

# McHenry County Groundwater Task Force



Hosted by the City of Marengo  
November 9, 2010

A decorative graphic at the top of the slide shows a dynamic splash of water in shades of blue and white, with several bubbles rising from the base of the splash. The water appears to be moving from left to right across the top of the frame.

# Today's Agenda

- **City of Marengo**
  - Jayson Shull
- **Water Resources Action Plan**
  - B2: Land Use and Zoning –
    - Cassandra McKinney
  - B3: Stormwater Management
    - Mark Phipps
- **Miscellaneous Items**
  - UIC Project
    - Moira Zellner

# City of Marengo



Jayson Shull

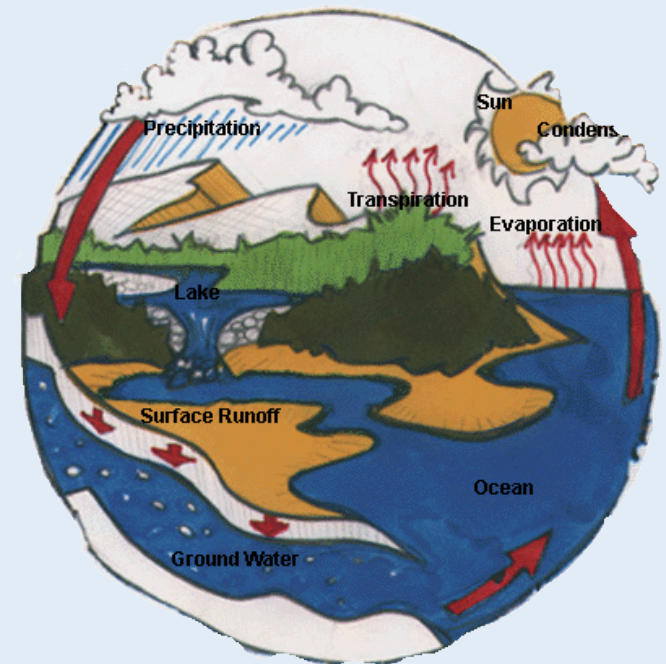
# Water Resources Action Plan

- **Subsection B2: Land Use and Zoning**
  - **Groundwater Withdrawals**
  - **Zoning Regulations**
    - Prohibited Practices
    - Restricted Practices
    - Development
    - Wellhead Protection Areas via Zoning Authority
    - Regulated Recharge Areas (RRA) Designation



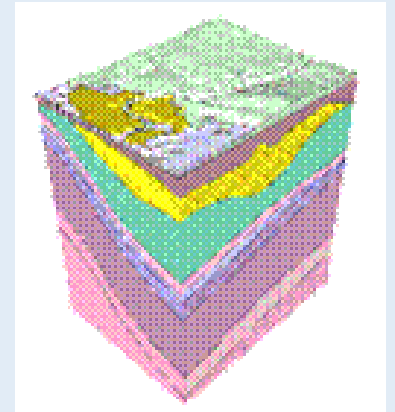
# Water Resources Action Plan

- **Subsection B3: Stormwater Management**
  - Protection of Groundwater Quantity
  - Protection of Groundwater Quality
  - Class V Injection Wells



# Groundwater Research

- **Observation Wells**
  - Near Real Time Data transmission
  - Water Quality Analysis
- **Stream Gauges**
  - Near Real Time Data transmission
- **3-D Hydrogeological Mapping**
- **Groundwater Flow Modeling**



# Observation Wells

Information is now available online:



[http://groundwaterwatch.usgs.gov/countymaps/IL\\_111.html](http://groundwaterwatch.usgs.gov/countymaps/IL_111.html)

# Well Information:

- **Well Site**

- **DESCRIPTION:**

- Latitude 42°16'26", Longitude 88°31'14" NAD83

- Mchenry County, Illinois

- Hydrologic Unit 07090006

- Welldepth: 75.4 feet

- Hole depth: 155 feet

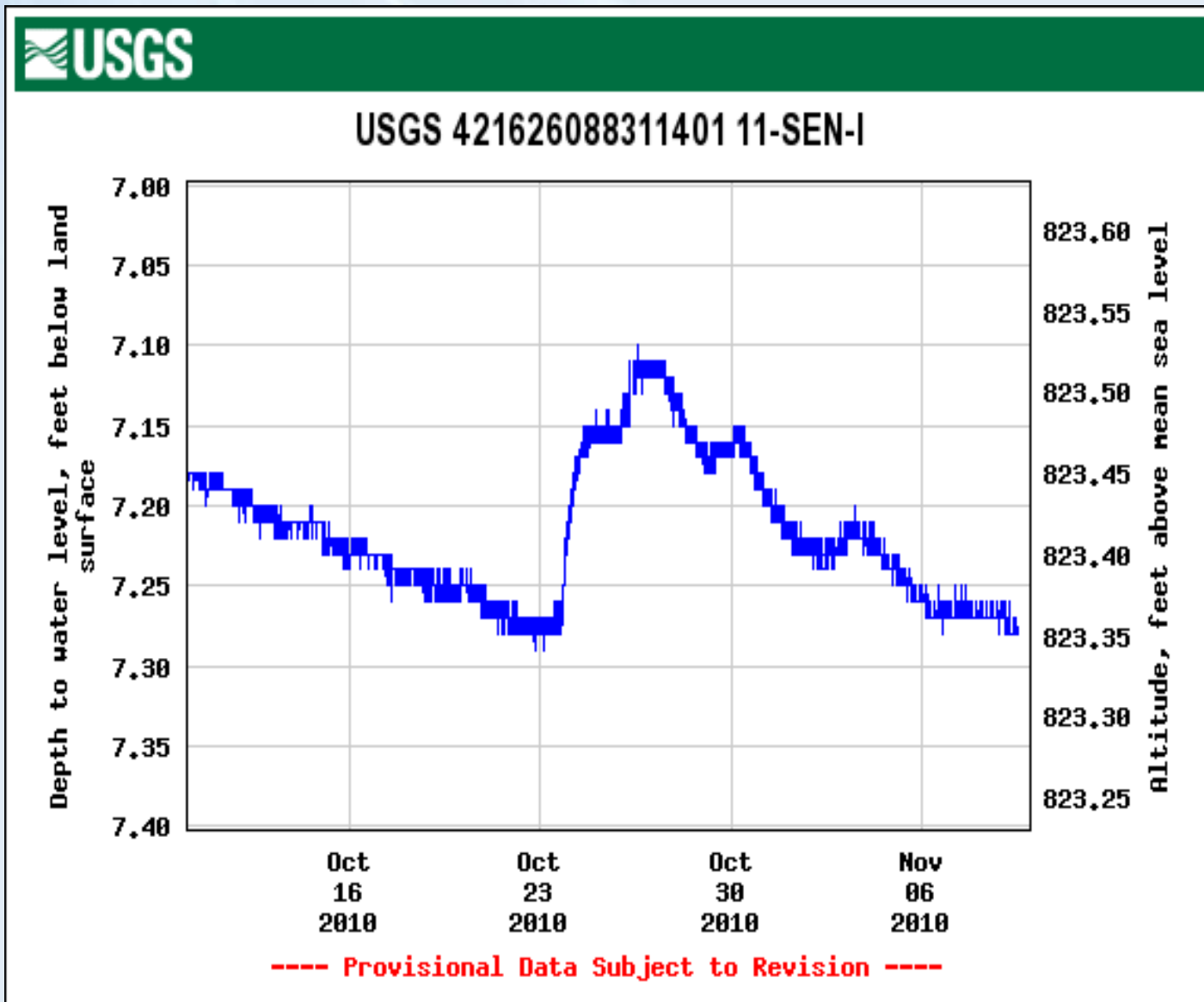
- Land surface altitude: 830.63 feet above sea level NAVD88.

- Well completed in "Sand and gravel aquifers (glaciated regions)" (N100GLCIAL) national aquifer.

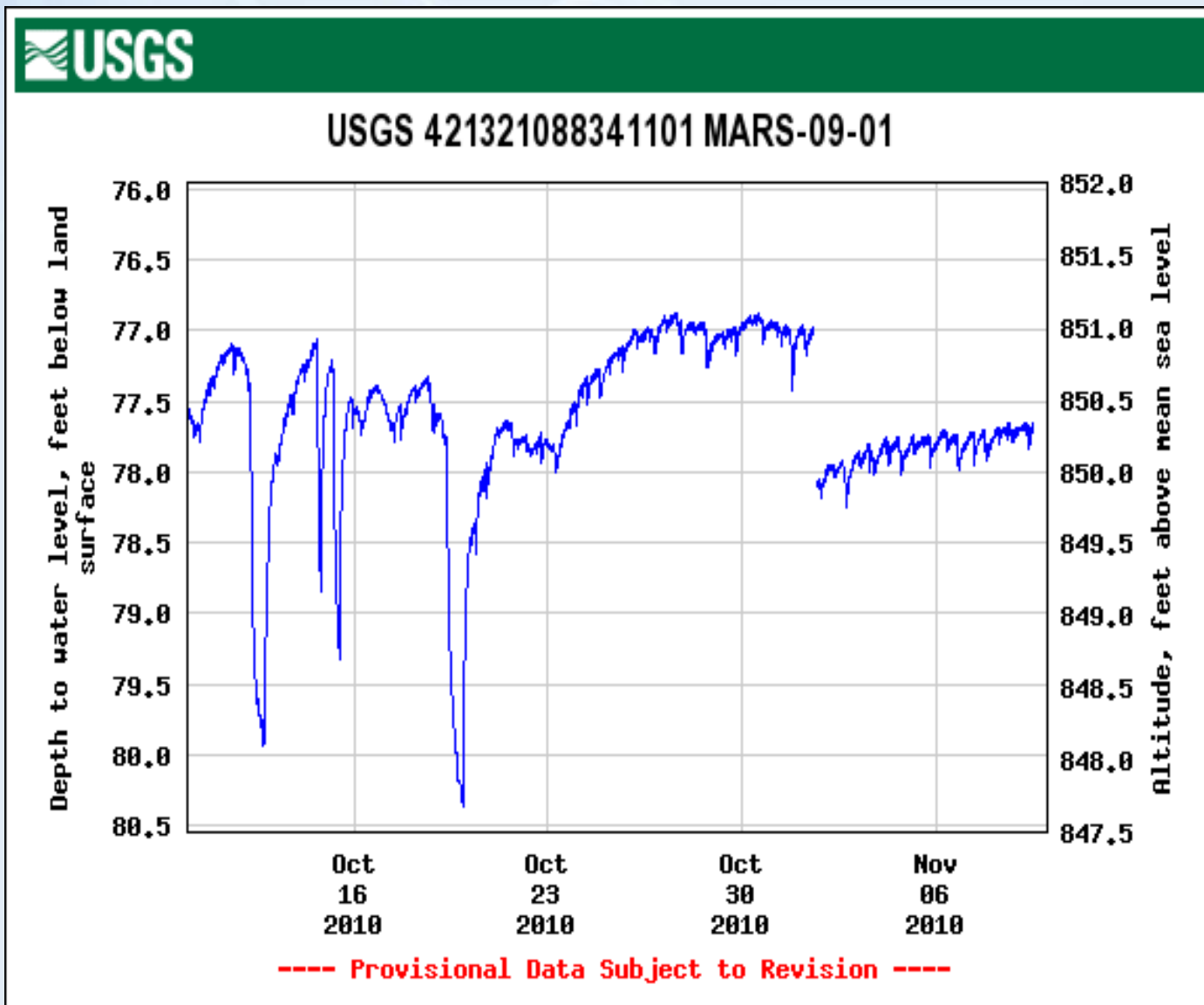
- Well completed in "Quaternary System" (110QRNR) local aquifer



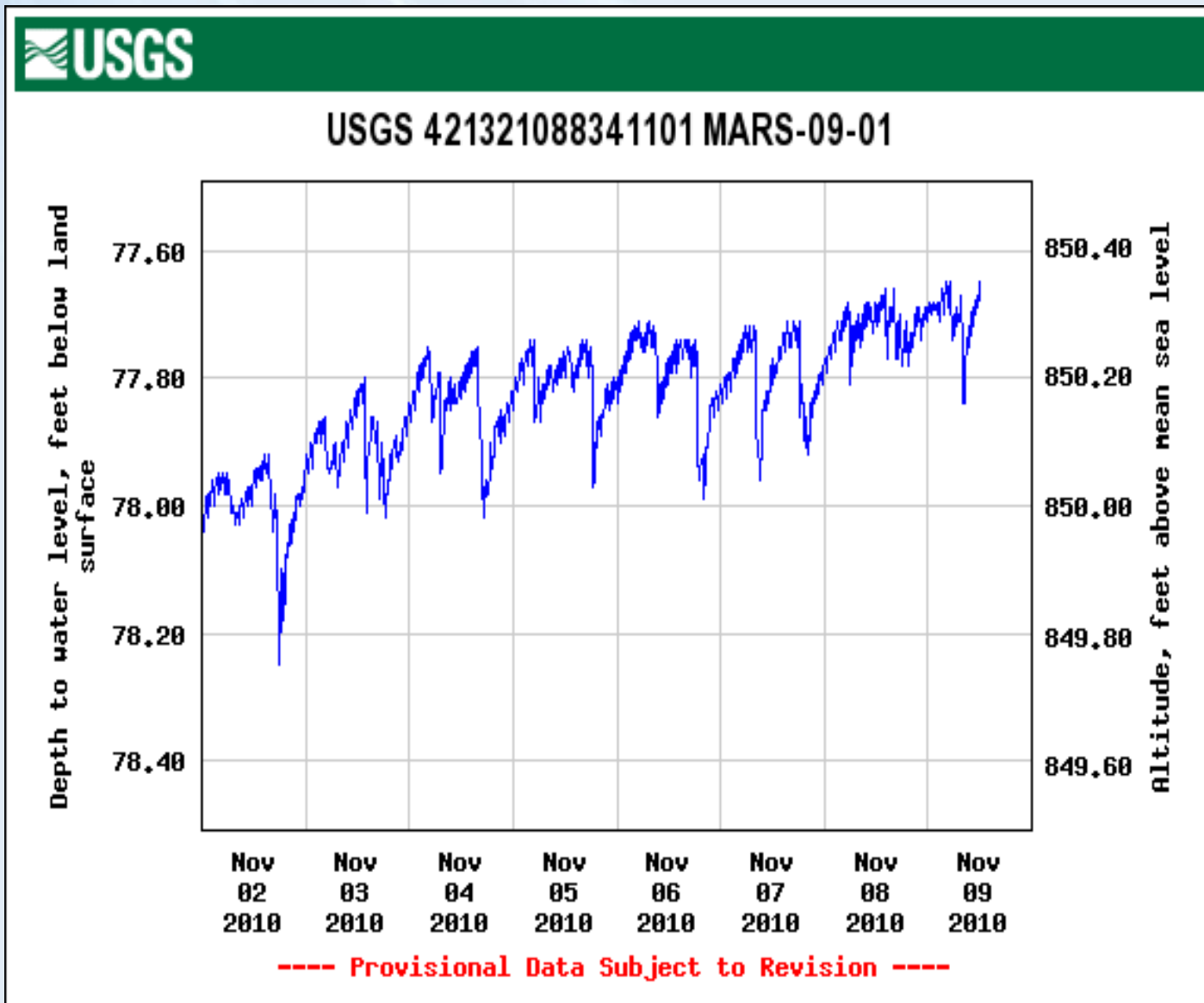
# Seneca Township Well – 30 day view



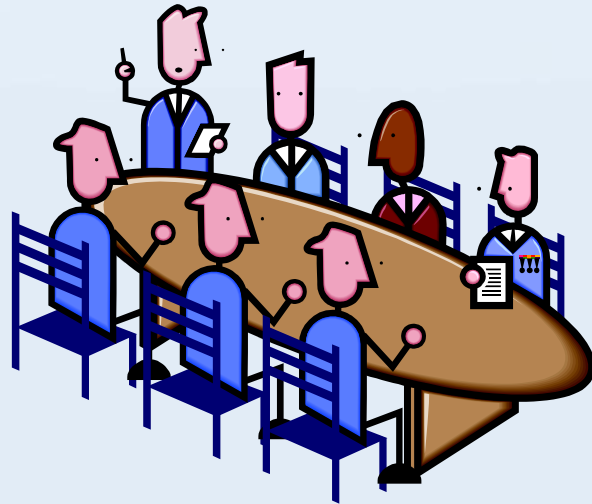
# Coral Township Well – 30 day view



# Coral Township – 7 day view



# UIC Project



Dr. Moira Zellner

# Next Meeting

Tuesday, December 14, 2010

2:00 PM

## Topics:

**Subsection B3:** Stormwater – Focus on NPDES

**Subsection B6:** Winter Snow and Ice

## Location:

County of McHenry – Administration Building

Conference Rooms A and B

