## NORTHERN RIVERS REGION

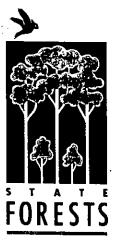
To

NESFHAB representatives:

1) Georgia Beyer, Daniel Hall

2) Russ Ainley

From	Mark Carron, Harvesting Advisory Board Co-ordinator
Date	26 May 1998
Subject	FLORA and FAUNA SURVEY RESULTS



Attached please find a copy of pre-harvest flora and fauna surveys conducted in Gibraltar Range S.F. Compartments 66 and 68.

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Please note that the reports on the pre-harvest flora and fauna surveys in Gibberagee S.F. Compartments 117/118 and 119/122 have not been completed, but will be provided to you soon.

Regards,

Mark Carron



## STATE FORESTS of NSW. THREATENED SPECIES PROTOCOL PRE-LOGGING AND PRE-ROADING SURVEY REPORT.

NORTHERN

REGION

GLEN INNES MANAGEMENT AREA

**RIVERS** 

STATE FOREST:

GIBRALTAR RANGE

SURVEY REPORT NO:

G.R. 3/98

COMPARTMENT

66, 68

## PART A. DESKTOP REVIEW

Undertaken by:

K. McCray

1. Previous Surveys undertaken within 2 km or 5 km.

Survey Type	Source	Date	Distance	Deliable C
Flora	GIMA EIS	- 50.0	Distance	Reliable Survey
Spotlight	GIMA EIS	<del></del>	<del></del>	<del></del>
Nocturnal Call Playback	GIMA EIS	<del></del>	<del></del>	
Hairtubes	GIMA EIS		<del></del>	<del></del>
Scat and Track	GIMA EIS	<del></del>	<del></del>	<del></del>
Riparian Frog	GIMA EIS	<del></del>	<del>-  </del>	<del> </del>
Non-riparian Frog	GIMA EIS		<del></del>	<u>-</u>
Micro Bats	GIMA EIS	<del></del>	<del>- </del>	<del> </del>
Small Mammals	GIMA EIS		<del></del>	ļ <u>.</u>
Diurnal Birds	GIMA EIS		<del></del>	<del> </del>
Reptiles	GIMA EIS	<del></del>	<del> </del>	<del> </del>

Notes:

Six Glen Innes EIS sites located in Gibraltar SF

AMG 420400 6723300, 421600 6725700, 422200 6727300, 423600 6721600,

426400 6722200, 423300 6715100

Northern Rivers Region - Threatened Species Pre-logging and Pre-roading Survey

2. Results of Database Search - Species recorded within 2 km or 5 km.

Species Name	AMGNorth	AMGEast	Date	Observation	Observers	Source
Grey Falcon	6727300	422200	21/09/91	Туре	Name	
Grey Falcon	6723300			0	Smith,A	EIS
Grey Falcon		420400	21/09/91	0	Smith,A	EIS
Grey Falcon	6724900 6727400	420100	21/09/91	0	Smith,A	EIS
Grey Falcon		421400	21/09/91	0	Smith,A	EIS
Masked Owl	6722200	426400	22/09/91	0	Smith,A	EIS
_ , -	6723300	420400	20/09/91	0	Smith,A	EIS
Tiger Quoll	6715100	423300	24/09/91	P	Smith,A	EIS
Grey Falcon	6721600	423600	21/09/91	0	Smith,A	EIS
Grey Falcon	6725700	421600	21.09.91	0	Smith,A	EIS
Grey Falcon	6727100	420800	21.09.91	0	Smith,A	EIS
Arthraxon	6723001	423004	26/03/30		White-	AGIS
hispidus					Haney,J	
Arthraxon	6723001	423004	27/02/30		White-	AGIS
hispidus					Haney,J	
Tiger Quoll	6717400	422400	20/09/91		Smith, A	AGIS
Glossy-black	6717400	422400	20/09/91		Smith,A	AGIS
Cockatoo					,	
Powerful Owl	6716580	420300	09/11/94	0	Scotts,DJ	NP-Atlas
Rufous Scrub-	6716580	420800	07/11/94	0	Scotts,D	NP-Atlas
bird		l .			,,.	111 11111111
Rufous Scrub-	6723500	422500	01/01/80		Holmes,G	NP-Atlas
bird						111 111100
Parma Wallaby	6721800	420200	11/01/74	0	Maynes,G	NP-Atlas
Parma Wallaby	6720500	421500	10/01/74	0	Mayne,G	NP-Atlas
Philoria sp.	6721600	423600	20/09/91		Smith,A	AGIS
Parma Wallaby	6721600	423600	20/09/91		Smith, A	AGIS
Parma Wallaby	6715100	423300	20/09/91		Smith,A	AGIS
Parma Wallaby	6716200	422600	20/09/91		Smith,A	AGIS
Parma Wallaby	6716200	423200	20/09/91	l	Smith,A	AGIS
Tiger Quoll	6716200	423200	20/09/91		Smith,A	AGIS
Tiger Quoll	6716200	422600	20/09/91		Smith,A	AGIS
Tiger Quoll	6715100	423300	20/09/91		Smith,A	
3 (			20107171		Janua, A	AGIS

NPWS Atlas Date: 2 Sep 1997 SF Fauna Records Updated to: 27 Jan 1998 SF Flora Records Updated to: 27 Jan 1998

Notes: See appended sheets

NORTHERN

REGION

GLEN INNES MANAGEMENT AREA

RIVERS

STATE FOREST:

GIBRALTAR RANGE

SURVEY REPORT NO:

G.R. 3/98

COMPARTMENT

66, 68

## PART B. Flora and Threatened Fauna Features Traverse

Net Area:

284 hectares

Traverse Length:

kilometres (route of traverse on attached map)

Surveyed By:

K. Harvey / R. Herklots, and N. Douglas / N. Harvey (Fauna); D. Binns

(Flora)

Duration of Traverse:

30

(Person Hours)

1. Conservation Protocol Appendix 1 Flora Detections

Species Name	AMGNorth	AMGEast	Locality Description	Date	Observers Name	Number Observed	Count/ Estimate
NA							

Notes:

No Sch. 1 or 2 species located.

Location of detections shown on attached map.

Threatened Flora Individuals or Populations are marked in the field.

## 2. Conservation Protocol Threatened Fauna Features Detected

Feature Type	Marked in Field	Marked on Map
Sooty Owl	No	Yes
Yellow-bellied Glider	No	Yes
Powerful Owl	No	Yes
Golden-tipped Bat	No	Yes

Notes:

A footnote to the attached Field Diary (p.1) suggests good habitat for Mixophyes

(undetected during this survey) exists and follow up surveys will be made.

Number of Data Sheets Attached:

65

NORTHERN

REGION

GLEN INNES MANAGEMENT AREA

**RIVERS** 

STATE FOREST:

GIBRALTAR RANGE

SURVEY REPORT NO:

G.R. 3/98

COMPARTMENT

66, 68

## PART C: TARGETED FAUNA SURVEYS

1. Assessment of Surveys Required

Survey Type	Previous Surveys (Date)	Adequate	Survey Required (Y/N/IP <sup>1</sup> )
Spotlight			Yes
Noctumal Call Playback		<del></del>	
Hairtubes		<del> </del>	Yes
Scat and Track	<del></del>	<del> </del>	No, IP
Riparian Frog	<del> </del>	<del> </del>	Yes
Non-riparian Frog	<del> </del>	<del> </del>	Yes
Micro Bats	· <del>                                       </del>	<del> </del>	Yes
Small Mammals	<del></del>	<del></del>	Yes
Diurnal Birds		ļ <u> </u>	No, IP
	<del>_</del>		No, IP
Reptiles	·		No, IP

IP = implement prescription without survey

Notes:

See appended sheets

## 2. Surveys Undertaken

Survey Type	Date Undertaken	Time Spent	Undertaken By
see appended sheets			

Location of surveys shown on attached maps.

Notes:

Refer to 'surveys undertaken' sheets attached to this section of report

Number of Data Sheets Attached:

32

NORTHERN

REGION

GLEN INNES MANAGEMENT AREA

**RIVERS** 

STATE FOREST:

GIBRALTAR RANGE

SURVEY REPORT NO:

G.R. 3/98

COMPARTMENT

66, 68

## PART D. SURVEY RESULTS

Prepared By:

K. McCray

Date:

18 Mar 1998

### New Threatened Fauna Detections

Species Name	AMGNorth	AMGEast	Date	Observation Type	Observers Name	Survey/ Incidental
Powerful Owl	6716950	424050	4/3/98	Heard	K. Harvey / R. Herklots	Survey
Powerful Owl	6717050	424900	4/3/98	Heard	K. Harvey / R. Herklots	Survey
Yellow-bellied Glider	6714850	424420	5/3/98	Heard	K. Harvey / R. Herklots	Survey
Sooty Owl	6714970	423800	5/3/98	Sighting	K. Harvey / R. Herklots / N. Douglas / N. Harvey	Incidental
Powerful Owl	6716900	422600	10/3/98	Heard	K. Harvey / R. Herklots	Survey
Sooty Owl	6717400	422750	10/3/98	Heard	K. Harvey / R. Herklots	Survey
Powerful Owl	6716020	423100	11/3/98	Heard	K. Harvey / R. Herklots	Survey
Powerful Owl	6716230	423450	11/3/98	Heard	K. Harvey / R. Herklots	Survey
Sooty Owl	6716600	422950	11/3/98	Heard	K. Harvey / R. Herklots	Survey
Sooty Owl	6716400	423350	11/3/98	Heard	K. Harvey / R. Herklots	Survey
Golden-tipped Bat	6716550	424100	10/3/98	Handled	N. Douglas / N. Harvey	Survey

Notes: these and other new Threatened Fauna detections are provided on appended sheets

#### SUMMARY

The results of the database search, threatened flora and fauna traverse and spotlighting, nocturnal callback surveys result in the implementation of the following threatened flora and fauna prescriptions:

- · CWR terrestrial and arboreal
- Sooty Owl
- Powerful Owl
- Glossy Black Cockatoo
- Rufous Scrub-bird

- Tiger Quoll
- Yellow-bellied Glider
- Brush-tailed Rock Wallaby
- Parma Wallaby
- Golden-tipped Bat

### Attachments:

- 1. Flora survey report
- 2. Threatened flora and fauna records SFNSW database
- 3. Fauna survey reports Fauna survey team
- 4. Data sheets Binns and fauna survey team
- 5. Maps showing flora and fauna survey effort, and sample points Binns and fauna survey team

# FLORA AND FAUNA SURVEY OF COMPARTMENTS 66 AND 68, GIBRALTAR RANGE STATE FOREST

- prepared by N.W. Longmore March 1998

Results of field surveys are provided as field diary notes, data sheets, and species lists, with scheduled and target species records provided as AMG co-ordinants. Maps provide details of sample sites, playback locations, harp trap locations, sonar detection sites, species records and distributions, and extent and location of various transects and traverses undertaken.

#### Introduction:

Flora surveys were conducted by D. Binns [2-3 March 1998], with Harvey and Douglas [SFNSW] assisting with the integrated fauna surveys and the general and target species fauna surveys [3-5 March 1998 and 10-12 March 1998]. As part of the core survey team Robyn Herklots and Nicole Harvey assisted with surveys of all fauna groups ['surveys undertaken' lists provided].

Results of the detailed analysis of recorded microchiropteran bat calls, and capture records for harp trapping, conducted by Noel Douglas and Nicole Harvey are appended to this report as are the results of frog transects and habitat searches conducted by Kevin Harvey.

General description of survey area: The two compartments cover an area of approximately 480 hectares, with the proposed net loggable area adjusted to approximately 440 hectares after deletion of mapped Old-growth, steep areas, standard riparian and forest type exclusions.

The geology of Compartments 66 and 68 is a mixture of Drake Volcanics (acid to minor eruptives with minor embedded sediments) and Shannonvale Granordiorite (medium grained homblende-biotite granordiorite). Sediment derived soils ocur within the gullies and are generally associated with the rainforest habitats.

Altitudinal range varies from 850m to 990m in the harvestable area of Compartment 66, and 800m to 1020m in the harvestable area of Compartment 68. Slope classes vary from slight to moderate on the north east with steeper slopes mostly in the west (Compartment 66), and slight to moderate slopes in the west with steeper slopes in the east (Compartment 68).

The vegetation of the area is dominated by New England Blackbutt (Ft.163) and Tallowwood - Sydney Blue Gum (Ft.47) and is illustrated by the forest type map [SFNSW], with rainforest occupying some of the gullies. Species lists for each forest type have been compiled and are appended to this report. These provide an indicative sample of the various habitats, floristic alliances, forest types, transitional boundaries and overlaps, and understoreys.

The sequence of forest types largely follows the altitudinal, topographical, and soil gradients, and variations, with most of the upslope areas dominated by Ft. 163 (New England Blackbutt), and Ft. 47 (Tallowwood-Sydney Blue Gum) extending onto the lower slopes. Some of the gullies and lower slopes have rainforest Ft. 2/3

Northern Rivers Region - Threatened Species Pre-logging and Pre-roading Survey (Yellow Carabeen, Corkwood, Sassafras, Crabapple, Silver Sycamore) and Ft. 11/12 (Coachwood, Crabapple, Sassafras) these rainforested areas occur in the moist riparian areas protected from fire.

Flora survey methodology: Plant species recorded from each forest type, and habitat, were listed. Walked traverses were mapped [see attachments]. Particular attention was directed to locating and recording the distribution and numbers of ROTAP plant species [Briggs and Leigh, 1995 revised], and Schedules 1 & 2 [NSW Threatened Species Act, 1995] plant and animal species.

Fauna survey methodology: This includes the application of the pre-logging and roading survey design forming part of the Threatened Species Protocol [3 Jun 1997 updated], incidental records collected during flora and habitat assessments, as well as the results of integrated Koala transect surveys, and includes:

- 1. walked spotlight transects, one kilometre long [minimum], using 100 watt light fitted with dimmers. A minimum period of ten minutes listen at the start and finish was included.
- 2. call playback for target species. Nocturnal: Powerful Owl, Masked Owl, Sooty Owl, Yellow-bellied Glider, Koala, and Squirrel Glider. Diurnal: Rufous Scrub-bird, Olive Whistler.

Calls are started after a substantial listening period and played briefly at low volume. This is done to avoid disrupting localised activity of the target or other species which may respond, or be disturbed, and to maximise knowledge of actual habitat use, rather than gaining responses from further afield (at least initially). Louder playback calls are often initiated if no clear response is heard.

- 3. transect and incidental scat collection and identification; results of predator and [remaining unidentified non-predator scat analysis provided by B. Triggs [results not yet available].
- 4. track identification on sandy or soft soil sections of roads, tracks and creeks.
- 5. extended listening time for calls, variable sample length dependent on conditions, targeting all playback target species listed above.
- 6. harp trapping and sonar detection for bat species.
- 7. frog surveys creek transects, habitat searches, and call playback / recording.
- 8. search for all other features listed in the Threatened Species Protocol Survey Design while applying the above flora and fauna surveys, this will be supplemented by the SFO while marking-up and supervising harvesting operations.
- 9. hair-tube sampling no hair-tube sampling was undertaken on this survey, thus there was potentially under sampling for a number of CWR vertebrate species, eg Tiger Quoll, Rufous Bettong, Long-nosed Potaroo. Conservation Protocols should be applied for these species, to ameliorate potential impacts of proposed operations.

### Results of Flora Surveys: including target species are:

1. Arthraxon hispidus - Sch.2, not recorded on this survey, but there are records for this species from the area of Glen Elgin [AMG 423004 6723001 AGIS SIGPLANTS]. Suitable habitat (rainforest, eucalypt forest, and eucalypt woodland) exists within the area. Application of the Conservation Protocol during mark-up phases and supervision stages should assist this species.

## Results of Fauna Surveys: including target species surveys are:

- 1. Glossy Black Cockatoo [Calyptorhynchus lathami] Sch.2, not recorded on this survey, but there are records for this species from the area of the Cooraldooral Trig Point [AMG 422400 6717400, FPE Environment database]. Surveys for this species are still being conducted. This species is likely to be present in all forest types and associations where Allocasuarina torulosa is present. Application of the Conservation Protocol and retention of potential feed trees and nest sites, located during the mark-up phase, should assist this species.
- 2. Powerful Owl [Ninox strenua] Sch.2, this species was recorded as being seen and heard calling in Compartments 68 (4 March 1998), 66 (10-11 March 1998). There is a record for this species from the area [AMG 420300 6711580]. Playback and listening were conducted for this species over the whole of the survey period, with one record from a playback response in Compartment 68 e and three records from playback responses in Compartment. 66, and another unprompted calling in Compartment 66, and a playback response from nearby Compartment 67 was also detected [see attached maps]. Application of the Conservation Protocol during mark-up phase and supervision stages of operations should assist this species.

Greater Gliders were detected, in Compartment 66, with an abundance greater than one per hectare within two kilometres of a Powerful Owl record. This occurred within an area adjoining Oakey Road [approximating AMG

Northern Rivers Region - Threatened Species Pre-logging and Pre-roading Survey 422450 6716300 and 423070 6715550]. The SFO should be aware that eight habitat trees per hectare should be retained within the net logging area.

- 3. Masked Owl [Tyto novaehollandiae] Sch.2, not detected on this survey, but there is a previous record for this species from the area [AMG 420400 6723300 GLEEIS91; NP-Atlas]. Suitable habitat for this species occurs throughout the drier forest types with a more open understorey [the grassy woodland areas]. The species is likely to be present in the general survey area. Application of the Conservation Protocol during mark-up phase and supervision stages of operations should assist this species.
- 4. Sooty Owl [Tyto tenebricosa] Sch. 2, this species was detected as being seen and heard in Compartments 68 (5 and 10 March 1998), and 66 (11 March 1998). Playback and listening were conducted for this species over the whole of the survey period, with one unprompted calling and three playback responses in Compartment 68, and two records from playback responses in Compartment 66; one playback response from nearby Compartment 65 was also detected [see maps]. The number of records from Compartment. 68 would suggest a home range/base in this compartment. There are no previous records from this area. Application of the Conservation Protocol during mark-up phase and supervision stages of operations should assist this species.
- 5. Grey Falcon [Falco hypoleucos] Sch.2, not recorded on this survey, but there are previous records for this species from eight local areas [AMGs 422200 6727300, 420400 6723300, 420100 6724900, 421400 6727400, 426400 6722200, 423600 6721600, 421600 6725700, 420800 6726100, see FPE Environmental database Ref GLEEIS91; NP-Atlas]. Surveys for this species are still being conducted. The species prefers as suitable habitat open woodland with scattered tall trees for perching or nesting sites. This habitat is restricted within the area and the records are suspect without confirmation. A similar species, the Grey Goshawk [Accipiter novaehollandiae] is to be expected locally, there is often misidentification between these two species. Further information regarding this species presence and correct identification is suggested.
- 6. Rufous Scrub-bird [Atrichornis rufescens] Sch.2, not recorded on this survey, but there are previous records for the species from the areas of Compartments 38 and 150 [AMG 420800 6716580, 422500 6723500, NP-Atlas]. Surveys for this species are still being conducted. This species is likely to be present in montane rainforest / wet sclerophyll ecotone with well developed ground cover. This habitat is subject to protection from logging activities. Application of the Conservation Protocol and territories located during the mark-up phase should assist this species.

7. Tiger Quoll [Dasyurus maculatus] - Sch.2, not recorded on this survey, but there are previous records for the species from the area [AMG 423300 6715100, 422400 6717400, 423200 6716200, 422600 6716200, NP-Atlas]. Surveys for this species are still being conducted. Searches of suitable rocky areas for latrine sites or den areas were integrated into the general flora and flora surveys, and target species surveys. Searches will be supplemented by SFO habitat and 'fauna features' searches during mark-up stage of operations. Given the known occurrence of this species in the general area, the SFO should be aware of the possible presence of latrine and den sites in the area.

- DOVE TARKETE SCATTCH ?
- 8. Yellow-bellied Glider [Petaurus australis] Sch. 2, this species was recorded once responding to a taped call playback in Compartment 68 (5 March 1998). Suitable habitat exists within the surveyed areas. Application of the Conservation Protocol (looking for V-shaped notch and other incisions) during mark-up and supervision stages of operations should assist this species.
- 9. Parma Wallaby [Macropus parma] Sch.2, not recorded during this survey, but there are previous records for this species from the area [AMG 420200 6721800, 421500 6720500, 423600 6721600, 423300 6715100, 422600 6716200, 423200 6716200, NEFBS / IAP maps and NP-Atlas]. Suitable habitat (wet sclerophyll forest and rainforest patches in moist sclerophyll forest, with a moist shrubby understorey, often associated with grassy areas. Favours open / closed forest ecotones) exists within the survey area. Application of the Conservation Protocol during mark-up and supervision stages of operations should assist this species.
- 10. Golden-tipped Bat [Kerivoula papuensis] Sch.2, recorded once during this survey by Harp Trapping in Compartment 66 (10 March 1998). Suitable habitat, rainforest, wet sclerophyll forest with rainforest understorey, wet and dry sclerophyll forests adjacent to rainforest, exists within the area (see Douglas / Harvey diary notes dated 10-03-1998). Application of the Conservation Protocol during the mark-up phase and supervision stages of operations should assist this species.

11. Philoria sp. - Sch.2, not recorded during this survey but there is a previous record for this species from the area [AMG 423600 6721600 NEFBS/IAP]. Suitable habitat (rainforest and wet sclerophyll at mid to high altitudes) exists within the survey area. Application of the Conservation Protocol during mark-up and supervision stages of operation should assist this species. NO SPECIFIC SARVEYS WETT DONE FOR THIS SPECIES (TO CREEKS Were SPATCHED)

## Pre-harvest flora surveys, cpts 66, 68, Gibraltar Range SF

Traverse surveys for threatened flora were conducted in accordance with the Survey Protocol on 2-3 March 1998. In addition, an earlier survey was conducted in cpt 68 with Glen Innes District staff on 10 Sept 1997. Field data sheets for these traverses are attached. In summary, including the earlier traverse for cpt 68:

#### Cpt 66

Approx. net harvest area: 170 ha
Total length of traverse routes: 4.6 km
Traverse length per 200 ha: 5.4 km
Total net duration of traverse survey: 6.5 hours
Survey duration per 200 ha: 7.7 hrs

#### Cpt 68

Approx. net harvest area: 270 ha
Total length of traverse routes: 7.25 km
Traverse length per 200 ha: 5.4 km
Total net duration of traverse survey: 12 hours
Survey duration per 200 ha: 8.9 hrs

No threatened flora species or unusual flora habitat features were detected during these surveys.

Both compartments are floristically relatively homogeneous. Forest type 163 is mostly dominated by E. campanulata with E. laevopinea, E. cameronii and E. obliqua. Forest type 47 is dominated by E. saligna with E. microcorys and Lophostemon confertus. Most of cpt 66 and moister slopes in cpt 68 have a dense tall shrub and vine understorey, variously dominated by Cryptocarya rigida, Synoum glandulosum, Elaeocarpus reticulatus, Palmeria scandens, Trimenia moorei, Rubus nebulosus, Cissus hypoglauca and C. antarctica. Very dense vine thickets of the last five species are common. Ridges and drier slopes in cpt 68 have an understorey generally dominated by Acacia falciformis. This is mainly dense regrowth from a fire about 10-20 years ago. Partial floristic lists for each compartment are attached.

Doug Binns Flora Ecologist 4 March 1998

# Partial floristic list, compartments 66, 68, Gibraltar Range SF, 2-3 March 1998 Abundance subjectively assessed, coded as VC=very common, C=common, O=occasional, R=rare

	cpt 66	ont 60
Acacia falciformis	C	cpt 68 VC
Acacia floribunda		ŏ
Acacia irrorata	С	ŏ
Acacia melanoxylon	Č	ŏ
Acacia obtusifolia	Ō	VC
Allocasuarina littoralis		Ċ
Allocasuarina torulosa	- C	Č
Amperea xiphoclada	•	ŏ
Aneilema acuminatum	0	ŏ
Aphanopetalum resinosum	C	R
Archirhodomyrtus beckleri	Ċ	ô
Aristotelia australasica	Ô	ŏ
Asplenium australasicum	R	Ř
Banksia integrifolia	R	R
Billardiera scandens	С	Ĉ
Blechnum cartilagineum	С	č
Bossiea neo-anglica	•	Ö
Breynia oblongifolia	0 .	Ō
Caldeluvia paniculosa	С	C
Callistemon salignus	0	Ō
Calochlaena dubia	C	C
Cassytha pubescens	0	R
Cephalaralia cephalobotrys	0	O
Cissus antarctica	VC	C
Cissus hypoglauca	VC	С
Clematis aristata	Ο,	0
Clematis glycinoides	0 .	0
Clerodendrum tomentosum	R	R
Correa reflexa	R	0
Corybas aconitiflorus	0	0
Cryptocarya rigida	VC	VC
Cyathea australis	С	С
Dampiera purpurea	0	С
Daphnandra species A	0	0
Denhamia celastroides	0	0
Dianella caerulea	0	C C
Dioscorea transversa,	С	
Dodonaea megazyga	-	R
Duboisia myoporoides	0	0
Dysoxylum fraserianum Ehretia acuminata	0	R
	R	-
Elaeocarpus reticulatus	vc	VC
Emmenosperma alphitonioides Endiandra sieberi	R	-
Entolasia stricta	C	0
Eucalyptus cameronii	С	VC
Eucalyptus campanulata	C	С
Eucalyptus laevopinea	VC	VC
Eucalyptus microcorys	vc	С
Eucalyptus notabilis	С	0
Eucalyptus obliqua		0
Eucalyptus saligna	C	0
Eupomatia laurina	C VC	0
Eustrephus latifolius		С
Gahnia melanocarpa	C C	C
Gahnia sieberjana	0	0
Galium binifolium	U	C
Canada Omnondin	-	0

	Gonocarpus oreophilus	0	0			
	Gonocarpus tetragynus	R	0			
	Goodenia fordiana	K	0			
	Goodia lotifolia	-	R			
		R	R			
	Gymnostachys anceps	0	0			
	Hakea eriantha	-	Č			
	Hedycarya angustifolia	0	Ř			
	Hibbertia aspera	ŏ				
	Hibbertia dentata		vc			
•	Hibbertia scandens	C	С			
		С	С			
	Histiopteris incisa	R	-			
	Hovea species A	-	0			
	Hydrocotyle pedicellosa	0	Ō			
	Kennedia rubicunda	0	Ö			
	Lastreopsis microsora	č		•		
	Lepidosperma filiforme	C	C			
	Lepidosperma laterale	-	0			
	T onto a new way and the	0	С			
	Leptospermum petersonii	-	0			
	Leptospermum polygalifolium	-	С			
	Leptospermum trinervium	-	Č			
	Leucopogon lanceolatus	0	Č ·			
	Litsea reticulata	Ö	ŏ			
	Lobelia trigonocaulis	ŏ	0			
•	Lomandra longifolia		0			
		0	С			•
	Lomandra spicata	С	0			
	Lomatia silaifolia	0	С			
,	Lophostemon confertus	0	0			
	Marsdenia rostrata	С	R			
	Melicope micrococca	Ċ	Ř			
	Microlaena stipoides	Õ				
	Microsorum scandens		Č			
		0	R			
	Monotoca scoparia	• =	0			
	Morinda jasminoides	VC	С			
	Notelaea species A	0	R			
	Ozothamnus rufescens	С	0			
	Palmeria scandens	VC	Č			
	Pandorea pandorana	Ċ	ŏ			
	Parsonsia straminea	ŏ				•
	Patersonia glabrata	U	0			
	Persoonia oleoides	-	С			
	Physical decordes	R	0		•	
	Phyllanthus gasstroemii	R	R			
•	Pimelea ligustrina subsp. ligustrina	0	R			
•	Platycerium bifurcatum	R	R	•		
	Poa sieberiana	0	Õ			
	Polyosma cunninghamii	Õ	ŏ			
	Polyscias sambucifolia	ŏ	0			
	Pomaderris lanigera		C C C			
	Pruchatria lanigera	R	Č			
	Psychotria loniceroides	VC	С			
	Pteridium esculentum	0	С			
	Pterostylis hispidula	R	0 C			
	Pultenaea juniperina var. mucronata	R	C			
	Pyrrosia rupestris	0	Ö			
•	Rapanea variabilis	ŏ	ŏ			
	Rubus hillii	Ö				
	Rubus nebulosus		0 C C			
		VC	С			
	Schizomeria ovata	С	С			
	Senecio amygdalifolius	0	0			
	Sloanea woollsii	0	R			
, .	Smilax australis	Ċ	R C			
	Smilax glyciphylla	ŏ	č			•
	Solanum densivestitum	ŏ	0			
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Solanum punge	tium R	n	
Sticherus lobatu	is R	R VC	
Synoum glandu		vc vc	
Tasmannia insi	pida C	o o	
Trimenia moore	ei VC	Č	
Trochocarpa las		Č	
Tylophora pani	culata R	õ	
Viola hederacea	0	Õ	
Xanthorrhoea n	nalacophylla C	Č	
Zieria smithii	· o	Õ	
Zieria species K	Ö	Č	
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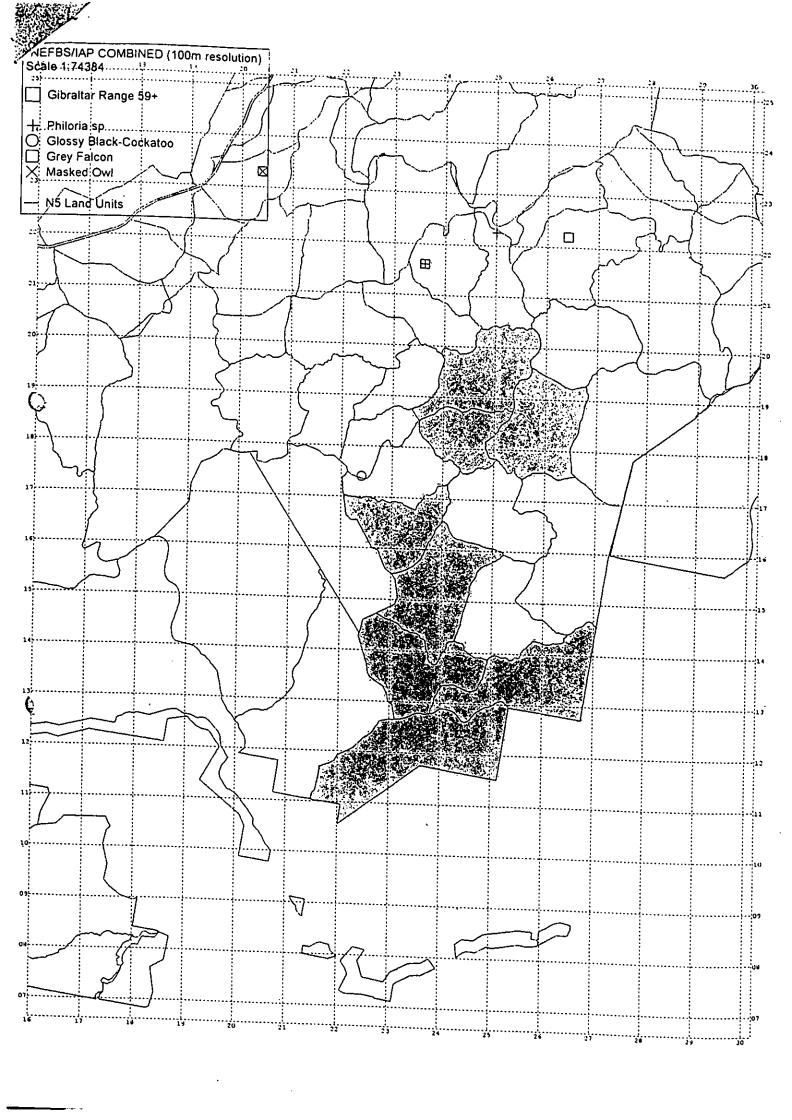
Schedule 1 and 2 Plants search Gibraltar Range State Forest compartment 59, 60, 61, 66, 68, 71, 72 and 73 + 5km

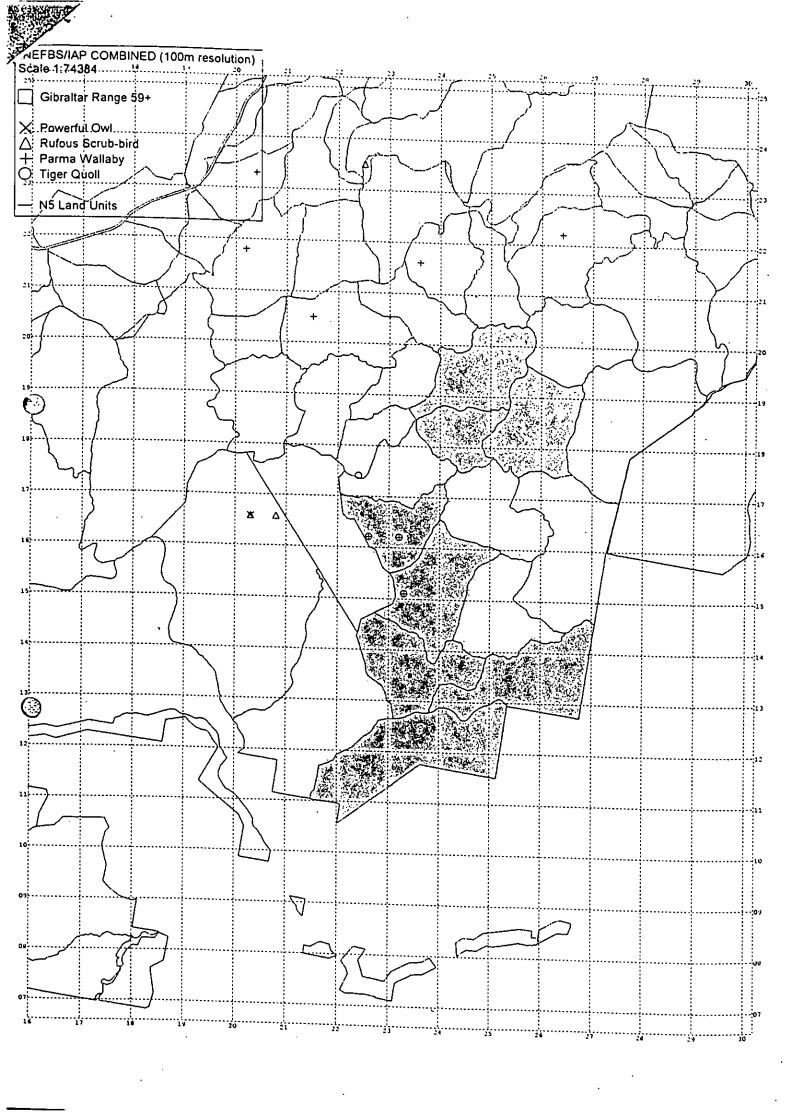




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REC	i asoc		SITE	ľ	L	'								SCIENTIFIC NAME	losi lua	SURVEY	MOTES	STATUS	CATEGORY	ION
MUI	MBER	DATABASE	NUMBER	LOCATION	RESERVE NAME	EASTING	NORTHING	ACCIN	TAME	FIRST DATE					INCE INC	JOHTE	MOILS	 214		Unrestricted
100	714	AGIS SIGPLANTS	BOTIA	GLEN ELGIN (NEAR GLEN INNES)	Glan Innes District	423004	6723001	3 9	338	26 MAR 1930		White-Hanay, J.	4776	Arthraxon hispidus				24	-14	
				GLEN ELGIN (NEAR GLEN INNES)	Gian innes District	423004	6723001	1 0	338	27 FEB 1930		White-Haney, J.	4776	Arthraxon hispidus				27	1,(3VC→),8S	Unrestricted
RO	1509	AGIS SIGPLANTS	HU114		Gian irries Disinu	123001	0/23001	, ,	,,,,,,	27 1 25 1330		***********	*****							
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# Fauna Data - All Sightings (FORESTID = 352)

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**AMG Coordinates** 

Source Ref	Ī	2	one Eas	iting Northi	ng Fo	rest C	pt. Recorder Nam	e Scientific Name	Common Name	Location	Туј	pe Distr Ref. Date	Valid
GLEEIS91	6939-B	5	6 42220	0 6727300	352		SMITH, Dr Andrew	Falco hypoleucos	Grey Falcon			21/09/199	91
GLEEIS91	8078-8	5	6 42040	0 6723300	. 352		SMITH, Dr Andrew	Falco hypoteucos	Grey Falcon		Ō	21/09/199	
GLEEIS91	6852-B	5	6 420100	0 6724900	352		SMITH, Dr Andrew	Falco hypoleucos	Grey Falcon	-	0	21/09/199	31
GLEEIS91	8048-8	5	6 421400	6727400	352		SMITH, Dr Andrew	Falco hypoleucos	Grey Falcon .		0	21/09/199	91
GLEEIS91	7075-B	5	6 .426400	6722200	352		SMITH, Dr Andrew	Falco hypoleucos	Grey Falcon		0	22/09/199	91
GLEEIS91	7987	5	6 420400	6723300	352		SMITH, Dr Andrew	Tyto novaehollandlae	Masked Owl		0	20/09/199	)1
GLEEIS91	2094	5	6 423300	6715100	352		SMITH, Dr Andrew	Dasyurus maculatus	Tiger Quoti		P	24/09/199	11
GLEEIS91	6992-8	5	6 423600	6721600	352		SMITH, Dr Andrew	Falco hypoleucos	Grey Falcon		0	21/09/199	11
GLEEIS91	6967 <b>-</b> 8	5	6 421600	6725700	352		SMITH, Dr Andrew	Falco hypoteucos	Grey Falcon		0	21/09/199	1
GLEEIS91	. 6883-8	5	6 420800	6726100	352		SMITH, Dr Andrew	Falco hypoleucos	Grey Falcon		0	21/09/199	1
Сотра	artment ID			Total		10	0						
NP-ATLAS	11465-AGIS	50	421100	6725900	352	13	Unknown or Unrecorde	ed Dasyurus maculatus	Tiger Quell	Gwydir Highway.	0	05/07/1993	3 F
Сопра	rtment ID 13			Total			1						
SF-FNINCID	1420853	56	416700	6719500	352	150	MOFFATT, Darren	Hieraaetus morphnoides	Little Eagle	Frog Hollow Lookout.	0	GLENDETIN 24/05/1998	3 F
Compa	rtment ID 150			Total		1	1 ·	*					
NP-ATLAS	SPXEI0026098	56	420300	6716580	352	152	Unknown or Unrecords	d Ninox strenua	Powerful Owl	2.3km South/East along Overlook Rd, from its junction with	Bark O	09/11/1994	F
NP-ATLAS	SPXEI0032491	56			352	152	Unknown or Unrecorde		Rufous Scrub-bird	2.3km South/East along Overlook Rd, from its junction with		08/11/1994	
NP-ATLAS	SPXEI0028875	56			352	152	Unknown or Unrecorde		Rufous Scrub-bird	2.3km South/East along Overlook Rd, from its junction with		08/11/1994	
Compa	rtment ID 152			Total		3	}						•
NP-ATLAS	SPXEI0112067	56	420400	6723300	352	22	Unknown or Unrecorde	d Tyto novaehollandiae	Masked Owl	State Forest EIS Survey Site	0	20/09/1991	F
NP-ATLAS	SPXEI0113494	56		6723300	352	22	Unknown or Unrecorde	•	Grey Falcon	State Forest EIS Survey Site	ō	21/09/1991	
	rtment ID 22			Total		2		····	·	,			<del></del>
NP-ATLAS	SPXEX0113644	56	421600	6725700	352	24	Unknown or Unrecorded	d Falco hypoleucos	Grey Falcon	State Forest EIS Survey Site	0	21/09/1991	F
	tment ID 24			Total		1		<u> </u>					
NP-ATLAS	SPXEI0113669	56	422200	6727300	352	26	Unknown or Unrecorded	1 Folon hymologymus	Grey Falcon	State Forest EIS Survey Site	•	2100/1001	F
			- 422200		332		OINDAIL O CITECOLOR	T Facto Hypoleucus	GIOY PERCON	State Forest Els Survey Site	0	21/09/1991	<del></del>
•	tment ID 26			Total		1							
SF-FNINCID	1420870		427400	6724100	352	38	MOFFATT, Darren	Petrogale peniciliata	Brush-tailed Rock-wallaby	Cooraldooral Trig Pt.	P	GLENDETIN 29/05/1996	F
SF-FNINCID	1420871	56	425500	6722700	352	38	MOFFATT, Daπen	Calyptorhynchus lathami	Glossy Black-Cockatoo	Cooraldooral Ftrl, 1.5km SW of Cooraldooral Trig Pt Trl.	<u> </u>	GLENDETIN 29/05/1996	F
Compart	tment ID 38			Total		2							
SF-FNINCID	1420867	56	422800	6723500	352	40	MOFFATT, Darren	Cinclosoma punctatum	Spotted Quali-thrush	Poregrine Pt Trl, 200m S of Peregrine Pt.	0	GLENDETIN 28/05/1996	F
SF-FNINCID	1420869	56	422700	6723700	352	40	MOFFATT, Darren	Petrogale penicillata	Brush-tailed Rock-wallaby	Peregrine PL	P	GLENDETIN 28/05/1996	F
IP-ATLAS	WD1035	56	422500	6723500	352	40	Unknown or Unrecorded	Atrichomis rufescens	Rufous Scrub-bird	MN225235	0	01/01/1980	F
F-FNINCID	1420868	56	422700	6723700	352	40	MOFFATT, Darren	Petauroides volans	Greater Glider	Peregrine Pt.	0	GLENDETIN 28/05/1996	F
Compart	ment ID 40			Total		4							
NP-ATLAS	SPXEI0135369	56	420200	6721800	352	43	Unknown or Unrecorded	Macropus parma	Parma Wallaby	GIBRALTAR RANGE	0	11/01/1974	F
Comparti	ment ID 43			Total		1							
NP-ATLAS	SPXEI0135377	56	421500	6720500	352	46	Unknown or Unrecorded	Macropus parma	Parma Wallaby	GIBRALTAR RANGE	0	10/01/1974	F



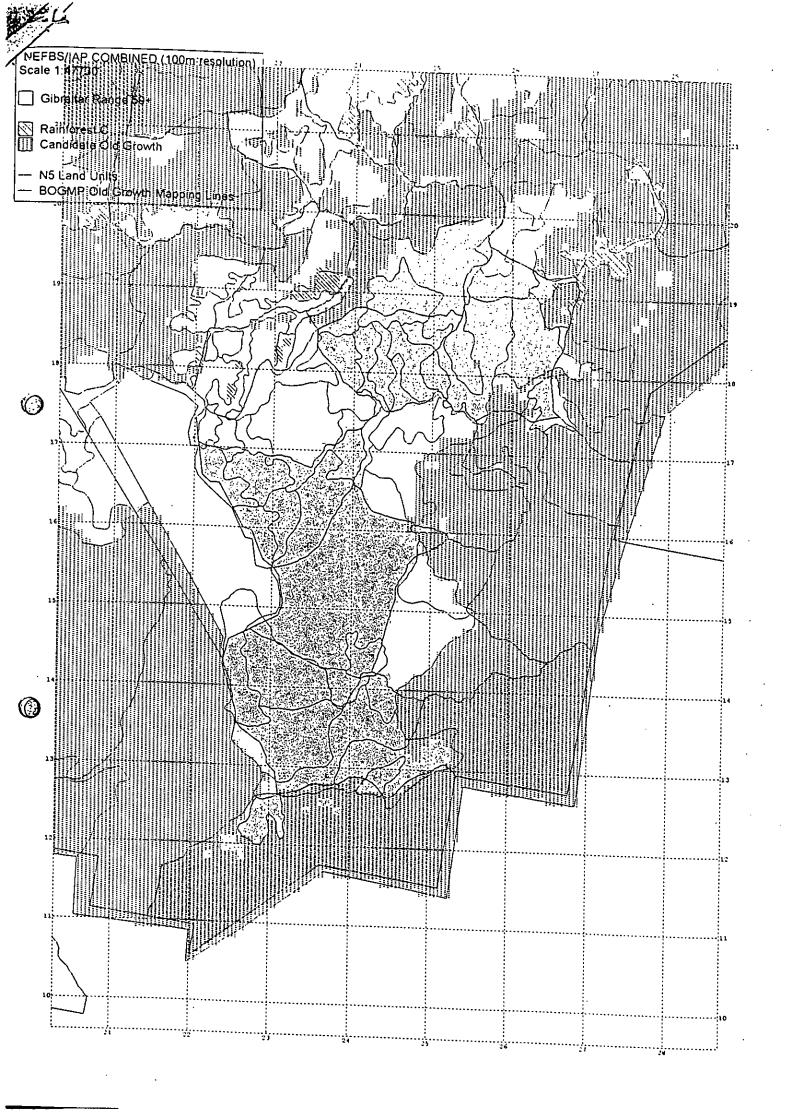
# Fauna Data - All Sightings (FORESTID = 352)

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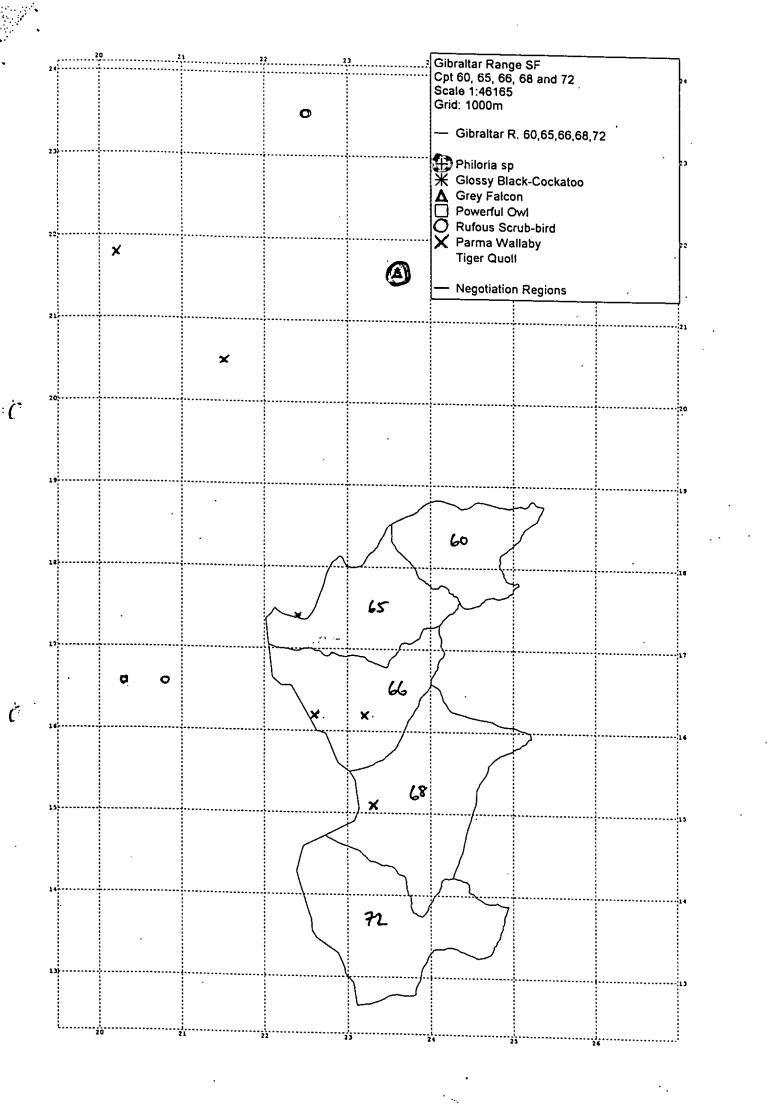
#### **AMG Coordinates**

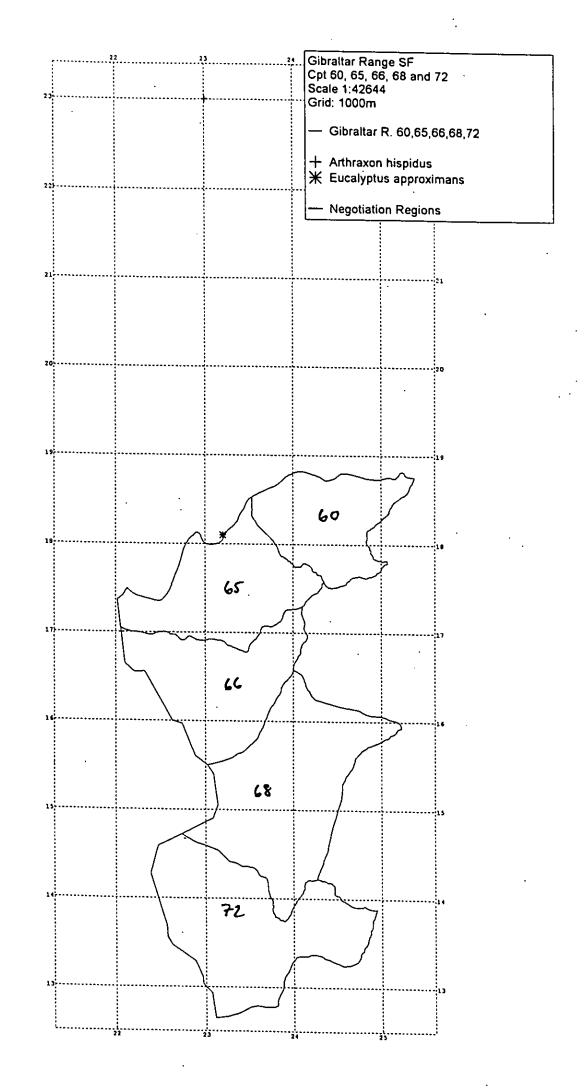
Source Ref		Zo	one Easti	ing Northir	<sup>ng</sup> For	est Cp	t. Recorder Name Scientific Name	Common Name	Location	Type Distr Ref	l. Date	Valid
Сотра	artment ID 46			Total		1						
NP-ATLAS	SPXEI0113927	56	423600	6721600	352	48	Unknown or Unrecorded Falco hypoleucos	Grey Falcon	State Forest EIS Survey Site	0	21/09/1991	F
Compa NP-ATLAS	ortment ID 48 SPXEXX114149	56	426400	Total 6722200	352	1 50	Unknown or Unrecorded Falco hypoleucos	Grey Falcon	State Forest EIS Survey Site	o	22/09/1991	F
Compa NP-ATLAS	ortment ID 50 SPXEI0112242	56	423300	Total 6715100	352	1 68	Unknown or Unrecorded Dasyurus maculatus	Tiger Quell	State Forest EIS Survey Site	P	24/09/1991	F
Compa	rtment ID 50			Total		1				•		
Forest	ID 352			Total		30	)					
Manage	ement Area 22			Total		30					_	
District	12			Total		30						

--- End Of Report ---



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RECORD NUMBE	SOURCE R DATABASE	SITE HUMBER	LOCATION	RESERVE NAME	EASTING	NORTHING A	CC ALT	MAP No F	IRST DATE	LAST DATE	RECORDER	CAV	S EISPECIES NAME	AF	OBS		LEGAL STATUS	NOTES	DATASET NAME	DATA USE RESTRICTION
9581-AGIS	LICENSE	5140-AGIS	Forestry Commission Glen Innes Management Area Fauna Site 8	Gibraitar Range SF	425000					27 NOV 1991			Philoria sp	4	-11	<u>- 1</u>	2V		LICENSE License id 5-NNF	
9580-AGIS	UCEKSE	5139-AGIS	Forestry Commission Glen Innes Management Area Fauna Site 6 Forestry Commission Glen Innes	Gibraliar Range SF	423600	6721600 3		9338 20	0 SEP 1991	27 NOV 1991	Smith, A.	9008	Philoria sp	4			2V		LICENSE License id 5-NNF	A Urvestricted
	LICENSE 47 STATE FOREST		Management Area Fauna Sile 33	Gibratar Range SF	422400 420400	6717400 3 6723300 3				27 NOV 1991 22 Sep 1991	Smith, A. Dr Andrew Smith		Glossy Black-Cockalo Grey Falcon	4	0	1	2V 2V	Bird Census	LICENSE License id 5-NNF	R Unrestricted Unrestricted
	54 STATE FOREST: 55 STATE FOREST:				423600	6721600 3		21	1 SEP 1991	22 Sep 1991	<b>Dr Andrew Smith</b>	0236	Grey Falcon	4	ŏ		2V	Bird Census		Urvestrated
	27 STATE FOREST				428400	6722200 1				22 Sop 1991	Dr Andrew Smith			4	0		27	Bird Census		Unrestricted
	O STATE FORESTS				420400 420400	6723300 3 6723300 3			SEP 1991 SEP 1991		Dr Andrew Smith Dr Andrew Smith			5	0		2V	Transect Spotlighting		Urvestricted
					420400	6/23300 3		~	SEP IVVI		Or Andrew Smith	0250	Masked Owl	5	0	1	ZV	Transact Spottighting NEFBS.FAUNA Application site id.		Unrestricted
119737-NEFBS	SITE.SPOT	15069-NEF8	2.3km South/East along Overbook Rd, from its junction with Bark Hut Rd.	Gibratar Range SF	420300	6716580 2	- 1105	9338 09	NOV 1994	09 NOV 1994	Scotts, D.J.	0248	Powartal Owl	4	0	•	2V .	VALOG.2; survey method + Walk spotlighting. NEFBS,FAUNA Application site id.	NPAC Upper North East Fauna Project Surveys	Unvestricted
****			2.3km South/East along Overlook Rd,															VAL06.2 ; survey method = Bird	NRAC Upper North East	
22349-NEFBS	BIRD,COUNT	15069-NEFBS	from its junction with Bark Hut Rd,	Gibratar Range SF	420300	6716580 2	1105	9338 06	NOV 1994	08 NOV 1994	Dobus, S.	0355	Rufous Scrub-bird	4	W	1	27	census.	Faurus Project Surveys	Unvestricted
			2.3km South/East along Overtook Rd.									~						NEFBS.FAUNA Application site id, VAL06.2 ; survey method = Bird	NRAC Upper North East	
224 <del>60 N</del> EFBS	BIRD,COUNT	15069-NEFBS	from its junction with Bark Hut Rd.	Gibratar Range SF	420300	6716580 2	1105 9	9338 08	NOV 1994	X8 NOV 1994	Debus, S.	0355	Rulous Scrub-bird	•	w	1		census. NEFBS.FAUNA Application site id.	Fauna Project Surveys	Unvestricted
25641-NEFBS	OP.SITE	15000 15500	2.3km South/East along Overlook Rd,					· ·			_							VAL06.2 ; survey method =	NRAC Upper North East	
23041-REPBS VD1035	WDATAGIS	WD5344	from its junction with Bark Hut Rd, MN225235	Gératar Range SF Gératar Range SF	420300 422500	6716580 2 6723500 3				I NOV 1994			Rufous Scrub-bird	4	_			Opportunistic records at sates,	Fauna Project Surveys	Unrestricted
	WEATHER	1103000	200	Guranar range or	422300	6/23500 1	٠	#338 U1 .	JAM 1980 3	1 DEC 1980	Holmes, G.	0355	Rulous Scrub-bird	5	0		2V		LICENSE License id 10-	Unrestricted
697-NINFR		700-NMFR	Overlook Road,	Gibratar Range NP	420800	6716580 2	1105 9	7338 07 1	NOV 1994 C	7 NOV 1994	SCOTTS, D.	0355	Rufous Scrub-bird	4		ı	2V		NNFR	Unrestricted
969-NR	WDATAGIS	1641-NA	GIBRALTAR RANGE	Gibratar Range SF	420200	6721800 2				1 JAN 1974		1245	Parma Wallaby	1			2V			Urvestricted
970-NR	WDATAGIS	1640-NR	GIBRALTAR RANGE Forestry Commission Glen Innes	Gibrailar Range SF	421500	6720500 2	1140 9	7338 10.	JAN 1974 B	0 JAN 1974	Maynes, G.	1245	Parma Wallaby	1			2V			Unrestricted
565-AGIS	LICENSE	5141-AGIS	Management Area Fauna Sas 9	Gibratar Range SF	426400	6722200 3	9	333. 20 5	SEP 1001 2	7 NOV 1991	Smith &	1745	Parma Wallaby				2V		LICENSE License id 5-NNFR	
			Forestry Commission Glen Innes							, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	J. 102.11, 172	1643	- milital state of	•		•	24		LICENSE LEGISS IS S-NINFR	CHASEUCISC
664-AGIS	LICENSE		Management Area Fauna Ste 6	Gibraitar Range SF	423600	6721600 3	9:	338 20 5	SEP 1091 2	7 NOV 1991 :	Smìth, A.	1245	Parma Wallaby	4		:	2V		LICENSE License id 5-NNFR	Unrestricted
69-AGIS	LICENSE		Forestry Commission Glen Innes Management Area Faura Ste 39	Gibratar Range SF	420400	6723300 3	~	***		7 NOV 1991 :										
			Forestry Commission Glen Innes	GENERAL PERSON OF	420400	872300 3		330 20 3	SEP 1881 Z	NOV 1981 :	oman, A.	1245	Parma Wallaby	4		2	žV		LICENSE License id 5-NNFR	Unrestricted
66-AGIS	LICENSE			Gibratar Range SF	423300	6715100 3	91	338 20 5	EP 1991 2	7 NOV 1991 S	imith, A,	1245 (	Parma Wallaby	4		2	.v		LICENSE License id 5-NNFR	Unrestricted
68-ACIS	LICENSE		Forestry Commission Glen Innes	0hh 0 65							•		•							
OF PALES	TWO DE		Management Area Fauna Site 35 Forestry Commission Glen Innes	Gibraitar Range SF	422600	8718200 3	93	338 20 5	EP 1991 2	NOV 1991 S	min A. I	1245 (	Parma Wallaby	4		2	V.		LICENSE License id 5-NNFR	Urvestricted
67-AGIS	UCENSE :			Gibraitar Range SF	423200	6716200 3	93	338 20 S	EP 1991 27	NOV 1991 S	imith. A. 1	245 6	Parma Waltaby	4		,	v		LICENSE License id S-NNFR I	Descripted
			Forestry Commission Glen Innes									·	<b>,</b>	•		•			CATHOR IN TARKET I	
51-AGIS	LICENSE !		Management Area Fauna Site 33 Forestry Commission Glen Innes	Gibratar Range SF	422400	6717400 3	93	X38 20 S	EP 1991 27	NOV 1991 5	mìth, A. 1	008 7	Figer Quoli	4		2	٧		LICENSE License id 5-NNFR (	Unrestricted
S3-AGIS	LICENSE S			Gibrallar Range SF	423200	6716200 3	93	38 20 5	FP 1991 27	NOV 1991 S	mith A 1	008 1	liner Qual			2			LIGHT STATE OF THE STATE OF	
			Forestry Commission Glen Innes				•		L- 1001 L	1521 0		I	17m - 2004	•		2	•		LICENSE License id 5-NNFR (	unvestincted
		1	Management Area Fauna See 36 ( Forestry Commission Glen Innex	Gibratar Range SF	422600	6716200 3	93:	38 20 5	EP 1991 27	NOV 1991 S	mith, A. 1	006 T	liger Quali	4		2	v		LICENSE License id 5-NNFR t	investricted
		166-AGIS I	Management Area Fauna Site 34			6715100 3	933			NOV 1991 S	mith, A. 1	008 T	lger Quof	•		21	v		LICENSE License id 5-NNFR t	Arrestricted
GLEEISPI-02090	STATE FORESTS				423300	6715100 3		24 51	EP 1991	D	r Andrew Smith 1	008 T	iger Quoli	P		21		abial search		Avestricted





## REPORT FOR GIBRALTAR RANGE STATE FOREST

TUESDAY 03-03-1998

Travelled to Casino and pick up Harp Traps, maps and details for Gibraltar Range SF. Travelled to compartments 66 & 68 and selected suitable Harp Trap sites in cpt 68 (limited sites available). Checked some other roads for spotlighting and selected a Call Playback Site (Site 1) on Dingo Creek Rd. During dusk listening time nothing was heard, started Playbacks. Results as follows:

PO - Only Sugar Glider calling.
 Koala - SG still calling

• MO - Nil • YBG - Nil

SO - Nil

A driving spotlighting transect was conducted from Site 1 to Playback Site 2 (1.3km). During the transect, 2 Greater Gliders and 1 Common Brushtail Possum were sighted. A Call Playback was then undertaken at Site 2 with the Nil results for PO, MO, SO, Koala and YBG. A large macropod was heard bounding around during the playbacks. A frog driving transect was conducted from Site 2 to Site 1 - nothing sighted. Travelled back to Glen Innes.

WEDNESDAY 04-03-1998

Travelled to Gibraltar Range SF. A scat transect was conducted by Kevin and Robyn along Dingo Ck Rd in compartment 68 for 1.5km. Two dog scats were found (1 with bone fragments & 1 soft and decayed too soft to pick up -no bone fragments), 1 Echidna scat and 1 Rattus scat (wet and soft). A Red-bellied black snake was sighted and Lyrebirds were heard calling. Fauna reporting and checking was then conducted.

Travelled to Gibraltar Range SF. Went to Playback Site 1 and commenced dusk listening time - Southern Boobook heard calling. Robyn started playbacks with the following results:

PO - Nil
 MO - Nil
 SO - Nil
 Koala - Nil
 YBG - Nil

Kevin conducted a walking spotlight transect around the some time as the Playback were undertaken. Along the transect, 6 Greater Gliders and 1 Common Ringtail were sighted - also 1 Sugar Glider, 1 Owlet Nightjar and 1 Boobook were heard calling. Robyn picked up Kevin at the end of the spotlighting transect after the Playback had been completed. Then travelled to Call Playback Site 3 - cpt 68 to do Playback. Met up with Noel while he was doing a walking spotlight and also met Nicole at Site 3 while she was doing an Anabat Sonar detection. Nick said she has not heard anything calling yet so the Playbacks were started. PO had a Nil response at first then during the MO playback a PO was heard at a distance. The playbacks were stopped and we listened for approximately 5 - 7 minutes. Two definite PO's were heard calling, possibly 3. The distance was approximately 1 km at 340° and 20°. The other Playback's (MO, SO, Koala and YBG) had a Nil response. Checked HT2 - nothing captured, and conducted a frog transect and listened for frogs along this creek - nothing heard.

NOTE: This is very good habitat for Mixophyes species. Good clean running water with lamandra along the creek banks, further survey effort will be made along this creek.

THURSDAY

05-03-1998

Checked HT2 - nothing captured. Took the Harp Trap down and will put it up at another location because there has not been any captures over the 2 survey nights. Completed a scat survey along Oakey Creek Road 1 dog scat (with bone fragments), 1 scat with hair (possibly dog) and 1 skull (probable Greater Glider) were found. Travelled back to Glen Innes where fauna reporting and checking were then conducted.

Storms were present around the area when we left town, a good storm has just passed through Gibraltar Range SF as water is still running down the roads. Put Harp Trap up on the road near Playback Site 2.

NOTE: Bats were hitting the ariel on the truck. The Playback for Site 2 was started (PO not played due to earlier record). The playback's (MO, SO, Koala and YBG) gave Nil responses. At the end of the Playback a YBG responded - Noel, Nicole, Robyn and Kevin all heard the call (very clear call). Five bats were caught in the Harp Trap (2 definite Vespadelus pumilus, 2 possible Chalinolobus morio and 1 possible Vespadelus darlingtoni). The release calls were not very good probably because of the thick bush surrounding the area (calls were a bit stressed). The Harp Trap was taken down because there is a large storm coming. After we left Playback Site 2, travelling towards Dingo Ck Rd, an Owl was sighted in the trees on the edge of the road. We all stopped and used the spotlight to make a positive ID. The Owl was positively ID by the 4 members of the fauna team to be a Sooty Owl (we were able to get a good look at the face). Travelled back to Glen Innes.

FRIDAY

<u>06</u>-03-1998

Finish fauna reporting and update map AMG references for the week's work. Also check data sheets and equipment. Travel to Casino where the vehicles were washed and the Harp Traps were put up to dry. Travelled home.

TUESDAY

10-03-1998

Travelled to Gibraltar Range SF - compartment 66. Selected Harp Trap site in Dingo Creek. This is a rain forest gully the creek has good clean water running in it. possibly good habitat for Kerivoula papuensis. Repeated Call Playback at Site 3 in cpt 68. The moon is very bright tonight. The playback's (MO, SO, YBG, Koala & SQG) gave Nil responses.

NOTE: Sooty Owl was only played for 1 minute at a lower volume because it was sighted last week. The call was played to see if we could get a response to the tape Three Greater Gliders were spotlighted at the Playback Site. travelled to cpt 66 and completed Playbacks (Site 4). The playback's (MO, SO, YBG, Koala & SQG) gave these results: 3 Boobooks calling, 1 Sugar Glider and 1 Powerful Owl calling. Noel called on the 2 way and said he could hear the PO calling also very close to where he and Nick are. At Site 5, cpt 66 Playbacks were completed (MO, SO, YBG, Koala & SQG) and gave these results: Boobooks calling, 1 Sugar Glider calling and Sooty Owl heard calling (distant call). The moon is very bright with a clear sky. The temperature is down to 14°C at approximately 10:00 pm. The survey night ends at 11:00 pm.

WEDNESDAY

<u>11-03-1998</u>

Travel to Gibraltar Range SF and conducted a 1.5 km scat survey in compartment 72.

Two lots of Macropod bones were found:

l complete skull

1 in dog scat

Fauna reporting and checking and travel back to Glen Innes.

Travel to Gibraltar Range SF and repeated Playback Site 5 with these results:

- PO calling after playbacks
- Boobook calling
- Greater Gliders sighted at Playback sites.

A 1.9km walking spotlight transect was conducted along Oakey Road in cpt 66:

- 2 Ringtails Possums were sighted
- 8 Greater Gliders were sighted
- 1 Pademelon were sighted
- 1 PO heard calling
- 1 Nightjar heard calling
- 1 Boobook heard calling

Playbacks were repeated at Site 4. Two Sooty Owls were heard calling before the start of the Playbacks -1 distant 700-800 m

> 1 closer 400-500 m

A PO called after the Masked Owl Playback - he was fairly close (distance approx. 300-400m), the call was very clear and lasted for about 8-10 minutes. Nil response to YBG, Koala and MO. Travelled to cpt 72, met Noel and Nicole at Playback Site 6. NOTE: It is a bit colder and there is a good breeze blowing at this site. Nil response to MO, YBG and Koala.

#### **THURSDAY**

Checked Harp Traps in Dingo Creek and then pulled them down and relocated them in cpt 72. A good site was found in Oakey Creek for one of the Harp Traps. The other trap was placed on a road near the cpt boundary of 72 & 73. Fauna reporting and checking.

Call Playback cpt 72, 71, 73 Site 6 repeated (MO, YBG & Koala - Nil response). During the walking spotlight (2.5km) 10 Greater Gliders were sighted. HT6 was checked with 1 Rhinolophus megaphyllus captured. Conducted a Call Playback at Site 7, this looks like good MO habitat however nil response to Playback. One Greater Glider was sighted at this Playback Site. Travelled to Playback Site 8 and played MO, YBG & Koala - Nil response. There is a PO calling. Noel and Nick reported it calling before HT6 was checked. Then travelled to Harp Trap 5 and pulled it down.

NOTE: After every Playback Site a very good spotlight of the site is done for Masked · Owl.

#### FRIDAY

13-03-1998

Fauna reporting and checking all data for cpt's 66 & 68. Travel to Casino to the office and hand in data sheets for 66 & 68. Data sheets for 71, 72 & 73 will be handed in next week because there is one more nights work to be completed. Wash vehicles and then travel home.

# NORTHERN RIVERS REGION WILDLIFE SURVEYS

Surveys Undertaken

SF: Gibraltar Range

Survey Type	Location / Cpt	Date	Time	Undertaken	Comments/
		<u>L</u>		By	Significant Results
Dusk Listering	Cp+68	3-3-98	7:45 pm	Horney	organicant Results
Call play backs (sit	i. '	3-3-98	8:2000	Herklots	
Spotlight (Drung		3-3-98	9.00em	Herklots.	2 × 66 (one v. while
Call play book (Site 2	•	3-3-98	9.30	Harrey	Bookfail possion
Freg Trans at (Dinin		3-3-98	10.30pm	Herklots	
Scat Transect	[ Cot. 68	4-3-98	8.00 Am	Horney. Herklots/	<del></del>
Check harp trap	Cpt. 68	4-3-98		Haney. Haney Herlob	
Call playback (sik 1)	_	4-3-98		Harrey Hertos	<del> </del>
Spotlight (walking)	cpt.68	4-3-98		Harrey Herkots	1 66
Call elay back (5iki) Checked Harptrap (2)		4-3-98		Harvey Harlet	6 × GG
Checked Harptrap (2) Frog transect	cpt.68	4.3.98	10.30 cm	Harvey/	2 PO's calling
Check barptrap (2)	•	5-3-98	₱ 7.30am	Harrey	
Sout transect	Cpt.66	5.3.98	8.00 Am	Harvey	Actator scat with
Habitat assessment	cd. 66	5.3.48		Harvey	bors Arguers ligher she
Call playback (REPORT	•	5.3.48		Herbolats Harvey/ Herbolats	YBG called
BURNES CONTRACTOR	<u> </u>	3.3.18	7.30 pm	Hertriots	
frog transect:	cpt. 68	5.3.498	9.30pm	Harrey/ Henriots	<u>.</u>
Horp-trap Road sample		5.3.198		Harrison Harrison Harrison	V. regulus V. pumulus
Call play back sport	cpt 68	10.3.98	8.00em	Howey	v. pamatas
Call play back (SHa4)	ept 66		7.35 pm	Herklots	
Callplay back (s. 165)	cpt 66	10.3.99	9.10 pm	Hecklets Hanvey	P.O. calling
Scat Transact	ept 72	10.3.98	10:00 pm	Herklots	S.O. colling.
Chark Hand	4772	11.3.98	8:00 am	Harrey	1 Lots of Banes
call play-back to	7	4-2-23		Herklots	1 small Dones
	1	11.3.99	7:45 pm	Harrey	P.O. calling
Walking spotlight	cpt 66	11.3.99	7:45 pm	Herklota Herklota	9 G-G 1 P.O.
Coll play back (Report)	cpt 66	<i>∀∙3·98</i>	9:00 pm	Harey Harkbar	250
Sallplay back (3/126)		11.3.98	10:00 pm	Harren	5.4.4.
Check Harptrape Do	cpt66	12.3.98	9:00 am	Harry	3.8444
Setup Harp Traps	cp+72=13	12.3.98	9:30 am	Douglas/	
allplay-back (Report)	Cpt 72	12.3.98	7:30 an	Harklots	
Location of surveys sh	C of 72	12.3.98	7:30 an	Harvey Harvey Harklots	10 Greater Gliders.

Location of surveys shown on attached maps.

Survey details in data sheets and reports.

The state of the s

# Casino District Reporting of Schedule 12 Fauna Sightings

# GIBRALTER RANGE S.F

		T	Type of	Species of Fauna			
Date	State	Cpt	Inspection	Sighted	Description of Fauna		General
1	Forest	No.	(*)	Signed	Sighted - eg adult,	AMG	Comments
198	-		'/		juvenile, breeding	Reference	(eg at log dump,
'		l			female, call only etc		road side, Forest
3.3	Gibralter	68	0 11 11	C 1 611			Type etc)
	C /	100	Boothabt	Greater Glider	Gay omnal	4235206	6715150N
11 -7	1	100	-	66	Sighted	4242306	67148804
4.3	Gibraller		Call back	Powerful out	Heard call (male)	424050 =	GILLICO
	/	67	/	Po	Heard call	424 000 =	6713 0 TO
4.3	/	68	spotlight	GG	Sighted	727 9006	6717050N
4.3	\ /	68	s/hahl	GG		423600€	6715150
4.3	<b>、</b>	68	12.0%	GG	Sighted	423650	6715150
4.3	. /	68	- /	GG		423 950	6714950
4.3	\ /	68			· / ·	424150	6714800
5.3	Gloraller		<del></del>	6G x2		424270	6714800
5.3	(240 to 1 fee		Heard call	<u>486</u>	Heard call	424420	6714850
304	mu		during playbod				21.180
	wa	×14					
5.3	\ \	68	Excidental Ativos	50	sighted	417 800	(2 0 2 -
<i>10</i> ·3.	Cobreller	68	3/light	G.G x3			6714970
10.3	• •	66	call de bak		Sighted	424 500	67/6 080
10.3.	u f	66	colldonback	So	Heard call	422.600	67/6 900
11.3	n ~	66			Heard call	412750	6717400.
		<u> </u>	S/light	.G.G	zighted	722450	6716250
<del>                                     </del>	<u> </u>	- r		GG x 2	sight ed	422 500	6716200
	•			GG		422 600	6716020
	-	•	•	66		422750	
				6-6-x3			6715920
11.3	Subotter	46	s/light	ρ.ο.		722 460	6715780
11 · 3	4	66	collplayback	P. O.		423100	6716 020
v 4		.,	" Prayoux		N		6716230
yl de		J		<u>\$0.</u>		422950	6716600
,,,	- / 11	<del></del> _+	<del></del>	S.O.		1	6716400
/2 . 3 . (	EipcaHac	72	Yalking 5/1mlt	· ·			6714200
	* 0	-		GG x 2	k ·		6714100
				GG			6713750
							0112130

### (\*) Type of Inspection

- 1. Night Time Surveys
- 2. Follow-up Clearance Inspection
- 3. Rejects Inspection
- 4. Regeneration Inspection
- 5. Road Line, Dump Sites Inspection

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Timber Assessment

- 7. Marking Boundaries, Filter Strips or
  - Conservation Areas
- 8. Reports from Log Faller
- 9. Head Disposal Burning
- 10. Harvesting Planning
- Other



## REPORT FOR GIBRALTAR RANGE STATE FOREST

TUESDAY 03-03-1998

Travel to Casino, collect 2 Harp Traps from the workshop. Travel to office and meet with Ken. Collect maps etc and copy data sheets for compartments 66, 68 Gibraltar Range SF, Glen Innes. Travel to Gibraltar Range SF and located sites for the two Harp Traps. Habitat seems suitable for Golden Tipped bats at Site 1 (see data sheets for site location details). Site 2 is located just 100m out of compartment 68 in Oakey Creek. This appears to be a good location also (good flyway along creek). Have tea at the Dingo Ck Rd intersection. A 2.3km driving spotlight and amphibian transect was then conducted from this site. Towards the beginning of the transect Nicolè caught a Litoria lesueuri. Within the 2.3km a total of 13 Greater Gliders (1 White phase) and 3 Common Ringtails were sighted and one Southern Boobook was heard calling (see data sheets for survey details). There has been earlier light showers in the area and there seems to be a bit of fog around. No Anabat sonar was done due to the recent light rain in the area, so this will be conducted tomorrow night.

WEDNESDAY 04-03-1998

Leave for Gibraltar Range SF. Arrive and check HT1 & HT2 - nothing captured (surprising even for Site 2). Then drove around compartment 68 to look for any other suitable Harp Trap sites, none were found. May pull down HT2 and relocate on a side fire trail - to be determined tomorrow. Arrive back at Dingo Road where Nicole checks data sheet AMG's from last night. Noel conducts a 1.3km walking scat transect. Only one scat was found along this transect although it is to be noted that there were a lot of small diggings along both sides of the firetrail that runs off Dingo Road (see data sheets and maps for details). Diggings are possible Bandicoot. Arrive back at Glen Innes and finish fauna reporting.

Leave for Gibraltar Range SF. Arrive and set up Anabat Sonar which will be conducted for 30 minutes on the boundary of compartments 68 & 72. There is Miniopterus schreibersii among the calls (see data sheet for species list). Travel to the end of last nights spotlighting transect. Noel repeats the transect on foot while Nicole conducts another Anabat Sonar for 30 minutes. Along the walking spotlight transect 5 Greater Gliders were sighted, 2 Owlet Nightjars and 1 Sugar Glider were heard calling. HT1 was checked during the transect with nothing caught. A 20 minute frogging transect was undertaken at this site due to the presence of good soaks and pools of water. Freshwater crayfish were present and only 1 frog was sighted but not able to be identified. Another driving spotlight was conducted for approximately 700m along Oakey Toad. Four Greater Gliders were sighted (One White phase). Survey night ends after spotlighting transect is finished. Travel to Glen Innes.







THURSDAY

Leave for Cibralia B 05-03-1998

Leave for Gibraltar Range SF. Arrive and check HT1 - nothing captured. Kevin & Robyn check HT2 - nothing captured either. At this stage the Harp Traps are pulled down and two new sites are located - one along Dingo Ck Rd and the other on a fire trail which runs off Dingo Ck Rd. These will be erected this afternoon. Looked around compartment 66 for suitable Harp Trap sites for next week, a side trail running off Oakey Road is opened up for access by Noel and Nicole, it runs approximately 700m into the compartment. A search was conducted at the end of this track for possible Harp Trap sites but none were found as the creek was not running. Then travelled along Dingo Ck Rd through compartment 68 to compartment 66. We reached a site where the creek crossed the road at which stage we stopped and searched the creek for possible Harp Trap sites. A site was located approx. 500m upstream from the road which looks like a good Golden Tipped bat site, so probably 2 Harp Traps will be located at this site. Return to Glen Innes and start fauna reporting, AMG checking etc...

Arrive at Gibraltar Range SF. Heavy rain has fallen in the late afternoon, one Harp Trap (HT3) is erected in compartment 68 where 5 bats were recorded (2 definite Vespadelus pumilus, 2 possible Chalinolobus morio and 1 possible Vespadelus darlingtoni). Release calls were taken, however, the calls were not that good. It was decided to pull down HT3 due to stormy conditions and more threatening rain. One frog was caught near HT1, it was caught and identified as Lechriodus fletcheri. Travelling from HT3, a Sooty Owl was identified by the fauna team. A frog transect was conducted in compartment 66 where one frog was caught which was identified as a juvenile Lechriodus fletcheri. It is decided to end the survey night here as more storms are threatening to the south. Return to Glen Innes and do more fauna reporting.

FRIDAY 06-03-1998

Finish fauna reporting and update map AMG references for the week's work. Also check data sheets and equipment. Travel to Casino - home.

TUESDAY 10-03-1998

Arrive at Gibraltar Range SF and erected a Harp Trap in Dingo Creek (site 4). This site is roughly 500m up Dingo Creek - good habitat for Kerivoula papuensis (stream is open to start with but then narrows a little, scrub wrens nests are also present). Another trap was put up about 400m outside compartment 66. There was no other suitable location other then the creek. A sonar site was located along Mile Ridge Road where a thirty minute detection was completed (see data sheets for details). A 1.9km walking transect was undertaken from Sonar Site C along Mile Ridge Road. During the transect, 3 Greater Gliders were sighted and a Boobook and Nightjar were heard calling. A possible Masked Owl was also heard (short burst). Another anabat sonar was set up near the North Eastern boundary of cpt 66 with more passes being recorded there. At this site a Powerful Owl was heard calling (at a bearing of 40°) which was also heard by Harvey & Herklots and recorded on their data sheets. Survey night ends at this site.

#### WEDNESDAY

<u>11-03-1998</u>

Arrive at Gibraltar Range SF and checked HT4 and the sample trap. There was one bat in the sample trap and three bats in HT4 - one of which was a Kerivoula papuensis. These bats were keyed out and will be let go tonight on dusk (see Harp Trap data sheets for species list). Compartment 72 was looked at for spotlighting transects tonight as well cpt 73 was looked at for possible Harp Trap sites. No suitable sites were found at this time. Travel back to Glen Innes and up dated fauna work from the previous nights survey.

Arrive Gibraltar Range SF and travel to compartment 66 and release bats caught last night (no release calls were conducted because the area was too cluttered). Travel to cpt 72 and set up an Anabat Sonar detection for 30 minutes. At this site, Nicole undertook a frogging-search with only one Litoria lesueuri captured and identified. The temperature is approximately 20° at this time. Nicole drops Noel off to start a 2.5km walking transect and continues on to do an Anabat Sonar on Mile Ridge Road. During the spotlight transect 3 Greater Gliders were sighted and 1 Boobook was heard calling and then sighted. Survey night ends after the spotlighting transect ends.

#### THURSDAY

12-03-1998

Noel and Kevin travel to Gibraltar Range SF and check Harp Traps. There was nothing captured in the sample Harp Trap, in HT4 there were three Chalinolobus morio (2 male and 1 female). Nicole is processing sonar files and completing fauna reporting at Glen Innes. The Harp Traps are pulled down and are erected in cpt 72. HT5-is-an excellent Golden-Tip site with good flyways and scrubby creek lines. This-Harp Trap is set up over a long body of water. HT6 is set up on a fire trail in cpt 72 (see data sheets for details). Leave for Glen Innes.



Arrive at Gibraltar Range SF and travel out to cpt 71/72. Set up an Anabat Sonar detection for 30 minutes, only a few calls were recorded here (see data sheets for details). A YBG was heard by Nicole while packing up the Anbat equipment. The temperature is around 23° at this time. HT6 was checked with 1 Nyctophilus sp and 1 Rhinolophus megaphyllus. Then travel to cpt 72 to check HT6. This site proves excellent as 32 bats are caught here. Seven of the bats are taken for identification and for released calls and the rest are let go. All the bats are identified as Vespadelus species, possibly Vespadelus darlingtoni - all are female (see data sheets for details). The numbers of bats captured may suggest a possible roost site nearby as these bats obviously would have flown in on dusk for water. From the seven bats, 3 good release calls were recorded. This Harp Trap is pulled down and will be put up in the same site next week. Survey night ends here.

#### FRIDAY

Fauna reporting in the morning, then travel to Casino. F.C.1798 is ready for a service. Vehicles are cleaned at the workshop and fauna reports for 66 & 68 are handed in to Ken McCray. Travel home.



## Gibraltar Range State Forest

## HARP TRAP CAPTURES

Site Number	Cpt	Species Recorded	Count
1	68	Nil	
2	68 / 72	Nil	
3	68	Vespadelus pumilus	2
4	66 ^	Kerivoula papuensis Vespadelus regulus Chalinolobus morio	1 2 4

Total 9

### Gibraltar Range State Forest

### SONAR RECORDINGS

Site Name	Cpt	Species Recorded	Count
A	68 / 72	Prob. Chalinolobus morio	8
	•	Prob. Scotorepens orion	2
		Prob. Vespadelus darlingtoni	8
		Prob. Vespadelus pumilus	2
В	68	Rhinolophus megaphyllus	1
		Prob. Scotorepens orion	1
		Prob. Vespadelus darlingtoni	3
C	68	Prob. Chalinolobus morio	1
		Prob. Vespadelus regulus	11
D	66	Prob. Vespadelus darlingtoni	9
Ë	72	Prob. Vespadelus darlingtoni	3
F	72	Prob. Rhinolophus megaphyllus	1
G	73	Prob. Scotorepens orion	2
		Prob. Vespadelus darlingtoni	3
			<u> </u>
		Total	55

TUESDAY 17-03-1998

Arrive in Casino and collect Harp Traps from the Workshop. Meet with Ken McCray to discuss the nest week's work at Brother State Forest and the one night at Gibraltar Range State Forest. Collect information and maps. Travel to Gibraltar Range SF, could not travel up part of Bark Hut Road as the road crew had been there during the day and fell suckers and small diameter trees on to the road. Approximately 1 hour was spent chainsawing to clear a path through (lack of communication at office level). Set Harp Trap up at Site 5 and Kevin and Robyn set one up at Site 6 (cpt 71, 72 & 73). The temperature was approximately 21 degrees. Heard a Sugar Glider calling at Site 5. A driving spotlight transect (600 m) was conducted into cpt 72 / 73 along a fire trail - 2 Greater Gliders was sighted. Checked Harp Trap 5 and one Litoria lesueuri-was captured and a short search and listen was undertaken. Survey night ends here.

WEDNESDAY

<u>18-03-1998</u>

Arrive at Gibraltar Range SF and check Harp Trap 5. Nothing was caught. A 1 km transect was undertaken in cpt 71, 72 & 73 for Tiger Quoll dens, Glossy Black Cockatoo feed trees and other activity. Nothing was located and a 2 km scat transect was undertaken back to the vehicle - one predator scat was found. This ends the Gibraltar Range SF fauna survey.

# Casino District Reporting of Schedule 12 Fauna Sightings

12.3.44 ) 1000 64.14.200 1	
Forest No. (*)    juvenile, breeding female, call only etc     3-3-98   Gibraltar   G8	General
	Comments
3-3-98 Gibraltar 68   Greater Glider   G1-15-250 N   G1-15	(eg at log dump,
11	road side, Forest
	Type etc)
	(white phase).
	1
(*2) (4-24-200 6 67-15-900 67-15-900 67-15-900 67-15-900 67-15-900 67-15-900 67-15-900 67-15-900 67-15-900 67-15-900 67-15-900 67-15-900 67-15-900 67-15-900 67-15-900 67-15-900 67-15-900 67-15-900 67-16-900	
" " " " " " " " " " " " " " " " " " "	
11	
4-3-98 " "       "	
(+3) (+23.0506 (+73) (+12.14.8506 (+73) (+12.14.8506 (+73) (+12.14.8506 (+73) (+12.14.8506 (+74)	
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	(I white phase)
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
5.3-98 " 66   Lechnodus fletcheri juvenile 6-17-020   10.3.98 " 11 // 1   Speciler glicher (*2)   4-27-000   11.3.98 " 66   Kerivoula papuers (*1)   600   11.3.98 " 72   Greater Glider X 4   600   11.3.98 " 72   Greater Glider X 4   600   11.3.98 " 72   Rower fullow)   Calling 67-14-200   12.3.98 " 72   Rower fullow)   Calling 67-14-200   12.3.98 " 72   Rower fullow)   Calling 67-14-200   12.3.98 " 71   Roy 86   Calling 67-17-050	
5.3-98   11	
10-3-98 11 11 11 11 11 11 11 11 11 11 11 11 11	
11-3-98 " 66   Kerivoula papuers (x1) (7-3-700)  11-3-98 " 72.   Greater Glider X 4 (7-13-13-13-13-13-13-13-13-13-13-13-13-13-	כהם שביום.
11-3-98 " 72.   Greater Glider X 4 (5.13-650)   12-3-98 "	
12.7.99 , 72   Powerfulow) Calling 67.14.200	
12.7.98 1. 72   Rower (100) Calling 67.14.200	
17.3.98 1. 71 1 BuyBG Calling 67.77 .050	
17:3.98 1. 71   Buy89   Calling   6717:050	4
17.2.98 11 71/72 1 Greater Globers Sighted. 67:13:150	1
	3
	· · · · · · · · · · · · · · · · · · ·

#### (\*) Type of Inspection

- 1. Night Time Surveys
- 2. Follow-up Clearance Inspection
- 3. Rejects Inspection
- 4. Regeneration Inspection
- 5. Road Line, Dump Sites Inspection
- Timber Assessment

- 7. Marking Boundaries, Filter Strips or
  - Conservation Areas
- 8. Reports from Log Faller
- 9. Head Disposal Burning
- 10. Harvesting Planning
- 11. Other

## NORTHERN RIVERS REGION WILDLIFE SURVEYS

Surveys Undertaken

SF: GIBRALTAR RANGE.

Survey Type	Location / Cpt	Date	Time	Undertaken	Comments/
				By .	Significant Results
Harp Trap (1)	cpt 68	3-3-98		· ND. KH. NH RH	·
Harp Trap (2).	cp172/cp168	3-3-98		NO. KH, NH, RH.	
Spotlight (driving).	Dingo Ck Rd. cpt 68		8:30pm	ND. NH.	2.3 km
Amphibian (driving).	Dingo Ck Rd. cpt 68	3-3-98	8:30pm	NO. NH.	2.3 km
Scat Transect	cp1 68	4-3-98		N. Ooyglas.	1.3 km
Anabat Sonar (A).	cpt 68/cpt 72.	<b>५-</b> ३- <b>१</b> 8	7:40 pm.	N.D . N.H.	
Anabat Sonar (B)		4-3-98	9:00pm	N·H.	
Spollight (walking)	(repeat) Ongo Ck Rd ep168	4-3-98	9:00 pm	N.O.	2.3 km
Spallight Driving	Mile Rickye Rocal	4.3.98	10.30pm	NO NI	Koom
Frag Secret	Hitrapsile 1	4.3.98	9.55 pm?	NO	No Frogs.
Amphibian (driving)	Mile Riolge Rocal	4.3.98	١٥٠ عمر	NDNH	11 11
r r=, , }	Oakly Road	5.3.98	10.00	HNON	
Horpirap (3)	CB1 68	5.3.98	8.3000.	とりとご	Storms
Release calls (7)	CP4 60	5-3-98	9.30pm	MIDNH	, Storms
ANARA) (c)	CP1 66	103-98	7.368m "	MONH	
ANAROJ (D)	CP16C	10.3.98		NDNH.	
SPOILIGH (Walking)	< 61 90 i	10:3.98		20	
Anabat (E)	2.01 17	10-3-98	<u>स्थाय</u>	ND, NH.	Keritonia papiensis
Anabat (F)	cp1 72	11-3-98	9:15	NH.	
Spotlight (walking)	Oakey Road CP1 72	11-3-98	9:00	ND.	
Release hats	cpt 66	11.3-98	8.00	ND. NH.	
Sandr (5)	CP1 71	12.3.99	8pm	とりとと	
Release Pets	CP1 72	12.3.98	961	ниоч	
Perchad Bods	C67 15	12.198.	7.300-	とってよ	
16. bany)  + barphrup (5)	C0371	12.1.98	10.301m	とりかけ	
Grach.	22/ 27/12 رواع	17.3.98	8.pm	とり でま	
CPOI Light Driving	25/26/16/32	17.3.78	كرياه ي ج	NONH	6001.
chack it trups 5/6 ming second	11 /1	, , , , ,		NDNH	
Lewis Starch	(1)	1, ,,	10.00pm	NDNH	
Location of surveys sho	um on áttachad m	200			L

Location of surveys shown on attached maps. Survey details in data sheets and reports.



STATE FORE		aller Range		M.A. GI	en Innes	COMPT. 69				
OBSERVER(	S) D B			DATE FROM	2 march 1998	REGION	<del></del>			
TIME				DATE TO		CODE				
LENGTH OF	TRAVERSE RO		<u> </u>	Finish Time	1:00 -	Total Time 3.5	La			
				<u> </u>						
30114E1 11A1	WE & LOCATIC	ON DETAILS CAL	68 T	rosect 1	Refer my	<u> </u>				
ماهم عصدي	- 4 · · · ·	قدالمن کابی دلا دسه	f 411	t creek coss	ا "ئى, الماء عدد" ا	creek , then 2600	to creek			
		<del></del>				•	-,- <b>\</b>			
AMG	Start	Easting 4241	40	<u> </u>	Finish	Easting 42414				
COORDINATI	ES	Northing 67157	00	******************	***************************************	Northing 671590				
THREATENE	D FLORA	Species Possible:	Taleaba		Arthron hip		<del></del>			
OBSERVAT	TIONS	***************************************			Mrtireven hill	3.0 03	************************			
TRANSECT DISTANCE		FLORA	NUMBER	AREA	SITE DES	SCRIPTION	MAP			
DISTANCE		SPECIES		SIZE	&/OR EVIDENCE OF DISTURBANCE					
	NIL 0	0.000 100	1			· · · · · · · · · · · · · · · · · · ·				
İ	14 in 0	BSERVED								
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9			•	<u> </u>						



STATE FORE		Her Range		M.A. Clea	Lave	COMPT. 68	
OBSERVER(S	S) D 0	~~\$		DATE FROM	2 much 1998	DECION	<u> </u>
TIME		Start Time 1:30	, , ,		6:00		<del></del>
LENGTH OF 1	RAVERSE RO	OUTE 3.15 k.	<del></del>		-100	Total Time 4.5	۲3
SURVEY NAM	E & LOCATIO	ON DETAILS	10 1			<u> </u>	<del></del>
1-1- , bo		210° to creak the		-, +L	300° to second	ereek, the 30° to	- read,
AMG	Start	Easting 424	350		Finish	Easting 42 4 3 50	
COORDINATE	S	Northing 67/4	780	*******************************		***************************************	
THREATENE	FLORA			<del></del>	<u> </u>	Northing 1714780	
OBSERVAT	IONS	***************************************		- moolisi	Arthones hispid	41	
		FLORA SPECIES	NUMBER	AREA SIZE	SITE DE	SCRIPTION E OF DISTURBANCE	MAP NOTED?
	NIC	OBSERVED					
		<u>.</u>					



STATE FOR	IL 1 TE	Her Range SF		M.A. Clea	τ	COMPT. 68	
OBSERVER(	S) 20 0			DATE FROM		DECION	<del>-</del>
TIME				DATE TO	3 March 1998	CODE	
	TRAVERSE ROL	Start Time 2: 20		Finish Time	4:30/-	Total Time 2.0 I	ars.
	UE & LOCATION	10 Rm		<u> </u>			
30117C1 11A1	ME & LOCATION	V DETAILS	68	Transed 3			
Start poor	.t 200 m .b.	my Dingo CE RA MI	· to~ ti.	it creek cross	· 3, 1/2 1000	to change in slope,	110-
AMG		<del>,</del>					
COORDINAT	Slart	Easting 423	3950	***************************************	Finish	Easting 424180	,
		Northing 6つに	5630			Northing (	
THREATENE		Species Possible:	T. waalls	, A h.,	ماماده		
OBSERVAT		<u>'</u>				***************************************	*******************
DISTANCE		FLORA SPECIES	NUMBER	AREA SIZE	SITE DES	CRIPTION	MAP
					WOR EVIDENCE	OF DISTURBANCE	NOTED?
	716 0	BSERVED				•	
-		<u> </u>			<del></del>		
					•		
				i			
		<del></del>		<del></del>			
	·					<del></del>	
	<u></u> -						
		•				<del></del>	



STATE FOR	EST C. be	Her Ronge		M.A. GI		<del></del>	
OBSERVER	(S)			M.A. CI		COMPT.	8
	D. C.	<del></del>		DATE TO	10.9.97	REGION CODE	
TIME		Slart Time 9.3	0	Finish Time	11:30 am		2.0 42
	TRAVERSE R	( • •	k-	1			- 0 47
SURVEY NA	ME & LOCATION	ON DETAILS		Tracet	Α	<del></del>	<del></del> _
					. Keter	سمه اردي	v travoie
		•					•
AMG	Start	Easting #23	430		Finish	i Continu	
COORDINAT	ES	Northing 6715			FINISH	1	23850
THREATENE	D FLORA	Species Possible:	760			Northing 67	5380
OBSERVA		opecies russible.	***************************************	***************************************		***************************************	
TRANSECT		FLORA	NUMBER	AREA	0.75		
DISTANCE		SPECIES	NOMBER	SIZE	SITE DE SITE DE	SCRIPTION E OF DISTURBANCE	MAP NOTED?
					<del></del>		NOTED
	N. J.						·
	7.10	OBSERVED					
					<del></del>	<del>-</del>	<del></del>
	-					<del></del>	
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		•					
					<del></del>		<del></del>
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					<del>-</del>	<del></del>	<del></del>
							1
		<del></del>			<del></del>	<del></del>	<u> </u>
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		_	• :	:			:



STATE FOR	EST Chank	lar Range		MA CI		001107	
OBSERVER(	S)			DATE FRO	n Innes	COMPT. 66	
	D B .~	^ \$		DATE FRO	M 3 Mach 1998	REGION CODE	
TIME		Start Time 7:30		Finish Time		0002	<del></del>
LENGTH OF	TRAVERSE ROL	JTE 4.6 k-			سم ٥:٥	Total Time 61/2	<u> </u>
SURVEY NAI	ME & LOCATION	. DCT		<del></del>	<del></del>	<u> </u>	
Starten	old lessins	track di uno		Transect	1 Refor		***************************************
١١٠ 210	to work , th	300, 1" WATE (CO	- 40-1(a)	, th 193	- 30° to creek ju	map who illo 327° ho lef resident back to st meeting trouves.	creek
AMG	corte boming	معد مدلم ممد	inte e	to very	donse vine thickets	moneding francisco.	<b>~</b> ≠
		7 2 2	-280	*******	Finish	Easting 422570	
COORDINAT		Northing 6716	280	***************************************		Northing 6716280	
THREATENE	D FLORA	Species Possible:	1-1-1-	so	ii , A-thraca his		, <del></del>
OBSERVA"	TIONS	***************************************			Markey his	<u>د سام، م</u>	******************
TRANSECT		FLORA	NUMBER	AREA	SITE DESC	CRIPTION	
DISTANCE		SPECIES		SIZE	MOR EVIDENCE	OF DISTURBANCE	MAP NOTED?
					•	•	
	_ 7					•	
					<del></del>	<del></del>	
						<u> </u>	
		_			·		
	<u> </u>	<u> </u>			<del></del>		
						· · · · · · · · · · · · · · · · · · ·	
	<b></b>						
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	_						
			-				
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### SPOTLIGHT TRANSECT -:

### IPLE REGION

OBSER*		Herk	lots / Horvey		START DA FINISH DA	TE 10 - 3 TE	- 98	REGION CODE 461
SURVE		(51K	ralter Konge	1	M.A.	R.R.		COMPT. 66
SORVE	1 IAWMI	•	Ü	·		7:35	am√ pm	Finish 9: 20 == 1
DETECT	TION IN	12	e-Harvest		NUMBER (	OF TRANSEC	TS 1	
DETECT	HON M	ETHOD(S)	🛘 spotlight -vehicular trans		Transect N	o(s)		
			spotlight - foot transect					
BROAD	FORES	T TYPE	Rainforest	Science	nunsect (4)	J(S)I		
			☐ Subtropical	R/We	t Scierophyl	, , , , , , , , , , , , , , , , , , ,		oodland
			□ Dry	□ Drv	Sclerophyll	<b>!</b>		Shrub Woodland
EARCET		**************	☐ Temperate	□ Sw	amp Sclerop	hyll		Heath Woodland Tall Woodland
		NUMBER(S	)	16	3 A			TON YVOODIAND
Location		·				****************		)
<u>· I</u>	RANSE	CT 1	Location Description					
Total Dis	tance		- · · · · · · · · · · · · · · · · · · ·	,	0 /	0	,	
Species	Targete	d	1.9 Km a/a	na	Vakeu	Koad	<u>′.                                    </u>	
AMG		Start	11/ Species. 100				_	
COORDI	N∆T⊏≎		Easting 4223	961 Hg go nan-	Finish	Easting 4	2310	0
			Northing 67/675	0		Northing 6	フィーノ	~~
WEATHE	RF,	7 <u>e</u>	Temperature 20°		Time &	:00	<u> </u>	nm ·
Wind			O calm		<u>:</u>	te - moves bra		<del></del>
Rain			☑ light - leaves rustle		O strong	impedes prog	Tess Tess	
1 14111			☐ rain during survey		2 no evid	ence of rain in	the last 24	1 hrs
Night ligh	t		evidence of rain in last 2					
J 3.,			O dark - quarter moon or m	ud	O detail s	een - moon an	d clear sky	<del></del>
			with heavy cloud	IOOU	₩bright -	half moon or	more and r	no cloud .
ŢF	ANSE	CT 2	Location Description					
Total Dist	ance		beauthmit					· · · · · · · · · · · · · · · · · · ·
Species T	argeted	<u></u>	L					
AMG			i e					
		Start	Easting		Finish	Easting		
COORDIN			Northing	************	-	Northing		
WEATHE	R		Temperature		Time			
Wind			O caim			te - moves bra	am / p	<u> </u>
D-:			☐ light - leaves rustle (2)			ie - moves bra impedes prog		
Rain			O rain during survey		no evide	ence of rain in	the last 24	hre
Night light			O evidence of rain in last 24	4 hrs				
· 3-11 119111	•		☐ very dark - no moon+clos	ud	O detail se	en - moon an	d clear sky	
<u> </u>			dark - quarter moon or m with heavy cloud	aon	☐ bright -	half moon or r	nore and n	o cloud
OBSER								
DIST. T	RANS.	SPECIES			OBS.	DIST.	CO1 :: :=	1
	NO.				TYPE	from	COUNT	NOTES
						TRANS.		
00		Rina	Tail nocen					in Hollow
T		~ 3	Tail possom		sight	15	2	Limb.
250		P.O.			call	1.0Kmto		
,_	_		4		2411	1.2Km		V. Distant call
50			Night jar		call	25	,	
i-								
50	,		) -		sight		<del></del> -	

DIST.	,	SPECIES	<del></del> -			
	NO,		" OBS. TYPE	DIST. from TRANS.	COUNT	NOTES
1.1	1	GG Boobook GG GG GG	3/94+		ı	
		Bookook	call	1	1	
1-2	1-	GG	5/94+	10	2	
.4_	1	GG	sight_		l	
1.6 1.9	1	<u>66</u>	3194+		1	
· 0	1	GG	5194+	15	3	
			<del></del>			
	_	·				
+						
_		· · ·				
-						

SKETCH MAP (INCLUDE DRAINAGE, ROADS AND TRACKS, DISTANCES, BEARINGS)
NORTH
[TOP]



## SPOTLIGHT TRANSECT - SAMPLE REGION

OBSERVER(S)			START D	ATE	3.3	<del>70</del>		
STATE FOREST	ey/Herklots	_	FINISH D	ATÉ	3-3- 4-3-	7 Z	REGION CODE 46	/
STATE FUREST G.	ey/ Herklots brotter Ronge		M.A.	1/. /	R.R	7 0		
SURVEY NAME	<del> </del>		TIME Star	18.5	50 1	<b>5</b> 0 / pm	COMPT. 6 8	
				7.4		Dar bill	Finish /O: oc	> <del>-20</del> n/
Pre-	Harvest	ľ	NUMBER	OF TI	RANSECT	s 2.	Pr.	
DETECTION METHOD(S)	& spotlight -vehicular transe	<del></del>						
	Spotlight - foot transect	•					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
BROAD FOREST TYPE				Vo(s).		······		
	Rainforest   Subtropical	Scien			********	Wo	odland	
	☐ Dry	May vve	t Sclerophy Sclerophyl	r[] H			hrub Woodland	***********
	D Temperate		amp Sciero				leath Woodland	
FOREST TYPE NUMBER(S	)	J	36	priyii	***************		ali Woodland	*****************
Location Description		<u> </u>	20		*************		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	70 24 24 2 May 20 4 24 14 20
TRANSECT 1	Location Constitution Con	./			<del> </del>			
Total Distance	Location Description Root	0 9	3025	0+4	Dir	190 C	eek rd	
Species Terret	Runs	<u>s</u>	. <i>E</i> .				•	
1440	11 species							
Start Start	Easting 423350		Finish	Eas	ting			<del></del>
COORDINATES	Northing 6715150	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	ī		124 30		
WEATHER Fine	Temperature /8°		Time	<del></del>		7148		
Wind	€ calm		<u>:                                    </u>	8: 3	moves bra	<b>≠ /</b> pr	n	
	☐ light - leaves rustle		O strong	ale - I	moves bra edes prog	nches		
Rain	☐ rain during survey		no evi	dence	of rain in	the last 24 (	<u> </u>	
Night light	Devidence of rain in last 24					UIC 103( 24 )	14.5	
i widut riðut	☑ very dark - no moon+cloud	1	□ detail	seen ·	moon an	d clear sky		
	dark - quarter moon or moo	on	D bright	- half	moon or r	nore and no	cloud	
TRANSECT 2								
Total Distance /. 3	Location Description							
	As abo	ve.						
- '7'	Species							
AMG Start	Easting 423350		Finish	Eas	ting 4	24300		
COORDINATES	Northing 67/5750	***********						***********
WEATHER Fine	Temperature 18°		Time	7 . 4	75	714800		
Wind	□ calm				noves bra	/ pr	n ———————	
	🛿 light - leaves rustle (2)		O strong	- imp	edes prog	ncnes rece		
Rain	☐ rain during survey		Ø no evi	dence	of rain in	the last 24 I	nre	
Night light	evidence of rain in last 24 I	hrs						
r ngm ngm	yery dark - no moon+cloud of dark - quarter moon or moo	<u>.</u>	🛘 detail :	seen -	moon and	d clear sky		
	with heavy cloud	on	☐ bright	- haif	moon or r	nore and no	cloud	
OBSERVATIONS				<del></del>				
DIST. TRANS. SPECIES			OBS.	$\overline{}$	DIST.	COUNT		
NO.			TYPE		from	COOM	NOTES	
					TRANS.			
100m 1 6.	6						<del></del>	
			3194+	-+	10			,
900_ 1 Br	sh tail (very white)		5136+		25			
con 1			<del>1"367</del>	十	<u>~ &gt;                                   </u>	<del></del>	<del></del>	
9502 1 G.C	( very while)		Sight		15	<b> </b>	•	
P.T.	0							
<del></del>	MD SYETCHMAR		1			!		

	RVATIO	DNS	<u> </u>			• •
DIST.	TRANS	SPECIES	· OBS.	DIST.	00:00	
	NO.		TYPE	from TRANS.	COUNT	NOTES
0	usK	Listening Time				
Start	2	Bookenk	call	400	1	
200	2	G.G.	71944		,	413600
250	2	6. C.	319ht	20	,	67/5/50 67/5/50
650	2	Ringtail	519ht	7	,	6113170
tr	2	G.G.	sight	10	1	413950
800	2_	Sugar Glider	call	20	1	-11/30
<u>800</u>	2	Sugar Glider  Nightjar	call	25	,	
	2	G.G.	sight		1	414 150
/000 \$\frac{1}{2}	2	G. 6.		15	2	6714900 714270 6714800
			7	J		Boobook called
						throughout the
						Tronsect.
			,			
			· ·			<del></del>
			<del></del>			
			<del>                                     </del>			·
				L I		

SKETCH MAP (INCLUDE DRAINAGE, ROADS AND TRACKS, DISTANCES, BEARINGS) NORTH [TOP]



### SPOTLIGHT TRANSECT - SAMPLE REGION

OBSER	RVER(S)			<del></del>	—— <sub>T</sub>	START DA	75	2 2							
<u> </u>	Doug	Las .	N.Harv	rey.		START DA FINISH DA	TE	3-3-	98 99	REGIO	N 41	61.			
STATE	FORES	Gibral	N.Harv tar Ra	nge.				sino	10	COMP					
SURVE	Y NAME			0		TIME Start			DID)						
9-1	•	•			Į					pm	9:50	<b>46</b> /			
112 12	39,00	Ja Ko	<del>scling S</del>	vehicular transe		NUMBER (	OF T	RANSECT	s j						
DETEC	TION ME	THOD(S)	Spotlight -	vehicular transe	ct	Transect N	o(s)								
			:	foot transect								· <b>·</b>			
BROAD	FORES	T TYPE	Rainforest		Science	lerophyll Woodland									
			☐ Subtropica	1	□∦Ve	t Sclerophyl	 	******************	**************	Shrub Wood	and				
1			D Dry			Pry Sclerophyll									
FORES	T TYPE	NUMBER(S)	D Temperate	}	□ Sw	amp Sclerop	hyll	****************		Tall Woodlan					
	n Descrip		***************	**************************************	ļ		******	*************			*****************				
	TRANSE		Location Des				-				_				
		2.3km.	1	-	^										
	Targete		Creek	KCC	ict.				<del></del> -						
AMG			Finish 1			<u> </u>									
COORD	DINATES	0 0	Finish	Ea:	sting 4	24-50	<u> </u>								
WEATH	IER	<u>U</u>	Time	NO	rthing 67.	16-20	<u> </u>		-						
Wind			Temperature			<u> </u>		3 : 30		<u>m')</u>	<u>.</u>				
			🛘 light - leave	es rustle		☐ moderate - moves branches ☐ strong - impedes progress									
Rain			☐ rain during			☐ no evid	lenc	e of rain in	the last 24	hrs	) )				
Night lig	ibt	<del></del>		of rain in last 24 no moon+clour		<b>-</b>					_				
159	,,,,		M dark - muar	ter moon or mo	0	☐ detail s	seen	- moon and	d clear sky	·					
			with heavy			n night -	· nai	f moon or r	nore and r	10 cloud					
	TRANSE(	<u>CT 2</u>	Location Des	cription		<u> </u>	•								
Total Di		2.3km	Dinge	(reek	Roca	. اح									
Species	Targete	cill i													
AMG		Start	Easting 4	24.500	5	Finish	Eas	sting L	- 73	- 220					
COORD	INATES			-16-20C		1. 1	******	thing 67	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	P4 P4 T 100 100 100 100 100 100 100 100 100 1	**********				
WEATH	ER		Temperature			Time			**a (						
Wind			□ calm			O modera	ate -	moves bra	nches	<u></u>					
Doi:		· · · · · ·	21ight - leave			□ strong	- imp	oedes prog	ress			I			
Rain			☐ rain during	survey If rain in last 24	h	a no evid	ienc	e of rain in	the last 24	hrs					
Night lig	ht			no moon+cloud		O detail e	.000	mean on	4 -1 1						
			dark - quar	ter moon or mo	on	D bright -	hal	- moon and f moon or r	o clear sky nore and c	o claud		- 1			
OBSEC	71/4 710	N/a	with heavy	cloud						io ciond					
	TRANS.	SPECIES				OBS.	,								
	NO.						ľ	DIST. from	COUNT	NOTES	_				
						TYPE		TRANS							
300m		Greate	er Glid	er		Sighte	ed	50m	1						
400m	1	Greate	er Glid	06	-	1 ~ -	I	Som	1	white	phas	se.			
	1					Sighte	261		<u></u>	<del> </del>	·				
700 m	<del>                                     </del>	Greate	er Glid	ers		11		50m	2						
11		Commo	on Ring	gtail		u·		30~	1						
OVED	H E A C					<del></del>	1			1					

OVERLEAF? YES / NO SKETCH MAP OVERLEAF? YES / NO

**OBSERVATIONS** DIST. TRANS. SPECIES OBS. DIST. COUNT NOTES NO. TYPE from TRANS. 1 km Greater Glider sighted 160m ١ 1.5 km Greater Gliders Ħ 2 50~ l 1.8 km Greater Gliders 4 50m Heard 11 Southern Boobook 1 २००~ Calling. 2km Greater Glider SigrAed 10m Ringtails Common 2 10m 30m Grecher Glider , Significal 20 m 2 40m 1) n 17 IOM 2  $\infty$ 2 11 , 2 " 20m - 2 2 \* 2 1.8 50m 2.31 2 20 in 2.3tn 2 Calline SOm

SKETCH MAP (INCLUDE DRAINAGE, ROADS AND TRACKS, DISTANCES, BEARINGS) NORTH [ TOP ]





OBSER	VER(S)				START D	) TC	4.3-0		<del></del>				
N US	ugla:	5 ,	1. Harvey		FINISH DA	ATE	4.3-6	18	REGION 461				
SIALE	FOREST	Gibro	Harvey Mar Range		M.A.		sino		COMPT. 68				
SURVE	YNAME		— <del></del>				:30 -	87 DM					
						•			Finish 11:00 and				
					NUMBER	OF T	RANSECT	S. 1					
DETECT	TION ME	THOD(S)	spotlight -vehicular transe	 ct				•					
			spotlight - foot transect										
BROAD	FORES	T TYPE	Rainforest	C-I-	Transect N	10(5).							
			☐ Subtropical		ophyli et Sclerophy	н.			odland				
			□ Dry		y Sclerophyl				Shrub Woodland				
		•	☐ Temperate		Swamp Scierophyll   G Heath Woodland  C Tall Woodland								
*******		NUMBER(S)			**********	····	**************						
Location				******	***************************************		*********	i	·····				
	RANSE		Location Description										
Total Di	stance -	800m						•					
Species	Targete	1	<u></u>	<u> </u>	<del></del> -		<del></del> -						
AMG			Faction / 22 75-		1								
COORD	INATES	Finish	Easting 4-22-750		Start	Eas	sting 4	23-2	20				
WEATH			Northing 67 - 14 - 700			No	rthing 67-	15-1	00				
Wind			Temperature 18°C		Time		7:40		m)				
TTING			□ calm ☑ light - leaves rustle				moves brai						
Rain			☐ rain during survey		L) strong	- im	pedes progr						
		<u>_</u>	Devidence of rain in last 24	hrs	₪ uo é∧i	oenc	e ot usitu to e	he last 24	hrs				
Night lig	ht		□ very dark - no moon+cloud	d	C detail	seen	- moon and	dear slov					
		٠.	Ø dark - quarter moon or mo	on	🗆 bright	- hal	if moon or n	none and no	o cloud				
<del> </del>	RANSE	CT 2	with heavy cloud										
Total Dis		<del></del>	Location Description										
<u> </u>			l				_						
<u> </u>	Targete							•					
AMG		Start	Easting		Finish	Eas	sting						
COORD			Northing			No	thing						
WEATH	ER		Temperature		Time	<u></u>	<del></del>	am / p					
Wind			O calm		0 mode	rate -	moves bra						
Rain			O light - leaves rustle (2)		O strong	) - im(	pedes progr	ess					
Nam			O rain during survey		□ na evi	denc	e of rain in	he last 24	pre				
Night lig	ht		evidence of rain in last 24 very dark - no moon+clou	<u>hrs</u>	<b>—</b>								
			2 dark - quarter moon or mo	u 200	□ detail	seen	- moon and	clear sky					
			with heavy cloud	_	C Origin	- 114	lf moon or n	nore and n	o cloud				
OBSER DIST.	RVATIO												
0131.	TRANS	SPECIES	_		OBS.		DIST.	COUNT	NOTES				
<b></b>						•	from Trans.						
200m	1	Greate	c Glider		Sighte	d	50m						
400m	400m   Greater Gliders				11		20m	3	(One white phase).				
					<del> </del>		aun	ر	ļ				
<del> </del>													
	<del></del>	<u></u>					i l		ţ				

OVERLEAF? YES / NO SKETCH MAP OVERLEAF? YES / NO



# SPOTLIGHT TRANSECT - SAMPLE REGION

OBSE	RVER(S					CTADT DA	10				
CTATE	5000	VID.	N H Har Ror			FINISH DA	IE 10.3.	45	T	REGION /	
STATE	FORES	it Sibor	How Ran	194		M.A.					61
SURVE	Y NAM	E		<del>-0</del> -		TIME Start	7-			COMPT. 6	
Pre-	- Loc	3G. ) _	Survey    Spotlight -vel					atin / pm		Finish 👣 / pm	7 and 1
DETEC	TION M	ETHONGS	3 Cruen	<del>}</del>			F TRANSEC	TS			
		211100(3)	spotlight -vel	ilicular transe	ct	Transect No	(s) .				
			Spotlight - for	ot transect		Transect No	(s). 🐴			******************	*****
BROAL	FORE	ST TYPE	Rainforest		Sclero	nhvii	(-)			_	
			□ Subtropical	***************		t Scierophyll	************		Woodlar		************
1			□ Dry		Ø D₁y	Scierophyli				Woodland Woodland	
FORES	T TYPE	NUMBER(S)	☐ Temperate		☐ Swa	amp Sclerop	hyll			oodland	
	n Descri		163 B.				***************	***********	*************		
						*****************	70 T-1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			**********	······
	TRANSE		Location Descri	ption							
		1.9 km	Mile	Ridge	0	1					
Species	s Targete	ed		- 0		occi.					
AMG		Start	Easting ( - 0	2 / 6		· · ·	_			<u>.</u>	
COORE	DINATES		Easting (4 - 2	7-100		- Finish	Easting 4	. 7 2	.05.0	5	
WEATH	IFR		Northing 67	- 15-23	<u></u>		Northing 6	7.14.	000	2	·····
Wind			Temperature	<u>/γ-</u>			8.30			· ·	
***************************************	•		O salm			□ modera	te - moves br	anches	<del>-</del>	<u> </u>	
Rain			Elight - leaves			🗆 strong -	impedes pro	gress			
			O rain during su O evidence of n		h	☑ no evid	ence of rain in	the last :	24 hrs		<del></del>
Night lig	ht	,.	O very dark - no			Of dotal a					_
			🛘 dark - quarter	moon or ma	on	D bright -	en - moon a half moon or	nd clear s	ky		
	TO 41105		with heavy cl	oud		gt	man moon or	more and	ז עס כוסר	id .	
	FRANSE	CT 2	Location Descri	otion							
Total Di											
Species	Targete	d									
AMG		Start	Easting			: Ciatab :					
COORD	INATES		Northing			]-	Easting		*********		
WEATH							Northing				***************************************
Wind			Temperature			Time		am /	pm		
			☐ calm ☐ light - leaves	nieke Mi		□ modera	e - moves br	anches		<del></del>	
Rain			O rain during su	rvev		□ strong -	impedes pro	gress			
			D evidence of ra	in in last 24 I	hrs	⊔ no evide	nce of rain in	the last	24 hrs		
Night ligh	ht		O very dark - no	moon+cloud		🗋 detail sa	en - moon ar	nd class s			
			dark - quarter	moon or moo	on	□ bright -	half moon or	More and	ky I na clau		
OBSER	2VATIO	)MS	with heavy cli	oud				uniu		u	
	TRANS										
	NO.					OBS.	DIST.	COUN	T NO	ES	
	<del> </del> -	<del> </del>			<u> </u>	TYPE	from TRANS.				
Om	1_	Greater	Glider	X-32		Sighled	T	7			<del></del>
Red m	1	11	′,			Sinller		1	+	<del></del>	<u>·</u>
1.3	آ ر <u>ا</u>	<u> </u>				05-		<del>                                     </del>		<u> </u>	
	<del>                                     </del>	Sugar	Sider			Callina		11			
1.4	/	l D. Č	1 10			1 1 1	<del>\                                    </del>	<del>                                     </del>			
		V1N 7	701169	Shm		الانملاطوة	<u>.</u>				
OVER	LEAF'	YES/	O SKETCH	MAP OV	<u>-</u>	4 7 2		<u> </u>			

## CALL PLAYBACK - SAMPLE REGION

ORS	ERVER	(S)	aler I	Lange		M.A. NHA	livere	COMPT. 68			
SLID	VEV NA	EST Gilor (S) KHane MEp.	5/K.	Herbolo.	ts_	DATE FROM 3.3	.98	REGION			
		irc+nac	nese			Part of Spotlight Tran	sect ? YES / H				
UEII	ECHON	METHOD(S)	L arbore	al mammal	s	O diumal birds					
			E ∕noctur	nal birds		=		□ other			
Spec	ies Targ	eted					12				
CEN:	SUS 1		Start Tirr	ne: 7.30		Cinina Time 10	Calls Played	70,00,00			
SITE	(S) - AM	G Site				Finish Time: 10	Opm_	Total Travel Time			
coo	RDINAT		Northing	4233			Site. 2	Easting <b>424</b> 300			
BRO.	AD HAB	ITAT TYPE	Rainfores	<u> </u>	180		Zone	Northing 6714800			
(1 only)  FOREST TYPE NUMBER(S			Subtropic		************	Scierophyll	***************************************	Woodland			
			Dry			Wet Sclerophyll	0	Shrub Woodland			
			Tempera	_		Dry Sclerophyli	0	Heath Woodland			
			163			Swamp Sclerophyll	<u> </u>	Tall Woodland			
OCA	TION D	ESCRIPTION	Sile!	0/1 01	1	/					
51 <b>6</b>	2 : F	Further _1	۔۔۔۔۔ اب مص	0	VIIIAC	rung un SEdi	rectin off	Dingo Creek Rd.			
VEA.	THER		Temperat	************	······································	A ( COO)	end of	mpt. )-unnamed Rd			
Vind	(1 only f	or all)	E calm	- / S	<u>3°                                    </u>	Relative Humidity		Time 8-30 - / pm			
				eaves rustle	<u>.</u>	•	□ moderate	moves branches			
Rain			🗆 rain du	ring survey			□ strong - im	pedes progress			
light I	light		<b>©</b> evident	ce of rain in	last 24 h	rs	. In evidence	e of rain in the last 24 hrs			
ngm	ngiit		Li very da	rk - no moo	n+cloud		O detail seen	- moon and clear sky			
Wdark - moon					moor	n with the cloud	C 6-3-14	- moon and clear sky If moon or more and no cloud			
BSI	ERVAT	ION DETAIL	S				□ onght - ha	If moon of more and no cloud			
BSI	SITE	ION DETAIL	S								
)BSI )ATE	SITE		S	OBS.	COUNT			NOTES (appearance, sex, note if coun			
)BSI )ATE	SITE NO.		S	OBS.		RESPONSE (ESTIMATE	)	NOTES (appearance, sex, note if count an estimate, AMG of S1 or			
CATE	SITE	SPECIES	S	OBS.				NOTES (appearance, sex, note if count an estimate, AMG of S1 or S2)			
DBSE DATE	SITE		S	OBS.		RESPONSE (ESTIMATE	)	NOTES (appearance, sex, note if count an estimate, AMG of S1 or S2)  Couled before and dispose			
ATE	SITE	SUGAR	S	OBS.  TYPE  Heard	COUNT	RESPONSE (ESTIMATE  DISTANCE  (+/-)	)	NOTES (appearance, sex, note if count an estimate, AMG of S1 or S2)  Called before and dunny playbacks			
3	SITE	Sugar Glider Sugar	S	OBS.  TYPE  Heard  Call	COUNT	RESPONSE (ESTIMATE DISTANCE	BEARING	NOTES (appearance, sex, note if count an estimate, AMG of S1 or S2)  Couled before and during playbacks  Diff. position to allocate			
3 3	NO.	Sugar Glider Sugar	S	OBS.  TYPE  Heard  Call  Heard	COUNT	RESPONSE (ESTIMATE  DISTANCE  (+/-)	BEARING	NOTES (appearance, sex, note if count an estimate, AMG of S1 or S2)  Called before and dunny playbacks			
3 3	NO.	Sugar Glider Sugar	S	OBS.  TYPE  Heard  Call  Heard	COUNT	RESPONSE (ESTIMATE  DISTANCE  (+/-)	BEARING	NOTES (appearance, sex, note if count an estimate, AMG of S1 or S2)  Couled before and during playbacks  Diff. position to allocate			
3	NO.	Sugar Glider Sugar	S	OBS.  TYPE  Heard  Call  Heard	COUNT	RESPONSE (ESTIMATE  DISTANCE  (+/-)	BEARING	NOTES (appearance, sex, note if count an estimate, AMG of S1 or S2)  Couled before and during playbacks  Diff. position to allocate			
3 3	NO.	Sugar Glider Sugar	S	OBS.  TYPE  Heard  Call  Heard	COUNT	RESPONSE (ESTIMATE	BEARING	NOTES (appearance, sex, note if counting an estimate, AMG of S1 or S2)  Couled before and during playbacks  Diff. position to allee S6			
3 3	NO.	Sugar Glider Sugar	S	OBS.  TYPE  Heard  Call  Heard	COUNT	DISTANCE  (+/-)  (+/-)	BEARING	NOTES (appearance, sex, note if coun an estimate, AMG of S1 or S2)  Collect before and during playbacks  Diff. position be alter so			
3 3	NO.	Sugar Glider Sugar	S	OBS.  TYPE  Heard  Call  Heard	COUNT	RESPONSE (ESTIMATE	BEARING	NOTES (appearance, sex, note if coun an estimate, AMG of S1 or S2)  Collect before and during playbacks  Diff. position be alter so			
3	NO.	Sugar Glider Sugar	S	OBS.  TYPE  Heard  Call  Heard	COUNT	RESPONSE (ESTIMATE	BEARING	NOTES (appearance, sex, note if count an estimate, AMG of S1 or S2)  Couled before and during playbacks  Diff. position to aller sc			
3	NO.	Sugar Glider Sugar	S	OBS.  TYPE  Heard  Call  Heard	COUNT	RESPONSE (ESTIMATE  DISTANCE  (+/-)  (+/-)  (+/-)  (+/-)  (+/-)	BEARING	NOTES (appearance, sex, note if counting an estimate, AMG of S1 or S2)  Couled before and during playbacks  Diff. position to allee S6			
3	NO.	Sugar Glider Sugar	S	OBS.  TYPE  Heard  Call  Heard	COUNT	RESPONSE (ESTIMATE    (-/-)	BEARING	NOTES (appearance, sex, note if counting an estimate, AMG of S1 or S2)  Couled before and during playbacks  Diff. position to allee S6			
3	NO.	Sugar Glider Sugar	S	OBS.  TYPE  Heard  Call  Heard	COUNT	RESPONSE (ESTIMATE    (-/-)	BEARING	NOTES (appearance, sex, note if count an estimate, AMG of S1 or S2)  Couled before and during playbacks  Diff. position to allocate			
3	NO.	Sugar Glider Sugar	S	OBS.  TYPE  Heard  Call  Heard	COUNT	RESPONSE (ESTIMATE  (+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-)	BEARING	NOTES (appearance, sex, note if count an estimate, AMG of S1 or S2)  Couled before and during playbacks  Diff. position to allocate			
3	NO.	Sugar Glider Sugar	S	OBS.  TYPE  Heard  Call  Heard	COUNT	RESPONSE (ESTIMATE  (+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (-/-)	BEARING	NOTES (appearance, sex, note if coun an estimate, AMG of S1 or S2)  Collect before and during playbacks  Diff. position be alter so			
3 3	NO.	Sugar Glider Sugar	S	OBS.  TYPE  Heard  Call  Heard	COUNT	RESPONSE (ESTIMATE  DISTANCE  (+/-)  (+/-)  (+/-)  (+/-)  (+/-)  (+/-)  (+/-)  (+/-)  (-/-)  (-/-)  (-/-)	BEARING	NOTES (appearance, sex, note if coun an estimate, AMG of S1 or S2)  Collect before and during playbacks  Diff. position be alter so			

### CALL PLAYBACK - SAMPLE REGION

OBSERVER(S)	les R		C F	M.A. Noth O.					
OBSERVER(S)		<del>سرود</del> _	<u> </u>		lers	COMPT. 68			
SURVEY NAME Pre-hou	# / R	<u>Heri</u>	<u>rlots</u>		, 	REGION CODE 46			
DETECTION METHOD(S)	Partores	ıl mammal:		Part of Spotlight Tran	sect ? YES	specify that have the			
	Doctum		S	☐ diumal birds		O other			
Species Targeted									
CENSUS 1	Start Time	. 7 7			Calls Playe	d PO, SO, MO, K, 48G			
SITE(S) - AMG Site1	Easting (	7.3 +237	Opm	Finish Time: 10 ·	30Pm	Total Travel Time			
COORDINATES (REPEAT)	Nonhing	67 16	380	·····	Site. 3	Easting 424500			
	Rainforest	97 10	150	Sclerophyti	Zone	16050 Northing 6716050			
(1 only)	Subtropica	al D	************	Wet Sclerophyll		vvoodland			
	Dry	0		Dry Sclerophyll	8	Shrub Woodland			
	• 🗆		Swamp Sclerophyll		Heath Woodland				
FOREST TYPE NUMBER(S)	163 b	•	********	- Ottorip ocierophyll	0	Tall Woodland			
LOCATION DESCRIPTION	ITE I	ogg.	Dingo	.ck. Rd.					
	ITE 3	: 2.3	ikm d	oun Dings Cle	Δ .				
	Temperatu	re 18	°C	Relative Humidity	Road	T			
1	Sr €alm				O modemte	Time 7.45 am-/ pm -moves branches			
		aves rustle	<u> </u>		O strong - in	- moves branches npedes progress			
1	O rain duri	ng survey e of rain in	la-4 <b>0</b> 44		D no eviden	ce of rain in the last 24 hrs			
Night light	O very dan	k - no moo	iast 24 hi	rs					
	So∕otank-αι	arter moor	10000		☐ detail see	n - moon and clear sky			
OBSERVATION DETAILS					Li bright - na	alf moon or more and no cloud			
DATE SITE SPECIES		OBS.	COUNT	RESPONSE (ESTIMATE	)	NOTES (appearance, sex, note if count			
						an estimate, AMG of S1 or			
NO.		TYPE		DISTANCE	BEARING	S2)			
4.3 1 Booksonk				(+/-)	00/1/11/0	Calling before			
		Heard		(4)-)		playbacks bagan			
4.3 1 Sugar 8	lider	Heard	1	(+/-)		Calling after			
4.3 3 Buschil				(+/-)		Male - responding to playback			
100000		Heard		1km (+/-) 100m	340°	6716950N			
4.3 3 Powerful	مسلا	Heard		1km (+M) 200m	20°	could have been responding to			
	ļ			- ACOM	210				
				1+1-)		MOZOFIFA			
				(+/-)					
				(+/-)					
				(+/-)					
				(+/-)					
				(+/-) (+/-) (+/-)					
				(+/-) (+/-) (+/-) (+/-)					
				(+/-) (+/-) (+/-) (+/-) (+/-)					
				(+/-) (+/-) (+/-) (+/-)					
				(+/-) (+/-) (+/-) (+/-) (+/-)					

PAGE \_ OF \_ \_ . SKETCH MAP OVERLEAF? NO

### CALL PLAYBACK - SAMPLE REGION

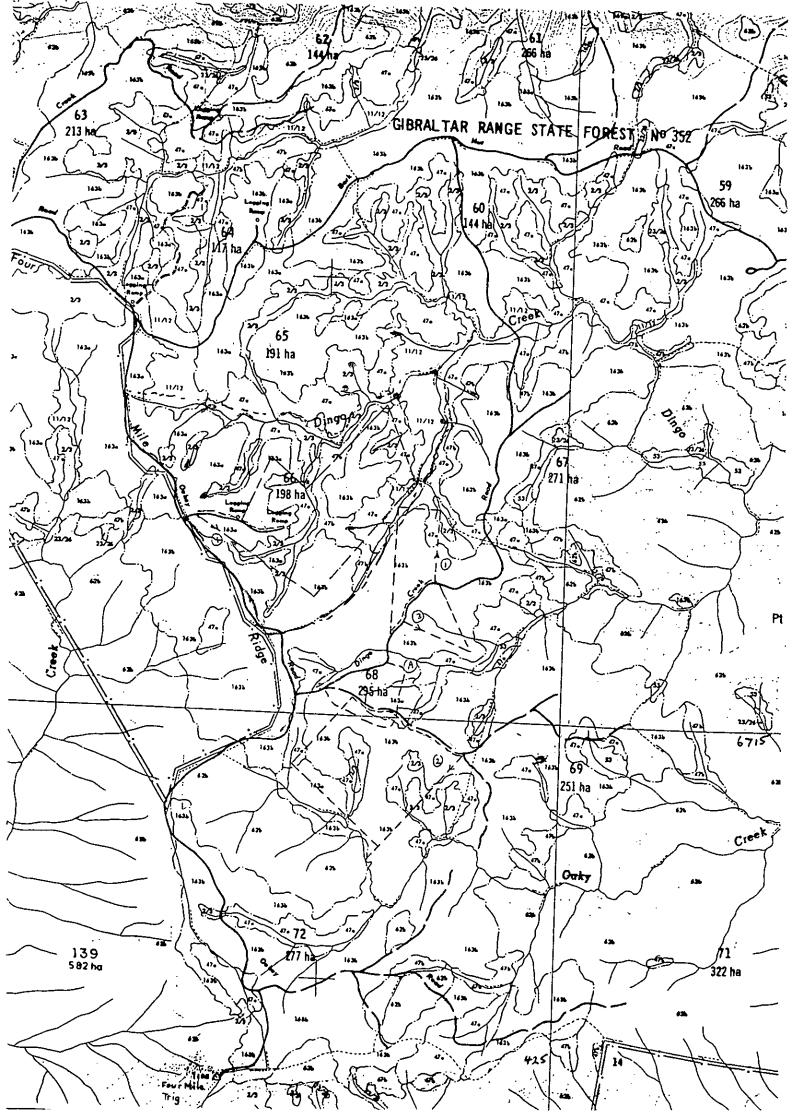
	SERVER	(S)	~ue,r_	Trough	e SF	MA NHA RI	ver	<u> </u>	COMPT. 68			
Ci IL	RVEY NA	(S) K Harrie	20/R	Henrel	oto	DATE FROM 5.	<del>5. '٩</del>	18	PECION			
		METHOD(S)	<u> </u>	<u> </u>	ہویں	Part of Spotlight Tra	nsect	? <b>55</b> /NO	CODE 461			
ושע	EC HON	· ME I HOD(S)	☐ arbore	al mamma	ıls	☐ diumal birds			O other			
	.: <del>-</del>	<del></del> _	& noctur	nal birds					C ARIE			
	cies Targ	jeted			•			Calls Played	0.00			
	ISUS 1		Start Tim	e: 7.3	Opm	Finish Time:		Cans Flayed	- 307110, 1 X 7 8 G			
	(S) - AM		tasting	424	+ 30C		-	Site. 🌦	Total Travel Time Easting			
		ES (REMAT)	Nonhing	6711	4800	)	c	Site. <del>se.</del> <b>Sore</b> Zone	Northing			
	(1 only) Sclerophyll				Scierophyll	clerophyll		Woodland				
			Dry Dry			Wet Sclerophyll	<b>9</b> /		Shrub Woodland			
	Tem					Dry Sclerophyll			Heath Woodland			
FOR	EST TYP	PE NUMBER(S)	163			Swamp Sclerophyll	D		Tall Woodland			
LOCATION DESCRIPTION 5,16 2 : Castern en						1 0 0 1 60			***************************************			
	- 7 =						5					
	THER		Temperati	***************************************	<del>હ</del> ઉ°C	Relative Humidity		***************************************				
Wind	(1 only f	or all)	Ecalm			i more realitable		] moder-4-	Time 8.30 ≥ / pm			
Rain			☐ light - le ☐ rain duri	aves rusti	e		`	] strong - imi	moves branches pedes progress			
			evidenc	ing survey e of rain in	ı last 24 hr	_ <del></del>		no evidenc	e of rain in the last 24 hrs			
Night	light		very dar	k - no mod	on+cloud							
OBS	ERVAT	ION DETAIL	© dark - oı	uarter mod	on or moon	with heavy cloud	of detail seen - moon and clear seem - moon and clear seem - moon or more and bright - half moon or more and					
DATE	SITE	SPECIES		ORS	COLING	PESPONIOS (See			more and the cloud			
	]			J 555.	COOM	ATE STE SPECIES OBS. COUNT RESPONSE (ESTIMATE)						
	i							Į	the real tappearance, sex, note if coun			
	NO.			TVDE		Dio T	Manae :		an estimate, AMG of S1 or			
	-	11 :		TYPE		DISTANCE	BEA	RING	S2)			
·3	NO.	Kllow bell	ied glider	<del> </del>		DISTANCE			an estimate, AMG of S1 or			
•3	-	Yellow bell	ical glides	<del> </del>	1	<b>7</b> 00 (+/-)			an estimate, AMG of S1 or S2)			
5.3	-	Kllowbell	ial glides	<del> </del>		300m (+/-)			an estimate, AMG of S1 or S2)			
5.3	-	Yellow be H	ical glider	<del> </del>	1	<b>300</b> m (+1.)			an estimate, AMG of S1 or S2)			
5.3	-	Yellow bell	ical glides	<del> </del>		\$00m (+/-) (+/-)			an estimate, AMG of S1 or S2)			
5.3	-	Yellow be H	ial glides	<del> </del>		(+/-) (+/-)			an estimate, AMG of S1 or S2)			
5.3	-	Yellow be H	ical alides	<del> </del>		(+/-) (+/-) (+/-)			an estimate, AMG of S1 or S2)			
5.3	-	Kllowbell	ial glides	<del> </del>		(+/-) (+/-) (+/-) (+/-) (+/-)			an estimate, AMG of S1 or S2)			
5.3	-	Yellow be H	ial glides	<del> </del>		(+/-) (+/-) (+/-) (+/-) (+/-) (+/-)			an estimate, AMG of S1 or S2)			
5.3	-	Yellowbell	ical glides	<del> </del>		(+1-) (+1-) (+1-) (+1-) (+1-) (+1-) (+1-) (+1-)			an estimate, AMG of S1 or S2)			
5.3	-	Yellowbell	ied glides	<del> </del>		(+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-)			an estimate, AMG of S1 or S2)			
5.3	-	Yellowbell	ial glides	<del> </del>		(+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-) (+/-)			an estimate, AMG of S1 or S2)			
5.3	-	Yellowbell	ical glides	<del> </del>		(+1-) (+1-) (+1-) (+1-) (+1-) (+1-) (+1-) (+1-) (+1-) (+1-) (+1-) (+1-) (+1-)			an estimate, AMG of S1 or S2)			

CALL PLAYBACK



# CALL PLAYBACK- SAMPLE REGION

	rater Range 5	ZND DATE	10.3.198	REGION CODE 461
SURVEY NAME	matter lange s		'\\V@#&	COMPT. 68
DETECTION METHOD(S	sharve st	NO. OF PL	AYBACK SITES	<u></u>
	- arouvear manufalls	🖸 diurnal bii	rds	□ other
	☐ nocturnal birds			- oner
DAV		•		***************************************
DAY 1	Start Time: 7:35			· · · · · · · · · · · · · · · · · · ·
Species Targeted S		Y0 5 5 11	inish Time 8:4	15
AMG Report. Site	Easting 424 500	7156, 50 C	alis Played MO	Koglo, YBG SO
COORDINATES 3			Site Easting	1.40,50
BROAD FOREST TYPE	<u> </u>	2	Northing	1 d d a c 2 mm 2 a d a a d a ma d a mad d a mad d a c a d a c a d a d a d a d a d a d
	Rainforest  C Subtropical	Sclerophyll	Woodla	nd
	O Dry	Wet Sclerophyll	☐ Shru	Woodland
70m=2002n02mmq.00mm.00aa.a.a.a.a.a.a.a.a.a.a.a.a.a.a.a	☐ Temperate	☐ Dry Sclerophyll	☐ Heat	n Woodland
FOREST TYPE NUMBER	(S) 163 L	☐ Swamp Scleroph		Voodland
LOCATION DESCRIPTION	1 31te 3: 2.3km do			
,101	K.OKM do	own Dingo Ch	Rd.	
WEATHER Fine				
Wind	Temperature 17	Time 8:0	3 as / pm	
TING	□ calm	☐ moderate	- moves branches	
Rain	E light - leaves rustle	🗆 strong - i	mpedes progress	
	☐ rain during survey ☐ evidence of rain in last 24 i	E TO OVIDO	nce of rain in the last	24 hrs
light light	very dark - no moon+cloud	IVS		
	dark - quarter moon or moo	- y-wii 366	n - moon and clear s	iky
100 mg 1 mg 100mg 1 mg 100 mg	with heavy cloud	oc oright - h	alf moon or more and	d no cloud
AY 2	Start Time:			A 2
pecies Targeted			sh Time	
MG Site	Northing		s Played	
OORDINATES	***************************************	Site	Northing	
ROAD FOREST TYPE	Easting		Easting	7000000 1000000000 10000000000000000000
OF THEST TIPE		Sclerophyll	Woodland	
		☐ Wet Sclerophyll	□ Shrub \	
***********	☐ Temperate	Dry Scierophyll	☐ Heath \	Voodland
PREST TYPE NUMBER(S	)	O Swamp Sclerophyll	D Tall Wo	odland
CATION DESCRIPTION				
	•			
ATHER				
nd	Temperature	Time	am / pm	
nu -	O calm	🛘 moderate -	moves branches	
in	☐ light - leaves rustle	🖸 strong - im	oedes progress	
_	☐ rain during survey ☐ evidence of rain in last 24 hr	□ na evidona	e of rain in the last 2	4 hrs
ht light	O very dark - no moon+cloud	S		
	G dark - quarter moon or moon	□ detail seen	- moon and clear sky	<del>/</del>
	with heavy cloud	u pright - hal	f moon or more and	no cloud
SERVATION DETAIL	S			<del></del>
NO. SPECIES	OBS. RESPON	ISE (ESTIMATE)	NOTES in server	
- NO.	TYPE DISTANC	E BEARING	NOTES ie appearar	ice, sex, etc.
13 66	319/1700 (+1-	,	3.66. sigi	hted before
3 G.G.		<u></u> _	Plan-L- 2	- L 1
1 1/1	0 1	,	- 3 vaca	storted.
· · · · · · · · · · · · · · · · · · ·	Kesponce To		Dacks.	
	, , , , , , , , , , , , , , , , , , , ,	<del></del>	<del></del>	
	(+/-	, ; J 1		



		ION DETAILS		<u></u>		
DAY	NO.	SPECIES	OBS. TYPE	RESPONSE (ES	STIMATE) BEARING	NOTES ie appearance, sex, etc.
1	5	so	colline	800 (+/-)/00	40	So. was played brafly dur
ι	6	Book ook	co Km	J <sub>1</sub>		Play-back, SO. colled ofter K
1	5	Sugar Glider	callin	(+/-)		
	<u> </u>			(+/-)		
2	5	Greater Glider	Sighted	102		
2	5	Boobook	Heard	(+/-)		
2	5	P.O	Heard Call	1km (+/-)100m	120°	Heard call after phylocks completed
				(+/-)		
2	4	Sugarglider	Hoord Call	(+/-)		Heard before playbacks began.
2	4	Sooty one	leand call	600(-/-)	330°	Heard before playbooks begun
2	4	Powerful out	all	400,1(+/-)100	90°	male. Heard ofter MO phyloset
2	4	S.0	Heard	400 (+/-) 100 m	70°	Heard between callborrs.
				(+/-)		
·				(+/-)		
				(+/-)		
				(+/-)		
_				(+/-)		·
_				(+/-)		
				(+/-)		-
				(+/-)		
				(+/-)		
				(+/-)		

SKETCH MAP (INCLUDE DRAINAGE, ROADS AND TRACKS, DISTANCES, BEARINGS) NORTH  $\{TOP\}$ 

### CALL PLAYBACK- SAMPLE REGION

OBSERVER(S)			<u>.                                    </u>
	Klots/Harvey	1ST DATE 10 - 3-	7 8 REGION
STATE FOREST	brotter	2ND DATE 11-3-6	18 CODE 461
		M.A. N. R. R.	COMPT. 66
DETECTION METHOD(S)	re-Harvest	NO. OF PLAYBACK S	TES 2
	Z arboreal mammals	C diurnal birds	C other
	▼nocturnal birds		C Sale
DAY 1	Start Time: 9:10	F	
Species Targeted Sc	06 11	Finish Time	
AMG Site		YBG €Calls Played	All
COORDINATES 4	123/30		sting 422250
	6 /16 X O O	5 No	
BROAD FOREST TYPE	Rainforest Sc	erophyll	rthing 67/6650 Woodland
	L' Subtropical &	Net Scierophyll	☐ Shrub Woodland
	☐ Dry ☐ ☐ Temperate ☐ ☐	Dry Sclerophyll	☐ Heath Woodland
FOREST TYPE NUMBER(S		wamp Scierophyll	☐ Tall Woodland
		636 163a.	
COOK HOW DESCRIPTION	SITE 4: Old logger	g-rood east of	Oaky Rs
		•	<i>5</i> · · · · ·
WEATHER FIRE	Temperature 14°C	Time 9:15	1 nm
Wind	Zcalm	☐ moderate - moves b	1 / pm
	☐ light - leaves rustle	strong - impedes pro	ranches
Rain	☐ rain during survey	no evidence of rain i	n the leat 24 bases
Night light	Devidence of rain in last 24 hrs	_ *** -******	ii die last 24 nrs
vignt light	C very dark - no moon+cloud	detail seen - moon a	nd clear sky
	dark - quarter moon or moon	bright - half moon or	more and no cloud
DAY 2	with heavy cloud		
Species Targeted	Start Time: 7.30 pm	Finish Time	
		Calls Played	MO Vec 1: Co
AMG (REPEAT) Site	Northing 422250		MO,48G,K, SQG
COORDINATES 5	Northing 422250  Easting 6716650	Site Northi	<sup>19</sup> 423150
	Easting 6716650	Site Northi (Repeat) Eastin	9 423150 9 6716200
COORDINATES 5	Rainforest Scle	Site Northi  (Acrent) Eastin	9 6716200 Woodland
COORDINATES 5	Rainforest Scle	Site Northi  (REPERT) Eastin  rophyll  et Sclerophyll	ng 423150 g 6716200 Woodland □ Shrub Woodland
BROAD FOREST TYPE	Rainforest Scle  Subtropical  Dry  Dry	Site Northi  (REPEAT) Eastin  rophyli  et Scierophyli  y Scierophyli	9 423150 9 6716200 Woodland □ Shrub Woodland □ Heath Woodland
COORDINATES 5	Rainforest Scle  Subtropical  Dry  Temperate  Scle	Site Northi  (REPEAT) Eastin  rophyll  et Scierophyll  y Scierophyll  vamp Scierophyll	ng 423150 g 6716200 Woodland □ Shrub Woodland
BROAD FOREST TYPE	Rainforest Scle  G Subtropical D Dry Temperate Scle	Site Northi  (REPEAT) Eastin  rophyli  et Scierophyli  y Scierophyli  vamp Scierophyli  34	Mg 423150  g 6716200  Woodland  ☐ Shrub Woodland  ☐ Heath Woodland  ☐ Tall Woodland
OREST TYPE NUMBER(S) OCATION DESCRIPTION	Rainforest Scle  G Subtropical D Dry Temperate Scle	Site Northi  (REPEAT) Eastin  rophyli  et Scierophyli  y Scierophyli  vamp Scierophyli  34	Mg 423150 g 6716200 Woodland ☐ Shrub Woodland ☐ Heath Woodland ☐ Tall Woodland
OREST TYPE NUMBER(S) OCATION DESCRIPTION OCALS Rd.	Rainforest Scle  Subtropical PW  Temperate OS  SITE S: 600m	Site Northi  REPERT) Eastin  rophyll  et Sclerophyll  y Sclerophyll  vamp Sclerophyll  3b  Bank Hut Ru	9 6716200 Woodland Shrub Woodland Heath Woodland Tall Woodland
OREST TYPE NUMBER(S) OCATION DESCRIPTION OCALS Rd.	Rainforest Scle  Subtropical CW  Dry  Temperate DS  SITE S: 600 m Provents  Temperature 20°C	Site Northi  (REPEAT) Eastin  rophyli  et Scierophyli  y Scierophyli  vamp Scierophyli  36	9 6716200 Woodland Shrub Woodland Heath Woodland Tall Woodland
OREST TYPE NUMBER(S) OCATION DESCRIPTION OCALS Rd.	Rainforest Scle  Subtropical EW  Dry  Temperate DS  SITE S: 600m Proventies  Temperature 20°C	Site Northing Carrent Easting Carrent East Hut Rain East Hut	9 423150 g 6716200 Woodland Shrub Woodland Heath Woodland Tall Woodland
OREST TYPE NUMBER(S) OCATION DESCRIPTION OCALS Rd.	Rainforest Scle  Gausting 6716650  Rainforest Scle  Gausting 6716650  Rainforest Scle  Gausting 6716650  Rainforest Scle  Gausting 6716650  Rainforest Scle  Scle  Gausting 6716650  Rainforest Scle  Scle  Gausting Gaustine Scle  Rainforest Scle	Site Northi  (REPEAT) Eastin  rophyli et Scierophyli y Scierophyli vamp Scierophyli  Time  Time  Time  Soo  Time  Stoo  Stoong - impedes prod	g 6716200  Woodland  Shrub Woodland  Heath Woodland  Tall Woodland  ' Intersect along  pm  Inches  ress
OREST TYPE NUMBER(S) OCATION DESCRIPTION OCALS Rd. VEATHER Fine	Rainforest Scle  Subtropical EW  Dry Temperate DS  Temperature 20°C  Ecalm Clight - leaves rustle	Site Northi  (REPEAT) Eastin  rophyli et Scierophyli y Scierophyli vamp Scierophyli  Time  Time  Time  Soo  Time  Stoo  Stoong - impedes prod	g 6716200  Woodland  Shrub Woodland  Heath Woodland  Tall Woodland  ' Intersect along  pm  Inches  ress
OREST TYPE NUMBER(S) OCATION DESCRIPTION OCALS Rd. VEATHER Fine	Rainforest Scle  Rainforest Scle  Dry Dry Temperate  SITE 5:600 Prov  Temperature  Calm Dight - leaves rustle Drain during survey Devidence of rain in last 24 hrs	Site Northi  (Revent) Eastin  rophyll  et Scierophyll  y Scierophyll  yamp Scierophyll  Slo  Bank Hut Ra  Time 8:00 am  E moderate - moves bra  E strong - impedes prog	y 6716200  Woodland Shrub Woodland Heath Woodland Tall Woodland  'intersect along  pm Inches ress the last 24 hrs
OREST TYPE NUMBER(S) OCATION DESCRIPTION OCATION DESCRIPTION OCATION FINE //EATHER Fine //ind	Rainforest Scle  Rainforest Scle  Dry  Temperate  SITE 5: 600 m  Temperature  Calm  Glight - leaves rustle  rain during survey evidence of rain in last 24 hrs  very dark - no moon+cloud	Site Northi  (Repent) Eastin  rophyll  et Scierophyll  y Scierophyll  vamp Scierophyll  Signary Hut Ra  Time 8:00 am  E moderate - moves bra  E strong - impedes prog  Pho evidence of rain in	g 6716200  Woodland Shrub Woodland Heath Woodland Tall Woodland  ' intersect along  pm inches ress the last 24 hrs
OREST TYPE NUMBER(S) OCATION DESCRIPTION OCAUS Rd. JEATHER Fine Jind ain	Rainforest Scle  Rainforest Scle  Dry Dry Temperate  SITE 5: 600 m  Temperature  Calm Dight - leaves rustle  rain during survey evidence of rain in last 24 hrs very dark - no moon+cloud dark - quarter moon or moon with heavy cloud	Site Northi  (Revent) Eastin  rophyll  et Scierophyll  y Scierophyll  yamp Scierophyll  Slo  Bank Hut Ra  Time 8:00 am  E moderate - moves bra  E strong - impedes prog	y 6716200  Woodland Shrub Woodland Heath Woodland Tall Woodland  ' intersect along  pm inches ress the last 24 hrs
OREST TYPE NUMBER(S) OCATION DESCRIPTION OCALS Rd. //EATHER Fine //ind ght light	Rainforest Scle  Rainforest Scle  Dry Dry Temperate  SITE 5: 600 m  Temperature  Calm Dight - leaves rustle  rain during survey evidence of rain in last 24 hrs very dark - no moon+cloud dark - quarter moon or moon with heavy cloud	Site Northi  (Repent) Eastin  rophyll  et Scierophyll  y Scierophyll  vamp Scierophyll  Signary Hut Ra  Time 8:00 am  E moderate - moves bra  E strong - impedes prog  Pho evidence of rain in	g 6716200  Woodland Shrub Woodland Heath Woodland Tall Woodland  ' intersect along  pm inches ress the last 24 hrs
OREST TYPE NUMBER(S) OREST TYPE NUMBER(S) OCATION DESCRIPTION OCAUS Rd. //EATHER Fine /ind ain ght light  B SERVATION DETAILS AY SITE SPECIES	Rainforest Scle    Subtropical   PW   Dry    Site Northi  (REPEAT) Eastin  rophyli et Scierophyli y Scierophyli y Scierophyli  Time 8:00 am  E moderate - moves bra E strong - impedes prog  Tho evidence of rain in  E detail seen - moon an E bright - half moon or in	g 6716200  Woodland Shrub Woodland Heath Woodland Tall Woodland Tall Woodland  ' Intersect along  pm Inches ress the last 24 hrs  d clear sky more and no cloud	
OREST TYPE NUMBER(S) OCATION DESCRIPTION OCALS Rd. //EATHER Fine //ind ght light	Rainforest Scle    Subtropical   PW   Dry    Site Northi  (REPEAT) Eastin  rophyli et Scierophyli y Scierophyli y Scierophyli  Time 8:00 and  I moderate - moves bra I strong - impedes prog I fo evidence of rain in  I detail seen - moon an I bright - half moon or i	g 6716200  Woodland Shrub Woodland Heath Woodland Tall Woodland  ' intersect along  pm inches ress the last 24 hrs	
OREST TYPE NUMBER(S) OREST TYPE NUMBER(S) OCATION DESCRIPTION OCAUS Rd. //EATHER Fine /ind ain ght light  BSERVATION DETAILS NO.	Rainforest Scle    Subtropical   PW   Dry    Site Northi  (REPEAT) Eastin  rophyli et Scierophyli y Scierophyli y Scierophyli  Signate Hack Ra  Time 8:00 and  E moderate - moves bra  E strong - impedes prog  Tho evidence of rain in  E detail seen - moon an  E bright - half moon or in  ESTIMATE) NOTES in	g 6716200  Woodland Shrub Woodland Heath Woodland Tall Woodland Tall Woodland  ' Intersect along  pm Inches ress the last 24 hrs  d clear sky more and no cloud	
OREST TYPE NUMBER(S) OREST TYPE NUMBER(S) OCATION DESCRIPTION OCAUS Rd. //EATHER Fine /ind ain ght light  BSERVATION DETAILS NO.	Rainforest Scle    Subtropical   PW   Dry    Site Northi  (REPEAT) Eastin  rophyli et Scierophyli y Scierophyli y Scierophyli  Signate Hack Ra  Time 8:00 and  E moderate - moves bra  E strong - impedes prog  Tho evidence of rain in  E detail seen - moon an  E bright - half moon or in  ESTIMATE) NOTES in	g 6716200  Woodland Shrub Woodland Heath Woodland Tall Woodland Tall Woodland  ' Intersect along  pm Inches ress the last 24 hrs  d clear sky more and no cloud	
OREST TYPE NUMBER(S) OCATION DESCRIPTION OCAUS Rd. JEATHER Fine Jind ain Ight light BSERVATION DETAILS AY SITE SPECIES NO. 4 Booloo	Rainforest Scle  Rainforest Scle  Subtropical PW  Dry  Temperate Ds  Temperature 20°C  Calm  Glight - leaves rustle  rain during survey evidence of rain in last 24 hrs very dark - no moon+cloud dark - quarter moon or moon with heavy cloud  S  OBS. RESPONSE TYPE DISTANCE	Site Northi  (REPEAT) Eastin  rophyli et Scierophyli y Scierophyli y Scierophyli  Signate Hack Ra  Time 8:00 and  E moderate - moves bra  E strong - impedes prog  Tho evidence of rain in  E detail seen - moon an  E bright - half moon or in  ESTIMATE) NOTES in	g 6716200  Woodland Shrub Woodland Heath Woodland Tall Woodland Tall Woodland  ' Intersect along  pm Inches ress the last 24 hrs  d clear sky more and no cloud
OREST TYPE NUMBER(S) OREST TYPE NUMBER(S) OCATION DESCRIPTION OCAUS Rd. //EATHER Fine /ind ain ght light  BSERVATION DETAILS NO.	Rainforest Scle  Rainforest Scle  Subtropical PW  Dry  Temperate Size  Size Size Size  Size Size Size  Temperature Size  From Provided Size  Fro	Site Northi  (REPEAT) Eastin  rophyli et Scierophyli y Scierophyli y Scierophyli  Signate Hack Ra  Time 8:00 and  E moderate - moves bra  E strong - impedes prog  Tho evidence of rain in  E detail seen - moon an  E bright - half moon or in  ESTIMATE) NOTES in	g 6716200  Woodland Shrub Woodland Heath Woodland Tall Woodland Tall Woodland  ' Intersect along  pm Inches ress the last 24 hrs  d clear sky more and no cloud
OREST TYPE NUMBER(S) OCATION DESCRIPTION OCAUS Rd. JEATHER Fine Jind ain Ight light BSERVATION DETAILS AY SITE SPECIES NO. 4 Booloo	Rainforest Scle  Rainforest Scle  Subtropical PW  Dry  Temperate Ds  16  SITE S: 600 m Prov  Temperature 20°C  Valm  Ight - leaves rustle  Drain during survey  evidence of rain in last 24 hrs  very dark - no moon+cloud  dark - quarter moon or moon with heavy cloud  S  OBS. RESPONSE  TYPE DISTANCE  Ks Calling (+/-)20  Calling 10Km	Site Northi  (REPEAT) Eastin  rophyli et Scierophyli y Scierophyli y Scierophyli  Signate Hack Ra  Time 8:00 and  E moderate - moves bra  E strong - impedes prog  Tho evidence of rain in  E detail seen - moon an  E bright - half moon or in  ESTIMATE) NOTES in	g 6716200  Woodland Shrub Woodland Heath Woodland Tall Woodland Tall Woodland  ' Intersect along  pm Inches ress the last 24 hrs  d clear sky more and no cloud



# SCATS - NORTHERN RIVERS REGION

STATE FO	ORFST A	(-1) 11 0		T			
OBSERV	ER(S)	Sibralter Ru	<u> 46 - </u>	M.A.	Nihn	Rivers	COMPT. 68
COCKV	,		-	DATE	4.3	5.198	REGION
SURVEY	NAME (	crues / R Herkel	<u> </u>			- / (j	CODE 461
DETERM	TANNE (	is-lamest scal	<u> </u>	_ ري			TRANSECT LENGTH 1.5%
DETECTI- METHOD		1 Km road transect (	per 200 ha ni	et logging a	area		1.26
		<u>-</u>		00 8			
BROAD F	IABITAT	Rainforest		Sclero	phyll		Woodland
		D Cubbanian			-	•••••	· · · · · · · · · · · · · · · · · · ·
		□ Subtropical □ Dry		. ☑ Wet	Sclero	phyll	☐ Shrub Woodland
		☐ Temperate		Dry S	Scierop	ohyll	☐ Heath Woodland
FOREST		*****************		- D Swai	np Sci	erophyll	☐ Tall Woodland
NUMBER	(S)		•				
AMG	Sta	rt Easting	<del></del>	Finis	:	<u> </u>	• <u> </u>
		425	100	h	Easti	ung u	
COORDIN	NATE	1 NOTHER				4246	J. <u>&amp;_O</u>
S		: 671	5130	:	North	6715	
Location [	Description	on Dingo fireti				0113	000
						• • • • • • • • • • • • • • • • • • • •	
Time Star	t 8.00	Time Finish 10	70	. T-4-1 T			
SAMPLE	DETA	) AM		Total T	ravel T	ime	Species Targeted fields
		20				•	
	SAMPL	SPECIES	ÖBS	PROBA	ARILI	ANALYST	LYSIS ATTACHED? YES / NO
CE	EID		TYPE	T		ANALISI	NOTES
Κm	1		scat	STAT			1
1711			or in scat	1 = de 2 = pro			ļ
<del></del>	<u> </u>	 	SCal	3 = pos	ssible		·
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	<del> </del>	<b></b>		Rullus S	<del>r'</del>	I -	
1.25	1	fredator scat with	اعدائم	2. Denn Prechator	رزاست	Bourds. Triggs	
	· •	Die fragments	<del></del>	L		1	
1:4		fredations - log rand.	_ Scot	که کاری محج دید	يت ليمو	14/Harring	Too discompanied he called
		Echidna ocat		<del></del>		<del> </del>	Too decomposed to at that for a hour up
1.45		-516126 3000	Scrit	۱۰ Defin	مانو م	he havey/ R. Hertelets	
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SKETCHA	AD (1514)		<u> </u>	<u> </u>			<u> </u>
MOST	nr (INCLL	JDE DRAINAGE, ROADS AI	ND TRACKS	, DISTAN	CES, B	EARINGS)	
NORTH [TOP]						•	•
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# SCATS - NORTHERN RIVERS REGION

STATE FO	REST (	Sibralter Range 5	۲	M.A. Nth	Rivers	COMPT. 66	
OBSERVE	K(2)	•		DATE		REGION	
SURVEY	Har		<u>-5</u>	<u> </u>	3.198	CODE 461	
		te-harvest	<u> </u>			TRANSECT LENGTH IKM	
DETECTION METHOD(	S)	1 Km road transect pe	r 200 ha ne	et logging area			
BROAD H	ABITAT	Rainforest		Sclerophyll		Woodland	
		☐ Subtropical		☑ Wet Sclero	phyll	: □ Shrub Woodland	
		☐ Dry ☐ Temperate		☐ Dry Sclerop ☐ Swamp Scl	ohyll Issaaball	☐ Heath Woodland	
FOREST T	YPE		********	: D Swamp Sci	eropnyll	☐ Tall Woodland	
NUMBER(		63 b	· <u>-</u> <u>-</u>				
AMG	Sta			Finish East	•		
COORDIN	ATE	423 <i>0</i> 70 Northing	•	4	42249	50	
S		6715 550		Norti	hing 67163	<del>6</del> 00	
Location D	escriptio	Along Oak	4 Rd	For Ika		southern end of the	
		campatago	4.05	0000 AAE	that Dans	RA \	
Time Start	<u>9.15</u>	Am: Time Finish 10-1	5 <sub>Am</sub>	Total Travel 1	ime	Species Targeted Redators	
SAMPLE	DETAI	LS		·		The same in the same is	
DISTAN	SAMPL	SPECIES	OBS	PROBABILI	ANALYST	LYSIS ATTACHED? YES / NO	
CE	E ID		TYPE	TY	ANALYSI	NOTES	
	cmpt.		scat	STATUS		1	
	90	·	or in scat	1 = definite 2 = probable			
			-	3 = possible	<u> </u>		
100m	1	Unknown	Scat		27.	Hairy scat with	
					B. Triggs	bone Rugments	
400m		Poloroo diggings	<u>                                     </u>	3	K Harvey	Funnel-shood diggin	
650m		Red belly blaken (incldental sigh	re (	_	]	- <del> </del>	
2 -	$\overline{}$	Chicaental Bigh	benes		<del> </del>		
- 200 <sup>w</sup>	7	Dog Scat	Scat	1.	B. Trigas	many bone-fragments	
820m	3			3. Possible		Strull with all teeth present	
- PAUM		Skull + skeledon		Sucoletique.	B.T	and claw.	
		or orrander, sp.	} ,				
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SKETCH	D (INCLU	IDE DRAWAGE CO.	<b>L</b>	<u> </u>			
NORTH	ir (intoliu	DE DRAINAGE, ROADS AND	TRACKS	, DISTANCES, B	EARINGS)		
TOP 1							



## SCATS - NORTHERN RIVERS REGION

STATE F	OREST C	Sibraltar Range		T 84 A		<del></del> -	
OBSERV	ER(S)	zibraltar Range	<u> </u>	M.A.		ino	COMPT. 68
N.Dou	alas			DATE		રુ- <del>-</del>	REGION
SURVEY	NAME		<del></del>	<u> </u>	<del></del>	<u>518</u>	CODE 461
DETECTI	_			<del></del> _			TRANSECT LENGTH 1-3 k
METHOD	(S)	1 Km road transect	per 200 ha ne	et logging a	area		
BROAD H	IABITAT	Rainforest		Sclero	phyll		Woodland
		☐ Subtropical		□Wet	Sclero		
		□ Dry		D Dry	Scleror	phyli	☐ Shrub Woodland
FOREST	7VDE	☐ Temperate	***********	□ Swa	mp Scl	lerophyll	☐ Heath Woodland ☐ Tall Woodland
NUMBER	(S)				••••••		i i i i i i i i i i i i i i i i i i i
AMG	Start			Finis	Facti	<u> </u>	<u> </u>
		4-23-40	0	h	Easti		
COORDIN	VATE	Northing 67 - 75 - 750		1	Nadi	-24-450	
S		<b>o</b>	į	Nortr	hing 14 - 800		
Location [	Description	1			<u> </u>	17 - 300	
Time Start	<del></del>	Time Finish		· _ ·			
SAMPLE				Total T	ravel T	'ime	Species Targeted
DISTAN	FAMOU T					ΔΝΔ	I Veie ATTACHE
CE	SAMPL E ID	SPECIES	OBS	PROB/	ABILI	ANALYST	LYSIS ATTACHED? YES I NO NOTES
<u> </u>			TYPE	רד	1		ROIES
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SKETCH MA	AB (INCLUD				]		
NORTH	AP (INCLUD	E DRAINAGE, ROADS A	ND TRACKS	, DISTAN	CES, BE	EARINGS)	



STATE FO	OREST Gibro	utar Ra	unge		МΔ		Cas	,—-					
I OBSERVI	FR/S)		<del></del>				ROM 3					8	
N. bour	glas, K. Harver	y, N.Harve	y, R.Herk	-lots.	DAT			. 7			EGION	+61	
SURVEY							CENSUS	NIGHT	<u> </u>		ODE	+ 61	
DETECTION	ON METHOD(S)	√harp trap	,		• trip								
		• bat sonar			• mist net						• observed		
AMG .		Easting 4-2	3.900		SPECIES TARGETED						- other		
COORDIN		Northing 67-15			OI L								
BROAD H	ABITAT TYPE	Rainforest			Sder	mh	vil						
i		<ul> <li>Subtropical</li> </ul>	***********	ī			z:: derophyli	1	*************		dland	***************************************	
	,	- Dry			1 Dr	y Sc	derophyll	•			rub Woodlan eath Woodlan		
EODEST :	TYPE NUMBER(S)	<ul> <li>Temperate</li> </ul>	****	i	- Sw	/amj	Sclerop	hyli			all Woodland	id	
		163 B						*********	*********	<u> </u> <u>:</u> -	1100018110		
LOCATIO	N DESCRIPTION	SITE	1			_			_				
						-	*****	********	********	******		***************************************	
	R (census = 1 night)		Census 1	Censu	ıs 2	Ce	nsus 3	Censu	s4 C	ensus 5	Census 6	Census 7	
Date	<u> </u>		3-3-98	4.3-	98						55.7523 0	Octions /	
Temperatu			18°C	18°0	2	_						<u> </u>	
Relative H	<u>'</u>			-									
	surements Taken	<u> </u>	8:30pm	7:4	Opm	_							
	alm (2) light (3) moder		1	2									
nrs (	uring survey (2) eviden (3) no evidence of in la	st 24 hrsj	2	3					<del>-  </del>				
Night light	((1) very dark (2) dark (4) bright)	(3) detail seen	2	2					<del>-                                    </del>				
CAPTUR	E / SAMPLE DE	TAILS		-									
DATE	SPECIES			Sex		ight	F-arm	Field	Compi	Ilson not	es laca here		
					(gm	is)	Length	No.		-ioui ji noti	cs (age, bree ———	ding, appearance)	
3-3-98	Nil.		•		·	ŀ							
4-3-98	Ni)												
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STATE FOREST Giba	utar 6	20.000		M.A.		C=0					
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DETECTION METHOD(S)	✓ harp trap				p line						
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AMG	Easting 4	-24-25								other	***************************************
COORDINATES	Northing 67	124 25	<u></u>	SEE	CIES	TARGE	ELFD				
BROAD HABITAT TYPE	Rainforest	17-200	<u> </u>	Sder		H					
	- Subtropical		······································	• W	et Sc	elerophyl	 1	*******		odland	
	• Dry			- Dr	y Sc	lerophyll				hrub Woodlai leath Woodlai	nd nd
FOREST TYPE NUMBER(S)	• Temperate	··		· Sv	vamr	Sclero	ohy/I			all Woodland	
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WEATHER (census = 1 night)										b	
Date (Census = 1 night)		<u> </u>	Censu	:	:	nsus 3	Censu	s 4	Census 5	Census 6	Census 7
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COORDINATES	Marking	24.44	<u> </u>	SPECIES TAP	RGETED				
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SURVEY	NAME O	NH			DATE		6 · 3 ·			EGION ODE 4	61
	ON METHOD(S)	agging.	Sune	$\sim$	NO. O	CENSUS	NIGHT	s ,	10	OUE 7 8	<del>57  </del>
0010011	ON METHOD(S)	Vharp trap	·	0	• trip li					Observed	
1110		Soat-senar			- mist	net					
AMG		Easting 4-2	100	<u> </u>	SPECII	ES TARGE	ETED		<del>,</del>	other	***************************************
COORDIN		Northing 67	-16-550	<b>5</b>					,		
BROADH	ABITAT TYPE	Rainforest			Sclerop	hyll	<del></del>	·	Woo	diand	
		Subtropical     Dry		İ	Wet	Sclerophyl		******		Trub Woodlar	nd
			ļ	• Swar	Sclerophyll np Sclero	abudi -		• H	eath Woodlar		
	TYPE NUMBER(S)					inp occero	Janyu	**********	• Ta	il Woodland	·
LOCATIO	N DESCRIPTION	Mile R	che k	200	-1	12	<u> </u>	<u> </u>	<u> </u>		<del></del>
		ne a		<del></del>			$\pi u \rho$	S 01	11/15	site)	······································
	R (census = 1 night)		Census 1	Censu	ıs 2	ensus 3	Censu	s A Con	sus 5	C	
Date	- <u></u> -		10:3	11-3-			-	J Con	303 3	Census 6	Çensus 7
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	surements Taken .		8.30	8:10	pm			<del></del> -			
	alm (2) light (3) mode		2	2							<del></del>
nrs	uring survey (2) eviden (3) no evidence of in la	st 24 hrs]	3	3		•					
Night light	((1) very dark (2) dark (4) bright]	(3) detail seen	3	3.							
CAPTUR	E / SAMPLE DE	TAILS	<u> </u>								
DATE	SPECIES		<del></del>	Sex	Weigh	t F-arm	Field	Compula			
,					(gms)		No.	Computs	ory not	es (age, bree	ding, appearance)
/o-3-98	Kerivoula	· papu	ensis.	F	8	35					
	Kerivoula Vespadelu	s regu	Lus.	Μ	4	33					
- 11	Vespadeli	is regul	lus.	Σ	4.5	32	·				
ļi	Chalinolox			2	8	38					·
11:3	chalinglob	us Mor	<i>;</i> 0	m				<del></del>			
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STATE FO	REST Giba	Har Ra	nge		T								
OBSERVE	R(S)		.30		M.A. CASINO COMPT.  DATE FROM 4-3-98 REGION						OMPT.	68/72.	
SURVEY N	Diglas, N.	Harvey.			DA	TE TO	4	+-3- •7	98	_ 1 '	FGION	+61	
	N METHOD(S)				NO. OF CENSUS NIGHTS								
Defection	METHOD(2)	<ul> <li>harp trap</li> </ul>				p lines	_						
		✓bat sonar				ist net					observed		
AMG		Easting 4-2	27.750				500			<u> </u>	olher	***********************	
COORDINA	ATES	Northing 67-	14 700	***********	SPECIES TARGETED								
BROAD HA	BITAT TYPE	Rainforest	14 - 100			1 11					_		
		<ul> <li>Subtropical</li> </ul>	*****************			rophyll et Sclero	nhu		*******		odland		
1		• Dry			• Di	y Sclero	ohvil	 		- S	hrub Woodla eath Woodla	nd .	
FOREST T	OREST TYPE NUMBER(S) /6 3 /3					vamp Sc	eroj	phyll		• T	ali Woodland	nd I	
	DESCRIPTION							_		***************************************	*************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		SITE	<u> A.</u>	0	ak	u i	Ro	ad	_				
WEATHER	(census = 1 night)					J				**********************	*************	*******************************	
Date	(cerisus - r night)		Census 1	Cens	us 2	Census	3	Censu	ıs 4	Census 5	Census 6	Census 7	
Temperature		<del></del>	4-3-98								OCTION O	Census /	
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(4) Tright again	l) very dark (2) dark (; ) bright]	) detail seen	2										
CAPTURE	/ SAMPLE DE	AILS	۷.										
DATE	SPECIES	7.120		Sex	Wei	ght F-ar		<u></u>	_				
					(gm			Field No.	Co	mpulsory not	es (age, bree	ding, appearance)	
4-3-98 4	Chalin	<del>olohu c</del>	ا المحمد					110.	-				
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43-98/	Prob. Chalin	olobus m	ه مه				1						
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OBSERVER(S) N. Harvey.	• ••,			IRST DATE AST DATE		- 98	REG	ION , ,	
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SURVEY NAME				\Ca.	Sinc	<u> </u>	СОМ	PT. 68	
DETECTION METHOD(S)	qst qısh ü			IO. OF CENS	US NIGI	HTS	l .	· <u> </u>	
				trip lines			Ū cbs	erved	·
	2 bat scnar		Ξ	mist net			⊡oihi	-	
AMG	<del></del> -						- Oth	er er	
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COCRDINATES	Northing 67	-16-20	20						
EROAD FOREST TYPE	Rainfcrest		Sclercph	vil					
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	□ Dry		12 Dry Sc	ercphyli	į		ub Wooda		
OREST TYPE MUMBERS	☐ Temperate		☐ Swamp	Sclerephyll		□ Tali	ath Woodla Woodland	ind I	
OREST TYPE NUMBER(S)		3					77000000110	· · · · · · · · · · · · · · · · · · ·	
OCATION DESCRIPTION	SITE	B. T	Dingo	Coox	<u>;</u>				
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ate		<del></del>			Censu	ıs 4	Census 5	Census6	Census
emperature			5.795	/					<del></del>
me Measurements Taken		18°C	18-	-					<u> </u>
		7.40 pm			<del>                                     </del>	<del></del>			
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SURVEY NAME Pre	aging Si	Artio V		NO.	OF C	ENSU	NIGHT	<u>.</u> _		ODE 4	61	
DETECTION METHOD(S)	harp trap	<u> </u>					Mon	<del>-</del>			<u> </u>	
				• trip lines						· observed		
AMG	bat sonar			· mist net · other								
COORDINATES	Easting 4.2	4.490	,	SPE	CIES	TARG	TED					
	Northing 67	· 14 · 80c	`									
BROAD HABITAT TYPE	rainiorest			Scle	rophy	/11						
47-A-163-B	<ul> <li>Subtropical</li> </ul>					lerophy	 	·····		diand	**************	
	- Dry		į	@ Dr	y Scl	erophyl				nrub Woodlar eath Woodlar		
FOREST TYPE NUMBER(S)	Temperate		<u> </u>	• Sv	vamp	Sclero	ohyll			III Woodland	id	
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	site c					Θ			~ ,70	acı.	***************************************	
WEATHER (census = 1 night)		Census 1	Cens	บร 2	Cer	nsus 3	Censu	e A	Census 5	0 -		
Date		5.3.98	<u>:                                      </u>				001130	37	Censing 2	Census 6	Census 7	
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Relative Humidity	·	10 C	<u> </u>				<u> </u>					
Time Measurements Taken			<del> </del>									
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Rain ((1) during survey (2) evidence hrs (3) no evidence of in las	29 of in last 24 # 24 hm1	1										
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(4) bright]	o) detail seen	2		į								
CAPTURE / SAMPLE DE	TAILS							!				
DATE SPECIES	IAILS		Sex	l Wa	ight	F						
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.5.98 Prob Cha				+	╧		INO.	<del>-</del> -	<del></del> -			
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Prob Cha	. 4	,					,					
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OBSERVER(S)	4 4 4 1		┷	DATE	COS1	<u>200</u>				.6
SURVEY NAME Pre - L DETECTION METHODIS)	M H	<del>_</del>		DATE	FROM /	2 . 3	.9	6 1	REGION C	161
DETECTION METHOD(S)	754108	Schoe	$\Rightarrow \bot$	NO, (	OF CENSUS	NIGHT	S	1		
	· harp trap		0	• trip	lines			<del>-</del>	observed	
···	• at sonar			• mis	st net			•		
AMG	Easting Cy -	22.05							other	**********************
COORDINATES	Northing 67	Z (1.02)	2	SPEC	IES TARGE	ETED				
BROAD HABITAT TYPE	Rainforest	· 14·00								
	Subtropical			Scien	phyli			Wo	odland	
	• Dry			We	t Sclerophy	[		·s	hrub Woodia	nd
500505	<ul> <li>Temperate</li> </ul>		· '	COIN Swi	Scierophyll amp Scierop	n la vett		٠H	leath Woodla	nd
FOREST TYPE NUMBER(S)	163B				amp acteror	эпуц		<u> </u>	all Woodland	
LOCATION DESCRIPTION	Mile	Ridge	<u>_</u>		<del>-,</del> -					
(	5,te D.	17000	Re	200	<u></u>					
WEATHER (census = 1 night)	JAC 13.	-								********
Date		Census 1	<u></u>	s 2	Census 3	Censu	s 4	Census 5	Census 6	Census 7
Temperature		10.3.98								Octions /
		14.					<del>- i</del>		<del> </del>	<del></del>
Relative Humidity				7					<del>!</del>	<u></u>
Time Measurements Taken .		9.3cm		$\dashv$					<del> </del>	
Wind ((1) calm (2) light (3) modera	ite (4) strong)	2		<del>-                                    </del>						
Rain (1) during survey (2) evidence	madia la series		<u> </u>							
	t 24 hrs]	3		į			İ			
Night light ((1) very dark (2) dark (	3) detail seen			<del>-</del>						
(4) bright]		3					İ			·
DATE   SPECIES	TAILS			<u>`</u>						
DATE SPECIES	_		Sex	Weig		Field	Cor	noulcon, per		
				(gms	) Length	No.	301	irbaisorà UGI	es (age, bree	ding, appearance
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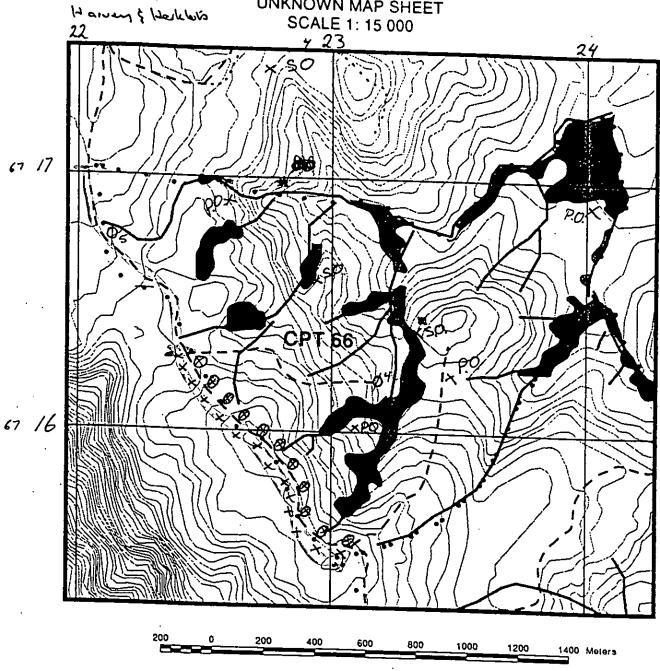
### GLEN INNES DISTRICT HARVEST PLAN OPERATIONAL MAP **COMPARTMENT 66** GIBRALTAR RANGE STATE FOREST

**UNKNOWN MAP SHEET** 

3/4 Mar 199 8

SCALE 1: 15 000



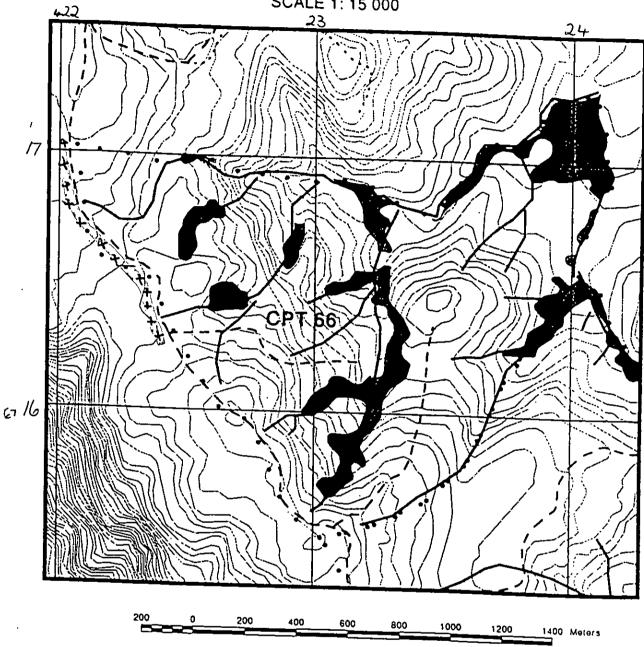


BOUND	ARIES		•		
****	State Forest Boundary			_	TTES OR LANDINGS
	Compartment Boundaries			Ō	Temporary Dry Temporary Wet
	Natural Surface Sealed or Gravelled	иои наі	RVEST AREAS	WATER	COURSES & DRAINAGE
	Four wheel drive PRESCRIPTIONS	×	Flora and Fauna Protect Historical Values		External Drainage
	Harvestable Area	Posterior (	Slopes likely over 30 degrees Rainforest	<del>~</del>	Approved Crossings Internal Drainage
	000: Scat Trans	ect.	P.O Powerful	0 ml.	-
,	XXX From Transe	c+:	- 1	0~1	
	9: 'play-back		-		

### GLEN INNES DISTRICT: 10 Chapter HARVEST PLAN OPERATIONAL MAP **COMPARTMENT 66** GIBRALTAR RANGE STATE FOREST UNKNOWN MAP SHEET



SCALE 1: 15 000



### BOUNDARIES

State Forest Boundary

Compartment Boundaries

ROADS

Natural Surface

Scaled or Gravelled

Four wheel drive

NORMAL PRESCRIPTIONS

Harvestable Area

NON HARVEST AREAS

Flora and Fauna Protect

Historical Values

Slopes likely over 30 degrees

Rainforest

DUMP SITES OR LANDINGS

0 Temporary Dry

⊡ Temporary Wet

WATERCOURSES & DRAINAGE

- External Drainage

Approved Crossings

Internal Drainage

XX = Driving Frog transect



### AMPHIBIAN SOUTH EAST REGION

SIAT	E FORE	ST SIBON	alder 5 F		M.A. COSINO		COMPT.				
OBSE	RVER(S	<b>)</b>			DATE 5. 3. 98	<u> </u>	REGION	66			
SURV	EY NAN	- 17 13	мн				CODE 461				
DETE	CTION	METHOD(S)	ogging sur	veb			NO. OF PLAY	BACK SITES			
""	CHON	WE 1 HOD(S)	☐ call playback		spotlight - foot transect		□ other				
<u> </u>			Spotlight - vehicular (	transect	spotlight - foot search		•	•			
		ST TYPE	Rainforest		Sclerophyll		Woodland				
[ one o	choice o	uiy j	□ Subtropical		☐ Wet Sclerophyll	**********************	☐ Shrub Wood	·····			
			□ Dry		Dry Scierophyll.		☐ Heath Wood				
			☐ Temperate		☐ Swamp Sclerophyll		☐ Tall Woodla				
CENS	=		Start Time:	~~	Finish Time: 9.0	).S. o.					
Specie	es Targe	eted				Calls Played	Total Travel Ti	me 25 minuler			
			911			Calls Played	N/A				
SITE(	S) - AMC	Zone	Easting 4 · 2 2 ·	45	~	nr.	500/7				
COOR	DINATE	· ·	Northing 67.16	72.	<u></u>	(If transect	Easung 4.	22.090			
LOCA	TION D	SCRIPTION		<u> </u>	<u> </u>	record finish)	Northing. 67	1.16.000			
ĺ			kly Roac	_1							
Neare	st knowr	water body	kly Roac	٢		· <del></del> -					
Distan			☐ Pond		□ Swamp		☐ Soak / Seep	age			
[in met		km.	□ Pong □ Dam		☐ River		□ Road				
WEAT					☐ Stream/Creek (flowing	? yes□ / no□]	Other	***************************************			
Wind			Temperature / ¼ ·		Relative Humidity		Time 9	am / pm			
			_ ☑ caim _ ☑ light - leaves rustle			☐ moderate -	moves branches	3			
Rain			Errain during survey		_ <del></del>	Strong - imp	pedes progress	<u> </u>			
AP-340			evidence of rain in I		S	CHIO ENIGENCI	e of rain in the la	ist 24 hrs			
Night li	gnt		very dark - no moor	1+cloud		O detail seen	- moon and clea	ır skv			
000			dark - quarter moon	or moon	with heavy cloud	□ bright - hal	f moon or more :	and no cloud			
0831	RVA	TON DETAI	ILS overleaf? P	AGE _	OF						
DATE	DIST	ON DETAIL	<u> </u>								
DAIL	DIST	SPECIES	•	OBSER HELD	VATION TYPE - TALLY	********************		NOTES			
- >	_		· · · · · · · · · · · · · · · · · · ·		OBSERVED }	IEARD	TOTAL				
2.24	~ 965	Lachrio	dus-fletchei	1			1				
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### AMPHIBIAN SOUTH EAST REGION

STATE FOREST	bral	ter Rame Si	F	M.A. N.K~ A	ive	<u> </u>	COMPT.	66		
OBSERVER(S)	Horas	ter Range 31 ey/R Heald	-le	DATE	10	^	REGION			
SURVEY NAME	10 ch	arvest	<u> </u>	2.5	<u>. I</u>	X	NO OF P	461 LAYBACK SITES —		
DETECTION METHO	OD(S)	☐ call playback		spotlight - foot tr	ansect	<u>.                                 </u>	Other	CATBACK SITES -		
		Spotlight - vehicular tr	ransect	spotlight - foot se			u orner			
BROAD FOREST TY	<u>:</u> /PE	Rainforest	-	Sclerophyll		<u> </u>				
[ one choice only ]	Ĩ	☐ Subtropical	************	Wet Sclerophy		***************************************	Woodland			
		Dry .		☐ Dry Sclerophyl			☐ Shrub Woodland.			
		☐ Temperate		☐ Swamp Sclero			☐ Heath Woodland. ☐ Tall Woodland.			
CENSUS		Start Time:		Finish Time:			Total Trav			
Species Targeted		All frogs		· ·		Calls Played		- Tillo		
Į.	one	Easting 423	07	0		{If transect	Easting	422450		
COORDINATES		Northing 6715	555	0	,	record finish)	Northing	6716300		
LOCATION DESCRI	PTION F	Hona Oalry 6	} <sub>A</sub> C	he I lens	Cas			end of the compt.		
		<del></del>		<u> </u>		~ · · · · · · · · · · · ·	» (° C4 - )	i end of the confor.		
Nearest known water	body	□ Lake		□ Swamp		-	☐ Soak / S	Seepage		
Distance to	į	☐ Pond		□River			Road			
[in metres]		☐ Dam		☐ Stream/Creek	(flowing	]? yes□ / no□]	□ Other .	***************************************		
WEATHER		Temperature 18°	<u>C</u>	Relative Humidity	<u> </u>		Time am / pm			
Wind ☐ calm  Solight - leaves rustle						☐ moderate - r				
Rain	<u> </u>	☐ rain during survey		<del> </del>		☐ strong - imp ☐ no evidence				
		evidence of rain in I	ast 24 hr	S + STORM	comi	No Chache	Or rath in t	11C 1d51 24 1115		
Night light		☐ very dark - no moon ☐ dark - quarter moon				☐ detail seen	moon and	clear sky		
ORSERVATION	DETAI					⊔ bright - half	moon or m	nore and no cloud		
OBSERVATION		LS overleaf? P	AGE _	OF						
	CIES	<u> </u>	OBSER	RVATION TYPE - TA	ПУ			Liorea		
			HELD	OBSERVED	********	HEARD	TOTAL	NOTES		
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### AMPHIBIAN SOUTH EAST REGION

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0	COMPT.	68

STAT	E FORE	ST Gibon	Hac Page		M.A. COSIO		700	
OBSE	RVER(S	)	na kange					68
SURV	Dowe EY NAM	icas,	Har Range N. Harvey		DATE 3-3-98		REGION (	+61
		/ETHOD(S)	<del></del>				NO. OF PLAY	BACK SITES
"	CHON	WE I LOD(2)	☐ call playback		spotlight - foot transect		☐ other	
			spotlight - vehicular	transect	spotlight - foot search		***************************************	
	D FORE choice or	ST TYPE	Rainforest		Sclerophyll		Woodland	
Louer	AIOICE UI	ııy ş	☐ Subtropical		☐ Wet Sclerophyll		☐ Shrub Wood	dland.
			□ Dry		D Dry Sclerophyll.		☐ Heath Wood	
CENS	HC	·	☐ Temperate		☐ Swamp Sclerophyll	-	☐ Tall Woodla	
$\vdash$		lad	Start Time: 8:30	pn	Finish Time: 9:50	pm	Total Travel Ti	ime 1h 20 min.
	es Targe		All			Calls Played	-	
	S) - AMG	Zone	Easting 4-23	- 2	20	[If transect	Easting 4	24-500
	RDINATE		Northing 67 - 15	- /C	O .	record finish	Northing (7 -	16-200
LOCA	TION DE	SCRIPTION				i rooma minan		16 - 200
2.3	km_				•			
Neare	st known	water body	□Lake		☐ Swamp		□ Cook / Cook	
Distan		3	☐ Pond		□River		☐ Soak / Seep ☐ Road	age
[in me	tres) c	200m	□ Dam		Stream/Creek (flowing	n? ves⊟ / no⊠		•
WEAT	HER	<u> </u>	Temperature 18°	·C	Relative Humidity -	·		30 <b>349</b> /@m)
Wind			12 calm		·	☐ moderate	- moves branche	33 <del>84</del> (0)  )
Rain			☐ light - leaves rustle			strong - in	npedes progress	
			☐ rain during survey  ☑ evidence of rain in	last 24 hr	•	🗆 no eviden	ce of rain in the la	est 24 hrs
Night I	ight		O very dark - no moor	n+cloud		□ detail see	n - moon and clea	ar alu
<del></del>			☑ dark - quarter moor			□ bright - h	alf moon or more	and no cloud
OBS	ERVAT	ION DETA	ILS overleaf ? P	AGE _	<u> </u>			
DATE	DIST	ON DETAIL	<u>s</u>	OBSEC	IVATION TYPE - TALLY			
		0. 20.20		HELD	OBSERVED	HEARD	TOTAL	NOTES
3-2-98	5	Litoria	lesueuri	1 ~			TOTAL	<u> </u>
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# AMPHIBIAN SOUTH EAST REGION

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STAT	E FORES	ST G	Lea He	- Para		M.A.	1100		COMPT.	10
OBSE	RVER(S	)	.,	er narig	ج		<u>N. R. R</u> 3-3-9	<del>-</del>	REGION	58
SURV	EY NAM	- Hane	bralta y Her	Klots				<u> </u>	CODE 4	61
<u></u>		METHOD(S)	Horre						NO. OF PLAYE	ACK SITES
ן טבייב	0110111	11100(3)	□ call play			Spot	light - foot transec	t	□ other	
			Spotlight	vehicular tra	nsect	Spot	light - foot search		***************	
•		ST TYPE	Rainforest			Sclero	phyll		Woodland	
Loue o	choice or	ıı <b>y</b> j	□ Subtropi	cal		☐ Wei	Sclerophyll	***************************************	☐ Shrub Wood	land.
1			□ Dry			D Dry	Sclerophyll.		☐ Heath Wood	
<u> </u>	<del> </del>		☐ Tempera	ale		□ Swa	amp Sclerophyll.		☐ Tall Woodlar	
CENS			Start Time:		0	Finish	Time: 10:10	0	Total Travel Tir	
Specie	es Targe	ted		8:50				Calls Played		
All	spec	cies								•
SITE(	S) AMG	Zone	Easting	4233	50			[If transect	Easting / 0	4.5
COOF	RDINATE	S	Northing	6715	***********	<u>~</u>	**********************	record finish	T.	4300
LOCA	TION DE	SCRIPTION (	old Ro	+ha		fork	s 07	Dingo		14800 and
			goes	South			•	5111-50	· · · · · · · · · · · · · · · · · · ·	
Neare	st known	water body	□ Lake		_	□ Swa		-	□ Soak / Seepa	200
Distan	ice to		☐ Pond			☐ Rive			□ Road	age
[in me	tres]		D Dam					no2 unost /	;	•
WEAT	HER /	10.0	Temperatu	re / 8		Relati	ve Humidity	ng r yesou / no⊔	] □ Other	
Wind			₩ calm	<u>·</u>				C) moderate	- moves branches	
<u> </u>			☐ light - lea	aves rustle		_			npedes progress	
Rain			🗆 rain duri					□ no eviden	ce of rain in the la	st 24 hrs
Night	light			of rain in la		<u> </u>				•
L	9			iarter moon (		with he	avv cloud	☐ detail see	n - moon and clea	rsky
OBS	ERVA	TION DETA						C bright - 11	alf moon or more a	and no cloud
		ION DETAIL								<del></del>
DATE	DIST	SPECIES	<u> </u>		OBSER	VATION	TYPE - TALLY			Lucze
<u> </u>	<u> </u>	<u> </u>			HELD	***********	BSERVED	HEARD	TOTAL	NOTES
3-3-98	}	4//								
3378	<del> </del> -	Wil Sp.	ecies	5/9/11	ed	0>	Heard	Thre	ough out	+ke
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# AMPHIBIAN SOUTH EAST REGION

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STAT	E FORE	ST Cabon	Har Range		MA. COSIO		- A	
OBSE	-114514	o) .				)	COMPT. 6	
SURV	/EY NAM	- ND	NH		DATE 4.3.98		REGION 4 6	
DETE	CTION	METHOD(S)					NO. OF PLAYE	
וטבונ	CHON	METHOD(2)	□ call playback		spotlight - foot transect		□ other	
<u> </u>			spotlight - vehicular to	transect	spotlight - foot search			
		ST TYPE	Rainforest		Sclerophyll	· <u> </u>	Woodland	***************************************
1	choice or	• •	☐ Subtropical		☐ Wet Sclerophyll	14 14 1 00 00 14 14 14 14 14 14 14 14 14 14 14 14 14	☐ Shrub Wood	
17	L3 A	<b>\</b>	□ Dry -	• •	D Dry Sclerophyll,		☐ Heath Wood	
		<u> </u>	☐ Temperate		☐ Swamp Sclerophyll		☐ Tall Woodlar	
CENS			Start Time: /o· 30	OPM	Finish Time: 11. P		Total Travel Ti	<del></del>
Specia	es Targe	ted		<del></del>	<u> </u>	Calls Played	10101 118761 111	ne
	~				•			
	S) - AMG	ZONE	Easting 4 . 2 <u>3</u>	<u>- 2</u>	20	[If transect	Easting (4. )	~ •
<u></u>	RDINATE		Northing 67 ·	15.	/00	record finish)	Northing (7	3. <b>8</b> 00
LOCA	TION DE	SCRIPTION			<del></del>	: record mush);	trountia P L	14.3500
	<u> </u>	<u>oat</u>	ey Road	•	•		•	
Neare	st known	water body	□Lake	•	☐ Swamp		70.110	·
Distan	ce to		☐ Pond				☐ Soak / Seepa	age
[in me	tres) 5	00m	□ Dam			· · · · · ·	□ Road	•
WEAT	HER		Temperature /8		Stream/Creek [flowing Relative Humidity	g?yes⊔ / nov⊴j:		***************************************
Wind			☑ calm		Noisure Hermany	□ modomto	Time 10. 3	See / pm
			☐ light - leaves rustle			□ strong - imr	moves branches pedes progress	
Rain			☐ rain during survey			2 no evidence	e of rain in the la:	at 24 hrs
Night I	light		☐ evidence of rain in I: ☐ very dark - no moon		<u> </u>			
			dark - quarter moon		with heavy doud	D detail seen	moon and clear	sky
OBS	ERVAT	ION DETA	ILS overleaf? PA	ACE	/ OE /	wongni - nam	moon or more a	nd no cloud
OBSE	RVAT	ION DETAIL	6	10L	<u></u>			<del></del>
DATE	DIST	SPECIES	<u> </u>	OBSER	VATION TYPE - TALLY			
				HELD		HEARD	TOTAL	NOTES
د4٠3		41.1				<del></del>	TOTAL	
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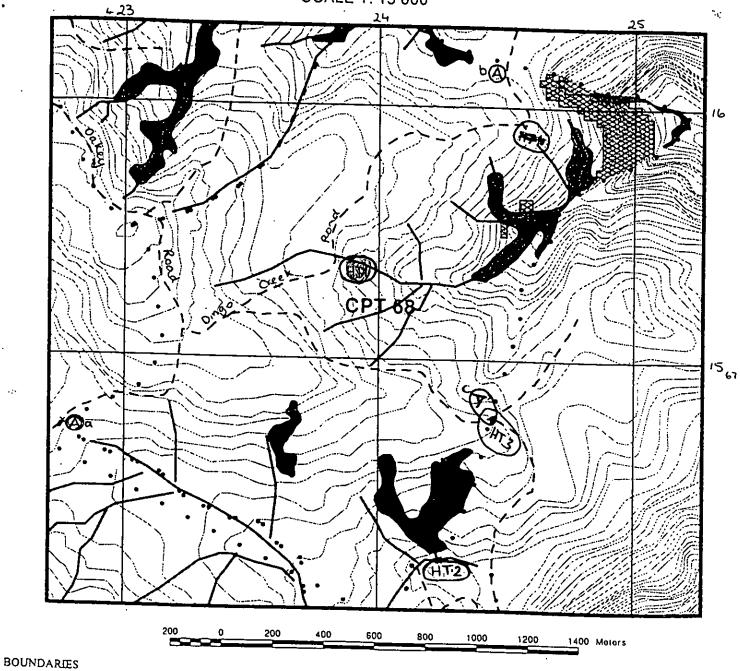
## CONTRACT HARVEST PLAN OPERATIONAL MAP COMPARTMENT 68 -

GIBRALTAR RANGE STATE FOREST

Dongles | Harren | Howard | Bookleto UNKNOWN MAP SHEET SCALE 1: 15 000

3/4 May 1998





#### DUMP SITES OR LANDINGS State Forest Boundary 0 Temporary Dry Compartment Boundaries ⊡ Temporary Wet ROADS Natural Surface NON HARVEST AREAS WATERCOURSES & DRAINAGE Sealed or Gravelled Four wheel drive Flora and Fauna Protect External Drainage NORMAL PRESCRIPTIONS Historical Values Approved Crossings Harvestable Area Slopes likely over 30 degrees Internal Drainage Rainforest

Harp Trap Site.

Anabat Sonar Site



Western and

## AMPHIBIAN SOUTH EAST REGION

OREST Subor 14	ar SF		M.A. Casino	<u> </u>	COMPT. C	8
R(S) - N 10	·		DATE 4.3.9		REGION	
NAME Q	<u> </u>		<u> </u>		CODE C	+61
ON METHOD(S)	88 mg - Pee P	<del>cocling</del>			NO. OF PLAY	BACK SITES
	Call playback		spotlight - foot trans		□ other	<del></del>
2007 2000	spotlight - vehicular t	transect	Z spotlight - foot searc	±h .	************	
OREST TYPE te only )	Rainforest		Scierophyll		Woodland	
	☐ Subtropical		☐ Wet Sclerophyll		☐ Shrub Woo	dland.
5	□ Dry	:	Dry Sclerophyll.		O Heath Woo	dland.
	☐ Temperate		□ Swamp Sclerophy		☐ Tall Woodl	and.
rantad	Start Time: 10-Pr	<u>~</u>	Finish Time: 10.	30pm	Total Travel 1	<del></del>
argeted				Calls Played		
<u> </u>						
AMG Zone	Easting 4-23-	900		[If transect	Easting	
ATES	Northing 67.15	. 400		record finish	Northing	***************************************
DESCRIPTION					<u> </u>	
			•	5		
own water body	☐ Lake		☐ Swamp	4	Soak / See	nana
)	☐ Pond	:	□:River		□ Road	page
	□ Dam		Stream/Creek [flo	wing? ves⊟ / ng⊠	E .	
\	Temperature 18		Relative Humidity	a. 1ean 11106		10 20 / 20
<del></del>	Ø calm			O moderate	- moves branche	.3° sea / bw
	O light - leaves rustle			□ strong - in	npedes progress	
	rain during survey evidence of rain in	lact 24 b	<del></del>	☐ no eviden	ce of rain in the I	ast 24 hrs
		はない ノム カバく				
				□ datail co-		
	D very dark - no moor dark - quarter moor	n+cloud n or moon v		☐ detail see. ☑ bright - In	moon and cle	ar sky
ATION DETAI	D very dark - no moor dark - quarter moor	n+cloud n or moon v		☐ detail see. ☑ brìght - h	moon and cle	ar sky and no cloud
ATION DETAILS	□ very dark - no moon □ dark - quarter moor ILS overleaf? P	n+cloud n or moon v		☐ detail see. ☑ brìght - In	n moon and cle all moon or more	ar sky and no cloud
/ATION DETAILS	□ very dark - no moon □ dark - quarter moor ILS overleaf? P	n+cloud n or moon v AGE		☑ bright - h	n moon and cle all moon or more	and no cloud
ATION DETAILS	□ very dark - no moon □ dark - quarter moor ILS overleaf? P	n+cloud n or moon v	OF	☑ bright - h	moon and cle if moon or more	ar sky and no cloud NOTES
ATION DETAILS ST SPECIES	□ very dark - no moon □ dark - quarter moor ILS overleaf? P	n+cloud n or moon v AGE	OF	☑ bright - In	Af moon or more	and no cloud
ATION DETAILS	□ very dark - no moon □ dark - quarter moor ILS overleaf? P	n+cloud n or moon v AGE	OF	☑ bright - In	Af moon or more	and no cloud
ATION DETAILS ST SPECIES	□ very dark - no moon □ dark - quarter moor ILS overleaf? P	n+cloud n or moon v AGE	OF	☑ bright - In	Af moon or more	and no cloud
ATION DETAILS ST SPECIES	□ very dark - no moon □ dark - quarter moor ILS overleaf? P	n+cloud n or moon v AGE	OF	☑ bright - In	Af moon or more	and no cloud
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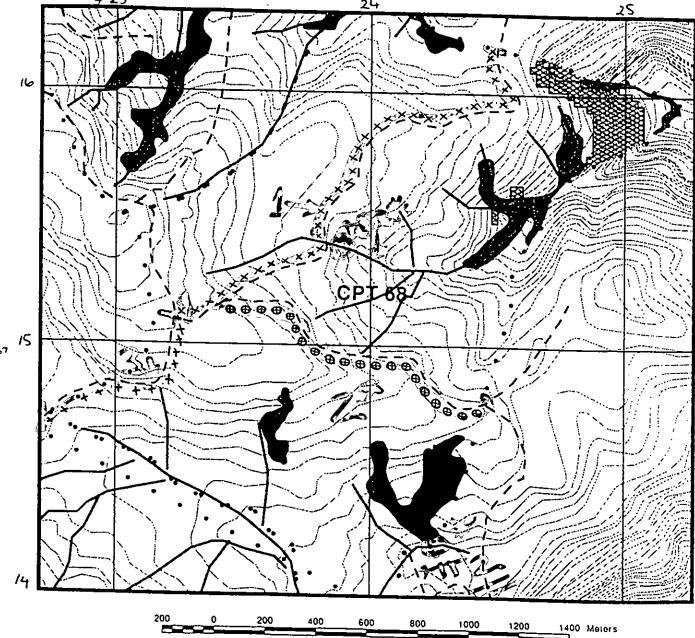
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#### STATE & GLEN INNES DISTRICTED A HARVEST PLAN OPERATIONAL MAP COMPARTMENT 68 GIBRALTAR RANGE STATE FOREST **UNKNOWN MAP SHEET**



SCALE 1: 15 000



NON HARVEST AREAS

Flora and Fauna Protect

Slopes likely over 30 degrees

Historical Values

Rainforest

#### BOUNDARIES

State Forest Boundary

Compartment Boundaries

ROADS Natural Surface

Sealed or Gravelled Four wheel drive

NORMAL PRESCRIPTIONS

Harvestable Area

● ● ● Gcal Transect. xxx Frog Transect

#### DUMP SITES OR LANDINGS

0 Тетрогату Dry

0 Temporary Wei

WATERCOURSES & DRAINAGE

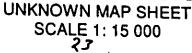
External Drainage

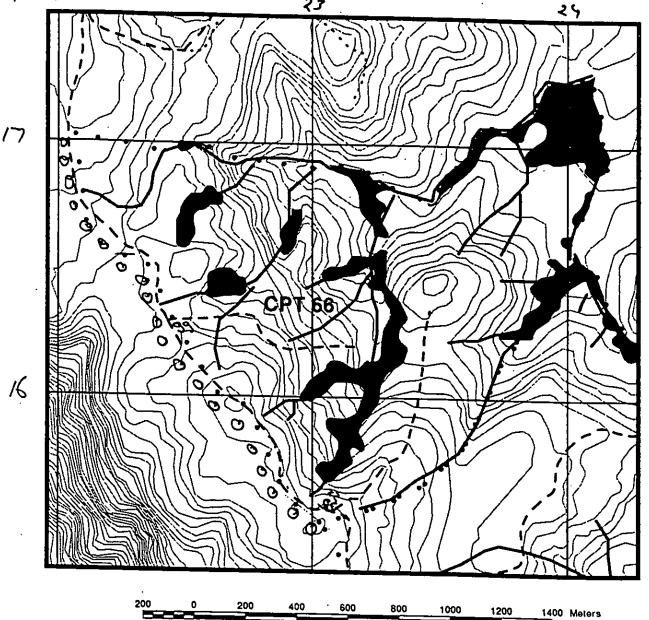
Approved Crossings

Internal Drainage

## GLEN INNES DISTRICT HARVEST PLAN OPERATIONAL MAP **COMPARTMENT 66**

GIBRALTAR RANGE STATE FOREST





#### **BOUNDARIES**

State Forest Boundary

Compartment Boundaries

ROADS Natural Surface

Scaled or Gravelled Four wheel drive

NORMAL PRESCRIPTIONS

Harvestable Area

NON HARVEST AREAS

Flora and Fauna Protect

Historical Values

Slopes likely over 30 degrees

Rainforest

#### DUMP SITES OR LANDINGS

- 0 Temporary Dry
- Temporary Wet

## WATERCOURSES & DRAINAGE

External Drainage

Approved Crossings

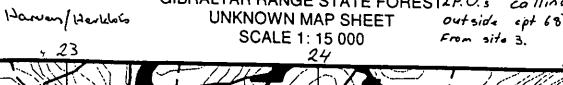
Internal Drainage

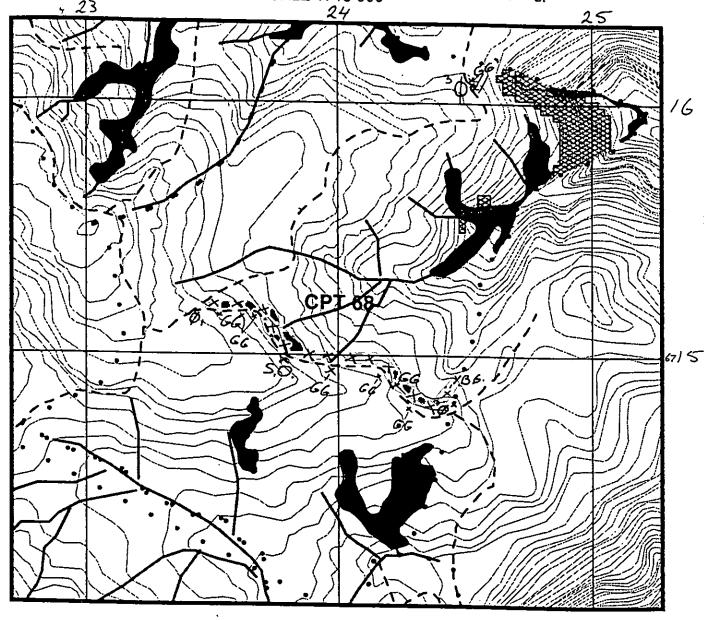
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## **GLEN INNES DISTRICT** HARVEST PLAN OPERATIONAL MAP

**COMPARTMENT 68** 

GIBRALTAR RANGE STATE FOREST2P.O.s calling





**BOUNDARIES** 

State Forest Boundary

Compartment Boundaries

3 mm 98

ROADS

Natural Surface Scaled or Gravelled

Four wheel drive

NORMAL PRESCRIPTIONS

Harvestable Area

NON HARVEST AREAS

400

200

Flora and Fauna Protect

600

Historical Values Slopes likely over 30 degrees

Rainforest

DUMP SITES OR LANDINGS

1400 Meters

0 Temporary Dry

1200

⊡ Temporary Wet

WATERCOURSES & DRAINAGE

**External Drainage** 

**Approved Crossings** 

Internal Drainage

Ø = call play-back.

Y.B.G. =

S.O. : Sooty Owl

800

1000

GG: Grater Glider

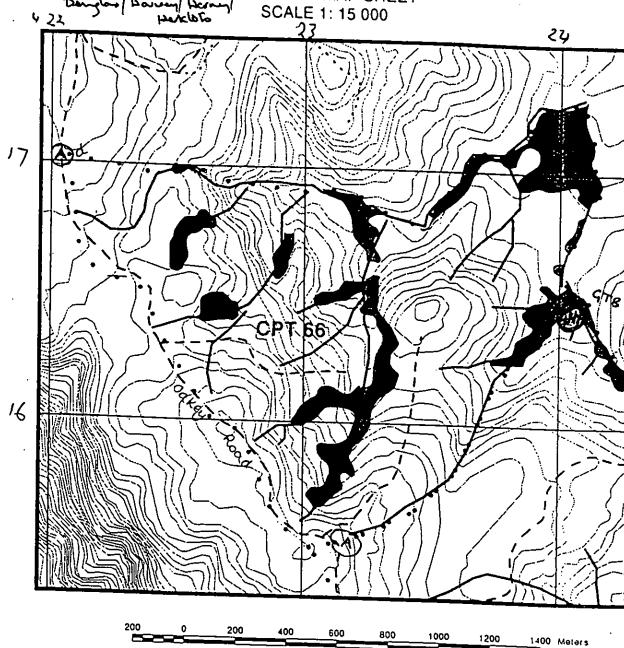
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#### GLEN INNES DISTRICT HARVEST PLAN OPERATIONAL MAP COMPARTMENT 66

GIBRALTAR RANGE STATE FOREST

UNKNOWN MAP SHEET





#### BOUNDARIES

State Forest Boundary

Compartment Boundaries

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ROADS

67

Natural Surface Scaled or Gravelled

Four wheel drive

NORMAL PRESCRIPTIONS

Harvestable Area

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#### NON HARVEST AREAS

Flora and Fauna Protect Historical Values

60:00 Slopes likely over 30 degrees

Rainforest

## DUMP SITES OR LANDINGS

0 Temporary Dry

 $\odot$ Temporary Wet

WATERCOURSES & DRAINAGE

- External Drainage

Approved Crossings

Internal Drainage

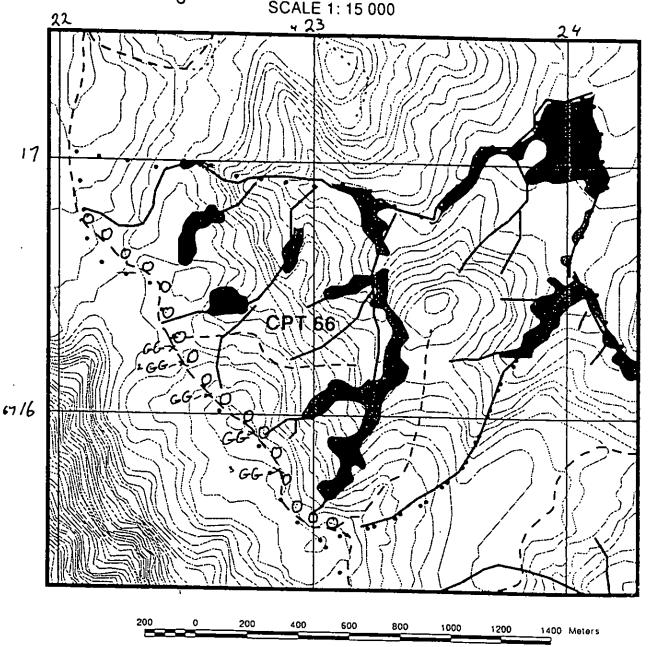
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GLEN INNES DISTRICT
HARVEST PLAN OPERATIONAL MAP
COMPARTMENT 66

11 Mar 1998

GIBRALTAR RANGE STATE FOREST

Herklob Harvey UNKNOWN MAP SHEET



#### **BOUNDARIES** DUMP SITES OR LANDINGS State Forest Boundary Temporary Dry Compartment Boundaries Temporary Wet **ROADS** Natural Surface NON HARVEST AREAS WATERCOURSES & DRAINAGE Sealed or Gravelled Four wheel drive Flora and Fauna Protect External Drainage NORMAL PRESCRIPTIONS Historical Values Approved Crossings Slopes likely over 30 degrees Harvestable Area Internal Drainage Rainforest

000: Walking spotlight Transect.

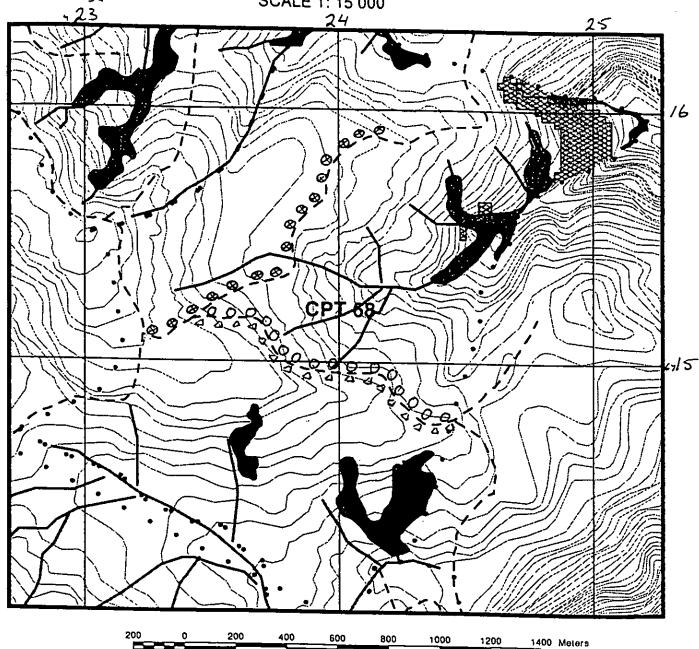
GG = Greater Glider.

#### **GLEN INNES DISTRICT** HARVEST PLAN OPERATIONAL MAP **COMPARTMENT 68** GIBRALTAR RANGE STATE FOREST



3/4 May 1998 Hanenglitekler

**UNKNOWN MAP SHEET** SCALE 1: 15 000



#### **BOUNDARIES** DUMP SITES OR LANDINGS State Forest Boundary 0 Temporary Dry Compartment Boundaries Temporary Wet ROADS Natural Surface NON HARVEST AREAS WATERCOURSES & DRAINAGE Scaled or Gravelled Four wheel drive Flora and Fauna Protect External Drainage NORMAL PRESCRIPTIONS Historical Values Approved Crossings Harvestable Area Slopes likely over 30 degrees Internal Drainage

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BOUNDARIES

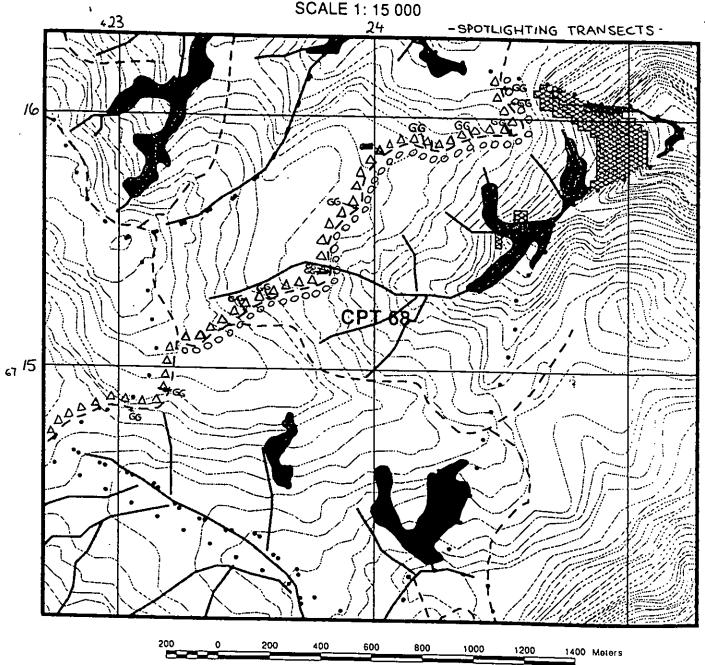
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HARVEST PLAN OPERATIONAL MAP
COMPARTMENT 68
GIBRALTAR RANGE STATE FOREST
UNKNOWN MAP SHEET





#### **DUMP SITES OR LANDINGS** State Forest Boundary 0 Temporary Dry Compartment Boundaries 0 Temporary Wet ROADS Natural Surface NON HARVEST AREAS WATERCOURSES & DRAINAGE Scaled or Gravelled ----- Four wheel drive Flora and Fauna Protect External Drainage NORMAL PRESCRIPTIONS Historical Values Approved Crossings Harvestable Area Slopes likely over 30 degrees Internal Drainage Rainforest AAA Driving Spotlight transect

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