

Vincentia Concept Plan – Volume 2

Species Impact Statement

Stockland Development Pty Ltd

February 2006

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Delivering sustainable solutions in a more competitive world



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Signed:	
Date:	<u>February, 2006</u>
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Position:	Project Director
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Date:	<u>February, 2006</u>

Environmental Resources Management Australia Pty Ltd Quality System

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This report was prepared in accordance with the scope of services set out in the contract between Environmental Resources Management Australia Pty Ltd ABN 12 002 773 248 (ERM) and the Client. To the best of our knowledge, the proposal presented herein accurately reflects the Client's intentions when the report was printed. However, the application of conditions of approval or impacts of unanticipated future events could modify the outcomes described in this document. In preparing the report, ERM used data, surveys, analyses, designs, plans and other information provided by the individuals and organisations referenced herein. While checks were undertaken to ensure that such materials were the correct and current versions of the materials provided, except as otherwise stated, ERM did not independently verify the accuracy or completeness of these information sources

Stockland Development Pty Ltd

Vincentia Masterplan -
Volume 2
Species Impact Statement

February 2006

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Australia**

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INTRODUCTION

Environmental Resources Australia Pty Ltd (ERM) was commissioned by Stockland Developments Pty Ltd to prepare a Species Impact Statement (SIS) for a proposed development at Vincentia, NSW.

The site covers approximately 127 hectares with both residential and commercial development proposed at the subject site. The data sheets within Volume 2 contain the raw data from the SIS surveys and accompany Volume 1 *Vincentia Masterplan Species Impact Statement*. The SIS surveys were undertaken between October to February with the main studies concentrated between 24 November to 5 December 2003.

BIRDS

Survey Details - Ground Parrot

VINCENTIA 0011282



Name of surveyor

Branden Haywood

Contact number

8584 8837

Number of surveyors

1

Date of survey

24/11/03

Total effort expressed in person hours

1 person hr

Number of hectares covered or transect or point dimensions

point 400m-radius

Location Details

Location description

SPS on Commercial Site

Map number

9027-4-N

Map name

Huskinson

Full AMG reference(s) for survey site or transect

AMG Zone

56

Start details

Finish details

Easting (6 digits)

286730

Easting (6 digits)

Northing (7 digits)

6116150

Northing (7 digits)

Start time (24hr)

20:00 pm

End time (24 hr)

2100

Weather Details

At start of survey, record:

Cloud cover*

8/8

Wind direction and speed*

1

Rain*

2

Temperature (°C)

not recorded

Moon*

N/A

Comments

Cold, windy + rainy

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
<i>Pezoporus wallicus</i>	W		286700, 6116060	

* See Appendix 1: Standard reporting codes

Survey Details

GROUND PARROT

VINCENTIA 0011282



Name of surveyor

W1

Contact number

8584 8874

Number of surveyors

1

Date of survey

24.11.03

Total effort expressed in person hours

1 pers hr.

Number of hectares covered or transect or point dimensions

1 point 400 m rad.

Location Details

Location description

Commercial site corner of heathland

Map number

9027-4-N

Map name

HOSKISSON

Full AMG reference(s) for survey site or transect

AMG Zone

56

Start details

Finish details

Easting (6 digits)

2864804

Easting (6 digits)

Northing (7 digits)

6157000

Northing (7 digits)

Start time (24hr)

2000

End time (24 hr)

2100

Weather Details

At start of survey, record:

Cloud cover*

8/8

Wind direction and speed*

1 direction not recorded (South)

Rain*

2

Temperature (°C)

not recorded

Moon*

N/A

Comments

3m from orchid stake Green 4/4

Cold, rainy + windy

Species name	Ob. type	MH type	Grid reference (full AMG)	Accuracy
None				

* See Appendix 1: Standard reporting codes

Survey Details

AROUND PARROT

VINCENTIA 0011282



Name of surveyor

Branden Haywood

Contact number

Number of surveyors

1

Date of survey

25/11/03

Total effort expressed in person hours

1 person hr

Number of hectares covered or transect or point dimensions

point 400m - radius

Location Details

Location description

near easement on commercial site

Map number

9074-4-N

Map name

HUSKINSON

Full AMG reference(s) for survey site or transect

AMG Zone

50

Start details

Finish details

Easting (6 digits)

286500

Easting (6 digits)

Northing (7 digits)

6115700

Northing (7 digits)

Start time (24hr)

04:45 am

End time (24 hr)

05:45 am

Weather Details

At start of survey, record:

Cloud cover*

8/8

Wind direction and speed*

1

Rain*

2

Temperature (°C)

not recorded

Moon*

N/A

Comments

cold, windy + rainy.

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
None				

* See Appendix 1: Standard reporting codes

Survey Details

Eastern Bluebird

VINCENTIA 0011282



Name of surveyor

Branden Haywood

Contact number

85848837

Number of surveyors

1

Date of survey

25/11/03

Total effort expressed in person hours

2

Number of hectares covered or transect or point dimensions

30m x 500m transect (15 min)
2 call playbacks x 30m listening along transect.**Location Details**

Location description

East of Moona Creek rd - Residential

Map number

9027-4-N

Map name

HUSKINSON

Full AMG reference(s) for survey site or transect

AMG Zone

50

Start details

Finish details

Easting (6 digits)

286300

Easting (6 digits)

286600

Northing (7 digits)

6116150

Northing (7 digits)

6116400

Start time (24hr)

0550

End time (24 hr)

0750

Weather Details

At start of survey, record:

Cloud cover*

Wind direction and speed*

1

Rain*

2

Temperature (°C)

not recorded 16° Moon*

N/A

Comments

cold, windy + rainy

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
none				
Square-tailed Kite	O	AC	286400, 6116200	
Yellow-tailed Black-Cockatoo	W			

* See Appendix 1: Standard reporting codes

Survey Details

BRISTLEBIRD

VINCENTIA 0011282



Name of surveyor

Will Intrans

Contact number

8584 8888

ERM

Number of surveyors

1

Date of survey

25-11-03

Total effort expressed in person hours

2 hrs

Number of hectares covered or transect or point dimensions

300m + 2 pt calls at 100m x 200m 30min each pt call playback

Location Details

Location description

Far north western corner, open woodland shrub cover 20%

Map number

9027-4-N

Map name

Huskisson

Full AMG reference(s) for survey site or transect

AMG Zone

56

Start details

Finish details

2

Easting (6 digits)

285500

Easting (6 digits)

285520

Northing (7 digits)

6116400

Northing (7 digits)

611670.

Start time (24hr)

5.57

End time (24 hr)

7.55

Weather Details

At start of survey, record:

Cloud cover*

7/8

Wind direction and speed*

1 south

Rain*

2

Temperature (°C)

16°

Moon*

N/A.

Comments

Raining lightly but sun is out!
Cool, gentle breeze.

Species name	Ob. type	MH type	Grid reference (full AMG)	Accuracy
* 30min listening: Friarbird	H			
Sulphur-crested Cockatoo H, O				
Woel	H			
Crimson Rosella	H, O			
* 1st call playback 6.50am + listen for 30min				
Friarbird	H			
Thornbill	O			
Peewee	H			
Curey Fantail	H			

* See Appendix 1: Standard reporting codes

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

Survey Details

GROUND PARROT

VINCENTIA 0011282



Name of surveyor Will Introna Contact number 8584 8874
 Number of surveyors 1 Date of survey 25.11.03
 Total effort expressed in person hours 1 hr Number of hectares covered or transect or point dimensions point survey

Location Details

Location description SPS on Commercial site.
 Map number 9027-4-N Map name HUSKISSON
 Full AMG reference(s) for survey site or transect AMG Zone 56
 Start details Finish details
 Easting (6 digits) 2867400 Easting (6 digits)
 Northing (7 digits) 6116150 Northing (7 digits)
 Start time (24hr) 18:00 End time (24 hr) 20:00

Weather Details

At start of survey, record: Cloud cover* 5/8
 Wind direction and speed* S 1.9ms⁻¹ 2 Rain* 1
 Temperature (°C) 14.6°C Moon* -
 Comments Rainy patches rain 20:35-20:45 heavy then cleared.

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
20:09 <i>Pezomachus wallicus wallicus</i>	W	IR	286760 6116500	
20:12 " " "	W	IR	" "	
20:13 " " "	W	IR	" "	
20:16 " " "	W	IR	" "	
20:18 " " "	W	IR	286650 6116100	
20:34 " " "	W	IR	" "	
<i>Litoria peroni, Litoria signifera, Litoria dentata, Litoria greyi, Litoria</i>				

* See Appendix 1: Standard reporting codes

Square-tailed kite seen over Moona Creek (C) 17-45

Survey Details

GROUND PARROT

VINCENTIA 0011282
ERM

Name of surveyor Will Introna Contact number 8584 8874
Number of surveyors 1 Date of survey 25.11.03
Total effort expressed in person hours 1 person hr Number of hectares covered or transect or point dimensions point 400m - radius

Location Details

Location description SPS on Commercial Site
Map number 9027-4-N Map name HUSKISSON
Full AMG reference(s) for survey site or transect AMG Zone 56.
Start details Finish details
Easting (6 digits) 286730 Easting (6 digits)
Northing (7 digits) 6116150 Northing (7 digits)
Start time (24hr) 04:56 End time (24 hr) 05:55

Weather Details

At start of survey, record: Cloud cover* 8/8
Wind direction and speed* 1 direction(s) not recorded Rain* 2
Temperature (°C) not recorded Moon* N/A
Comments cold, windy, rainy easing off in patches

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
<i>Pezoporus wallicus wallicus</i>	W #		2867500 6116300	Heard clearly ✓
" "	W #		2866300 6116300 6116000	Faint + far away - response
<i>Crinia signifera</i>				
<i>Litoria freycineti</i> (?)				

* See Appendix 1: Standard reporting codes

Survey Details

BRISTLEBIRD

VINCENTIA 0011282



Name of surveyor

Brandon Haywood

Contact number

8584 8888

Number of surveyors

1

Date of survey

26-11-03

Total effort expressed in person hours

1hr

Number of hectares covered or transect or point dimensions

400m transect

Location Details

Location description

South east of Moons Creek Rd.

Map number

9027-4-A

Map name

Huskisson

Full AMG reference(s) for survey site or transect

AMG Zone

56

Start details

Finish details

Easting (6 digits)

286300

Easting (6 digits)

286601

Northing (7 digits)

6116344

Northing (7 digits)

6116399

Start time (24hr)

05-55

End time (24 hr)

0.800

Weather Details

At start of survey, record:

Cloud cover*

4/8

Wind direction and speed*

1 South

Rain*

0

Temperature (°C)

12.3°C

Moon*

N/A.

Comments

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
Nil records				

* See Appendix 1: Standard reporting codes

Survey Details

Name of surveyor

Will Ingrams

Contact number

8584 8874

ERM

Number of surveyors

1

Date of survey

26.11.03

Total effort expressed in person hours

1 hr

Number of hectares covered or transect or point dimensions

400m transect.play back point call at 300m + 100m for 30minLocation Details

Location description

North western woodland

Map number

9027-4-N

Map name

HOSKISSON

Full AMG reference(s) for survey site or transect

AMG Zone

S6.

Start details

Finish details

Easting (6 digits)

2854700

Easting (6 digits)

285566

Northing (7 digits)

6116450

Northing (7 digits)

6116994

Start time (24hr)

05:55

End time (24 hr)

0800Weather Details

At start of survey, record:

Cloud cover*

4/8

Wind direction and speed*

1 SSW

Rain*

0

Temperature (°C)

12.3°C

Moon*

N/A

Comments

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
300m point call			285544 6116921	
White-throated Treecreeper	W		" "	
Friarbird	W		" "	
Grey Fantail	W		" "	
100m point call				
Friar bird	W	CC	285519 6116790	
Grey Fantail	W	UC	" "	
Sulphur-crested Cockatoo	OW	AC	" "	✓

* See Appendix 1: Standard reporting codes

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

Survey Details

AROUND PARROT

VINCENTIA 0011282



Name of surveyor

Branden Hayward

Contact number

8584 8888.

ERM

Number of surveyors

1

Date of survey

26-11-03

Total effort expressed in person hours

1hr

Number of hectares covered or transect or point dimensions

400m (pt) radius.

Location Details

Location description

SPS Commercial site

Map number

9027-4-N

Map name

Huskinson

Full AMG reference(s) for survey site or transect

AMG Zone

56

Start details

286730

Finish details

Easting (6 digits)

611650

Easting (6 digits)

Northing (7 digits)

Northing (7 digits)

Start time (24hr)

04.45

End time (24 hr)

05.45

Weather Details

At start of survey, record:

Cloud cover*

4/8

Wind direction and speed*

South 1

Rain*

0

Temperature (°C)

12.3°C

Moon*

Comments

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
Nil records.				

* See Appendix 1: Standard reporting codes

Survey Details

AROUND PARROT

VINCENTIA 0011282



Name of surveyor Will Introne Contact number 8584 8874
 Number of surveyors 1 Date of survey 26.11.03
 Total effort expressed in person hours 1 hr Number of hectares covered or transect or point dimensions point

Location Details

Location description sedgeland commercial site near Green 4-4 stake
 Map number 9027-~~A~~-N Map name Eastern corner Hushisson
 Full AMG reference(s) for survey site or transect _____ AMG Zone 50
 Start details ES Finish details _____
 Easting (6 digits) 286480 Easting (6 digits) _____
 Northing (7 digits) 6157000 Northing (7 digits) _____
 Start time (24hr) 0445 End time (24 hr) 0545

Weather Details

At start of survey, record: Cloud cover* 4/8
 Wind direction and speed* 1 South Rain* 0
 Temperature (°C) 12.3°C Moon* —
 Comments _____

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
5:16 <i>Pezomachus wallicus wallicus</i>	ul	IR	no reliable estimate. Towards sps	

* See Appendix 1: Standard reporting codes

Survey Details

GROUND PARROT

VINCENTIA 0011282



Name of surveyor

Brandon Hayward

Contact number

8584 8888

ERM

Number of surveyors

1

Date of survey

26-11-03

Total effort expressed in person hours

1hr

Number of hectares covered or transect or point dimensions

Point-400m radius

Location Details

Location description

SPS Commercial site (east).

Map number

9027-4-N

Map name

Huskisson

Full AMG reference(s) for survey site or transect

AMG Zone

56.

Start details

286730

Finish details

Easting (6 digits)

6116150

Easting (6 digits)

Northing (7 digits)

Northing (7 digits)

Start time (24hr)

20.00

End time (24 hr)

21.00

Weather Details

At start of survey, record:

Cloud cover*

2/8

Wind direction and speed*

0

Rain*

0

Temperature (°C)

6

Moon*

Comments

Species name	Ob. type	MH type	Grid reference (full AMG)	Accuracy
N.I records.				

* See Appendix 1: Standard reporting codes

Survey Details

GROUND PARROT

VINCENTIA 0011282



Name of surveyor

Will Intron

Contact number

8584 8888

ERM

Number of surveyors

1

Date of survey

26-11-03

Total effort expressed in person hours

1hr

Number of hectares covered or transect or point dimensions

point 60m radius

Location Details

Location description

Green 44 transect - Commercial site

Map number

9027-4-N

Map name

Huskisson

Full AMG reference(s) for survey site or transect

AMG Zone

5b

Start details

Finish details

Easting (6 digits)

286480

Easting (6 digits)

Northing (7 digits)

6115700

Northing (7 digits)

Start time (24hr)

20.00

End time (24 hr)

21.00

Weather Details

At start of survey, record:

Cloud cover*

2/8

Wind direction and speed*

0

Rain*

0

Temperature (°C)

Moon*

Comments

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
Yellow-tailed Black Cockatoo				
Litoria dentata				
Limnodynastes peronii				
No Ground Parrots				

* See Appendix 1: Standard reporting codes

Survey Details - GROUND PARROT

VINCENTIA 0011282



Name of surveyor BRANDEN HAPWOOD Contact number 5554 8888

Number of surveyors 1 Date of survey 27/11/03

Total effort expressed in person hours 1 Number of hectares covered or transect or point dimensions POINT

Location Details

Location description SEDLAND COMMERCIAL SITE IN GREEN 44 STATE

Map number 9074-A-N Map name HAMILTON

Full AMG reference(s) for survey site or transect AMG Zone 56

Start details Finish details

Easting (6 digits) 286480 Easting (6 digits)

Northing (7 digits) 6157000 Northing (7 digits)

Start time (24hr) 0645 End time (24 hr) 0545

Weather Details

At start of survey, record: Cloud cover* 4/8

Wind direction and speed* 1 Rain* 0.

Temperature (°C) 12.9 Moon*

Comments

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
<u>HOAL</u>				

* See Appendix 1: Standard reporting codes

Survey Details - EASTERN BRISTLEBIRD

VINCENTIA 0011282



Name of surveyor BRANDEN HAYWOOD Contact number 8584 8888

Number of surveyors 1 Date of survey 27/11/03

Total effort expressed in person hours 2 Number of hectares covered or transect or point dimensions POINT + 500m TRANSECT

Location Details

Location description SOUTHWEST OF MORGAN'S CIL ROAD - RESIDENTIAL SITE

Map number 9027-4-N Map name AUSILLIARD

Full AMG reference(s) for survey site or transect AMG Zone 50

Start details Finish details

Easting (6 digits) 286340 Easting (6 digits)

Northing (7 digits) 6115900 Northing (7 digits)

Start time (24hr) 0550 End time (24 hr) 0750

Weather Details

At start of survey, record: Cloud cover* 4/8

Wind direction and speed* 1 Rain* 0

Temperature (°C) 13°C Moon* N/A

Comments

Species name	Ob. type*	MH type*	Grid reference (full AMGs)		Accuracy
<i>Dasyornis brachypterus</i>	W	HS	286340	6115900	local check /
<i>Variiegated Fairy-wren</i>	O, W	HS	"	"	/
<i>New Holland Honeyeater</i>	O, W	HS	"	"	/
<i>Eastern Whipbird</i>	O, W	HS	"	"	/
<i>Yellow-tailed Black-cuckoo</i>	O, W	AC	"	"	/
<i>Sepia-tailed White.</i>	O	AC	"	"	/

* See Appendix 1: Standard reporting codes

Survey Details

GROUND PARROT

VINCENTIA 0011282



Name of surveyor

Brenden Hayward

Contact number

8584 8888

ERM

Number of surveyors

1

Date of survey

27-11-03

Total effort expressed in person hours

1hr

Number of hectares covered or transect or point dimensions

400m radius pt.

Location Details

Location description

Green Stove 44 Commercial site

Map number

9027-4-N

Map name

Huskinson

Full AMG reference(s) for survey site or transect

AMG Zone

56

Start details

Finish details

Easting (6 digits)

286480

Easting (6 digits)

Northing (7 digits)

6115700

Northing (7 digits)

Start time (24hr)

20.00

End time (24 hr)

21.00

Weather Details

At start of survey, record:

Cloud cover*

1/8

Wind direction and speed*

0

Rain*

0

Temperature (°C)

15.4°C

Moon*

1/4

Comments

Species name	Ob. type	MH type	Grid reference (full AMG)	Accuracy
N.I. records.				

* See Appendix 1: Standard reporting codes

Survey Details

Ground Parrot

Name of surveyor Will Intra Contact number 8584 8888

Number of surveyors 1 Date of survey 27-11-03

Total effort expressed in person hours 1hr Number of hectares covered or transect or point dimensions Point 400m radius

VINCENTIA 0011282



Location Details

Location description SFS Commercial Site

Map number 9027-4-N Map name Husson

Full AMG reference(s) for survey site or transect AMG Zone 56

Start details Finish details

Easting (6 digits) 286480 Easting (6 digits)

Northing (7 digits) 6115700 Northing (7 digits)

Start time (24hr) 4.45 End time (24 hr) 5.45

Weather Details

At start of survey, record: Cloud cover* 4/8

Wind direction and speed* 1 Rain* 0

Temperature (°C) 12.9°C Moon*

Comments

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
4.46am Ground Parrot			Bay + Basin Leisure Centre	
4.47am " "			" "	
4.58am-5.25am " (x2)			Commercial site	
5.30am Ground Parrot			One on site until 5.35am	
5.38am " "			One call	
<i>Crinia signifera</i>				
<i>L. freycineti</i>				
<i>L. dentata</i>				

* See Appendix 1: Standard reporting codes

Survey Details

BRISTLEBIRD

VINCENTIA 0011282



Name of surveyor

Will Ingham

Contact number

8584 8888

ERM

Number of surveyors

1

Date of survey

27-11-03

Total effort expressed in person hours

2hrs

Number of hectares covered or transect or point dimensions

Point + transect - 40m

Location Details

Location description

NW corner woodland

Map number

9027-4-N

Map name

Huskinson

Full AMG reference(s) for survey site or transect

AMG Zone

36

Start details

Finish details

Easting (6 digits)

285493

Easting (6 digits)

285503

Northing (7 digits)

6116602

Northing (7 digits)

6116995

Start time (24hr)

05.56

End time (24 hr)

07.55

Weather Details

At start of survey, record:

Cloud cover*

4/8

Wind direction and speed*

1

Rain*

0

Temperature (°C)

13°C

Moon*

Comments

Species name	Ob. type	ME type	Grid reference (full AMGs)	Accuracy
* Start 5.30am 30min listening				
Fairybird	W/O			
Black-faced Cuckoo Shrike	W			
Crow	W			
Maggie	W			
(White-browed) Treecreeper				
* 6.25am Start slow walk for 400m				
Butcherbird	O, W			
Spotted pardalote	W			

* See Appendix 1: Standard reporting codes

Attachment 1:

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* See Appendix 1: Standard reporting codes

Survey Details - EASTERN BRISTLEBIRD

VINCENTIA 0011282



Name of surveyor

BRANDEN HAYWARD

Contact number

85848888

ERM

Number of surveyors

1

Date of survey

28/11/03

Total effort expressed in person hours

2

Number of hectares covered or transect or point dimensions

30min Point Survey

500m transect

+ 2x30min listening

call play back

RESIDENTIAL

Location Details

Location description

SOUTHERN MOONEE CREEK ROAD

Map number

9027-4-N

Map name

HUSKISSON

Full AMG reference(s) for survey site or transect

AMG Zone

56

Start details

Finish details

Easting (6 digits)

286298

Easting (6 digits)

286601

Northing (7 digits)

6116601

Northing (7 digits)

6116399

Start time (24hr)

0550

End time (24 hr)

0750

Weather Details

At start of survey, record:

Cloud cover*

Wind direction and speed*

1

Rain*

0

Temperature (°C)

14

Moon*

N/A

Comments

Warm, sunny, no cloud

Species name	Ob. type	MH type	Grid reference (full AMG)	Accuracy
<i>Dasyornis brachypterus</i>	O/W	HS	0286340/6115900	
Variegated Fairy-wren	O/W	HS		
Southern Emu-wren	O/W	HS		
Galah	O	AC		
Eastern Whipbird	W	HS		
New Holland Honeyeater	O/W	HS, FL		

* See Appendix 1: Standard reporting codes

DIURNAL BIRD CENSUS SURVEY PROFORMA

Survey Details - GROUND PARROT

VINCENTIA 0011282



Name of surveyor BRANDEN HAYWOOD Contact number 8584 8888

Number of surveyors 1 Date of survey 28/11/03

Total effort expressed in person hours 1 Number of hectares covered or transect or point dimensions 400m POINT

Location Details

Location description SRS on COMMERCIAL SITE

Map number 9027-4-N Map name HUSKINSON

Full AMG reference(s) for survey site or transect AMG Zone 56

Start details 286730 Finish details _____

Easting (6 digits) 6116150 Easting (6 digits) _____

Northing (7 digits) _____ Northing (7 digits) _____

Start time (24hr) 0445 End time (24 hr) 0545

Weather Details

At start of survey, record: Cloud cover* 2/8

Wind direction and speed* 0 Rain* 0

Temperature (°C) 12.4° Moon* 1/11

Comments _____

Species name	Ob. type*	MH type*	Grid reference (full AMGs)	Accuracy
<i>Pezomachus wallicus wallicus</i>	W			Head clearly ✓
" "	W			Head clearly

* See Appendix 1: Standard reporting codes

Survey Details

CROWNED PARROT

VINCENTIA 0011282



Name of surveyor

Will Intrans Contact number

8584 8888

Number of surveyors

1

Date of survey

28-11-03

Total effort expressed in person hours

1hr

Number of hectares covered or transect or point dimensions

Point 400m radius

Location Details

Location description

Commercial site - Green 44 stake

Map number

9027-4-N

Map name

Hushisson

Full AMG reference(s) for survey site or transect

AMG Zone

56.

Start details

Finish details

Easting (6 digits)

286480

Easting (6 digits)

Northing (7 digits)

6115700

Northing (7 digits)

Start time (24hr)

04.45

End time (24 hr)

05.45

Weather Details

At start of survey, record:

Cloud cover*

2/8

Wind direction and speed*

0

Rain*

0

Temperature (°C)

12.5°C

Moon*

Comments

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
04.49 Southern Boobies				
(5m in front of me)				
Limno peroni				
New Holland Honeyeater				
Black swans flew over				
Koel				

* See Appendix 1: Standard reporting codes

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

Survey Details

EASTERN BRISTLEBIRD.

VINCENTIA 0011282



Name of surveyor

Will Ingham

Contact number

Number of surveyors

1

Date of survey

28-11-03

Total effort expressed in person hours

2 hrs.

Number of hectares covered or transect or point dimensions

~400m transect

Location Details

Location description

50m in from road NW woodland

Map number

9027-4-N

Map name

Huswisson

Full AMG reference(s) for survey site or transect

AMG Zone

56.

Start details

Finish details

Easting (6 digits)

285493

Easting (6 digits)

285563

Northing (7 digits)

6116662

Northing (7 digits)

6116995.

Start time (24hr)

5.54

End time (24 hr)

7.54

Weather Details

At start of survey, record:

Cloud cover*

1/8 2/8

Wind direction and speed*

0

Rain*

0

Temperature (°C)

13.2°C
-16°C

Moon*

Comments

Species name	Obs. type	MHI type	Grid reference (full AMGs)	Accuracy
Koel				
Friarbird				
Black-faced Cuckoo-shrike				
Magpies				
Spotted pardalote				
Little wattlebird				
Rainbow lorikeet				
Grey fantail				
Crow				

* See Appendix 1: Standard reporting codes

Attachment 1:

Species name	Obs. type	MH type	Grid reference (full AMGS)	Accuracy
Crimson rosella				
* Slow walk 6.24-6.36				
Call playback 8.38 + listening				
Rufous whistler				
Kookaburra	W			
Butcherbird	W			
Grey Fantail	W			
Yellow-tailed Black Cockatoo	W			
Koel	W			
Fan-tailed Cuckoo	W			
White-throated Tree creeper	W			
New Holland Honeyeater				
Sulphur crested Cockatoo	W			
Black-faced Cuckoo shrike				
Superb fairywren				
Crimson rosella	W			
* 2nd pt 100m on 400m transect.				
Pallid cuckoo	W			
Call playback 7.16-7.20, listen 7.20-7.50.				
Grey Fantail	W			
Spotted pardalote	W			
Rainbow lorikeet	OW			
Crimson rosella	W			
Magpie	W			
(White-throated) Tree creeper	W			
YTB Cockatoo	W			
Fairy bird	W			

* See Appendix 1: Standard reporting codes

Survey Details

EASTERN BRISTLEBIRD

VINCENTIA 0011282



Name of surveyor

Brandon Haywood

Contact number

8584 8888

ERM

Number of surveyors

1

Date of survey

1-12-03

Total effort expressed in person hours

~ 2 hrs

Number of hectares covered or transect or point dimensions

400m Transect

Location Details

Location description

Northern Woodland

Map number

9027-4-N

Map name

Huskisson

Full AMG reference(s) for survey site or transect

AMG Zone

56

Start details

285830

Finish details

286036

Easting (6 digits)

6116473

Easting (6 digits)

6116770.

Northing (7 digits)

Northing (7 digits)

Start time (24hr)

06.07

End time (24 hr)

07.56.

Weather Details

At start of survey, record:

Cloud cover*

8/8

Wind direction and speed*

0

Rain*

0

Temperature (°C)

17°C

Moon*

Comments

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
Nil records.				

* See Appendix 1: Standard reporting codes

EASTERN BRISTLEBIRD

Survey Details

VINCENTIA 0011282



Name of surveyor

Will Ingham

Contact number

8584 8888

Number of surveyors

1

Date of survey

1-12-03

Total effort expressed in person hours

~ 2hrs

Number of hectares covered or transect or point dimensions

400m transect

Location Details

Location description

Sth of Ridge rd

Map number

9027-4-N

Map name

Huskisson

Full AMG reference(s) for survey site or transect

AMG Zone

56

Start details

Finish details

Easting (6 digits)

285935

Easting (6 digits)

286202

Northing (7 digits)

6117115

Northing (7 digits)

6116851

Start time (24hr)

6:07

End time (24 hr)

7:56

Weather Details

At start of survey, record:

Cloud cover*

8/8

Wind direction and speed*

0

Rain*

0

Temperature (°C)

17°C

Moon*

Comments

Species name	Obs. type	MH type	Grid reference (full AMGs)	Accuracy
* Start of 30 min listening to 6:07am				
Spotted pardalote	W			
Whistler (?)				
Pallid cuckoo	W			
Yellow-tailed Black Cockatoo	W			
Rainbow lorikeet	W			
White-throated treecreeper	W			
Forktailed cuckoo	W			
Brush cuckoo	W			
Maggie	W			

* See Appendix 1: Standard reporting codes

Attachment 1:

Species name	Obs. type	MH type	Grid reference (full AMGs)	Accuracy
Grey Fantail	W			
Leaden Flycatcher	O			
Koel	W			
* 1st call playback + 30min listening pt 300m 6-45am				
Fan-tailed cuckoo	H			
White-throated Treecreeper	W			
Whistler	H			
Rainbow Lorikeet	W			
Leaden Flycatcher	H			
Spotted Pardalote	W			
Grey Fantail	W			
Fan-tailed Cuckoo	W			
Pallid cuckoo	W			
Crow	O			
Koel	W			
Crimson Rosella	O			
* 2nd call playback + 30min listening pt 100m 7-21am				
Kookaburra	W			
White-throated Treecreeper	W			
Fan-tailed Cuckoo	W			
Spotted pardalote	W			
Whistler	W			
Rainbow lorikeet	W			
Black-faced Cuckoo Shrike	W			
Grey fantail	W			
Yellow-tailed Black Cuckoo	W			
Maggie Lark	W			
Leaden Flycatcher	O			

* See Appendix 1: Standard reporting codes

Survey Details

CROWN PARROT

VINCENTIA 0011282



Name of surveyor

Peter A. Grant

Contact number

02 49500573 ERM

Number of surveyors

1

Date of survey

1/12/03

Total effort expressed in person hours

1

Number of hectares covered or transect or point dimensions

Point

Location Details

Location description

COMMERCIAL - WALK IN SITE

Map number

Q027-4-N

Map name

Huswisson

Full AMG reference(s) for survey site or transect

AMG Zone

56

Start details

Finish details

Easting (6 digits)

286480

Easting (6 digits)

Northing (7 digits)

6115996

Northing (7 digits)

Start time (24hr)

1950

End time (24 hr)

2050

Weather Details

At start of survey, record:

Cloud cover*

8/8

Wind direction and speed*

0

Rain*

2

Temperature (°C)

?

Moon*

Comments

Species name	Ob. type	MH type	Grid reference (full AMG)	Accuracy
NIL C. PARROTS				

* See Appendix 1: Standard reporting codes

Survey Details - Ground Parrot

VINCENTIA 0011282



Name of surveyor B. Haywood Contact number 8584 8888

Number of surveyors 1 Date of survey 1/12/03

Total effort expressed in person hours 1 Number of hectares covered or transect or point dimensions Point

Location Details

Location description South west corner commercial site, near ^{green} statue 42

Map number 9074-1-N Map name Huskinson

Full AMG reference(s) for survey site or transect AMG Zone 5b

Start details Finish details

Easting (6 digits) 286480 Easting (6 digits)

Northing (7 digits) 6157000 Northing (7 digits)

Start time (24hr) 2000 End time (24 hr) 2100

Weather Details

At start of survey, record: Cloud cover* 8/8

Wind direction and speed* 0 Rain* 1

Temperature (°C) not recorded Moon* N/A

Comments Full cloud cover, steady rain, no wind.

Species name	Obs. type	MH type	Grid reference (full AMGs)	Accuracy
<u>none</u>				

* See Appendix 1: Standard reporting codes

Survey Details - Ground Parrot

VINCENTIA 0011282



Name of surveyor

B. Haywood

Contact number

8584 8888

Number of surveyors

2

Date of survey

1/12/03

Total effort expressed in person hours

1

Number of hectares covered or transect or point dimensions

PointLocation Details

Location description

near SPS Commercial site

Map number

9074-4-N

Map name

Hushinson

Full AMG reference(s) for survey site or transect

AMG Zone

5b

Start details

Finish details

Easting (6 digits)

286730

Easting (6 digits)

Northing (7 digits)

6116150

Northing (7 digits)

Start time (24hr)

0445

End time (24 hr)

0545Weather Details

At start of survey, record:

Cloud cover*

8/8

Wind direction and speed*

0

Rain*

1

Temperature (°C)

Moon*

Comments

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
<u>Pezopus wallicus wallicus</u>	<u>W</u>	<u>GR</u>		
<u>" " "</u>	<u>W</u>	<u>GR</u>		
<u>" " "</u>	<u>W</u>	<u>GR</u>		
<u>Powerful Owl</u>	<u>W</u>		<u>290° from survey site</u>	<u>Call heard at least 6 times.</u>

* See Appendix 1: Standard reporting codes

Survey Details

GROUND HARKOT

VINCENTIA 0011282



Name of surveyor

Will Intraona

Contact number

8584 8888

ERM

Number of surveyors

1

Date of survey

1-12-03

Total effort expressed in person hours

1hr

Number of hectares covered or transect or point dimensions

400m radius pt.

Location Details

Location description

Green 44 stake - commercial site

Map number

9027-4-N

Map name

Huskisson

Full AMG reference(s) for survey site or transect

AMG Zone

S6

Start details

Finish details

Easting (6 digits)

286480

Easting (6 digits)

Northing (7 digits)

6115700

Northing (7 digits)

Start time (24hr)

~~0600~~

End time (24 hr)

~~0600~~

4.45

5.45

Weather Details

At start of survey, record:

Cloud cover*

8/8

Wind direction and speed*

0

Rain*

0

Temperature (°C)

17

Moon*

Comments

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
New Holland Honeyeater	W			
Yellow-tailed Black Cockatoo	W			
Grey Fantail	W			
Fantailed Cuckoo	W			
Wood Duck	W			
White-browed Scrubwren	W			
Spotted Pardalote	W			
Crow	W			
Whipbird	W			

* See Appendix 1: Standard reporting codes

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

Survey Details

GROUND PARROT

VINCENTIA 0011282



Name of surveyor

Will Intrans

Contact number

8584 8888

Number of surveyors

1

Date of survey

1-12-03

Total effort expressed in person hours

1hr

Number of hectares covered or transect or point dimensions

400m radius pt.

Location Details

Location description

SPS on Commercial site

Map number

9027-4-N

Map name

Huskisson

Full AMG reference(s) for survey site or transect

AMG Zone

50

Start details

Finish details

Easting (6 digits)

286730

Easting (6 digits)

Northing (7 digits)

6116150

Northing (7 digits)

Start time (24hr)

20.00

End time (24 hr)

21.00

Weather Details

At start of survey, record:

Cloud cover*

8/8

Wind direction and speed*

1 SE

Rain*

1

Temperature (°C)

Moon*

Comments

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
19.54 Ground Parrot calls;				
19.58 CP call on commercial site			100m SW	
19.58 From heathland on residential				
20.06 from comm site toward Prasophyllum site				
20.01 " "				
20.02 " "				
20.03 " "				

* See Appendix 1: Standard reporting codes

Survey Details

Name of surveyor

Peter Adkert

Contact number

VINCENTIA 0011282

02 49500573

Number of surveyors

1

Date of survey

2/12/03

Total effort expressed in person hours

1

Number of hectares covered or transect or point dimensions

400m pt radius.Location Details

Location description

COMMERCIAL - NEAR LEYSUXE CENTRE

Map number

9027-4-N

Map name

Huskisson

Full AMG reference(s) for survey site or transect

AMG Zone

36

Start details

Finish details

Easting (6 digits)

280730

Easting (6 digits)

Northing (7 digits)

6116150

Northing (7 digits)

Start time (24hr)

0450

End time (24 hr)

0550.Weather Details

At start of survey, record:

Cloud cover*

8/8

Wind direction and speed*

0

Rain*

2

Temperature (°C)

? cold

Moon*

?

Comments

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
<u>GROUND PARROT</u>	<u>W</u>	<u>GR</u>	<u>4x INDIVIDUALS HEARD.</u>	<u>✓</u>
			<u>FROM 0455 - 0535 hrs.</u>	

* See Appendix 1: Standard reporting codes

Survey Details - Ground Parrot

VINCENTIA 0011282



Name of surveyor

B. Haywood

Contact number

8584 8888

ERM

Number of surveyors

1

Date of survey

2/12/03

Total effort expressed in person hours

1Number of hectares covered
or transect or point
dimensions600m pt radius.Location Details

Location description

South west commercial site near green 42 state

Map number

9074-4-N

Map name

HuskinsonFull AMG reference(s) for
survey site or transect

AMG Zone

36

Start details

Finish details

Easting (6 digits)

286480

Easting (6 digits)

Northing (7 digits)

6157000

Northing (7 digits)

Start time (24hr)

0445

End time (24 hr)

0545Weather Details

At start of survey, record:

Cloud cover*

8/8

Wind direction and speed*

0

Rain*

1

Temperature (°C)

not recorded - cold

Moon*

N/A

Comments

Full ~~cloud~~ cloud, constant drizzle.

Species name	Ob. type	ME type	Grid reference (full AMGs)	Accuracy
<u>none</u>				

* See Appendix 1: Standard reporting codes

Survey Details - GROUND PARROT

VINCENTIA 0011282



Name of surveyor

B. Haywood

Contact number

8584 8888

ERM

Number of surveyors

1

Date of survey

2/12/03

Total effort expressed in person hours

1

Number of hectares covered or transect or point dimensions

PointLocation Details

Location description

South west corner beside commercial site near green 48 state

Map number

9074-4-M

Map name

Huskinson

Full AMG reference(s) for survey site or transect

AMG Zone

56.

Start details

Finish details

Easting (6 digits)

286480

Easting (6 digits)

Northing (7 digits)

6157000

Northing (7 digits)

Start time (24hr)

2000

End time (24 hr)

2100Weather Details

At start of survey, record:

Cloud cover*

8/8

Wind direction and speed*

0

Rain*

0

Temperature (°C)

not recorded

Moon*

N/A

Comments

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
<u>none</u>				

* See Appendix 1: Standard reporting codes

Survey Details

AROUND PARROT

VINCENTIA 0011282



Name of surveyor

Peter A. Dwyer

Contact number

02 49 560573

ERM

Number of surveyors

1

Date of survey

2/12/03

Total effort expressed in person hours

1 hr

Number of hectares covered or transect or point dimensions

400m pt radius

Location Details

Location description

COMMERCIAL SITE - NEAR SEWERAGE.

Map number

9027-4-N.

Map name

Huswisson

Full AMG reference(s) for survey site or transect

AMG Zone

56

Start details

Finish details

Easting (6 digits)

286730

Easting (6 digits)

Northing (7 digits)

6116150

Northing (7 digits)

Start time (24hr)

1940

End time (24 hr)

2040

Weather Details

At start of survey, record:

Cloud cover*

8/8

Wind direction and speed*

0

Rain*

1

Temperature (°C)

Moon*

Comments

Species name	Obs. type	MH type	Grid reference (full AMG's)	Accuracy

* See Appendix 1: Standard reporting codes

see opportunistic's sheet for other species recorded.

Survey Details

EASTERN BRISTLEBIRD

VINCENTIA 0011282



Name of surveyor

BRAD ADEKAT

Contact number

02 49500573

ERM

Number of surveyors

1

Date of survey

2/12/03

Total effort expressed in person hours

2

Number of hectares covered or transect or point dimensions

Location Details

Location description

TRANSECT 2

Map number

9027-4-N

Map name

Huswisson

Full AMG reference(s) for survey site or transect

AMG Zone

56

Start details

Finish details

Easting (6 digits)

285830

Easting (6 digits)

286036

Northing (7 digits)

6116473

Northing (7 digits)

6116770

Start time (24hr)

0600

End time (24 hr)

0800

Weather Details

At start of survey, record:

Cloud cover*

8/9

Wind direction and speed*

0

Rain*

2

Temperature (°C)

Moon*

Comments

LINE TRANSECT (400m)

Species name	Obs. type	MH type	Grid reference (full AMGs)	Accuracy

NIL BRISTLEBIRDS

* See Appendix 1: Standard reporting codes

Survey Details - Eastern Bristlebird

VINCENTIA 0011282



Name of surveyor Branden Haywood Contact number 8584 8888

Number of surveyors 1 Date of survey 2/12/03

Total effort expressed in person hours 2 Number of hectares covered or transect or point dimensions 30-min Point
400m transect
2 x playback x 30min

Location Details

Location description Residential - South of ridge road

Map number 9074-4-N Map name Huskinson

Full AMG reference(s) for survey site or transect AMG Zone 56

Start details Finish details

Easting (6 digits) 285935 Easting (6 digits)

Northing (7 digits) 6117115 Northing (7 digits)

Start time (24hr) 0600 End time (24 hr) 0800

Weather Details

At start of survey, record: Cloud cover* 7/8

Wind direction and speed* 0 Rain* 1

Temperature (°C) not recorded - cold Moon* N/A

Comments no wind, cloudy, cool

Species name	Ob. type	MH type	Grid reference (full AMG)	Accuracy
<u>none</u>				

* See Appendix 1: Standard reporting codes

Survey Details - Ground Parrot

VINCENTIA 0011282



Name of surveyor

BRANDEN HAYWOOD

Contact number

8584 8888

Number of surveyors

1

Date of survey

3/12/03

Total effort expressed in person hours

1

Number of hectares covered or transect or point dimensions

Point

Location Details

Location description

Near SPS on Commercial site

Map number

9074-4-N

Map name

Hushinson

Full AMG reference(s) for survey site or transect

AMG Zone

S6

Start details

Finish details

Easting (6 digits)

286730

Easting (6 digits)

Northing (7 digits)

6116150

Northing (7 digits)

Start time (24hr)

0445

End time (24 hr)

0545

Weather Details

At start of survey, record:

Cloud cover*

7/8

Wind direction and speed*

0

Rain*

0

Temperature (°C)

not recorded - too

Moon*

N/A

Comments

Species name	Obs. type	MH type	Grid reference (full AMGs)	Accuracy
<i>Pezoporus wallicus wallicus</i>	W	GR		Clearly heard
"	W	GR		"
"	W	GR		"
"	W	GR		"

* See Appendix 1: Standard reporting codes

Survey Details

GROUND PARROT

VINCENTIA 0011282



Name of surveyor

Peter A. Leck

Contact number

Number of surveyors

1

Date of survey

3/12/03

Total effort expressed in person hours

1

Number of hectares covered or transect or point dimensions

Point

Location Details

Location description

COMMERCIAL SITE - WALK IN SITE

Map number

9027-4-N

Map name

Huskyssan

Full AMG reference(s) for survey site or transect

AMG Zone

56

Start details

0445

Finish details

0545

Easting (6 digits)

286425

Easting (6 digits)

Northing (7 digits)

6115768

Northing (7 digits)

Start time (24hr)

0445

End time (24 hr)

0545

Weather Details

At start of survey, record:

Cloud cover*

8/8

Wind direction and speed*

0

Rain*

0

Temperature (°C)

Moon*

?

Comments

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
XXXXX				
GROUND PARROT	W	GR/L	HEARD @ 0505hrs @ 50° - EASTERN SIDE ON N SIDE COLLEGE ROAD.	
GROUND PARROT	W	GR/L	HEARD @ 0525hrs @ 20°	

* See Appendix 1: Standard reporting codes

PTO : OPPORTUNISTICS.

[illegible]

* See Appendix 1: Standard reporting codes

Survey Details

EASTERN BRISTLEBIRD

VINCENTIA 0011282



Name of surveyor

RENE A. ELERT

Contact number

Number of surveyors

1

Date of survey

3/12/03

Total effort expressed in person hours

2

Number of hectares covered or transect or point dimensions

(400m)

Location Details

Location description

N/W SECTION OF SITE - TRANSECT 3.

Map number

9027-4-N

Map name

HUSKISSON

Full AMG reference(s) for survey site or transect

AMG Zone

56.

Start details

Finish details

Easting (6 digits)

285493

Easting (6 digits)

Northing (7 digits)

6116607

Northing (7 digits)

Start time (24hr)

0610

End time (24 hr)

0810

Weather Details

At start of survey, record:

Cloud cover*

8/8

Wind direction and speed*

0

Rain*

1

Temperature (°C)

Moon*

Comments

Species name	Ob. type	MH type	Grid reference (full AMG)	Accuracy
<u>NIL BRISTLEBIRDS</u>				

* See Appendix 1: Standard reporting codes

710; OPP SIGHTINGS

✓
✓
✓

✓
✓
✓
✓
✓
✓
✓
✓
✓
✓
✓

* See Appendix 1: Standard reporting codes

Survey Details - EASTERN BRISTLEBIRD

VINCENTIA 0011282



Name of surveyor BRANDEN HAYWOOD Contact number 8584 8888
Number of surveyors 1 Date of survey 3/12/03
Total effort expressed in person hours 2 Number of hectares covered or transect or point dimensions 30min Point
400m TRANSECT
2x playback x 30min

Location Details

Location description RESIDENTIAL - SOUTH OF RIDGE ROAD
Map number 9074-4-N Map name HUSKISSON
Full AMG reference(s) for survey site or transect AMG Zone 56
Start details Finish details
Easting (6 digits) 285 935 Easting (6 digits) 286202
Northing (7 digits) 6117415 Northing (7 digits) 6116851
Start time (24hr) 0600 End time (24 hr) 0900

Weather Details

At start of survey, record: Cloud cover* 8/8
Wind direction and speed* 0 Rain* 0
Temperature (°C) not recorded Moon* N/A
Comments cloudy, no rain

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
<u>none</u>				
<u>Square-tailed kite</u>	<u>OW</u>	<u>DT</u>		

* See Appendix 1: Standard reporting codes

Survey Details

GROUND PARROT 4/12/2003

VINCENTIA 0011282



Name of surveyor

PETER ELAET

Contact number

02 49500573

Number of surveyors

1

Date of survey

4/12/2003

Total effort expressed in person hours

1

Number of hectares covered or transect or point dimensions

Location Details

Location description

COMMERCIAL - NEAR SEWAGE PUMPING STATION.

Map number

9027-4-N

Map name

HUSLISSEON

Full AMG reference(s) for survey site or transect

AMG Zone

56

Start details

Finish details

Easting (6 digits)

286730

Easting (6 digits)

Northing (7 digits)

6116150

Northing (7 digits)

Start time (24hr)

0445

End time (24 hr)

0545

Weather Details

At start of survey, record:

Cloud cover*

8/8 (FOG)

Wind direction and speed*

0

Rain*

0

Temperature (°C)

Moon*

Comments

Species name	Ob. type	MH type	Grid reference (full AMG's)	Accuracy
GROUND PARROT (1)	W	GR	(HEARD @ 0446415)	
OFFSITE:				
GROUND PARROT (1)	W	GR	(HEARD @ 0447 ON E SIDE OF ROAD)	

* See Appendix 1: Standard reporting codes

PTO FOR OPPORTUNISTIC

[illegible]

* See Appendix 1: Standard reporting codes

Survey Details - Ground Parrot

VINCENTIA 0011282



Name of surveyor B. Haywood Contact number 8584 8888
 Number of surveyors 1 Date of survey 4/12/03
 Total effort expressed in person hours 1 Number of hectares covered or transect or point dimensions Point

Location Details

Location description South wester corner Commercial st near 44 st
 Map number 9074-4-N Map name HUSKINSON
 Full AMG reference(s) for survey site or transect AMG Zone 56
 Start details Finish details
 Easting (6 digits) 286480 Easting (6 digits)
 Northing (7 digits) 6115900 Northing (7 digits)
 Start time (24hr) 0445 End time (24 hr) 0545

Weather Details

At start of survey, record: Cloud cover*
 Wind direction and speed* 0 Rain* 0
 Temperature (°C) not recorded Moon* N/A
 Comments warm. Foggy

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
Pezopus <u>Pezopus wallicus wallicus</u>	<u>W</u>	<u>CR</u>	<u>South east of LC access rd</u>	<u>heard clearly</u>
<u>" " "</u>	<u>W</u>	<u>CR</u>	<u>north west of LC access rd near Prasophyllum affine.</u>	<u>heard clearly</u>

* See Appendix 1: Standard reporting codes

Survey Details - *Eastern Bristlebird*

VINCENTIA 0011282



Name of surveyor B. Heywood

Contact number

8584 8888

Number of surveyors

1

Date of survey

4/12/03

Total effort expressed in person hours

1.5

Number of hectares covered or transect or point dimensions

30-min Point

400m Transect
1 x call playback (30min).

Location Details

Location description

South east Ridge Rd, centre of residential site

Map number

9074-4-N

Map name

Hushisson

Full AMG reference(s) for survey site or transect

AMG Zone

56

Start details

Finish details

Easting (6 digits)

285930

Easting (6 digits)

286170

Northing (7 digits)

6116945

Northing (7 digits)

6116770

Start time (24hr)

0615

End time (24 hr)

0745

Weather Details

At start of survey, record:

Cloud cover*

Wind direction and speed*

0

Rain*

0

Temperature (°C)

not recorded

Moon*

N/A

Comments

Foggy, clearing about 6.30 am.

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
<i>none</i>				
<i>Sacred Kingfisher</i>	<i>W</i>			
<i>White-throated Treecreeper</i>	<i>W, O</i>			
<i>Rufous Whistler</i>	<i>W, O</i>			
<i>Crimson Rosella</i>	<i>W, O</i>			
<i>Yellow-tailed Black-cockatoo</i>	<i>W, O</i>			
<i>Spotted Pardalote</i>	<i>W, O</i>			
<i>White-browed Scrubwren</i>	<i>W, O</i>			

* See Appendix 1: Standard reporting codes

Survey Details

BRISTLEBIRD.

VINCENTIA 0011282



Name of surveyor

PETER EXERT

Contact number

02 49500573

ERM

Number of surveyors

1

Date of survey

4/12/2003

Total effort expressed in person hours

1.5

Number of hectares covered or transect or point dimensions

400m LINE TRANSECT

Location Details

Location description

S/E OF 'RIDGE ROAD'

Map number

9027-4-N

Map name

Hushisson

Full AMG reference(s) for survey site or transect

AMG Zone

56.

Start details

Finish details

Easting (6 digits)

285 780

Easting (6 digits)

285920

Northing (7 digits)

6116600

Northing (7 digits)

6116420

Start time (24hr)

0610

End time (24 hr)

0740.

Weather Details

At start of survey, record:

Cloud cover*

8/9 (Fog)

Wind direction and speed*

0

Rain*

0

Temperature (°C)

Moon*

Comments

RESIDENTIAL SITE

Species name	Ob. type	MH type	Grid reference (full AMG)	Accuracy
NIL BRISTLEBIRDS				

* See Appendix 1: Standard reporting codes

PTO FOR OPPORTUNISTIC RECORDS

[illegible]

* See Appendix 1: Standard reporting codes

Survey Details - *Ground Parrot*

VINCENTIA 0011282



Name of surveyor B. Haywood Contact number 8584 8588

Number of surveyors 1 Date of survey 4/12/03

Total effort expressed in person hours 1 Number of hectares covered or transect or point dimensions POINT

Location Details

Location description South west corner commercial site near green 44 stake.

Map number 9074-4-N Map name Huskinson

Full AMG reference(s) for survey site or transect AMG Zone 56

Start details Finish details

Easting (6 digits) 286480 Easting (6 digits)

Northing (7 digits) 6115910 Northing (7 digits)

Start time (24hr) 2000 End time (24 hr) 2100

Weather Details

At start of survey, record: Cloud cover* 1/8

Wind direction and speed* 0 Rain* 0

Temperature (°C) 21.9°C Moon* 3

Comments

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
<i>none</i>				

* See Appendix 1: Standard reporting codes

Survey Details

GROUND PARROT. 1

VINCENTIA 0011282



Name of surveyor

PETER ELLIOT

Contact number

02 49500573

ERM

Number of surveyors

1

Date of survey

4/12/2003

Total effort expressed in person hours

1

Number of hectares covered or transect or point dimensions

Point.

Location Details

Location description

COMMERCIAL - @ SEWAGE PUMPING STATION.

Map number

9027-4-N

Map name

Huskinson.

Full AMG reference(s) for survey site or transect

AMG Zone

Sb.

Start details

Finish details

Easting (6 digits)

286480

Easting (6 digits)

Northing (7 digits)

6115700.

Northing (7 digits)

Start time (24hr)

2000

End time (24 hr)

2100

Weather Details

At start of survey, record:

Cloud cover*

4/8 (HIGH CLOUD)

Wind direction and speed*

0

Rain*

0

Temperature (°C)

21.9°C

Moon*

3

Comments

Species name	Ob. type	MH type	Grid reference (full AMGs)	Accuracy
NIL G. PARROTS	ON	SITE		
OFFSITE:				
G. PARROT (2)	W	GR	(HEARD CALLING NEAR OVAL - E OF ROAD)	

* See Appendix 1: Standard reporting codes

PTO FOR OPPORTUNISTIC RECORDS.

Species name	Ob type	MH type	Grid reference (full AMG)	Accuracy
LITORIA FREYINETI (2)	W	lw		
CRAIGIA SIGNIFERA (25)	W	GR		
LITORIA DENTATA (22)	W			
LITORIA PERONI (2)	W			
LYMNODINASTES PERONII (23)	W			
TADAXIDA AUSTRALIS (1)	W	AC		
AUSTRALIAN RAVEN (5)	O	VAC		
AUSTRALIAN ALBIE (1)	O	AC		
GREAT FRINTAIL (1)	W			
YELLOW-TAILED BLACK COCKATOO (2)	O	AC		
LARKINE KOOKABURRA (2)	W			
SOUTHERN BOOBIE (1)	O	UC		
- SOUTHERN BOOBIE (3)	OFFSITE	(HEARD SOUTH & E OF SITE).		

* See Appendix 1: Standard reporting codes

**TARGETED
SURVEYS FOR
GIANT
BURROWING
FROG**

GIRANT SURROUNDING FROG
CALL PLAYBACK

VINCENTIA 0011282

Survey Details

Date of survey

24/11/03

Name of surveyor

Rison Hunt/Rena Baker

Contact number

8584-8888

Name of person analysing calls

" "

Contact number

0418 636 487

Total effort expressed in person hours

80 mins.

Listen 10 mins
 Call playback 5 mins
 Listen 10 "
 Call playback 5
 Listen 10

Location Details

Location (including basic habitat) description

Frog pond at end of B4

Frog pond is 20 cm deep. Depression between 2 trees → leaf litter, H₂O clear
 Silty + debris on bottom.

Map number

Huskisson

Map name

9027-4-N

Type of survey, eg. transect or quadrat

Call playback

AMG Zone

56

Active or passive search

at Frog pond

+ surrounds

Size of survey area (ha)

~ 2m diam

Survey area

Eastings (6 digits)

28600

Northings (7 digits)

~ 6117200

Eastings (6 digits)

286310

Northings (7 digit)

611753

Start time (24hr)

21:15

End time (24 hr)

21:50

Weather Details

At start of survey, record:

Cloud cover*

95%

Wind direction and speed*

NW slight

Rain*

Showers

Temperature (°C)

18.0

Moon*

Comments

Rainy + squally for 2 days.

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

GIANT BURROWING FROG
(CALL PLAYBACK)

VINCENTIA 0011282

Survey Details

Date of survey

24-11-03

Name of surveyor

Meg + Tammy

Contact number

8584 8888

Name of person analysing calls

LoganHasehurst

Contact number

Total effort expressed in person hours

80minLocation Details

Location (including basic habitat) description

Creek along C4 transect in
residential site (100m intervals along
a transect)

Map number

Huskisson

Map name

9027-4-N.

Type of survey, eg. transect or quadrat

call playback
Giant Burrowing Frog

AMG Zone

56

Active or passive search

near ponds

Size of survey area (ha)

~1100m

Survey area

Eastings (6 digits)

285896

Northings (7 digits)

6118339

Eastings (6 digits)

285955

Northings (7 digit)

6118394

Start time (24hr)

10pm

End time (24 hr)

10.40pmWeather Details

At start of survey, record:

Cloud cover*

60%

Wind direction and speed*

None

Rain*

Raining

Temperature (°C)

18°C

Moon*

Comments

Raining for 2 days

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

VINCENTIA 0011282

Survey Details

Date of survey 25-11-03

Name of surveyor Rene Baker, Maglarang Contact number 8584 8888

Name of person analysing calls / Contact number /

Total effort expressed in person hours 1 h 20 ph.

Location Details

Location (including basic habitat) description Northern corner of site near perimeter -
close to ~~the~~ pool c. 2m diameter

Map number Huskisson Map name 9027-4-N.

Type of survey, eg. transect or quadrat Call playback AMG Zone 5b

Active or passive search Passive Size of survey area (ha) ~400m

Survey area Eastings (6 digits) 286000 Northings (7 digits) 6117200.

Eastings (6 digits) 286310 Northings (7 digit) 6117153

Start time (24hr) 21.15 End time (24 hr) 21.55

Weather Details

At start of survey, record: Cloud cover* 7

Wind direction and speed* Rain* 2

Temperature (°C) 14.6°C Moon* 0

Comments

Call playback for Giant Burrowing Frog

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

GIANT BURROWING FROG
(CALL PLAYBACK)

VINCENTIA 0011282

Survey Details

Date of survey

25-11-03

Name of surveyor

Alison Hunt
Tammy Halsehurst

Contact number

8584 8888.

Name of person analysing calls

"

"

Contact number

Total effort expressed in person hours

80 minutes

Play 5 min

Listen 10 min.

Location Details

Location (including basic habitat) description

Residential site along creek
near transect C4.

Map number

Huskisson

Map name

9027-4-N

Type of survey, eg. transect or quadrat

Call playback

AMG Zone

56.

Active or passive search

Passive

Size of survey area (ha)

~400m

Survey area

Eastings (6 digits)

285935

Northings (7 digits)

6116394

Eastings (6 digits)

286061

Northings (7 digit)

6116620

Start time (24hr)

9.20pm

End time (24 hr)

10.00pm

Weather Details

At start of survey, record:

Cloud cover*

100%

Wind direction and speed*

Rain*

3-heavy rain.

Temperature (°C)

14.6°

Moon*

0

Comments

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

GIANT BURROWING FROG
(CALL PLAYBACK)

VINCENTIA 0011282

Survey Details

Name Alison Hunt
 Date of survey Tammy Halehurst
 Date 26-11-03 Contact number 8584 8888
 Name of person analysing calls AH + TH Contact number _____
 Total effort expressed in person hours 2

Location Details

Location (including basic habitat) description Middle Ck above C4 along
W 600m OR creekline. Call playback every
150m 5min + 10min listening Total of
4 times

Map number Huekisson Map name 9027-4-N.
 Type of survey, eg. transect or quadrat Transect AMG Zone 56
 Active or passive search Passive Size of survey area (ha) ~600m
 Survey area Eastings (6 digits) 285 986 Northings (7 digits) 6115487
 Eastings (6 digits) 286 133 Northings (7 digit) 6116668.
 Start time (24hr) 21.05 End time (24 hr) 22.05

Weather Details

At start of survey, record: Cloud cover* 95%
 Wind direction and speed* Slight Rain* Intermittent shower
 Temperature (°C) 14.2 Moon* New

Comments

4 hr day of rain

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

Call Playback Giant Burrowing Frog

VINCENTIA 0011282

Survey Details

Date of survey

26-11-03

Name of surveyor

Meglorang Rene Baker

Contact number

8584 8888

Name of person analysing calls

Contact number

Total effort expressed in person hours

2 ph

Location Details

Location (including basic habitat) description

eastern-most creekline along commercial site edge.

Map number

Huckisson

Map name

9027-4-N.

Type of survey, eg. transect or quadrat

transect w/
4 locations

AMG Zone

56

Active or passive search

PASSIVE

Size of survey area (ha)

~400m transect

Survey area

Eastings (6 digits)

286760

Northings (7 digits)

6116557

Eastings (6 digits)

286627

Northings (7 digit)

611.6350

Start time (24hr)

21.15

End time (24 hr)

22.45

Weather Details

At start of survey, record:

Cloud cover*

6

Wind direction and speed*

Slight

Rain*

1

Temperature (°C)

c. 14°C

Moon*

1

Comments

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

VINCENTIA 0011282

Survey Details

Date of survey

27-11-03

Name of surveyor

Meglorang Rennie
Baker

Contact number

858 488 88

Name of person analysing
calls

Contact number

Total effort expressed in
person hours

2 ph

Location DetailsLocation (including basic
habitat) descriptioneastern most creekline between
residential + commercial sites

Map number

Hushisson

Map name

Q027-4-N.

Type of survey, eg. transect
or quadrat

transect

AMG Zone

56.

Active or passive search

passive

Size of survey area (ha)

~400m

Survey area

Eastings (6 digits)

285583

Northings (7 digits)

6116277

Eastings (6 digits)

286461

Northings (7 digit)

6116038.

Start time (24hr)

21.05

End time (24 hr)

22.15

Weather Details

At start of survey, record:

Cloud cover*

1

Wind direction and speed*

—

Rain*

0

Temperature (°C)

c. 15°C

Moon*

1

Comments

clear night, no rain / wind.

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

VINCENTIA 0011282



Survey Details

Date of survey

27/11/03

Name of surveyor

Robert + Tam Harbourn

Contact number

8584 8888

Name of person analysing calls

" "

Contact number

Total effort expressed in person hours

2 hours

Location Details

Location (including basic habitat) description

Middle creekline from Moora Moora Rd + JBNP boundary → up creek for ~400m
3 call playback → 5 mins + 10 mins listening up 32 (up 51)

Map number

Huskisson

Map name

9027-4-10

Type of survey, eg. transect or quadrat

Call Playback Transect

AMG Zone

56

Active or passive search

passive

Size of survey area (ha)

~400m

Survey area

Eastings (6 digits)

286501

Northings (7 digits)

6116733

Eastings (6 digits)

288380

Northings (7 digit)

6116822

Start time (24hr)

10:30

End time (24 hr)

11:30

Weather Details

At start of survey, record:

Cloud cover*

—

Wind direction and speed*

—

Rain*

—

Temperature (°C)

15°C

Moon*

1/4

Comments

clear night / no wind or rain
→ 4 days of rain previous.
→ pools of H₂O + site completely H₂O logged.

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

VINCENTIA 0011282

Survey Details

Date of survey

2/12/03

Name of surveyor

RB, ML, NC

Contact number

8584 8888

Name of person analysing calls

—

Contact number

Total effort expressed in person hours

2 ph

Location Details

Location (including basic habitat) description

middle creekline, southern end,
melaleuca, lamandra close to ST1 and
eastern end of TB3

Map number

90274-N

Map name

Huskisson

Type of survey, eg. transect or quadrat

Transect
Call playback

AMG Zone

5b

Active or passive search

Passive

Size of survey area (ha)

~400m

Survey area

Eastings (6 digits)

286061

Northings (7 digits)

6116620

Eastings (6 digits)

286146

Northings (7 digit)

6116709

Start time (24hr)

21.40

End time (24 hr)

22.20

Weather Details

At start of survey, record:

Cloud cover*

8

Wind direction and speed*

2

Rain*

3

Temperature (°C)

20.1°C

Moon*

0

Comments

3

1

[illegible]

GBF call playback

VINCENTIA 0011282

Survey Details

Date of survey

2/12/03

Name of surveyor

ML + KG

Contact number

8584 8888

Name of person analysing calls

ML

Contact number

Total effort expressed in person hours

1 hr

Location Details

Location (including basic habitat) description

GPS #1 - Creekline NE of A5/B1

Waterlogged, shallow swamp - surrounded by Melaleuca

Call playback 5mins + Listening 10mins x 2 times.

Play backs conducted 150m apart.

Map number

9027-4-N

Map name

Huskisson

Type of survey, eg. transect or quadrat

Transect

AMG Zone

56

Active or passive search

Call playback

Size of survey area (ha)

~300m

Survey area

Eastings (6 digits)

285 986

Northings (7 digits)

6116487

Eastings (6 digits)

286 061

Northings (7 digit)

611620

Start time (24hr)

2130-2145

End time (24 hr)

2200-2215

Weather Details

At start of survey, record:

Cloud cover*

95-100%

Wind direction and speed*

0 - still

Rain*

Lightly sprinkling

Temperature (°C)

20.1°

Moon*

Not visible

Comments

Heavy rain in previous 48 hrs

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

VINCENTIA 0011282

Survey Details

Date of survey 4-12-03

Name of surveyor NG + RB Contact number 8584 8888

Name of person analysing calls " " Contact number

Total effort expressed in person hours 2hrs

Location Details

Location (including basic habitat) description Middle creek near transect C4
3 locations ~100m apart

Map number 9027-4-N Map name Huskisson

Type of survey, eg. transect or quadrat Transect AMG Zone 5b

Active or passive search Call playback Size of survey area (ha) ~300m

Survey area

Eastings (6 digits)	<u>285955</u>	Northings (7 digits)	<u>6116394</u>
Eastings (6 digits)	<u>285896</u>	Northings (7 digit)	<u>6116339</u>
Start time (24hr)	<u>22.20</u>	End time (24 hr)	<u>23.20</u>

Weather Details

At start of survey, record:

Cloud cover*	<u>7/8</u>
Wind direction and speed*	<u>0</u>
Rain*	<u>0</u>
Temperature (°C)	<u>21.7</u>
Moon*	<u>3/4</u>

Comments

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

VINCENTIA 0011282

Survey Details

Date of survey

4/12/03

Name of surveyor

Jemma Sargent

Contact number

8584 8888

Name of person analysing calls

" "

Contact number

Total effort expressed in person hours

1.5

Location Details

Location (including basic habitat) description

Transect along + beside creekline on south east side of middle Creek.

5 min playback + 10 min listen

at 100m intervals x 4.

Map number

9027-4-10

Map name

Hudson

Type of survey, eg. transect or quadrat

Transect

AMG Zone

5b

Active or passive search

Passive

Size of survey area (ha)

~400m

Survey area

Eastings (6 digits)

285896

Northings (7 digits)

6116339

Eastings (6 digits)

285986

Northings (7 digit)

6115487

Start time (24hr)

9.15 pm

End time (24 hr)

10.45

Weather Details

At start of survey, record:

Cloud cover*

—

Wind direction and speed*

—

Rain*

—

Temperature (°C)

20.7

Moon*

1/2

Comments

Very humid - following

2 weeks of solid rain.

* See Appendix 1: Standard reporting codes

VINCENTIA 0011282

Survey Details

Date of survey 4-12-03

Name of surveyor W + KG Contact number 8584 8888

Name of person analysing calls — Contact number —

Total effort expressed in person hours 2

Location Details

Location (including basic habitat) description Western most creek. ~~8~~ call playback

① = on creek

② = adjacent pond further up creek

③ = " " " " " " " " with yabby holes

④ = " " " " " " " "

Map number — Map name HOCKLESSON

Type of survey, eg. transect or quadrat Point call AMG Zone 56

Active or passive search ~~Active~~ Passive Size of survey area (ha) ~ 400m

Survey area Eastings (6 digits) 285 542 Northings (7 digits) 6116559

Eastings (6 digits) 285 635 Northings (7 digit) 6116929

Start time (24hr) 0430 End time (24 hr) 1030

Weather Details

At start of survey, record: Cloud cover* ~~8~~ 7/8

Wind direction and speed* 0 Rain* 0

Temperature (°C) 21.7 Moon* 3/4

Comments Very quiet

Attachment 1:

Sib

9

Nothing

②

Cornus signifera
yabbies

3

Cornia siginfera

④

Comia signifera

Lyrodynastes peronii

* See Appendix 1: Standard reporting codes

VINCENTIA 0011282



Survey Details

Date of survey 29 11 2014
 Name of surveyor R Hunt + Tammy Contact number 8584 - 8823
 Name of person analysing calls Henderson Contact number 8584 - 8873
 Total effort expressed in person hours 4 hrs

Location Details

Location (including basic habitat) description Standing areas of H₂O along from ridge down to middle creek off Moona Ck. Rd to the west.
Large hole areas.

Map number Huskisson Map name 9027-4-NO.

Type of survey, eg. transect or quadrat _____ AMG Zone _____

Active or passive search Active. Size of survey area (ha) _____

Survey area Eastings (6 digits) 288380 Northings (7 digits) 6116822

Eastings (6 digits) _____ Northings (7 digit) _____

Start time (24hr) _____ End time (24 hr) _____

Several seasons during day.

Weather Details

At start of survey, record: _____ Cloud cover* 100 - 50%

Wind direction and speed* Slight Rain* _____

Temperature (°C) 26 Moon* _____

Comments Humid.

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

VINCENTIA 0011282



Survey Details

Date of survey

30/12/04.

Name of surveyor

Al Hunt

Contact number

8584-8823

Name of person analysing calls

Tammy Haskin

Contact number

8584-8873.

Total effort expressed in person hours

6 hrs

Location Details

Location (including basic habitat) description

Water holes in most western creek & surrounds up to ridge line to the east.

Map number

Huskinson

Map name

9027-4-N.

Type of survey, eg. transect or quadrat

targeted

AMG Zone

56

Active or passive search

Active

Size of survey area (ha)

Survey area

Eastings (6 digits)

286310

Northings (7 digits)

6117153

Eastings (6 digits)

285635

Northings (7 digit)

611929

Start time (24hr)

End time (24 hr)

Several sessions during day

Weather Details

At start of survey, record:

Cloud cover*

100%

Wind direction and speed*

slight

Rain*

Temperature (°C)

28

Moon*

Comments

Humid

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

VINCENTIA 0011282

Survey Details

Date of survey

5/2/04.

Name of surveyor

M. Hunt

Contact number

8584 8823

Name of person analysing calls

Jacqui Caughlan

Contact number

8584 8862

Total effort expressed in person hours

2

Location Details

Location (including basic habitat) description

Western creekline in deep hde with H₂O remaining. Some quite deep. Scoop not used.

Map number

9027-4-N

Map name

Hudsonian

Type of survey, eg. transect or quadrat

Targetted

AMG Zone

30

Active or passive search

Active

Size of survey area (ha)

Survey area

Eastings (6 digits)

285 635

Northings (7 digits)

6116929

Eastings (6 digits)

Northings (7 digit)

Start time (24hr)

3:35

End time (24 hr)

4:40.

Weather Details

At start of survey, record:

Cloud cover*

—

Wind direction and speed*

Rain*

Temperature (°C)

≈ 26°C.

Moon*

Comments

Humid.

Attachment 1:

[illegible]

* See Appendix 1: Standard reporting codes

OPPORTUNISTIC FAUNA SIGHTINGS

Notes on Opportunistic records off site



Observation type

Use the following codes:

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

MH (microhabitat) type

Use the following codes:

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

ON 5/13

All - ML, RB, KG

Call analysis

Transect A1/C1 - Commercial

VINCENTLA 0011282

[illegible]

** Include initials of observer and any other information that will help relocation of site.

**Please include initials of observer.

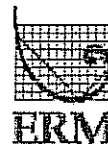
AGM Zone
Map name

Map number
Grid references

9027-4-N

VINCENTIA 0011282

**For fauna and threatened flora detected opportunistically from standard survey sites.
One area per sheet.**



Area: easement + edge of site - residential
SE of Moana Cr Rd.

[illegible]

* See over

**Please include initials of observer.

SCA 1 EFF.

Map name

Grid references

VINCENTIA 0011282

One area per sheet.



Area: Transect in heathland on Residential

[illegible]

**Please include initials of observer.

**Please include initials of observer.

**Please include initials of observer.

Start 9:00 finish 12:00

VERTEBRATE FAUNA SURVEY OPPORTUNISTIC RECORDS AT STANDARD SURVEY SITES

AGM Zone 6 persons 56 Map number 9027-4-N
 Map name Huskisson Grid references VINCENTIA 0011282
= 18ph.

For fauna and threatened flora detected opportunistically from standard survey sites.
 One area per sheet. Scat + track search



Area: Transect along western creekline
- Western and eastern 0 - 50m from water

Date/ time (24 h)	Site	Sp. Code	Species Name	No Ind	Obs. type*	MH type*	Breed. type*	Notes**
01/12/03	Res							
01/12/03	Res							Scat 8
01/12/03	Res							Scat 6
01/12/03	Res							Scat 2.
01/12/03	Res							Scat 4
01/12/03	Res							Scat 5
1/12/03	Res							Scat 9 (tracks nearby)
1/12/03	Res							Scat 7 - Back c5
1/12/03	Res							Scat 3
1/12/03	Res							Scat 1
1/12/03	Res							Trace 1 - Scribbly

* See over

**Please include initials of observer.

Konael Baker
Alison Hunt

Surveyor's contact details

Fauna surveyors

Call analysis

AGM Zone

56

VINCENTIA 0011282



01/12/03	08-50
01/12/03	

Pseudochromis
peregrinus

1	2
---	---

deadon road !
approx 20m from
site

* See over

** Include initials of observer and any other information that will help relocation of site.

VERTEBRATE FAUNA SURVEY OPPORTUNISTIC RECORDS AT STANDARD SURVEY SITES

AGM Zone

Map name

50
MUSKISSON

Map number

Grid references

9027-4-2

VINCENTIA 0011282

For fauna and threatened flora detected opportunistically from standard survey sites.

One area per sheet.



Area: COMMERCIAL SITE - NEAR LEISURE CENTRE
(DURING 4 PARROT SURVEYS)

Date/ time (24 h)	Site	Sp. Code	Species Name	No. Ind	Obs. type*	MFI type*	Breed. type*	Notes**
0500	Comm		POWERFUL OWL	1	W	?		Peter expert - Individual heard @ 290°
"	"		SOUTHERN BASSOCK	1	W	?		from sewage system. 5-6 calls.
"	"		SOOTY THYRUPEN	2	W	LS		7-E
"	"		GREY BUTCHERBIRD	1	W	UC		"
"	"		LAUGHING KOOKABURRA	2	W	UC		"
"	"		RUFUS WHISTLER	1	W	MC		"
"	"		RAINBOW LORIKEET	3	O	AC		"
"	"	0408	GREY SHRIKE THRUSH	1	W	MC		"
"	"		AUSTRALIAN MAGPIE	2	O	UC		"
"	"		AUSTRALIAN WOOD DUCK	1	O	GR		"
"	"		RED WHISTLEBIRD	1	W	MC		"
"	"		EASTERN WHISTLEBIRD	2	W	GR		"
"	"		OLIVEBACKED DROOPE	1	W	UC		
"	"		COMMON KOOL	1	W			
"	"		EASTERN YELLOWBROW	1	W	MC		
"	"		GREY FANTAIL	1	W	LS		
"	"		Y.T.B. COCKATOO	2	W	?		
"	"	558	W. THROAT LORIKEET	1	W	?		
"	"		S.C. COCKATOO	1	O	UC		
"	"		VARIATED FLYCATCHER	2	W			

* See over

** Please include initials of observer.

VARIED SITTELLA 3 O UC

1/12/2003

56
Husni

9027-4-2



ERM

DURING BRISTLEBIRD SURVEY)

[illegible]

**Please include initials of observer.

1/12/2005

56

Hushisson

9027-4-N

286425 6116942

VINCENTIA 0011282

ERM

BRISTLEBIRD SURVEY)

After

**Please include initials of observer.

11/2/03

56
Husniison

01027-4-2



One area per sheet.

off.

Area: RESIDENTIAL - RECORDED DURING

HOLLOW COUNTS (TRANSECT 2)

**Please include initials of observer.

1/12/2003

286500 6116720

ERM

One area per sheet.

LOAD

—

**Please include initials of observer.

1/12/2003

Map name

Sb
Huskuissan

Grid references

9027-4-N.
286199 6116210

VINCENTIA 0011282

FRM

Area:

RESIDENTIAL

[illegible]

**Please include initials of observer.

2/12/2003

9027-4-N



Area: COMMERCIAL (OPP. RECORDS RECORD)
DRINK G. PARKER SURVEY) - NEAR LEISURE CENTRE

[illegible]

* See over

**Please include initials of observer.

2/12/2003

VERTEBRATE FAUNA SURVEY OPPORTUNISTIC RECORDS AT STANDARD SURVEY SITES

AGM Zone

Map name

36
Hudson

Map number

Grid references

9027-4-N

VINCENTIA 0011282

For fauna and threatened flora detected opportunistically from standard survey sites.

One area per sheet.



Area: COMMERCIAL - OPP RECORDS

RECORDED DURING C. PARROT SURVEY @ SITE NEAR LEISURE CENTRE

Date/ time (24-h)	Site	Sp. Code	Species Name	No Ind	Obs. type*	MH type*	Breed. type*	Notes**
1940			CRINIA SIGNIFERA	~50	W	GR/WW		PETER ELLERT
"			YELLOW-TAILED BLACK COCKATOO	9	O	UC		"
"			RUFOUS WHISTLER	1	W			"
"			EASTERN Y ROBIN	1	W			"
"			NEW HOLLAND HONEYEATER	1	W			"
"		282	CRINSON ROSEOLA	1	W			"
"			LITORIA DENTATA	3	W	GR		"
"			GREY FANTAIL	1	W			"
"			GROUND PARROT	1	W			" - OFFSITE - NEAR OVAL
"			AUSTRALIAN KAMEN	1	W			PETER ELLERT
"			SUPERB FAIRY WREN	3	W			"
"			SOUTHERN ORCH WREN	2	W			"
"			GAZAM	1	W	AC		"
"			TADAKIDA AUSTRALIS	1	W	AC		"
"			AUSTRALIAN WOODDUCK	1	W	GR		"
"			PACIFIC BLACK DUCK	21	O	AC		"
"			LITORIA HERONI	1	W			"
"			LITORIA FREYENITI	1	OW			"

* See over

**Please include initials of observer.

**SPOTLIGHTING
&
STAGWATCHING**

SPOTLIGHTING & STAGWATCHING

SPOTLIGHTING SURVEY PROFORMA

VINCENTIA 0011282



Survey Details

Name of surveyor

Alison Hunt
Korae Baker

Contact number

8584 8888

Date of survey

24/11/03

On foot or in vehicle

Foot.

Number of surveyors

2

Total effort expressed in person hours

2

Length of transect or grid dimensions

meander
~500m

Number of lights

2

Wattage of spotlight

100W

Location Details

Location (including basic habitat) description

In the location of A8/B4 near "Preg" pond, up track + back down to Onog pond.

Map name

Huskisson

Map number

9027-4-N.

AMG Zone

56

Start details

Easting (6 digits)

~ 28600

Finish details

Eastings (6 digits)

Northing (7 digits)

~ 6117200

Northing (7 digits)

Start time (24 hr)

19:55
20:40

End time (24 hr)

20:40 Stagwatch
21:25 Spotlight

Weather Details

At start of survey, record Cloud cover*

895

Moon*

—

Wind direction and speed*

NW slight

Rain*

On + off showers

Temperature (°C)

~ 18°

Comments

Rainy + squally for 2 days

Spotlighting + stagwatching

SPOTLIGHTING & STAGWATCHING

SPOTLIGHTING SURVEY PROFORMA

VINCENTIA 0011282

Survey Details

Name of surveyor Meg + Tammy Contact number 8584 8888
 Date of survey 24-11-03 On foot or in vehicle on foot
 Number of surveyors 2 Total effort expressed in person hours Spotlighting: 1.5 hrs.
 Length of transect or grid dimensions meander ~ 500m Number of lights 2
 Wattage of spotlight 100W Stagwatching: 80 min

Location Details

Location (including basic habitat) description Residential along Commercial Site Creek near transect C4 and east of this area.

Map name Huskisson Map number 9027-4-N
 AMG Zone 56
 Start details Easting (6 digits) 285955 Finish details Eastings (6 digits) _____
 Northing (7 digits) 6116374 Northing (7 digits) 9.15
 Start time (24 hr) spotlighting: 8.30pm End time (24 hr) spotlighting: 8.30pm
stagwatching: 7.50pm stagwatching: 8.30pm

Weather Details

At start of survey, record Cloud cover* 90-100% Moon* —
 Wind direction and speed* NW slight Rain* Raining on + off
 Temperature (°C) ~18°

Comments

Cold, heavy rain

STAGWATCHING & SPOTLIGHTING

SPOTLIGHTING SURVEY PROFORMA

VINCENTIA 0011282



Survey Details

Name of surveyor

~~Alison Hunt~~
Tommy Haslehurst

Contact number

8584 8888

Date of survey

25-11-03

On foot or in vehicle

on foot

Number of surveyors

2

Total effort expressed in person hours

80min stagwatching
1hr 40m spotlighting

Length of transect or grid dimensions

meander

Number of lights

2

Wattage of spotlight

100W

Location Details

Location (including basic habitat) description

Residential site east of transect C4 and further east into woodland

Map name

Huskinson

Map number

9027-4-N.

AMG Zone

56

Start details

Easting (6 digits)

285986

Finish details

Easting (6 digits)

Northing (7 digits)

6116487

Northing (7 digits)

Stagwatching start: 7.50pm

Start time (24 hr) spotlighting: 8.30pm

End time (24 hr)

finish: 8.30pm
finish: 9.20pm

Weather Details

At start of survey, record Cloud cover*

20% to begin then 80%

Moon*

Wind direction and speed*

Rain*

2 - drizzle

Temperature (°C)

14.6°

Comments

STAGWATCHING & SPOTLIGHTING

SPOTLIGHTING SURVEY PROFORMA

VINCENTIA 0011282



Survey Details

Name of surveyor Mya Lorang
Renee Baker Contact number 85848888

Date of survey 25-11-03 On foot or in vehicle Foot

Number of surveyors 2 Total effort expressed in person hours 4 p.h. (include 80min of stag watching)

Length of transect or grid dimensions Meander Number of lights 2

Wattage of spotlight 100W

Location Details

Location (including basic habitat) description Northern corner of site close to perimeter - end of 'B4' transect

Map name Huskisson Map number 9027-4-N.

AMG Zone 5b

Start details Easting (6 digits) 286176 Finish details Eastings (6 digits) _____

Northing (7 digits) 6117186 Northing (7 digits) _____

Start time (24 hr) 7.15pm End time (24 hr) 9.15pm

NB 40 mins spent stag watching

Weather Details

At start of survey, record Cloud cover* 2 Moon* 0

Wind direction and speed* _____ Rain* 2

Temperature (°C) 14.6°C

Comments _____

STAGWATCHING & SPOTLIGHTING

SPOTLIGHTING SURVEY PROFORMA

VINCENTIA 0011282



Survey Details

Name of surveyor

Meg Loring
Renee Baker

Contact number

85848888

Date of survey

26-11-03

On foot or in vehicle

Foot

Number of surveyors

2

Total effort expressed in person hours

2 hrs 40 min ph.
(includes 80 min stagwatching)

Length of transect or grid dimensions

meander
~500m
100m

Number of lights

2

Wattage of spotlight

Location Details

Location (including basic habitat) description

edge of site w/ NP Ma c. 20m W from
Moona Ck Road, Spotted gums, Bloodwoods (stagwatching)

Map name

Huskisson

Map number

9027-4-N.

AMG Zone

56

Start details

Easting (6 digits)

-35.0688

Finish details

Easting (6 digits)

Northing (7 digits)

150.659

Northing (7 digits)

Start time (24 hr)

19.50

End time (24 hr)

20.30

(stagwatching)

20.30

21.50

(spotlighting)

Weather Details

At start of survey, record Cloud cover*

3

Moon*

1

Wind direction and speed*

slight

Rain*

1

Temperature (°C)

14.2

Comments

No wind, mild weather, intermittent rain

[illegible]

* See Appendix A Standard reporting codes

SPOTLIGHTING SURVEY PROFORMA

VINCENTIA 0011282

Survey Details

Name of surveyor Alison Hunt
Tammy Haslehurst Contact number 8584 8888
 Date of survey 26-11-03 On foot or in vehicle on foot
 Number of surveyors 2 Total effort expressed in person hours 4 (includes stag)
 Length of transect or grid dimensions meander
~600m Number of lights 2
 Wattage of spotlight 100W

Stag watching 45mins. 2 trees as per bebu
No emergences

Location Details

Location (including basic habitat) description Middle Ck. ~150m from C4
Spotlighting along middle Ck. ~600m N from C4.

Map name Huskisson Map number 9027-4-N
 AMG Zone 56
 Start details Easting (6 digits) 285866 Finish details Eastings (6 digits) _____
 Northing (7 digits) 6116555 Northing (7 digits) _____
 Start time (24 hr) 19:55 End time (24 hr) ~~20:00~~ 22:00

Weather Details

At start of survey, record Cloud cover* 95% 10 Moon* New moon
 Wind direction and speed* Slight Rain* Intermittent
 Temperature (°C) 14.2
 Comments Intermittent downpours all day

Den tree WP# 26 285367 / 6116555.

Stag tree Tam 26/11 WP# 24 285860 / 6116416
DE 25 919 619

4th day of rain

* See Appendix A Standard reporting codes

STAGWATCHING + SPOTLIGHTING

SPOTLIGHTING SURVEY PROFORMA

VINCENTIA 0011282



Survey Details

Name of surveyor

Alison Hunt
Tammy Haskins

Contact number

8584 8885

Date of survey

27-11-03

On foot or in vehicle

On foot includes

Number of surveyors

2

Total effort expressed in person hours

4 (2 hrs of stagwatching)

Length of transect or grid dimensions

≈ 600m

Number of lights

2

Wattage of spotlight

100W

Location Details

Location (including basic habitat) description

Stagwatching for 1hr 2 trees ✓

Adjacent to creek line + Moana Moana Creek Road western part of residential site Middle Creek. (boundary of site + NP)

Map name

Huskisson

Map number

9027-4-N

AMG Zone

56

Start details

Easting (6 digits)

286414

Finish details

Eastings (6 digits)

-35.0679

Northing (7 digits)

6116913

Northing (7 digits)

150.657

stagwatching start: 7.45pm
Start time (24 hr) start: 8.45pm

finish: 8.45pm
End time (24 hr)

10.30pm

Weather Details

At start of survey, record Cloud cover*

0 - nil

Moon*

1/4 moon - 1

Wind direction and speed*

nil

Rain*

none

Temperature (°C)

15.4°C

Comments

Den tree WP 30 E 286414N 6116913

Stag tree - Alison #29

Stag tree - Tammy #28

Spotlighted from Den tree 30 → N to WP 31 → W to 32 + back to Den tree
il from ck up ridge to sclerophyllus veg.
→ No VBA above creek.

SPOTLIGHTING SURVEY PROFORMA

VINCENTIA 0011282

Survey Details

Name of surveyor

Renee Baker
Meg Lawang

Contact number

85 84 88 88

Date of survey

27-11-03

On foot or in vehicle

Foot

Number of surveyors

2

Total effort expressed in person hours

~~1.2~~ 3.20h

Length of transect or grid dimensions

meander
~ 600m

Number of lights

2

(includes 80min stag watching)

Wattage of spotlight

100W

Location Details

Location (including basic habitat) description

30m west of Moona Creek Road
at perimeter w/ J.N.P.

Map name

Huskisson

Map number

9027-4-N

AMG Zone

56

Start details

Easting (6 digits)

-35.0685

Finish details

Eastings (6 digits)

Northing (7 digits)

150.659

Northing (7 digits)

Start time (24 hr)

19.50

End time (24 hr)

21.10

Weather DetailsAt start of survey, record
Cloud cover*

2

Moon*

1

Wind direction and speed*

nil

Rain*

0

Temperature (°C)

15.4°C

Comments

clear night, no rain

* See Appendix A Standard reporting codes

SPOTLIGHTING SURVEY PROFORMA

VINCENTIA 0011282

Survey Details

Name of surveyor Nicole/Jemma Contact number 8584 8888

Date of survey 2.12.03 On foot or in vehicle foot

Number of surveyors 2 Total effort expressed in person hours 2.5 ✓

Length of transect or grid dimensions Meander ~ 300m Number of lights 2

Wattage of spotlight 100W

Location Details

Location (including basic habitat) description open forest

Map name Huskisson Map number 9027-4-N

AMG Zone 56

Start details Easting (6 digits) ~~220~~ 35.0722 Finish details Eastings (6 digits) _____

Northing (7 digits) 150.654 Northing (7 digits) _____

Start time (24 hr) 19.50 End time (24 hr) 20.20 stagwatch

20.30 21.15

Weather Details

At start of survey, record Cloud cover* 100% 8/8 Moon* 0

Wind direction and speed* 0 Rain* 0 - light .1

Temperature (°C) 20.1

Comments _____

SPOTLIGHTING SURVEY PROFORMA

VINCENTIA 0011282

Survey Details

Name of surveyor

Renae Baker
Nicole Gerrard
Meg Loang

Contact number

85848888

Date of survey

2/12/03

On foot or in vehicle

foot

Number of surveyors

3

Total effort expressed in person hours

5 ph

Length of transect or grid dimensions

Meander

Number of lights

3

Wattage of spotlight

~ 800m
(100m)Location Details

Location (including basic habitat) description

Residential site, western side of middle creekline

Map name

Huskisson

Map number

9027-4-N.

AMG Zone

5b

Start details

Easting (6 digits)

35-0688

Finish details

Easting (6 digits)

Northing (7 digits)

150.659

Northing (7 digits)

Start time (24 hr)

19:45

End time (24 hr)

21:25

Weather Details

At start of survey, record Cloud cover*

8

Moon*

0

Wind direction and speed*

2

Rain*

3

Temperature (°C)

20°C

Comments

GPS 2

[illegible]

* See Appendix A Standard reporting codes

SPOTLIGHTING SURVEY PROFORMA

VINCENTIA 0011282

Survey Details

Name of surveyor

Meg Loring
Kristy Graham

Contact number

8589 8888 (ERM)
0407 070573 (Meg)

Date of survey

2/12/03

On foot or in vehicle

Foot

Number of surveyors

2

Total effort expressed in person hours

4

Length of transect or grid dimensions

meander
~500m

Number of lights

2

Wattage of spotlight

stagwatching for 1 hr 2 trees No emergences

Location Details

Location (including basic habitat) description

between transect A5/B1 and A7/B3. Tall open

Forest (Canopy Grey gums + Red bloodwoods ~~in~~ understorey

Map name

Huskinson

Map number

9027-4-N

AMG Zone

56

Start details

Easting (6 digits)

WPT99 35.0724

Finish details

Easting (6 digits)

Northing (7 digits)

150.653

Northing (7 digits)

Start time (24 hr)

8.40pm

End time (24 hr)

10.40pm

(stagwatching 8.40-9.40)

Weather Details

At start of survey, record Cloud cover*

100%

Moon*

w 1

Wind direction and speed*

0 km/h still

Rain*

1

Temperature (°C)

20.1°

Comments

2 hrs

[illegible]

* See Appendix A Standard reporting codes

SPOTLIGHTING SURVEY PROFORMA

VINCENTIA 0011282

Survey Details

Name of surveyor Nicole Renae Contact number 8584 8888

Date of survey 4.12.03 On foot or in vehicle foot

Number of surveyors 2 Total effort expressed in person hours 5 phrs

Length of transect or grid dimensions meander Number of lights 2

Wattage of spotlight 100W

Location Details

Location (including basic habitat) description woodland - west of ridge Road
opposite transects B3 A7 - stag watching
Spotlighting in SW direction from stags.

Map name Hudson Map number 9027-4-N

AMG Zone 5p

Start details Easting (6 digits) 285584 Finish details Eastings (6 digits) _____

Northing (7 digits) 6116743 Northing (7 digits) _____

Start time (24 hr) 19.45 End time (24 hr) 22.15

Weather Details

At start of survey, record Cloud cover* 7/8 Moon* 3/4

Wind direction and speed* 0 Rain* 0

Temperature (°C) 21.7

Comments _____

[illegible]

* See Appendix A Standard reporting codes

SPOTLIGHTING SURVEY PROFORMA

VINCENTIA 0011282

Survey Details

Name of surveyor W1 + KCG Contact number 8584 8888

Date of survey 4.12.03 On foot or in vehicle foot

Number of surveyors 2 Total effort expressed in person hours 2 hrs / spot

Length of transect or grid dimensions N/A Number of lights 2

Wattage of spotlight 1000W

Location Details

Location (including basic habitat) description

NW corner tall forest on boundary

Map name

Hushisson

Map number

9027-4-N

AMG Zone

50

Start details

Easting (6 digits)

285500

Finish details

Easting (6 digits)

Northing (7 digits)

616800

Northing (7 digits)

Start time (24 hr)

0830

End time (24 hr)

0930

Weather Details

At start of survey, record
Cloud cover*

3/8

Moon*

3/4

Wind direction and speed*

0

Rain*

0

Temperature (°C)

21.7

Comments

