



Navigating to a Target

By Caryn Zacharias

Targets are used for a variety of reasons. Some users have a list of targets to investigate with additional sonar collection, collect bottom samples, etc. Whatever the use, some users might need to navigate to these targets. This article will explain a couple of ways I like to do this.

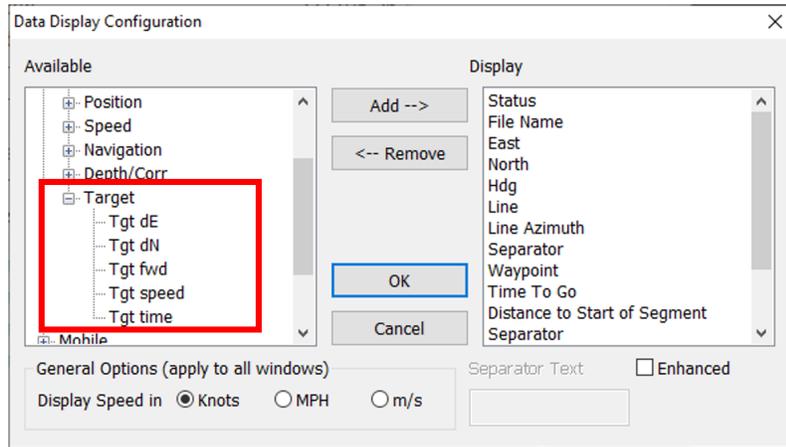
Use the Data Display

Target Information in the Data Display

The screenshot shows the HYPACK software interface. The main window is titled 'Survey' and contains a map area with two targets. Target 1 is a grey circle with a crosshair, and Target 2 is a red circle with a triangle. The 'Data Display(1)' window is open on the right, showing various data fields. The 'Tgt name', 'Tgt bearing', 'Tgt dist', and 'Tgt stbd' fields are highlighted with a red box.

Field	Value
Status	NOT LOGGING
File Name	
East	1793141.42
North	237705.26
Hdg	37.00°
Line	
Line Azimuth	
Waypoint	
Time To Go	
Distance to Start of Segment	
Tgt name	2
Tgt bearing	37.36
Tgt dist	309.154 ft
Tgt stbd	1.92

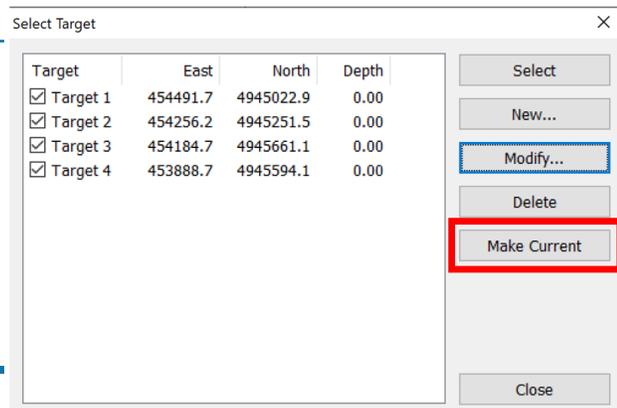
1. **Add Target information** such as Target Distance and Target Bearing.
 - a. **Open the Data Display Configuration window.** Click Configure in Data Display menu.
 - b. **Expand 'Target'** in the Available items tree.
 - c. **Select an available option on the left and then click [Add -->].**



2. **Select the Target in Survey:** Right-click on the target in the map window and choose “Select” or go to the menu bar and select TARGET–SELECT.

Selecting the Current Target

3. In the new window, select the target and click “Make Current”.

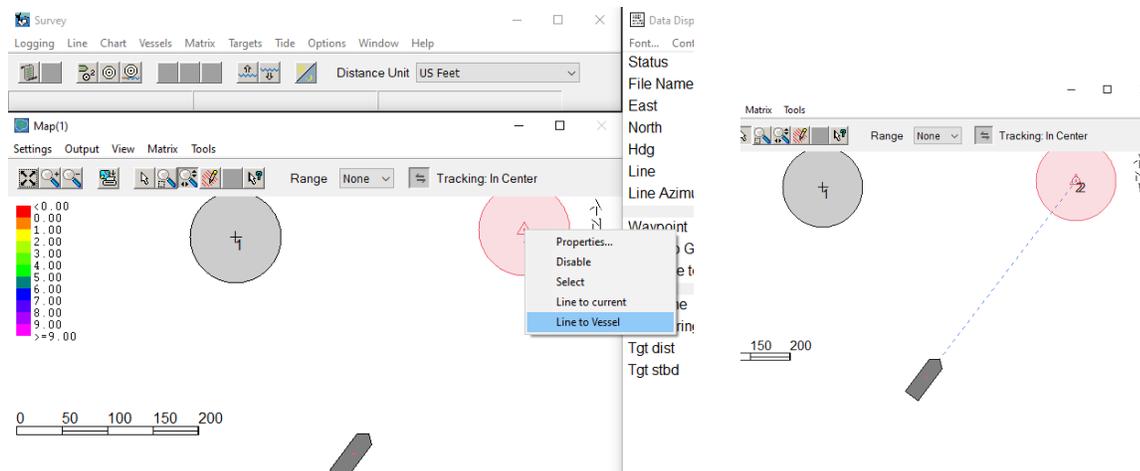


USE THE L/R INDICATOR

The L/R Indicator requires a line file so it knows how far you are off the selected line.

1. **Create lines on the fly in Survey mode using your Targets:** Right-click on the target and select “Line to Vessel” (image 4). You will now have a line from the vessel to the target (image 5).

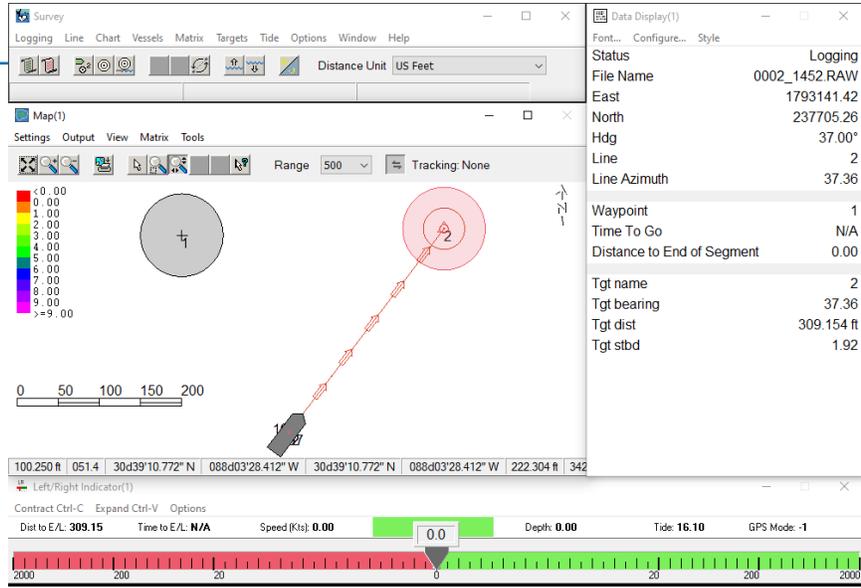
Image 4 (left) Creating a Line from the Selected Target to the Vessel, Image 5 (right) Resulting Line



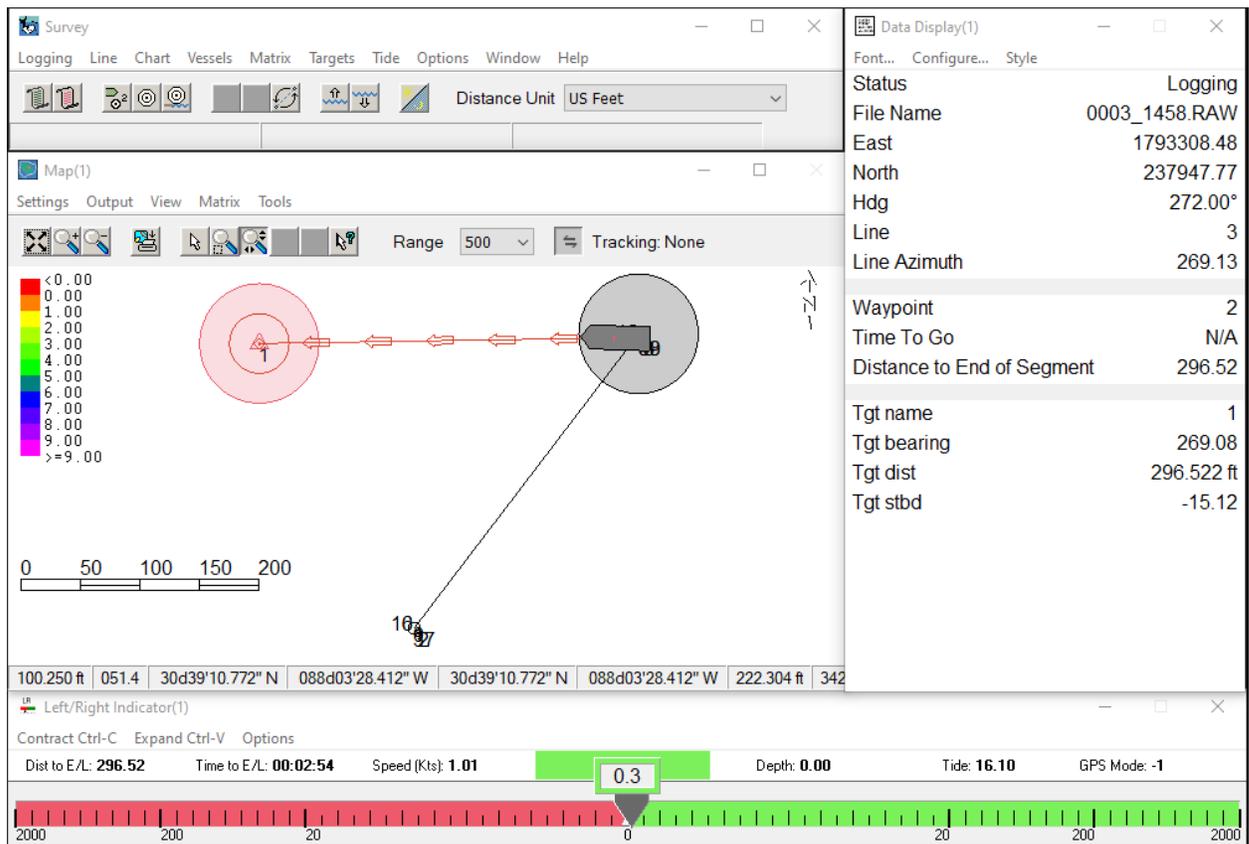
2. **Select the new line and follow the L/R Indicator (image 6):** Right-click on the new line and choose the Select option from the pop-up menu.

Image 6: Selecting the New Survey Line

After navigating to the first target, when you are ready to move to the next one, you can create a line to the next target using 'Line to current' or 'Line to Vessel', or select the next target and follow the target distance and bearing listed in the Data Display window.



Navigating to the Next Target



Hope this helps!

As always if you need any other assistance, please reach out to help@hypack.com.