

Yellow Team Restoration

- Scenario
 - Wildlife Biologist from the Midwest retires to NY and purchases parcel. She is interested in biodiversity and would like to develop as many different wetland types as possible on this parcel of land

Objectives

- Different Ecotypes for Wildlife Habitat
 - Shallow water/permanent pools
 - Emergent
 - Wet meadow
 - Grassland
 - Scrub/shrub
 - Forested wetland

On-Site Inventory

- Soils
 - Deep, organic muck
 - Drained in upper elevations through tiles and ditches
- Vegetation
 - Mature wooded wetland in the northern portion of the site (based upon USGS map, aerial photograph and soil survey)
 - Volunteer trees encroaching from the north and west side
 - Early successional field dominated by goldenrod spp., with some sedges, soft rush, dandelion, stinging nettle, dock

On-Site Inventory (cont'd)

- Wildlife sign
 - Mammals: Mink, Raccoon, Deer, Mink
 - Birds: Mallard, RW Blackbird, Common flicker, Gray cat bird, Wood thrush, Yellow warbler, Common yellowthroat, Song sparrow, Savannah sparrow
 - Amphibian: Leopard frog
- Existing Structures
 - Single Culvert under Road
- Primary drainage from site (Ro, Go), likely horizontal within muck soils and not through surface culvert

Proposed Project

- Multiple Habitat Types
 - Forested Wetland already exists on approx. half the site. No additional forested habitat proposed
 - Capture existing drainage ditches/interrupt existing drain tiles to enhance on-site hydrology
 - No engineered structures (i.e. agri-drain)

Proposed Features/Additions

- Planting plan:
 - Use plugs from existing ditches to seed/innoculate emergent communities
 - Use cold weather grass mix for proposed grassland habitat
 - Allow for natural volunteer vegetation, evaluate after 1-2 years for invasives/additional augmentation
 - Potential need for shrub (dogwood spp., willow, green ash) plantings, depending upon availability of funds

Proposed Features (Cont'd)

- Wildlife habitat structures
 - Tree Swallow Boxes
 - Bluebird Boxes
 - Bat Boxes
 - Wood Duck Boxes

Funding/Timetable

- Funding by Landowner
 - \$50K over 5 years
- Construction to be phased as \$\$ allow
 - Project to be constructed in discrete components
 - Anticipated cost of \$7K/acre (estimated from adjacent site total costs)

O&M

- Little proposed long-term maintenance
 - No water level manipulation
 - Potential mowing as desired by the landowner

Potential for Additional \$\$

- NRCS
 - WRP
 - 30 Year Easement
 - Restoration Cost Share Agreement
- Would allow for larger restoration effort
