

ACOUSTIC MONITORING

NEW ENGLAND CHAPTER OF THE WILDLIFE
SOCIETY

REMOTE WILDLIFE MONITORING WORKSHOP
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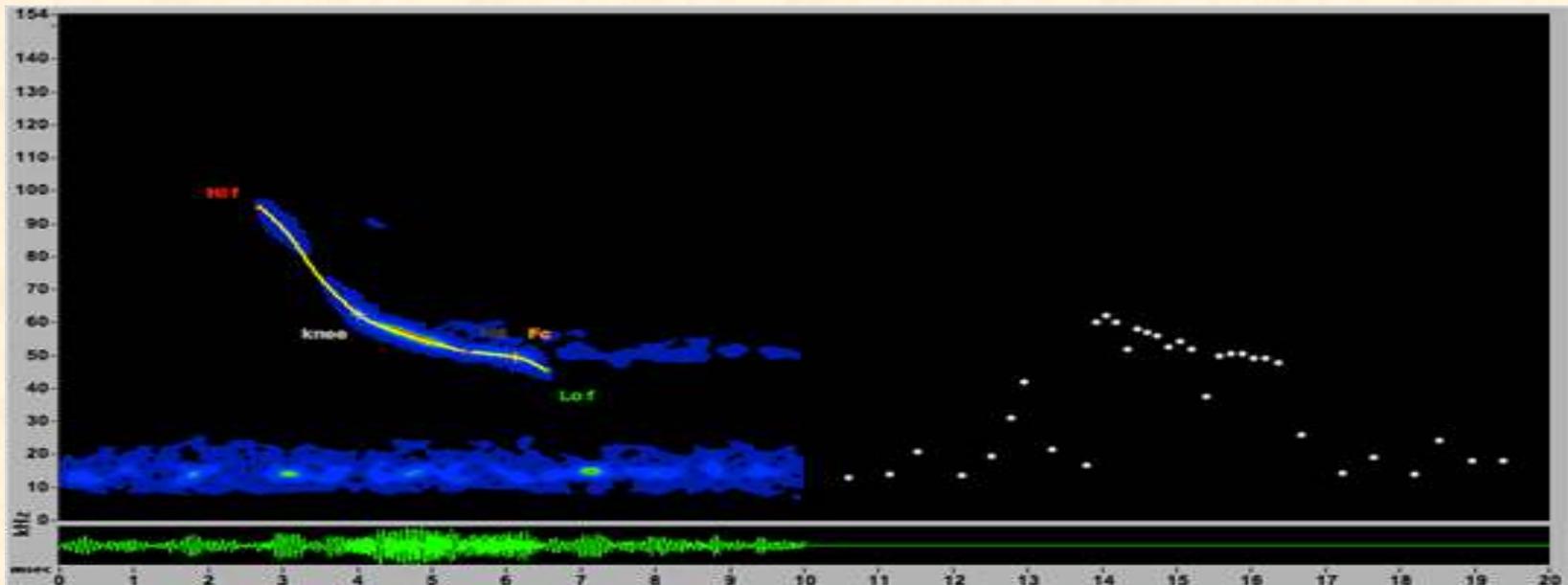
Why Use Acoustic Surveys?

- Recording equipment can capture sound that humans can't hear
- Recordings create a record of animals that you cannot see
- Can gather a large amount of data cost effectively



Types of Acoustic Survey Equipment

- Zero Crossing Detectors
 - Collects only a parts of each call
- Full Spectrum Detectors
 - Collects the entire call



Types of Acoustic Surveys

- Active Surveys
 - Mobile, sample across space
 - Sample a relatively large area
 - Usually short-term
- Passive Surveys
 - Sample a single location
 - Sample across time
 - Usually long-term



Limitations of Acoustic Surveys

- One bat 10x or 10 bats 1x?? - gives relative use only
- Presence absence only
- Abundance of individuals cannot be inferred
- Species identification may not be possible
- Sample area is limited in size



Acoustic Equipment Set Up



















Questions?

