
Hollow Log Homes

Nest Box Audit

Port Of Brisbane Authority

Pritchard Road, Wynnum North Road, Perrin Creek

January 31st 2013



Box Number POB13

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 of March 2011, 24th of January 2012

Date of Current Audit: 31st of January 2013

Native species present: 3 mammal species, 1 bird species

Box usage by native species: Overall 24 boxes (85%)

Boxes with native species present: 11 boxes (43%)

Squirrel Glider (3 colonies), Possums, (6 animals) micro bats (1 colony) Rainbow lorrieket (1 pair)

Box Type	Small Parrot	Boobook Owl	Owlet Night jar	Wood duck	Possum	Glider	Microbat
Number Installed	3	2	3	2	2	6	8

1.2 Wynnum North Road, 18 Boxes

Date of Installation: 4th of June 2008

Date of previous audits: 27th of January 2010, 23rd of March 2011, 24th of January 2012

Date of Current Audit: 31st of January 2013

Box usage by native species: Overall 14 boxes (78%)

Boxes with native species present: 8 boxes, (45%)

Squirrel Glider (2 colonies), Possum,(5 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, 7th of March 2012

Date of Current Audit 31st of January 2013

all 10 boxes audited this year.

Box usage by native species: Overall 5 boxes (50%)

Boxes with native animals present 1 Box , (10%) wood ducks,

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

2. Discussion

2.1 Pritchard Road Buffer Zone

The results for this years audit shows an increase of native animal activity with eleven boxes having native animals present and a further thirteen boxes showing signs of native fauna activity, Rainbow lorriquets were recorded nesting this year, this a new species for this site, squirrel glider number seem to be remaining constant with one extra box containing a single animal this year bringing the number of boxes with animals present up to four. One colony of micro bats were observed most likely goulds wattled bats however we did not get a positive ID. Common Brushtail possums were found in one extra box this was not surprising as in 2012 there were several females with young. No feral species were found to be using the boxes this year, the position of the boxes and the development of the understory seems to have deterred the Introduced Indian Mynahs that have previously nested in two of the boxes. All Boxes are in good order with no maintenance or repairs needed. Ant colonies were found in four boxes, these boxes were sprayed with a mixture of pyrethrum and eucalyptus.



Box number POBo7
Common Brushtail possum



Box number POBo2
Rainbow lorriquet



Box number POB23
Single female Squirrel glider

2.2 Wynnum North Road

The results for this site show a slight increase in activity there are five boxes containing common brushtail possums this year and only two in 2012. Box number 47 had quite a large amount of carpet snake feces indicating that the carpet snake has been using this box to shelter in. Two of the boxes are in need of lid repairs (boxes 37 and 44) however both boxes had resident brushtail possums, the lids will hopefully stay intact until next audit. The looseness of the lids is most likely a result of the possums constantly opening them to enter and exit. Two boxes contained colonies of Squirrel gliders a further three boxes had signs of being used by this species. The native bee hive in box 34 is still present, there were the beginnings of a feral European bee hive in box 36 however the honey comb was not fresh indicating that it was an unsuccessful hive. Box number 48 could not be looked in safely due to the understory growth, however it had fresh parrot chews around the opening.



Box number POB46
Common Brushtail possum



Box number POB35
Squirrel glider colony



Box number POB34
Native bee hive

2.3 Perrin Creek

All ten boxes were able to be audited this year, due to the major weed removal that has taken place . Wood ducks have used two of the boxes , one of these a parrot box had lost its lid, this box contained two wood duck eggs however they were old , it looked as though the nest had been abandoned , probably due to the small size of the box. The box not being big enough for wood ducks to nest in. The access by this species was only gained because the lid had fallen off , there was also evidence of ringtail possum activity in this box . Box number 79 a possum box contained four freshly laid wood duck eggs. This species will lay up to 12 eggs over a two week period and begin sitting when all eggs have been laid. Box number 8 contained a small gecko (most likely an asian house gecko) it also had staining at the entrance hole consistent with use by micro bats. , box number 10 had evidence of use by brushtail possum.

3. Tables

3.1 Native Species Mentioned

Common name	Scientific Name
Squirrel Glider	Petaurus norfolcensis
Common Brushtail Possum	Trichasourus vulpecular
Common Ringtail possum	Pseudocheirus peregrinus
Goulds wattled Bat	Chalinolobus gouldii
Native Bee	Trigona carbonaria
Wood Duck	Chenonetta jubata
Rainbow Lorikeet	Trichoglossus haematodus
Carpet Python	Morelia Spilota variegata

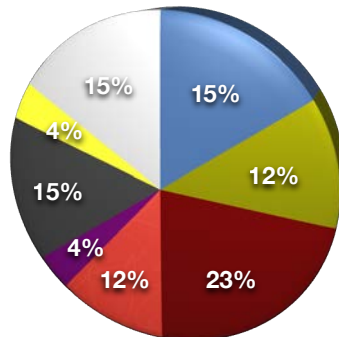
3.2 Box Usage

Park	species & number	Boxes with animals present	Boxes with evidence of use
Pritchard Road	Squirrel Glider,	13, 23, 29	1, 4, 9, 16,
	Micro bat	18,	27
	Brushtail possum	7, 8, 11, 14, 19, 21,	10, 20, 24,
	Rainbow Lorikeet	2,	
Wynnum North Road	Squirrel Glider,	31, 35	38, 41, 42,
	brushtail possum	37, 39, 40, 44, 46,	10,
	Parrots		48
	Native bees	34	
	Carpet Python		47
Perrin Creek	Wood duck	6	
	Parrots		1
	Micro bats		8
	Ringtail possum		2, 10

4. Result Graphs

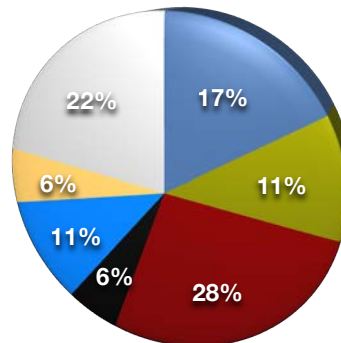
4.1 Habitation Rates 2013

4.1.1 Pritchard Road



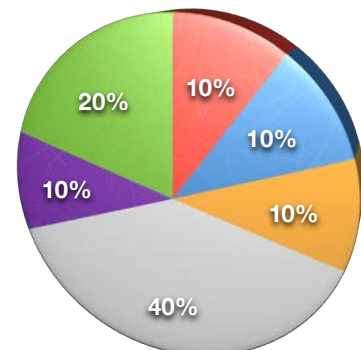
- Glider nest
- Glider colony
- Possum
- Possum den
- Micro bats
- Limited signs
- Rainbow Lorrikeets
- no signs

4.1.2 Wynnum North Road



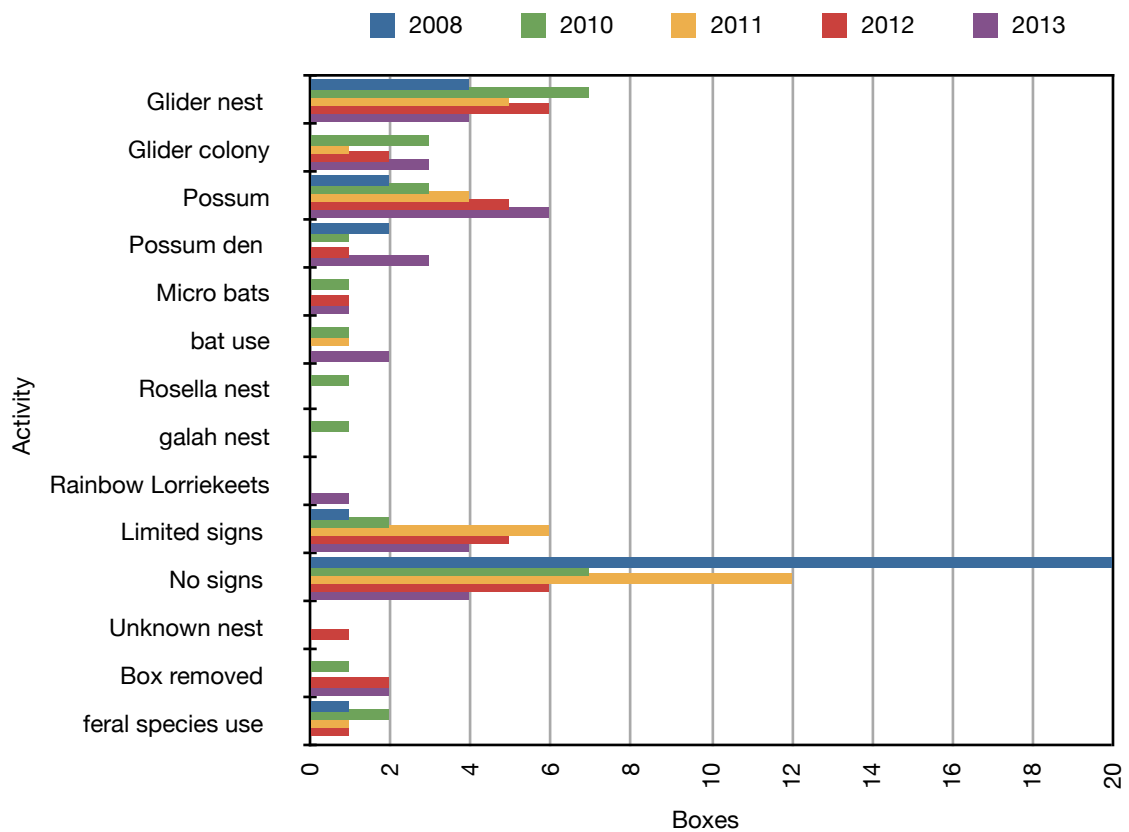
- Glider Nest
- Glider colony
- Brushtail possum
- Native bees
- Parrot chews
- carpet pythobn
- no sign

4.1.3 Perrin creek

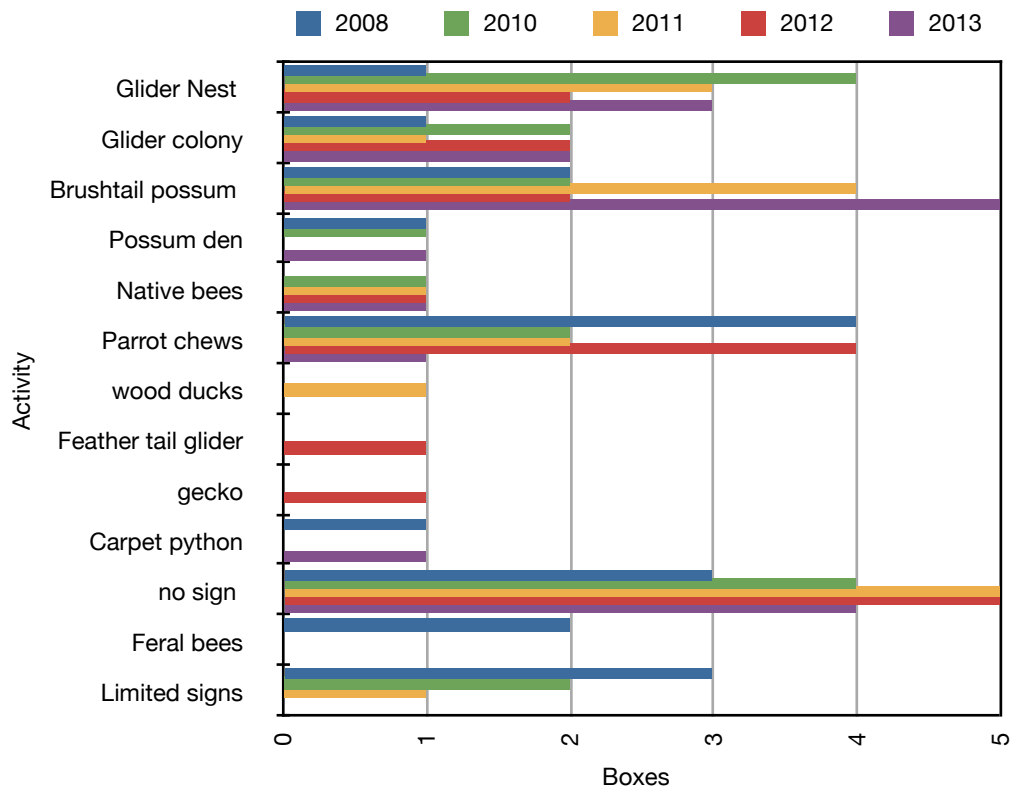


- possum den
- Parrot Chews
- eggs
- no sign
- wooducks nest
- gecko

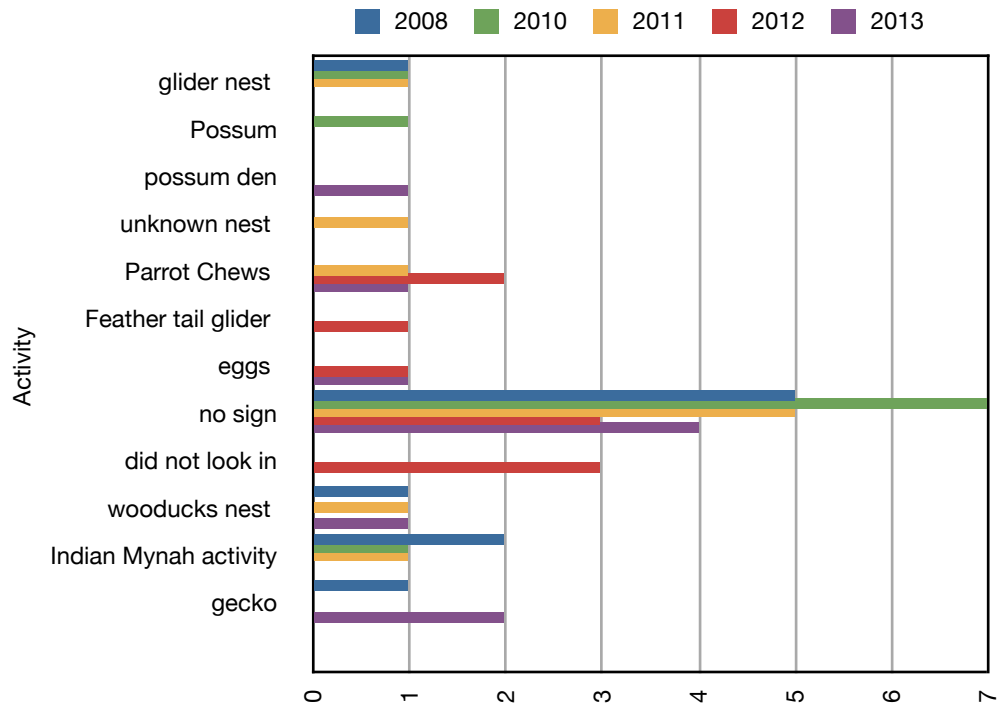
4.2.1 Activity: Pritchard Road 2008-2013



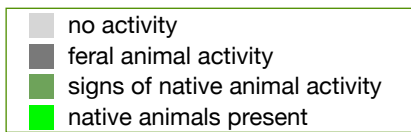
4.2.2 Activity :Wynnum Road North 2008-2013



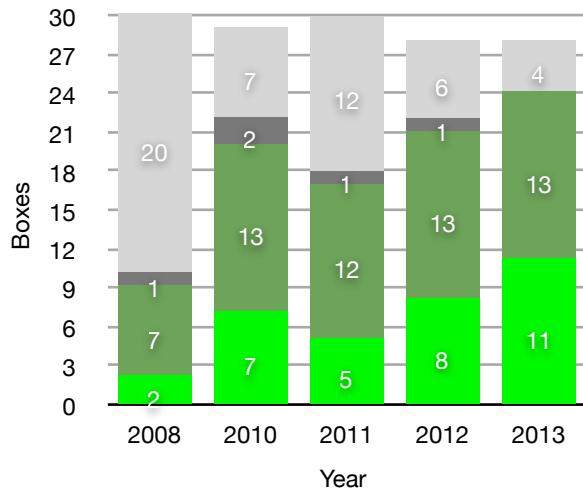
4.2.3 Activity :Perrin Creek 2008-2013



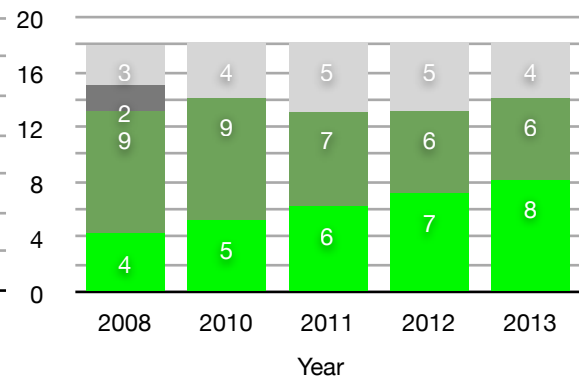
4.3 Habitation Rates 2008-2013



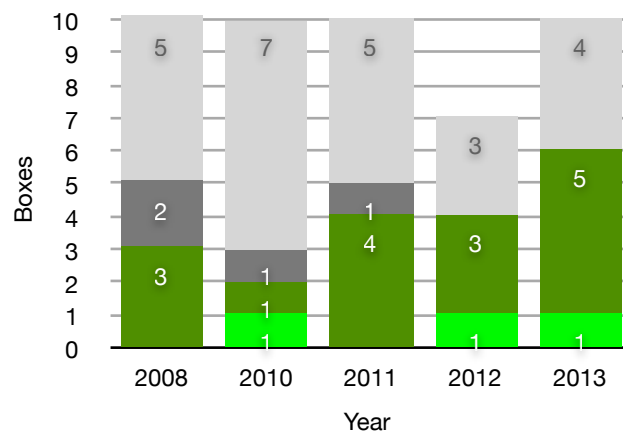
4.3.1 Pritchard Road



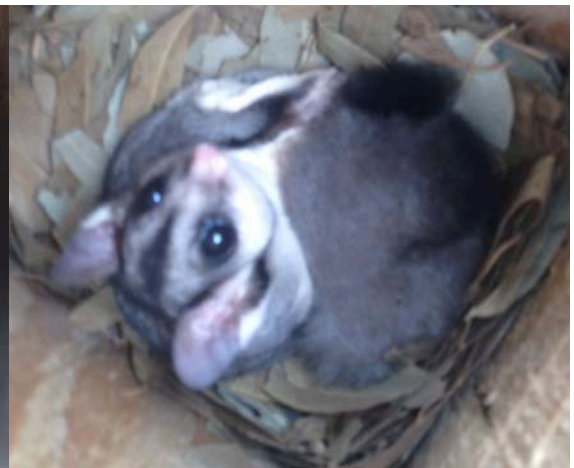
4.3.2 Wynnum North Road



4.3.3 Perrin Creek



Box number POBo8
Common Brushtail Possum



Box number POB35
Squirrel Gliders

5 Field Notes

5.1 Pritchard Road

Box Number	Box Type	GPS Co-ordinates		Observations 2013
POB01	Glider	S27 25.558	E153 09.558	Winter glider nest, nest shape still intact
POB02	Parrot	S27 25.563	E153 09.561	Rainbow lorikeets nesting
POB03	Owlet	S27 25.557	E153 09.568	Ant colony, sprayed box with a mixture of eucalyptus and pyrethrum
POB04	Glider	S27 25.549	E153 09.569	Fresh eucalyptus leaves indicating recent glider activity
POB05	Bat	S27 25.569	E153 09.578	No sign of recent habitation however no cobwebs over entrance hole
POB06	Owlet	S27 25.559	E153 09.589	ant colony, sprayed box with a mixture of eucalyptus and pyrethrum
POB07	Parrot	S27 25.554	E153 09.582	Common Brushtail possum
POB08	Boobook	S27 25.563	E153 09.588	Common Brushtail possum
POB09	Glider	S27 25.560	E153 09.581	ant colony, sprayed box with a mixture of eucalyptus and pyrethrum , old gliders nest
POB10	Parrot	S27 25.558	E153 09.593	Entrance hole very chewed, evidence of use by possum
POB11	Boobook	S27 25.562	E153 09.599	Common Brushtail possum
POB12	Bat	S27 25.563	E153 09.580	no sign of recent habitation however no cobwebs over entrance hole
POB13	Glider	S27 25.565	E153 09.593	Squirrel glider colony
POB14	Possum	S27 25.561	E153 09.600	Common Brushtail possum
POB15	Bat	S27 25.561	E153 09.600	no sign of recent habitation however no cobwebs over entrance hole
POB16	Owlet	S27 25.568	E153 09.609	ant colony, sprayed box with a mixture of eucalyptus and pyrethrum , old gliders nest
POB17	Glider	S27 25.565	E153 09.605	No sign of recent habitation
POB18	Bat	S27 25.571	E153 09.620	Colony of micro bats
POB19	Wood Duck	S27 25.572	E153 09.629	Common Brushtail possum
POB20	Parrot	S27 25.568	E153 09.632	Ant colony, sprayed box with a mixture of eucalyptus and pyrethrum , signs of possum use
POB21	Possum	S27 25.578	E153 09.649	Common Brushtail possum
POB22	Bat	S27 25.579	E153 09.648	No sign of recent habitation however no cobwebs over entrance hole
POB23	Glider	S27 25.577	E153 09.632	Single squirrel glider
POB24	Wood Duck	S27 25.578	E153 09.653	Evidence of use by possum
POB25	Bat	S27 25.580	E153 09.645	no sign of recent habitation however no cobwebs
POB26	Bat	S27 25.575	E153 09.668	No sign of recent habitation however no cobwebs over entrance hole
POB27	Bat	S27 25.575	E153 09.668	Staining at entrance hole consistent with micro bat use
POB29	Glider	S27 25.566	E153 09.617	squirrel glider colony

5.2 Wynnum North Road

Box Number	Box type	GPS coordinates		Observation 2013
POB30	Possum	S27 25.395	E153 09.873	Evidence of use by possum
POB31	Glider	S27 25.401	E153 09.898	Glider colony
POB32	Bat	S27 25.402	E153 09.898	Entrance hole very clean as if something has been using box
POB33	Bat	S27 25.384	E153 09.900	Old branchlets , no sign of recent use
POB34	Owlet	S27 25.390	E153 09.885	Native beehive still healthy
POB35	Glider	S27 25.388	E153 09.884	Glider colony
POB36	Glider	S27 25.390	E153 09.877	Abandoned feral bee hive
POB37	Possum	S27 25.395	E153 09.873	Common brushtail possum
POB38	Glider	S27 25.392	E153 09.885	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	Common brushtail possum
POB41	Glider	S27 25.396	E153 09.872	fresh eucalyptus leaves indicating recent use by gliders
POB42	Owlet	S27 25.402	E153 09.863	eucalyptus leaves indicating use by gliders
POB43	Bat	S27 25.420	E153 09.854	No sign of recent habitation
POB44	Parrot	S27 25.423	E153 09.905	Common brushtail possum
POB45	Bat	S27 25.423	E153 09.905	No sign of recent habitation
POB46	Parrot	S27 25.425	E153 09.887	Common brushtail possum
POB47	Parrot	S27 25.418	E153 09.889	Evidence of use by carpet python
POB48	Parrot	S27 25.398	E153 09.904	Parrot chews around entrance hole, could not look in box because of undergrowth

5.3 Perrin Creek

Box Number	Box Type	GPS location		observations
1	Small Parrot	S27 27.199	E153 04.673	Entrance hole very chewed
2	small Parrot	S27 27.218	E153 04.655	Lid had fallen off, replaced lid, evidence of use by ringtail possum , 2 old wood duck eggs
3	Glider	S27 27.215	E153 04.654	No sign of use
4	Glider	S27 27.218	E153 04.655	gecko
5	microbat	S27 27.216	E153 04.654	Ants sprayed with eucalyptus and pyrethrum
6	possum	S27 27.215	E153 04.650	Wood duck nest 4 new eggs
7	micro bat	S27 27.202	E153 04.698	No sign of use
8	micro bat	S27 27.222	E153 04.682	Gecko , staining at entrance indicating use by micro bats
9	glider	S27 27.222	E153 04.683	No sign of use
10	possum	S27 27.222	E153 04.660	Evidence of possum use

Appendix

Map Overlays Nest Box Locations

- 1.Pritchard Road Buffer Zone
- 2.Wynnum North Road
- 3.Perrin Creek