



Introduction to SeaVision Interface

Lesson 1.3

09/24/2020

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Lesson 1.3 Objectives

Upon successful completion of this lesson, the student will be able to:

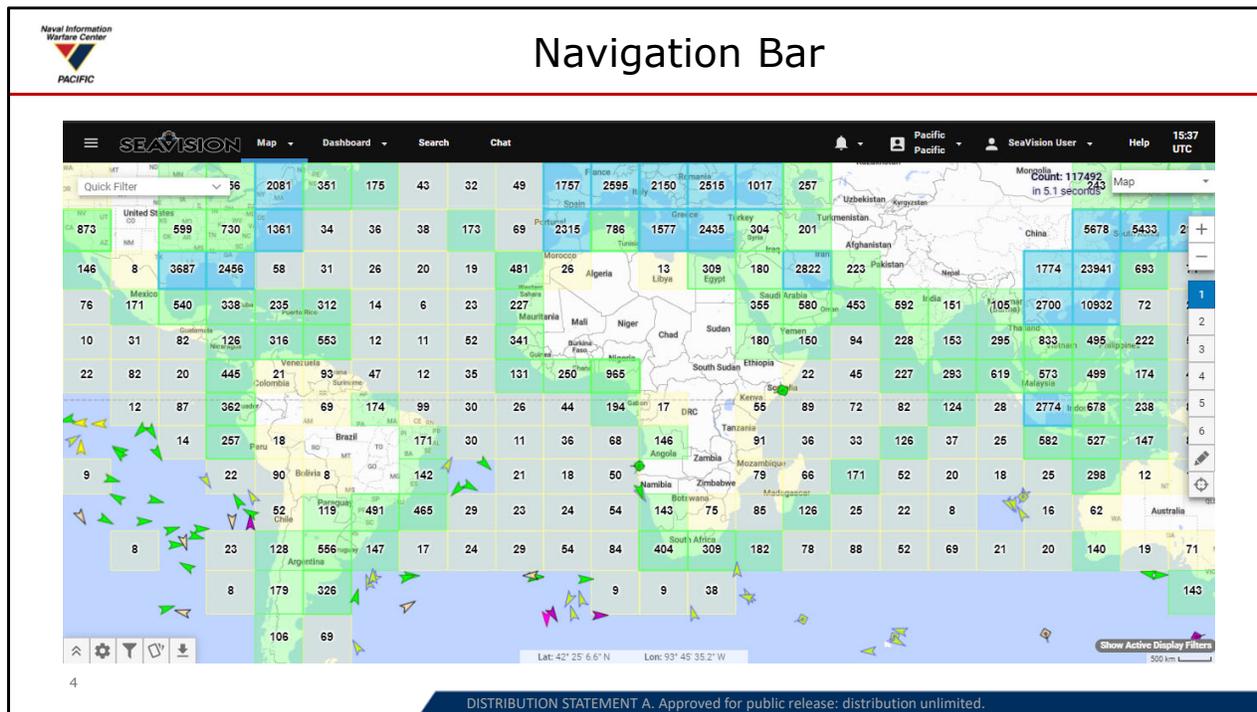
- Identify the major areas and navigation of the interface, to include:
 - Navigation Bar
 - Main Menu
 - (MY LAYERS, STATIC LAYERS, MAP TOOLS)
 - Map (Drop-down list)
 - Dashboard
 - (Rules, Alerts, Warnings, Vessel Lists)
 - Search
 - Chat
 - Notifications
 - Communities/Personas
 - My Account
 - Map Background
 - (Display icons, colors, vessel density)



Lesson 1.3 Objectives (Cont.)

Upon successful completion of this lesson, the student will be able to:

- Identify the major areas and navigation of the interface to include:
 - Map Display Types
 - Custom Map Views
 - Create Custom Map Views
 - Zoom
 - Jump To
 - Show/Hide Active Filter
 - Latitude & Longitude
 - Map Options
 - Map Settings
 - Map Filters
 - Baseball Card Settings/Vessel Data Cards
 - Export Vessels
 - Quick Filter



- The menu button toggles open/close the left-side menu
- The drop-down options for both the Map and the Dashboard
- The Search feature allows users to perform searches that can be saved and shared, and display results on the map
- The Chat link opens SeaVision (SV) Chat in a separate chat window
- The Notifications bell is for the user's Rules, Alerts, and Request Inbox. The Request Inbox notification shows when a user's Community Manager has acted on their request
- The Switch Persona drop-down allows users with multiple personas to switch between them
- The User drop-down is where users can update their password, set their preferences, etc.
- The Help button offers solutions to common issues and a link to the SV User Guide
- The UTC clock provides a quick reference for the current Coordinated Universal Time (UTC) time



Navigation Bar



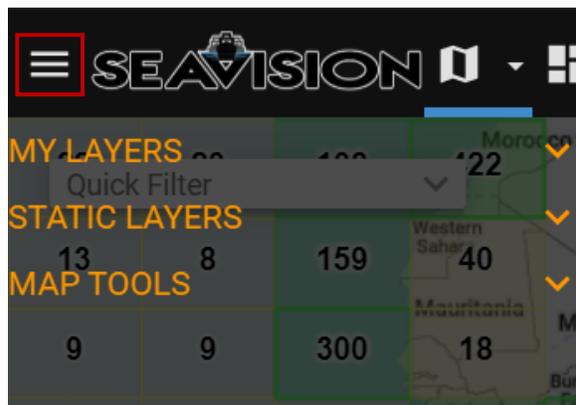
The SeaVision navigation bar is viewable from both the Map and the Dashboard views and contains the following:

- Main Menu
- SeaVision logo
- Map and Dashboard controls
- Search feature
- Chat feature
- Notifications
- Switch Persona
- User controls (password, preferences)
- Help
- Coordinated Universal Time (UTC) clock



Main Menu

- Provides custom displays and options for SeaVision:
 - MY LAYERS
 - User defined shapes
 - Add Custom Layer
 - STATIC LAYERS
 - Custom Map Attributes
 - MAP TOOLS
 - Distance Tool
 - Manual Report
 - Time Machine





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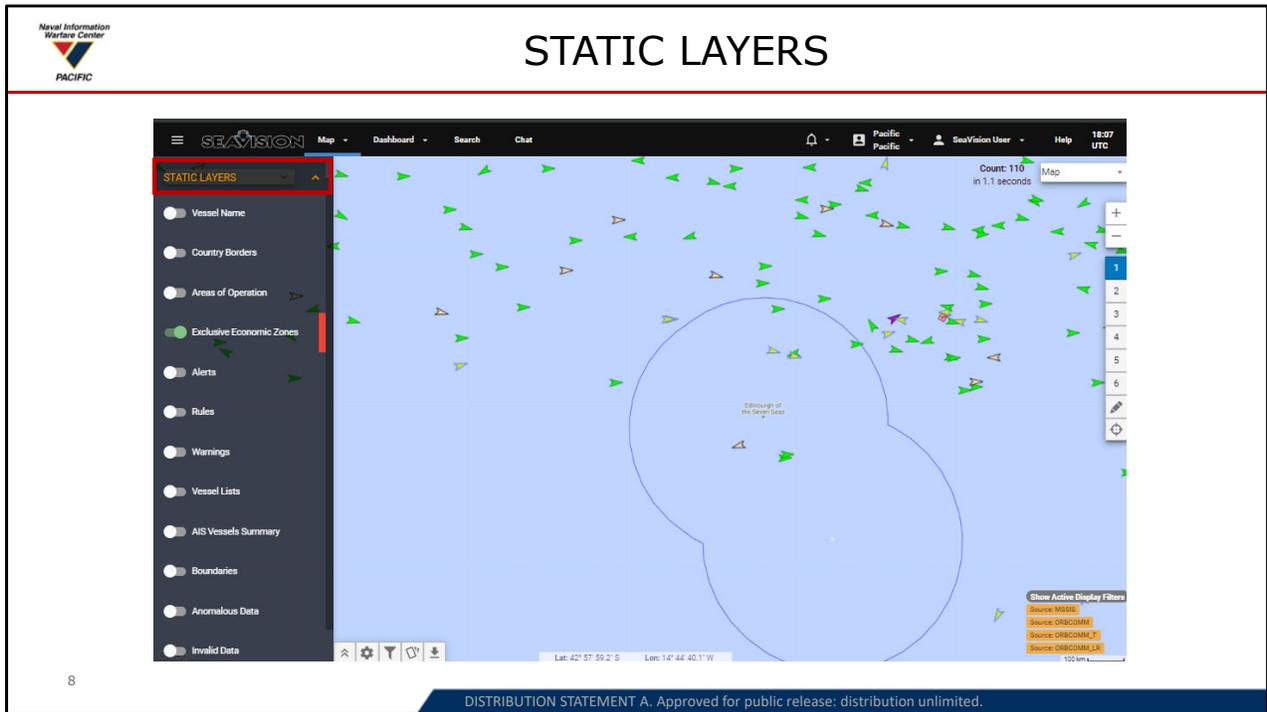
MY LAYERS

- Selecting the edit tool activates the Shapes Manager

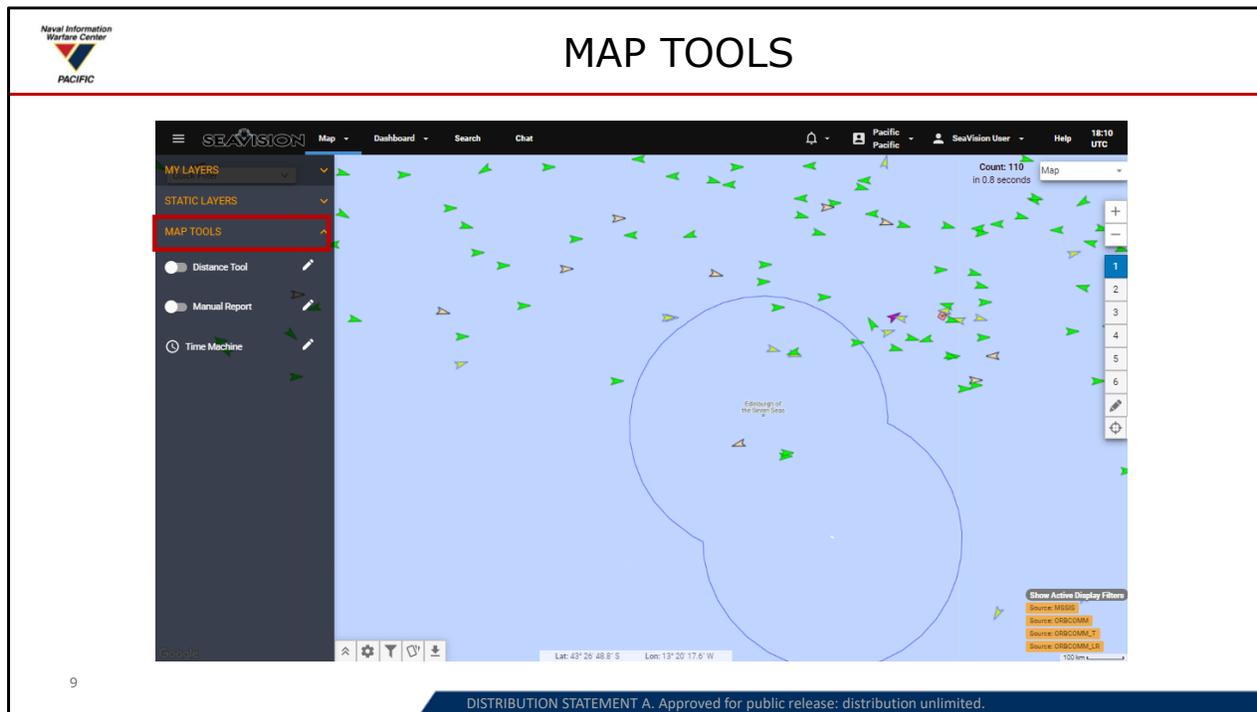
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- Shapes enable users to select and highlight a region of interest to track vessel activity. Supported shape types include marker, polyline, polygon, circle, and rectangle. A user-defined shape can be used to designate a geospatial area for Searches, Rules, and/or Alerts



- Static Layers allow users to toggle on/off map attributes

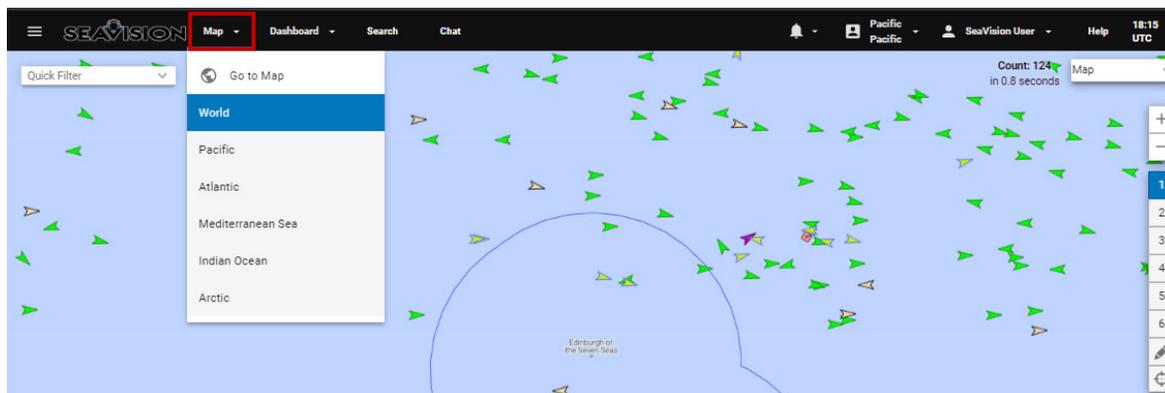


- Map Tools provides a series of tools to aid in tracking and search activities. This tab includes:
 - Distance Tool – add a Rhumb Line (RL) or Great Circle (GC) to an area of interest
 - Manual Report – add a vessel or incident to the map
 - Time Machine – shows all vessels' last known positions in a four-hour window prior to a user-selected date and date and time



Map

- A drop-down list of a user's saved Map views





Search

Search
Manage

Choose How To Evaluate Your Conditions

Vessels must meet all conditions

Vessels can meet any condition

Set Up Your Conditions

Vessel Type is 00 - Unknown

[ADD CONDITION](#)

Choose The Time Period To Evaluate

Vessel Age 1 hr No Maximum

Done!

[SEARCH](#)

Search Results (146606 total vessels)

[EXPORT](#) [SAVE AS LIST](#) [MAP RESULTS](#)

FLAG	VESSEL NAME	MMSI	IMO NUMBER	LATITUDE	LONGITUDE
1	888-2	100000002	0	37.958928	120.408387
2	Hi Flyer	100000014	0	43.517433	-65.735215
3	02305 Zhao	100000002	0	20.6782	108.58739
4	Zhexiangyu0313...	100000021	0	29.226507	121.951267
5	Zhexiangyu7611...	100000022	0	28.571488	122.640795
6	60129-8	100000024	0	26.283098	120.265325
7	Biao02589-2	100000027	0	26.1763	120.249047
8	Zhedingyu06208...	100000028	0	29.869722	122.370575
9	Zhe Pu Yu 68827...	100000029	0	29.195962	121.941533
10	Zhexiangyu7611...	100000030	0	28.50321	122.632655
11	Qiu-07	100000031	0	38.525047	120.506772
12	Sudongtaiyu009...	100000032	0	32.563313	121.039932

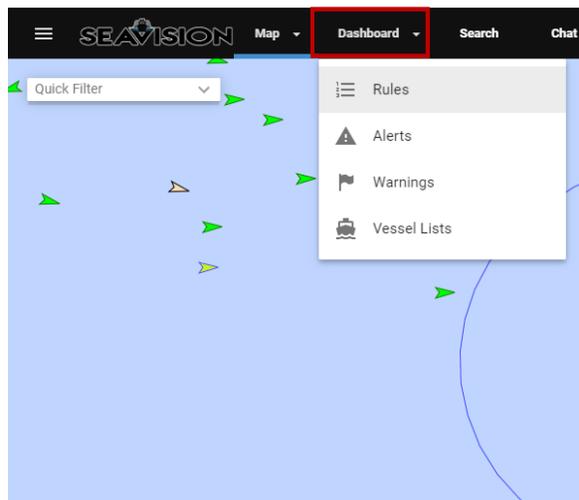
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Dashboard

- Rules
- Alerts
- Warnings
- Vessel Lists



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- The + allows users to create new Rules
- All active Rules are listed in the first column in the Active Rules window
- The center column shows a summary of the active rule, highlighted in the first column. At the top of the column are the options to edit the rule, run the rule, and share the rule. Below that are the conditions of the rule as well as the schedule for when SeaVision will run the rule
- In the third column are the vessel results for the rule. Users have the option to export the vessel results, save the results as a list, map the results, or adjust the settings for the results section



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- The + allows users to create new Alerts
- Active alerts are listed in the first column under Active Alerts
- The center column shows a summary of the active alert, highlighted in the first column. At the top of the column are the options to edit the alert or share the alert. Below that are the conditions of the alert
- In the third column are the vessel results for the alert. Users have the option to export the vessel results, save the results as a list, map the results, or adjust the settings for the results section



Warnings

Warnings

Overview

Vessel Counts by Rating

VIEW...	SAFE...	SAFE...	SAFE...	SECU...	SECU...	SECU...
1 World	21772	92282	94767	101353	89079	18389
2 Pacific	8559	34417	31536	39069	30888	4555
3 Medit...	3768	18439	23820	20162	22287	3578
4 Arctic	1021	12749	7839	3616	17432	561
5 Indian...	8773	37717	41655	45264	34927	7954
6 Atlantic	14931	54134	59002	62364	50479	15224

World

Safety and Security Ratings

Safety Ratings

Vessel Highlights

Top 5 Safety Scores

	IMO N...	MMSI	SAFET...	SAFET...	SECU...	SECU...
1	7615012	677041...	3382	H	0	L
2	8121020	371177...	3313	H	3	L
3	7223041	677030...	3282	H	17	H
4	8003943	271055...	3265	H	7	M
5	7396654	671208...	3095	H	2	L

Top 5 Security Scores

	IMO N...	MMSI	SAFET...	SAFET...	SECU...	SECU...
1	9404819	636015...	1	L	17	H
2	9239848	319099...	17	H	17	H
3	9005065	567573...	6	L	17	H

Warnings (Cont.)

The screenshot displays the SeaVision interface with a map showing various vessels. A red box highlights the 'Warnings' layer in the 'STATIC LAYERS' menu. Another red box highlights a vessel's 'Warnings' icon on its data card, which is linked to a detailed 'Warnings' panel for the vessel 'lolcos Vision'. This panel shows a 'SAFETY' score of 6 (Low) and a 'Flag State - Safety' of 0.

Map Data Card (lolcos Vision):

- Source: SATELLITE AIS
- Time: 2020 Jun 17 18:36:56 UTC
- Age: 0h 20m 29s ago
- Position: 36° 6' 59" S, 17° 11' 37" W
- Speed: 11.3 kts
- Heading: 90°
- Course: 88°
- MMSI: 249947000
- IMO Number: 9425148
- Flag: Malta
- Call Sign: 9HA2091
- Ship Type: 7-Cargo
- Length: 229 m
- Beam: 36 m
- Draft: 19.6 m
- Navigation Status: 0-Underway(Engine)
- Destination: Singapore
- ETA: 07/10 @ 12:00 UTC

Warnings Panel (lolcos Vision):

- Flag State - Safety: 0
- Ship Management: 0
- Classification Society: 0
- PSC Inspection History: 0
- PSC Detention History: 0
- Non-detainable inspection defects: 0
- Age & Type of Vessel: 0
- Changes in Owner/Operator/Manager/Flag: 0
- Safety Score and Rating: 6 (Low)
- Flag State - Safety: 0

- Warnings can be selected as a Static Layer, which highlights vessels with a color that coordinates with the vessel's warning status
- Users can view the warning details of a vessel by selecting the Warnings icon, a flag, on the vessel's baseball card (vessel data card)

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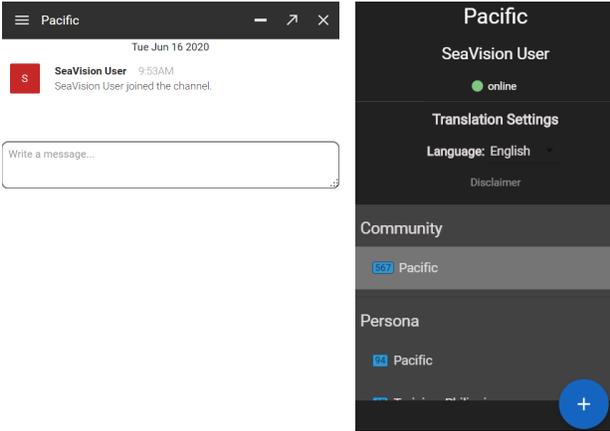
- The + allows users to create new Vessel Lists
- The lists a user has created will be listed under My Lists
- Selecting a Vessel List from My Lists will trigger the list to be displayed in the window on the right of the screen, as well as be mapped in the map view within the Vessel Lists window
- From the list view, users have the option to add vessels to the list, download the vessel list, adjust the settings of the list columns, or map the vessels on the main SeaVision map
 - Additionally, the user has the option to add notes to each vessel on the list, activate history trails for each vessel on the list, or delete the vessel from the list





Chat

- Chat Channels
- Community
- Persona
- Direct Messages



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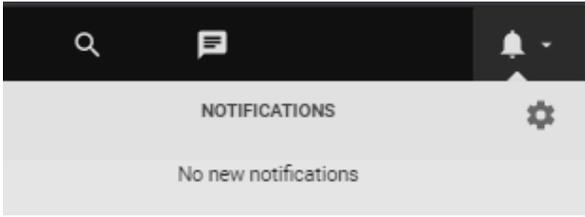
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Notifications

- The Notifications icon is a bell
- Selecting the bell opens the Notification window
- Notifications can pertain to Alerts or Rules



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- Numbers appear in a red bubble by the bell when there are new or unviewed notifications



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COMMUNITIES/PERSONAS

PERSONAS

- Pacific
- Training_Malaysia
- Training_Philippines
- Training_Thailand
- Training_Vietnam

COMMUNITIES

Pacific

Change Default Persona

My Preferences

Default Persona

Select a default persona

Pacific / Pacific

UPDATE DEFAULT PERSONA

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- Users can quickly change the persona they are in by utilizing the drop-down menu
- Users can change their default persona from My Preferences within the My Account portion of their profile





User Profile

Pacific Pacific **SeaVision User**

- Inbox
- My Account**
- Help
- Logout

My Login and Profile >

Login
USA-NIWC-User

Profile
SeaVision User
seavisionuser@navy.mil
xxxxxxxx
xxxxxx
xxxx
xxxx

My Communities >

These are the communities that you are a part of:

Pacific
Pacific Fleet and ASEAN
Member Nations

My Preferences >

Access and configure any SeaVision settings here:

Default Persona
Change persona to automatically switch into upon login

Rules
Change columns to view in results table

Alerts
Change columns to view in results table

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User Profile: My Login and My Profile

My Login

Username
USA-NIWC-User [EDIT USERNAME](#)

Password
***** [EDIT PASSWORD](#)

[SETUP MULTI-FACTOR AUTHENTICATION](#)

[MANAGE API KEYS](#)

My Profile

[EDIT PROFILE](#)

First Name: SeaVision Last Name: User

Email (*unverified): seavisionuser@navy.mil [SEND VERIFICATION EMAIL](#)

Country Calling Code: +1 Phone: xxxxxxxx

Address: xxxxxx

Agency: xxxx Organization: xxxx Org (Abbr): NIWC

Nationality: United States Of America





My Communities

My Communities

Community
Pacific

Join a
Community



Pacific	Total Users	Inactive Users
Pacific Fleet and ASEAN Member Nations	704	173

[EMAIL LIST](#)

Personas

Community Manager	AOs: 1	EEZs: 1	Users: 26
Airbus SATSAR	AOs: 1	EEZs: 1	Users: 7
Australia	AOs: 1	EEZs: 1	Users: 49

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Help Desk

SEAVISION Map Dashboard Search Chat Pacific Pacific SeaVision User Help 15:37 UTC

Help Desk

Frequently Asked Questions

1. How do I join a new Community?
2. How do I change my default Persona after logging in?
3. Why are no vessels showing up on the map?
4. Why do I get an error message when trying to toggle on a history trail?
5. Is there a quick way to remove all history trails on map?

How do I join a new Community?

1. Go to *My Account > Communities > Join a Community*
2. Select a Community from the list of Communities available.
3. To begin, click on the quick link: [Join A Community](#)

How do I change my default Persona after logging in?

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Vessel Count and Map Type

Count: 14613
in 2.7 seconds

Dark Simple

Vintage

Midnight

Gray

Map

Satellite

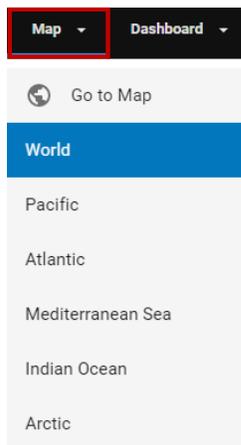
Hybrid

Terrain



Map View—Custom Views

- Custom views
 - Create a custom view with map details and save to a preset number
 - Six custom user-created map views
 - Edit view
- Map drop-down lists available
- Zoom functions





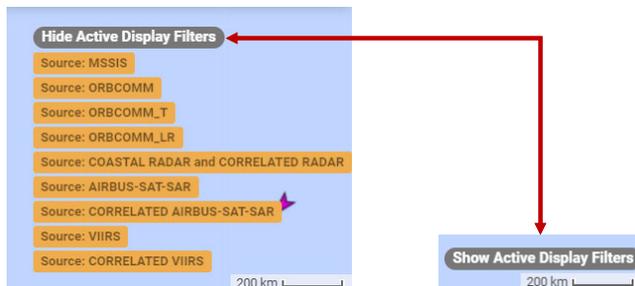
Jump to Location

The screenshot shows a map interface with a search box. The search box contains the text "Enter Location" and a blue button with a target icon. Below the search box is a grey instruction bar that reads "Enter a City, Country, Region, or Coordinates (example: 045S, 125.5W)". To the right of the search box is a vertical toolbar with a "6" button, a pencil icon, and a double arrow icon. A yellow arrow cursor is positioned over the map area.



Show/Hide Active Filters

- Display Filter Toggle
 - Short listing of active filters





Latitude and Longitude

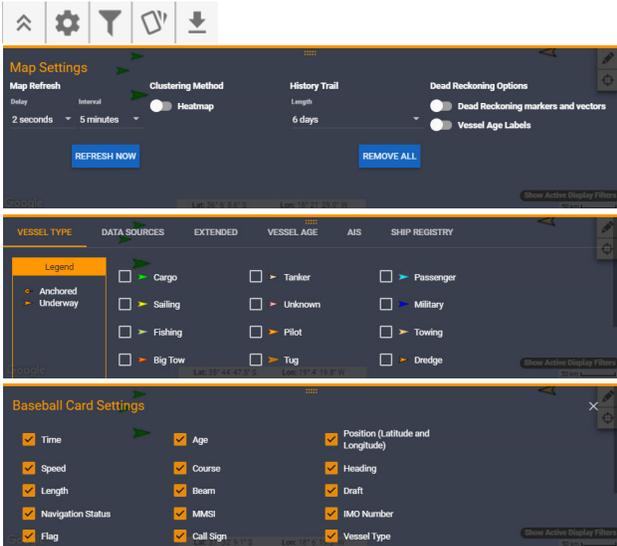




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Map Options

- Map Settings
 - Map Refresh
 - History Trail
 - Dead Reckoning Options
- Map Filters
- Baseball Card Settings (Vessel Data Card)
- Export Vessels



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- Map Refresh
 - Refresh Delay – adjusts the time between pan movements before reloading the page. Users can choose from 0 to 10 seconds
 - Refresh Interval – updates the current locations of all vessels on the Map display. The rate can be set between 1 or 10 minutes
- History Trail – Displays vessels' last reported positions from 1 to 90 days
- Dead Reckoning (DR) Options – DR vectors provide a visual overlay on the map to display where a ship may be based on the dead reckoning calculation considering the time elapsed from a vessel's last reported position, heading, and speed

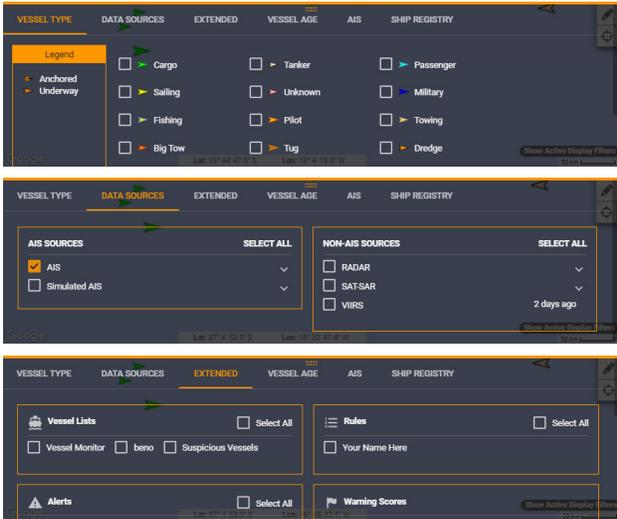




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Map Filters

- Vessel Type
- Data Sources
- Extended



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- The Vessel Filters tab lists a variety of vessel-related filters within SeaVision. Users can run multiple filters simultaneously and can show vessels that match select criteria, user-defined rules and/or alerts, and saved custom Vessel Lists. This tab includes:
 - Filter by Vessel Type: an icon key that lets users select the types of vessels that they wish to see on the Map, as the display defaults to showing all vessel types
 - Data Sources: toggle on/off Data Sources
 - Extended: allows filters to be set by Vessel List, Rules, Alerts, Warning Scores, and/or Anomalies

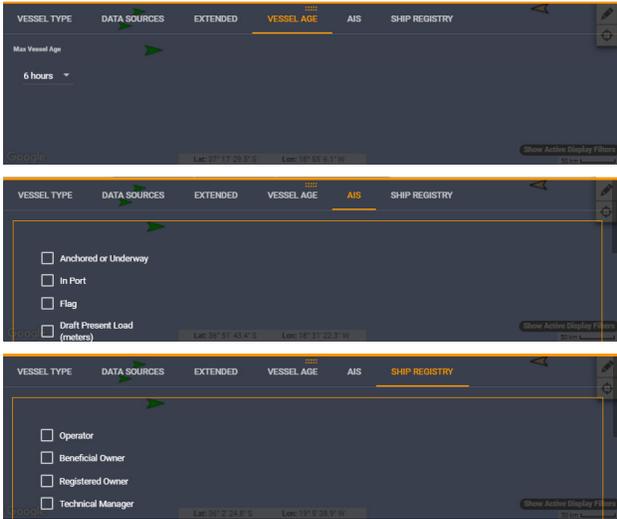




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Map Filters (Cont.)

- Vessel Age
- Automatic Identification System (AIS)
- Ship Registry



The first screenshot shows the 'VESSEL AGE' filter panel with a dropdown menu set to '6 hours'. The second screenshot shows the 'AIS' filter panel with checkboxes for 'Anchored or Underway', 'In Port', 'Flag', and 'Draft Present Load (meters)'. The third screenshot shows the 'SHIP REGISTRY' filter panel with checkboxes for 'Operator', 'Beneficial Owner', 'Registered Owner', and 'Technical Manager'.

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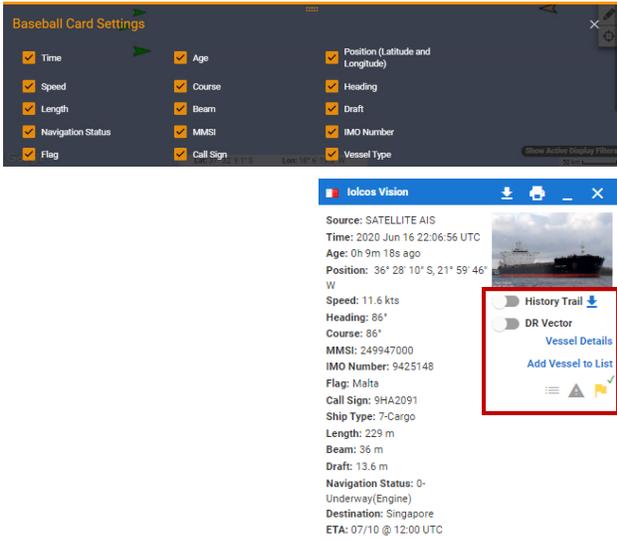
- Vessel Age: changing this criterion affects the age of vessel reports displayed. The most recent report will be shown for each vessel from vessel age selected to current time
- AIS: allows users to filter vessels based off AIS fields
- Ship Registry: allows users to filter vessels based off Ship Registry information



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Baseball Card/Vessel Data Card Settings

- Select/Deselect Items
- History Trail
- Dead Reckoning (DR) Vector
- Vessel Details
- Add Vessel to Lists
- Download or Print Information



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- Baseball Card/Vessel Data Card
 - The pop-up display of vessel attributes can be customized in Baseball Card/Vessel Data Card Settings
 - Toggle on/off Individual History Trail or DR Vector
 - Vessel Details provides a more in-depth report of known vessel attributes and the ability to export vessel data
 - Add Vessel to List allows user to add the vessel to an existing or a new vessel list
 - Alerts/Rules indicates if a Vessel meets pre-established alerts or rules
 - The Warning Details icon displays warning details





Export Vessels

- Export the vessels in the screen view as a KML formatted file

Opening lists-export-vessel-list-2019-09-17_09-18.kml

You have chosen to open:

 **lists-export-vessel-list-2019-09-17_09-18.kml**
which is: XML Document (650 bytes)
from: blob:

What should Firefox do with this file?

Open with Office XML Handler (default)

Save File

Do this automatically for files like this from now on.

OK Cancel

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- A KML file stores geographic modeling information in XML format. It includes points, lines, polygons, and images. KML files are used to identify and label locations, create different camera angles, overlay textures, and add HTML content
- Google Earth is a common application that uses KML files



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Quick Filter

Quick Filter

Filter on these field types:

- MMSI
- IMO Number
- Vessel Name
- Destination

Edinburgh of the Seven Seas

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Introduction to SeaVision Interface Summary

- Identify the major areas and navigation of the interface, to include:
 - Navigation Bar
 - Main Menu
 - Map (Quick List)
 - Dashboard
 - Search
 - Chat
 - Notifications
 - Communities/Personas
 - My Account
 - Map Background
 - Map Display Types
 - Custom Map Views
 - Show/Hide Active Filter
 - Latitude & Longitude
 - Map Options
 - Quick Filter



Questions?

