NORTH OTTAWA IMPOUNDMENT
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North Ottawa Impoundment
Pre-project: The Problem
North Ottawa Impoundment Operation Plan

- Flood Damage Reduction – 16K ac-ft Gated Storage (BdSWD)
- Water Quality – Sedimentation and nutrient uptake by vegetation (RRBC)
- Habitat Enhancement – Moist Soils Management for migrating waterfowl and shorebirds (MNDNR)
North Ottawa Project Site

- 75 square mile drainage basin
- 10 mile diversion ditch
- 3 square mile impoundment
- 2 primary flood storage cells (C)
- 8 interior diked storage cells (A&B)
Management Plan Implementation

- 2 primary flood storage cells (C)
- 8 interior diked storage cells (A&B)
  - 2 conventional crop
  - 3 water holding
  - 3 moist soils and wetland
Water level manipulation in B4 cell
Wetland plants including Cattail in Cell B4
Interior Dikiing Network

- Water level manipulation in A4 & B4 cells
  - Sedimentation
  - Nutrient Removal
Monitoring Initiatives
North Ottawa Nutrient Capture and Biomass Harvesting
Biomass Utilization

• Agricultural Soil Amendment – Green Manure
• Bioenergy – Fuel Pellets
• Biocomposites and products
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North Ottawa Nutrient Capture and Biomass Harvesting

Project Publication YouTube Link

http://youtu.be/5X5E3APpsMQ