Bats at Mount Auburn Cemetery
Boston Biodiversity Consortium Spring meeting
April 4, 2018

Presented by:

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Urban Wildlife Refuges

80% of the world’s population currently living in urban areas

Models for successful urban wildlife refuges are desperately needed

Cemeteries are an overlooked potential wildlife refuge common to most cities
Mount Auburn Cemetery

175-acre site

“Silent City” : 98,000 people buried or commemorated

Founders envisioned it as a garden cemetery

Unique and iconic urban ecosystem

Commitment to sustainability
Figure 2.
Previous and potential habitat enhancement areas, as of June 1, 2014
Biodiversity survey: Bats

- Acoustic detection
- Mist netting
- Identifying flight corridors
Narcissus Path Landscape Area and Included Sites
Halcyon Lake Landscape Area and Included Sites
Mist Net

• Photo by Bat Conservation and Management
Evidence of bats at Mt Auburn Cemetery

- **Big brown bat**: acoustic detection, visual confirmation, live capture
- **Eastern red bat**: acoustic detection, visual confirmation, almost live capture (once)
- **Hoary bat**: acoustic detection
- **Little brown myotis**: acoustic detection
eastern red bat (*Lasiurus borealis*)
Hoary Bat (*Lasiurus cinereus*)
**Myotis lucifugus**
(the little brown myotis)

- Photo by Thomas Kunz
Average Calls per Month by Time Band for All Sites, Narcissus Path
Average Calls per Month by Time Band for All Sites, Halcyon Lake
Average Calls per Month by Time Band for All Sites, Auburn Lake
Average Calls by Time Band for Three Landscape Areas, July 2017

Blue = Halcyon Lake  Orange = Narcissus Path  Grey = Auburn Lake
Average Calls by Time Band for Three Landscape Areas, September 2017

Blue = Halcyon Lake  Orange = Narcissus Path   Grey = Auburn Lake
Average Calls for Selected Specific Sites by Time Band, July
Average Calls for Selected Specific Sites by Time Band, August
Average Calls for Selected Specific Sites by Time Band, September