DESIGN: Ohio Watershed Map

This design is for a wordpress page that will display a map of all the USGS data for Ohio.

Their will be two icon colors. One will be used to highlight stations going the Great Lakes Watershed (HU4) and a second will be used to highlight stations going to the Ohio River Watershed.

Other characteristics of the ICON will be used to indicated the amount of flow. (Keyed on the percentile).

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| Ohio Watershed Map | This is a Wordpress page that displays a list of all the stations in Ohio with a color highlighting which watershed it applies to. |
| **getOhioUSGS** | **This is routine to fetch the data every 15 minutes for USGS and push it into the database.** |
| **returnOhioUSGS** | **This is a flow on the mirror1 system that returns all the USGS station data for Ohio.**  **http://ptap.gldw.org/vdab/get\_OhioUSGS** |
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## Completion Points

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| Points | Criteria for earning points. |
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## STEPS

1. Create a map word press page using the existing maps as a boilerplate. (Use similar naming. Ohio Watersheds Map)
2. Create a custom entry point in mapsupport.js (Use similar naming. *ohioUSGSMap*)
   1. Initially buildIcon\_default and buildContent\_USGS.

YOU CAN DO ONE AND TWO ON SANDBOX AND MAKE THE ENTRY POINT IDENTICAL TO THE *greatlakesMap*. **BUT POINT TO MIRROR1 for Data**

1. **TOGETHER - Create a flow that returns all Ohio USGS Data (only on Mirror1 for now). (returnOhioUSGS – Like returnGreatLakes flow on the GLDWPtap conaine**)
2. TOGETHER - Create a flow that logs all USGS data. (getOhioUSGS – Like getUSGSData flow found on USGSInput container)

## Icon Appearance

The Icons should have a different color for HU4 and HU5

The Icons should have a different appearance based on percentile

Make the 20x20 centered at 10x10

public static final double VERYHIGH = 97.0D;

var iconName;

if (HUCode.startWith(“04”){

if (percentile >= VERYHIGH)

// Use very high icon

iconName = “ huA\_veryhighpcnt.png”

else if (percentile >= HIGH)

// Use high icon

Do comparison based on a defined level

|  |  |  |
| --- | --- | --- |
| HU | Percentile | Icon name (png) |
| 4 | 97-100 | huA\_veryhighpcnt.png |
| 4 | 92-97 | huA\_highpcnt.png |
| 4 | 90-92 | huA\_mediumhighpcnt.png |
| 4 | 50-90 | huA\_mediumpcnt.png |
| 4 | 0-50 | huA\_lowpcnt.png |
| 5 | 97-100 | huB\_veryhighpcnt.png |
| 5 | 92-97 | huB\_highpcnt.png |
| 5 | 90-92 | huB\_mediumhighpcnt.png |
| 5 | 50-90 | huB\_mediumpcnt.png |
| 5 | 0-50 | huB\_lowpcnt.png |