
Hollow Log Homes

Nest Box Audit,
Port Of Brisbane Authority

Pritchard Road, Wynnum North Road, Perrin Creek

January - March 2012



Photo 1 Box number POB 13

Squirrel Gliders

Petaurus norfolcensis

Pritchard Road Buffer zone

Summary

1.1 Pritchard Road Buffer Zone: 28 Boxes

Date of Installation: 4th of June 2008

Date of previous audits: 27th of January 2010, 23rd March 2011

Date of Current Audit: 24th of January 2012

Native species present: 3 mammal species,

Box usage by native species: Overall 16 boxes (56%)

Boxes with native species present: 8 boxes (13%)

Squirrel Glider (2 colonies), Possums, (5 boxes ,7 animals) micro bats (1 colony)

Box Type	Small Parrot	Boobook Owl	Owlet Night jar	Wood duck	Possum	Glider	Microbat
Number Installed	4	2	3	2	2	7	8

1.2 Wynnum Road North, 18 Boxes

Date of Installation: 4th of June 2008

Date of previous audits: 27th of January 2010, 23rd March 2011

Date of Current Audit: 24th of January 2012

Box usage by native species: Overall 12 boxes (67%)

Boxes with native species present: 5 boxes, (28%)

Squirrel Glider (2 colonies), Possum,(2 animals),Native bees,(1 hive)

Box Type	Small Parrot	Boobook Owl	Owlet Night jar	Wood duck	Possum	Glider	Microbat
Number Installed	4	1	2	1	1	5	4

1.3 Perrin Creek: 10 Boxes

Date of Installation: 4th of June 2008

Date of previous audit: 27th of January 2010, 23rd of March 2011

Date of Current Audit 7th March 2012

7 boxes only audited

Box usage by native species: Overall 2 boxes (20%)

Box type	Small Parrot	Possum	Glider	Microbat
Number Installed	2	2	3	3

2. Discussion

One box needed repairs at this audit due to general wear and tear in the elements, all other boxes were found to be in good repair with no maintenance needed at this stage. No feral European bees were found in the boxes. Ants had colonies in several of the boxes, these boxes were sprayed with pyrethrum and eucalyptus to discourage the ants. Sites where boxes are placed were very overgrown with weeds, all sites will need to be slashed just before the next due audit in January 2013

2.1 Pritchard Road Buffer Zone

The habitation results from this site have remained fairly constant since the last audit, Two colonies of gliders were found and a further six boxes had signs of being used by this species. Five boxes contained Common Brushtail Possums. Three of these contained female animals with young. A further box had signs of recent use by possums, One box had a small colony of Goulds Wattled bats. Box POB03 had evidence that Introduced Indian Mynah birds had found the box, this box was moved into more dense vegetation to dissuade this species from using it as these birds will only nest in fairly clear areas. There is a high density of these birds in the area, we have observed them entering into several natural hollows within and adjacent to the buffer zone, As yet there has not been any evidence of actual nesting of this species in the nest boxes, they have however placed material in several boxes, each of which has now been relocated to more heavily vegetated areas within the buffer zone. Box POB 10 had evidence of mammal activity possibly melomys however as we did not observe the animal we could not make a positive identification. Two boxes have been removed from this site by persons unknown. This seems to be an annual occurrence on this site with boxes being removed and then replaced, presumably a local apiarist is taking boxes with feral bees in and returning the boxes when he has removed the bees.

2.2 Wynnum Road, North

Habitation rates have remained fairly constant at this site. The native bee colony in box number POB34 is still going strong. Four of the boxes have been extensively chewed around the entrance by parrots however there were no signs of nesting in these boxes. One box was in need of repair as the base had fallen out. No feral species were evident on this site. Box POB33 has a colony of feather tail gliders present, this is a new species for this site.

2.3 Perrin Creek

Due to the water on the ground and the fact that the grass was very long and the site quite overgrown we could only safely look in 7 of the 10 boxes, Parrots have chewed around the opening of two of the boxes however there was no evidence of nesting. Box 06 had a wood duck nest. Box number 07 looked to have a feather ail gliders nest built inside, this is a new species for this site. All boxes checked were in good order with no maintenance or repairs needed.

Table 1 Native Species Mentioned

Common name	Scientific Name
Squirrel Glider	Petaurus norfolcensis
Common Brushtail Possum	Trichasourus vulpecular
Goolds wattled Bat	Chalinolobus gouldii
Native Bee	Trigona carbonaria
Wood Duck	Chenonetta jubata
Feather tail Glider	Acrobates pygmaeus

Table 2 Feral Species Mentioned

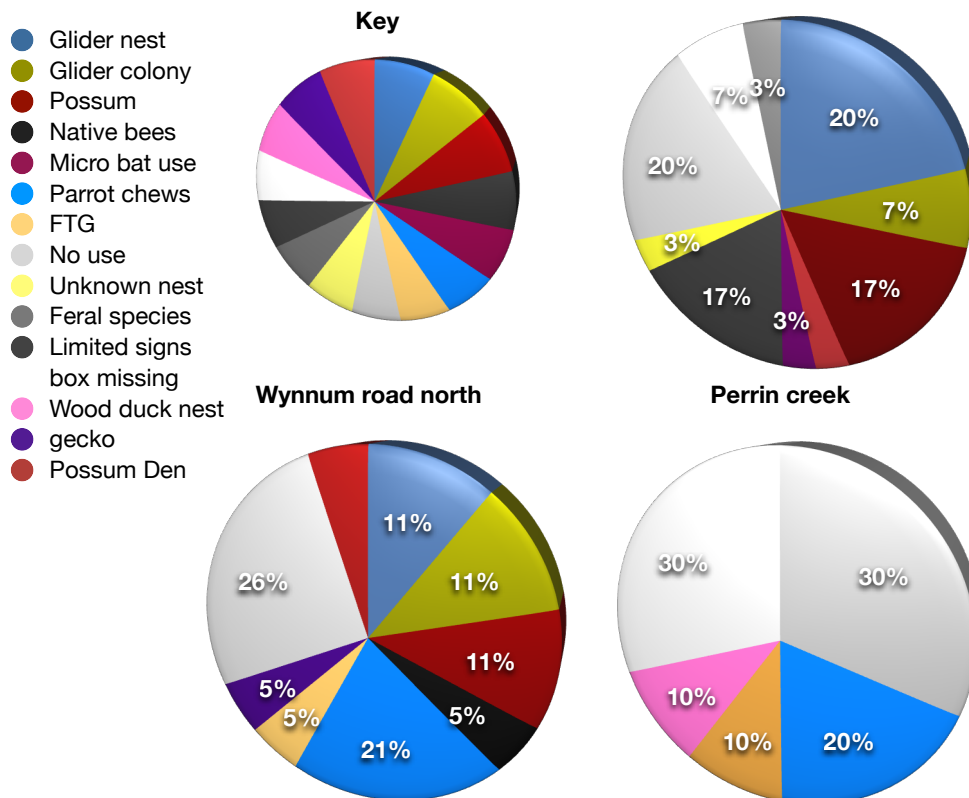
Common name	Scientific Name	Park	Box number	Action
Common Mynah	Acidotheres tristis	Pritchard	POBo3	Moved Box



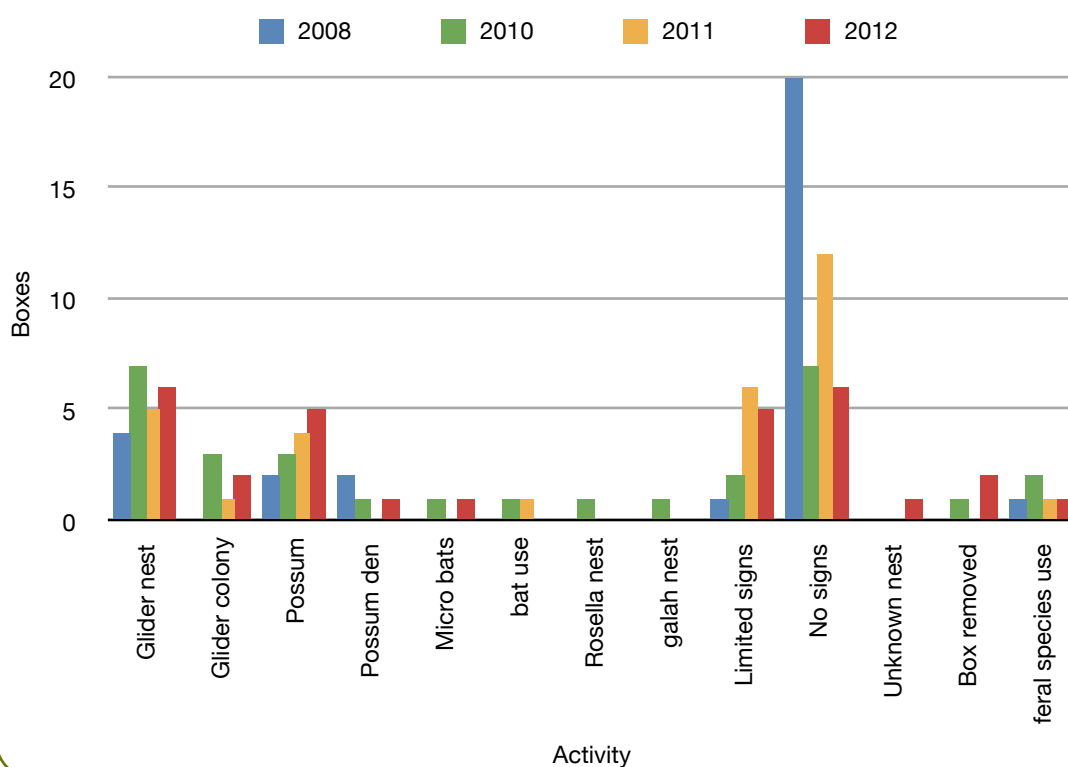
Photo 2 Box Number POB11 , Showing Common Brushtail

3.Results

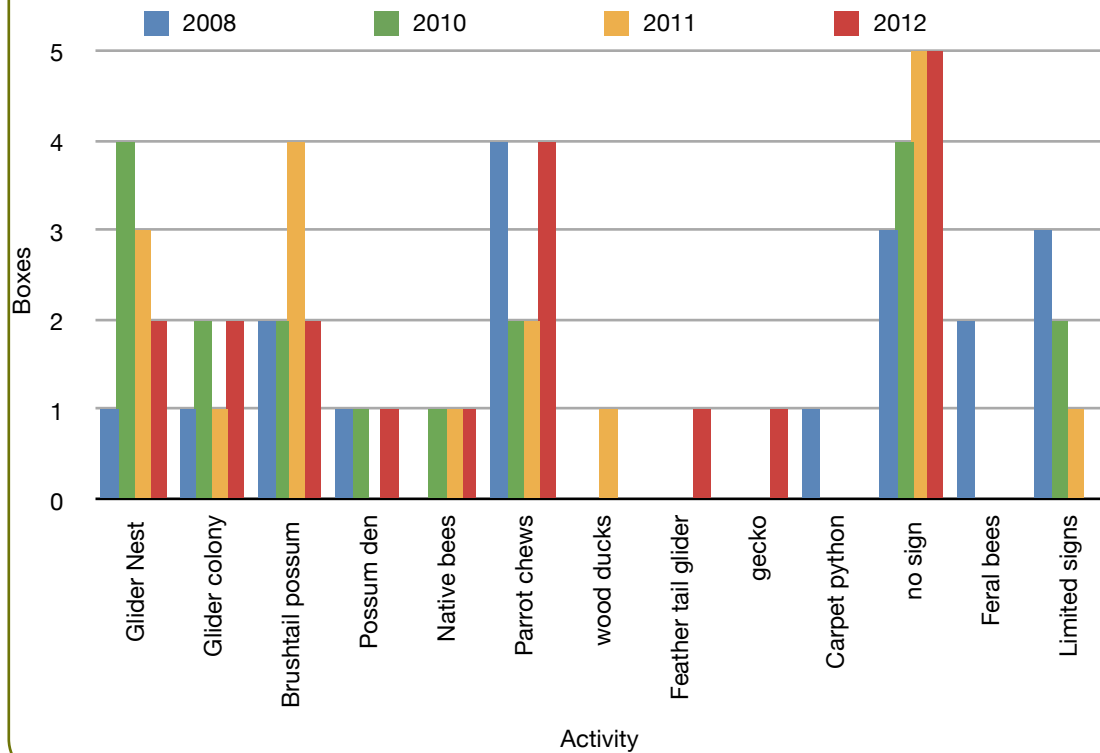
3.1 Habitation Rates 2012



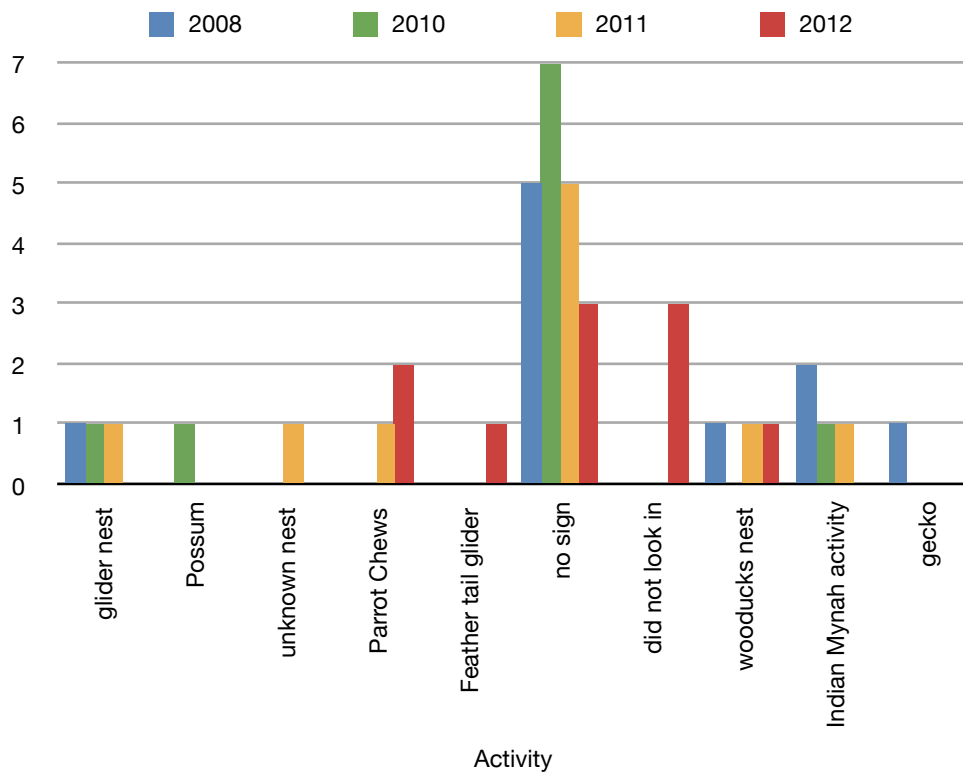
3.2 Habitation Pritchard Road 2008-2012



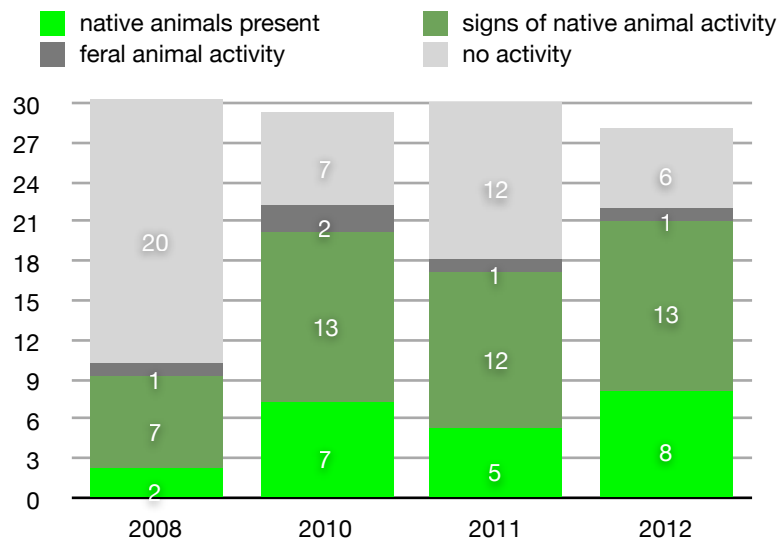
3.3 Habitation Wynnum Road North 2008-2012



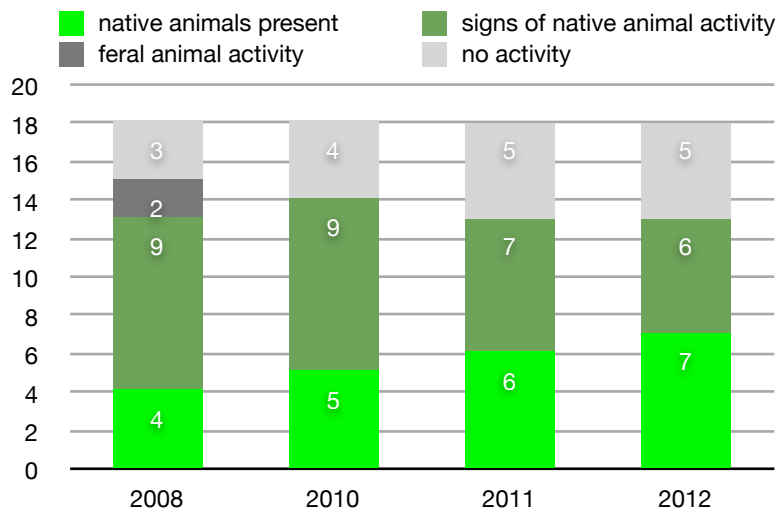
3.4 Habitation , Perrin creek 2008-2012



3.5 Nest Box Activity Pritchard Road 2008-2012



3.6 Nest Box Activity, Wynnum Road North 2008-2012



3.7 Nest Box Activity Perrin Creek 2008-2012

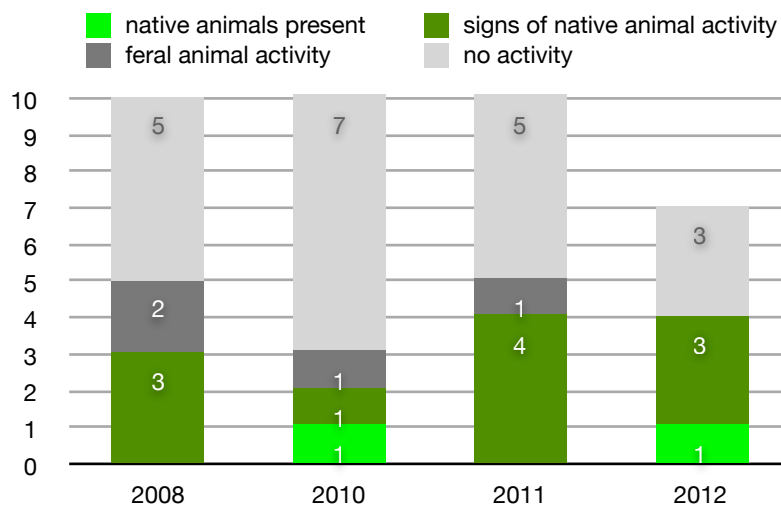


Table 3 . Box Usage

Park	species & number	Boxes with animals present	Boxes with evidence of use
Pritchard Road	Squirrel Glider, 2 colonies	POB13, POB23,	POBo1, POBo2, POBo4 POBo6, POBo9, POB29
	Micro bat	POB27	
	Brushtail possum 8 animals	POBo8, POB11, POB14, POB21, POB24	POB19
Wynnum Road North	Squirrel Glider, 2 colonies	POB36, POB41	POB38, POB40
	brushtail possum 3 animals	POB37, POB39,	
	Parrots		POB44, POB46, POB47
	Native bees	POB34	
	Feather tail glider colony	POB33	
Perrin Creek	Feather tail glider	7	
	Wood duck		6
	Parrots		O1, O2



Photo 3: Box Number POBo8, showing female Common Brushtail possum with young



Photo 4: Box Number POB_{L4}, showing common Brushtail



Photo 5 :Box Number POB_{ro} , showing parrot chewing around entrance hole



Photo 6 :Box number POB23 Showing colony of squirrel Gliders



Photo 7:Box Number POB 21 showing female Common Brushtail possum with advanced young



Photo 8 :Box Number POB39 , Showing Common Brushtail possum with pouch young



Photo 9 :Box Number POB 36 showing Squirrel Glider colony

Pritchard Road Buffer Zone

Box Number	Box Type	GPS Co-ordinates	Observation 2012	Action taken
POB01	Glider	S27 25.558 E153 09.558	Fairly old eucalyptus leaf nest indicating that gliders have not used the box recently, ants just starting to colonize box	Sprayed box with a mixture of eucalyptus and pyrethrum to discourage ants
POB02	Parrot	S27 25.563 E153 09.561	Fresh eucalyptus leaves indicating recent use by gliders	
POB03	Owlet	S27 25.557 E153 09.568	Indian Mynahs have found box,	Moved to new location
POB04	Glider	S27 25.544 E153 09.569	Fresh eucalyptus leaves indicating recent use by gliders	
POB05	Bat	S27 25.569 E153 09.578	no signs of recent habitation however no cobwebs over opening	
POB06	Owlet	S27 25.559 E153 09.589	fairly old eucalyptus leaf nest indicating that gliders have not used the box recently,	
POB07	Parrot	S27 25.554 E153 09.582	Entrance hole chewed by parrots, ant colony in box,	sprayed with Eucalyptus and pyrethrum to discourage ants
POB08	Boobook owl	S27 25.563 E153 09.508	Female Common Brush-tail possum with young	
POB09	Glider	S27 25.560 E153 09.581	Eucalyptus leaf nest , , indication that Gliders have used box	
POB10	Parrot	S27 25.558 E153 09.593	Entrance hole chewed, bits of bark and leaf inside , evidence of mammal scats in corners of box	
POB11	Boobook owl	S27 25.562 E153 09.599	Female Common Brush-tail possum with young	
POB12	Bat	S27 25.563 E153 09.580	Ant colony	sprayed box with a mixture of eucalyptus and pyrethrum to discourage ants
POB13	Glider	S27 25.565 E153 09.593	Glider colony	
POB14	Possum	S27 25.561 E153 09.600	Common Brushtail possum	
POB15	Bat	S27 25.564 E153 09.612	no signs of recent habitation however no cobwebs over opening	
POB16	Owlet	S27 25.565 E153 09.605	ant colony	sprayed box with a mixture of eucalyptus and pyrethrum to discourage ants
POB17	Glider	S27 25.568 E153 09.609	ant colony	sprayed box with a mixture of eucalyptus and pyrethrum to discourage ants
POB18	Bat	S27 25.566 E153 09.617	ant colony	sprayed box with a mixture of eucalyptus and pyrethrum to discourage ants
POB19	Wood Duck	S27 25.571 E153 09.620	Evidence of use by Brushtail possum	

Box Number	Box Type	GPS Co-ordinates	Observation 2012	Action taken
POB20	Parrot	S27 25.573 E153 09.632	Entrance hole chewed, no internal signs of use	
POB21	Possum	S27 25.572 E153 09.629	Female Common Brush-tail possum with young	
POB22	Bat	S27 25.579 E153 09.648	Ant colony	sprayed box with a mixture of eucalyptus and pyrethrum to discourage ants
POB23	Glider	S27 25.577 E153 09.632	Glider colony	
POB24	Wood Duck	S27 25.580 E153 09.645	common Brushtail possum	
POB25	Bat	S27 25.580 E153 09.645	no signs of recent habitation however no cobwebs over opening	
POB26	Bat	S27 25.578 E153 09.649	Ant colony	sprayed box with a mixture of eucalyptus and pyrethrum to discourage ants
POB27	Bat	S27 25.578 E153 09.653	Goulds wattled bats	
POB28	Glider	S27 25.571 E153 09.669	Box has been removed by persons unknown	
POB29	Glider	S27 25.563 E153 09.621	fresh eucalyptus leaves indicating recent use by gliders	
POB30	Parrot	S27 25.575 E153 09.675	Box has been removed by persons unknown	

Wynnum Road North

Box Number	Box type	GPS coordinates	Observations 2012
POB31	Glider	S27 25.401 E153 09.898	Ants,
POB32	Bat	S27 25.402 E153 09.898	No signs
POB33	Bat	S27 25.384 E153 09.900	Feather tail glider
POB34	Owlet	S27 25.390 E153 09.885	Native bee hive
POB35	Glider	S27 25.388 E153 09.884	Base had fallen out of box , repaired box and reinstalled
POB36	Glider	S27 25.390 E153 09.877	Glider colony
POB37	Possum	S27 25.397 E153 09.880	Common brushtail possum
POB38	Glider	S27 25.396 E153 09.879	Fresh eucalyptus leaves indicating recent use by gliders
POB39	Wood Duck	S27 25.393 E153 09.887	common brushtail possum
POB40	Boobook	S27 25.395 E153 09.871	Fresh eucalyptus leaves indicating recent use by gliders
POB41	Glider	S27 25.396 E153 09.872	Glider colony
POB42	Owlet	S27 25.402 E153 09.898	No sign of habitation
POB43	Bat	S27 25.420 E153 09.854	No sign of habitation
POB44	Parrot	S27 25.423 E153 09.905	Parrot chews around entrance hole
POB45	Bat	S27 25.423 E153 09.905	No sign of habitation
POB46	Parrot	S27 25.415 E153 09.883	parrot chews around entrance hole, ants
POB47	Parrot	S27 25.417 E153 09.880	parrot chews around entrance hole
POB48	Parrot	S27 25.398 E153 09.904	parrot chews around entrance hole

Perrin Creek

Box Number	Box Type	GPS location		observations
1	Small Parrot	S27 27.199	E153 04.673	Entrance hole chewed by parrots
2	small Parrot	S27 27.218	E153 04.655	Entrance hole chewed by parrots
3	Glider	S27 27.215	E153 04.654	No sign of habitation
4	glider	S27 27.218	E153 04.655	no sign of habitation
5	microbat	S27 27.216	E153 04.654	No sign of habitation
6	possum	S27 27.215	E153 04.650	Evidence of wood duck nesting
7	micro bat	S27 27.202	E153 04.698	Feather tail gliders
8	micro bat	S27 27.242	E153 04.609	Did not look in
9	glider	S27 27.253	E153 04.682	Did not look in
10	possum	S27 27.253	E153 04.682	Did not look in



Photo 10, Box number 6 , Perrin creek, showing remains of wood duck nest