



Josh Bowell

Presented by: Samuel Horton & Josh Bowell

The Yellow-bellied Glider Project

Target Species

Yellow-bellied Glider



Josh Bowell
Taken in Greenbank, Logan City Council.

Southern Greater Glider



Josh Bowell
Taken in Chambers Flats, Logan City Council.

About The Yellow Bellied Glider Project

- Citizen Science Project to find new populations of greater gliders (GG) and yellow-bellied gliders (YBG) in South East Queensland.
- Monitor known sites of both of these species to document behaviours, breeding and movements.
- Determine their current distribution.
- Map travel corridors and gliding pathways.
- Locate Feeding and den/hollow trees.
- Work with landholders to conserve vital habitat.
- Supporting other organisations to councils with survey information.
- Increase public awareness.
- Make a documentary



Image by: Samuel Horton
Taken in Park Ridge, Logan City Council

Finding Greater Gliders

- Luckily, Greater Gliders are one of the easier gliders to survey given that they are often sedentary and they have extremely white bright eye-shine that gives away their position.
- All you need is basic equipment to find Greater Gliders
 - Torch (red preferably to minimise disturbance).
 - Mosquito Repellent
 - Being in the right vegetation (large smooth bark eucalyptus such as scribbly gum and flooded gum).
 - Persistence.
- If we locate Greater Gliders we observe current behaviour, tree species and climatic conditions.
- Our survey information is provided to councils and the state government so the right environmental choices can be made regarding their protection.



Image by: Josh Bowell
Taken in Chambers Flats, Logan City Council



Red Torch Lights in the best to ensure that disturbance is minimal.

14 Greater Gliders in 1 night

Park Ridge South, Logan City Council



Finding Yellow-bellied Gliders

Image by Samuel Horton
Taken in Greenbank, Logan City Council



Yellow-bellied Gliders

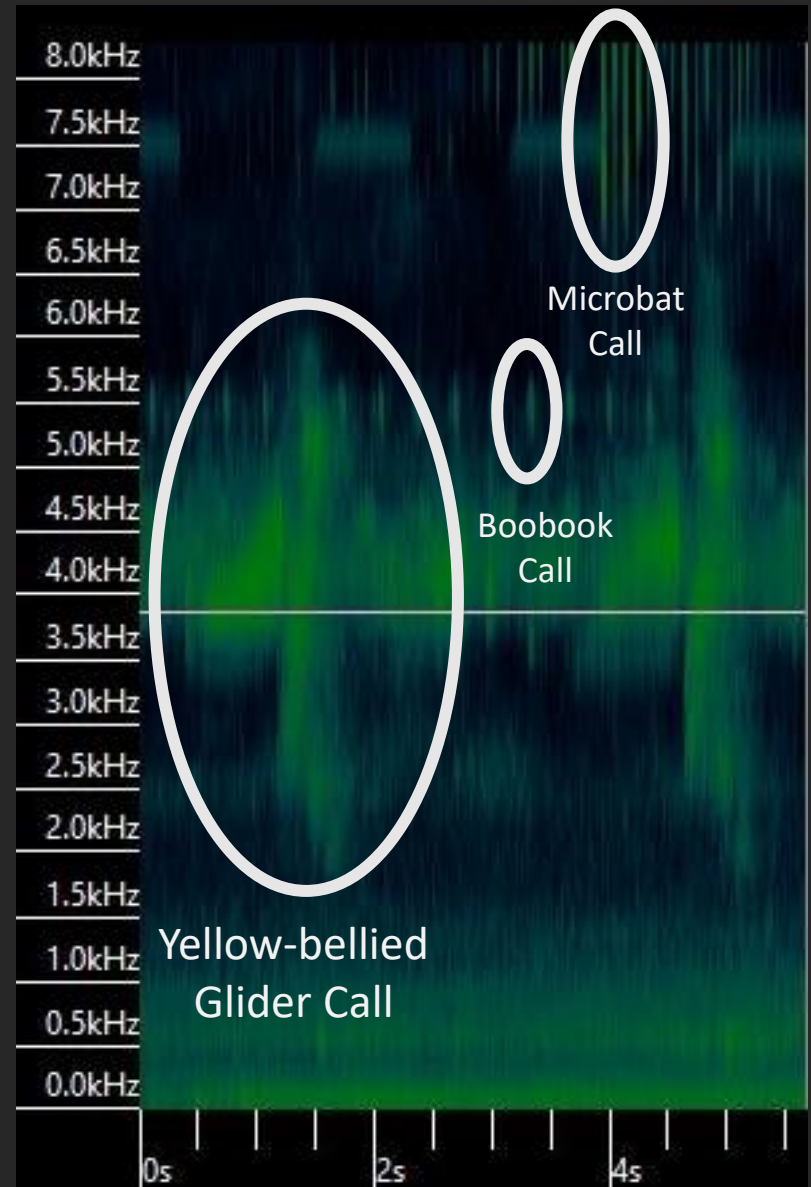
- Yellow-bellied Gliders are the rarest of all gliders in South East Queensland and their current population is unknown.
- They are listed as not-threatened, but are currently being assessed by the federal government to be relisted as Endangered alongside Greater Gliders and Koalas.
- Logan City Council is one of the lucky regions that has an established Yellow-bellied glider population

Survey Methods

- It's extremely difficult to spotlight for Yellow-bellied Gliders as they have a home-range for 60 hectares and they have little-to-no eye-shine.
- We use acoustic monitoring that listens out for the harrowing call of the Yellow-bellied Gliders.
- We also use Audio play-back in an attempt to get Yellow-bellied gliders to respond to our recording.



Yellow-bellied glider call



Yellow-bellied Gliders

We also conduct day surveys to look for the distinctive feeding marks of Yellow-bellied Gliders.



What have we found so far?

Greater Gliders

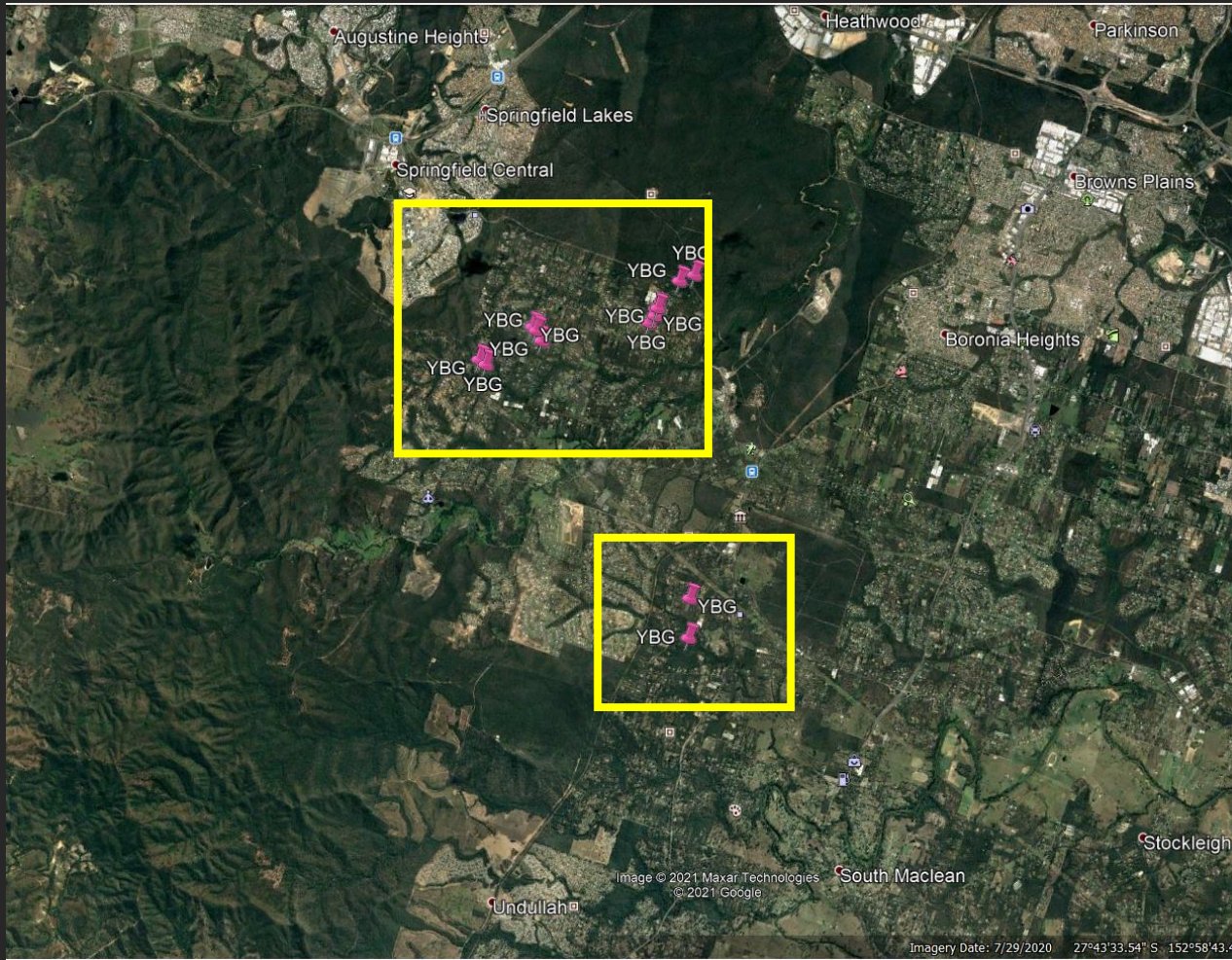
- We've been intensively surveying reserves and private properties in South West Brisbane for the last 12 months.
- We have located several previously undiscovered populations in three main pockets of remaining bush-land.
- Plenty more areas of bush yet to be surveyed.



What have we found so far?

Yellow-bellied Gliders

- We have been chasing up old reported records of Yellow-bellied Gliders from the 1980's as a starting point to locate new populations.
- We have found several little population groups dominantly on private property.



What have we found so far?

Yellow-bellied Gliders

- We are also starting to notice distinctive morphological differences in Yellow-bellied Gliders from each of our sites which could indicate population isolation (requires further research).
- We also notice differences in calling behaviour such as length, frequency and intensity (requires further research)



Tamborine Mountain

Taken by Todd Michaelsen



Greenbank

Taken by Sam Horton



Mount Barney

Taken by Josh Bowell

Interested in getting involved?

We will be holding another volunteer workshop in the coming months to help with:

- Letterbox drops to target properties.
- Daylight surveys.
- Deploy and retrieve acoustic monitors and analyse recordings.
- Deploy and retrieve cameras.
- Nocturnal surveys, call playback and spotlighting.
- Social media content.
- Nest box monitoring (possibly).

If this interests you, please email glider@wildlife.org.au and we can let you know when our next volunteer workshop will be.



Taken in Park Ridge South, Logan City Council.
By Samuel Horton

Thank you for your time



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Mother Gizmo and joey Wattle
Footage taken in Burbank, Brisbane