

BEYOND SCORING
VULNERABILITIES –
USE OF VA
IN ADAPTATION PLANNING

CENTURY BOG, MA

- Currently working cranberry bog
- Has valuable wildlife habitats in southeastern MA:
 - Cold water stream
 - coastal plain pond

State acquired site in 2010 because completes portfolio of acquisitions in this area

Century Bog

Resilient for 245 acres
Created a block of 800 acres of conserved land
conserves the Red Brook watershed, habitat for 11 rare species and several
important fish species



CLIMATE CHANGE VULNERABILITIES

Two of most valued habitats at CB highly vulnerable to CC:

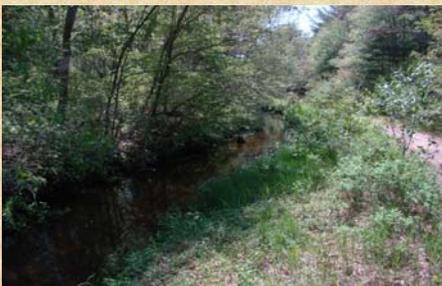
- Cold water stream habitat
- Coastal plain pond

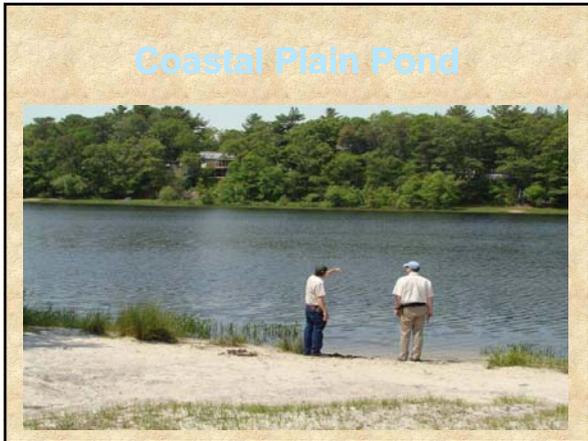
Vulnerability assessment identifies these as particularly threatened

Red Brook



Red Brook





SITE RESTORATION GOALS

- Revegetate bog with riparian habitat
- Protect coldwater stream and fish
- Protect pond and species
- Maintain as high recreational value site
- Maintain as connecting link at landscape scale

Partners - MA DFW, MA DER, Trout Unlimited, The Trustees of Reservations, A.D. Makepeace, Manomet

ADAPTATION AT CENTURY BOG

VA also helps us focus and plan adaptation actions:

- Relocation of stream
- Shading of stream
- Punching holes into aquifer
- Water control in pond

Site Restoration Options



BEYOND VA

- VA was originally important in identifying habitat vulnerabilities
- VA is now acting as important tool in planning climate-smart restoration at site
