NYSDOT Adirondack Park Umbrella Wetland Mitigation Bank Proposal



7th Biennial Northeastern Transportation and Wildlife Conference

Lake Placid, NY

September 12, 2016

Presented by: Ed Frantz- NYSDOT

Overview

- Background on Wetlands and Wetland Mitigation
- Transportation Considerations
- Challenges
- Purpose and Need for Wetland Banking
- Status and Process
- Questions

NYS Direct Wetland Impacts

(Estimates Greater Than 50% since Colonial Days)

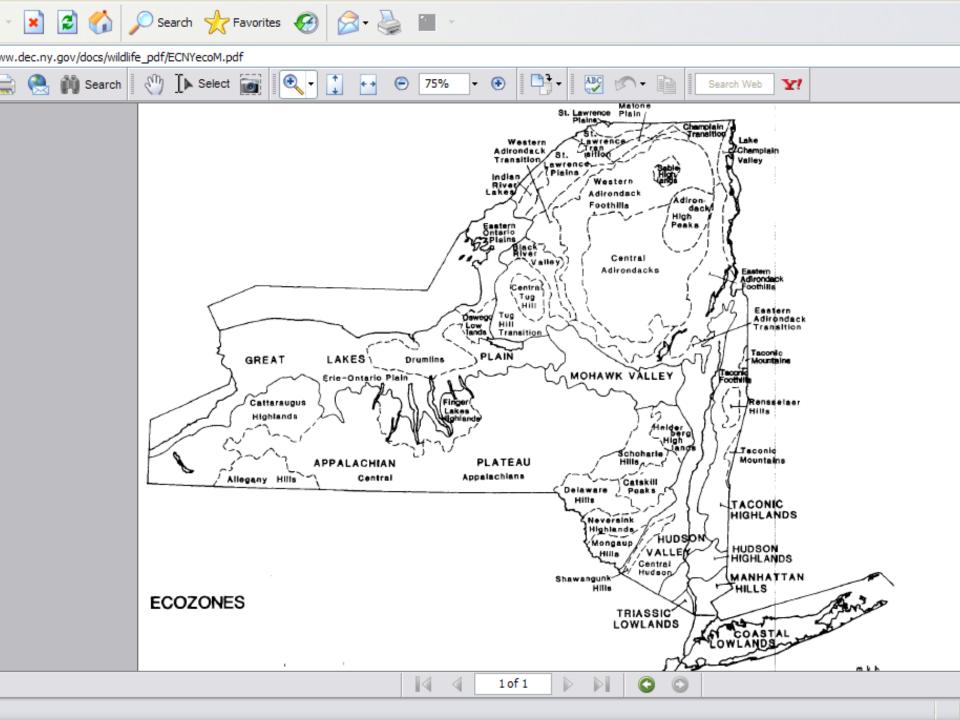


"NO NET LOSS" Avoid, Minimize, Replace



Emphasis on Direct Wetland Impacts





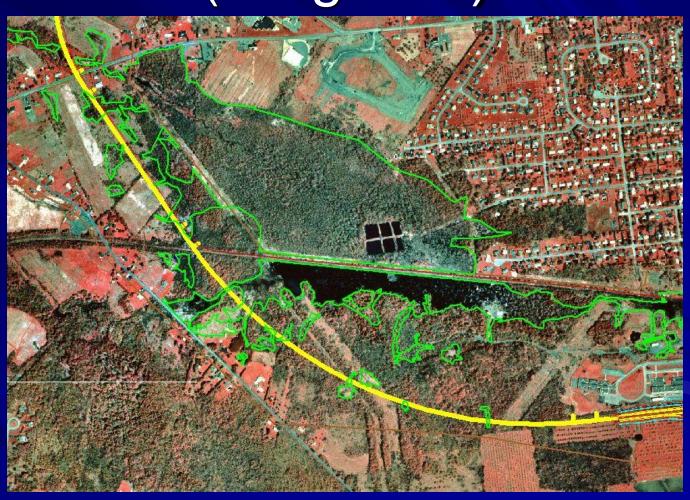
NYSDEC Wetland Mapping- Oswego



NYSDEC Wetland Mapping-Broome County



On-Site Replacement (Mitigation)



Utica Rome Expressway (1997)

Wetland Process Results

- -14 Acres of Direct Wetland Impacts
- -Initial Mitigation Proposal: Estimated: Cost 2.1 Million (Number was Low)
- -Final Mitigation Proposal: Cost 1.5 Million
 - <More Wetlands Creation than Original plan
 - <MOA \$800,000 Signed October 2000 for Acquisition, Education, Wetland Creation, Invasive Species Control, etc.





Challenges

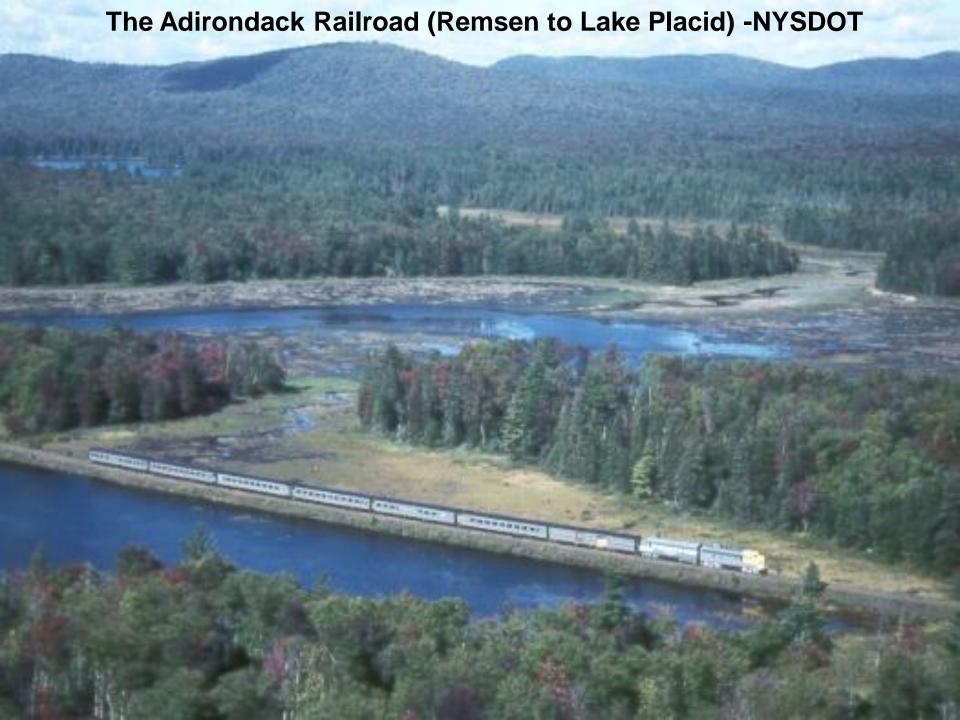


How Many Wetland Banking Sites in NY?

3 Individual Banking Agreements— Fort Drum, Raymond Road, and Cornerstone

0- Umbrella Wetland Banking Agreements

- Why So Few? Supply and Demand
 - NC= 19, Florida= 83, GA= 115
 - -MA=0, VT=0, PA=0





Relationship to Natural Resources

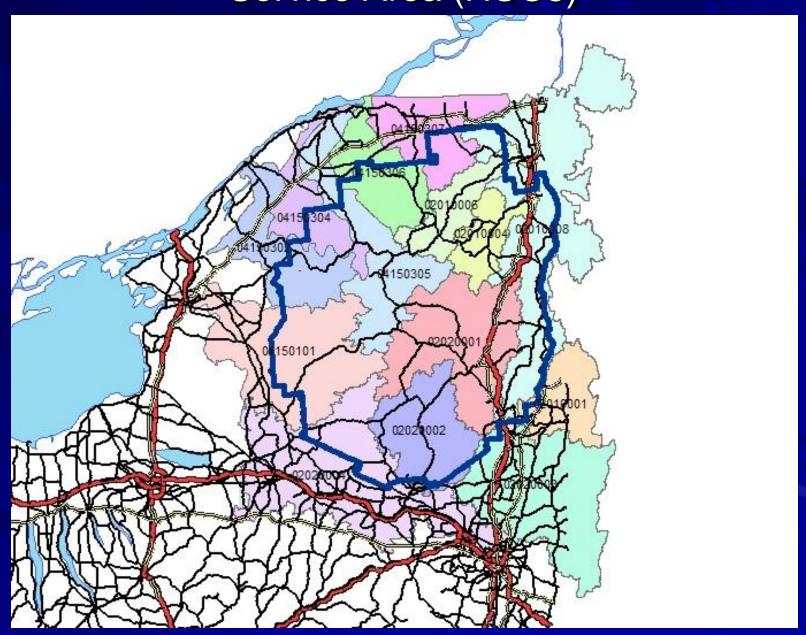


APA Wetland Mapping

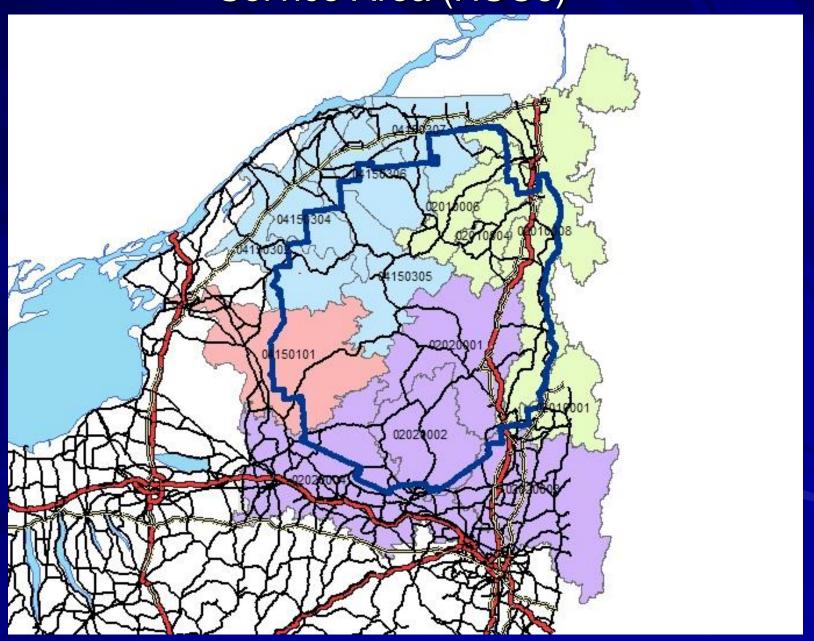
Primary Involved Agencies Inter-Agency Review Team (IRT)

- Adirondack Park Agency
- US Army Corps of Engineers (NY&Buffalo)
- NYS Department of Environmental Conservation
- US Environmental Protection Agency
- US Fish and Wildlife Service
- Federal Highways Administration

Service Area (HUC8)



Service Area (HUC6)



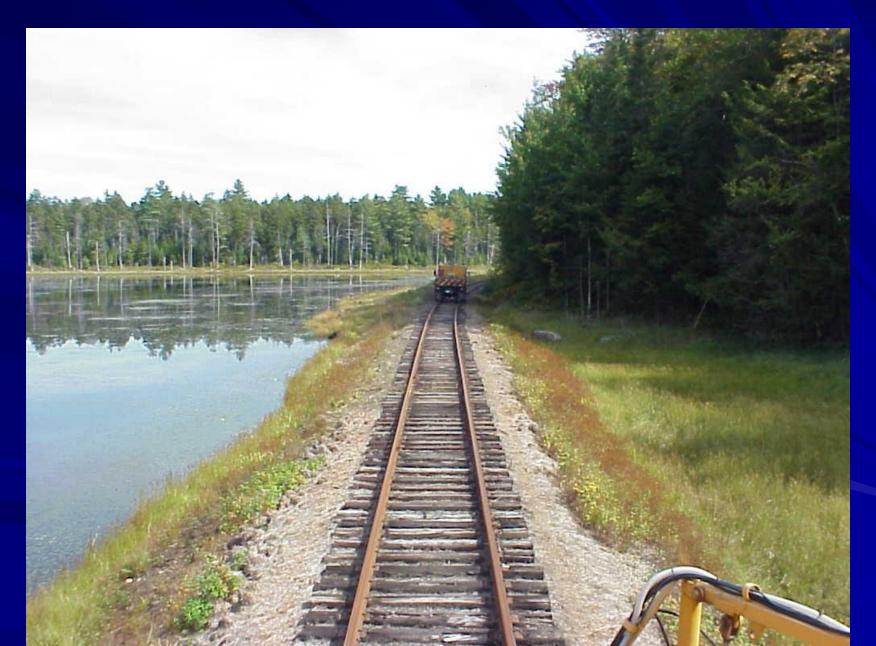


Purpose and Need for Banking



- Lower Unit Cost
- Better Goals and Objectives
- Longer Monitoring
- Opportunity to do more
- Greater Potential for Success
- Ability to BeOpportunistic

Many Limited Transportation Footprints







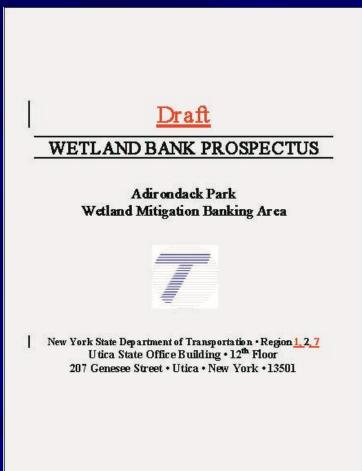
Dilemma- Shoulder Widening and Culverts



Route 28: Can Know Accommodate Wider Shoulder



ADK Wetland Mitigation Banking Status



- Agency Concurrence for Need 9/2007
- Draft Prospectus
- Goal 2012Completion
- Multi-Site Banking Agreement (Need)
- 3 Sites Built
- > 50 Potential Sites

Status

Using Federal Guidance for the Establishment, Use and Operation of Mitigation Banks

– Requires

Bank goals and objectives; Ownership of bank lands; Bank size and classes of wetlands and/or other aquatic resources proposed for inclusion in the bank, including a site plan and specifications; Description of baseline conditions at the bank site; Geographic service area; Wetland classes or other aquatic resource impacts suitable for compensation; Methods for determining credits and debits; accounting procedures; Performance standards for determining credit availability and bank success; Reporting protocols and monitoring plan; Contingency and remedial actions and responsibilities; Financial assurances; Compensation ratios; Provisions for long-term management and maintenance.

Best Site Opportunities

Old Alignments

Reload Sites / Facilities





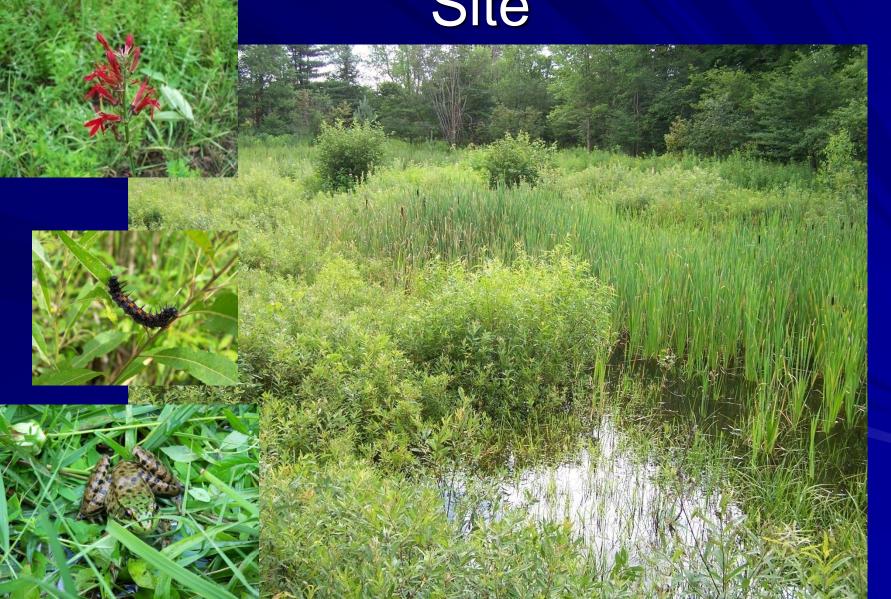
Flansburg / West Canada Creek Opportunistic Site



- Built 1999
- Established
- 0.78 acres
- Adjacent to West Canada Creek
- Old Reload Site
- Excavated Material used to restore mine
- Credit Issue ?



Flansburg / West Canada Creek Site

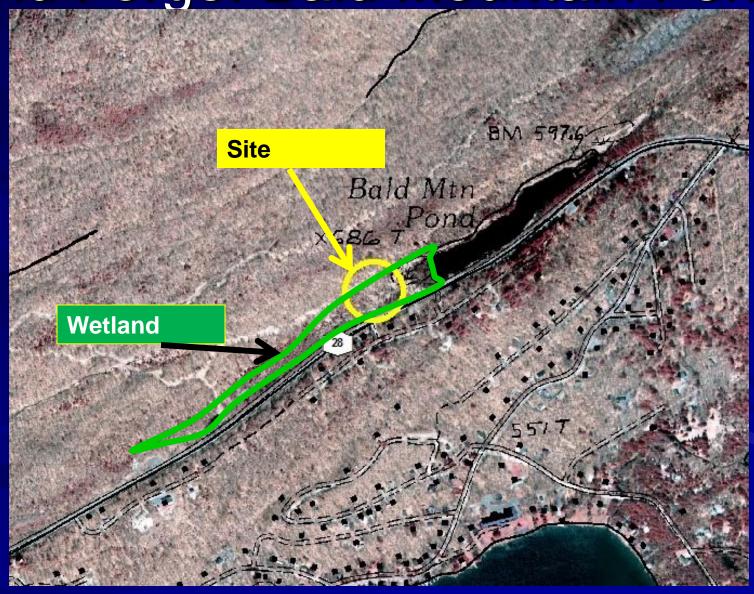


Old Forge: Bald Mountain Pond Small Site- Big Value

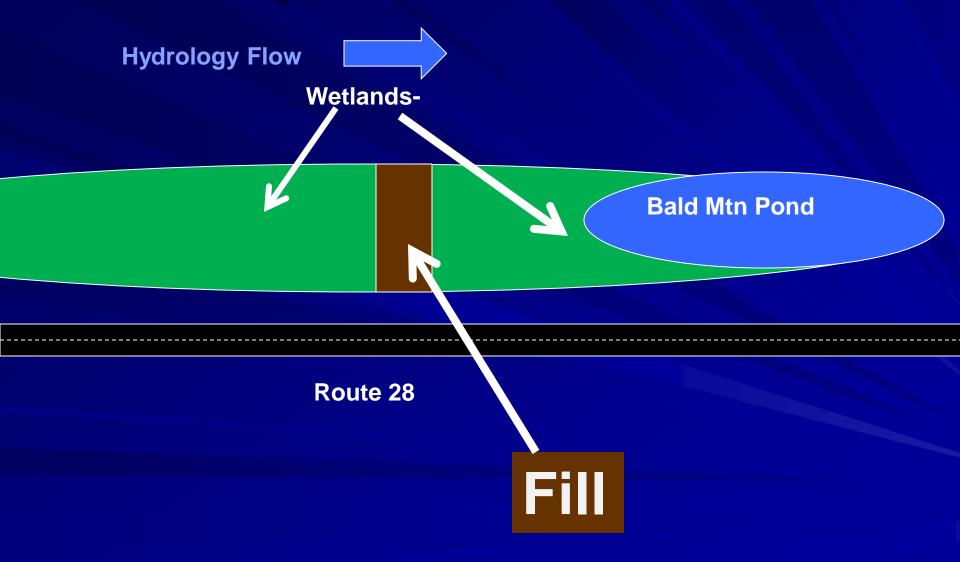


- 0.18 acres
- High Quality Wetland Restoration
- 20 plus feet of old fill
- Partnership with NYSDOT and Town
- Cost 30 K or 166 K / Acre

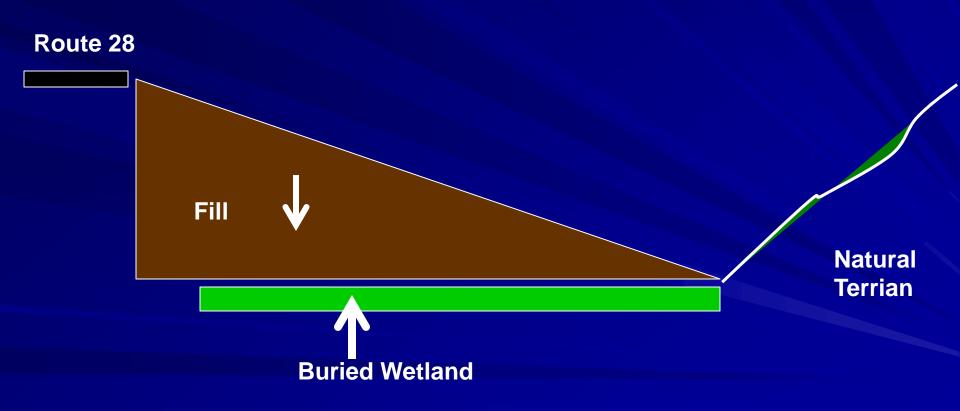
Old Forge: Bald Mountain Pond



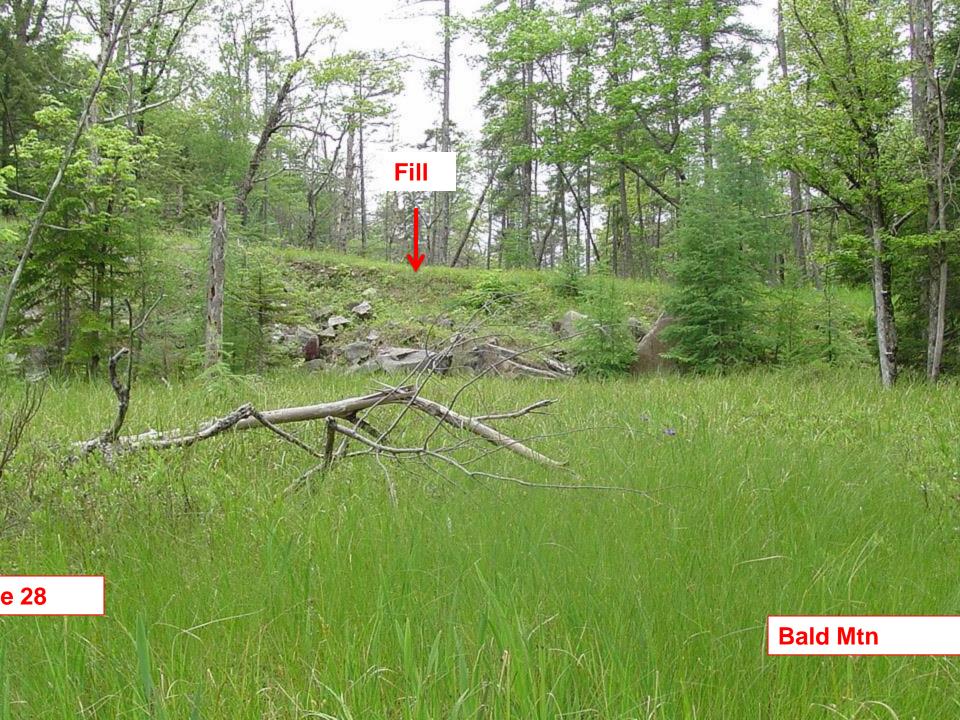
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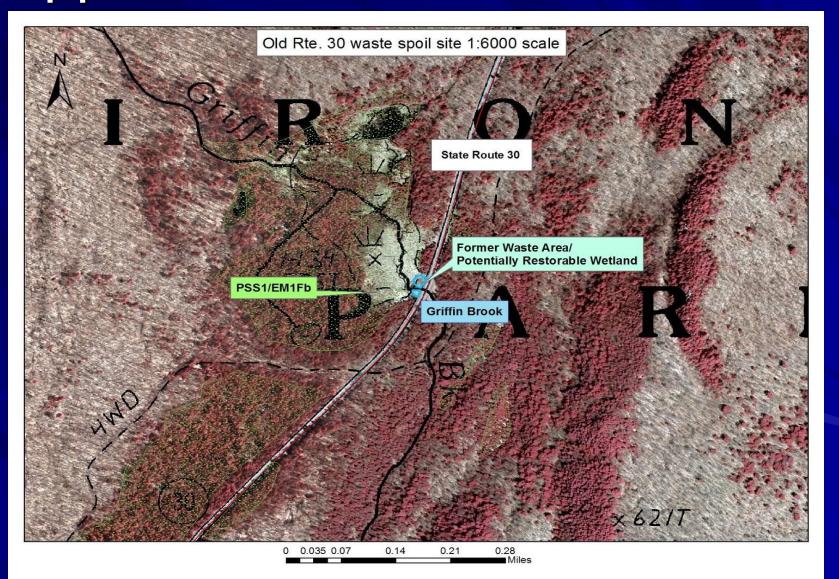








Route 30 Griffin Brook Opportunistic / Multi Benefit Site



Route 30 Griffin Brook



Route 30 Griffin Brook

2805.27 Culvert Project 11 Site 7 Route 30 - C220045 - RM 30-2206-1422 Town of Indian Lake, Hamilton County





New Parking Area

Education and Outreach



Education and Outreach



