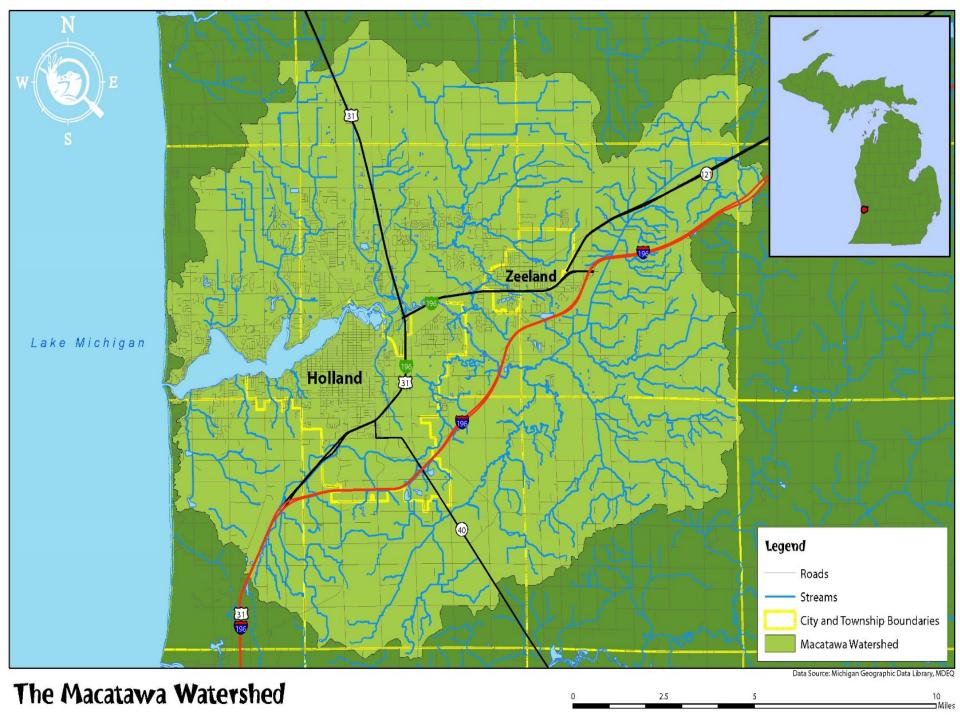
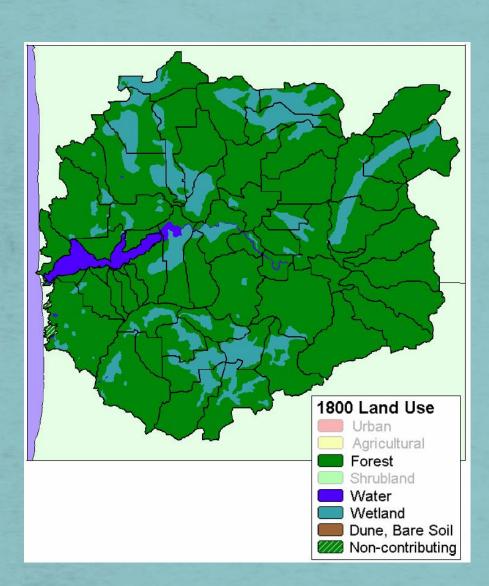


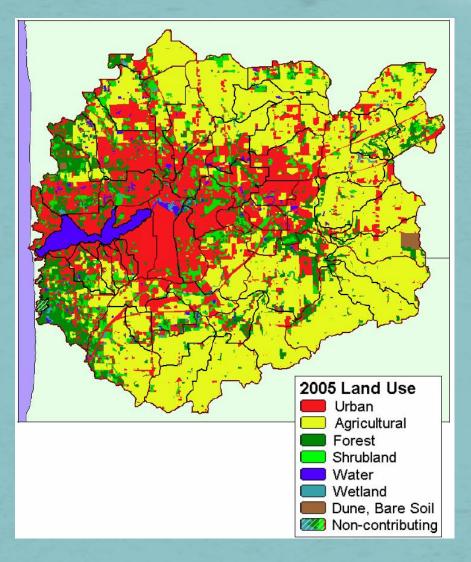
# PROJECTclarity

Restoring the Macatawa Watershed Update



# Land Use





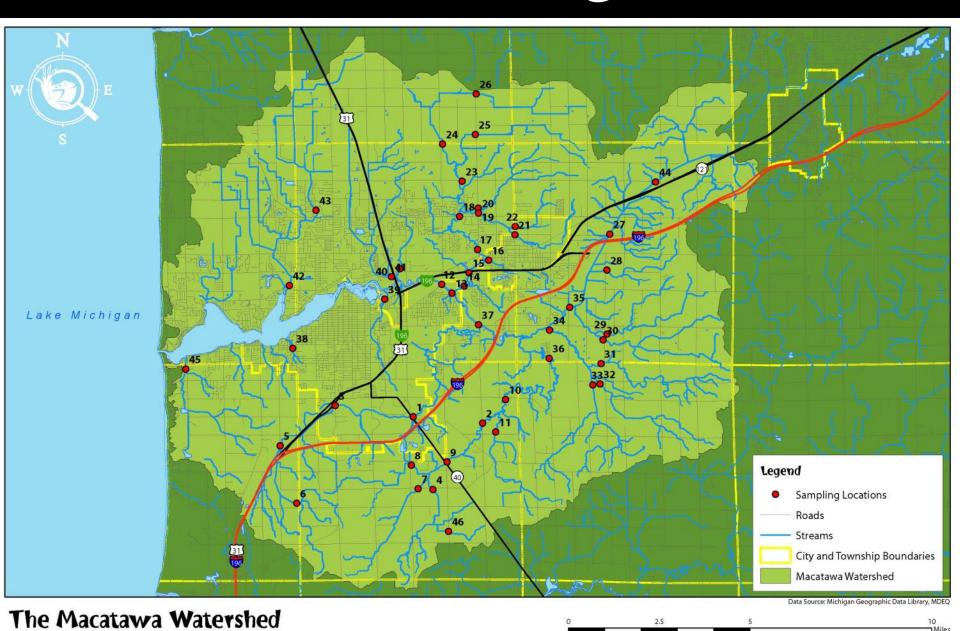




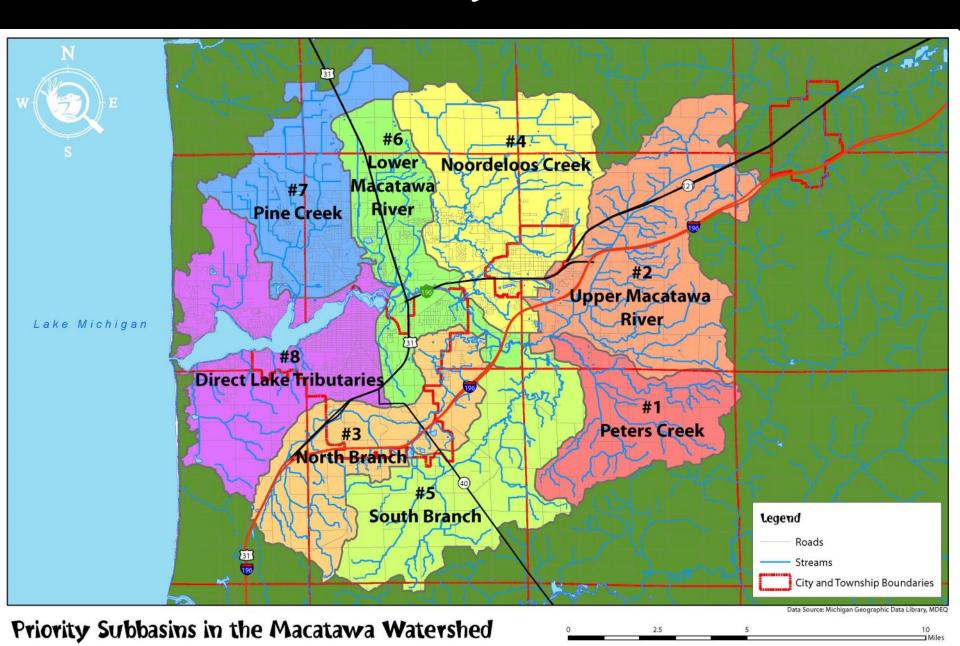


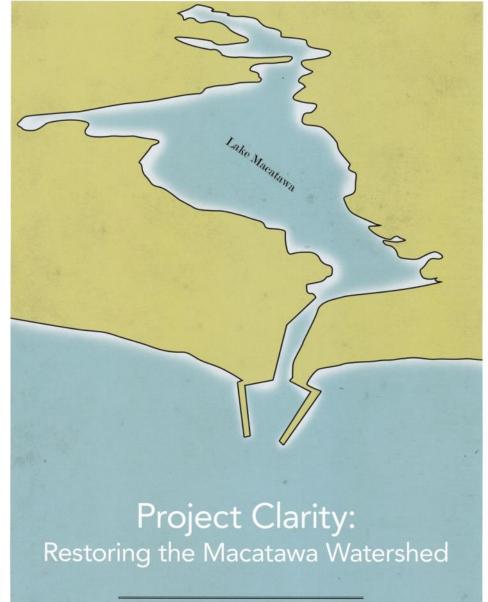


### Monitoring



### **Priority Areas**





### Comprehensive Restoration Plan

Comprehensive Restoration Plan

### Phase Two: Goals

- No "silver bullet" fix
- Multi-faceted approach required
- Meet DEQ TMDL
- 70% Reduction Phosphorus (Sediment)
- Focused in 5 areas

### Five Focus Areas

- Land acquisition
- Wetland restoration
- Best Management Practice implementation
- Education
- Maintenance and monitoring



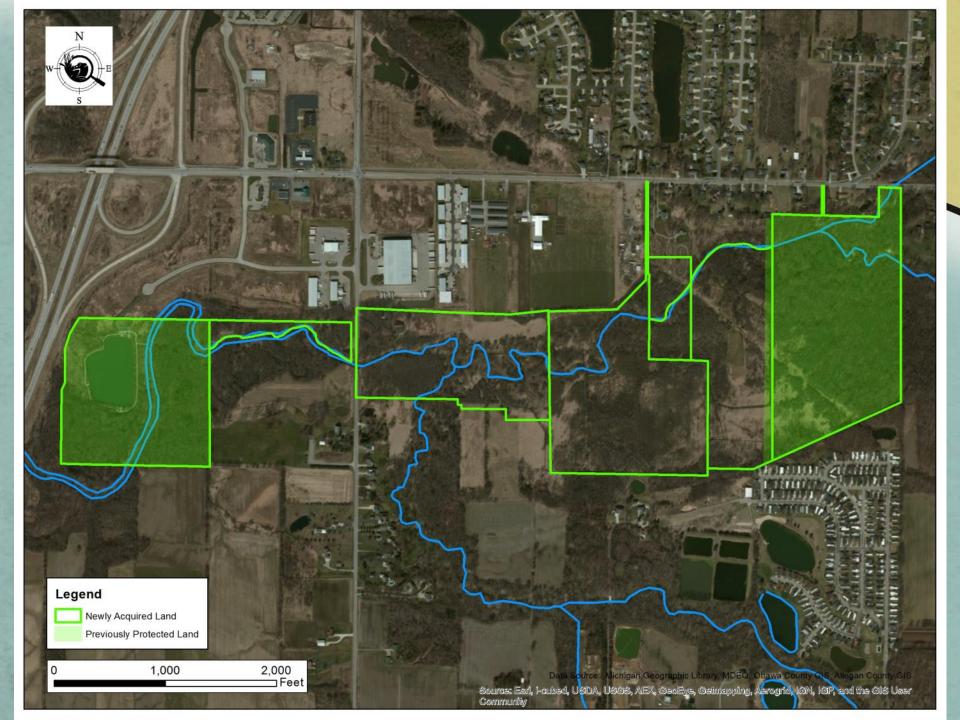


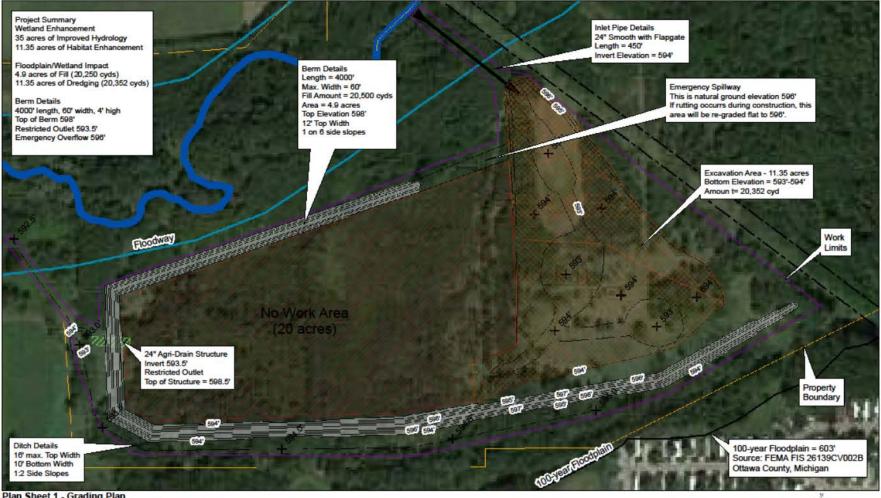












Plan Sheet 1 - Grading Plan

NE 1283-2 Project Clarity, Middle Macatawa (South) Restoration

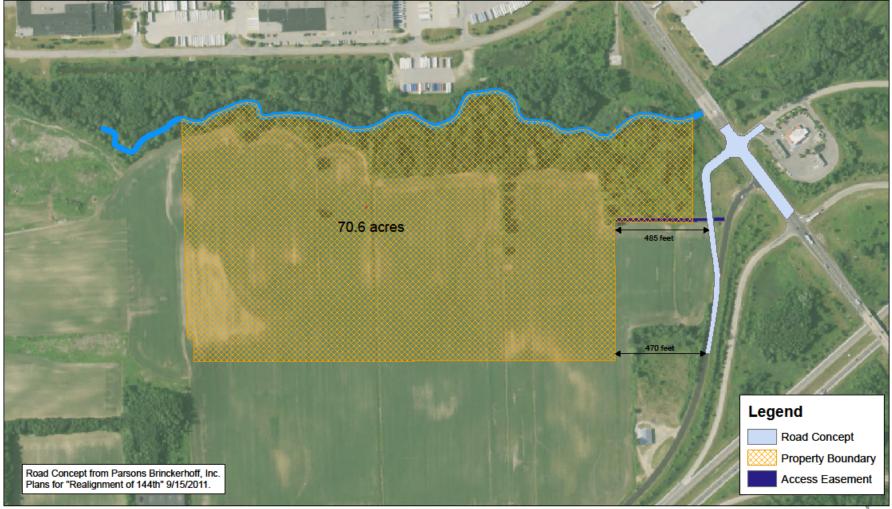
Section 31 of Zeeland Township (T05N, R14W)

Ottawa County, MI Aerial Source/Date: N/A Map Date: February 10, 2014









#### **Proposed Property Boundary and Access Easement**

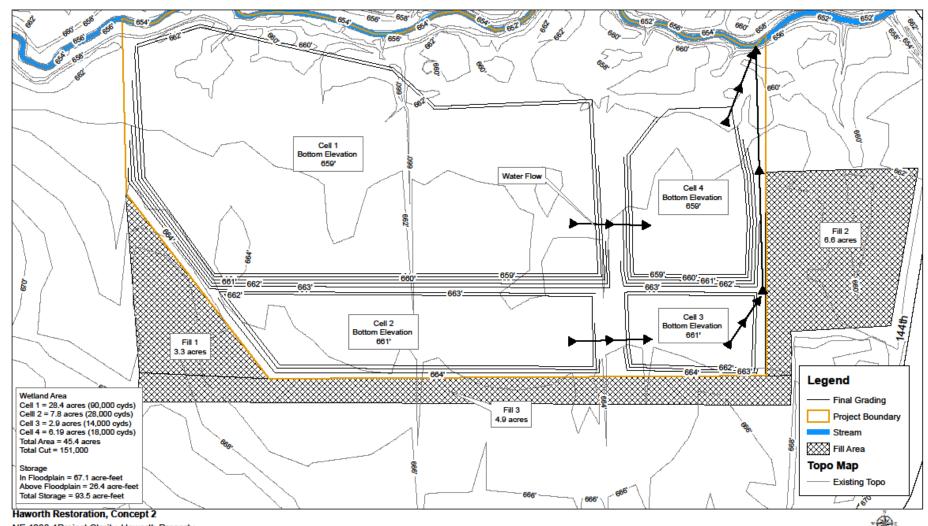
NE 1283-1 Project Clarity, Haworth Restoration Section 9, Town 04N, Range 15W City of Holland, Allegan County, Mi Aerial Date/Source: 2012 MiGDL Map Date: February 18, 2014

0 150 300 600 Feet





9436 Mailley Resul, Brighton, MI 48116 8 0.225.0552 s(five | 810.225.0653 five



NE 1283-1Project Clarity, Haworth Property Section 9, Town 04N, Range 15W City of Holland, Allegan County, Mi Aerial Date/Source: 2012 MiGDL Map Date: January 6, 2013







9406 Malthy Road, Brighton, M.: 48116 810,225,0535 offset | 810,225,0655 fee











### Watershed Information & Education















## Project Clarity Investment

- Value Added Responses

- MDOT
- Drain Offices
- Ordinances
- School Curriculum

### Where We're At...

- Fundraising
  - Over \$8 million committed (~65% of goal)
  - Community Foundation of the Holland/Zeeland Area
  - Michigan West Coast Chamber of Commerce
- Acres of Land Secured
  - Over 350 acres
- Wetland & Stream Restoration Projects
  - Five projects in process for 2014
  - 230 acre feet of water storage (approx. 170 football fields 1' deep)
  - Nearly 1,000' of stream bank stabilization

### Where We're At...

- Best Management Practices
  - Nearly 1 mile of two stage ditch development planned
  - 2015 seven land owners switching to BMP's
  - City & Township Storm Water Ordinance

### • Education

- Water Festival
- River Encounters
- School Programs
- Clarity DVD

### Maintenance Fund

• \$108,000



www.MacatawaClarity.org