

Hollow Log Homes

Nest Box Audit,
Coolum Beach February 2011



Yinneburra, Yaroomba Bushland Park, Point Arkwright, Springfield Ave Nature Reserve
Reserve on Yandina Coolum Road,



Squirrel Glider Colony

Petaurus norfolcensis

Springfield Ave Bushland Reserve
16th February 2011



BCS 400

Bo 16220 n. 2

Hollow Log Homes

Nest Box Audit,

Overview

Number of Boxes Checked 35

Number of Native species found using boxes 6

Bird 1, Mammal 4, Insect 1.

Yinneburra :

Number of Boxes installed :9

Date of Installation: 2001

Date of audit: 16th February 2011

Native species present: 0

Box usage by native species: Overall 5 boxes (62.5%)



Yaroomba Bushland Park:

Number of Boxes installed: 8

Date of Installation: 2001

Date of audit: 16th February 2011

Native species present:, 0

Box usage by native species: Overall 5 boxes (71%)



Point Arkwright

Number of Boxes installed: 4

Date of Installation: 2001

Date of audit: 16th February 2011

Native species present: 1 mammal species, 1 insect species

Box usage by native species: Overall 3 boxes (75%)

Boxes with native species present: 2 boxes,

Common Brushtail Possum

Native bees

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Springfeild Ave Bushland Reserve

Number of Boxes installed : 12

Date of Installation : 2000

Date of audit: 16th February 2011

Native species present: 2 mammal species

Box usage by native species: Overall 8 boxes (66.7%)

Boxes with native species present: 3 box,

Squirrel Glider colony, 1 colonic

Common Brushtail possum 2 animal



Yandina Coolum Road

Number of Boxes installed: 2

Date of Installation: 2001

Date of audit: 16th February 2011

Native species present: 1 mammal species

Box usage by native species: Overall 1 box (50%)

Boxes with native species present: 1 box,

Common Brushtail possum

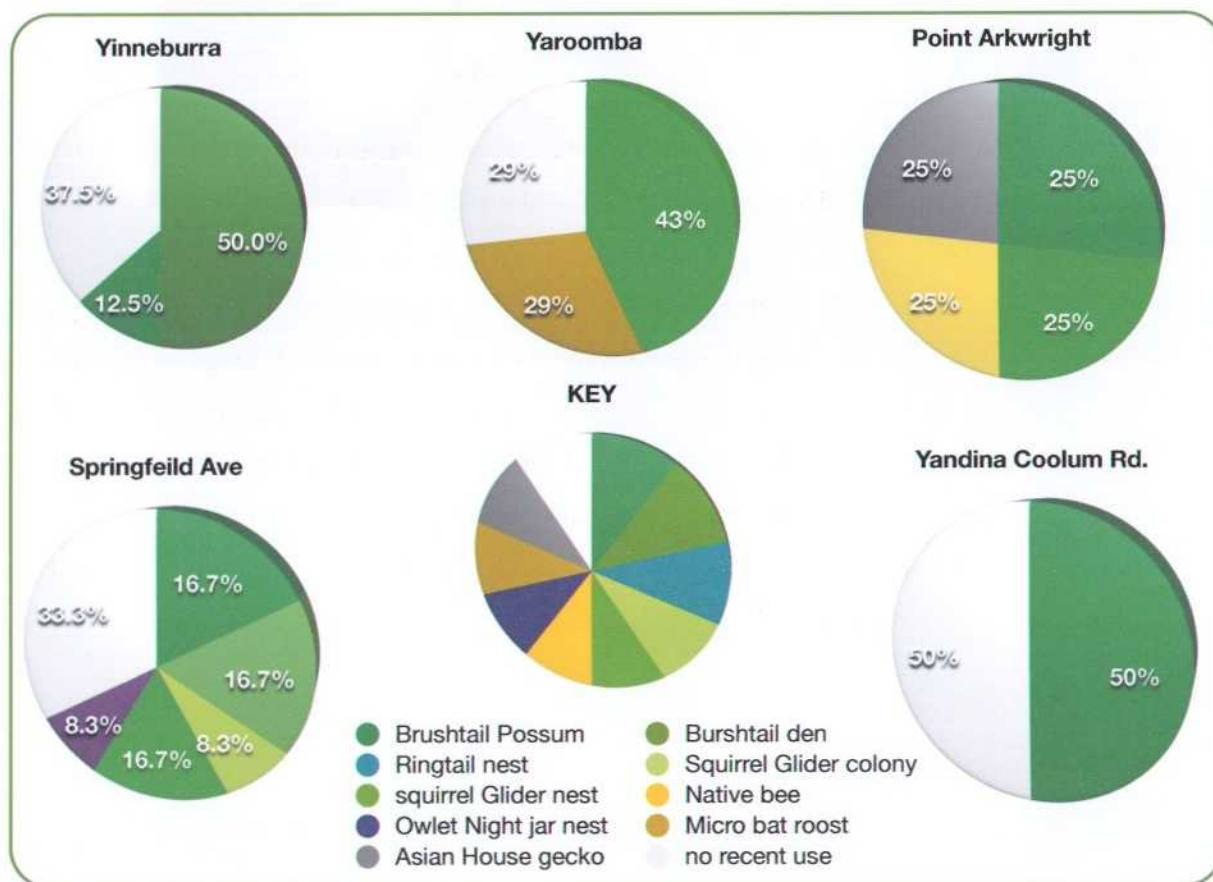
Discussion

Many of the boxes in this area have been up for 10 years and as such are reaching the end of their functionality. Several repairs were made to lids and two boxes were removed from the parks due to disrepair. Only one non native species was recorded in the boxes; an Asian house gecko at Point Arkwright, as this species does not hinder the use of boxes by native species it was left in place. The most abundant species across the five parks was the Common Brushtail Possum with 4 animals present in boxes and a further three boxes being used by this species. There were also signs that common ringtails had been using the boxes at several sites. A colony of Squirrel gliders were recorded at Springfeild Avenue while a further six boxes had nests of fresh eucalyptus leaves indicating recent activity by this species. There was evidence of Owlet night jar nesting in one box at Springfeild Ave and the native bee hive is still active at Point Arkwright.

Native Species Observed

Park	Boxes	Common Name	Scientific Name	Boxes with evidence of use	Boxes with animals present
Yinneburra	9	Ringtail possum	<i>Pseudocheirus peregrinus</i>	4	0
		Brushtail possum	<i>Trichosurus vulpecula</i>	1	0
Yaroomba	8	Gliders	<i>Petaurus</i> sp.	3	0
		Micro bat	<i>Microchiroptera</i>	2	0
Point Arkwright	4	Brushtail Possum	<i>Trichosurus vulpecula</i>	1	1
		Gliders	<i>Petaurus</i> sp.	1	0
		native bees	<i>Trigona carbonaria</i>	1	1
Springfeild Ave	12	Squirrel Glider,	<i>Petaurus norfolcensis</i>	3	1
		Brushtail Possum	<i>Trichosurus vulpecula</i>	4	2
		Owlet Night jar	<i>Aegotheles cristatus</i>	1	0
Coolum Yandina Road	2	Brushtail Possum	<i>Trichosurus vulpecula</i>	1	1

Results



Habitation Rate History

Park	December 2004	March 2006	February 2007	February 2011
Yinneburra	12.50%	60%	80%	62.50%
Yaroomba	26.60%	47%	47%	71%
Point Arkwright	29%	57%	80%	75%
Springfeild ave	70%	70%	89%	66.70%
Yandina Coolum Road	50%	100%	50%	50%



Yinneburra

Box Number	GPS	Box type	Condition of box	Observation	action taken
1	S26 32.952 E153 06.037	Small parrot	lid and wire need repair , rest of box in good order	no recent signs of habitation	new lid & rewired , moved to adjacent tree
2	S26 32.954 E153 06.039	Owlet night jar	Condition Ok will need a new lid next audit	evidence of use by ringtail possum	
3	S26 32.947 E153 06.039	small forest bird	ok	evidence of use by ringtail possum	
4	S26 32.945 E153 06.039	small forest bird	ecellent	no recent signs of habitation	
5	S26 32.936 E153 06.042	owlet night jar	ok	no recent signs of habitation	sprayed with eucaliptus and pryithium
6	S26 32.920 E153 06.044	small parrot	ok	evidence of use by ringtail possum	sprayed with eucaliptus and pryithium
7	S26 32.915 E153 06.051	glider	very good	hole chewed by parots evidence of use by ringtail possum	
8	S26 32.881 E153 06.042	triangle kookaburra	needs replaceing		Box is not salavageable have left in place untill next audit
9	S26 32.879 E153 06.046	possum	good	evidence of use by brushtail possum	

Yaroomba

Box Number	GPS	Box type	Condition of box	Observation	action taken
10	S26 32.896 E153 05.805	Bat	good	staining at entrance hole evidence of use by micro bats	
11	S26 32.896 E153 05.800	Bat	poor	no evidence of recent habitaion	
12	S26 32.909 E153 05.777	Bat	good	staining at entrance hole evidence of use by micro bats	
13	S26 32.926 E153 05.751	possum	poor		
14	S26 32.930 E153 05.829	small parrot	very poor		removed box due to poor condition
15	S26 32.988 E153 05.800	small parrot	good	fresh eucaliptus leaves indicatng recent use by gliders	
16	S26 32.999 E153 05.756	possum	very good	fresh eucaliptus leaves indicatng recent use by gliders	
17	S26 33.004 E153 05.753	small parrot	excellent	fresh eucaliptus leaves indicatng recent use by gliders	

Point Arkwright

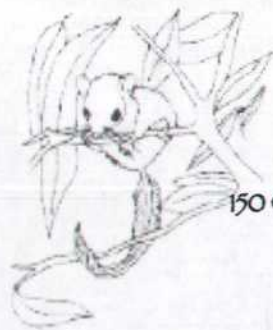
Box Number	GPS	Box type	Condition of box	Observation	action taken
18	S26 32.497 E153 05.822	small Parrot	new lid and wire required	brushtail possum in residance	new lid and rewired box , placed in adjacent tree
19	S26 32.517 E153 05.828	Kookaburra	good	asian house gecko in resendence	
20	S26 32.520 E153 05.834	small Parrot	good	native bee hive	
21	S26 32.512 E153 05.829	possum	rewire required	eucaliptus leaves indicating recent use by gliders	rewired box , sprayed with eucaliptus and pyrethium to deter ants

Springfeild Ave

Box Number	GPS	Box type	Condition of box	Observation	action taken
22	S26 31.340 E153 05.065	small Parrot	box in very poor condition		removed from tree
23	S26 31.336 E153 05.058	rear entry glider	excellent	glider colony	
24	S26 31.325 E153 05.052	possum	OK	evidence of possum use	
25	S26 31.347 E153 05.045	possum	excellent	evidence of possum use and owlet night jar	
26	S26 31.385 E153 05.054	Dollar Bird	poor	eucaliptus leaves indicating use by gliders, also evidence of use by larger possum	
27	S26 31.365 E153 05.073	King Parrot	very good	evidence of nesting by owlet night jar	
28	S26 31.347 E153 05.065	king parrot	poor, lid needs repair	common brushtail possum	
29	S26 31.344 E153 05.064	glider	very poor box eaten by white ants		
30	S26 31.343 E153 05.068	possum	Excellent however cap of camera port missing	evidence of use by possum	
31	S26 31.342 E153 05.070	Kookaburra	good	common brushtail possum in residence	
32	S26 31.341 E153 05.074	rear entry glider	poor	eucaliptus leaves indicating use by gliders, white ants have attacked box	sprayed with eucaliptus oil and pyrethium
33	S26 31.341 E153 05.075	Feather tail glider	OK	ant colony in box	
34	S26 31.336 E153 05.065	Owlet night jar	new		
35	S26 31.332 E153 05.052	possum	new		

Coolum /Yandina Road

Box Number	GPS	Box type	Condition of box	Observation	action taken
36	S26 32.155 E153 04.775	bat	very poor		
37	S26 32.167 E153 04.769	Dollar bird	entrance log very deteriorated	common brushtail	removed log



Hollow Log Homes

COPY

A.B.N. 85670540914

150 Chinaman Creek Road Cambrook, QLD. 4552

Email: info@hollowloghomes.com

Phone: 0754723142. Mob: 0419196621

Tax Invoice

Tax Invoice

Invoice #: 00000509
Date: 29/05/11
Page: 1
Your
Terms: Net 30th after EOM

Sunshine Coast Regional Council
Sunshine Coast Regional Council
Accounts payable
Locked Bag 72

Delivery Address:
Sunshine Coast Regional Council
Coolum Beach audit

Quantity	Item Code	Description	Unit Price (inc-GST)	Total (inc-GST)
35	0028	Nest box audit	\$40.00	\$1,400.00
5	0027	Standard installation	\$40.00	\$200.00
2	0033	New lid	\$10.00	\$20.00
1	W009	Owlet Night Jar	\$88.00	\$88.00
1	W025	Possum	\$84.00	\$84.00



Subtotal (ex-tax):	\$1,629.09
Freight (ex-tax):	\$0.00
GST:	\$162.91
Total (inc-GST):	\$1,792.00
Paid to Date:	\$0.00
Balance Due:	\$1,792.00

How to pay

Please note: Terms are strictly C.O.D. unless prearrangement has been made with accounts department. Completion certificates if required will only be issued on payment in full

by mail
Detach this section and mail your cheque
to...
Hollow Log Homes
150 Chinaman Creek Road



E.F.T. Electronic Funds Transfer
Bank: BENDIGO BANK
B.S.B: 633-000
Account number: 126116409
Account Name: Hollow Log Homes
Please include invoice number as reference
Invoice #: 00000509 Amount Due: \$1,792.00