

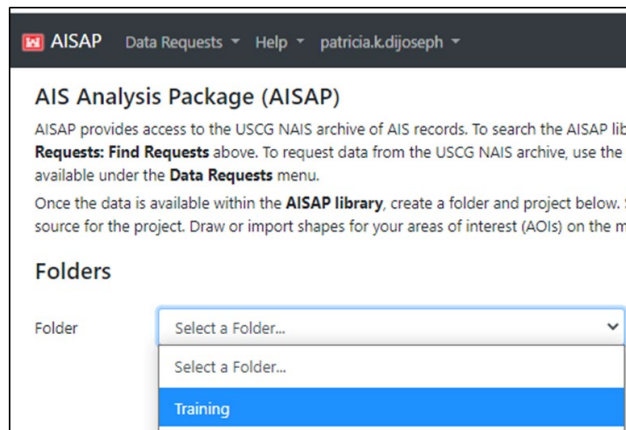
Before Starting: • You need an AISAP account with a username and password.

• You need to complete Exercise 1 and Exercise 2.

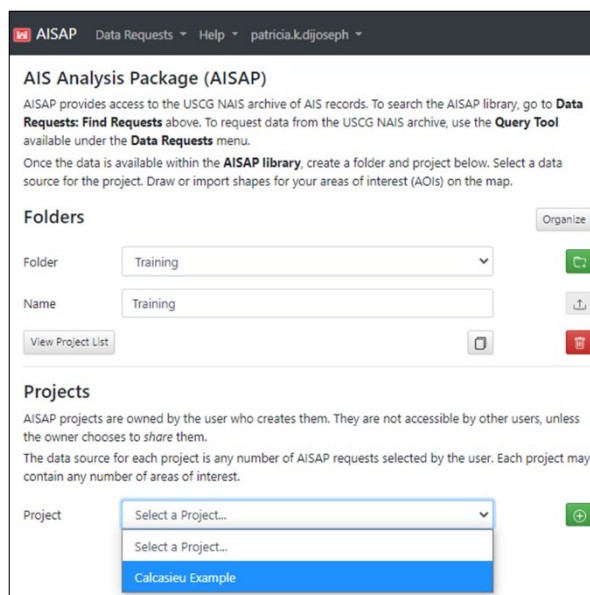
Exercise Goal: Learn how to set areas of interest (AOIs), or geospatial filters, and additional filters in your AISAP project.

Creates Areas of Interest and Set Additional Data Filters for your AISAP Project

1. Log in to AISAP-Cloud https://aisap.usacegis.us/aisap_portal/home.html
2. Choose the **Folder** “Training” from the **Folder** dropdown menu that you created in Exercise 1.

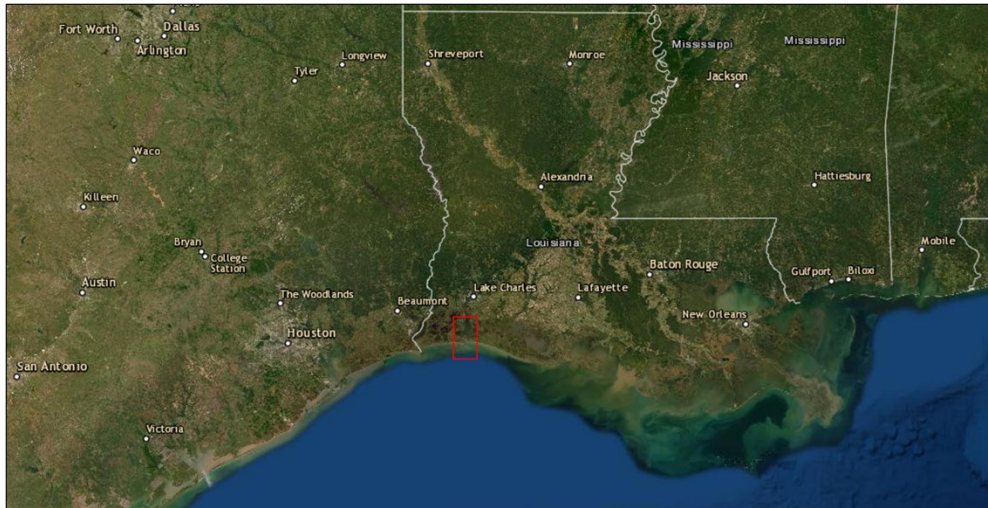


3. Choose the **Project** “Calcasieu Example” from the **Project** dropdown menu that you created in Exercise 1.

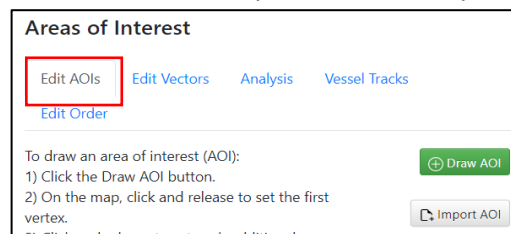


So You Think You Got A Shoal: AISAP – Exercise 3 – Create Areas of Interest and Add'l Data Filters

- Zoom in on Calcasieu on your AISAP map. (For those unfamiliar, it is on Gulf Coast toward the western border of Louisiana)



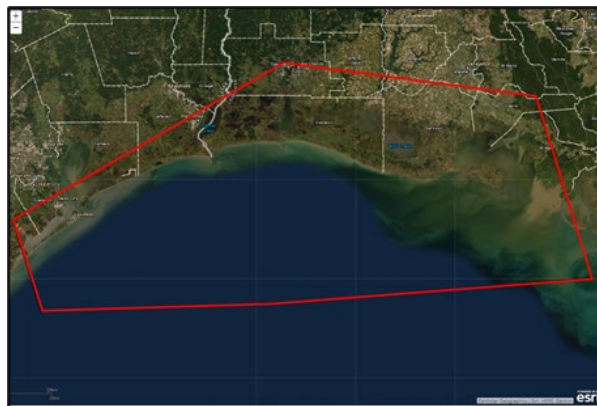
- Scroll down to the **Areas of Interest** section on your screen. There are five tabs in it: Edit AOIs, Edit Vectors, Analysis, Vessel Tracks, and Edit Order. Select the **Edit AOIs** tab, if you're not already in it.



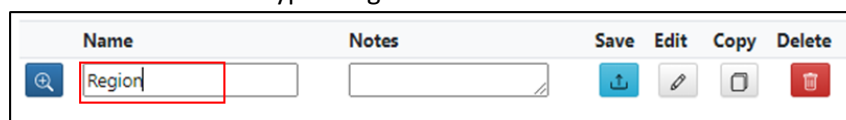
- Click on the green **Draw AOI** button



- Draw a large AOI around the Gulf area from Texas to Louisiana by pointing and clicking on the map to set the vertices of your polygon. Double-click to close your polygon. It does not have to be a square and doesn't have to be "perfect".



- To name this AOI, Click in the **Name** field and type "Region".

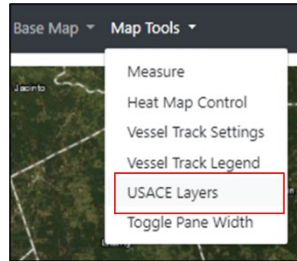


So You Think You Got A Shoal: AISAP – Exercise 3 – Create Areas of Interest and Add'l Data Filters

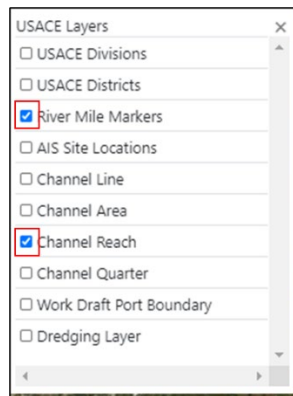
9. Save your AOI name by clicking the blue **SAVE** icon that is located to the right of the AOI name.



10. At the top of the screen, go to the **Map Tools** drop down menu at the top of the screen and select **USACE Layers**.



11. A USACE Layers popup box will open. Check the boxes next to **River Mile Markers** and **Channel Reach**.



12. Click on the “X” at the top of the Popup box to close the USACE layers.



13. Click on the green **Draw AOI** button.



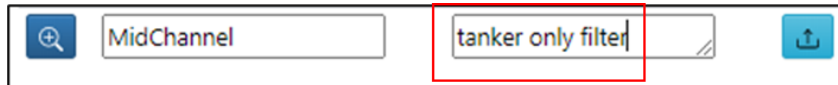
14. Draw an AOI around the Calcasieu River miles -10 to -20 (hint: you can click on a river mile “diamond” to see the mile number) that is wider than the channel. Draw the AOI by pointing and clicking on the map to set the vertices of your polygon. Double-click to close your polygon.



15. To name this AOI, Click in the **Name** field and type “MidChannel”.

	Name	Notes	Save
	Region		
	MidChannel		

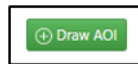
16. Next, in the Notes field type “tanker only filter”. (We will filter for tankers a few steps down.)



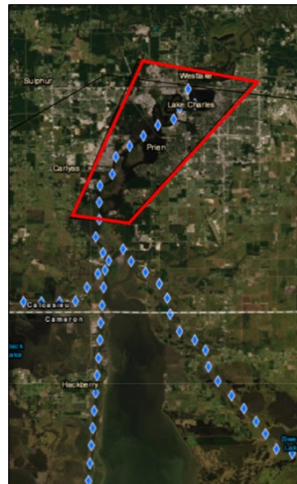
17. Save your AOI name and notes by clicking the blue **SAVE** icon that is located to the right of the AOI name.



18. Click on the green **Draw AOI** button



19. Draw an AOI around the upstream section of the Calcasieu River miles 25 to that is wider than the channel. Draw the AOI by pointing and clicking on the map to set the vertices of your polygon. Double-click to close your polygon.



20. To name this AOI, Click in the **Name** field and type “UpperSection”.

	Name	Notes	Save
	Region		
	MidChannel	tanker only filter	
	UpperSection		

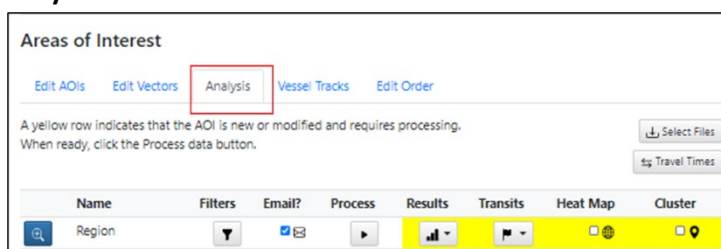
21. Next, in the Notes field type “tanker only filter”. (We will filter for tankers a few steps down.)



22. Save your AOI name and notes by clicking the blue **SAVE** icon that is located to the right of the AOI name.



23. Next, click on the **Analysis** tab.



24. Click on the Filters button in the “MidChannel” AOI row.

A “Set Filters for Region” popup box will appear.



25. Go to its **Filters** tab.

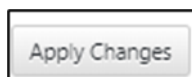
A screenshot of the 'Set Filters for MidChannel' dialog box. The 'Filters' tab is selected and highlighted with a red box. The dialog contains several filter settings, each with a checkbox and a value field: Minimum Draft (5 feet), Maximum Draft (25 feet), Minimum Beam (5 feet), Maximum Beam (25 feet), Minimum Length (5 feet), Maximum Length (25 feet), and Specific Direction (Inbound). At the bottom are 'Apply Changes' and 'Cancel' buttons.

26. Scroll all the way down to the **Vessel Types** section.

27. Select **Tanker**.

A screenshot of the 'Vessel Types' section within the filter dialog. A list of vessel types is shown, including 'Pleasure Craft', 'Port Tender', 'Reserved (Future Use)', 'Reserved (Local Use)', 'Reserved (Regional Use)', 'Sailing', 'Tanker', 'Towing', 'Tug', and 'WIG'. The 'Tanker' option is highlighted with a blue background and a red rectangular box.

28. Click on the **Apply Changes** button.



29. **Repeat Steps 24-28** for the “UpperSection” AOI to also filter it for Tanker vessels only.

30. Make sure you are still in the **Analysis** tab.

31. For each AOI row, click on its **Process** button.



The AOI row will turn from yellow to gray while the AIS data is being processed per the filters you set and then will automatically turn to white when the AIS data is ready.

*Hint: If you cannot access the Process button, make sure your project has a **Source** (AIS request number).*

End of Exercise 3.

In Exercise 4, we will explore the AISAP built-in tools for visualizing and analyzing the AIS data in your AOIs.