# General

**21-6-24:**

ARCGIS - June month, then update site.

Right panel try it as collapsible panel.

**31-7-2024:**

Create Master document for GIS.

* Chapter for each layer
* Chapter has section in all different aspect
  + Data source
    - Data derivable, proper data structure with example and tables
  + Filter Priority
  + Assumption
  + Each button functionality
  + Used script / procedure details
  + Filter in details – why and which filed is used for filtering like: why BSEE field is used for filtering platform name?

# Historic Hurricanes

**We need other data (cone / ww) for Gulf of Mexico (North Atlantic Ocean/ North Pacific Ocean - Atlantic storms) only.**

## Track

* Total 176 years
* Total 1862 unique hurricane name
* Year and Name filter are dependant.
  + If we select year, then name of selected year should be populated
  + Only update name list when no name selected so need to update name list based on selected year when we clear filter on name
  + Same for year list.
  + Example1:
    - Year = 2021 -> 87 names and select one of name in name filter
    - Now also select Year = 2020 – here name filter list will not be updated as it has filter
    - Now clear name filter so name filter list has total= 185 (2020 and 2021 ‘s unique name list)
  + Example2:
    - Name = IDA -> total 18 years in year list
    - Also select MARCO – so year list will be updated and have 22 years in year list
    - Now clear name filter – so year list will be updated to full list(176 years)

## Cones

**31-7-2024:**

Need to put on hold for cones for 2023 and 2024 because we have track from 1842-2022 from URL : https://services2.arcgis.com/FiaPA4ga0iQKduv3/arcgis/rest/services/IBTrACS\_ALL\_list\_v04r00\_lines\_1/FeatureServer

for 2023: we can download the files from https://www.nhc.noaa.gov/gis/archive\_forecast.php?year=2023

for 2024: we can download the files from https://www.nhc.noaa.gov/gis/archive\_forecast.php?year=2024 or we can get data direct from recent hurricane URL : <https://services9.arcgis.com/RHVPKKiFTONKtxq3/arcgis/rest/services/Recent_Hurricanes_v1/FeatureServer>

Need more discussion and data understanding for this.

Suggestion:

1. We can have different section for Most Recent Hurricane
   1. Current year
   2. Prev Year

## WW

**31-7-2024:**

Keep on hold. We can use it later. We are manually downloading data from WW from <https://www.nhc.noaa.gov/gis/archive_forecast.php>

For each hurricane.

# Forecast Hurricane

URL used for living atlas. Create group layer for all available option. It should allow to show/hide layer individually and all together.

# Pipeline:

**31-7-2024:**

Need all unique field in popup:

1. Originating Id Name
2. Originating Area Code
3. Originating Block Number
4. Originating Lease Number
5. Segment Number
6. Receiving Id Name
7. Receiving Area Code
8. Receiving Block Number
9. Receiving Lease Number
10. Approved Date
11. Install Date
12. Status Code
13. Pipeline Size Code
14. ROW Number
15. Production Code
16. Operator
17. Max Water Depth (feet)
18. Max Allowable Operating Pressure
19. Segment Length
20. Authority
21. Bidirectional
22. Out of Service Date
23. Abandonment Approval Date
24. Abandonment Date

Need export data feature like platform layer

# Platform Layer

**13-6-2024:**

We can have platform picture in popup. Link to navigate to site.

**19-6-2024:**

Save filtered result set (locally) with properties available in below image.

User can select result set from list.

A screenshot of a computer

Description automatically generated

**31-7-2024:**

Need to exclude platform having latitude / longitude <= 0 : Done(08/05/2024 – AC)