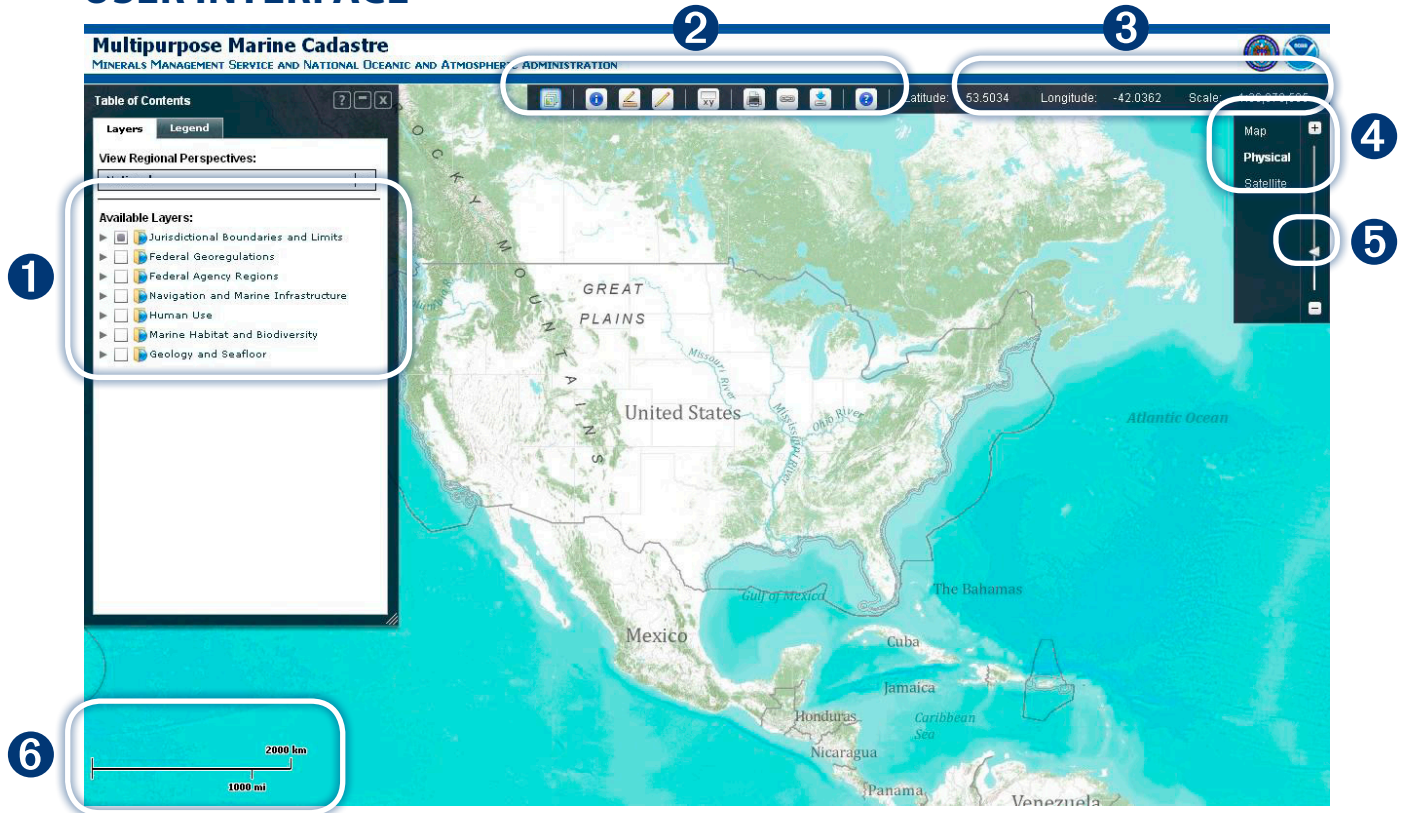# The Multipurpose Marine Cadastre (MMC)
# QUICK-START GUIDE

This document provides an overview of the interface and a quick description of some of the tools included in the Web application.

USER INTERFACE

1. The **Table of Contents** contains the data layers available for visualization in the application. Once a layer is selected in the Table of Contents, it becomes visible on the map display.
2. The Toolbar consists of the following tools that can be used on the map display:
    - Table of Contents
    - Identify
    - Measure
    - Draw
    - Coordinates
    - Print
    - Link
    - Data Download
    - Help
3. Your current cursor position on the map display shows the Latitude and Longitude coordinates in decimal degree format. The coordinates will change based on the location of your mouse cursor and can be found on the upper-right section of the display.
4. The **Basemap** buttons allow the user to change the basemap on the map display. The user is able to toggle among road and street maps, physical topography, and satellite imagery. For example, if the **Physical** button is clicked, the topography layer will appear on the map display.
5. The **Zoom Slider** is used to zoom in and out on the map display. The map scale will change as the zoom is moved up or down.
6. The Scale bar displayed in the lower-left corner of the map represents the approximate scale, or relative difference, between the distance of the line on the map to the actual distance on the earth. It is dependent on the user's zoom level (see **Zoom Slider**) at a particular location.

TABLE OF CONTENTS
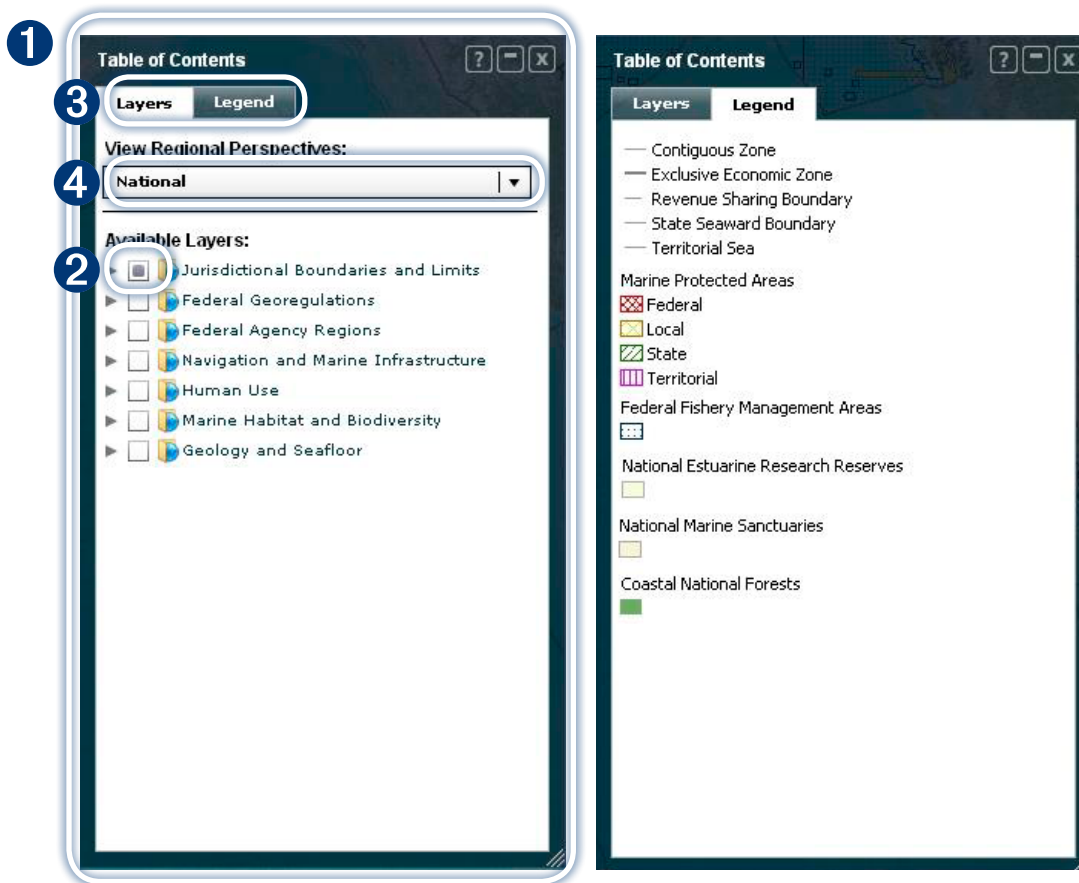
1. The **Table of Contents** contains the data layers available for visualization in the application. Once a layer is selected in the Table of Contents, it becomes visible on the map display.
2. To expand and visualize data layers, click on the arrow next to each thematic category and click on the box next to the layer name. Some layers may not display until a specific zoom level is achieved. More information on these layers is provided in the data sheets (see number 5 below).
3. The Visible Layers tab is on by default. Click on the **Legend** tab to view the symbology for a particular data layer.
4. To access different regional views, click on the **Regional View** drop-down box and select the region of interest.
5. Double-click the name of a particular data layer to access the data layer description. The resulting pop-up box contains basic information about a given layer and also provides a link to the data fact sheet.

TOOLBAR

1. Click on this button to open the **Table of Contents.**

2. Click on this button to access the **Identify** tool. To identify, click once on the layer you would like to identify in the Table of Contents (It will be highlighted blue once selected). Next, click on a feature (point, line, or polygon) of the active layer within the map. To make a layer active, click the check box to the left of the layer name. A table of attributes describing that feature displays on the map.

3. Click on this button to make use of the **Measure** tool. Once activated, click on the map to define the point from which you want to measure. Your cursor will be cross-shaped, and your point will be marked by a red dot. As you move your cursor, the distance from your dot will be shown at the top of the map. Each red line connected by two dots is a segment. Click somewhere else on the map to create a second red dot. The distance of this segment is now shown in **Total Distance** at the top of the map. As you create more segments, the total distance of these segments is displayed. The **Measure** tool can also be used for **Area** calculations.

4. Click on this button to activate the **Draw** tool. The user is able to draw the following geometries:
   - Points
   - Polyline
   - Freehand Line
   - Polygon
   - Freehand Polygon

   The **Buffer** tool is also available from the **Draw** menu. To buffer, select the desired geometry, enter a positive distance in the dialog box, and draw the shape on the map. The buffer is automatically created and displayed. The user can buffer based on the following measurements:
   - Kilometers
   - Statute Miles
   - Nautical Miles

5. The **Coordinates** tool enables users to create a "bounding box" based on four coordinates.

6. The **Print** tool enables the users to print the current map extent. Users are able to define or manipulate the following components:
   - Create the map title
   - Drag the map to reposition prior to printing
   - Determine whether user-drawn graphics are displayed

7. The **Link** tool is a feature that allows the user to save the current map extent. The following information is retained within an HTML link that can be shared with others:
   - Map extent
   - Visible layers

8. The **Download** button links the user to the MMC spatial data registry, a repository of spatial data organized by the following thematic categories:
   - Jurisdictional Boundaries and Limits
   - Federal Georegulations
   - Federal Agency Regions
   - Navigation and Marine Infrastructure
   - Marine Habitat and Biodiversity
   - Human Use
   - Geology and Seafloor

9. Click on the **Help** button to display the **Help Section**.