

Starting from the Bottom

Capisic Pond Enhancement & The Importance of Collaboration & Public Input in Restoration



Capisic Brook

- 2.5 miles
- 1,500 acres
- 31% impervious
- Ch 502 Urban Impaired Stream
- Combined Sewer Overflows



Capisic Brook

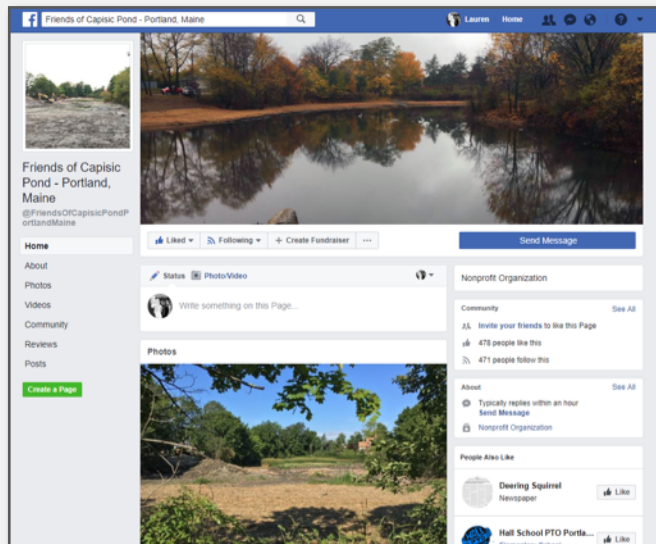
- 2.5 miles
- 1,500 acres
- 31% impervious
- Ch 502 Urban Impaired Stream
- Combined Sewer Overflows
- Watershed Management Plan



- Existing Conditions
- Existing Regulatory Restrictions
- Recommended Improvements
- Restoration Monitoring

Capisic Pond

- Largest fresh water body in Portland, part of 25-acre public park
- Formed in 1660's when dam constructed for grist mill
- Very active neighborhood group – Friends of Capisic Pond



Capisic Pond 1954



Capisic Pond 2015



Capisic Pond

- 1950s – 8 acres open water
- 2010s – 2 acres open water



- Significant Wildlife Habitat (IWWH) rating jeopardized by reduction of open water and lack of diversity
- Upstream sediment & changes in dam weir elevations reduced water depth – monoculture of cattails

Collaborative Design

Phase 1 – Capisic Pond Sustainability Plan

July 2011	Public Meeting
December 2011	Permitting Strategy Meeting
February 2012	Public Meeting
July 2012	Phase 1 Report

Phase 2 – Capisic Pond Preliminary Design

September 2012	Permitting Strategy Meeting
October 2012	Public Meeting
February 2013	Preliminary Design Report
February 2013	Permit Scoping Meeting
March 2013	30% Design Public Meeting
June 2013	80% Design Submittal



Collaborative Design

Final Phase – Capisic Pond Permitting & Final Design

December 2013	Permit Scoping Meeting
December 2013	Public Meeting - 80% Design Review
January 2014	Public Meeting – Permitting Neighborhood Meeting
January 2014	Portland Planning Board Workshop
March 2014	Portland Planning Board Public Hearing
April 2014	Portland Planning Board Level III Site Plan Approval
May 2014	Maine DEP NRPA Individual Permit Approval
July 2014	USACOE Individual Permit Approval
Fall 2014	Rockland Avenue Outfall Reconstruction (Phase I)



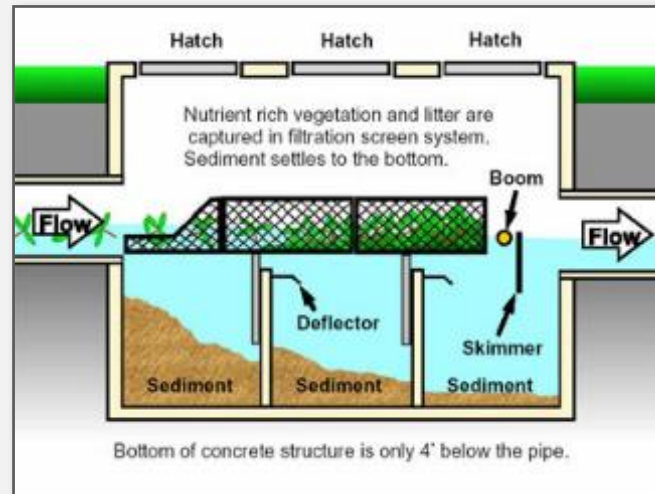
Rockland Avenue Outfall Construction 2014



Outfall Reconstruction &
Permanent Erosion Control

Rockland Avenue Outfall Construction 2014

- Trash Collection with Nutrient Separating Baffle Box (NSBB) by Suntree Technologies



Collaborative Design

Final Design Phase – Capisic Pond Permitting & Final Design

February 2015 Final Design Complete

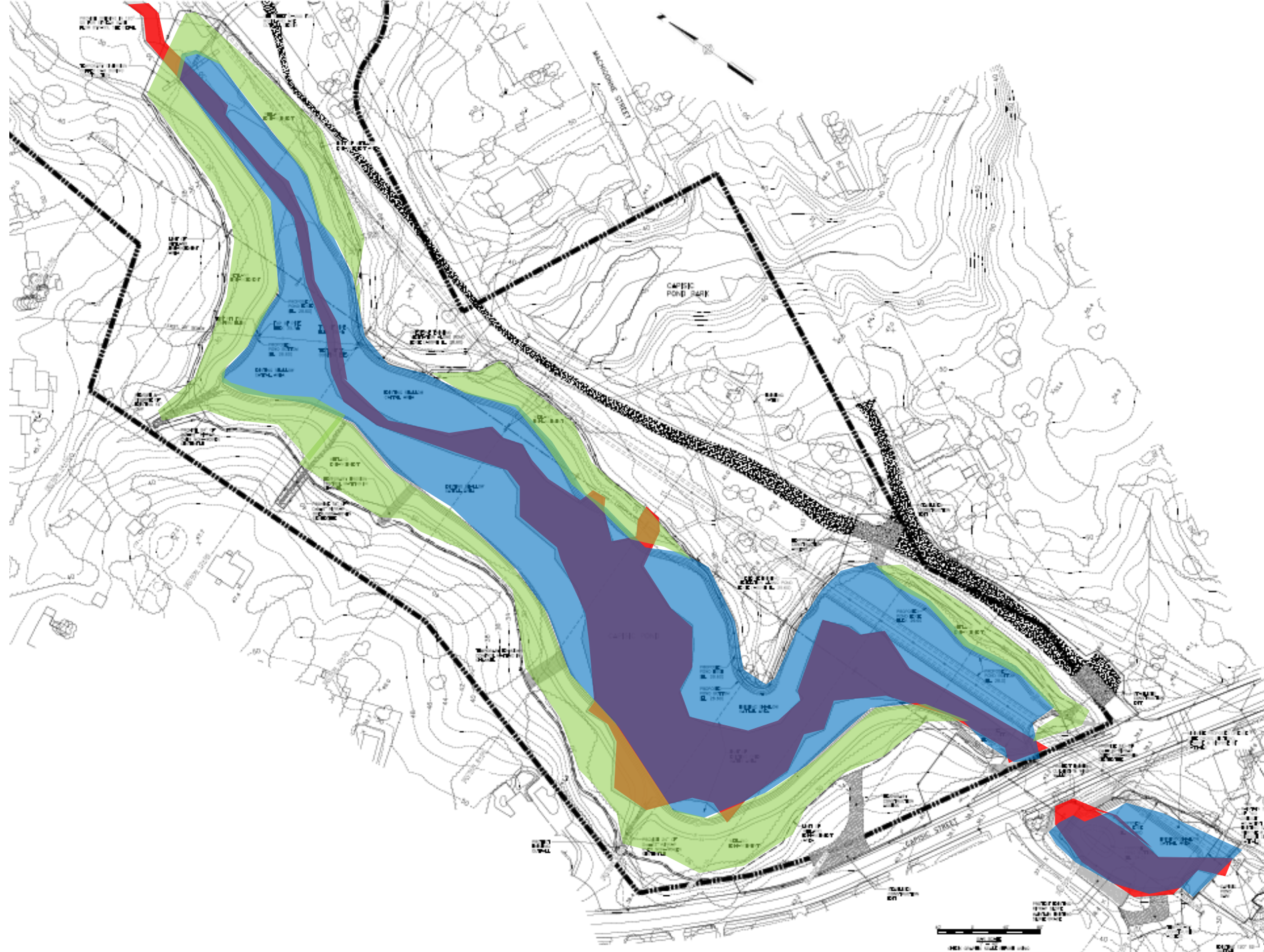
Spring 2015 Final Funding Authorization Complete

June 2015 Public Meeting (Neighborhood Update)

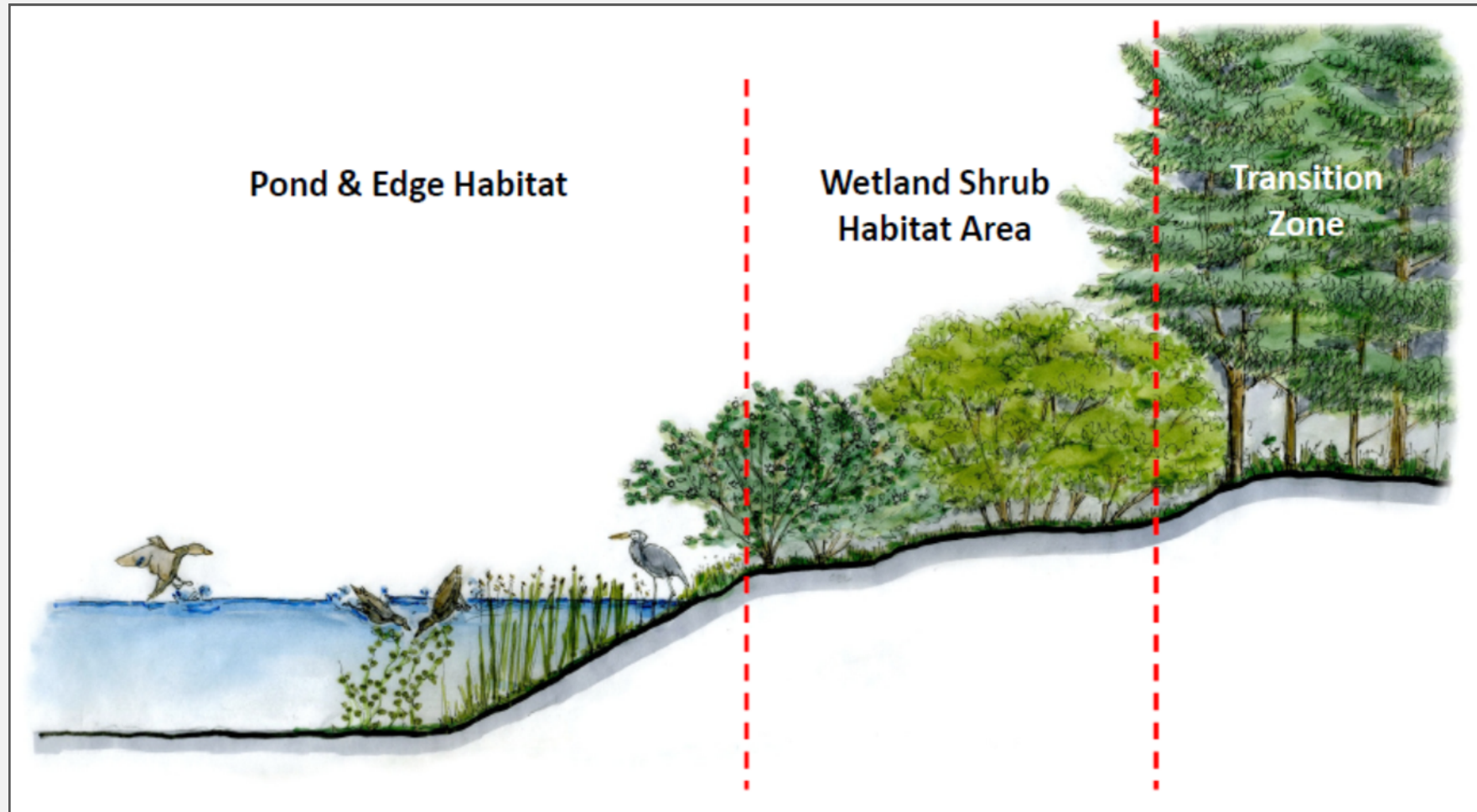
Winter 2015/2016 Bidding

Spring-Fall 2016 Construction





Capisic Pond – Bank Design



Capisic Pond Construction 2016



Construction – Wildlife Management Plan

















Post Construction





Friends of Capisic Pond



Just a Start...

CSO Abatement

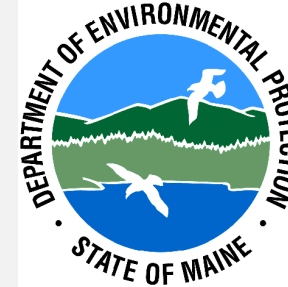


Flow Monitoring

Open Space Preservation &
Natural Resource Protection



Policy Changes – Development Review



Street Sweeping & Catch Basin Cleaning



Public Outreach



Questions?

Thank you!!



