

Distance Tool

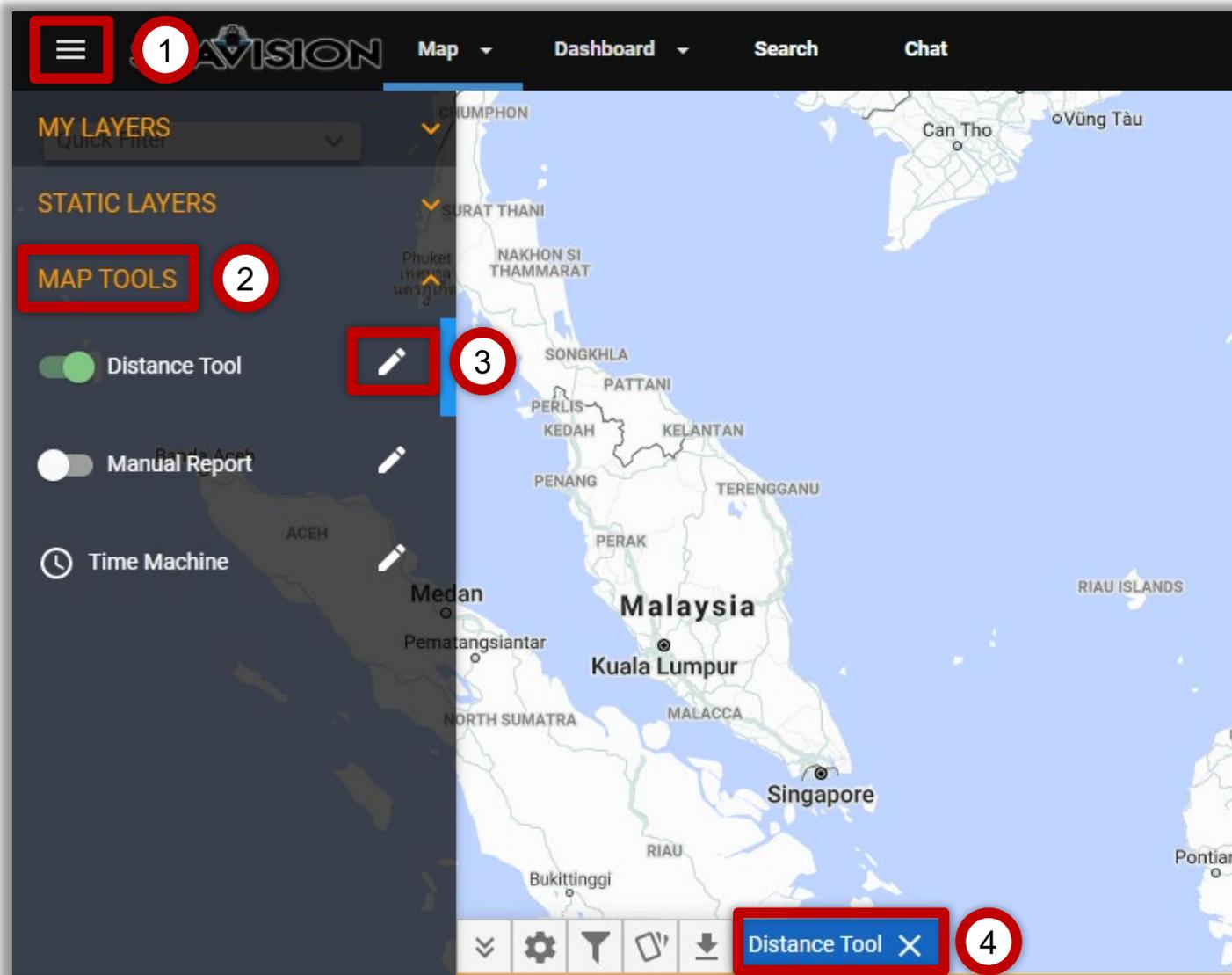
Learning Objectives

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

- Access the Distance Tool
- Explain the features of the Distance Tool
- Create segments and paths
- Understand distance measurements obtained using the Distance Tool
- Edit segments and paths

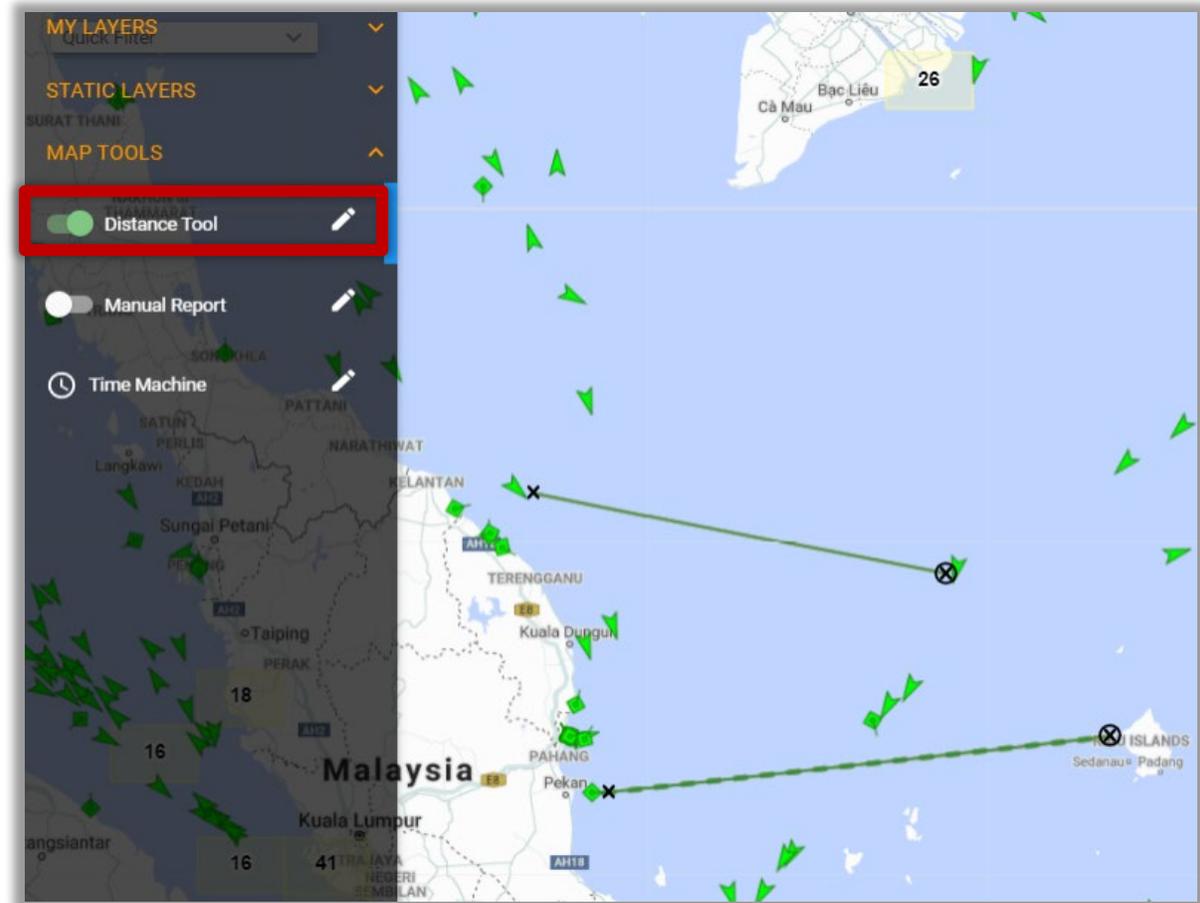
Accessing the Distance Tool

1. Main Menu
2. Map Tools
3. Distance Tool
4. Distance Tool tab



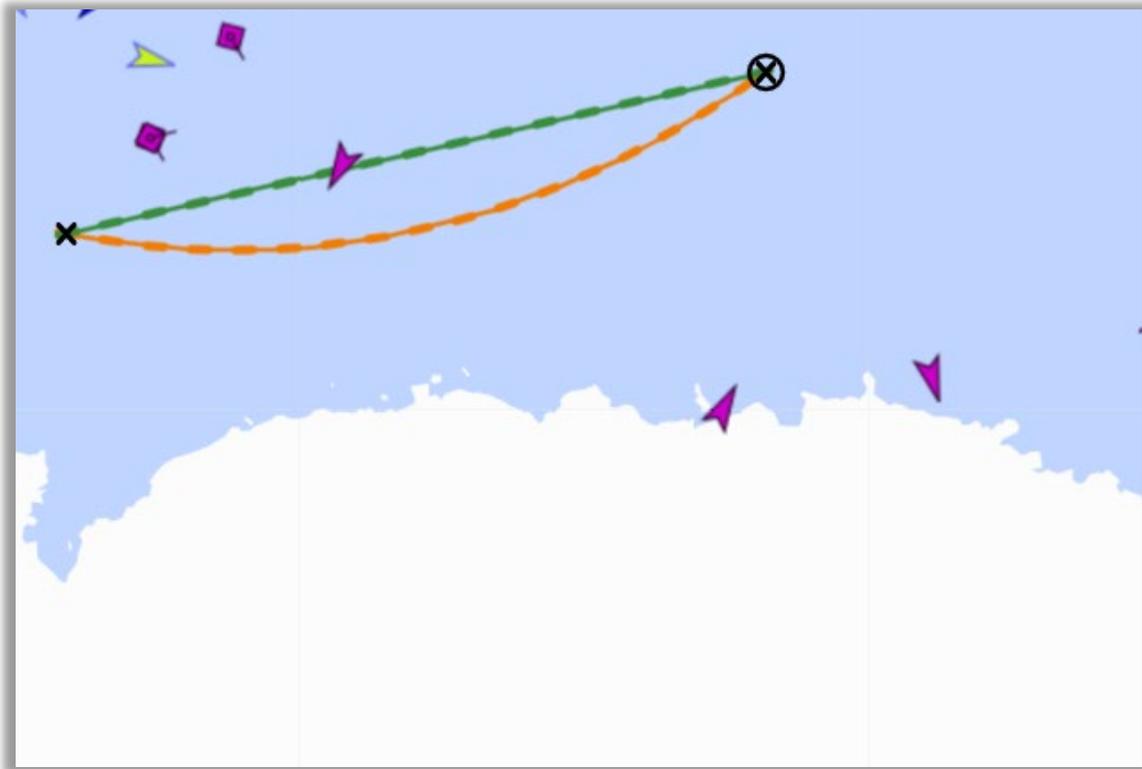
Distance Tool Features

- Determines the bearing/azimuth between two points
- Determines the length/range between two or more points
- Units of measurement can be set by the user
 - Meters
 - Nautical Miles
 - Kilometers
 - Miles
 - Feet



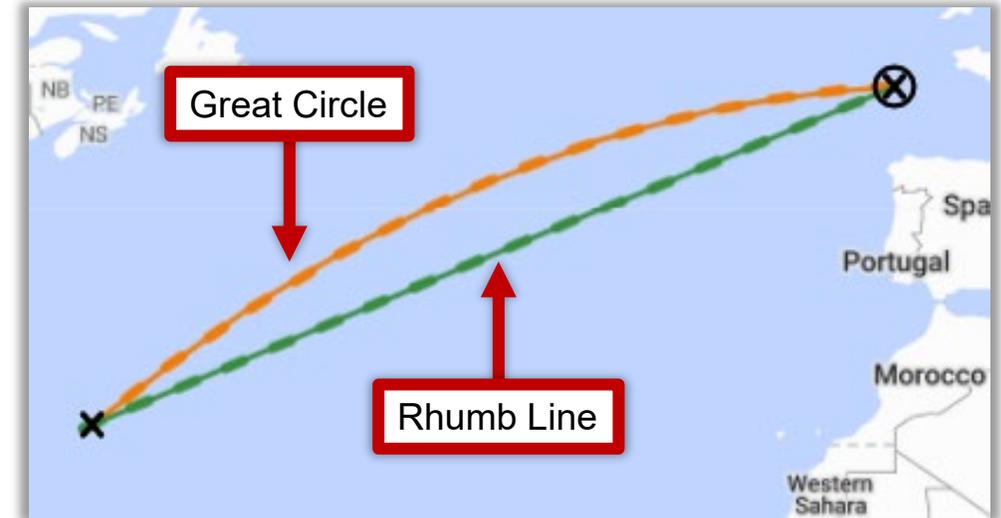
Creating Segments and Paths

- Paths can consist of a single segment or multiple segments
 - Create a single-segment path by plotting two points
 - Create a multi-segment path by plotting two or more connected segments



Distance Measurements

- Path distances are calculated using both Great Circle and Rhumb Line measurements
- The total length of the Current Path is displayed
- Both the range and bearing/azimuth of the Current Segment are displayed



Current Path		Current Segment	
Total Rhumb Line Length (m)	1165141.654896	Rhumbline Range (m)	1165141.654896
		Bearing (Degrees)	89.639801
Total Great Circle Length (m)	1159419.811616	Great Circle Range (m)	1159419.811616
		Initial Azimuth (Degrees)	89.641362

Editing Segments and Paths

- Segments can be edited after creation
- Additional segments can be added to the path by using ADD NODE
- SNAP TO VESSEL connects a segment node to a vessel for precise measurement
- Use DELETE NODE to remove unwanted segments



Summary

In this lesson, we covered:

- Accessing the Distance Tool
- The features of the Distance Tool
- Creating segments and paths
- Understanding distance measurements
- Editing segments and paths