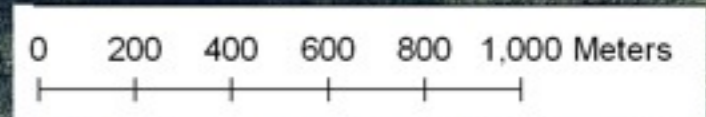


Bat-Habitat Associations: Did Windsor Bats Read the Script?



Windsor Great Cave



1. Open Pasture

2. Coffee:

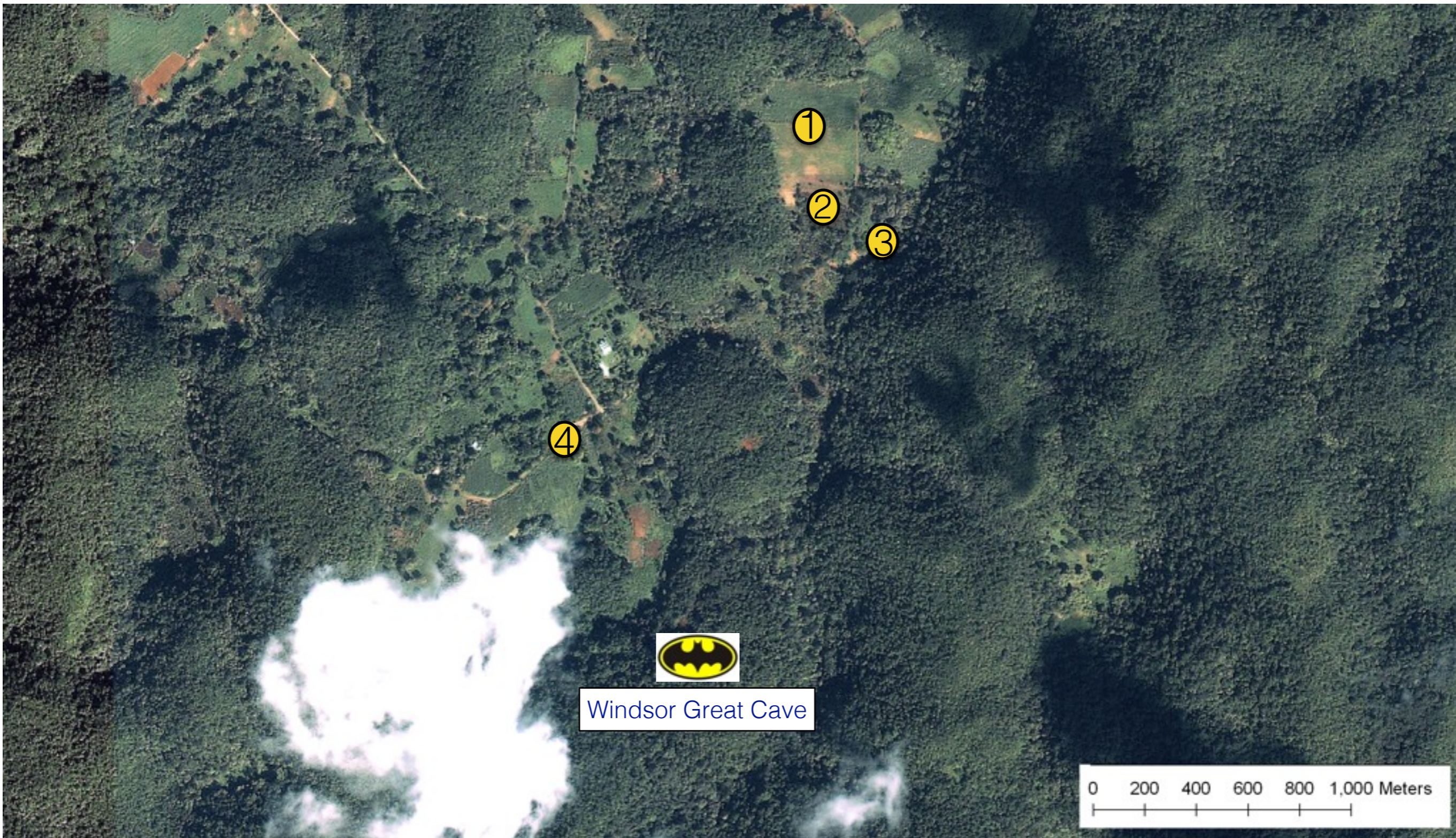
1st survey: cluttered understory

2nd survey: no clutter

3. Forest: cluttered understory

15m tall closed canopy

4. River: open banks



1. Open Pasture

2. Coffee:

1st survey: cluttered understory

2nd survey: no clutter

3. Forest: cluttered understory

15m tall closed canopy

4. River: open banks

13 species occur in Windsor

Pteronotus parnellii

P. macleayii

P. quadridens

Mormoops blainvillei

Chilonatalus micropus

Tadarida brasiliensis

Molossus molossus

Artibeus jamaicensis

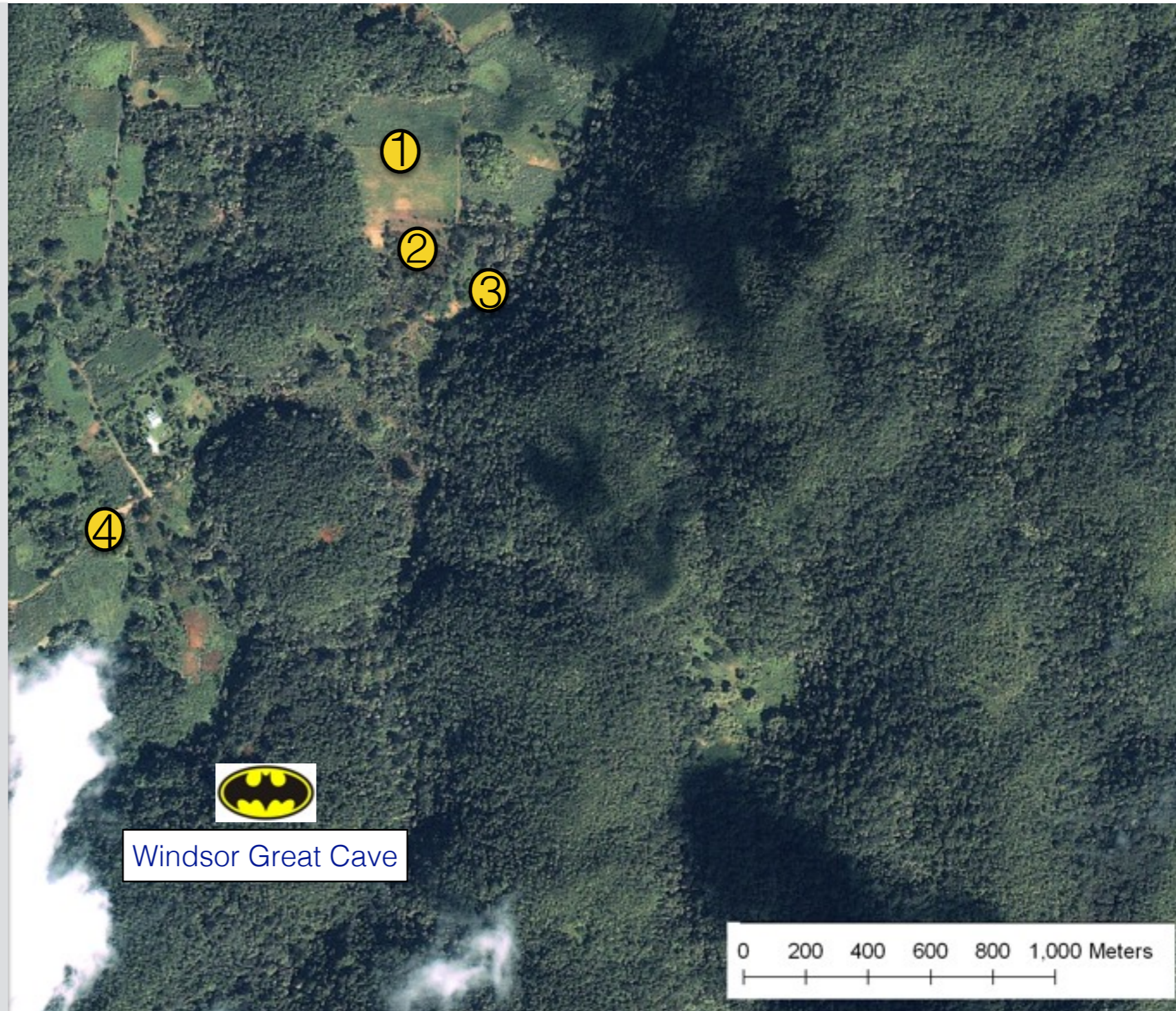
Artibeus flavescens

Erophylla sezekorni

Monophyllus redmani

Glossophaga soricina

Noctilio leporinus



1. Open Pasture

2. Coffee:

1st survey: cluttered understory

2nd survey: no clutter

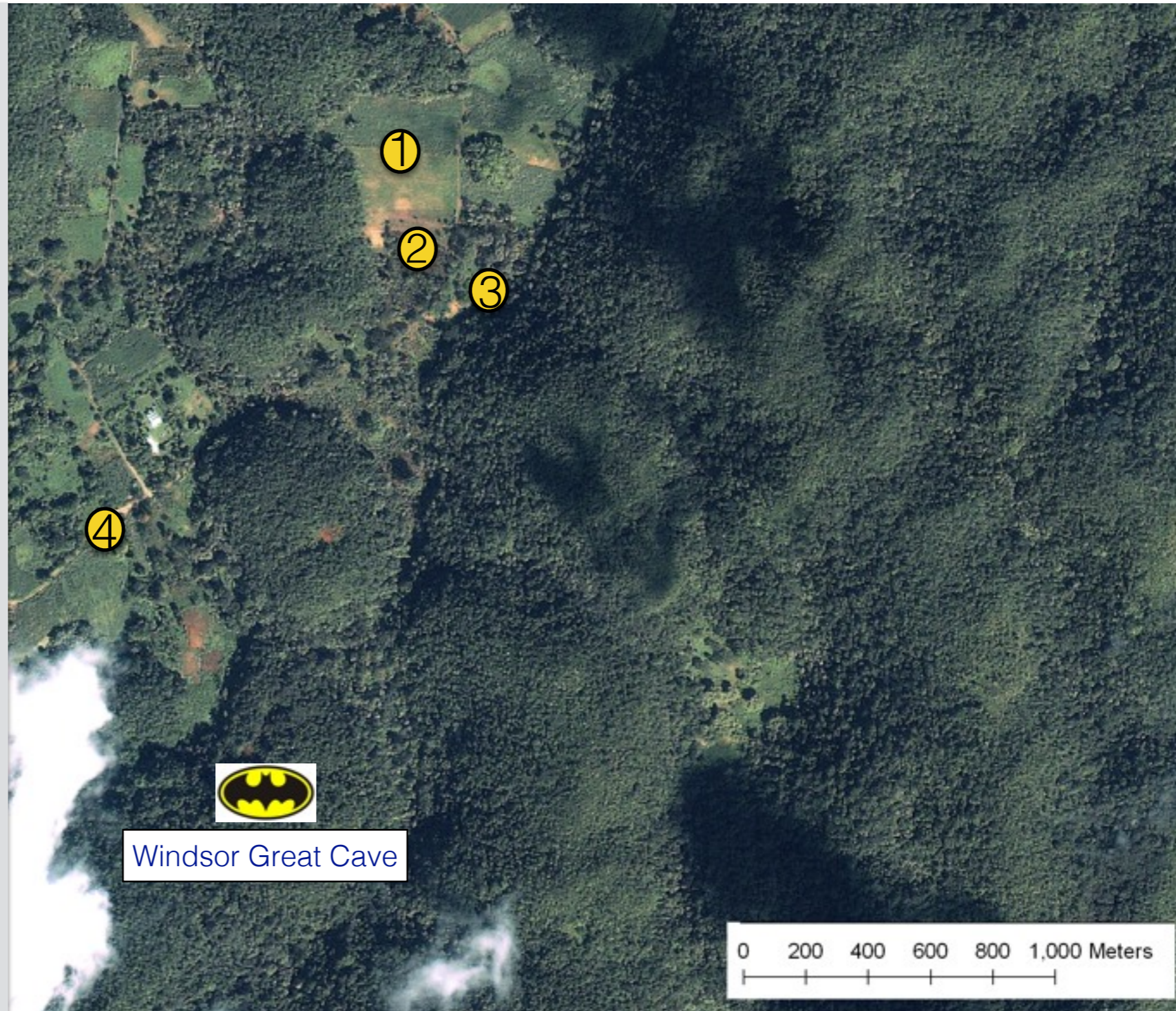
3. Forest: cluttered understory

15m tall closed canopy

4. River: open banks

Recording Parameters

- SongMeter 384 kHz w/ omni-directional microphone
- 30-min before sunset, 15-min after sunrise
- Record 1 minute; pause 4 minutes
- 0WAC file compression
- Full & new moon*
- Clear sky all nights
- Temp / RH at WGH



Pasture (full moon & new moon)



Coffee (new moon)

Pre-disturbance
(before workshop:
coffee trees ~ 3 m tall;
10% canopy)



Post-disturbance
(Workshop II):
coffee trees cut-back
to stumps

Forest - regenerating
(full moon & new moon)



Martha Brae Big Bridge (full moon & new moon)

Q1: Does bat diversity vary amongst habitat types? (soundscapes)

Q2: Does lunar cycle affect bat activity?

