

Data Sources

This page tracks data sources relevant to the project.

Data Categories

Short Term

- USGS nitrate monitoring stations (superstations) in Mississippi River Watershed
 - http://waterdata.usgs.gov/nwis/current?type=qw&PARAMeter_cds=STATION_NM,DATETIME,00630,99124,00631,99133,99137
- NPDES Discharge monitoring reporting loading tool (POTW point sources) (Industrial Point Sources)
 - <http://cfpub.epa.gov/dmr/index.cfm>
- Pre-Sentinel Site Nitrate Trends - USGS Trends in Annual Water-Quality Loads to the Gulf of Mexico through 2018
 - https://nrtwq.usgs.gov/mississippi_loads/#/GULF

Longer Term

- Municipal Water
 - Drinking Water - Currently looking into intake monitoring that will be done by Illinois American Water (Ted, December '15)
- Fertilizer Data
 - You would calculate the total amount by county divided by area, gives you a nitrogen load.
 - You know how much fertilizer is sold in that county. We know the area of the county, and John Chick can get the percentage of the county that is cropland.

"Completed"

- NGRREC
 - Greon Buoys
- USGS Water Quality (superstations)
- UMRR LTRM
- Water Quality Portal
- NOAA

Other

- NOAA National Data Buoy Center (Ted's note: I don't think this is something we need to include on GLTG; however, it may be useful for us to have our data included in their site)

MISC NOTES:

Site Metadata

Categorize Each site?:

- Active / Inactive
- Manual Collection / Continuous Stream (Circle? / Square?)
- Sources

Data Formats and Protocols

Support NOAA National Data Buoy Center protocol and requirements?

Nitrate Data

Nitrate and Nitrite As N mg/L

File	Modified
Microsoft Excel Spreadsheet Great Lakes to Gulf major point sources 2011.xlsx	Jul 31, 2014 by Luigi Marini
Microsoft Excel Spreadsheet Great Lakes To gulf sites.xlsx	Jul 31, 2014 by Luigi Marini

Microsoft Excel Spreadsheet Wastewater treatment facilities 2011.xlsx	Jul 31, 2014 by Luigi Marini
ZIP Archive gltg-sample-data.zip	Jul 31, 2014 by Luigi Marini
Microsoft Excel Spreadsheet GLTG sites- NCSA.xlsx GLTG location data (cleaned by Jong Lee)	Aug 01, 2014 by Jong Lee
ZIP Archive gltg-sites-nad83.zip GLTG sites in ESRI shapefile (NAD83)	Aug 01, 2014 by Jong Lee
ZIP Archive gltg-sites-utm15.zip GLTG sites in ESRI shapefile (UTM 15)	Aug 01, 2014 by Jong Lee
PDF File TIDAS 900 User Manual V3.pdf	Aug 07, 2014 by Michael Brennan
Text File GREON-field-descriptions.txt these are the descriptions of GREON data headers after meeting with Michael and Marcus -	Oct 03, 2014 by Brock Angelo
Microsoft Excel Spreadsheet all data_Nutrients_v1.xlsx	Aug 26, 2015 by Michael Brennan

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