

**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

\$3million for 245 acres

Created a block of 883 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



Coastal Plain Pond



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

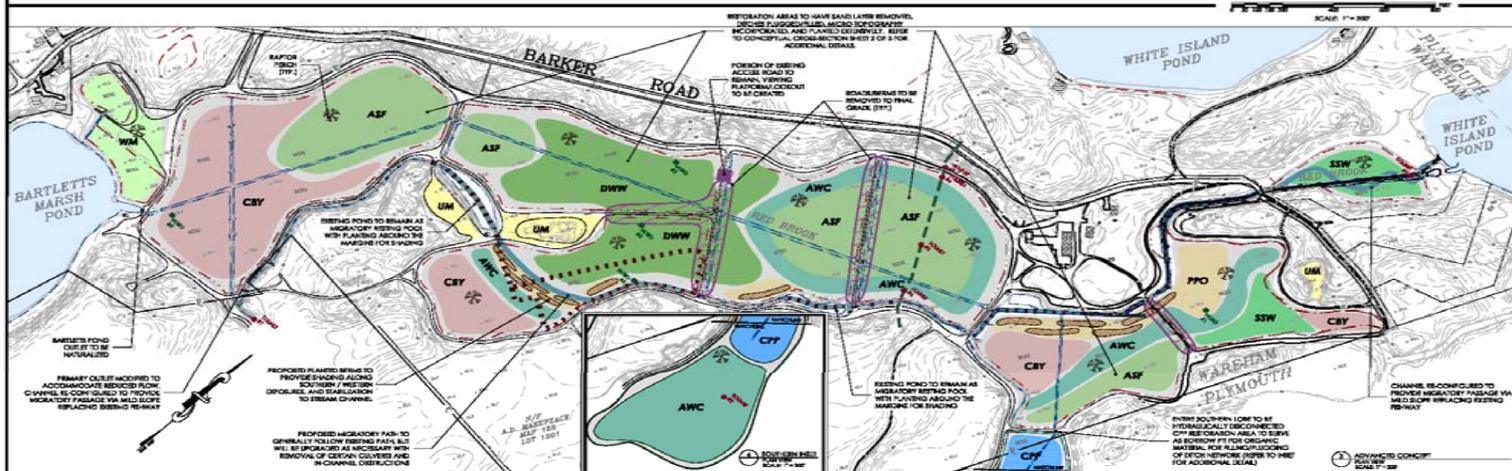
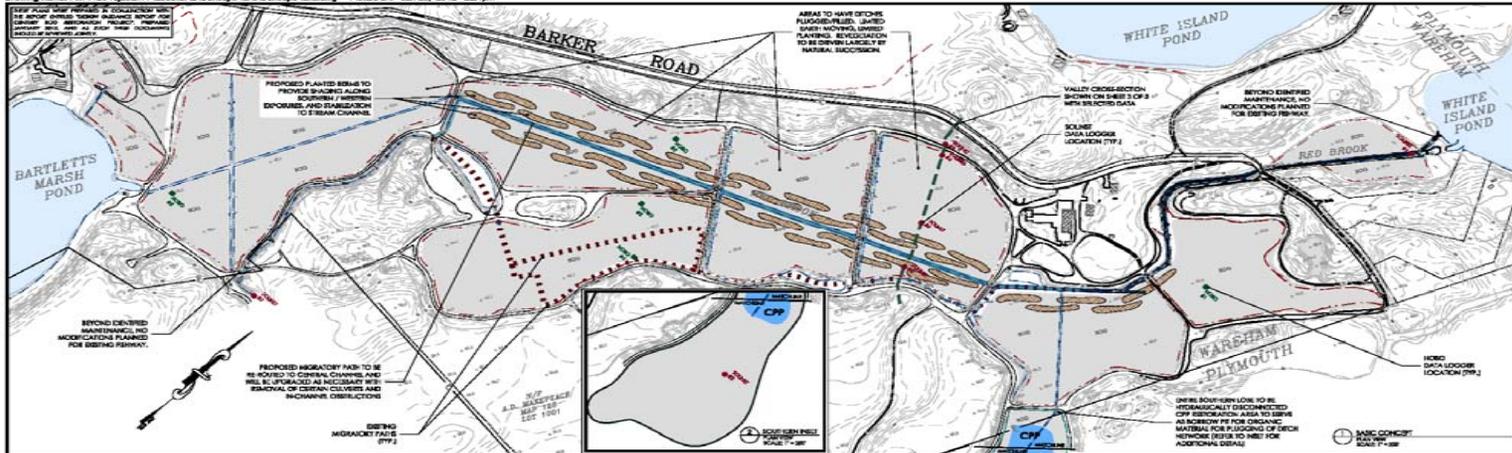
ADAPTATION AT CENTURY BOG

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

Drawing name: P111427.dwg | 1142003.CAD | ConceptPlan.dwg | Planetree.dwg | Printed on: Jan 28, 2012 - 2:24pm



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 MASSACHUSETTS LAW REQUIRES
 REVEALING UTILITIES PRIOR TO
 CONSTRUCTION - STOP CALL
 800-345-3453
 617-888-3444-7233

PROJECT NOTES

- ASF - ASPHALT
- AWC - ASPHALT WEAR COURSE
- CBY - CONCRETE
- CPF - CONCRETE PAVEMENT
- DWW - DECIDUOUS WOODLAND
- SSW - SOFT SOIL WOODLAND
- PPD - PAVED DRIVEWAY
- UM - UPLAND MESSY
- WM - WET MESSY

REVISIONS

DATE	DESCRIPTION

DRAFT

PRINCETON HYDRO, LLC

SCIENTISTS AND ENGINEERS
 1158 OLD YORK ROAD, SUITE 1
 WINDSOR, NEW JERSEY 08061
 PHONE: 908.527.5000
 FAX: 908.527.5008
 WWW.PRINCETONHYDRO.COM

PROJECT NAME/LOCATION:
 CENTURY BOG RESTORATION
 RED BROOK
 TOWN OF WAREHAM
 PLYMOUTH COUNTY, MASSACHUSETTS

DRAWING NAME:
 CONCEPT PLAN

DATE:	JANUARY 26, 2012
DRAWN BY:	JL
CHECKED BY:	JL
SCALE:	AS SHOWN
DATE:	JAN 26, 2012
SCALE:	AS SHOWN

SHEET NO. 1 OF 3

BEYOND VA

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