

Midwest Bat Hub 2025 Volunteer Program Information Session

2/27/2025



MWBH Volunteer Monitoring Program

- End of season in November 2024
 - 52 volunteers
 - 61 GRTS cells surveyed
 - 27 Priority GRTS cells
 - 6 states
 - Most surveys April-October
 - Minimum June-July



2023 vs. 2024 Volunteer Surveys

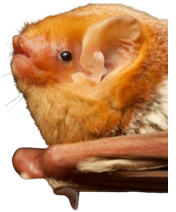
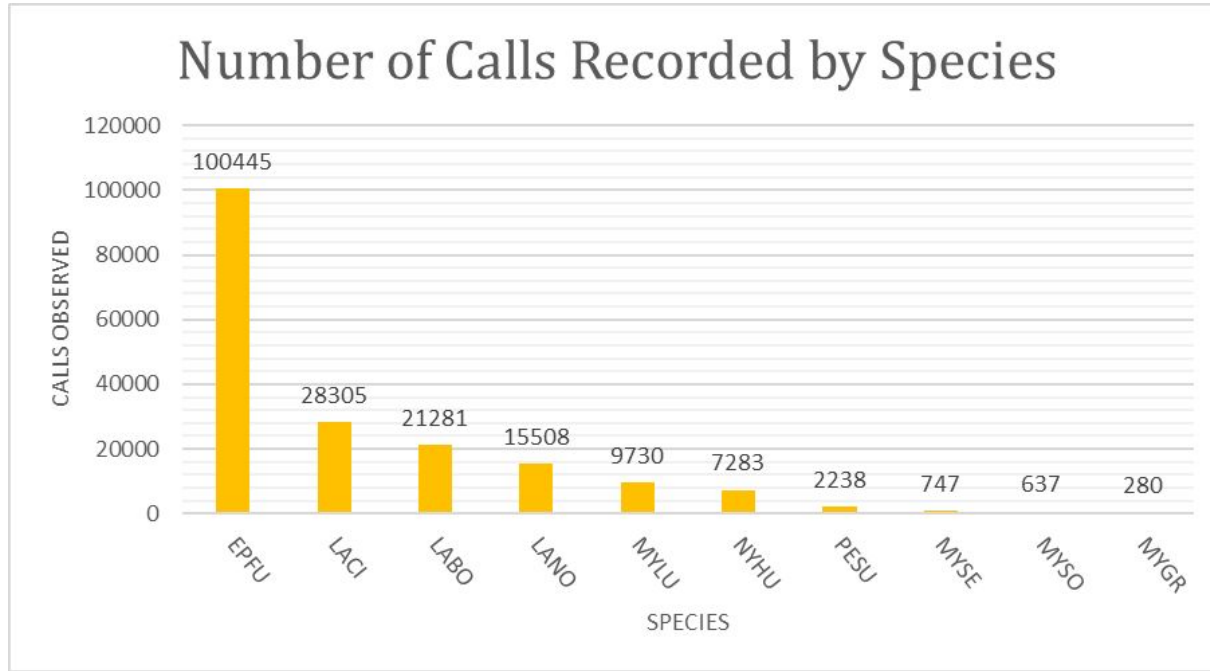


2023: 51 GRTS cells including 20 priority cells



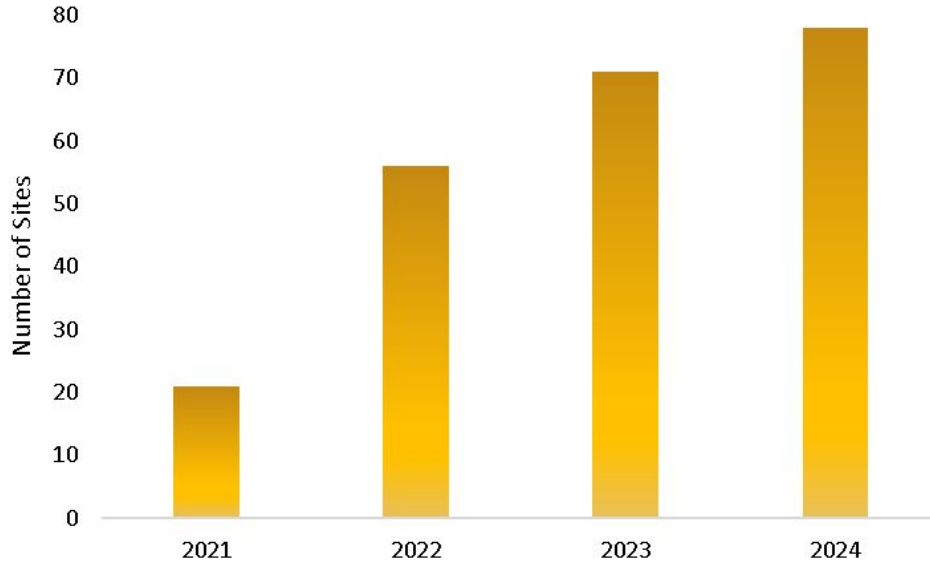
2024: 61 GRTS cells including 27 priority cells

2024 Survey Results



MWBH Volunteer Monitoring Program

Year	GRTS	Priority GRTS
2021	13	10
2022	45	15
2023	51	20
2024	61	27

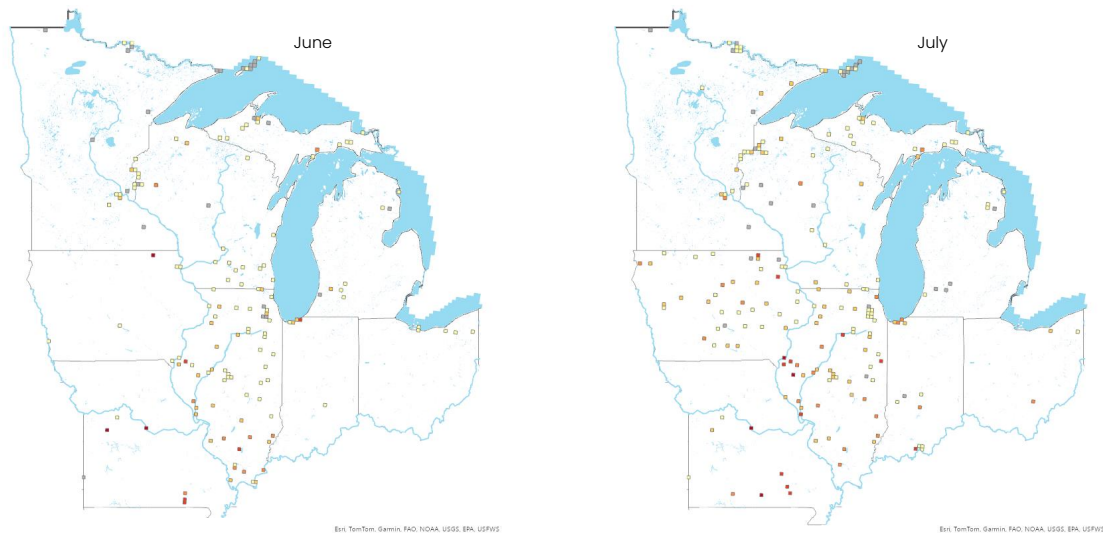




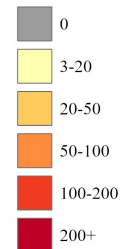




LABO Summer Activity

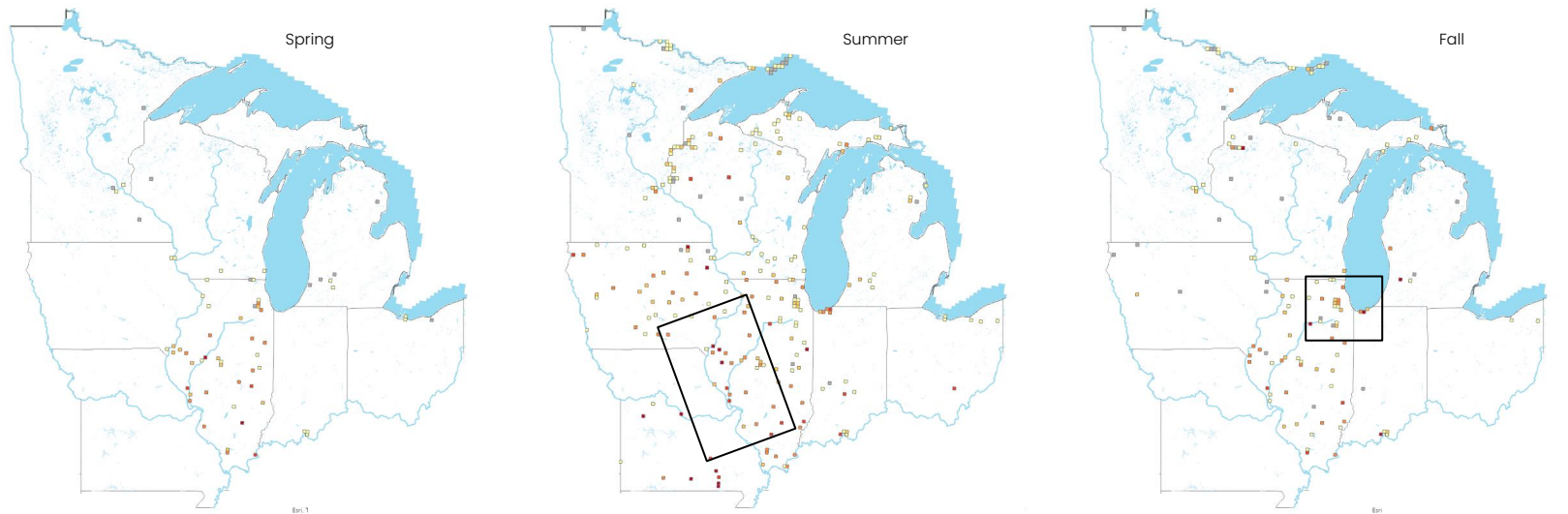


Mean number of eastern red bat (*Lasiurus borealis*) calls per night in June and July (averaged from 2020–2024) in surveyed GRTS cells across the eight Midwest states.

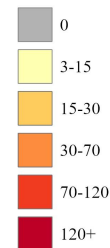




LABO Seasonal Activity



LABO activity (mean calls per night) shown for 2020-2024 by season. Spring (April-May), summer (June-July), and fall (August-October). Only nights that had at least 3 calls were considered.





LACI Summer Activity

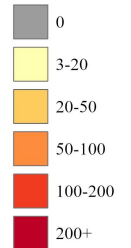


Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, USFWS



Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, USFWS

Mean number of hoary bat (*Lasiurus cinereus*) calls per night in June and July (averaged from 2020–2024) in surveyed GRTS cells across the eight Midwest states.

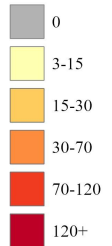




LACI Seasonal Activity



LACI activity (mean calls per night) shown for 2020-2024 by season. Spring (April-May), summer (June-July), and fall (August-October). Only nights that had at least 3 calls were considered.





LANO Summer Activity

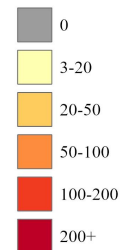


Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, USFWS



Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, USFWS

Mean number of silver-haired bat (*Lasionycteris noctivagans*) calls per night in June and July (averaged from 2020-2024) in surveyed GRTS cells across the eight Midwest states.

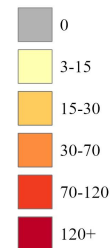




LANO Seasonal Activity



LANO activity (mean calls per night) shown for 2020–2024 by season. Spring (April–May), summer (June–July), and fall (August–October). Only nights that had at least 3 calls were considered.

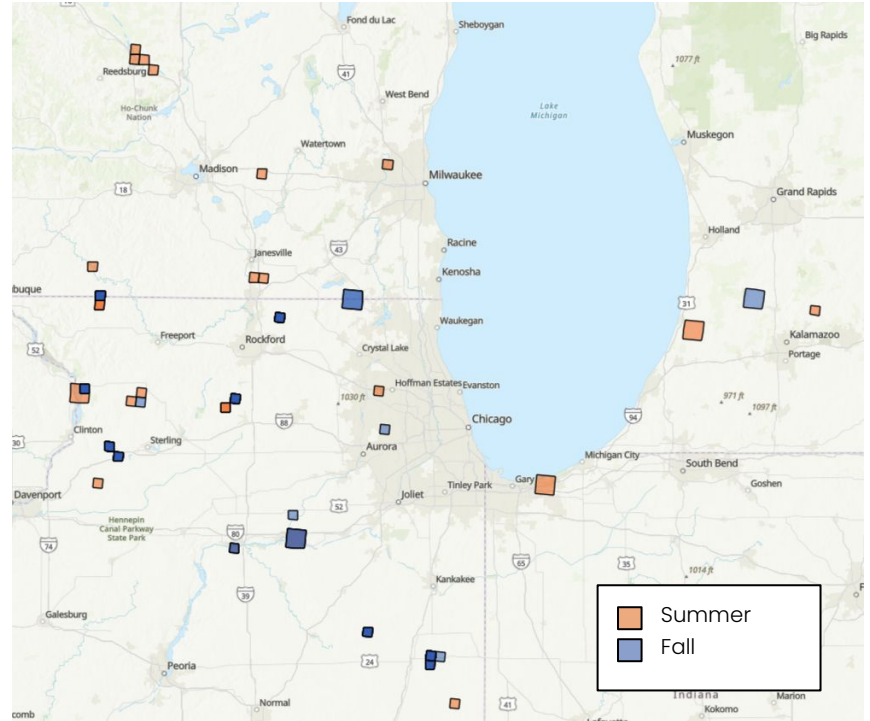


LACI High Activity Sites

Data are useful to inform question such as:

- What are high priority monitoring sites for the Hoary bat around Lake Michigan?

Shoulder season monitoring allows us to track seasonal changes in high activity sites



2025 Season Updates

Funding constraints

- Funding secured through May 2025
- Staffing changes anticipated
- Unable to guarantee data processing or Bat Activity Reports for volunteers
 - Varies by region and volunteer
 - Some external help anticipated
- Data will be collected and stored
- Raw data can be re-analyzed in the future when funding situation changes
- Legacy data could prove important in the future

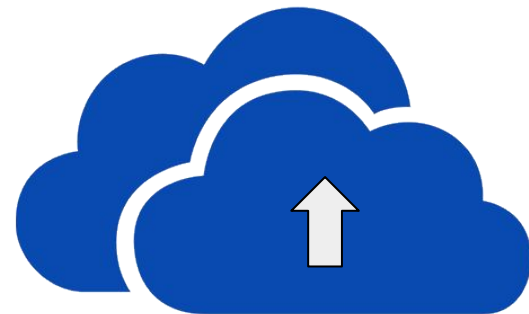
2025 Season Updates

- Most volunteers held on to equipment to reduce shipping costs
- Pre-season prep will be required
 - Clearing SD cards of previous data
 - Setting schedules on detectors
 - Charging batteries before field deployment
 - Picking a site (if you are monitoring at a new location)
- Instructional packets (videos and files) will be sent to you mid-March
- Reach out to us if you need assistance!!



2025 Season Updates

- Other guidelines remain the same (4 nights a month from April-October preferred, 4 nights each in June and July required)
- New Box links will be provided for data upload
- Raw data will be preserved and stored safely for future analysis
- We will send confirmation of uploaded data
 - Size of data uploaded to Box
 - Will not be able to give specifics on data (e.g., am I recording northern-long eared bats?)



Questions?
Thoughts?
Comments?