	1			
6-7/12/06	Myotis macropus		AP	1			
6-7/12/06	Mormopterus sp. 2		AM	12	AP=9		
6-7/12/06	Tadarida australis		AD	4			
6-7/12/06	Mormopterus sp. 2 or Chalinolobus gouldii		AP	2			
6-7/12/06	Myotis macropus or Scotorepens orion		AP	18			
7-8/12/06	Chalinolobus morio		AD	6, AM=3			
7-8/12/06	Vespadelus vulturinus		AM	3 (1 of these is highly probable)			
7-8/12/06	Scotorepens orion		AM	5 (3 of these are highly probable)			
7-8/12/06	Myotis macropus		AM	2 (1 of these is highly probable)			
7-8/12/06	Mormopterus sp. 2		AM	1 (highly probable)			
7-8/12/06	Mormopterus sp. 2 or Chalinolobus gouldii		AP	6			
7-8/12/06	Chalinolobus morio or Vespadelus sp. (probably vulturinus)		AP	3			

Anabat Ridge 1 night

SUCCESSFUL



Anabat Survey
Proforma

ENTERED
12 JAN 7

Project #: 4200
Observer: GWM + RUB
Date: 11-12/12/06
Site ID: A7 (same locn as A1)

BIOSIS ANABAT #1 locn A1 also waypoint 13 on GPS4

Location and timing		
MGA Zone:	Easting <input type="text" value="298415"/>	Northing <input type="text" value="6211872"/>
Start time (24 h): 22:00	Finish time (24 h): 15:40	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: set on south side of end of power easement track. Same location as A1.		

Weather at start of survey	
Cloud cover: 8	Moon: can't see moon
Wind Direction and speed: south, breeze-mod	Rain: Showers
Temperature (°C):	
Comments: Data downloaded 12/12/06	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3= ¾, 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	AM	2 passes (1 of these is highly probable)	
Chalinolobus gouldii	AP	3 passes	
Chalinolobus morio	AM	2 passes	
Miniopterus schreibersii oceanensis	AM	1 pass	

11-12/12/07
11-12/12/07
11-12/12/07
11-12/12/07



Anabat Survey

Proforma **ENTERED**

Project #: 4200
Observer: GUM + RUB
Date: 12-13/12/06 - 14/12/06
Site ID: A9

Biosis ANABAT #1 same loc as tree 11

Location and timing		
MGA Zone:	same as tree 11 Easting 298129	Northing 6212895
Start time (24 h): 16:30 (12/12)	Finish time (24 h): 20:30 (13/12) + 07:30 (14/12)	
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: to north of boundary road next to tree 11 side of small track in woodland (2 NIGHTS)		

Weather at start of survey	
Cloud cover: 8	Moon:
Wind Direction and speed:	Rain:
Temperature (°C):	
Comments: On night 12/12-13/12, Anabat set to "on" with flashing red light. On night 13/12 to 14/12 Anabat set to "tape" no flashing red light. Check for A12	

Cloud cover: Record cover in eights of sky *This card was left in due to card reader failure SEPARATE DATA*

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

	Species	Accuracy	Species	Accuracy
12-13/12/06	Chalinolobus gouldii	AD	5 passes, AM = 2 passes	AP = 1 pass
12-13/12/06	Vespadelus vulturinus	AM	2 passes (highly probable)	
12-13/12/06	Nyctophilus sp. geoffroyi or gouldi	AD	1 pass, AM = 1 pass	
12-13/12/06	Tadarida australis	AD	1 pass	
13-14/12/06	Chalinolobus gouldii	AD	37 passes	
13-14/12/06	Vespadelus vulturinus	AD	5 passes, AM = 35 passes (highly probable)	
13-14/12/06	Vespadelus darlingtoni	AD	1 pass	
13-14/12/06	Scotorepens orion	AM	2 (highly probable)	
13-14/12/06	Mormopterus sp-2	AP	1 pass	
13-14/12/06	Myotis macropus or Nyctophilus sp.	AP	3 passes	
"	Chalinolobus morio or Vespadelus sp (prob vulturinus)	AP	3 passes	
"	Scotorepens orion or Falstistrillus tasmaniensis	AP	1 pass	

sensitivity = 7

ANABAT GULLY

SUCCESSFUL



Anabat Survey
Proforma

ENTERED

Project #: 4200

Observer: JC & RVB

Date: 14/12 - 15/12/06

Site ID: A11

ANABAT #2

Location and timing		
MGA Zone: S6	Easting: 298465	Northing: 6211544
Start time (24 h): 18:30 (12)	Finish time (24 h): 8:30 (12/06)	8:30
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Gully of Brennans creek between Track A East & Track A West (access via track A west). Right on creek.		

Weather at start of survey	
Cloud cover: 7/8	Moon: N/A
Wind Direction and speed: NIL	Rain: NIL
Temperature (°C): hot & humid	
Comments: Note: disk also contains data for A10, night of the 13 th Dec.	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	AD	139 passes, AM = 31 passes	
Chalinolobus morio	AM	1 pass	
Vespadelus vulturinus	AM	5 passes	
Miniopterus schreibersii oceanensis	AM	1 pass, AP = 1 pass	
Scotorepens orion	AM	1 pass (highly probable)	
Nyctophilus sp. (geoffroyi or gouldii)	AM	1 pass	
Chalinolobus morio or Vespadelus sp.	AP	2 passes	



Anabat Survey
Proforma

Project #: 4200
Observer: RVB + JC
Date: 14.12.06
Site ID: A12

ENTERED
4 JAN 2007

Location and timing		
MGA Zone: 56	Easting: 297891	Northing: 6210884
Start time (24 h): 10:00	Finish time (24 h): 8:30 ^{slight}	
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 Brenna's Creek. Access through Appin Rd gate.		

Weather at start of survey	
Cloud cover: 7/8	Moon: N/A
Wind Direction and speed: Still	Rain: None
Temperature (°C): Hot + humid	
Comments: Note: disk also contains data for A9, night of the 13 th Dec.	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 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	AD	9 passes AM=1	
Chalinolobus morio	AD	1 pass AM=6 (3 of these are highly probable)	
Vespadelus pumilus	AM	3 passes	
Nyctophilus sp. (geoffroyi or gouldii)	AM	1 pass	
Mormopterus sp. 2	AD	2 passes	
Chalinolobus morio or Vespadelus sp.	AP	3 passes	
Myotis macroopus or Nyctophilus sp.	AP	1 pass	



Trapping Survey Proforma

ENTERED
27 JAN 2006

Project #: 4200
Observer: GM, JS, KJC, RVB
Date: 27.11.06 to
Trap ID: ET1 (Elliott Tree 1)

Location and timing	Start	Finish
MCA AMS Zone: 56	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="9"/> <input type="text" value="2"/> <input type="text" value="4"/> <input type="text" value="3"/>	Easting <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="6"/> <input type="text" value="1"/> <input type="text" value="8"/>	Northing <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	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) Trap dates 27.11.06 - 7.12.06 (closed over weekend) 7 Trap nights		

Survey Details	
Date Traps set? 27.11.06	Date traps collected?
Type of trap? Elliott B	Dimension of traps (LxWxB)?
Number of traps? 1	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: Nil
Temperature (°C): Mild	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 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.

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	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	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	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



Trapping Survey
Proforma

ENTERED
73 JAN 2006

Project #: 4200
Observer: JC, RVB, GM, KJC
Date: 28.11.06 to
Trap ID: ET2

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting 299151	Easting <input type="text"/>
	Northing 6211624	Northing <input type="text"/>
	Time (24 h): 08:50 _{28.11.06}	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Track A East (ridge) Trap dates 28.11.06 - 7.12.06 (closed over weekend) 6 Trap nights		

Survey Details	
Date Traps set? 28.11.06	Date traps collected?
Type of trap? Elliott 6	Dimension of traps (LxWxB)?
Number of traps? 1	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: 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 = ¼ Moon, 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.

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	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	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	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



Trapping Survey Proforma

ENTERED
23 JAN 2006

Project #: 4200
Observer: RBJC
Date: 28/11/06 to
Trap ID: ET3 (Elliot tree 3)

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting 298990	Easting
	Northing 6211607	Northing
	Time (24 h): 09:30 11:15	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Track A East. (ridge) Trap Dates: 28/11/06 - 7/12/06 (closed over weekend) 6 Trap Nights		

Survey Details	
Date Traps set? 28/11/06	Date traps collected?
Type of trap? Elliot B	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps?
Length of transect?	Bait used? Rolled oaks honey & peanut butter Honey spray

Weather at start of survey	
Cloud cover: NIL	Moon: N/A
Wind Direction and speed: very light breeze 1	Rain: NIL
Temperature (°C): Hot & humid	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	R	Road kill
F	Tracks, scratching	D	Dog kill
W	Heard call	C	Cat kill
Z	In raptor/owl pellet	V	Fox kill
X	In scat	S	Shot
M	Miscellaneous	I	Fossil/sub-fossil
T	Trapped or netted	N	Not located
E	Nest or roost		
H	Hair or feathers		
Y	Bones or teeth		
A	Stranded/beached		

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



Trapping Survey Proforma

ENTERED
29 JAN 2006

Project #: 4200
Observer: RVB, JC, KJC, CM
Date: 28.11.06 to
Trap ID: ET4

Location and timing	Start	Finish
AMG Zone: 5b	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="9"/> <input type="text" value="4"/> <input type="text" value="5"/>	Easting <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="5"/> <input type="text" value="9"/> <input type="text" value="4"/>	Northing <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Time (24 h): 14:30 _{28.11.06}	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Track A East (ridge) 6 Trap nights Trap Dates: 28/11/06 - 7/12/06 (closed over weekend)		

Survey Details	
Date Traps set? 28.11.06	Date traps collected?
Type of trap? Elliott B	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps?
Length of transect?	Bait used? Rolled oats mix + honey spray.

Weather at start of survey	
Cloud cover: 1/8	Moon:
Wind Direction and speed: light breeze	Rain: Nil
Temperature (°C): Hot + humid	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

ENTERED
3 JAN 2006

Project #: 4200
Observer: GM, KSC, RUB, JZ
Date: 28.11.06 to
Trap ID: ETS

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="5"/> <input type="text" value="1"/> <input type="text" value="1"/>	Easting <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="5"/> <input type="text" value="6"/> <input type="text" value="5"/>	Northing <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Time (24 h):	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Gully (access off end of Track A East).		

Survey Details	
Date Traps set? 28.11.06	Date traps collected?
Type of trap? Elliott B	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps?
Length of transect?	Bait used? Rolled oat mix + honey spray

Weather at start of survey	
Cloud cover: 7/8	Moon:
Wind Direction and speed: Light breeze	Rain: Nil
Temperature (°C): hot + humid	
Comments: Mountain Dragon x1 (0) in leaf litter.	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Proforma

EXPIRED
23 JAN 2008

Project #: 4200
 Observer: LWM, KSC, SC, RBR
 Date: 29-11-06 to
 Trap ID: ET6

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting 0298535	Easting
WAYPOINT 2 ON GPS 4	Northing 6211584	Northing
Accuracy 8m	Time (24 h): 11:30 29-11-06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Elliot in tree near LHS of track at top of gully. Also 3 hair tubes, 1 mid-way on trunk, one on Banksia t on lower limb		

-see other data sheet

Survey Details		
Date Traps set?	29-11-06	Date traps collected?
Type of trap?	Elliot R Tree	Dimension of traps (LxWxB)?
Number of traps?	One	Interval between traps?
Length of transect?	N/A	Bait used? 10 ants mix + honey spray

Weather at start of survey	
Cloud cover:	0 Moon:
Wind Direction and speed:	STRONG Rain: NIL
Temperature (°C):	20-30
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

ENTERED
29 JAN 2006

Project #: 4200
Observer: RVD, KJC, GWM, JZ
Date: 30.11.06 to
Trap ID: ET 7

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting 298359	Easting <input type="text"/>
	Northing 6211532	Northing <input type="text"/>
	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 track when facing creek.		

Survey Details	
Date Traps set? 30.11.06	Date traps collected?
Type of trap? Elliott B	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps?
Length of transect?	Bait used? Rolled oats mix + 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
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 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.

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	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	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	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



Trapping Survey Proforma

Project #: 4200
Observer: KJC, RUB, JC, GWM
Date: 30.11.06 to
Trap ID: ET8

ENTERED
JAN 2007

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting <input type="text" value="298419"/>	Easting <input type="text" value=""/>
	Northing <input type="text" value="6211463"/>	Northing <input type="text" value=""/>
	Time (24 h): 18:20 30.11.06	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Track A West - Gully - RHS of track when facing creek, approx. opposite ET7.		

Survey Details	
Date Traps set? 30.11.06	Date traps collected?
Type of trap? Elliott B	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps?
Length of transect?	Bait used? Rolled oats mix + honey spray.

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

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 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.

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	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	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	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



Trapping Survey Proforma

Project #: 4200
Observer: KJC, AM, RUB, JC
Date: 30.11.06 to
Trap ID: ET9

ENTERED

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="4"/> <input type="text" value="6"/> <input type="text" value="9"/>	Easting: <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="5"/> <input type="text" value="0"/> <input type="text" value="6"/>	Northing: <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	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 - Aully - RHS of track when facing creek, furthest in.

Survey Details	
Date Traps set? 30.11.06	Date traps collected?
Type of trap? Elliott B	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps?
Length of transect?	Bait used? Rolled oats mix + honey spray

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

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

ENTERED
25 JAN 2007

Project #: 4200
Observer: KJC, GWM, RVB, JR
Date: 30-11-06 to
Trap ID: ET10

Location and timing	Start	Finish
56 AMG Zone: 56	Easting <input type="text" value="298441"/>	Easting <input type="text" value=""/>
	Northing <input type="text" value="6211505"/>	Northing <input type="text" value=""/>
	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 track when facing creek, closest to track.		

Survey Details	
Date Traps set? 30-11-06	Date traps collected?
Type of trap? Elliott B	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps?
Length of transect?	Bait used? Rolled oats mix + honey spray

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

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 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.

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	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	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	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



Trapping Survey

Performs
ENTERED
 28 JAN 2006

Project #: 4200
Observer: KC / RB
Date: 11/12/06
Trap ID: ET11 (Ridge)

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting 298129	Easting □□□□□□
	Northing 6212895	Northing □□□□□□
	Time (24 h): 10:30	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: sealed tarred road off boundary 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? 1	Interval between traps?
Length of transect? —	Bait used? Rolled oats honey & peanut butter

Weather at start of survey	
Cloud cover: 0	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 = ¼ Moon, 2 = ½ 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)	R	Road kill
W	Heard call	D	Dog kill
X	In scat	C	Cat kill
T	Trapped or netted	V	Fox kill
H	Hair or feathers	S	Shot
A	Stranded/beached	I	Fossil/sub-fossil
F	Tracks, scratching	Z	In raptor/owl pellet
M	Miscellaneous	E	Nest or roost
Y	Bones or teeth	N	Not located

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



Trapping Survey Proforma

ENTERED

23 JAN 2006

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

Location and timing	Start	Finish
MGA AMG Zone: SG	Easting 298135	Easting <input type="text"/>
	Northing 6212905	Northing <input type="text"/>
	Time (24 h): 11:00	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: RIDGE - tarred road 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? 1	Interval between traps? -
Length of transect? =	Bait used? rolled oats

Weather at start of survey	
Cloud cover: 0	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 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

ENTERED
29 JAN 2007

Project #: 4200
Observer: KJC & ENB
Date: 11/12/06
Trap ID: ET 13

Location and timing	Start	Finish
MLK AMG Zone:	Easting 298045	Easting <input type="text"/>
	Northing 6202933	Northing <input type="text"/>
	Time (24 h):	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: RIDGE - see turned 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 oats honey peanut butter

Weather at start of survey	
Cloud cover: N/L	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 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

ENTRANCED

Project #: 4200
Observer: KJC & RVB
Date: 11/12/06
Trap ID: ET14

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting 298101	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? 11/12/06	Date traps collected?
Type of trap? ELIOT B TREE	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps? -
Length of transect? -	Bait used? rolled oats honey & peanut butter

Weather at start of survey	
Cloud cover: NIL	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 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

INTERFERED
 23 JAN 2006

Project #: 4200
Observer: KJC & KUB
Date: 11/12/06
Trap ID: ET15 RIDGE

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="2"/> <input type="text" value="3"/> <input type="text" value="1"/>	Easting <input type="text" value=""/><input type="text" value=""/><input type="text" value=""/><input type="text" value=""/><input type="text" value=""/><input type="text" value=""/>
	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="7"/> <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="1"/> <input type="text" value="6"/>	Northing <input type="text" value=""/><input type="text" value=""/><input type="text" value=""/><input type="text" value=""/><input type="text" value=""/><input type="text" value=""/><input type="text" value=""/><input type="text" value=""/>
	Time (24 h):	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: RIDGE: track through gate near main road, leading to Brennan's Creek gully (Track A west)		

Survey Details	
Date Traps set? 11/12/06	Date traps collected?
Type of trap? <u>ELLIOT B TREE</u>	Dimension of traps (LxWxB)?
Number of traps? <u>1</u>	Interval between traps?
Length of transect? <u>-</u>	Bait used? <u>rolled oats honey peanut butter</u>

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

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

ENTERED

23 JAN 2006

Project #: 4200
Observer: KJC & PUB
Date: 11/12/06
Trap ID: ET16 RIDGE

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting 298206	Easting <input type="text"/>
	Northing 6211434	Northing <input type="text"/>
	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? ELLIOT B TREE	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps? -
Length of transect? -	Bait used? rolled oats honey & peanut butter

Weather at start of survey	
Cloud cover: 0	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 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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

UNIVERSITY OF
3 JAN 2006



Trapping Survey Proforma

Project #: 4200
Observer: KJC & RVB
Date: 11/12/06
Trap ID: ET17 (ridge)

Location and timing	Start	Finish
MCA AMG Zone: S6	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: 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? 1	Interval between traps? -
Length of transect? -	Bait used? rolled oats honey peanut butter

Weather at start of survey	
Cloud cover: 8	Moon: N/A
Wind Direction and speed: light breeze	Rain: NIL
Temperature (°C): Hot	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

Project #: 4200
Observer: KJC & RUB
Date: 11/12/06
Trap ID: ET18

23 JAN 2007
ENTRANCE D

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting <input type="text" value="298277"/>	Easting <input type="text" value=""/>
	Northing <input type="text" value="6201495"/>	Northing <input type="text" value=""/>
	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? 1	Interval between traps?
Length of transect? -	Bait used? rolled oats honey peanut butter

Weather at start of survey	
Cloud cover: 8/8	Moon: N/A
Wind Direction and speed: breeze	Rain: NIL
Temperature (°C): hot	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 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.

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	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	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	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



Trapping Survey Proforma

ENTERED
23 JAN 2006

Project #: 4200
Observer: KJC & RUB
Date: 11/12/06
Trap ID: ET19

Location and timing	Start	Finish
MGA AMG Zone: 56	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="1"/>	Easting <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="3"/> <input type="text" value="8"/>	Northing <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Time (24 h):	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: <i>Track A West</i>		

Survey Details	
Date Traps set? <i>11/12/06</i>	Date traps collected?
Type of trap? <i>TREE ELLIOT B</i>	Dimension of traps (LxWxB)?
Number of traps? <i>1</i>	Interval between traps?
Length of transect? <i>-</i>	Bait used? <i>rolled oats honey & peanut butter</i>

Weather at start of survey	
Cloud cover: <i>8/9</i>	Moon: <i>N/A</i>
Wind Direction and speed: <i>breeze</i>	Rain: <i>NIL</i>
Temperature (°C): <i>Hot</i>	
Comments:	

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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
13/12	ET19	Tree	Petaurus breviceps	unknown			escaped before 10:10'd from white tip on tail
12/12							
14/12	ET19	Tree	Petaurus breviceps				-weight (with bag) - 178g bag only: 51g glider weight = 127g
15/12	ET19	Tree	Petaurus breviceps				-weight (with bag) - 114g bag: 54g glider weight = 60g

~~scribble~~



Trapping Survey

Proforma

ENTERED
20 JAN 2006

Project #: 4200
Observer: RVB, KJC
Date: 11/12/06
Trap ID: ET20 (RIDGE)

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="7"/> <input type="text" value="7"/> <input type="text" value="6"/> <input type="text" value="2"/>	Easting <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
ET20	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="0"/> <input type="text" value="2"/> <input type="text" value="3"/>	Northing <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
	Time (24 h): 11/12/06 16:00	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Easement track west - RIDGE		

Survey Details	
Date Traps set? 11/12/06	Date traps collected?
Type of trap? Elliot B	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps? N/A
Length of transect? N/A	Bait used? Rolled oats + honey

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

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	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



Trapping Survey Proforma

23 ENTERED JAN 2006 D

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

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting 297781	Easting <input type="text"/>
<i>Sungas</i>	Northing 6212016	Northing <input type="text"/>
	Time (24 h): 11/12/06 16:00	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Easement track west - Ridge		

Survey Details	
Date Traps set? 11/12/06	Date traps collected?
Type of trap? Elliot B.	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps? N/A
Length of transect? N/A	Bait used? Rolled oats + honey spray

Weather at start of survey	
Cloud cover: 8/8	Moon: ?
Wind Direction and speed: slight breeze (1)	Rain: spitting
Temperature (°C): HOT	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 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.

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	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	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	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



Trapping Survey Proforma

ENTERED
23 JAN 2007

Project #: 4200
Observer: KJC, RVB.
Date: 11/12/06
Trap ID: ET22 (RIDGE)

Location and timing	Start	Finish
MCA AMG Zone: 56	Easting <input type="text" value="297808"/>	Easting <input type="text" value=""/>
	Northing <input type="text" value="6212002"/>	Northing <input type="text" value=""/>
	Time (24 h): 11/12/06 16:30	Time (24 h):
Map sheet Name: Appin	Map sheet number: 9029-1S	LGA: Wollondilly
Location description: Easement track west - Ridge		

Survey Details	
Date Traps set? 11/12/06	Date traps collected?
Type of trap? Elliot B	Dimension of traps (LxWxB)?
Number of traps? 1	Interval between traps? N/A
Length of transect? N/A	Bait used? rolled oats + honey spray

Weather at start of survey	
Cloud cover: 8/8	Moon: ?
Wind Direction and speed: 1	Rain: 0
Temperature (°C): 30 Hot	
Comments:	

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ 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)	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

Microhabitat 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	IR	In reeds	TK	ON trunk
DT	In dead tree (stag)	IS	In soil	UB	Under bark
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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

