Building Wetlands for Rare Species of Amphibians

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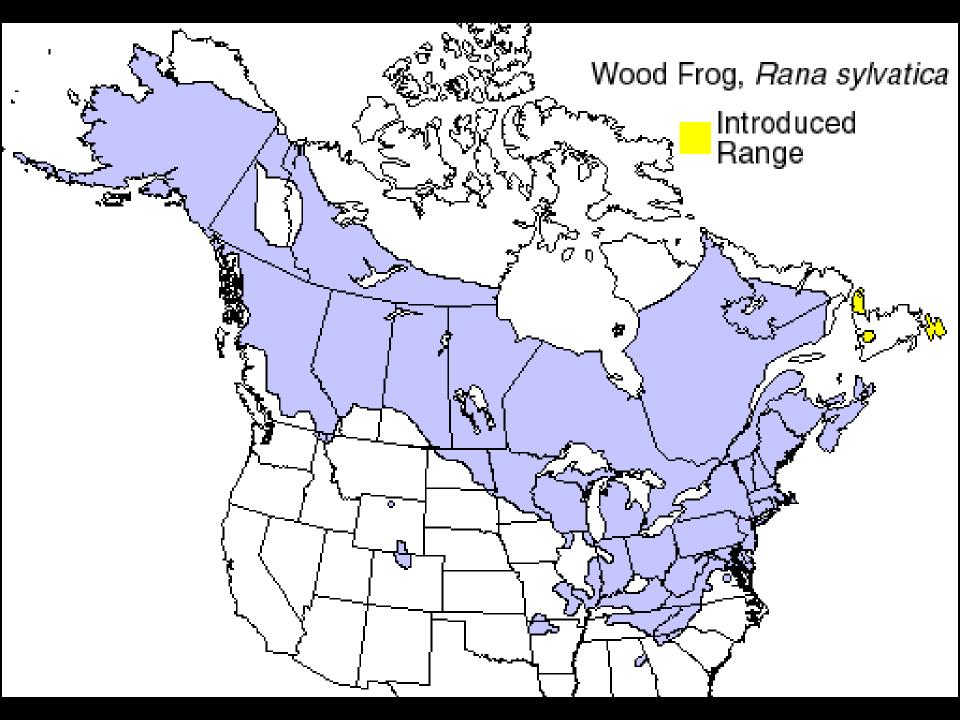
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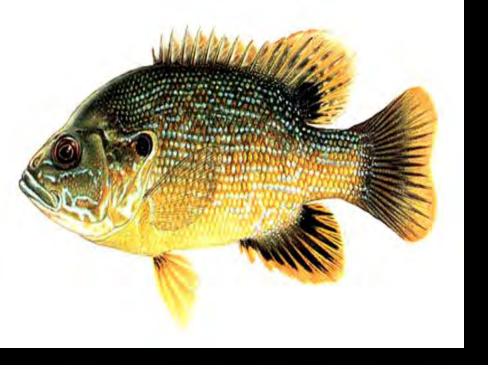




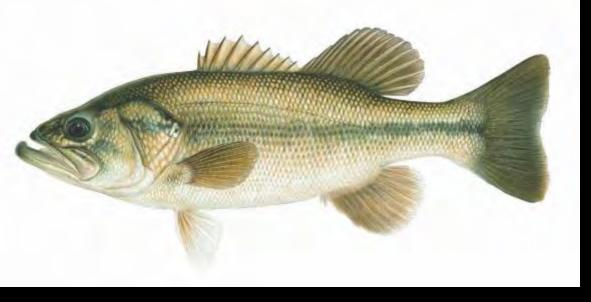








Bluegill



Largemouth bass























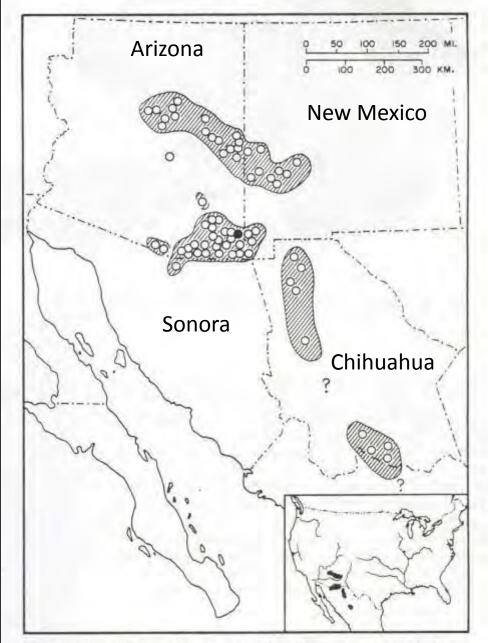










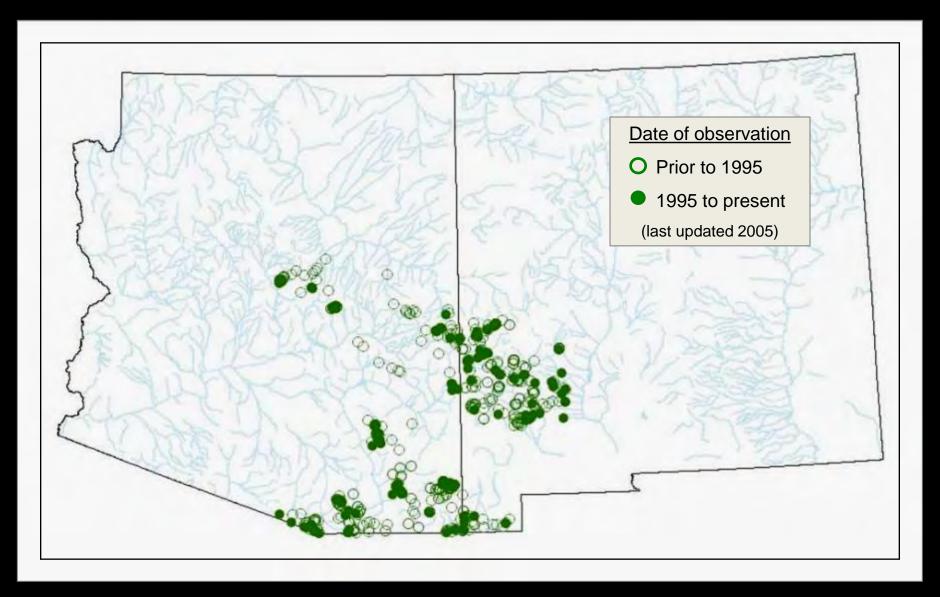


MAP. Solid circle marks the type-locality; open circles indicate other localities.



Chiricahua Leopard frog range

It is estimated that Chiricahua leopard frogs are absent from >75% of their historical localities.



















Adult Home Range

- Male home range
 - Dry season mean = 161.0 m^2
 - Wet season mean = 375.7 m^2
- Female home range
 - Dry season mean
 = 57.1 m²
 - Wet season mean= 92.2 m²























Belostomatids (giant water bugs)



Dytiscids (predaceous diving beetles)



Notonectids (backswimmers)



Anisopterans (dragonflies)





Green sunfish

Largemouth bass

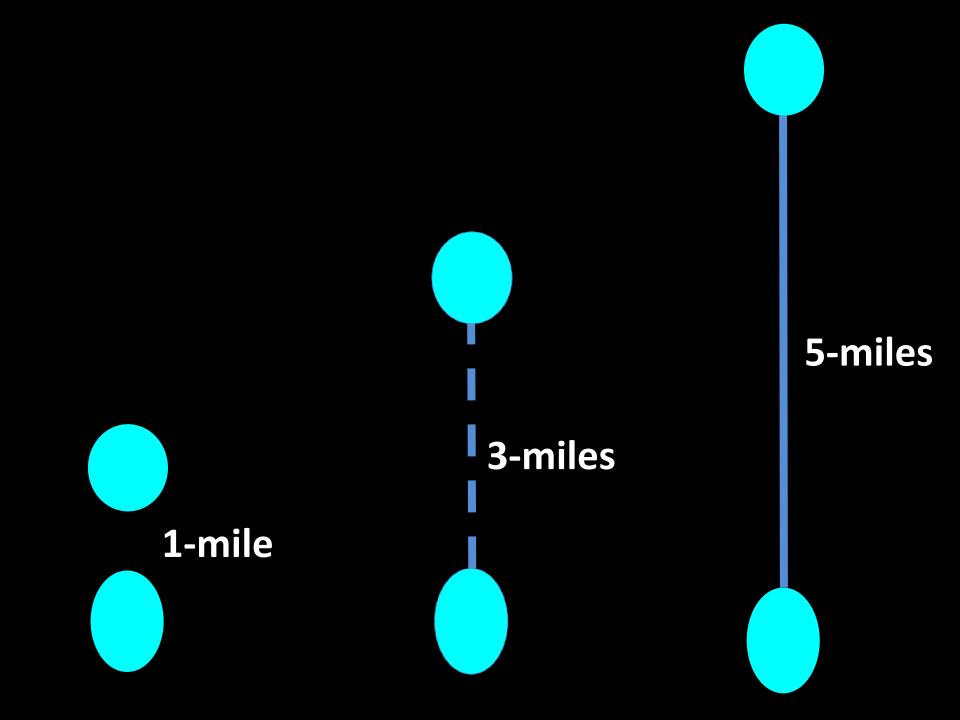




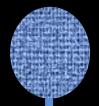
Bullfrog

Crayfish





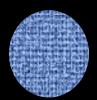




ephemeral



ephemeral

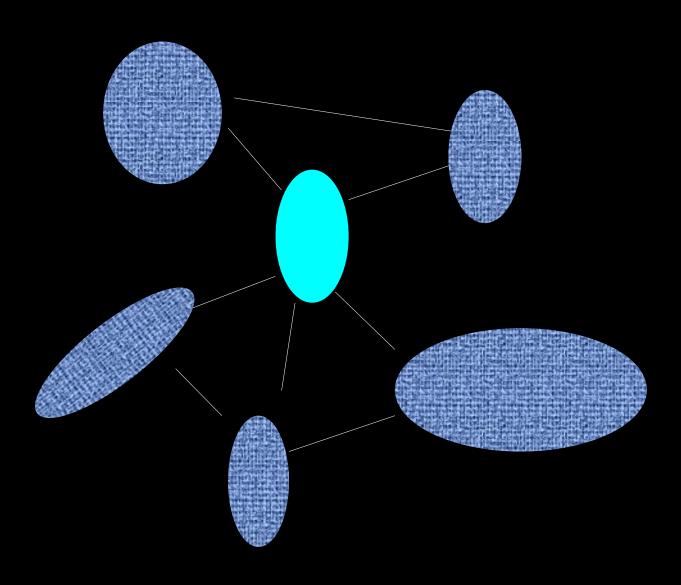


1-mile

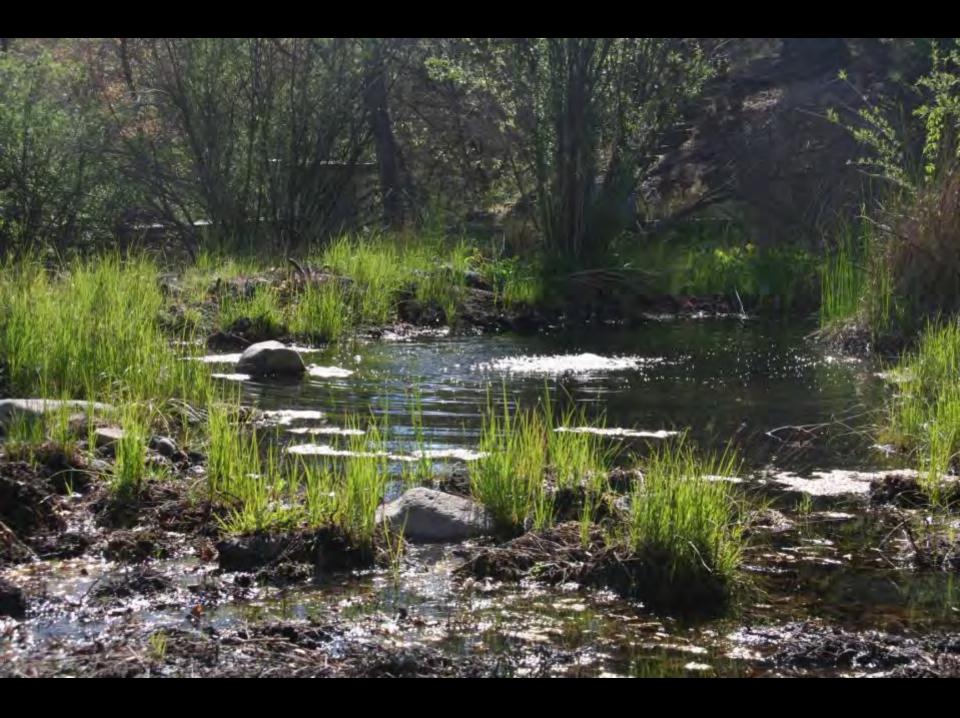
3-miles



Build a variety of wetlands in one area













Northern Red-legged Frog (Rana aurora)



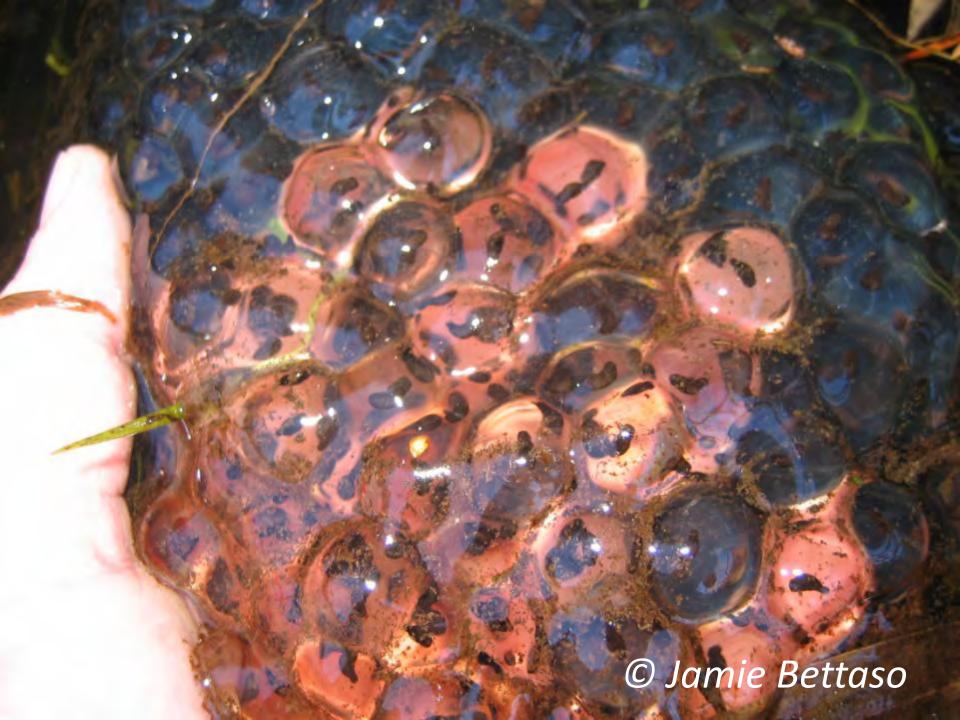
Red-legged Frog Rana aurora



L M. Blackburn, P. Nanjappa, M.J. Lannoo, Last revised 3/29/01









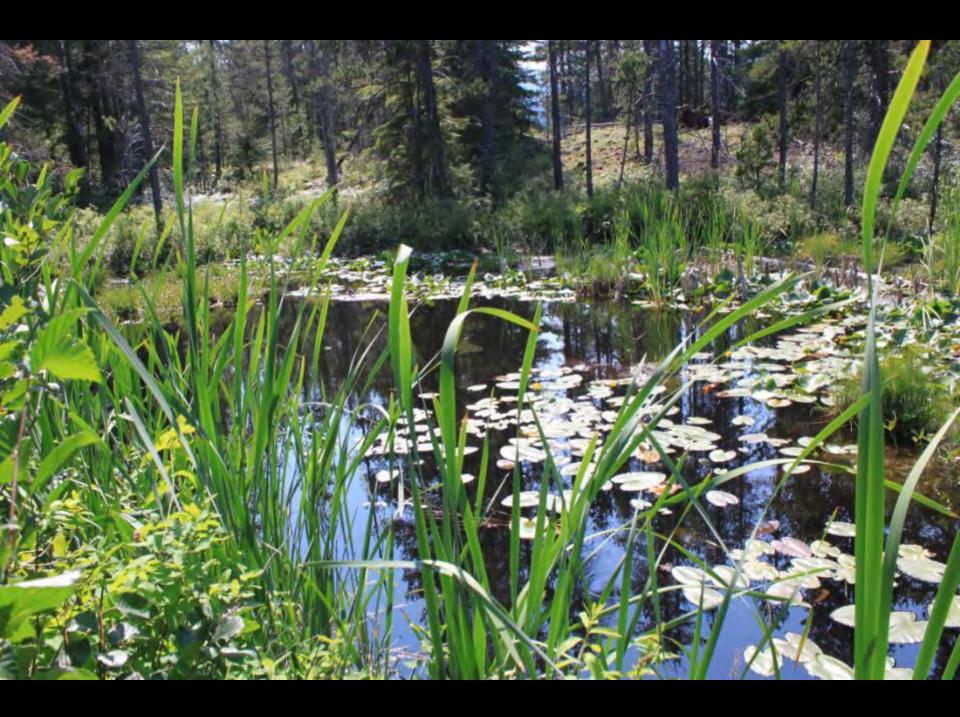
















Bluegill sunfish





N. Red-legged frog breeding site on Vancouver Island

2640 m² (0.26 ha)

- Low canopy cover
- Relatively shallow (<1.5 m in early spring)
- Mix of open water and emergent vegetation
- Low amount of large woody debris (< 10%)
- Ephemeral, dries by September
- No fish



Marginal N. Red-legged frog breeding site

153 m² (0.015 ha)

- Smaller
- Canopy cover















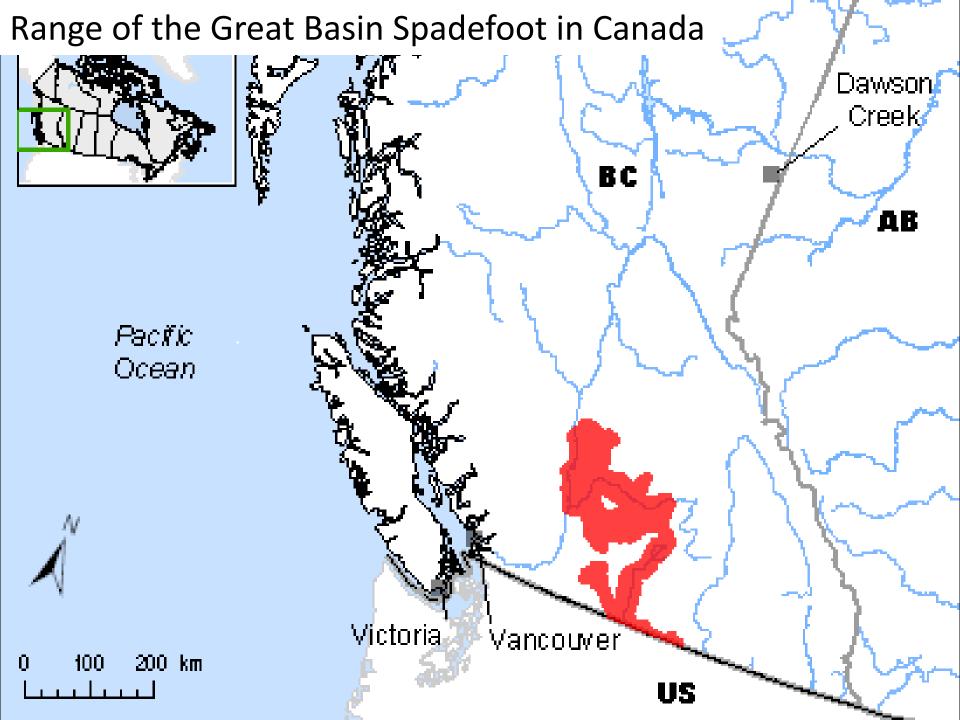




Spade













Green sunfish

American bullfrog











































































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Long Pasture Wildlife Sanctuary
Presents:

A Hands-On Wetland Restoration Workshop for Professionals



Part of the Long Pasture Wetland Restoration Project

Hosted by: Mass Audubon

In collaboration with:

*Center for Wetlands and Stream Restoration

Partners in Amphibian and Reptile Conservation

*****Grassroots Wildlife Conservation

USFWS Partners for Fish and Wildlife Program

Dates: June 25-26, 2013

Location: Long Pasture Wildlife Sanctuary, Barnstable, MA

Wetland Restoration and Creation Workshop

June 11 & 12, 2013

Flagstaff, Arizona

Become involved in the restoration of a wetland from an impacted spring to benefit rare species of wildlife

For more information, e-mail: dtaylor@batcon.org



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