

Night Raiders of the Solomon Islands



Feeding Ecology of *Pteropus rayneri* “Solomons Flying Fox”

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Brodie, Fisher, Lavery & Prebble



Brief Background

- 24 Fruit Bat species – SI
- 67% Endemism (17 species)



M. minimus



D. inermis



N. bougainville



P. taki



P. rayneri

Endemism

- Distinct to islands, ranges and habitats

Example: *Nyctimene* species



N. bougainville



N. major

Endemism

- Tube-nosed bat



Endemism

- Tube-nosed bat



Endemism

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Example: *Nyctimene* species



N. bougainville



N. major

Endemism

- Monkey Faced Bats - *Pteralopex*
- 5 species in the Solomon Islands



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P. anceps

Endemism

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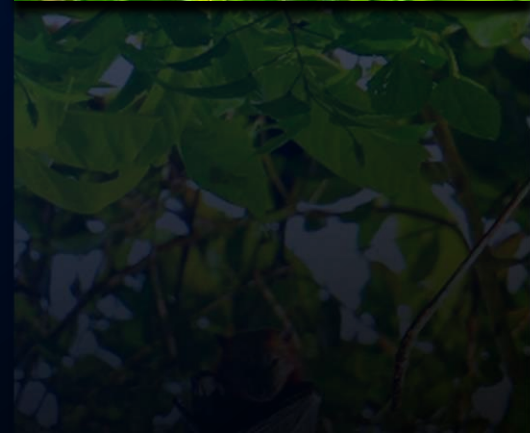
Pteralopex atrata



Pteralopex taki

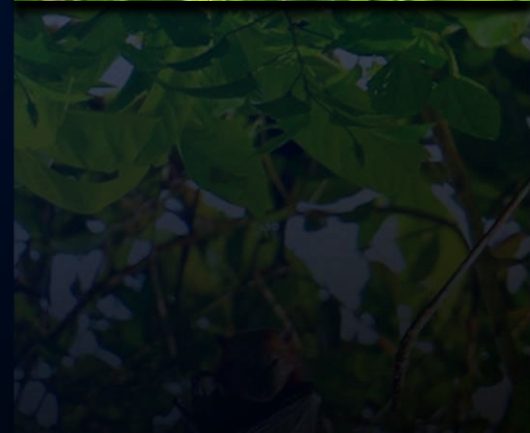
Endemism

- *Pteropus* (10 species)
- 8 species are endemic to Solomon islands!
- 6 species restricted to islands
 - San Cristobal
 - Ontong Java
 - Santa Isabel
 - Santa Cruz group of islands
 - Rennell
 - Vanikoro



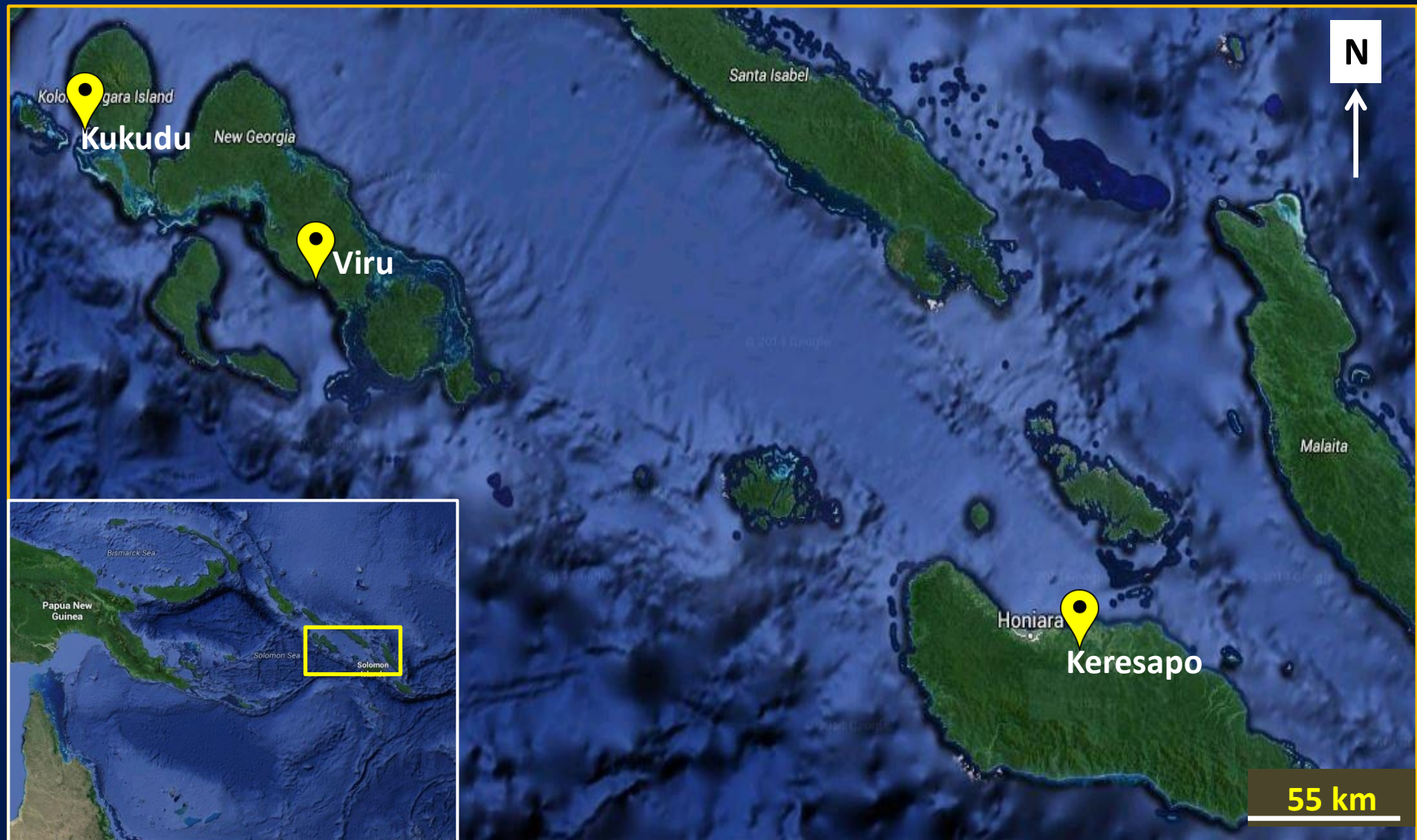
Endemism

- *Pteropus* (10 species)
- *Pteropus rayneri* is endemic to Solomon islands & widespread





Methodology (What we did)



Methodology (What we did)



Methodology (What we did)

GPS Tagging



Results

- Microscopy Pollen Assessment
- 20 families of plants ID
- 17 genera of plants ID



Results

- Microscopy Pollen Assessment
 - Most common genera
 - Syzygium
 - Freycinetia
 - Ficus
 - Elaeocarpus
 - Terminalia
 - Celtis
 - Hydriastele



Results

- Genus *Syzygium*



Results

- Genus *Freycinetia*



Results

- Genus *Ficus*



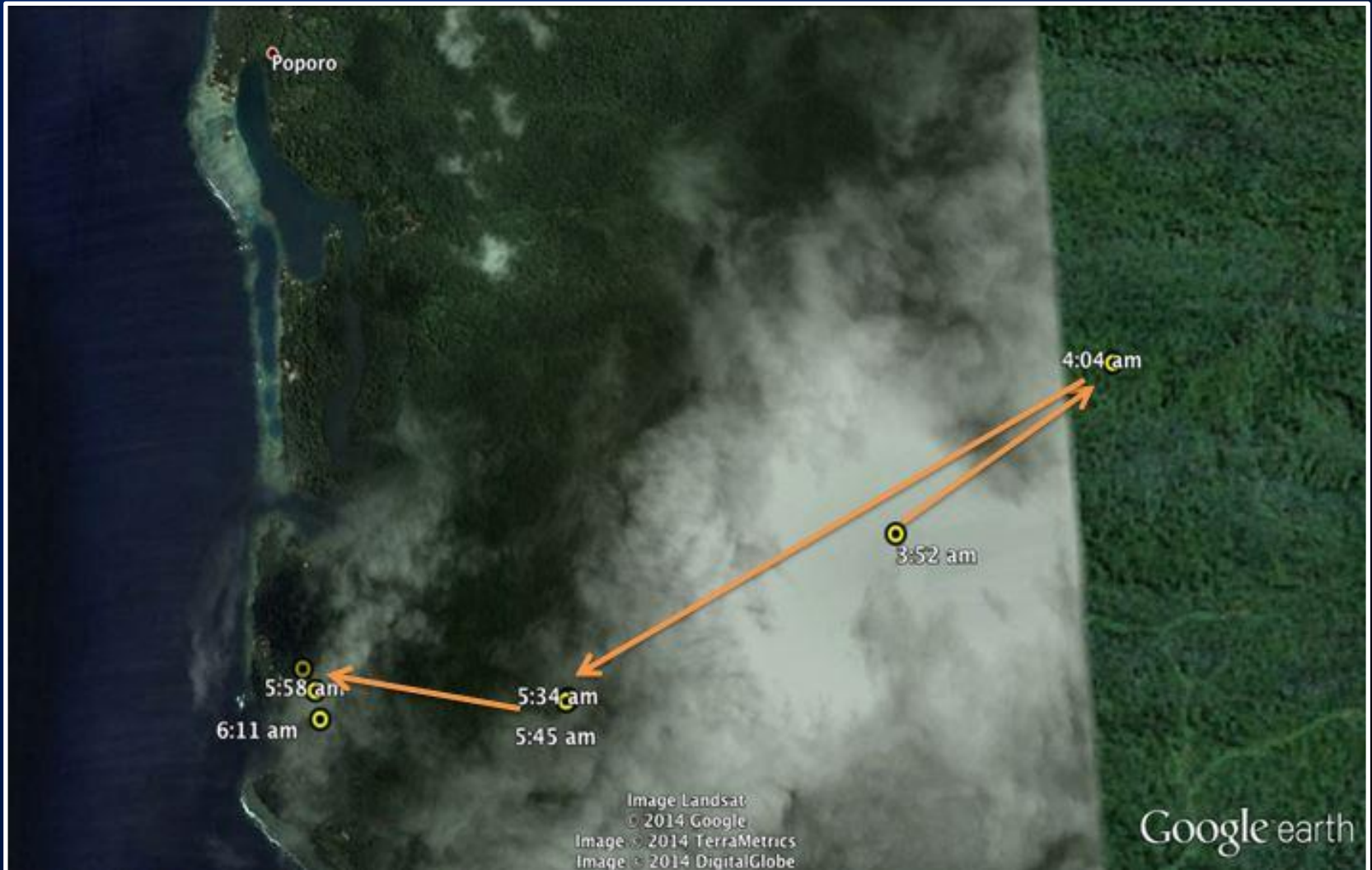
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Summary & Conclusion

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- Other results from the study confirmed identified plants in bat diet occur on both disturbed and undisturbed forest areas and different vegetation types.
- New data could be used as baseline and be made available for national policy makers for long-term species management and conservation efforts.

Thank Iu Tumas

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