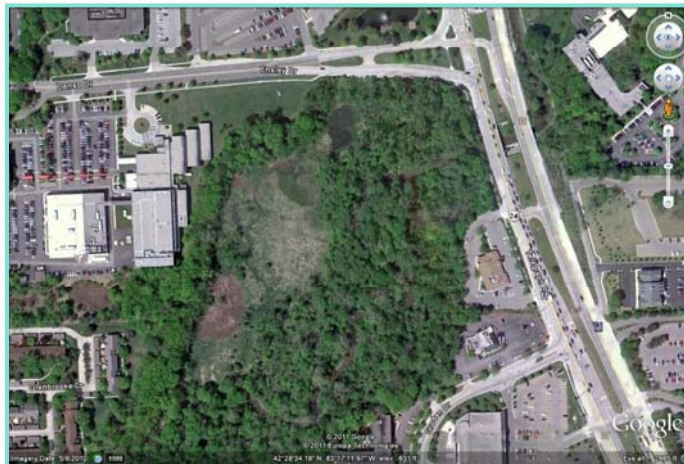


## Great Lakes Restoration Initiative: GLRI 1: Transforming the Rouge Lola Valley Park in Redford Township

- 10 acres of native plantings will be installed in Lola Valley Park in Redford Twp. in the Upper Subwatershed
- Another 5 acres will be installed in the Lower Rouge Parkway



## Great Lakes Restoration Initiative: GLRI 1: Transforming the Rouge Valley Woods Wetland Restoration



## Great Lakes Restoration Initiative:

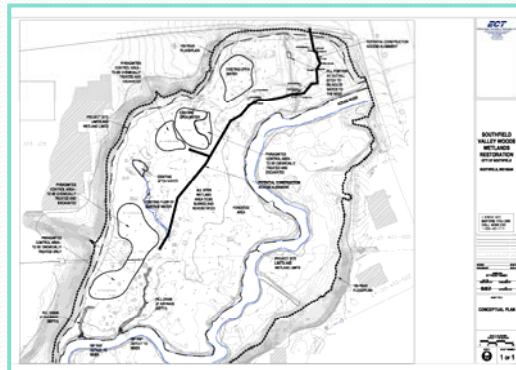
### GLRI 1: Transforming the Rouge Valley Woods Wetland Restoration



## Great Lakes Restoration Initiative:

### GLRI 1: Transforming the Rouge Valley Woods Wetland Restoration

- 7 acres of restored wetlands
- Herbicide treatment of phragmites
- Dredging/Removal 2,000 cyds of phragmites/sediment for open wetland water habitat
- Fill erosion drains
- Burn Treatment of open area wetlands
- Re-vegetation of wetland with native species



## Great Lakes Restoration Initiative: GLRI 2: Danvers Pond Dam Removal And Stream Restoration



## Great Lakes Restoration Initiative: GLRI 2: Danvers Pond Dam Removal And Stream Restoration

### • Project Outcomes & Outputs

- Reduce the Benthos, Fish and Wildlife Beneficial Use Impairments (BUIs) for the Rouge Area of Concern (AOC) 6.5 miles of stream opened for fish
- Approximately 300 feet of stream channel enhancement
- Approximately 2 acres of floodplain habitat restored with Michigan native species
- Progress on Watershed Management Plan Goals (Project is a Main 1-2 Subwatershed Management Plan Action Item)



## Great Lakes Restoration Initiative: GLRI 2: Danvers Pond Dam Removal And Stream Restoration

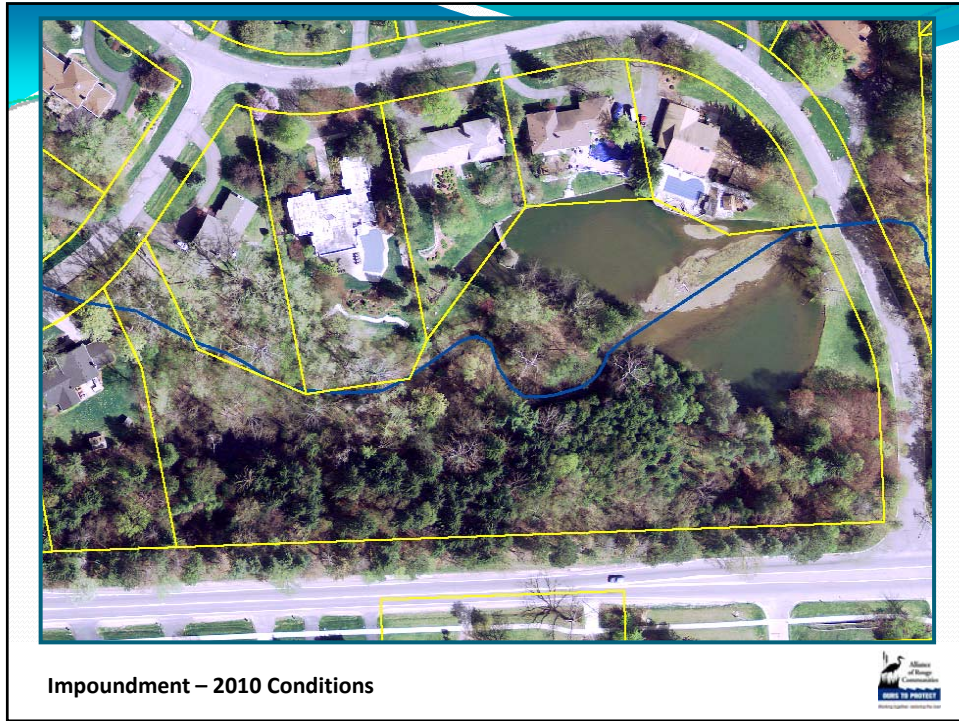


Existing Conditions: Failing Dam



Impoundment – 2006 Conditions

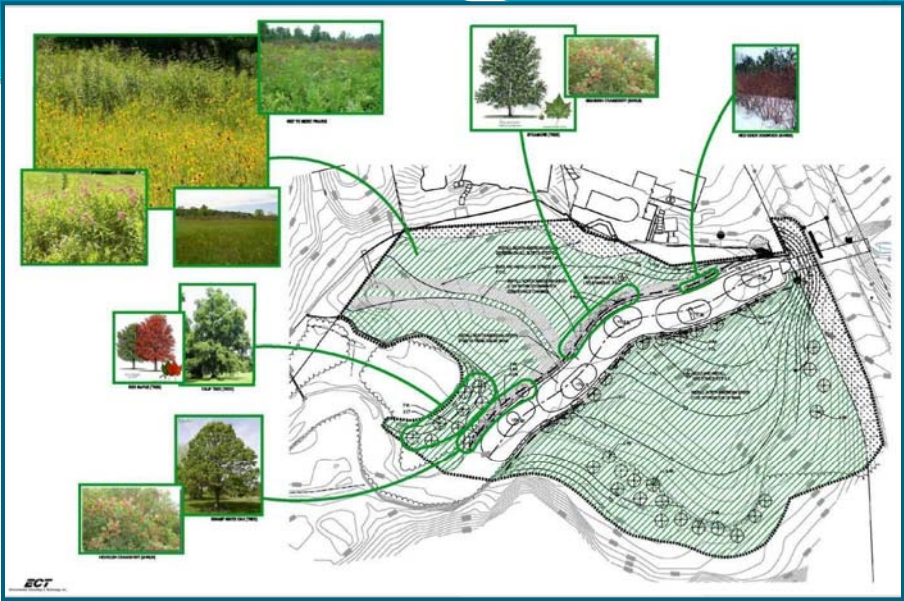




## Great Lakes Restoration Initiative: GLRI 2: Danvers Pond Dam Removal And Stream Restoration

- **Step-pool Threshold Channel**
  - Creates stable stream channel
    - Protects adjacent private property
  - Provides flood plain storage
  - Incorporates natural channel form
  - Limits sediment transport
  - Provides aquatic habitat\*
  - Provides fish habitat\*

*\* Specific Goals of the Great Lakes Restoration Initiative Grant*



The diagram shows a site plan with topographic contours and a stream. Various areas are shaded with different patterns, representing different revegetation zones. Several small inset photographs show various native plants and trees, with green lines connecting them to specific locations on the plan. The plants shown include tall grasses, wildflowers, shrubs, and several types of trees. The plan also shows a road and some buildings.

**Design Plan with Native Revegetation**

ECT

Missouri  
Department of  
Conservation  
**WORK TO PROTECT**

## RPO Round X (NOAA for Implementation): Wayne Road Dam Removal and Stream Restoration



## RPO Round X (NOAA for Implementation): Wayne Road Dam Removal and Stream Restoration

- **The project will:**

- Reconnect 22 miles of the Lower Rouge River (125 miles of its tributaries) back to the Great Lakes  
Restore fish passage by removing the Wayne Road dam
- Insure that the streambed remains stable and protect integrity of the bridge and utilities
- Stabilize the streambank immediately upstream of the dam (north bank) and downstream of the dam (north bank)



## RPO Round X (NOAA for Implementation): Wayne Road Dam Removal and Stream Restoration

**The project components are:**

- Removal of the Dam and Upstream Impounded Sediment
- Construct Riffle/Boulder Cascade
- Realignment of downstream channel
- Remove Island, Construct Bankfull Benches on Both Sides of Channel
- Repair Bank erosion upstream





## SPAC: Developing a Coordinated Effort to Address Rouge AOC Beneficial Use Impairments (BUIs)

- Update the BUI Delisting Strategy developed in 2010
- Develop a Delisting Strategy Template (Upper Sub watershed)
  - Develop a subwatershed map that shows ongoing projects and planned projects; prioritize projects for grant funding.
- Coordination of AOC activities

Table 1: Project Schedule

Activity	Start	End	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6	Phase 7	Phase 8	Phase 9	Phase 10
Update BUI Delisting Strategy	Q1 2011	Q3 2011										
Develop Delisting Strategy Template	Q2 2011	Q4 2011										
Develop subwatershed map	Q3 2011	Q1 2012										
Coordinate AOC activities	Ongoing	Ongoing										

