



# PacTracs Quick Start Guide

If this Quick Start Guide or the [Help](#) menu does not provide the information needed, call the Marine Exchange's 24 hour Operations Center and our watchstander will provide assistance.

**Ph: (907) 463-3064**

***For PacTracs help for iPads, see our [iPad Quick Start Guide](#)***



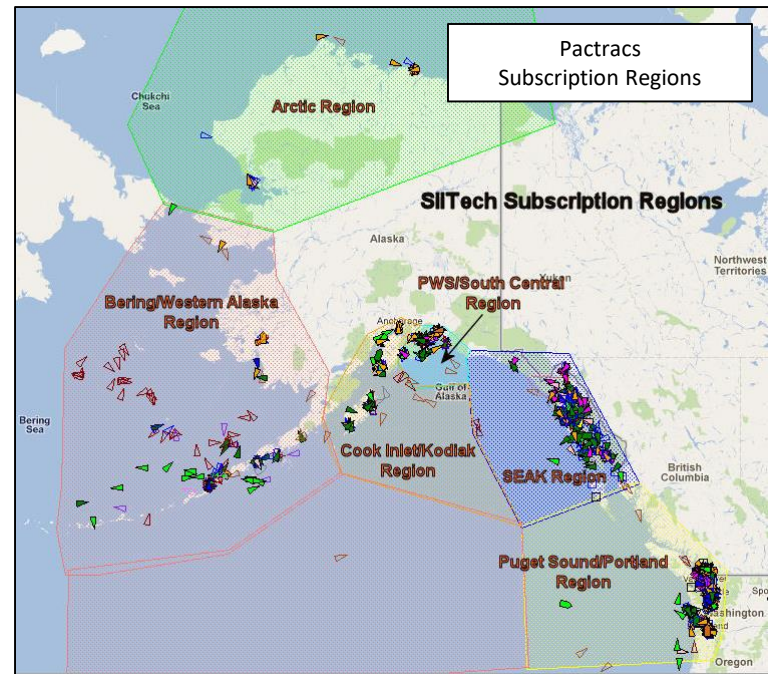
# Overview

PacTracs vessel tracking display option was added to Marine Exchange of Alaska's (MXAK) Graphical User Interface (GUI) options in 2011 utilizing Siitech software. PacTracs displays the locations of vessels obtained from MXAK's 100+ AIS (Automatic Identification System) stations as well as Satellite-AIS

The regions of Alaska and Puget Sound (see graphic below) to which a user has access is determined when one registers and can be modified by contacting MXAK's office. The fee structure is based on the number of regions accessed and when satellite tracking is authorized, the specific vessels that will be viewed.

## PacTracs offers the following options:

- **Nautical Chart , Maps, and Satellite imagery display options**
- **Ability to display vessels' track histories**
- **Ability to sort or limit vessels displayed on screen**
- **Set up of alarms and automated notifications at various locations or triggered by events**
- **Presentation of weather info in the displayed area**
- **Color coding of vessels**





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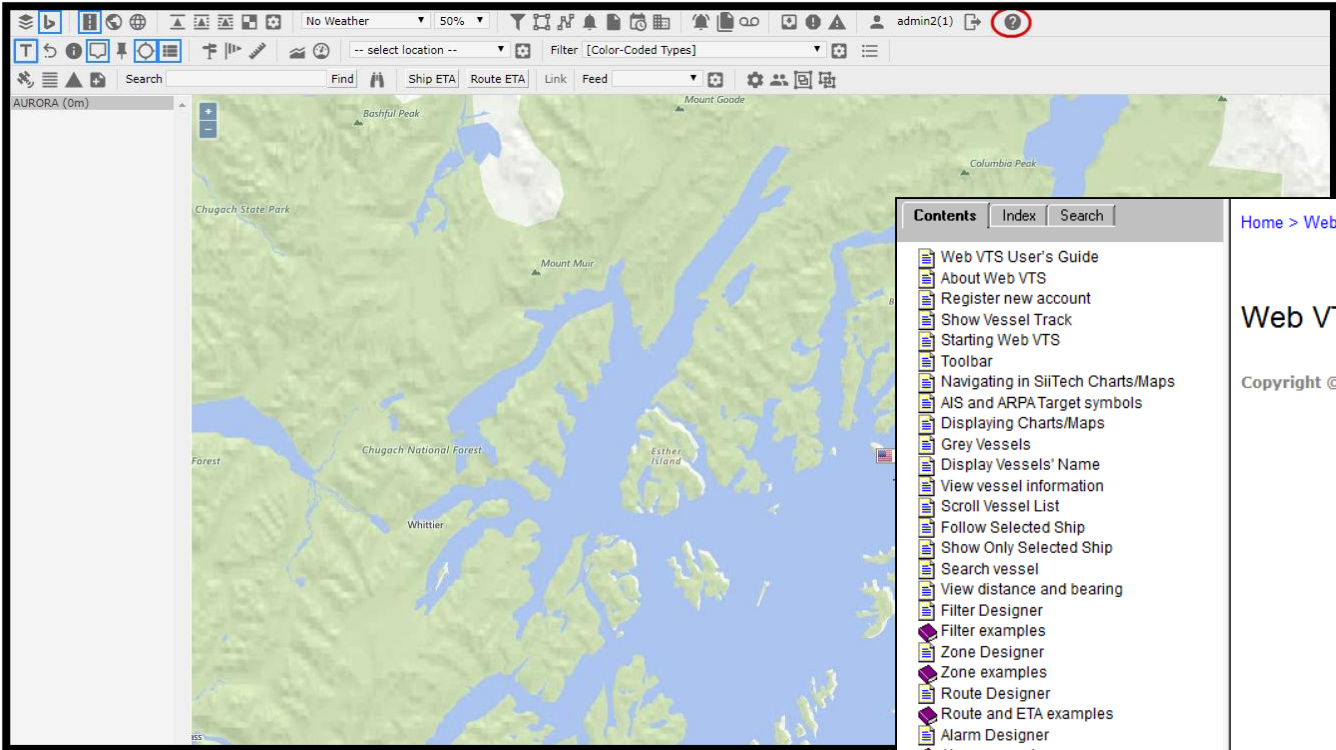
This Quick Start Guide provides basic information on the operation of PacTracs by covering the below subjects. Click on the blue page number to be taken directly to topic.

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# Help



Upon selecting the **Help** button above, a User's Guide is displayed that provides more in depth guidance than this Quick Start Guide.

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## Web VTS User's Guide

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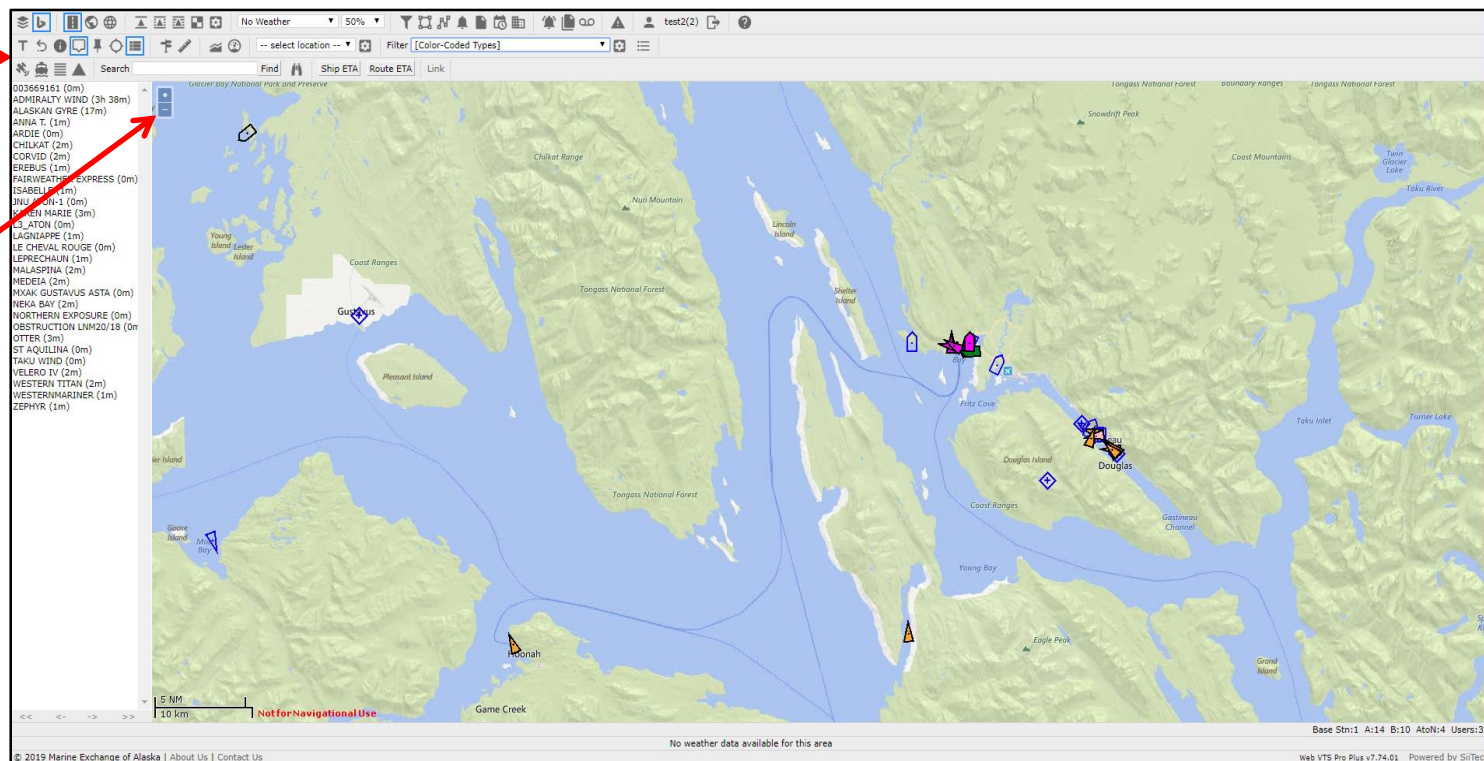


# Basic Display

Tool Bar

Zoom in or out

Vessels located in  
the chart area



**NOTE:** Make sure your browser's pop-up blocker is off, as windows within PacTracs may be hidden otherwise

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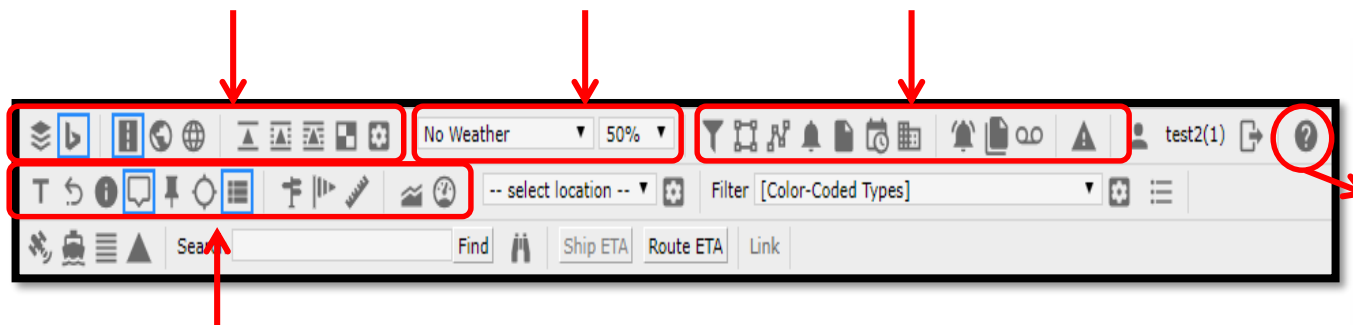


# Toolbar

Maps and Charts

Weather Overlay

Designers and Assorted Tools



Display Options


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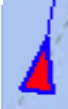
The **Toolbar** will be referenced frequently throughout this guide, and familiarity with it is essential for every day use of PacTracs. Above, the toolbar has been labeled into four categories: **Maps and Charts**, **Designers, Tasks and Assorted Tools**, and **Display Options**. On the top right are two icons: **Log Out** and **Help**. To read more about the intricacies of the toolbar, click the **Help** button or [click here](#) and select **Toolbar** from the menu.


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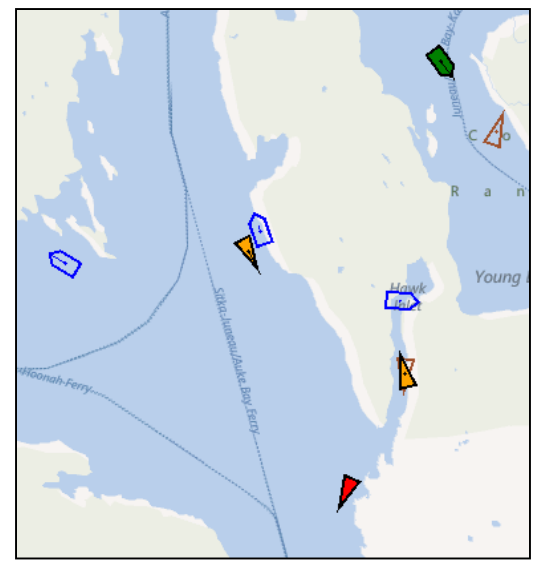
# Description of Vessel Icons

 An AIS equipped vessel that has stopped to broadcast AIS messages whose speed was less or equal 0.5 Knots

 A selected vessel

 A vessel that is carrying Class A AIS Transponder

 A vessel that is carrying Class B AIS Transponder



**NOTE:** Only the first two icons are based on color. The last two icons can be modified and coded by color depending on type of vessel, name, etc. The default is blue.


In the graphic above, the vessels have been color coded. Fishing vessels are green and tugs or towing vessels are orange. For more on creating color filters, [click here](#).

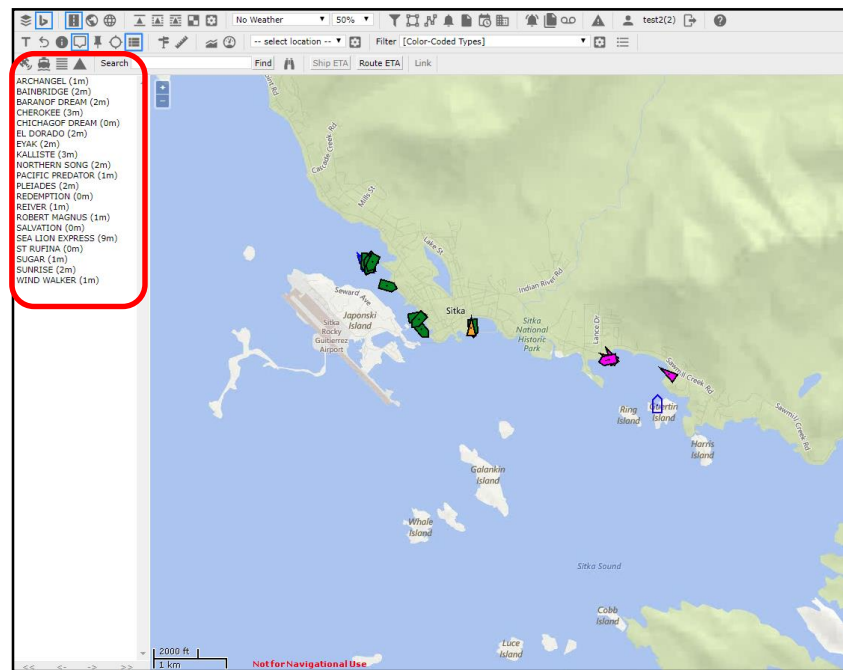
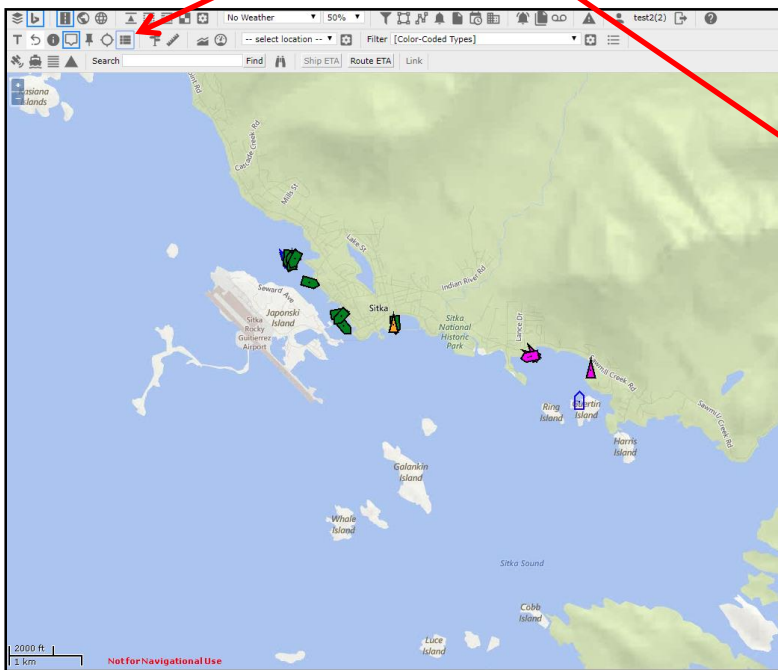
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# Vessel Listing



Select the **List**  button to turn on or off the listing of the vessels in the current display which is presented on the left side of the screen.



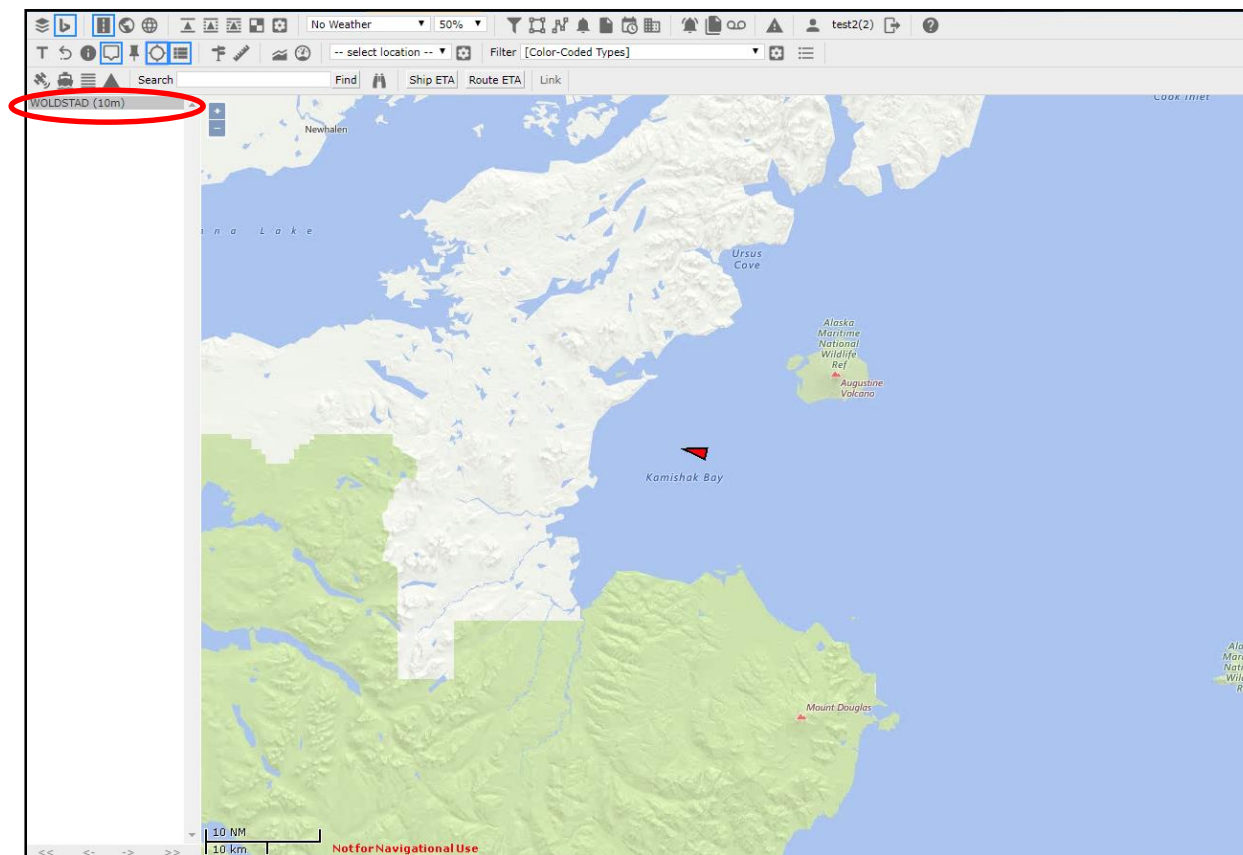
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## Selecting a Vessel


Upon selecting a vessel by clicking on its icon, the icon color will change to **red** and the vessel name will appear highlighted on the left panel.

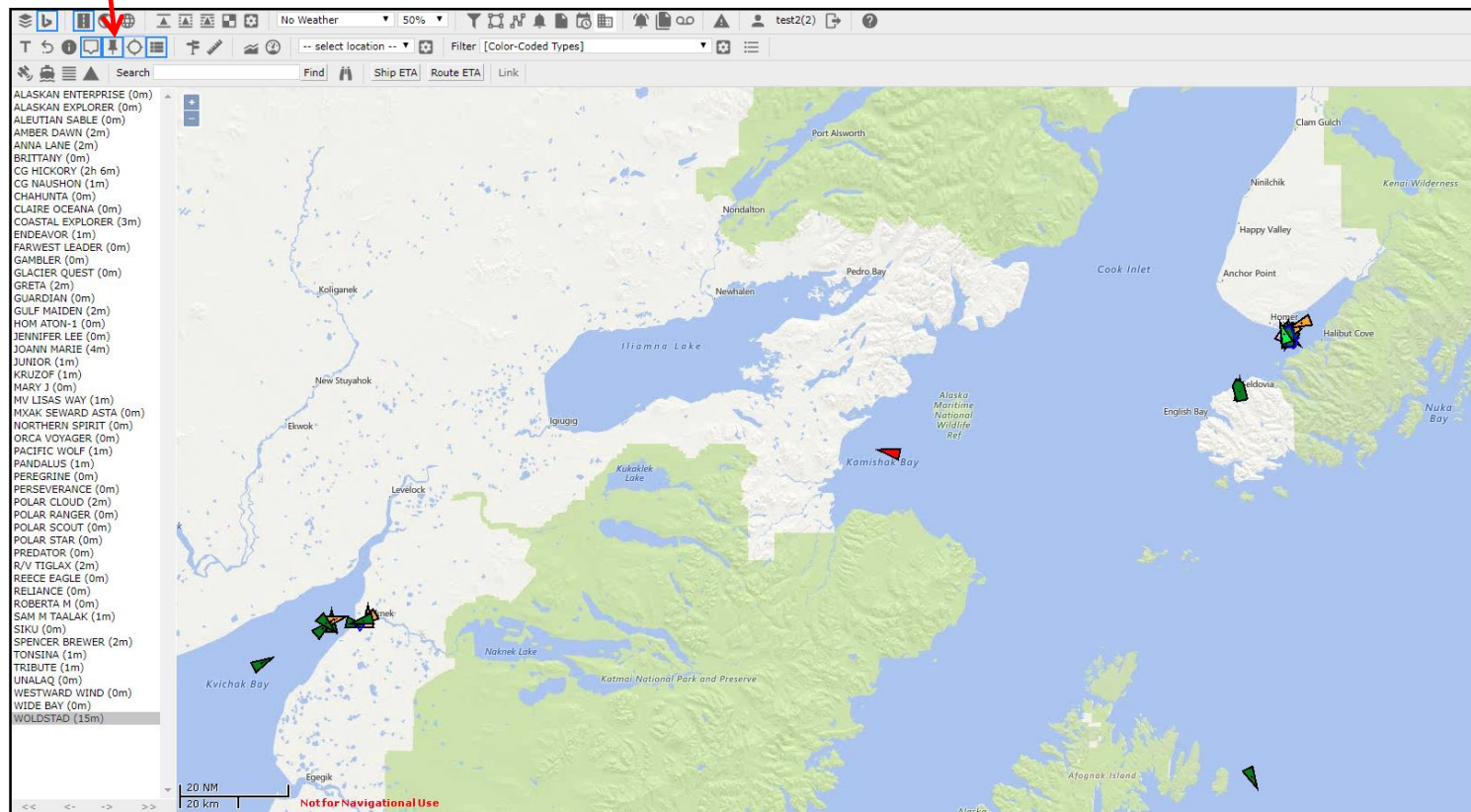




## Follow Selected Vessel



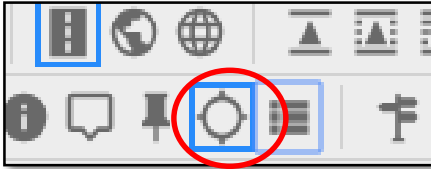
After selecting a vessel and turning its icon red, selecting the **Push Pin** icon  will result in the vessel remaining in the center of the screen and the chart centering on the current location of the vessel.




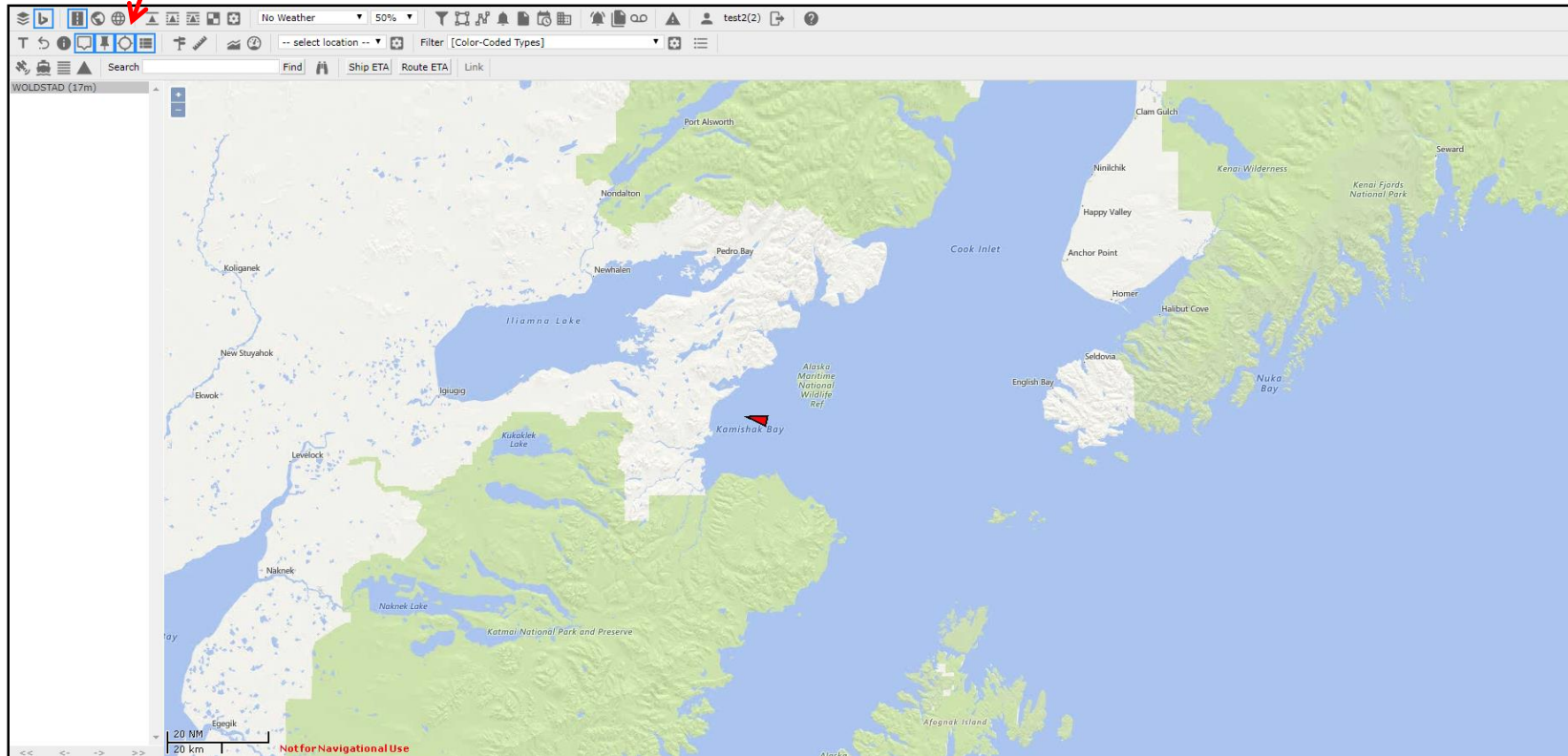
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## Show Only Selected Vessel

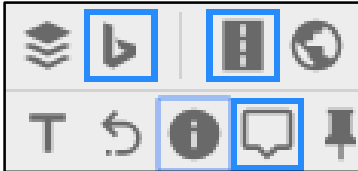



After selecting a vessel and turning its icon red, selecting the  icon will result in only that vessel being displayed and tracked.





# Vessel Information: Show Information Balloon



Select the **Show Information Balloon**  button to display the information screen for a vessel when the mouse is over the icon

The screenshot shows the Marine Exchange of Alaska vessel tracking software interface. The top toolbar contains various icons, with a red arrow pointing to the 'Show Information Balloon' icon (a speech bubble with an information symbol). The main map area displays a list of vessels on the left and a detailed information balloon for the vessel 'WOLDSTAD' on the right. The balloon contains the following information:

- WOLDSTAD**
- MMSI/IMO: 367752980 / 8305640
- Lat./Lng: 59°14.966'N / 153°48.426'W
- Type: Passenger ship
- Nav.Stat: Restricted manoeuvrability
- Speed/Course: 4.4knt / 96.1°
- Len./Beam/Depth: 36m / 9m / 4m
- Dest: COOK INLET
- ETA: 4/12/2019 20:00
- UTC: 4/17/2019 19:16:31
- Local: 4/17/2019 11:16:31
- Received: 3 min ago
- [ECS/Ship Details](#) [Photo](#)


The bottom of the interface shows coordinates, distance, bearing, CPA, TCPA, wind direction, wind speed, wave height, and temperature. The copyright notice at the bottom left reads: © 2019 Marine Exchange of Alaska | About Us | Contact Us. The bottom right corner shows: Web VTS Pro Plus v7.74.01 Powered by SiltTech.

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# Vessel Information: Ship Information Window



Select a vessel's icon ① turning it to red, then select the  button ② to obtain the Ship Information pop up window ③

The screenshot shows a map of Alaska with several vessel icons. One icon is highlighted with a red circle and labeled ①. A red arrow points from this icon to the information icon (i) in the toolbar, labeled ②. Another red arrow points from the information icon to the information window, labeled ③. The information window displays the following details:

Name	AURORA
MMSI	338205000
IMO	7502332
Call Sign	WYM9567
Type/Cargo	Passenger ship
Length x Beam	72m x 17m
Draught	3.8m
Nav. Status	Under way using engine
Last Seen UTC	4/18/2019 15:58
Last Seen Loc	4/18/2019 07:58
Latitude	60°41.903'N
Longitude	146°57.718'W
Nearest MM	14.9knt
Speed	283.5°
Course	284°
Heading	0°/min
Rate of Turn	WHITTIER
Destination	4/18/2019 19:45
ETA	High (<10m)
Pos. Accuracy	GPS
Pos. Fix. Dev.	

Below the table is a small image of the vessel AURORA and a link that says "Show EICIS Ship details".

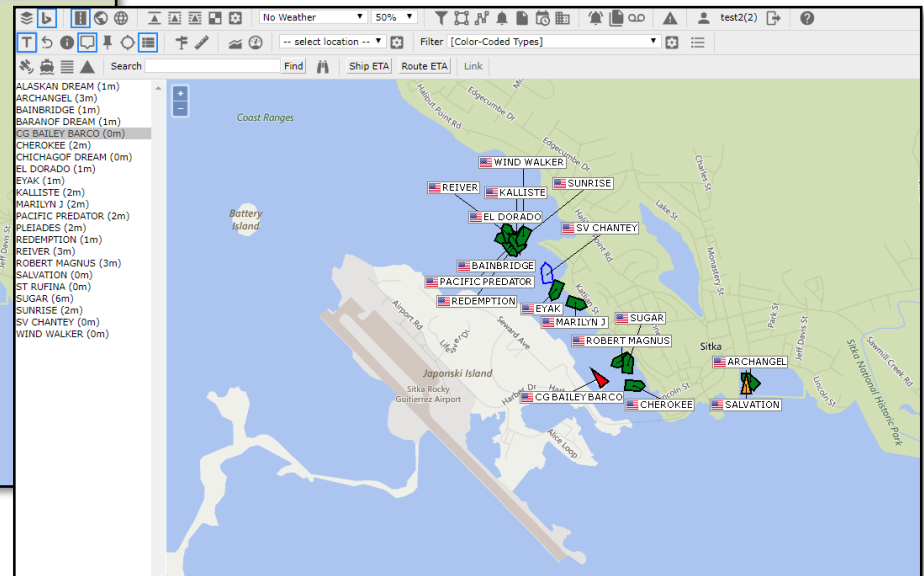
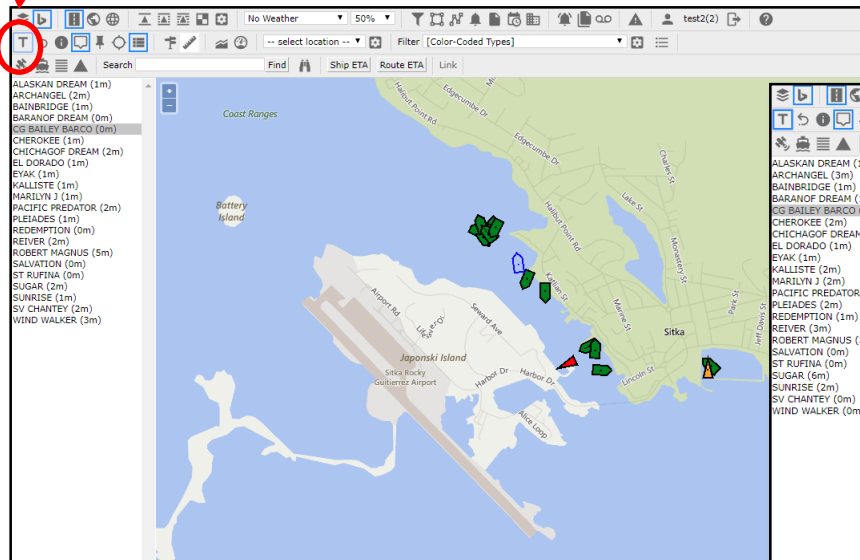
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# Display Vessel Names



Select the **T** icon to display names of all the vessels on the screen





# Search for Vessel

To search for a vessel, type in the name, call sign or MMSI (Marine Mobile Station Identifier) number in the space next to **Search** and if found, the screen will move to the location and the vessel will be the **red** icon

The screenshot shows a web-based marine tracking application. The search bar at the top left contains the text "CG BAILEY BARCO" and is circled in red. A red arrow points from this search bar to a red icon on the map, which represents the vessel. A pop-up window for "CG BAILEY BARCO" is open, displaying the following information:

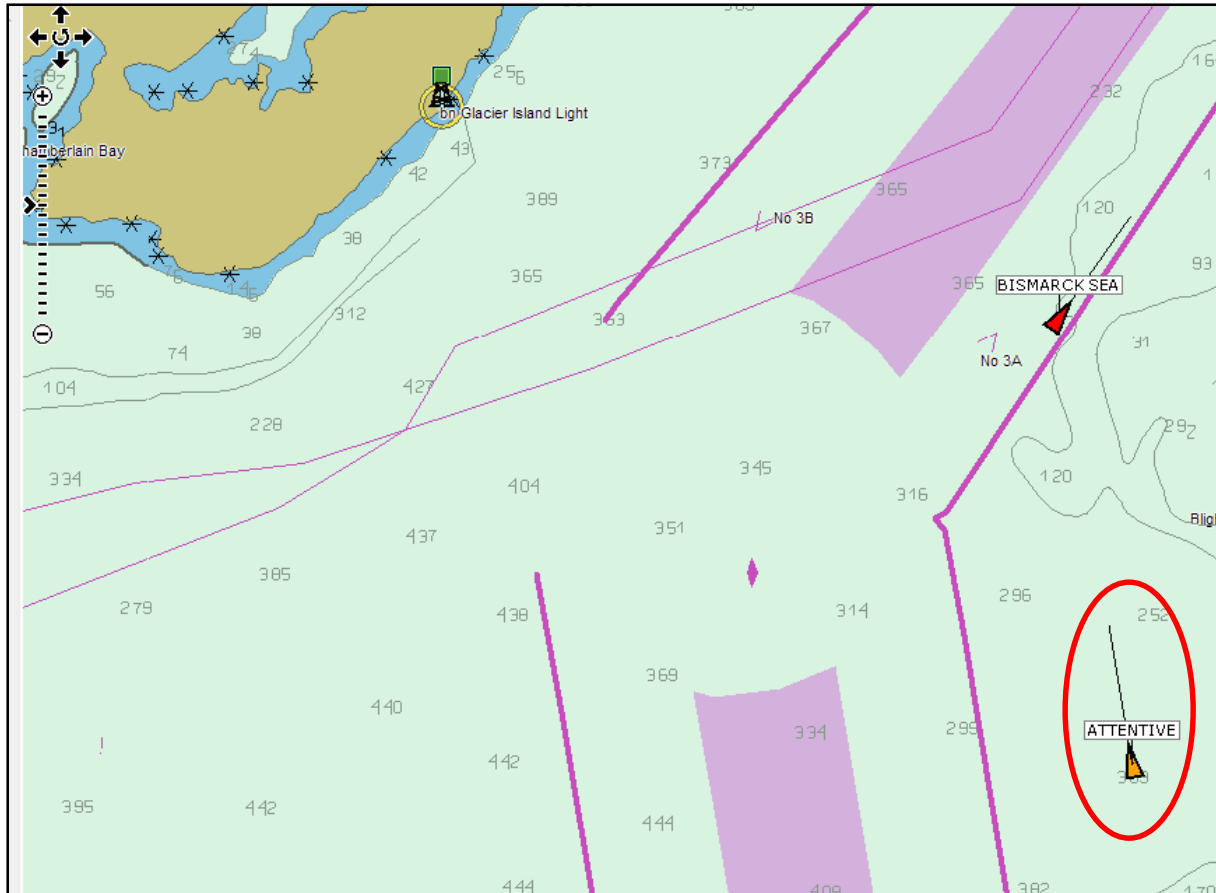
- MMSI: 338926422
- Lat./Lng.: 57°03.006'N / 135°20.730'W
- Type: Law enforcement
- Nav.Stat.: Moored
- Speed/Course: 0knt / 244.6°
- Len./Beam/Origin: 46m / 7m / 3m
- UTC: 4/18/2019 16:06:27
- Local: 4/18/2019 08:06:27
- Received: 2 min ago
- Buttons: [ETCS Details](#) [Photo](#)

The map shows the Sitka area in Alaska, including Sitka Sound, Sitka National Historic Park, and various islands like Guertin Island and Ring Island. The interface includes a sidebar with a list of vessels, a search bar, and a status bar at the bottom with coordinates and other data.

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## Vessel Speed and Direction



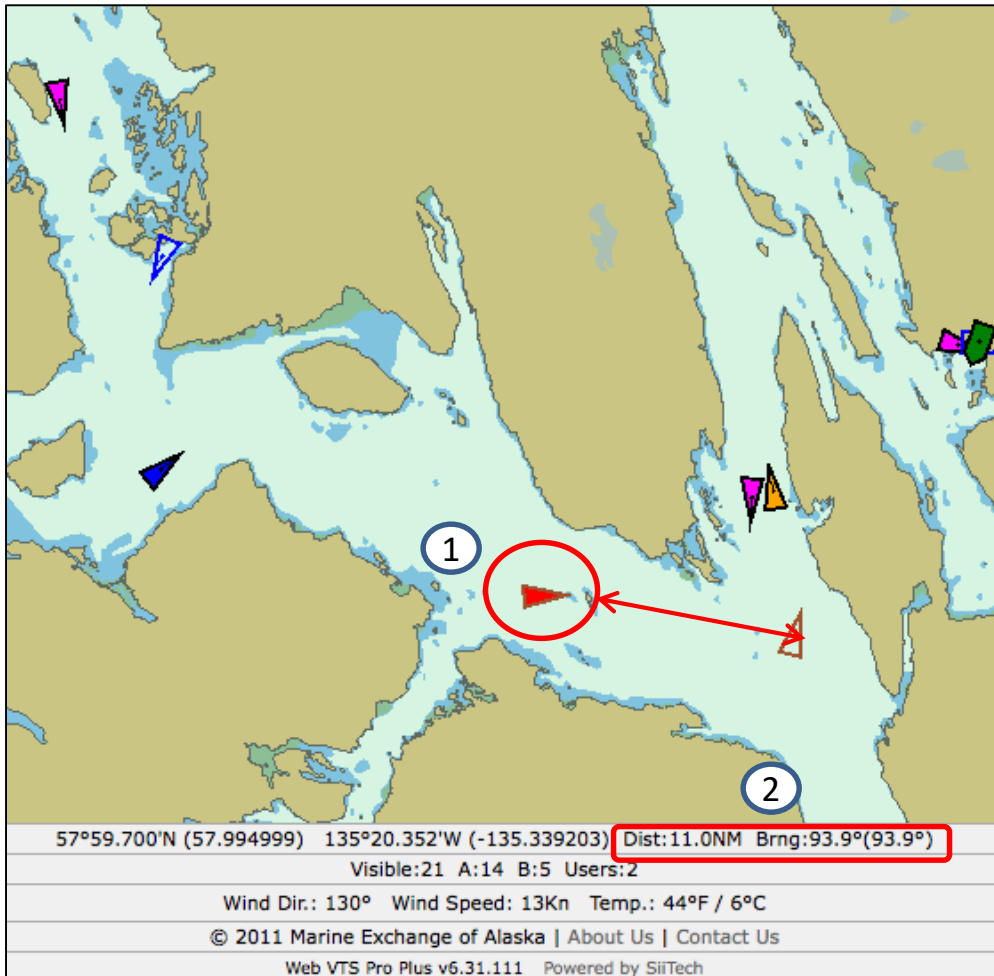
When zoomed in to a smaller scale, the vessel icons will display a line from the point or bow of the image that is relative in length to the speed and the distance the vessel will cover in the next 6 minutes.

**NOTE:** This is not shown when zoomed out.





## Measure Distance Between a Vessel and Any Location





To determine the distance between a selected vessel and another vessel or object do the following:

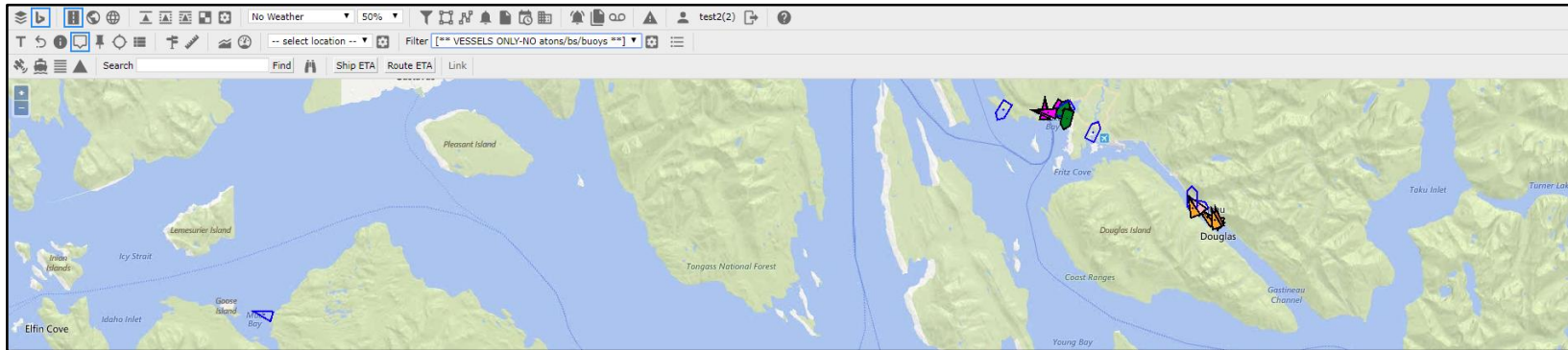
- 1 Select a vessel by clicking on the vessel icon which will change the icon color to red
- 2 Move the cursor to the location you want to measure to and the distance and bearing will be displayed on the bottom alpha/numeric display





# Display Options: Open Street Maps and Bing Maps

There are two map providers available to PacTracs users: Open Street Maps and Bing Maps. Choosing either one of these;  , or  , determines which display options will be show in view.



Open Street Maps



Bing Maps

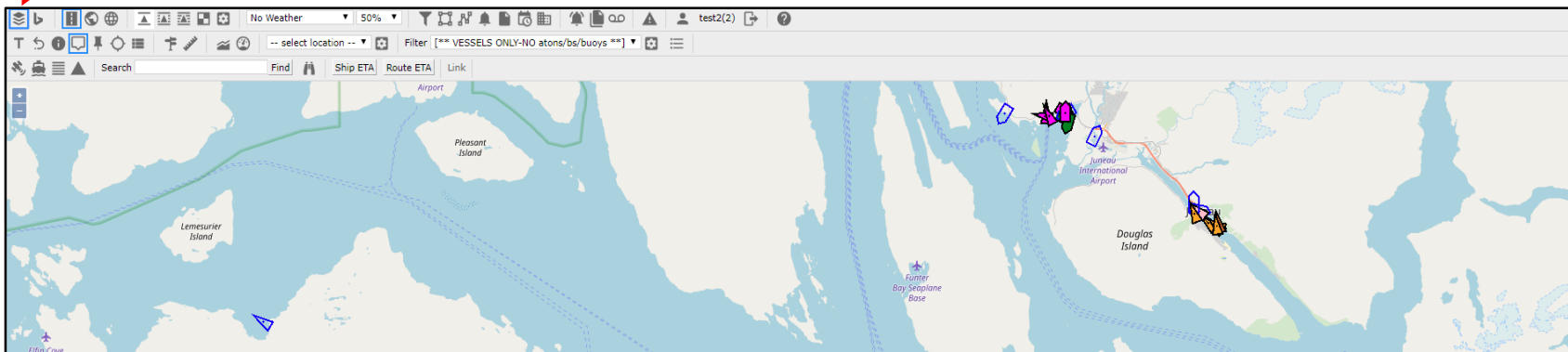




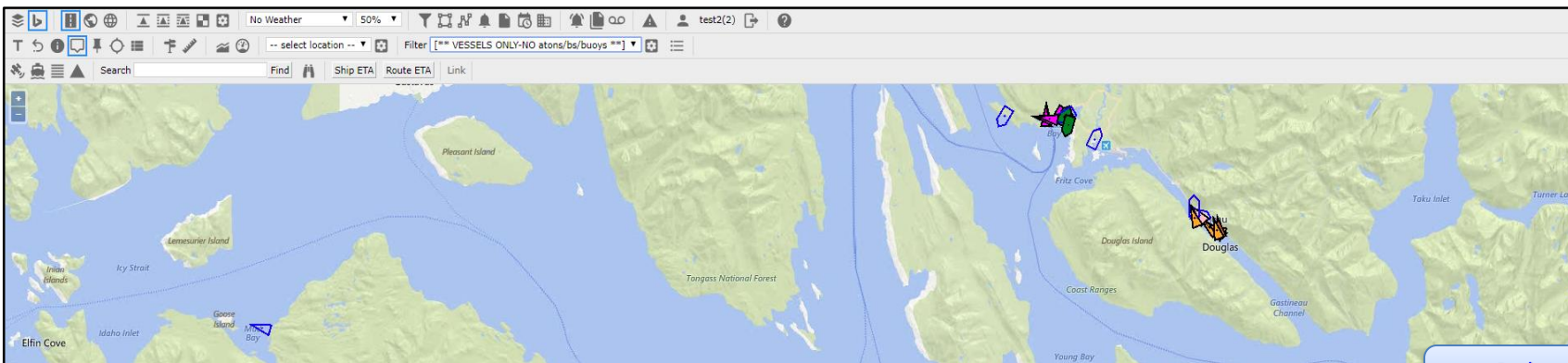
# Display Options: Open Street Maps and Bing Maps



## Open Street Maps:



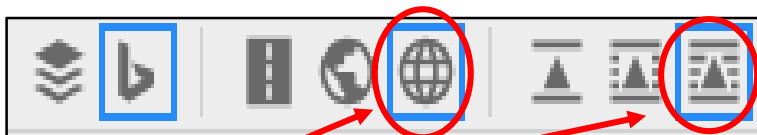
## Bing Maps:



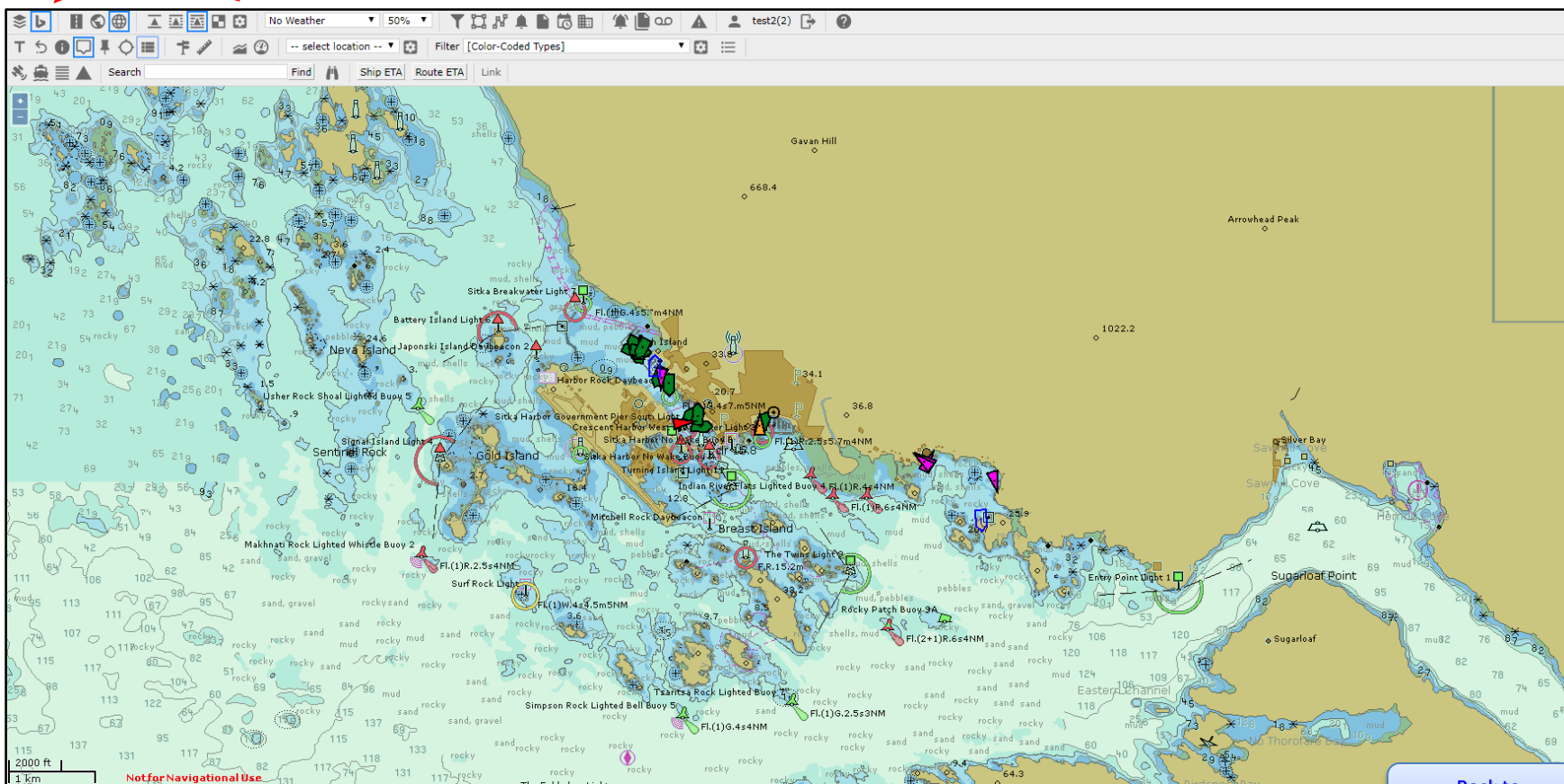
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# Display Options: Nautical Charts



Nautical chart displays, when available for a region, can be obtained by selecting the icons shown.



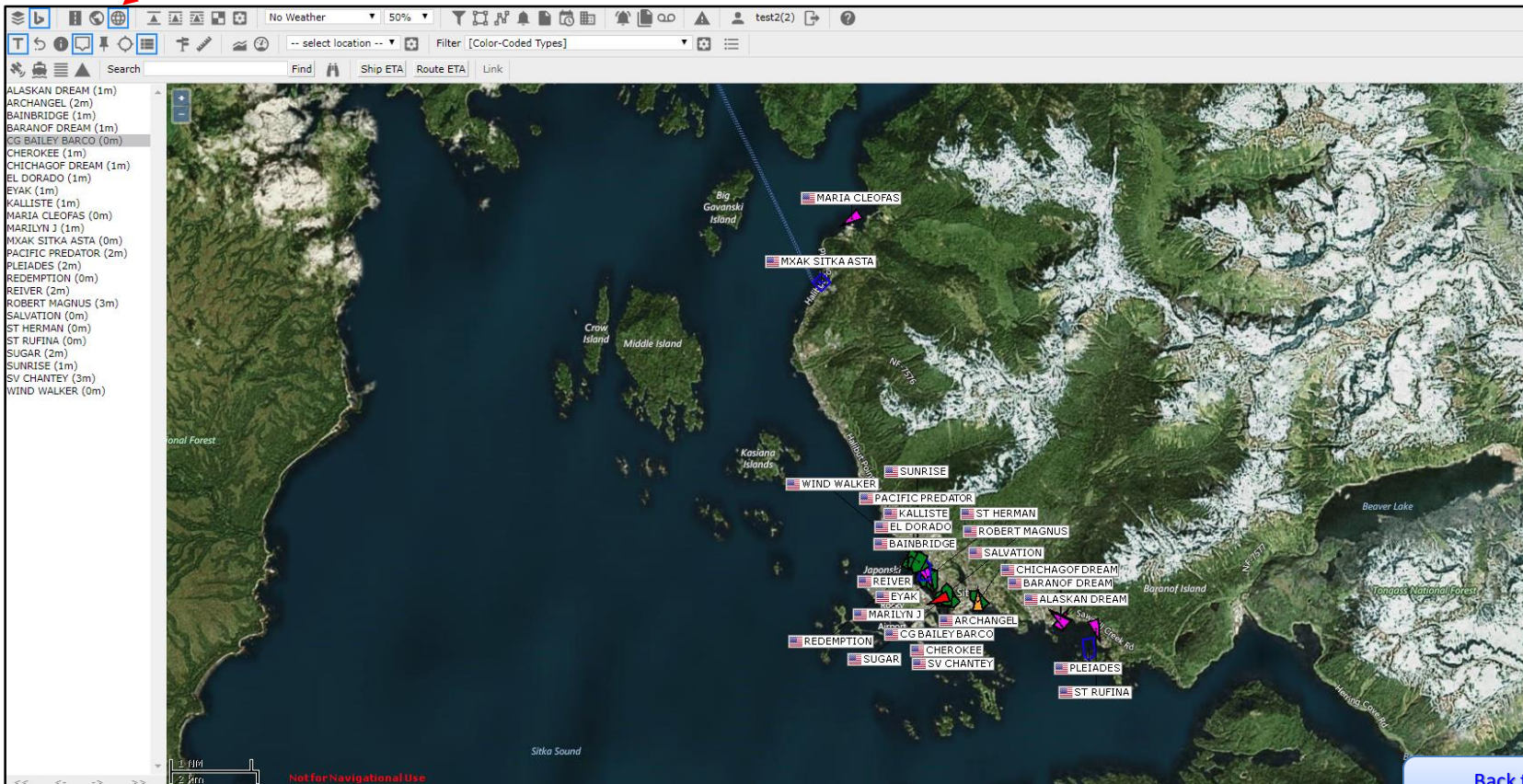
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## Display Options: Satellite Hybrid



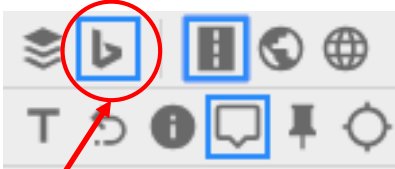
Satellite Hybrid can be obtained by selecting the icons shown.



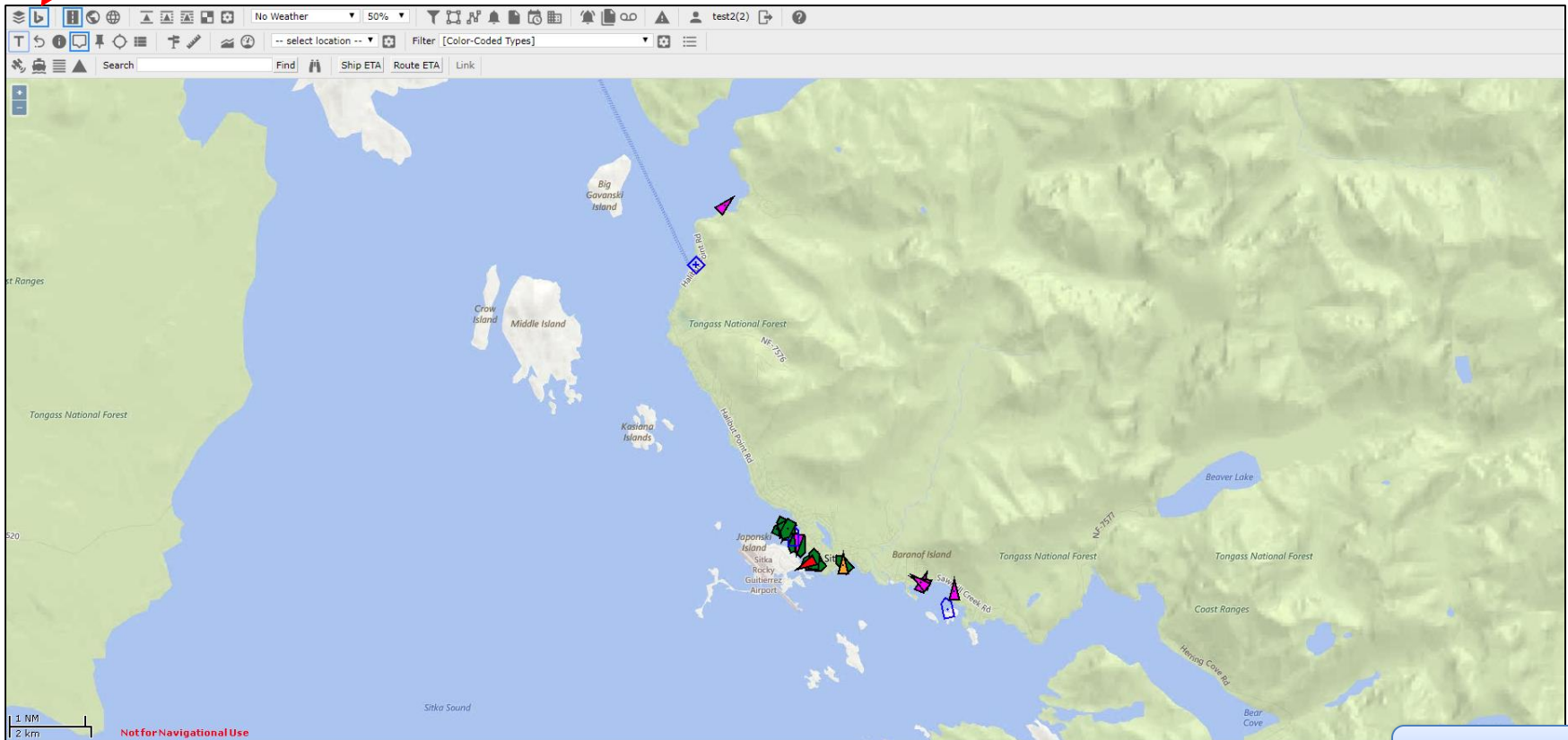
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## Display Options: Bing Maps



Bing Maps can be obtained by selecting the icon shown.



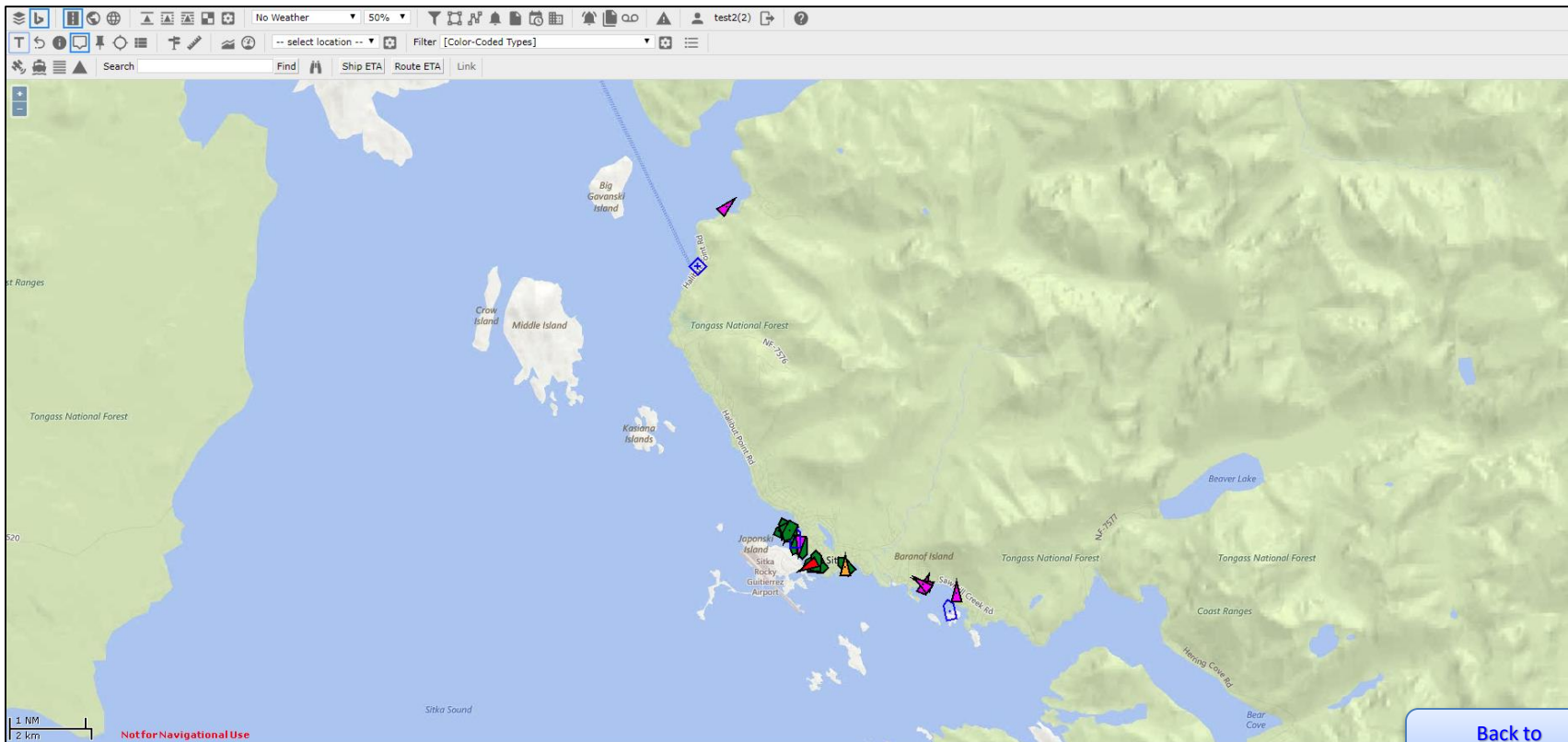
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## Selecting Display Area

There are several ways to move the location or region displayed on the screen:

1. Zooming in or out with the left scroll bar
2. Left clicking the cursor when on an area free of vessels and moving it to the desired location.
3. By selecting a pre-set location ([see next page](#))




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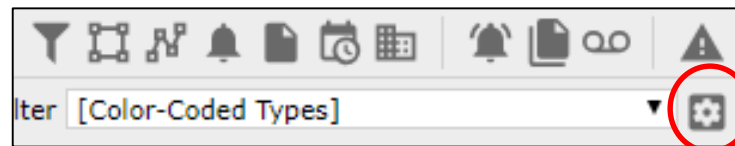




## Setting “Locations”

To establish **locations** that can be selected to quickly move the map to a previously specified region or port:

1. Move the map around and/or zoom in or out until the area you want to save is displayed
2. Select the  icon to the left of the **–select location–** pull down menu.  
The Locations pop up window will appear.
3. Type in a name for the selected region
4. Click the **Apply** button



**LOCATIONS**

Select Location: <New>

Location Name: Location2 Delete

Map Zoom: 7

Latitude: 57.7745175355962

Longitude: -154.193115234375

Filter Name: Color-Coded Types

Use current settings

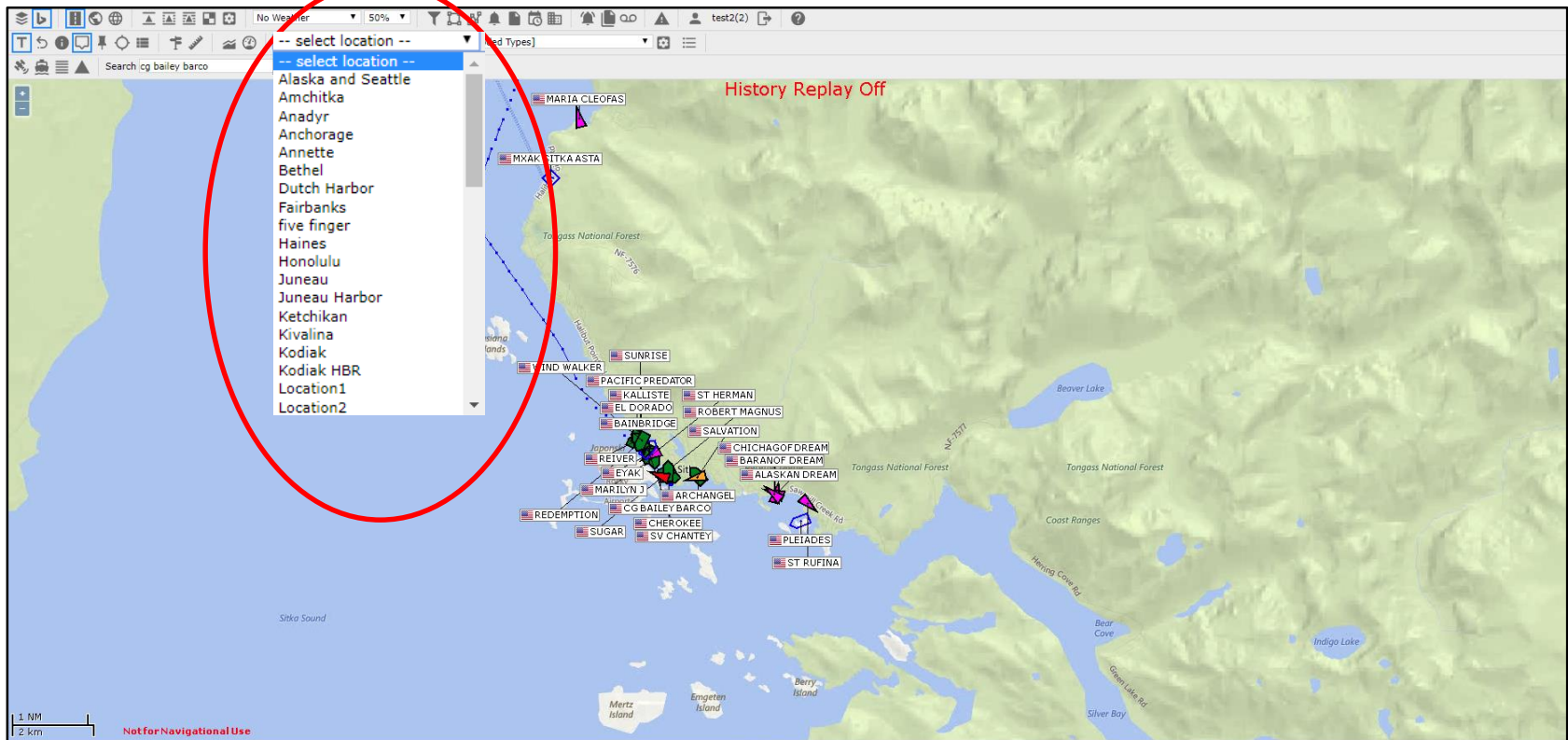
OK Cancel **Apply** Help

Type in name



## Selecting Location

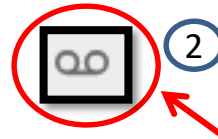
Once **locations** have been selected and saved, you can quickly move to different regions on the map by clicking on the arrow next to the **--select location--** space.






# View Vessel Track History

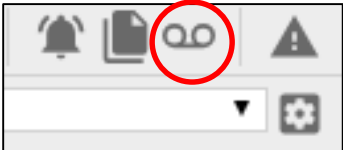
To view the path taken by a specific vessel:



- 1 Select the vessel icon, turning it red
- 2 Select the **History** icon 
- 3 Select date and time from which to start
- 4 Select the amount of time to precede the date and time above (the last 24 hours for example)
- 5 Select **Ship Path**



# Closing History Replay



To remove the “History Replay Off” label that appears above the map, return to the **history** icon and select “close”

The screenshot shows a web browser window displaying the VTS History Replay interface. The browser's address bar shows the URL [www.alaskaboats.org/VTS/Hi...](http://www.alaskaboats.org/VTS/Hi...). The interface includes a search bar with the text "cg bailey barco" and a "Find" button. Below the search bar is a "History Replay" panel with the following controls:

- Date: 4/18/2019 08:51
- Local: Select date and time
- UTC:
- Buttons: Auto, Manual, Stop
- Navigation controls: <-Y, <-M, <-D, <-H, <-10, <-1, <30s, <15s, <-5s, <-1s, Y->, M->, D->, H->, 10>, 1->, 30s>, 15s>, 5s->, 1s->
- Time Span: 1 Days
- Buttons: Ship Path, All Paths, Clear
- Buttons: Download Data, Close

The map displays a ship's path in blue, starting from Sitka and heading towards the coast. A red arrow points from the "Close" button in the history panel to the "History Replay Off" label on the map. The label "History Replay Off" is circled in red. The map also shows various geographical features like Big Govanski Island, Crow Island, Middle Island, Kasiana Islands, and Sitka. A scale bar at the bottom left indicates 1 NM and 2 km. A "Not for Navigational Use" warning is present at the bottom left.

Select Close

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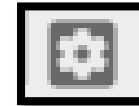


## Create a Filter

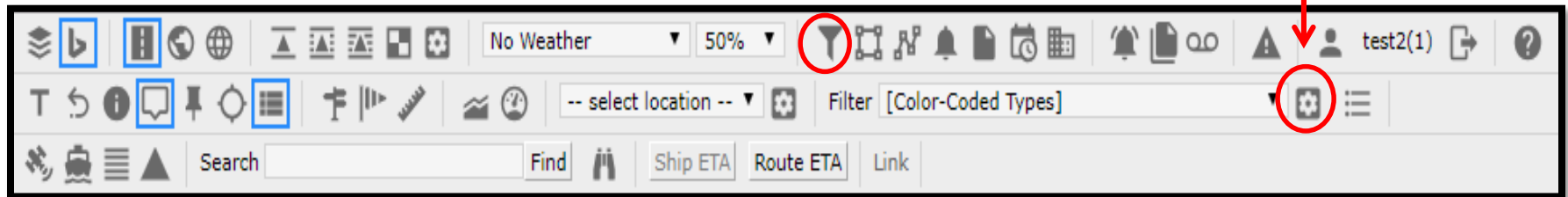
Select either of these buttons to enter “Edit” mode in Filter Designer



*Filter Designer* Button



*Edit Filter* Button





# Design a New Filter

**FILTERS**

Select Filter: <New>

Filter Name: Tugs

Enable	Group	MMSI	Name	Call Sign	Ship Type	AIS Type	Min Speed	Max Speed	Min Length	Max Length	Data Source	Min Age	Max Age	Show	Color	Border Color
<input checked="" type="checkbox"/>					Tug	All	0	0	0	0	All	0	0	<input checked="" type="checkbox"/>	Blue	Transparent
<input checked="" type="checkbox"/>					Towing	All	0	0	0	0	All	0	0	<input checked="" type="checkbox"/>	Green	Transparent
<input checked="" type="checkbox"/>		*			All	All	0	0	0	0	All	0	0	<input type="checkbox"/>	Transparent	Transparent
<input checked="" type="checkbox"/>					All	All	0	0	0	0	All	0	0	<input checked="" type="checkbox"/>	Transparent	Transparent
<input checked="" type="checkbox"/>					All	All	0	0	0	0	All	0	0	<input checked="" type="checkbox"/>	Transparent	Transparent
<input checked="" type="checkbox"/>					All	All	0	0	0	0	All	0	0	<input checked="" type="checkbox"/>	Transparent	Transparent
<input checked="" type="checkbox"/>					All	All	0	0	0	0	All	0	0	<input checked="" type="checkbox"/>	Transparent	Transparent
<input checked="" type="checkbox"/>					All	All	0	0	0	0	All	0	0	<input checked="" type="checkbox"/>	Transparent	Transparent

1. Select **<New>** and type in the name
2. Each line represents a condition within this filter. Fill out necessary information for each column. NOTE: Enter only one parameter: **MMSI**, **Name** or **Call Sign** per line.
3. The Filter Designer allows for either very specific or very broad filtering, input information based on personal need or filter preference
4. If needed, on the last line put an asterisk symbol ( \* ) in either **MMSI**, **Name** or **Call Sign** fields and uncheck “**Show**” to make all other vessels not specified in this filter invisible
5. If you run out of lines, click “**Apply**” and more lines will appear
6. Click **Apply** to save and continue working in window, or **OK** to save and automatically close Filter Designer window



# Create Groups

To design a group:

**FILTERS**

Select Filter: <New>

Filter Name: Tugs

Enable	Group	MMSI	Name	Call Sign	Ship Type	AIS Type	Min Speed	Max Speed	Min Length	Max Length	Data Source	Min Age	Max Age	Show	Color	Border Color
<input checked="" type="checkbox"/>					Tug	All	0	0	0	0	All	0	0	<input checked="" type="checkbox"/>	Blue	Transparent
<input checked="" type="checkbox"/>					Towing	All	0	0	0	0	All	0	0	<input checked="" type="checkbox"/>	Green	Transparent
<input checked="" type="checkbox"/>		*			All	All	0	0	0	0	All	0	0	<input type="checkbox"/>	Transparent	Transparent
<input checked="" type="checkbox"/>					All	All	0	0	0	0	All	0	0	<input checked="" type="checkbox"/>	Transparent	Transparent
<input checked="" type="checkbox"/>					All	All	0	0	0	0	All	0	0	<input checked="" type="checkbox"/>	Transparent	Transparent
<input checked="" type="checkbox"/>					All	All	0	0	0	0	All	0	0	<input checked="" type="checkbox"/>	Transparent	Transparent
<input checked="" type="checkbox"/>					All	All	0	0	0	0	All	0	0	<input checked="" type="checkbox"/>	Transparent	Transparent
<input checked="" type="checkbox"/>					All	All	0	0	0	0	All	0	0	<input checked="" type="checkbox"/>	Transparent	Transparent

Click on the **Groups** button within the Filter Designer window



## Create Groups

### GROUPS

Select Group: <New>

Group Name: BMI Vessels

Enable	MMSI	Name	Call Sign	Ship Type	AIS Type	Min Speed	Max Speed	Min Length	Max Length	Data Source	Min Age	Max Age
<input checked="" type="checkbox"/>		BRITTANY		All <input type="button" value="v"/>	All <input type="button" value="v"/>	0	0	0	0	All <input type="button" value="v"/>	0	0
<input checked="" type="checkbox"/>		ANNA		All <input type="button" value="v"/>	All <input type="button" value="v"/>	0	0	0	0	All <input type="button" value="v"/>	0	0
<input checked="" type="checkbox"/>		EDWARDO		All <input type="button" value="v"/>	All <input type="button" value="v"/>	0	0	0	0	All <input type="button" value="v"/>	0	0
<input checked="" type="checkbox"/>				All <input type="button" value="v"/>	All <input type="button" value="v"/>	0	0	0	0	All <input type="button" value="v"/>	0	0
<input checked="" type="checkbox"/>				All <input type="button" value="v"/>	All <input type="button" value="v"/>	0	0	0	0	All <input type="button" value="v"/>	0	0
<input checked="" type="checkbox"/>				All <input type="button" value="v"/>	All <input type="button" value="v"/>	0	0	0	0	All <input type="button" value="v"/>	0	0
<input checked="" type="checkbox"/>				All <input type="button" value="v"/>	All <input type="button" value="v"/>	0	0	0	0	All <input type="button" value="v"/>	0	0
<input checked="" type="checkbox"/>				All <input type="button" value="v"/>	All <input type="button" value="v"/>	0	0	0	0	All <input type="button" value="v"/>	0	0

OK Cancel Apply Help


1. Select **<New>** and type in new group name
2. Fill out information as needed per vessel
3. Enter only one parameter: **MMSI**, **Name** or **Call Sign** per line
4. If needed, on the last line use an asterisk the same way as in Filter Designer
5. Click **Apply** to save and continue working in window, or **OK** to save and return to Filter Designer

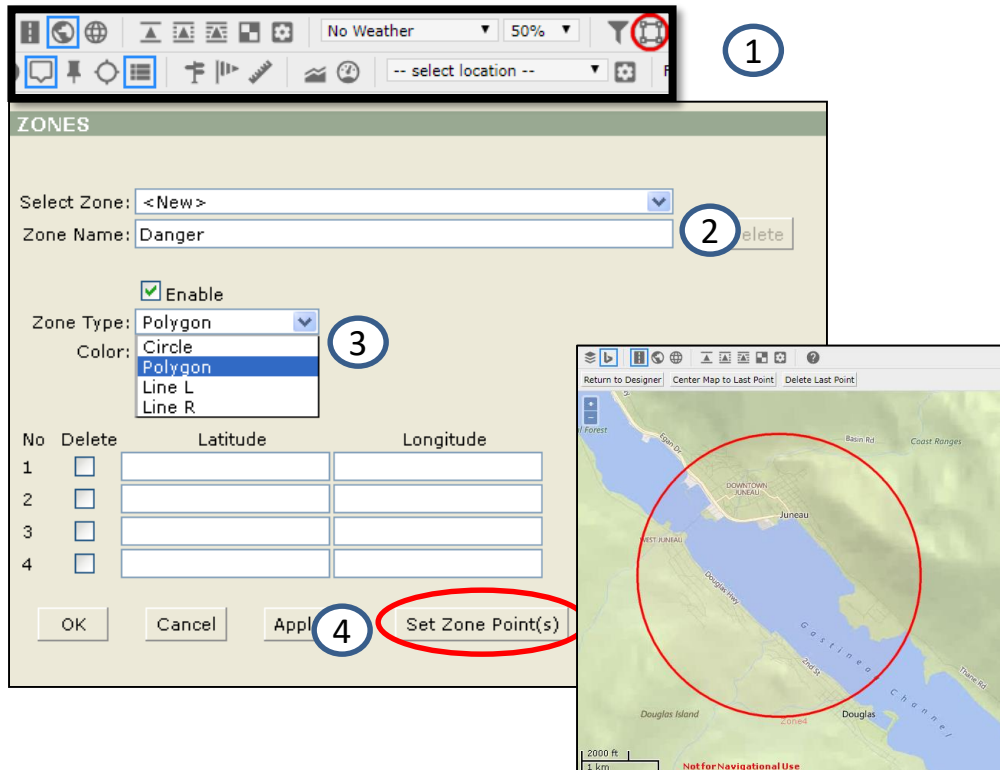
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# Create Zones

**Zones**  are a similar concept to **Areas**, but more specific and designated by longitude and latitude measurements. **Zones** also serve as the basis for **Reports** and **Alarms**.



**1** Move the map to the area of the desired Zone and Select Edit Zone icon

**2** Name Zone and make sure “Enable” is selected

**3** Choose Zone Type, for example, “Polygon” (for more on Zone Type [see next page](#)) and Color.

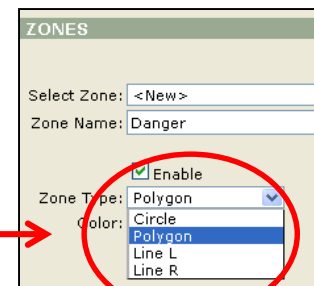
**4** Click on **Set Zone Point(s)**. This will open a new window showing the map.

**5** Use the mouse to click on the map to create “points” which will be automatically linked together by a line segment. When you have designated your desired Zone, click **Return to Designer**. The longitude and latitude measurements of your points will have been automatically inputted. Click **OK** to exit, or **Apply** to save changes and continue editing.

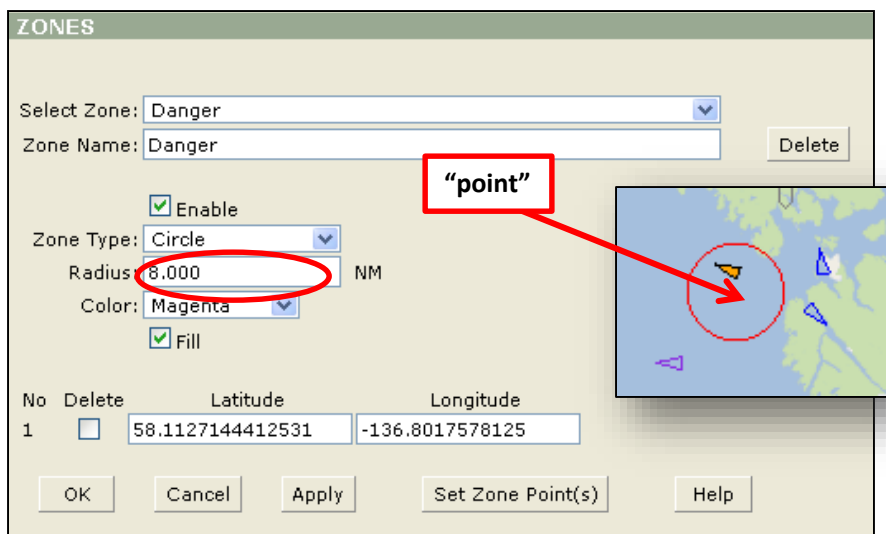


# Zone Types

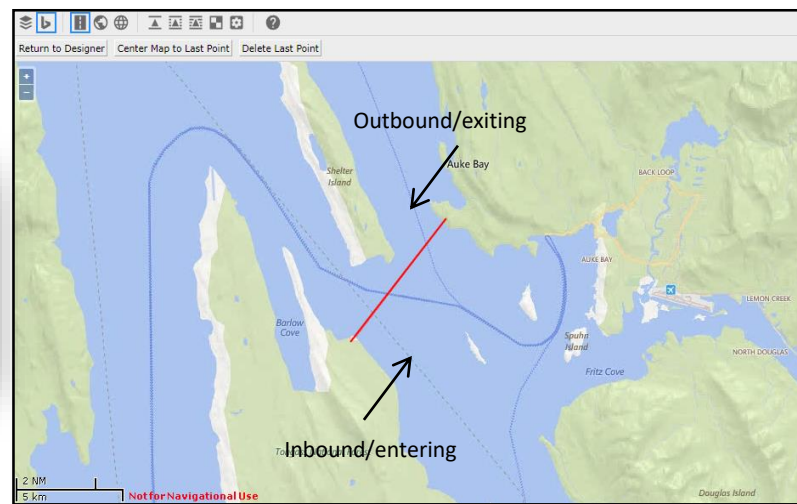
In addition to the “Polygon” Zone Type, there is also “Circle,” “Line L,” and “Line R.”



“Circle” Zone Type:



“Line L” Zone Type:



The “**Circle**” Zone Type uses only one “point” and creates a circle around it using a radius you input in nautical miles. The “**Line L**” and “**Line R**” Zone Types function a little differently than the “Polygon” and the “Circle.” The Lines use the same basic principle of clicking on “points” to create a Zone, but have the added function of determining whether a vessel is entering or exiting it. Line L marks inbound (entering) traffic as any vessel crossing the Zone line from the left and outbound (exiting) traffic as anything crossing from the right. Similarly, Line R marks inbound/entering traffic as anything crossing the Zone line from the right and vessels crossing from the left as outbound/exiting.

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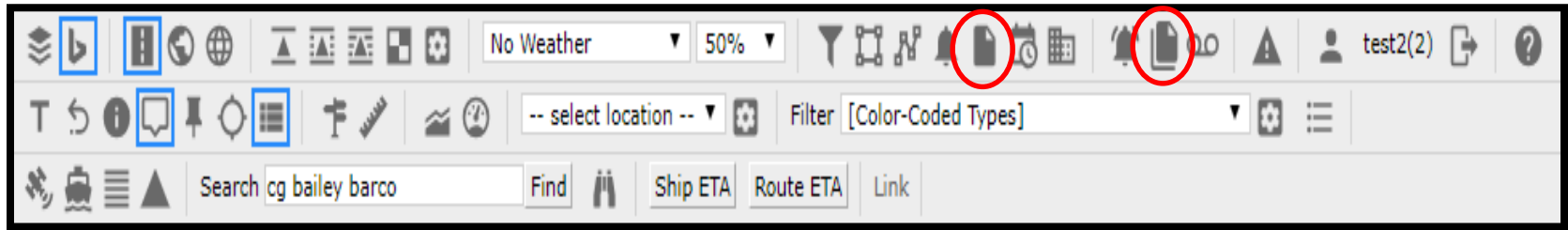


# Reports

**Reports** are a useful tool. Once Zones and Filters have been built, you can run reports on events such as arrivals/departures, speed summaries, berth time summaries, etc. To begin building a report, click on Report Designer . If you have already built a report, click the Run Report button .

 *Report Designer*






 *Run Report*






# Create Reports

To Create a report:


1. Click the **Report Designer** button  on the toolbar. 
2. Select <New> from the Select Report pull down menu 
3. Name your report. Make sure "Enable" is checked 
4. Choose which type of report to create.
5. Choose the time period, Zone and Filter.
6. Select **OK** to save and close the window or **Apply** to save and continue to edit.
7. Click the **Test** button to see what your report will look like when run 


**REPORTS**









Select Report: <New > 

Report Name: Morning

Enable

Report Type: Zone Summary 

Time Period: 12 Hours 

Enable	Zone	Filter
<input checked="" type="checkbox"/>	Danger 	Tankers 
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		


Remember if you make any changes to the report, you must save it before testing.

Morning  
7/16/2012 3:58 AM - 7/16/2012 3:58 PM | 7/16/2012 11:58 AM UTC - 7/16/2012 11:58 PM UTC |  
Danger

Name	MMSI	IMO	Call Sign	Type	First Seen Inside	Last Seen Inside	Time In Zone	Destination	ETA
ALASKA QUEST	367445570		WDF3915	Pleasure	7/16/2012 11:59:00 AM	7/16/2012 11:57:00 PM	11h 58m		
BETTY JOE	367424180		WDF2043	Pleasure	7/16/2012 8:21:00 PM	7/16/2012 8:22:00 PM	1m		
CCGS BARTLETT	316182000	7006778	CGDR	n/a	7/16/2012 12:00:00 PM	7/16/2012 11:57:00 PM	11h 57m	JUNEAU AK	7/15/2012 2:00:00 PM
CELEBRITY INFINITY	249048000	9189421	9HLD9	Passenger ship	7/16/2012 8:47:00 PM	7/16/2012 11:56:00 PM	3h 9m	TRACY ARM FJORD	7/16/2012 1:30:00 PM
CG ANTHONY PETIT	366969000	9177260	NERW	Military op.	7/16/2012 12:00:00 PM	7/16/2012 11:55:00 PM	11h 55m		
CG MAPLE	368957000		NWBE	Military op.	7/16/2012 11:59:00 AM	7/16/2012 11:56:00 PM	11h 57m		
CG SPAR	368956000		NJAR	Military op.	7/16/2012 7:53:00 PM	7/16/2012 11:48:00 PM	3h 55m		
CGCHENRY BLAKE	338922000			Military op.	7/16/2012 12:00:00 PM	7/16/2012 3:09:00 PM	3h 9m		
COLUMBIA	367144000	0732009	WYR2092	Passenger ship	7/16/2012 11:59:00 AM	7/16/2012 12:06:00 PM	7m	HAINES	7/17/2012 3:00:00 AM
CRANE	367122990		WDD3038	Fishing	7/16/2012 2:26:00 PM	7/16/2012 11:58:00 PM	9h 6m		
FV OMYHEE	367186240	0583648	WB6029	Fishing	7/16/2012 11:59:00 AM	7/16/2012 11:58:00 PM	11h 59m	KASNYKU BAY	
FERIA	244620447		PC5506	n/a	7/16/2012 5:32:00 PM	7/16/2012 8:33:00 PM	2h 52m	HOME	
GENE DUNLAP	367472000	7227358	WAS2433	Towing	7/16/2012 11:59:00 AM	7/16/2012 11:58:00 PM	11h 59m	KETCHIKAN	7/14/2012 9:00:00 PM
GOLDEN PRINCESS	310344000	9192361	ZCDA9	Passenger ship	7/16/2012 6:46:00 PM	7/16/2012 11:58:00 PM	5h 12m	DEPARTURE	7/17/2012 6:00:00 AM
KODIAK KING	367190470	899170000	WDD7734	Tug	7/16/2012 11:59:00 AM	7/16/2012 11:58:00 PM	11h 59m	JUNEAU	4/28/2012 6:00:00 PM
MARIAH	366870020		WDA9895	Pleasure	7/16/2012 12:00:00 PM	7/16/2012 11:57:00 PM	11h 57m		
MV ZUIDERDAM	245304000	9221279	PBIG	Passenger ship	7/16/2012 8:00:00 PM	7/16/2012 11:56:00 PM	3h 56m	JUNEAU	7/17/2012 9:00:00 PM
OTTER	367159670		WDD5528	Towing	7/16/2012 11:59:00 AM	7/16/2012 11:58:00 PM	11h 59m	JUNEAU	1/6/2012 3:30:00 PM
PACIFIC TITAN	338955000	0000001	WC2644	Towing len.>200m/bread.>25m	7/16/2012 11:59:00 AM	7/16/2012 8:50:00 PM	8h 36m	BERNERS BAY AK	7/16/2012 4:00:00 PM
SAFARI EXPLORER	366339000		WCY5674	Passenger ship	7/16/2012 12:01:00 PM	7/16/2012 11:58:00 PM	11h 57m	JUNEAU	
SOUTHEAST PROVIDER	111000029	962741795		n/a	7/16/2012 1:40:00 PM	7/16/2012 7:50:00 PM	6h 10m		
VAGGIO	367452580		WDF4496	Pleasure	7/16/2012 12:01:00 PM	7/16/2012 11:58:00 PM	11h 57m		
WESTERDAM	244128000	9226891	PINK	Passenger ship	7/16/2012 7:36:00 PM	7/16/2012 11:56:00 PM	4h 20m	JUNEAU	7/16/2012 9:00:00 PM
WILD BLUE	367326240		WBAAZ	Pleasure	7/16/2012 12:00:00 PM	7/16/2012 11:56:00 PM	11h 56m		

Total unique ships



Total	Tugs	Pass	Cargo	Tankers	Others	Unknown	>>>	Dang A	Dang B	Dang C	Dang D
24	1	6			17						

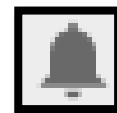
By selecting **Test** or by running a report by clicking the **Run Reports** button  on the toolbar and

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# Alarms

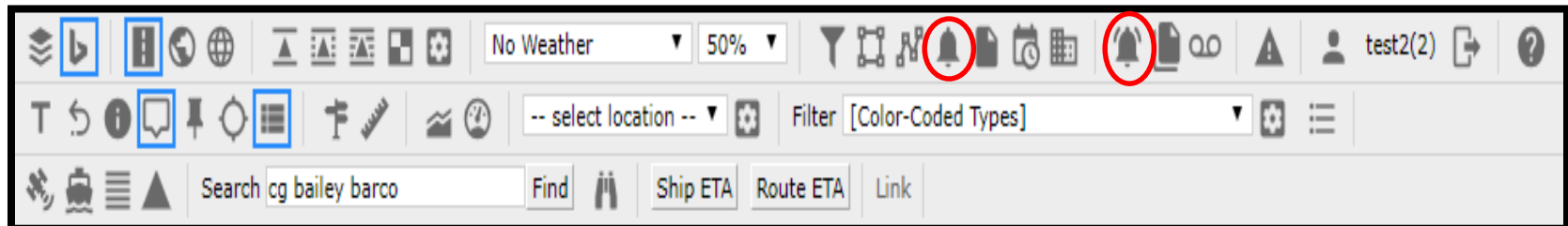
**Alarms** are a useful function to notify you of goings on such as vessels entering a restricted or dangerous zone, going too fast, etc. This is a brief overview of the **Alarm** function. For more in depth information [click here](#). The two icons which relate to Alarms are the Alarm Designer  and the Events Window .



*Alarm  
Designer*



*Events  
Window*





# Create Alarm

**ALARMS**

Select Alarm:

Alarm Name:  2

Enable

Alarm Priority:  If priority is "High" or "Middle", the Alarm Events window will pop-up.

Message:

Color:

Repeat Interval:  minute(s)

Logical Operator:  Logical operator applies to the results of row conditions.

Enable	Zone	Filter	Condition 1	Condition 2	Min	Max
<input checked="" type="checkbox"/>	Entry Area Alarm - Prince William Sound	Tugs	On Enter/Exit	Speed (knots)	<input type="text" value="0"/>	<input type="text" value="10"/>
<input checked="" type="checkbox"/>					<input type="text" value="0"/>	<input type="text" value="0"/>
<input checked="" type="checkbox"/>					<input type="text" value="0"/>	<input type="text" value="0"/>
<input checked="" type="checkbox"/>					<input type="text" value="0"/>	<input type="text" value="0"/>
<input checked="" type="checkbox"/>					<input type="text" value="0"/>	<input type="text" value="0"/>

Do not show in Alarm Events Window 4

Send AIS Safety Message

AIS Message:

Send Email

Email Address:   
[To send an SMS use the phone's email address](#)

Send Delay (min) HTTP(http://) Or File(file://) Command

<input checked="" type="checkbox"/>	<input type="text" value="0"/>	<input type="text"/>
<input checked="" type="checkbox"/>	<input type="text" value="0"/>	<input type="text"/>
<input checked="" type="checkbox"/>	<input type="text" value="0"/>	<input type="text"/>
<input checked="" type="checkbox"/>	<input type="text" value="0"/>	<input type="text"/>

5

1 To create an **Alarm**, click the **Alarm Designer** icon  in the toolbar.

2 Name the **Alarm**, make sure **Enable** is checked, choose a priority level and write a message.

3 Select a **Zone**, **Filter** and **Conditions**


4 You can choose to send an **AIS Safety Message** to the vessel itself, and/or to send an email or text a phone number.

5 Click **OK** to save and exit, or **Apply** to save and continue editing.

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## View Alarms

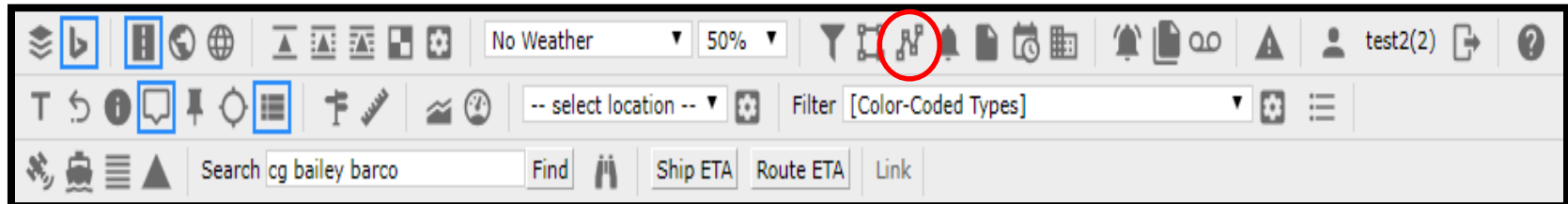
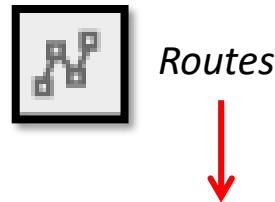
To view alarms that have gone off in the past, click the **View Alarms** icon  in the tool bar. Select which alarms to show in the **Show** menu, what time interval and how often to refresh the screen. Click **Apply** to see the results.

Hide	Time	Level	Condition	Msg	MMSI	Name	Call Sign	Latitude	Longitude	Speed	Course
<input checked="" type="checkbox"/>	4/16/2007 12:23:47 PM	Middle	On Enter	Delta Port Alarm	316001253	QUEEN OF ESQUIMALT	CYJC	49° 00.245'N	123° 17.003'W	17.0	113.00
<input checked="" type="checkbox"/>	4/16/2007 12:09:21 PM	Middle	On Enter	Delta Port Alarm	316001269	SPIRIT OF VI	CFL2070	48° 55.865'N	123° 13.440'W	19.5	43.00
<input checked="" type="checkbox"/>	4/16/2007 11:02:03 AM	Middle	On Enter	Delta Port Alarm	338055683			48° 57.941'N	123° 04.770'W	9.0	262.00



# Routes

The Routes function  is a way to gain Estimated Time of Arrival (ETA) information for vessels headed to a previously designated waypoint.







# Routes

**ROUTES**

Select Route: <New>


Route Name: Sixty Six **2**

Enable

Color: Lime

No	Delete	Latitude	Longitude	Show
1	<input type="checkbox"/>			<input checked="" type="checkbox"/>
2	<input type="checkbox"/>			<input checked="" type="checkbox"/>
3	<input type="checkbox"/>			<input checked="" type="checkbox"/>
4	<input type="checkbox"/>			<input checked="" type="checkbox"/>

OK Cancel **Apply** **3** **Set Route Points**



Select Route: Route1

Route Name: Sixty Six Delete

Enable

Color: Lime

No	Delete	Latitude	Longitude	Show	Waypoint Name
1	<input type="checkbox"/>	58.3811985205626	-134.682769775391	<input checked="" type="checkbox"/>	Auke Bay
2	<input type="checkbox"/>	58.3441006295566	-134.682769775391	<input checked="" type="checkbox"/>	Waypoint 2 <b>5</b>
3	<input type="checkbox"/>	58.3199480578108	-134.736328125	<input checked="" type="checkbox"/>	Waypoint 3
4	<input type="checkbox"/>	58.3729179062078	-134.8681640625	<input checked="" type="checkbox"/>	Waypoint 4
5	<input type="checkbox"/>	58.4261678848373	-134.925842285156	<input checked="" type="checkbox"/>	Waypoint 5
6	<input type="checkbox"/>	58.4250892920349	-134.973907470703	<input checked="" type="checkbox"/>	Waypoint 6
7	<input type="checkbox"/>	58.3599530424397	-134.995880126953	<input checked="" type="checkbox"/>	Waypoint 7
8	<input type="checkbox"/>	58.29289201295	-134.990386962891	<input checked="" type="checkbox"/>	Waypoint 8
9	<input type="checkbox"/>	58.1663566557589	-134.982147216797	<input checked="" type="checkbox"/>	Waypoint 9
10	<input type="checkbox"/>	58.2047264340133	-135.271911621094	<input checked="" type="checkbox"/>	Waypoint 10
11	<input type="checkbox"/>	58.2683433098851	-135.388641357422	<input checked="" type="checkbox"/>	Waypoint 11
12	<input type="checkbox"/>	58.3649954998101	-135.440826416016	<input checked="" type="checkbox"/>	Waypoint 12
13	<input type="checkbox"/>	58.4038702520868	-135.449066162109	<input checked="" type="checkbox"/>	Waypoint 13
14	<input type="checkbox"/>	58.4290439707963	-135.460052490234	<input checked="" type="checkbox"/>	Waypoint 14
15	<input type="checkbox"/>	58.4470141861095	-135.475158691406	<input checked="" type="checkbox"/>	Excursion Inlet
16	<input type="checkbox"/>			<input checked="" type="checkbox"/>	
17	<input type="checkbox"/>			<input checked="" type="checkbox"/>	
18	<input type="checkbox"/>			<input checked="" type="checkbox"/>	
19	<input type="checkbox"/>			<input checked="" type="checkbox"/>	

OK **6** Apply Set Route Points Help

1 Click on the Routes icon 

2 Select <New>, name **Route**, make sure **Enable** is checked. Choose color.

3 Click on **Set Route Points**. This will take you to a window with a map in it.

4 To designate waypoints, click on each desired point, and a number will appear in red. When you are finished designating the route (via waypoints), click **Return to Designer**.

5 When you return to the **Route Designer**, the latitude and longitude measurements of each waypoint will be visible. Name the waypoints if desired.

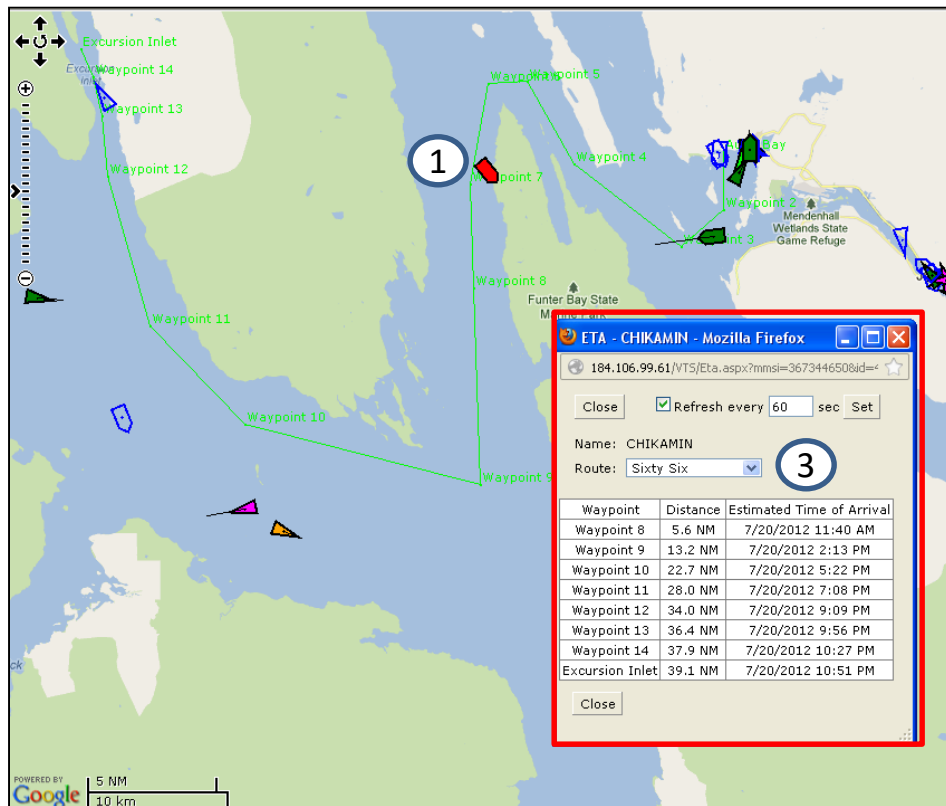
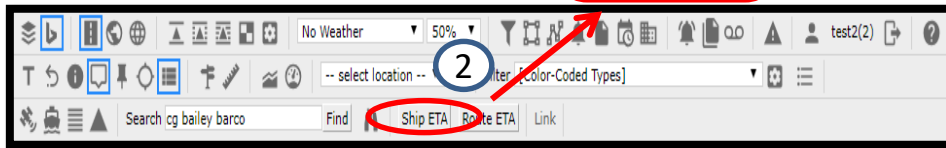
6 Select **OK** to exit, or **Apply** to save and continue editing.

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# Ship ETA

Ship ETA



Once a route has been saved, it will appear on the main screen in whatever color designated. In this case, the route appears in lime green.

- 1 Select a vessel you want arrival information on.
- 2 Click on Show ETA. A window will pop up on top of the normal display.
- 3 Select Route.

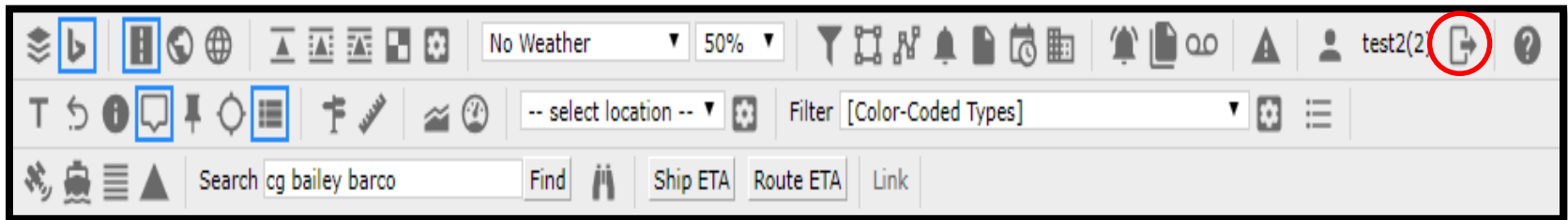
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# Logging Off

To end a session in PacTracs, click on the  icon.

**NOTE:** The next session will begin with the same location, filters, and options as the last.





# Additional Features

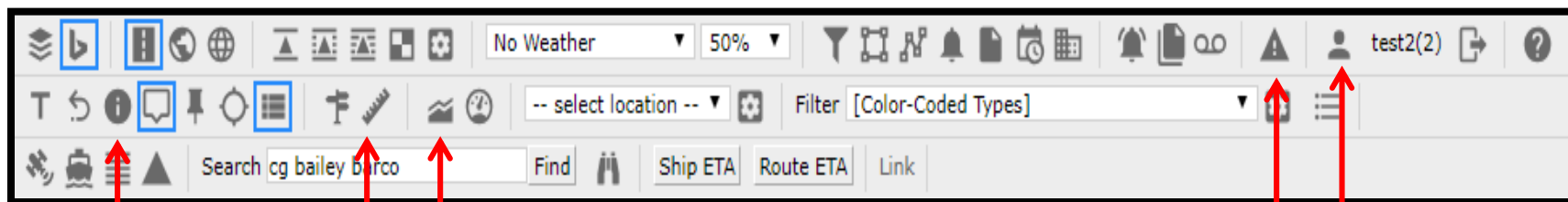
Navigational  
Chart Cells



Weather Overlay



Alarms



Vessel  
Info

Measuring  
Distance

Show Tide and  
Current Predictions

Show  
Information For  
All AIS Vessels

Emergency  
and  
Incident  
Command  
Support

User  
Info

To learn more about these features, click the **Help** icon in PacTracs or [click here](#).

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## Need More Help?

This concludes the **PacTracs Quick Start Guide**. If you have a question or issue that was not resolved by this or the [Help](#) menu, please call the Marine Exchange's 24/7 Operations Center for assistance.

**907-463-3064**

