

An aerial photograph of the St. Lawrence-FDR Power Project. A long concrete dam with multiple spillways stretches across a wide river. To the left of the dam, a small island features a parking lot, some buildings, and a tall tower. The surrounding area is lush with green trees and vegetation. In the background, more water and distant land are visible under a clear sky.

# St. Lawrence-FDR Power Project

## Fisheries Restoration

# Project Plan View



# Relicensing Settlement Agreement

- Cooperative Consultation Process
- Stakeholders (Regulatory Agencies, NGO's) drove issue identification and study design
- Fish, Wildlife and Recreation Enhancements
- Objectives were set by stakeholders
- Focus on habitat creation rather than extensive studies
- All projects included effectiveness monitoring
- New 50 Year license issued in 2003

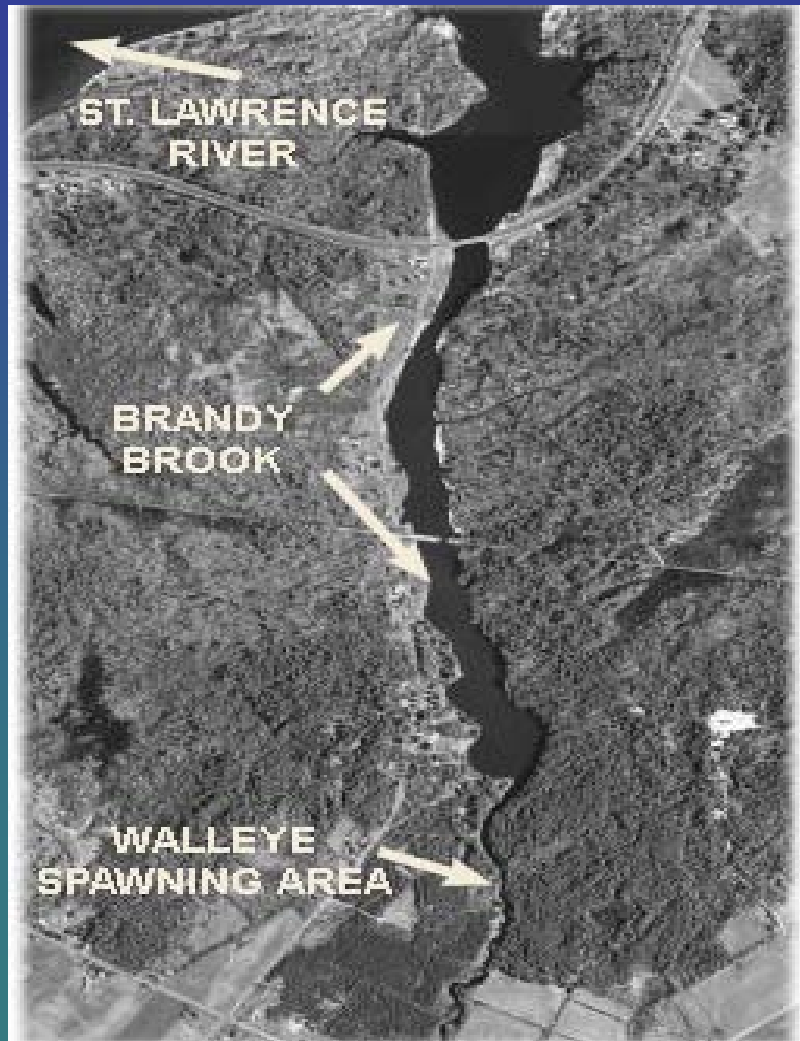


# Lake Sturgeon Spawning Beds

- Install 6 gravel beds for additional spawning area for sturgeon
- 2 beds installed in 2007
- Many sturgeon attracted to beds
- Eggs laid and larvae collected
- Additional beds will be installed at future date

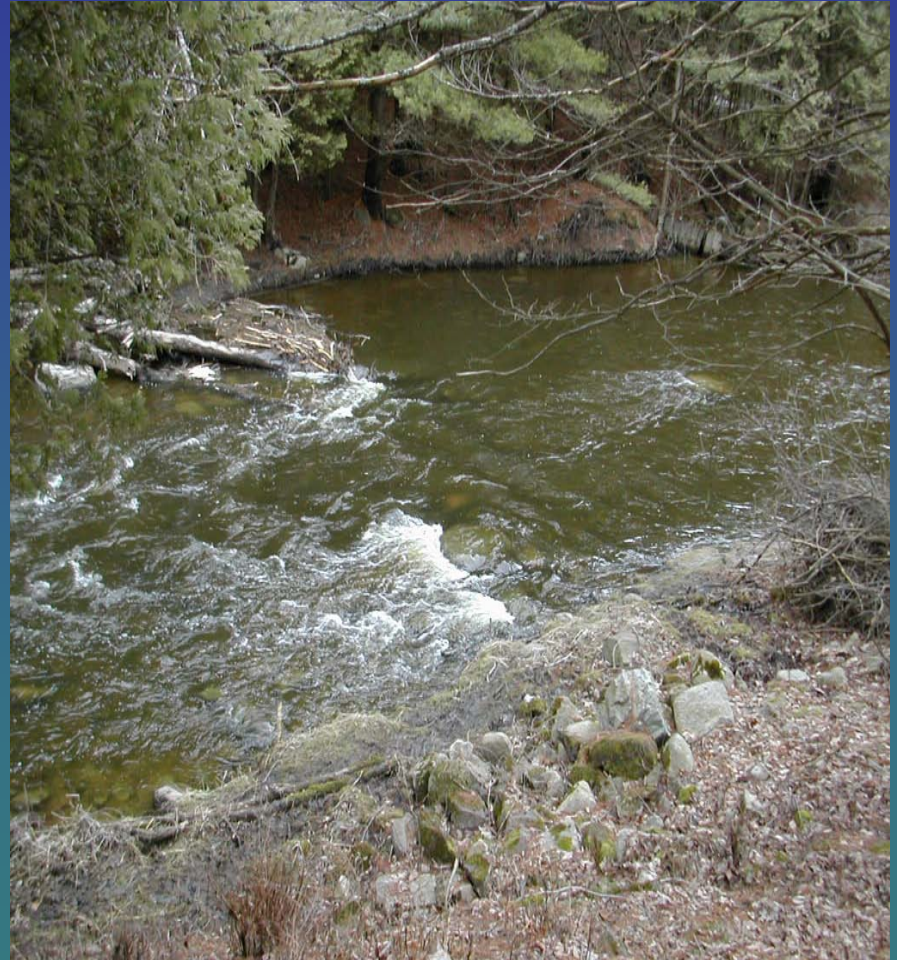


# Walleye Spawning Beds



# Walleye Spawning Beds

- Enhancement of existing spawning area in St. Lawrence River tributary through placement of gravel & rocks
- Installed in 2007
- Eggs laid and larvae collected in enhanced areas





# Tributary Fish Passage

- Fish enter Creek in spring to spawn
- Create notch in existing weir to assure access at low water levels
- Completed December 2006
- Notch typically opened each spring



# Emergent Wetland Restoration

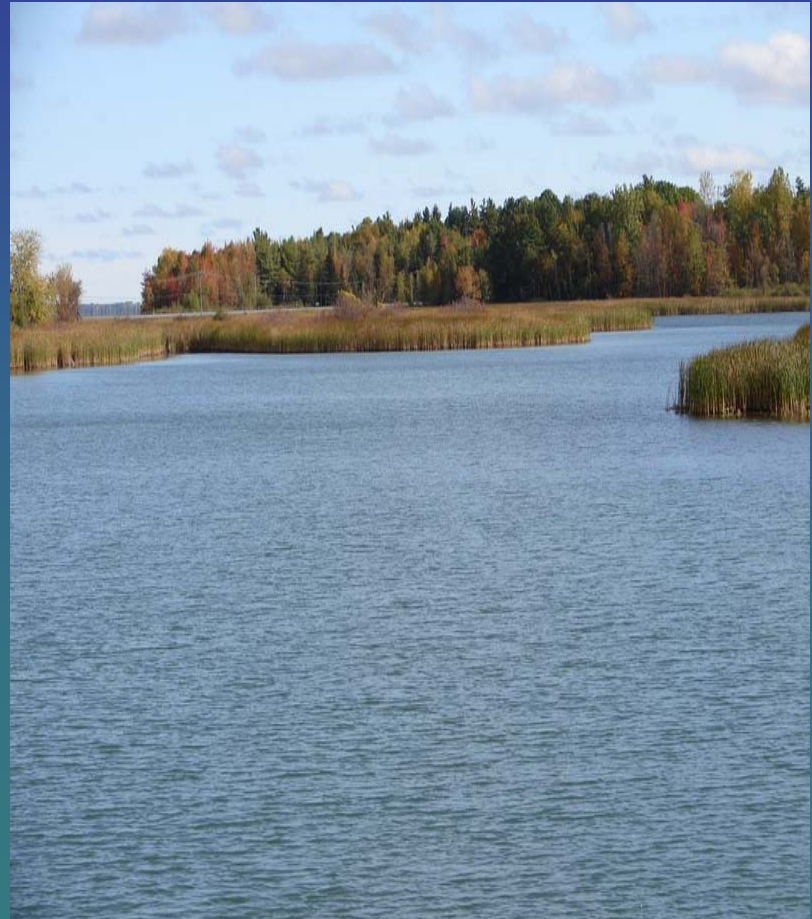
- Improve 1500 feet of unvegetated shoreline
- Contour shoreline and plant native wetland vegetation (2007)
- Vegetation well developed
- Invasive species control (2008)





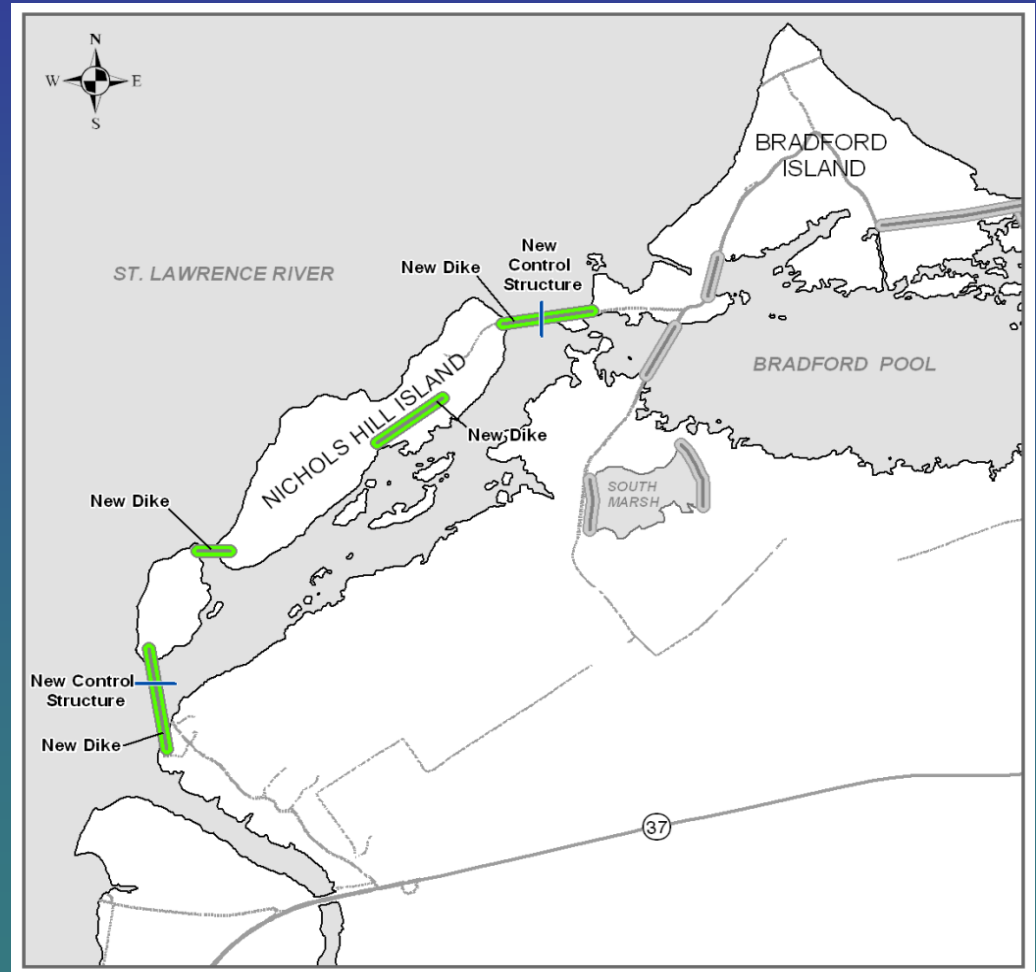
# Constant Level Pond

- Improve/diversify existing wetland
- Fish way to provide access to pond
- Pump water from adjacent tributary to Pond – control water levels to manage wetland vegetation
- Construction scheduled for late 2010

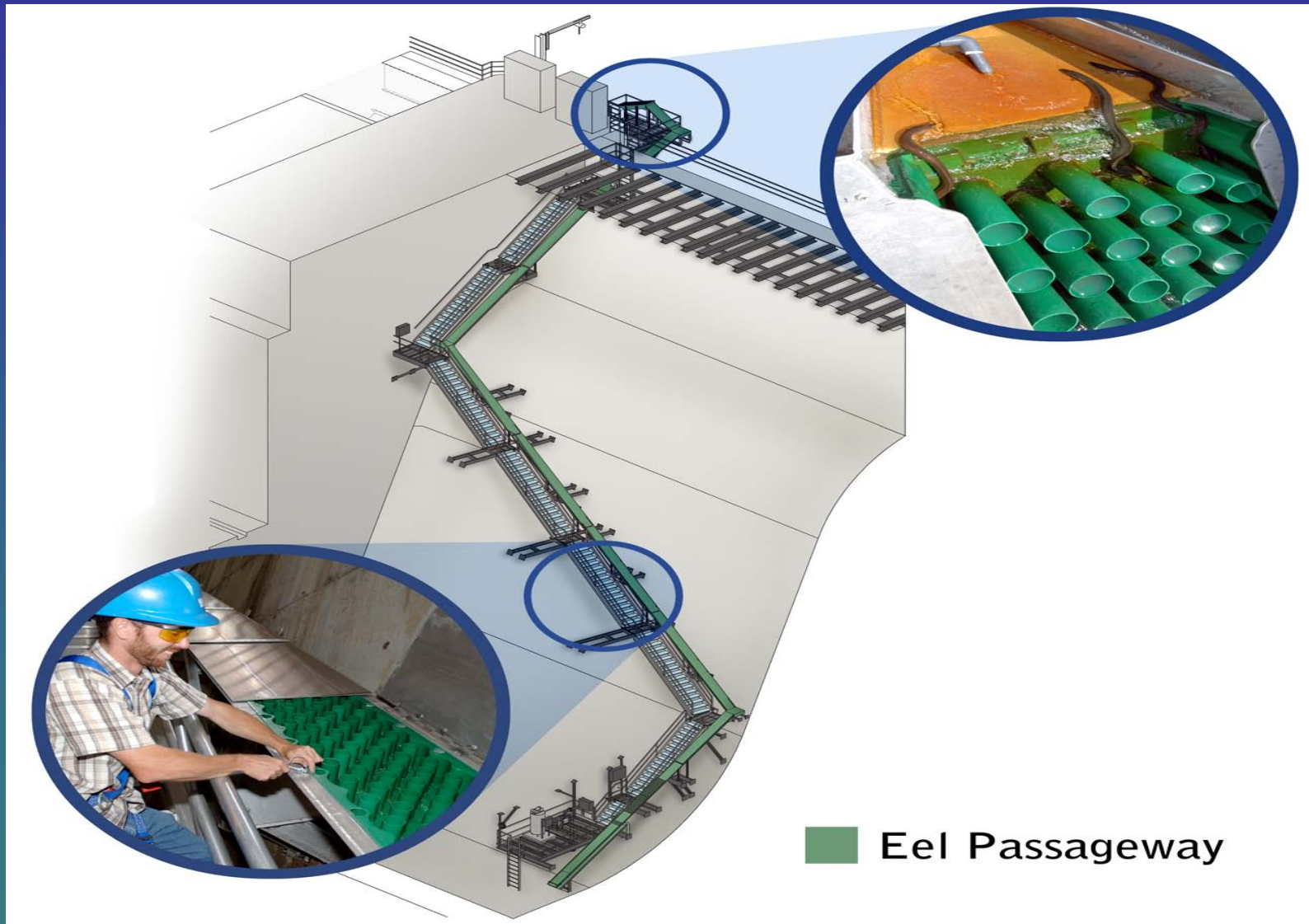


# Constant Level Pond #2

- Create wetland with emphasis on spawning/ nursery area of fish
- Fish way provides access to pond
- Construction scheduled for 2010



# New Eel Ladder





# Challenges

- Developing trust with stakeholders
- Keeping stakeholders in the loop from the beginning
- Group Review of species objectives and approval of concept designs for habitat improvement projects
- Adaptive management (identify problems before design is advanced)
- NYPA Implementation Team
- Consultation with Technical Advisory Council