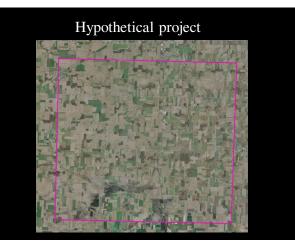
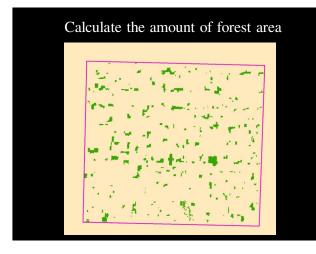


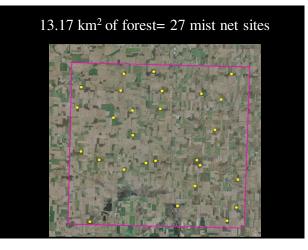
Level of effort for acoustic monitoring (assuming suitable habitat exists)

- 2007 Guidelines
 - -2 sites/km² of suitable habitat
 - Each site consisted of ≥ 2 mist net locations
 - 1 site per km for linear projects
 2 nights at each site
- 2011 Guidelines
 - non-linear projects 1 site/30 acres of suitable habitat
 - linear projects 1 site/km of project corridor that has suitable habitat

 - to be monitored for at least 2 nights - minimum of 2 sites (spaced at least 200 m apart)

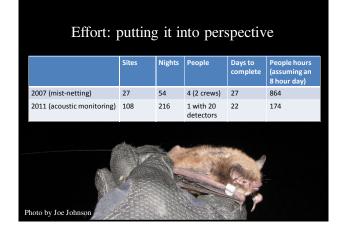






$13.17 \text{ km}^2 = 3254 \text{ acres} = 108 \text{ monitoring sites}$





5-mile buffer of positive acoustic detections





- row instanta red cerectorus
 Positive Indiana bat detections
 Monitor Indiana bat detections
 Monitor Indiana bat detections
 Tomber Waffer of single detectors or midpoint for multiple detections
 Project boundary

Identify whether multiple acoustic hits occur within 1-mile of each other.

- · The mile buffer is somewhat arbitrary, but we wanted to avoid using anything based upon Indiana bat biology (i.e., the 2.5 mile buffer).
- · If so, find the mid-point of the closest 2 points (indicating the focal point of the activity).
- Buffer the mid-point and any individual points by 1mile. Mist-netting efforts should (but don't have to) focus within these regions.



Midpoint of the 2 closest positive detections within 1-mile of each other 1-mile buffer of single detectors or midpoint for multiple detections Provide the advance of the second seco

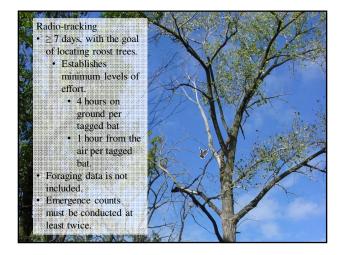
Н

Mist-netting effort

- 1 positive acoustic site / circle = 5 site nights
- 2/circle = 7 site nights
- 3 / circle = 9 site nights ≥ 4 / circle = 10 site nights

If you capture Indiana bats, radio-tracking must be conducted.

If you don't capture any Indiana bats the Service assumes the presence of 1 or more maternity colonies.



Timing of surveys

- Currently May 15th August 15th to complete all surveys (acoustics/mist-netting).
- June 1st July 15th?



