Recent Activity Associated with High Capacity Wells

- **June 2017**: Act 10
- **April 2017**: LPR Study
- **May 2016**: AG Opinion
- **October 2016**: Act 177
Replacement, reconstruction, and transfer of high capacity wells

Model and evaluate hydrology of specified water bodies to determine whether existing and potential groundwater withdrawals are causing significant impacts to water bodies

High capacity wells within the study area must submit metered water use to DNR

Lake associations allowed to obtain a high capacity well to assist in study of lake within study area
Central Sands Lakes Study (CSLS)

Evaluate and model hydrology of Pleasant Lake, Plainfield Lake, Long Lake “to determine whether existing and potential groundwater withdrawals are causing or are likely to cause a significant reduction of the lake's water level below its average seasonal levels”
CSLS Components

- Quantitative & geographic extent of cumulative impacts
- Using field work / field study verify connection and causal relationship between lake level and pumping
- Determine if pumping causing significant reduction of lakes' water level below its average seasonal levels
- Mitigation recommendations to prevent significant reductions below the average seasonal level

Data Collection

GW Modeling, Optimization, Scenarios, & Report

Resource Evaluation for Significance Determination

Field Study

Significant impacts are identified, special measures required? If yes...

Study findings, identify potential special measures, and economic impact analysis

- Public Hearing
- Reports to Legislature
CSLS Deliverables

- **Scope of Work** *(documents, presentation, public comment)*

- **Technical Memos** *(documents, presentation, public comment)*

- **Groundwater Modeling Report**

- **Special Measures Recommendation Report** *(documents, presentation, public comment)*
  Findings, scientific information used to establish GW/SW connection, list & geographical extent of special measures, economic impact analysis

- **Two reports to Legislature**
  Only required if special measures recommended, identifies special measures via statutory changes
CSLS Timeline

- Act 10 effective as of June 3, 2017
- Scope of Work (November 2017)
- Deadline for the DNR to submit deliverables to Legislature is June 3, 2021

FY17 – FY19
- Scope of Work
  - SOW 30-day Public Comment Period
  - Contracts with Partners
- Data Collection
  - Literature Review
  - Monitoring
  - Data Compilation
  - Model Preparation
  - Resource Significance Determination
- Modeling
  - GovDelivery, Teleconferences, Meetings, and Webpage Updates
  - Model Scenarios
  - Field Study

FY19 – FY21
- Study Results
  - Results of Data Collection/Model
  - Special Measures and Economic Impact Analysis (if needed)
- Reports
  - DNR Decision
  - Public Hearing
  - 30-day Public Comment Period
  - Response to comments
  - Report to legislature
Central Sands Lakes Study
Email DNRDGCentralSands@wisconsin.gov
Visit http://dnr.wi.gov and search “High Capacity Wells”