

Culvert Management Planning for Habitat Connectivity

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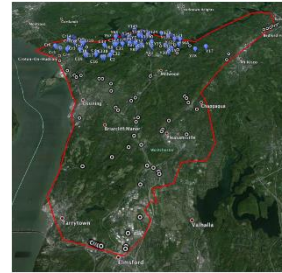
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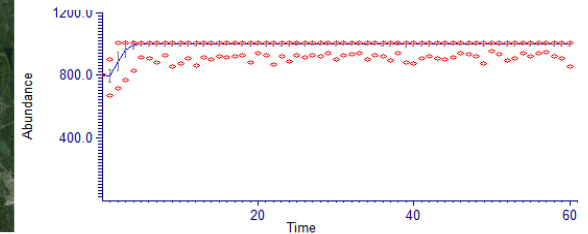
Goals

Multiple stressors negatively impact species and ecosystems throughout the Hudson River Estuary watershed. The goal of this project is to understand what role road culverts play in increasing habitat connectivity for reptiles and amphibians in our region.

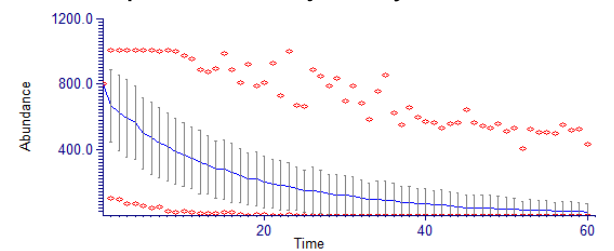
Funding: NYS DEC Hudson River Estuary Program



Population Trajectory – Best Case



Population Trajectory – Worse Case



Research Foci

Idea #1

The impacts of major roads on habitat fragmentation are well studied but little is known about the role of culverts in mitigating fragmentation effects.

Idea #2

Reptile and amphibian species are among the most threatened species locally and globally. A multi-pronged management approach that includes municipality involvement is necessary to protect these species.