DESIGN: Buoy Data Map

This design is for a wordpress page that will display a map of all buoy data that is very similar to the existing FUSION map

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| --- | --- |
| Buoy Map Page | This is a Wordpress page that displays a list of all the buoys in a google map.  (This can be modeled after the alert page. |
| returnBuoyData | This is a flow on the ptap system that returns all the buoy data in JSON format.  THIS IS DONE.  **http://ptap.gldw.org/vdab/get\_BuoyData** |

## Buoy Map Page Requirements

The Alert Widget is an installable Wordpress widget that can display a list of VDAB alerts. It should be packaged so it can be added as an independent plugin.

* The page should go to a specific URL to retrieve the BuoyData.

## Completion Points

|  |  |
| --- | --- |
| Points | Criteria for earning points. |
| ~~2~~ | ~~Complete a page prototype on Sandbox (Use any icon for the prototype. Use the ptap URL)~~ |
| 3 | Complete a refined page after correcting review items |
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## Issues for refinement.

1. ~~The main code in this should be in its own javascript file. Easier to edit.~~
2. We can load the code for each page. Avoid backward reference from calling page.
3. Need to decide what can be reused on other maps.
4. ~~Get a different ICON working.~~

## Display in Popup

"BuoyInfo": "Lakewood Buoy by Limno Tech",

"WindDirection": "290.0",

"WindSpeed": "6.0",

"GustSpeed": "8.0",

"WaveHeight": "0.7",

"DominantWavePeriod": "4.0",

"MedianWaveDirection": "315.0",

"AirTemperature": "22.3",

"WaterTemperature": "22.9",

~~"EventTimestamp": "1567001400000",~~

"EventTime": "08-28-2019 10:10:00",

~~"Container": "NDBCInput",~~

"Path": "NDBC\_45169",

~~"Label": "NDBCData",~~

"Latitude": "41.615",

"Longitude": "-81.821"

## Buoy Data returned by get\_BuoyData.

The following is a sample of the JSON data that is returned from get\_BuoyData VDAB flow:

{

"Group": {

"NDBCData": {

"BuoyInfo": "Lakewood Buoy by Limno Tech",

"WindDirection": "310.0",

"WindSpeed": "6.0",

"GustSpeed": "9.0",

"WaveHeight": "0.7",

"DominantWavePeriod": "4.0",

"MedianWaveDirection": "322.0",

"AirTemperature": "22.4",

"WaterTemperature": "22.9",

"EventTimestamp": "1566999000000",

"EventTime": "08-28-2019 09:30:00",

"Container": "NDBCInput",

"Path": "NDBC\_45169",

"Label": "NDBCData",

"Latitude": "41.615",

"Longitude": "-81.821"

},

"NDBCData": {

"BuoyInfo": "Cleveland Intake Crib Buoy by Limno Tech",

"WindDirection": "30.0",

"WindSpeed": "7.0",

"GustSpeed": "9.0",

"WaveHeight": "0.6",

"DominantWavePeriod": "4.0",

"MedianWaveDirection": "309.0",

"AirTemperature": "21.3",

"WaterTemperature": "22.8",

"EventTimestamp": "1566999000000",

"EventTime": "08-28-2019 09:30:00",

"Container": "NDBCInput",

"Path": "NDBC\_45176",

"Label": "NDBCData",

"Latitude": "41.55",

"Longitude": "-81.765"

},

"NDBCData": {

"BuoyInfo": "Toledo Crib by Limno Tech",

"WindDirection": "250.0",

"WindSpeed": "6.7",

"GustSpeed": "7.7",

"WaterTemperature": "22.7",

"EventTimestamp": "1566999000000",

"EventTime": "08-28-2019 09:30:00",

"Container": "NDBCInput",

"Path": "NDBC\_TWCO1",

"Label": "NDBCData",

"Latitude": "41.699",

"Longitude": "-83.259"

},

"NDBCData": {

"BuoyInfo": "West Erie by NDBC",

"WindDirection": "240.0",

"WindSpeed": "7.0",

"GustSpeed": "8.0",

"WaveHeight": "0.4",

"DominantWavePeriod": "3.0",

"AverageWavePeriod": "2.9",

"MedianWaveDirection": "275.0",

"AtmosphericPressure": "1012.7",

"AirTemperature": "20.8",

"DewPoint": "17.5",

"PressureTendency": "1.6",

"EventTimestamp": "1566998400000",

"EventTime": "08-28-2019 09:20:00",

"Container": "NDBCInput",

"Path": "NDBC\_45005",

"Label": "NDBCData",

"Latitude": "41.677",

"Longitude": "-82.398"

},

"NDBCData": {

"BuoyInfo": "Dunkirk Station by NDBC",

"WindDirection": "240.0",

"WindSpeed": "5.7",

"GustSpeed": "6.7",

"AtmosphericPressure": "1010.6",

"AirTemperature": "21.9",

"PressureTendency": "0.8",

"EventTimestamp": "1566997200000",

"EventTime": "08-28-2019 09:00:00",

"Container": "NDBCInput",

"Path": "NDBC\_DBLN6",

"Label": "NDBCData",

"Latitude": "42.494",

"Longitude": "-79.354"

},

"NDBCData": {

"BuoyInfo": "Cleveland Buoy by Limno Tech",

"WaveHeight": "0.6",

"DominantWavePeriod": "4.0",

"WaterTemperature": "22.7",

"EventTimestamp": "1566997200000",

"EventTime": "08-28-2019 09:00:00",

"Container": "NDBCInput",

"Path": "NDBC\_45164",

"Label": "NDBCData",

"Latitude": "41.732",

"Longitude": "-81.694"

},

"NDBCData": {

"BuoyInfo": "Small Bass Island by NDBC",

"WindDirection": "260.0",

"WindSpeed": "7.7",

"GustSpeed": "8.8",

"AtmosphericPressure": "1012.4",

"AirTemperature": "20.0",

"PressureTendency": "1.3",

"EventTimestamp": "1566997200000",

"EventTime": "08-28-2019 09:00:00",

"Container": "NDBCInput",

"Path": "NDBC\_SBIO1",

"Label": "NDBCData",

"Latitude": "41.629",

"Longitude": "-82.8409999"

},

"NDBCData": {

"BuoyInfo": "Huron Harbor Light by NWSER",

"WindDirection": "250.0",

"WindSpeed": "4.1",

"GustSpeed": "6.2",

"AtmosphericPressure": "1011.9",

"AirTemperature": "20.0",

"PressureTendency": "1.4",

"EventTimestamp": "1566997200000",

"EventTime": "08-28-2019 09:00:00",

"Container": "NDBCInput",

"Path": "NDBC\_HHLO1",

"Label": "NDBCData",

"Latitude": "41.401",

"Longitude": "-82.545"

},

"NDBCData": {

"BuoyInfo": "Port Stanley by ECC Canada",

"WindDirection": "300.0",

"WindSpeed": "6.0",

"GustSpeed": "8.0",

"WaveHeight": "0.4",

"DominantWavePeriod": "3.0",

"AtmosphericPressure": "1010.8",

"AirTemperature": "21.0",

"WaterTemperature": "22.6",

"PressureTendency": "1.2",

"EventTimestamp": "1566997200000",

"EventTime": "08-28-2019 09:00:00",

"Container": "NDBCInput",

"Path": "NDBC\_45132",

"Label": "NDBCData",

"Latitude": "42.46",

"Longitude": "-81.22"

},

"NDBCData": {

"BuoyInfo": "Toledo Station by NOAA",

"WindDirection": "250.0",

"WindSpeed": "2.1",

"GustSpeed": "4.1",

"AtmosphericPressure": "1012.9",

"AirTemperature": "20.3",

"DewPoint": "14.0",

"PressureTendency": "1.1",

"EventTimestamp": "1566997200000",

"EventTime": "08-28-2019 09:00:00",

"Container": "NDBCInput",

"Path": "NDBC\_THRO1",

"Label": "NDBCData",

"Latitude": "41.694",

"Longitude": "-83.473"

},

"NDBCData": {

"BuoyInfo": "Erie Station by NOAA",

"WindDirection": "220.0",

"WindSpeed": "1.5",

"GustSpeed": "4.6",

"EventTimestamp": "1566997200000",

"EventTime": "08-28-2019 09:00:00",

"Container": "NDBCInput",

"Path": "NDBC\_EREP1",

"Label": "NDBCData",

"Latitude": "42.172",

"Longitude": "-80.098"

},

"NDBCData": {

"BuoyInfo": "Buffalo Station by NOAA",

"WindDirection": "240.0",

"WindSpeed": "2.6",

"GustSpeed": "3.1",

"AtmosphericPressure": "1010.7",

"AirTemperature": "22.2",

"WaterTemperature": "23.3",

"DewPoint": "15.8",

"PressureTendency": "0.9",

"EventTimestamp": "1566997200000",

"EventTime": "08-28-2019 09:00:00",

"Container": "NDBCInput",

"Path": "NDBC\_BUFN6",

"Label": "NDBCData",

"Latitude": "42.878",

"Longitude": "-78.89"

},

"NDBCData": {

"BuoyInfo": "Sturgeon Point Station by NOAA",

"AtmosphericPressure": "1010.3",

"AirTemperature": "22.7",

"PressureTendency": "1.0",

"EventTimestamp": "1566997200000",

"EventTime": "08-28-2019 09:00:00",

"Container": "NDBCInput",

"Path": "NDBC\_PSTN6",

"Label": "NDBCData",

"Latitude": "42.691",

"Longitude": "-79.048"

},

"NDBCData": {

"BuoyInfo": "Fairport Station by NOAA",

"WindDirection": "290.0",

"WindSpeed": "6.2",

"GustSpeed": "6.7",

"AtmosphericPressure": "1011.8",

"AirTemperature": "22.5",

"WaterTemperature": "21.7",

"DewPoint": "18.4",

"PressureTendency": "1.1",

"EventTimestamp": "1566997200000",

"EventTime": "08-28-2019 09:00:00",

"Container": "NDBCInput",

"Path": "NDBC\_FAIO1",

"Label": "NDBCData",

"Latitude": "41.764",

"Longitude": "-81.281"

},

"NDBCData": {

"BuoyInfo": "Port Colborne by ECC Canada",

"WindDirection": "250.0",

"WindSpeed": "4.0",

"GustSpeed": "5.0",

"WaveHeight": "0.5",

"DominantWavePeriod": "4.0",

"AtmosphericPressure": "1010.0",

"AirTemperature": "22.5",

"WaterTemperature": "22.8",

"PressureTendency": "0.6",

"EventTimestamp": "1566997200000",

"EventTime": "08-28-2019 09:00:00",

"Container": "NDBCInput",

"Path": "NDBC\_45142",

"Label": "NDBCData",

"Latitude": "42.74",

"Longitude": "-79.29"

},

"NDBCData": {

"BuoyInfo": "Marblehead by NOAA",

"WindDirection": "250.0",

"WindSpeed": "2.6",

"GustSpeed": "4.1",

"AtmosphericPressure": "1012.5",

"AirTemperature": "20.0",

"WaterTemperature": "22.7",

"DewPoint": "15.2",

"PressureTendency": "1.3",

"EventTimestamp": "1566997200000",

"EventTime": "08-28-2019 09:00:00",

"Container": "NDBCInput",

"Path": "NDBC\_MRHO1",

"Label": "NDBCData",

"Latitude": "41.5439999",

"Longitude": "-82.731"

},

"NDBCData": {

"BuoyInfo": "Lorain Harbor by NWSER",

"WindDirection": "260.0",

"WindSpeed": "8.2",

"GustSpeed": "8.8",

"AirTemperature": "21.1",

"EventTimestamp": "1566996600000",

"EventTime": "08-28-2019 08:50:00",

"Container": "NDBCInput",

"Path": "NDBC\_LORO1",

"Label": "NDBCData",

"Latitude": "41.481",

"Longitude": "-82.1949999"

},

"NDBCData": {

"BuoyInfo": "Old Woman Creek Reserve by NERRS",

"WindDirection": "210.0",

"WindSpeed": "1.0",

"AtmosphericPressure": "1013.0",

"AirTemperature": "19.5",

"DewPoint": "16.0",

"EventTimestamp": "1566996300000",

"EventTime": "08-28-2019 08:45:00",

"Container": "NDBCInput",

"Path": "NDBC\_OWXO1",

"Label": "NDBCData",

"Latitude": "41.378",

"Longitude": "-82.508"

},

"NDBCData": {

"BuoyInfo": "Toledo Lighthouse 2 by GLERL",

"WindDirection": "240.0",

"WindSpeed": "8.2",

"GustSpeed": "8.8",

"AirTemperature": "20.6",

"EventTimestamp": "1566996000000",

"EventTime": "08-28-2019 08:40:00",

"Container": "NDBCInput",

"Path": "NDBC\_THLO1",

"Label": "NDBCData",

"Latitude": "41.826",

"Longitude": "-83.194"

}

}

}