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"

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"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"

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"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"

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"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"

}

}

}