

# Feature (task) List for 1st Phase

This is the document for the feature (task) list for 1st phase (by end of Feb)

1. Providing various grouping of the data ([Brock Angelo](#))
  - a. More Accordion items: Explore by data sources, watershed, river, etc.
    - i. ☒ [GLGVO-90](#) - New Accordion Item: Explore by Watershed (HUC-4) DONE
    - ii. ☒ [GLGVO-91](#) - New Accordion Item: Explore by River Reach DONE
    - iii. ☒ [GLGVO-92](#) - New Accordion Item: Explore by River DONE
    - iv. ☒ [GLGVO-93](#) - New Accordion Item: Explore by Featured Watershed DONE
  - b. ☒ [GLGVO-117](#) - Create HUC-4 and HUC-2 layers in Geoserver DONE
2. Provide the tree hierarchy of search regions under search page ([Brock Angelo](#))
  - a. For example, grouping the pools with regions
3. On Dashboard, displaying information and help for users (including some metadata)
  - a. Detailed review of all pages for "information" icon addition, copy editing, etc.

☒ [GLGVO-132](#) - Please update descriptions for below sources DONE
    - i. ☒ [GLGVO-86](#) - Update app.config.parameters with descriptions for each parameter DONE
  - b. Correcting labeling of UMESC data (by Jeff Hauser)
    - i. ☒ [GLGVO-107](#) - Correct Labeling of UMESC data – Rename to US Army Corps of Engineers LTRMP DONE [Marcus Slavenas](#)
  - c. Correcting label: Fluorescent dissolved organic matter (fine dissolved organic matter) (by John Chick)

☒ [GLGVO-51](#) - Update app.config.parameters to include parameters from the new sensors and hide unwanted parameters DONE
  - d. Labeling of Chlorophyll units (by Jeff Hauser)
  - e. ☒ [GLGVO-84](#) - Provide explanation in Source modal when Parameters in the data are omitted from Geodashboard DONE

Indicating that the data we are showing on Great Lakes to Gulf is just a sample of Data provided by UMESC (by Jeff Hauser) – INFO BOX and About page
  - f. ☒ [GLGVO-41](#) - UI Indicator for Sensors that are offline for the season DONE
  - g. ☒ [GLGVO-103](#) - Detail View: Group Parameter List into Categories DONE Allow the toggling on and off of current conditions
  - h. ☒ [GLGVO-113](#) - Explore View: Sensor Popups for the Water Quality Portal should show Data Owner DONE
  - i. ☒ [GLGVO-85](#) - Explore: Highlight the HUC4 Boundaries on the map when you hover over a HUC4 number DONE
  - j. ☒ [GLGVO-114](#) - Detail View: show a "Sensor Summary" that gives a snapshot of the sensor model, a photo, and recent metadata TO DO
4. Update Geodashboard with new config data ☒ [GLGVO-112](#) - Update the app.config for new values DONE
  - a. ☒ [GLGVO-101](#) - Update app.config.sources for new sources DONE
  - b. ☒ [GLGVO-51](#) - Update app.config.parameters to include parameters from the new sensors and hide unwanted parameters DONE
  - c. ☒ [GLGVO-86](#) - Update app.config.parameters with descriptions for each parameter DONE
5. On About page, displaying information and help for users (including some metadata)
  - a. Lengthy metadata) (by Maura and Dr. Drew)
    - i. ☒ [GLGVO-53](#) - Metadata discussion DONE
    - ii. We could add a link in a info box from Dashboard to about page
    - iii. For UMESC: a URL pointing to their QA/QC document
    - iv. For USGS: maybe a URL to their website
    - v. For GREON: we have nothing, I asked Dick to take on this task (JIRA 54)

☒ [GLGVO-54](#) - GREON Data Quality Control DONE

we probably should set up some meetings to discuss this soon
    - vi. For water quality portal data: serving out all metadata provided
    - vii. QA/QC codes (quality factor codes) will be explained for data sources
    - viii. Integrate about pages into geodashboard framework

☒ [GLGVO-83](#) - Taking Adobe Muse CSS out from about page and partners page DONE ([Marcus Slavenas](#), [Brock Angelo](#))
  - b. Making a tutorial video for site tour ([Isaac Chapman](#))
    - i. ☒ [GLGVO-102](#) - GLTG Virtual Tour DONE
  - c. ☒ [GLGVO-120](#) - Create Glossary Page DONE – Isaac has a draft we are reviewing

- i. ☒ [GLGVO-121](#) - Link terms on About page to the Glossary DONE
- d. Finishing Partner page
- e. ☒ [GLGVO-108](#) - About Page: Update screenshots DONE
- 6. Providing better mapping with more geospatial layers
  - a. These tasks requires some help from a cartographer or a designer
  - b. Providing better backdrop map for providing some context around Mississippi River basin (i.e. state boundary, river names) (by Kristin)
    - i. Trying different tile mapping services
    - ii. Deploying our own OpenStreetMap service and tweaking the cartography of the map
  - c. Adding a layer about wastewater treatment plants
  - d. Adding a land cover layer
  - e. Fixing mismatching of locations of markers and points on sites layer
- 7. Charting ([Christopher Navarro](#))
  - a. ☒ [GLGVO-110](#) - Dynamic binning on graphs DONE
  - b. ☒ [GLGVO-56](#) - Search visualizations always by year DONE
  - c. ☒ [GLGVO-118](#) - Default chart aggregation levels DONE
  - d. ☒ [GLGVO-131](#) - Server side aggregation results should be stored by client DONE
  - e. Aggregation (related to the request from John Chick; hourly data)
    - i. Improving the performance by aggregating the data on server-side
    - ii. Implementing a default aggregation level for each chart in configuration
    - iii. Implementing a smart way to changing aggregation level depending on the temporal range
  - f. Utilizing Stream on client side
    - i. A better way to define the derived the data (i.e. cumulative load) and handle the metadata (shown in infobox of a chart)
- 8. Data Sources ([Marcus Slavenas](#))
  - a. Water quality portal data
    - ☒ [GLGVO-109](#) - Group water quality portal sites together as one data source. Create a new category identifying the data owner DONE
  - b. National buoy data on both GLTG and Great Lake monitoring ☒ [GLGVO-123](#) - Parse Nation buoy data on GLTG DONE
    - ☒ [GLGVO-125](#) - Parse National buoy data to Great Lakes Monitoring DONE
  - c. Re-ingest UMESC data with the QA/QC data ☒ [GLGVO-122](#) - Re-ingest UMESC data with the QA/QC data DONE
  - d. Quality factor code (QA/QC code) should be included in the downloaded data (for USGS and for UMESC)
  - e. Remove 2014 GREON Data ☒ [GLGVO-116](#) - Remove 2014 GREON data DONE
  - f. Post all data updates to gltg.ncsa.illinois.edu ☒ [GLGVO-126](#) - Post all data updates to gltg.ncsa.illinois.edu DONE
- 9. GREON data download
  - a. Ted, John and Michael will generate the requirement document
  - b. NCSA will review the doc and recommend the possible implementation before the end of Feb, 2015
- 10. Landing page
  - a. ☒ [GLGVO-111](#) - Create a landing page like Great Lakes Monitoring DONE