



MINN KOTA MAPS

User Manual

COMPLIANCE STATEMENTS

NOTICE: Do NOT leave the fish finder SD slot cover open. The slot cover should always be closed to prevent water damage to the unit.

NOTICE: The illustrations in this manual may not look the same as your product, but your unit will function in a similar way.

NOTICE: The procedures and features described in this manual are subject to change without notice. This manual was written in English and may have been translated to another language. Minn Kota is not responsible for incorrect translations or discrepancies between documents.

NOTICE: Product specifications and features are subject to change without notice.

NOTICE: Minn Kota verifies maximum stated depth in saltwater conditions, however actual depth performance may vary due to transducer installation, water type, thermal layers, bottom composition, and slope.

ROHS STATEMENT: Product designed and intended as a fixed installation or part of a system in a vessel may be considered beyond the scope of Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

ENVIRONMENTAL COMPLIANCE STATEMENT: It is the intention of Johnson Outdoors Marine Electronics, Inc. to be a responsible corporate citizen, operating in compliance with known and applicable environmental regulations, and a good neighbor in the communities where we make or sell our products.

WEEE DIRECTIVE: EU Directive 2002/96/EC “Waste of Electrical and Electronic Equipment Directive (WEEE)” impacts most distributors, sellers, and manufacturers of consumer electronics in the European Union. The WEEE Directive requires the producer of consumer electronics to take responsibility for the management of waste from their products to achieve environmentally responsible disposal during the product life cycle.

WEEE compliance may not be required in your location for electrical & electronic equipment (EEE), nor may it be required for EEE designed and intended as fixed or temporary installation in transportation vehicles such as automobiles, aircraft, and boats. In some European Union member states, these vehicles are considered outside of the scope of the Directive, and EEE for those applications can be considered excluded from the WEEE Directive requirement.

 This symbol (WEEE wheelie bin) on product indicates the product must not be disposed of with other household refuse. It must be disposed of and collected for recycling and recovery of waste EEE. Johnson Outdoors Marine Electronics, Inc. will mark all EEE products in accordance with the WEEE Directive. It is our goal to comply in the collection, treatment, recovery, and environmentally sound disposal of those products; however, these requirements do vary within European Union member states. For more information about where you should dispose of your waste equipment for recycling and recovery and/or your European Union member state requirements, please contact your dealer or distributor from which your product was purchased.

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SAFETY CONSIDERATIONS



CAUTION

This device should not be used as a navigational aid to prevent collision, grounding, boat damage, or personal injury. When the boat is moving, water depth may change too quickly to allow time for you to react. Always operate the boat at very slow speeds if you suspect shallow water or submerged objects.



CAUTION

The electronic map in your Minn Kota unit is an aid to navigation designed to facilitate the use of authorized government charts, not to replace them. Only official government charts and notices to mariners contain all of the current information needed for the safety of navigation, and the captain is responsible for their prudent use.



CAUTION

Do NOT save data files (waypoints, routes, tracks, groups, recordings, etc.) to your map card. Saving data to your map card will permanently damage it. You can save navigation data to the fish finder and export it to a blank card. See Save and Export Navigation Data for details.



CAUTION

Do NOT delete or change the contents of your map card. Changing the card will permanently damage it.



CAUTION

Minn Kota is not responsible for the loss of data files (waypoints, routes, tracks, groups, recordings, etc.) that may occur due to direct or indirect damage to the unit's hardware or software. It is important to back up your fish finder's data files periodically. Data files should also be saved to your computer before restoring the fish finder defaults or updating the software. Visit our Web site at minnkota.johnsonoutdoors.com and download your fish finder operations manual for details.



CAUTION

Disassembly and repair of this electronic unit should only be performed by authorized service personnel. Any modification of the serial number or attempt to repair the original equipment or accessories by unauthorized individuals will void the warranty.

OVERVIEW

Install a Minn Kota® Maps card to add enhanced or high definition lake or coastal maps to your Minn Kota fish finder. Minn Kota Premium map cards allow you to add layers to your map that show aerial imagery (available for select lakes only) and shaded relief.

Compatibility: Minn Kota Maps cards are available to use with all X Series, A Series, APEX, XPLORE, and SOLIX models. Visit minnkota.johnsonoutdoors.com to review the latest compatibility information.

SET UP THE FISH FINDER

Use the following instructions to start using the latest Minn Kota Maps features with your Minn Kota fish finder.

CONNECT TO WI-FI »

Connect to Wi-Fi to download software updates and export data.

1. Press the HOME  key.
2. Select Network + Devices.
3. Select Wi-Fi Updates.
4. Turn on Wi-Fi Updates.
5. Select an available network to join.
6. If software updates are available, a message box will ask if you want to download software updates now or later.
7. Select Download. The Wi-Fi Download In Progress bar displays the progress.

UPDATE THE FISH FINDER SOFTWARE »

It is important to install the latest software update to enable the Minn Kota Maps card on your fish finder. Minn Kota Maps requires fish finder software version 7.0 and later. You can update software by using Wi-Fi, our Minn Kota Fishing App, or an SD card. See your operations manual for complete details about updating software.

NOTICE: If you have more than one fish finder on the Minn Kota system, go to each fish finder to install the latest software update. Fish finder software updates cannot be updated through another networked unit.

NOTICE: To ensure a smooth update process, keep the unit powered on until the update is fully completed. Interrupting the power supply during the update can result in system instability or data loss.

» Check the Current Software Version

It is important to install the latest fish finder software update to enable the Minn Kota Maps card on your fish finder.

1. Press the HOME  key.
2. Select Network + Devices.
3. Select the Network + Devices tab.
4. Review the software version number listed.
5. If the fish finder is connected to Wi-Fi, select Check for Updates. For complete details about the software update process, see your fish finder manual.

OVERVIEW



» Wi-Fi Software Updates

Once the fish finder is connected to Wi-Fi, you can check for software updates.

- 1. Press the HOME  key.
- 2. Select Network + Devices.
- 3. Select the Network + Devices tab.
- 4. Select Check for Updates.

INSERT THE MINN KOTA MAPS CARD »

Your fish finder is compatible with an SD card or a microSD card. To insert the map card, follow the instructions included with your fish finder operations guide. Also, use the following guidelines:

- Do not force the card into the slot. The card should click easily into place. See your fish finder operations manual for instructions.
- Do not leave the card slot cover open. The slot cover should always be closed to prevent water damage to the unit.



Do NOT delete or change the contents of your map card. Changing the card will permanently damage it.



SET UP FOR THE DAY

Use the following instructions to get started each time you go out on the water.

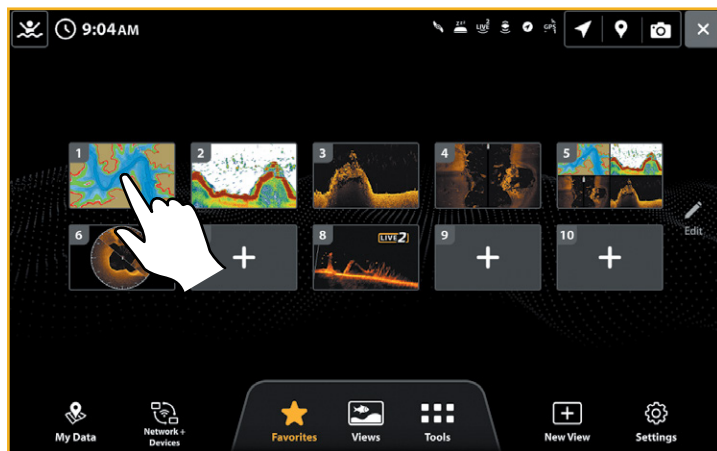
POWER ON >

1. Press the POWER  key.
2. Choose your startup mode.
If you are on the water with GPS reception, select Normal mode. (Normal mode is required for on-the-water use.)
If you are off the water and don't have GPS reception, select Simulator mode.

DISPLAY A MAP VIEW >

1. Press the HOME  key.
2. Select Map View from the Favorites menu.
OR
Select Map from the Views menu, and then select a Map type.

Map View [Favorites]



Map View [Views]



The map displayed on the Map View is based on your latitude/longitude position and the map card installed in the fish finder, so your current position will be displayed automatically. GPS reception is required for the correct position to be displayed.

If your current position is not displayed, confirm you have GPS reception and that your Minn Kota Map card is installed. Also, use the following instructions to review the Map Source and Selected Map Card.

> Open the Map Menu

The Map Menu displays menu options for the on-screen view and operation mode (such as map and navigation). In a multipane view, the Map Menu options are determined by which pane is selected.

1. With a view displayed on-screen, tap the Menu icon in the Top Bar.
OR
Press the MENU key.

SET UP FOR THE DAY

Change the Map Source

The fish finder will automatically select the Minn Kota Maps card as the map source. You can also change the map source using the Map Settings. When you change the map source, the menu options for the Map Views also change, allowing you to add navigation data, shading, alarms, and more.

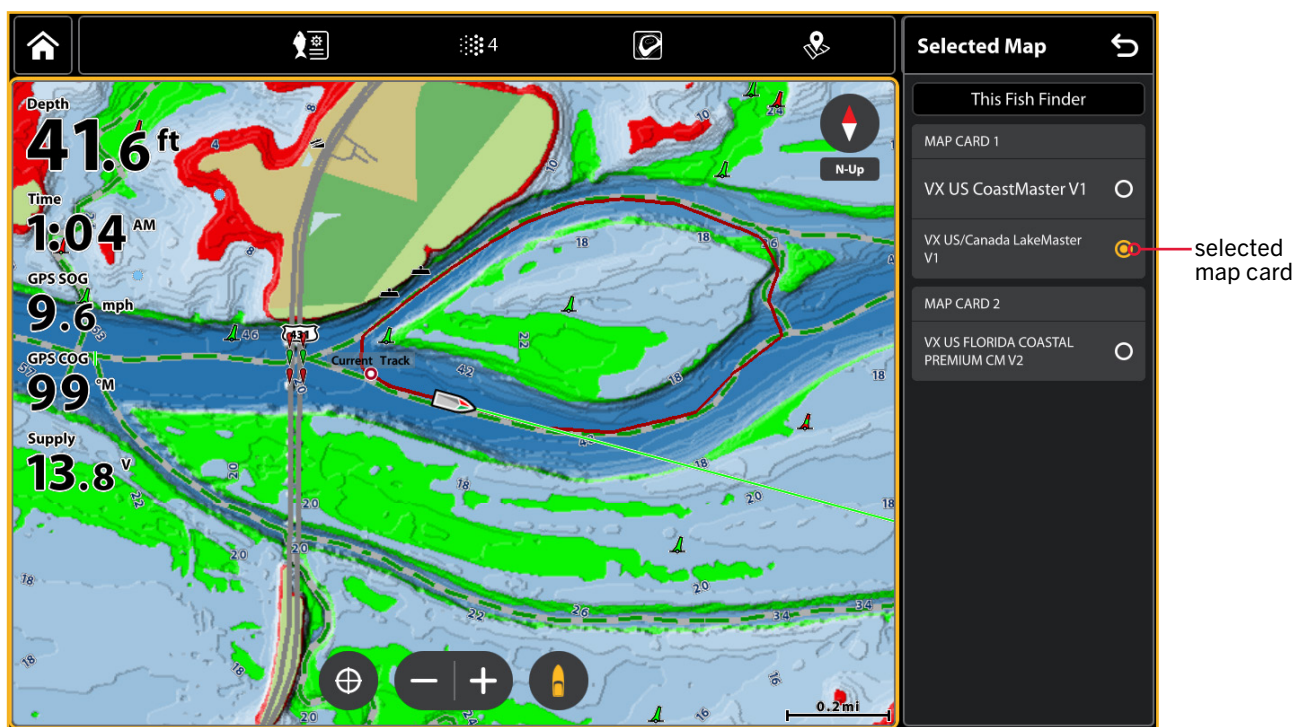
1. From the Map Menu, select Settings.
2. Under System Settings, select Map Source.
3. Select Minn Kota or Navionics.

Select a Map Card

If you have more than one Minn Kota Maps card in your fish finder or shared across the Minn Kota system, select which card you want to use.

1. From the Maps Menu, select Selected Map.
2. Select the map card you want to display.

Selecting a Map Card



View Map Card Info

Use the following steps to review the information about the installed map card.

1. From the Map Menu, select Settings.
2. Under System Settings, select Map Source.
3. Select Map Card Info.

SELECT A MAP PRESET

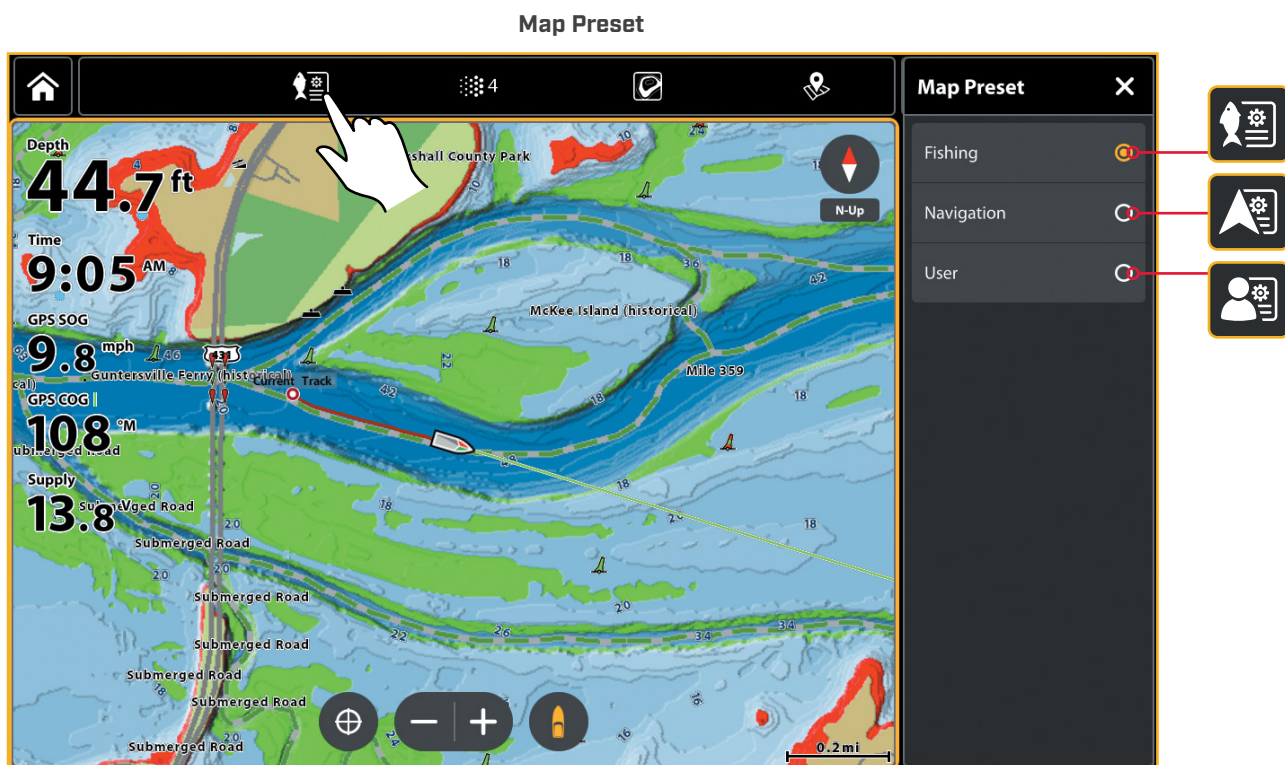
Use Map Presets to quickly alternate between settings. You can use the default Fishing or Navigation settings provided, or you can create a custom User preset with your preferences. The Fishing and Navigation presets are also fully customizable. You can restore each preset back to its default settings at any time.

1. With a Map View displayed on-screen, tap the Map Preset icon in the Top Bar.

OR

From the Map Menu, select Settings > Map Preset.

2. Select a preset.



ADJUST THE WATER LEVEL OFFSET

It is important to note if the water level is higher or lower than normal for the selected lake. For example, if the water level is down 3 feet, set the Water Level Offset to -3. Depth labels on the Contour Lines will adjust based on the Water Level Offset setting.

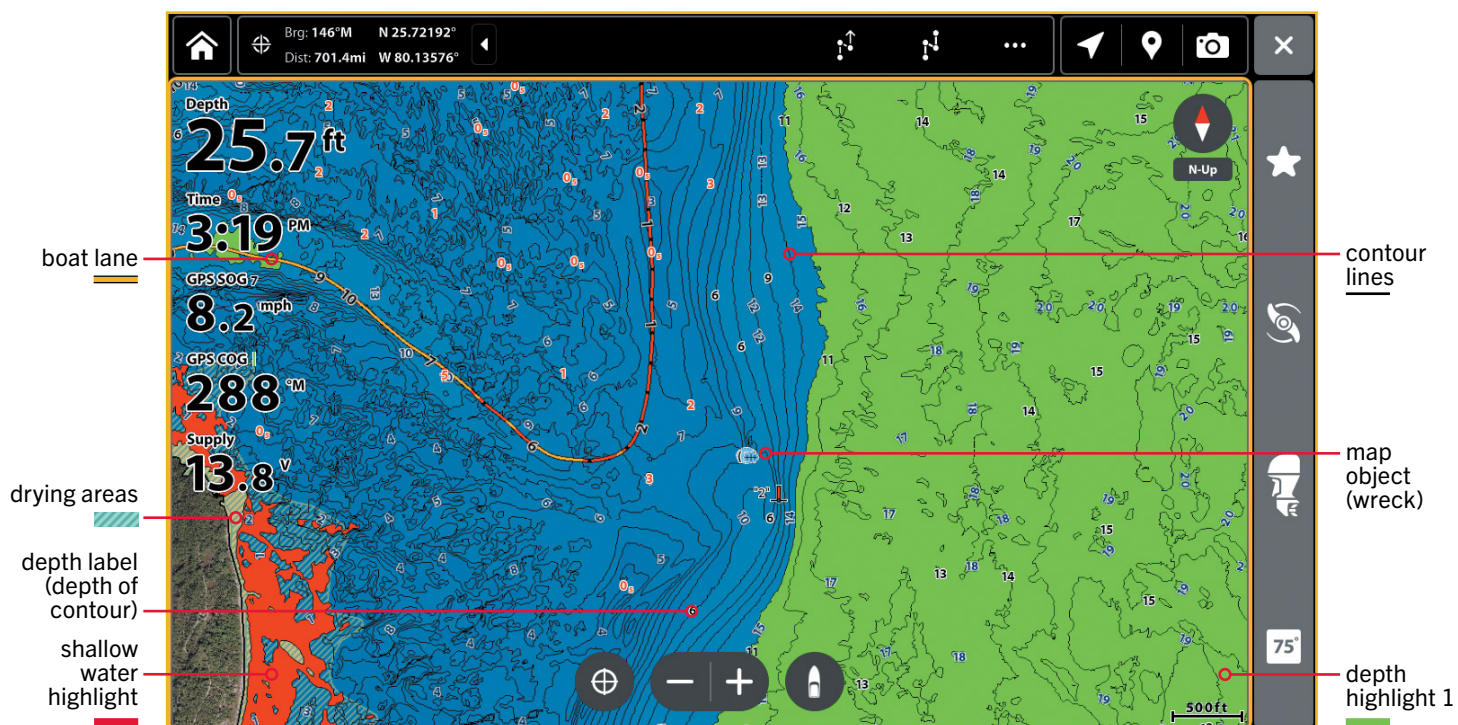
1. From the Map Menu, select Water Level Offset.
Tap the on/off button, or press the ENTER key, to turn it on.
2. Tap the +/- buttons or press and hold the slider to adjust the setting.
 - If the water level is higher than normal, set a positive amount.
 - If the water level is lower than normal, set a negative amount.
 - If the water level has not changed (normal), turn Water Level Offset off.

WHAT'S ON THE MAP

› Inland Map



› Coastal Map



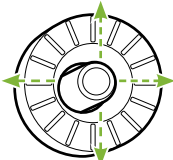
TIPS FOR USING THE MAP

In addition to the map and navigation features available with your Minn Kota fish finder, use the following tips with your Minn Kota Maps card.

Move Across the Map

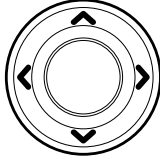
Use the Joystick, CURSOR pad, or touch screen to move across the map.

A Series/APEX/SOLIX



Move the Joystick.

X Series/XPLORE



Press any arrow on the CURSOR pad.

All Models



Tap and drag.

See More on the Map

Zoom in  and Zoom out  to see more of the map display (contour lines, depth colors, etc.).

Using the Top Bar

The Top Bar is located at the top of the screen. It changes to match the on-screen view. You can tap the icons in the Top Bar to open and close a menu or make a selection.

Top Bar



map preset depth highlight navigation media

color palette my data mark menu

Change the Map Orientation

Select your display preference: North-Up, Head-Up, Course-Up, etc.

- 1. Map Menu > Settings > General > Orientation.

OR

Tap the Orientation icon  in the Map View.

Head Up	The vessel's current heading points up, and the map rotates around the vessel icon so it always points up on the view. The heading is provided by the connected compass/heading sensor. If a compass is not connected, the vessel will be oriented according to the COG (Course Over Ground).
North Up	The map is oriented with North up on the display, and the vessel rotates according to its heading or COG (Course Over Ground).
COG Up	The map is displayed with the vessel oriented in a fixed position pointing up, and the map rotates according to the vessel COG (Course over Ground).
Course Up	During navigation, the intended course or route leg is shown at the top of the view. Objects ahead of the vessel are drawn above the vessel. When the vessel is not navigating, the current heading is displayed.

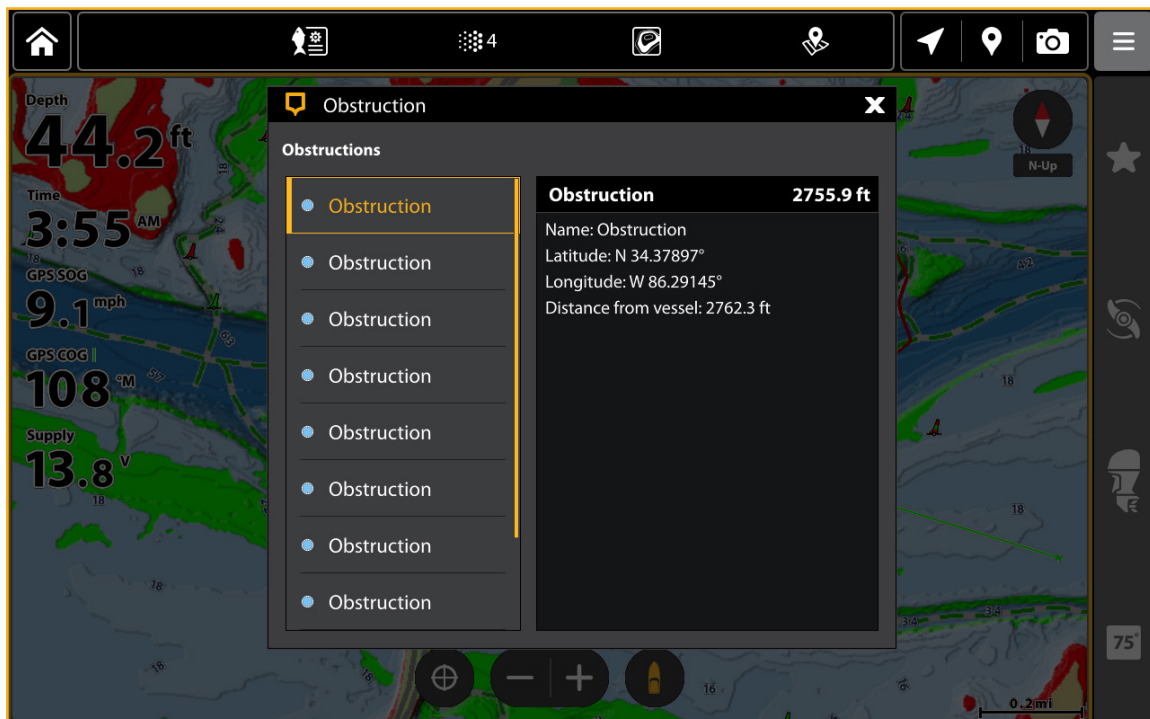
WHAT'S ON THE MAP

SEARCH YOUR MAP >

Search the area for ports, tide stations and current stations. You can also search for other points of interest, services, and the nearest waypoints, routes, and tracks.

1. From the Map Menu, select Info.
2. Select Find Nearest.
3. Select an item from the displayed list.
OR
1. Press the CHECK/INFO key.
OR
1. Tap a position on the Map View to activate the cursor, or use the Cursor pad/Joystick to move the cursor to a position on the map.
2. Tap the More icon ●●● in the Cursor menu.
3. Select Find Nearest .
4. Choose an item from the displayed list. Tap the item, or press the ENTER key, to see more information if it is available.

Find Nearest Search Results



ADJUST THE DISPLAY SETTINGS

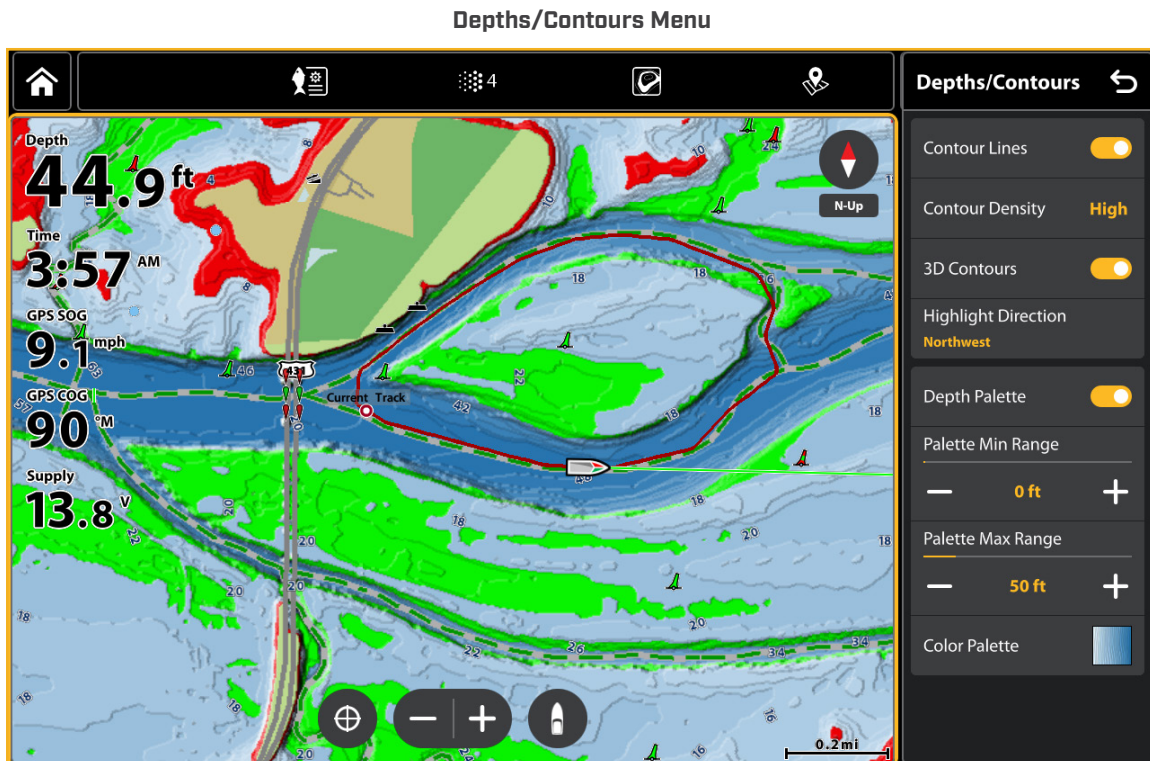
When you install a Minn Kota Maps card, menu options are added to your fish finder. You can show or hide contour lines, highlight a depth range on the map, highlight shallow water, set safe depth levels and more.

Some of the menu options in this section may be displayed in other parts of the menu system so that you can access them quickly. No matter where you make the change, the fish finder will update the setting across the system.

NOTICE: With a few exceptions that are noted in this guide, changing a setting in the active preset will not affect that setting in the other presets.

OPEN THE DEPTHS/CONTOURS MENU

1. From the Maps Menu, select Settings.
2. Select Depths/Contours.



ADJUST THE DISPLAY SETTINGS

DISPLAY CONTOUR LINES AND ADJUST THE CONTOUR DENSITY »

You can display or hide the contour lines on the map, and you can adjust the distance between each contour line.

» Show/Hide Contour Lines

Show or hide water contour lines in Map Views.

1. From the Depths/Contours Menu, select Contour Lines.
2. Tap the on/off button, or press the ENTER key, to show or hide contour lines.

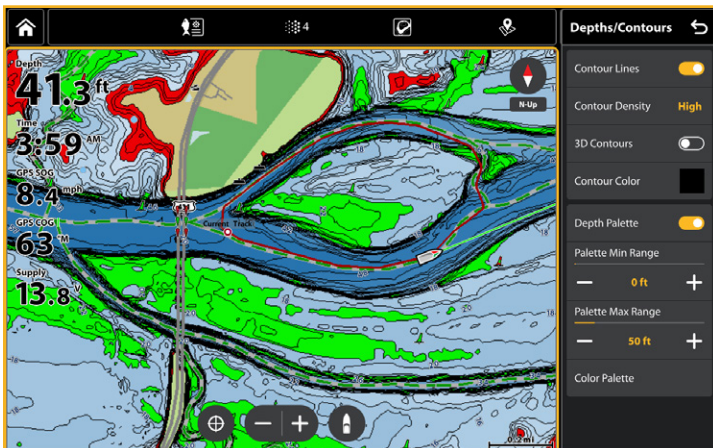
» Adjust the Contour Density

Use Contour Density to adjust the density of the contour lines displayed on the map. You can set the density to High, Medium, or Low. Contour lines must be turned on to adjust this feature.

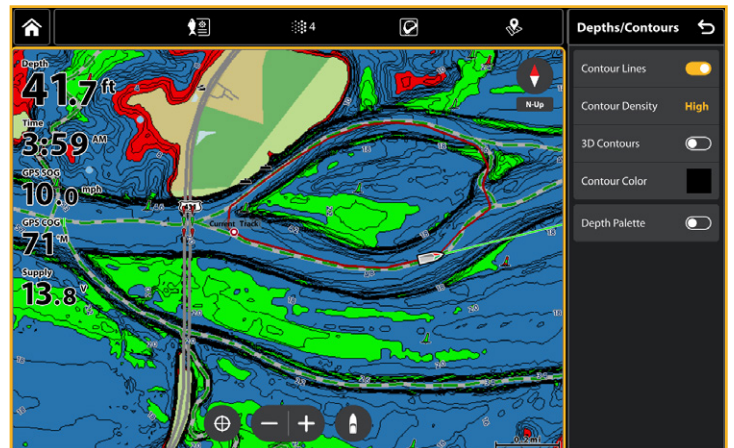
NOTICE: Contour density can only be customized in the Fishing and User presets. Navigation contour density cannot be changed.

1. From the Depths/Contours Menu, select Contour Density to open the submenu.
2. Select a Contour Density setting.

Adjusting the Contour Density [High]



Adjusting the Contour Density [Low]



» Change the Contour Lines Color

Contour lines must be turned on to adjust this setting.

1. From the Depths/Contours Menu, select Contour Color to open the submenu.
2. Select a color. Tap, or press the ENTER key, to turn it on.

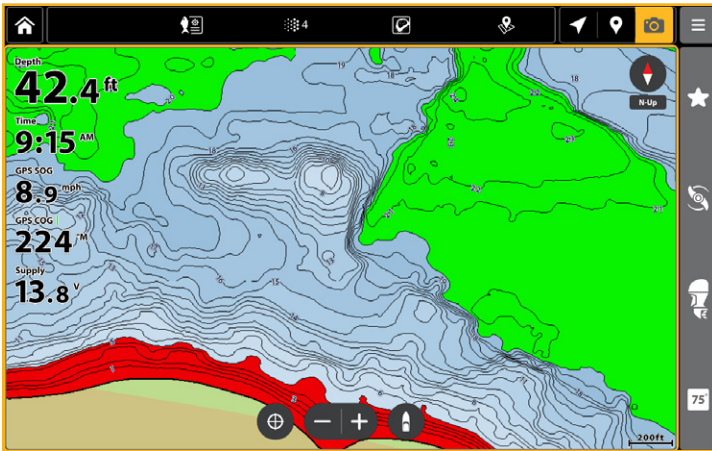
ADJUST THE DISPLAY SETTINGS

3D Contours

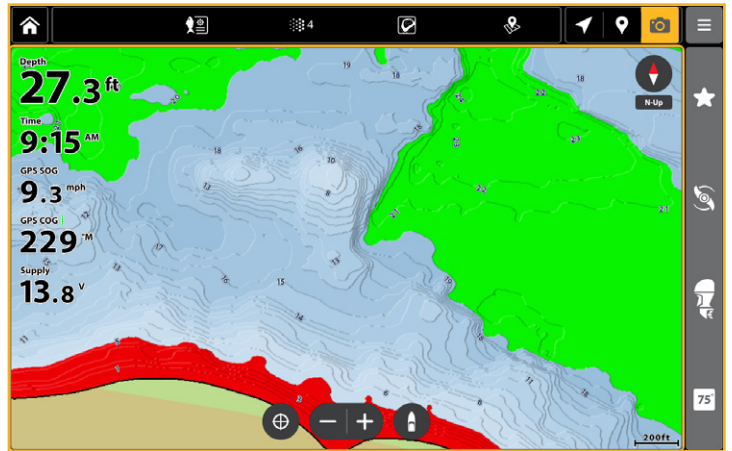
Switch between 2D contour lines and 3D contour imaging for your preferred view.

1. From the Map Menu, select Settings > Depth/Contours and then toggle 3D Contours on or off.

2D Contour



3D Contour



DISPLAY DEPTH PALETTE COLORS AND ADJUST THE PALETTE RANGE

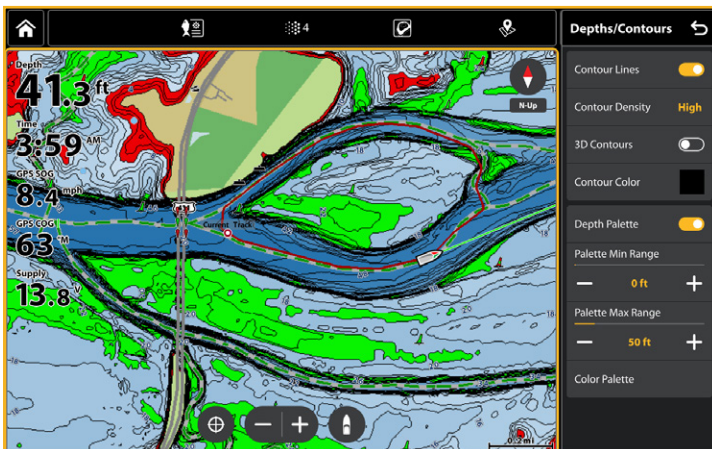
You can adjust the range of data shown on the map by changing the minimum and maximum range on the display. The range you select affects how the depth colors are displayed. For related color options, see Change the Color Palette.

Show/Hide Depth Palette Colors

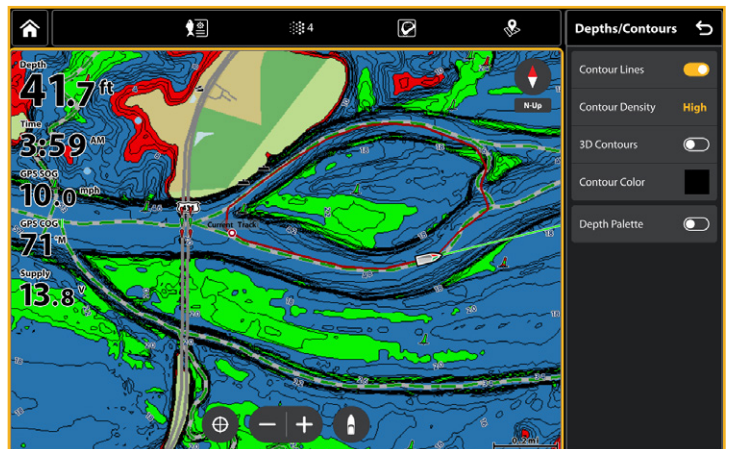
Turn depth area colors in the Map Views Off or On.

1. From the Depths/Contours Menu, select Depth Palette.
2. Tap the on/off button, or press the ENTER key, to show or hide depth colors.

Depth Palette [ON]



Depth Palette [OFF]



ADJUST THE DISPLAY SETTINGS

Adjust the Palette Range

You can adjust the range of data shown on the map by changing the minimum range and maximum range on the display. The range you select affects how the depth colors are displayed. For best results, set a narrow depth range threshold.

1. From the Depths/Contours Menu, select Palette Min Range.
2. Press and hold the slider, or press and hold the ENTER key, to adjust the setting.
3. Select Palette Max Range.
4. Press and hold the slider, or press and hold the ENTER key, to adjust the setting.

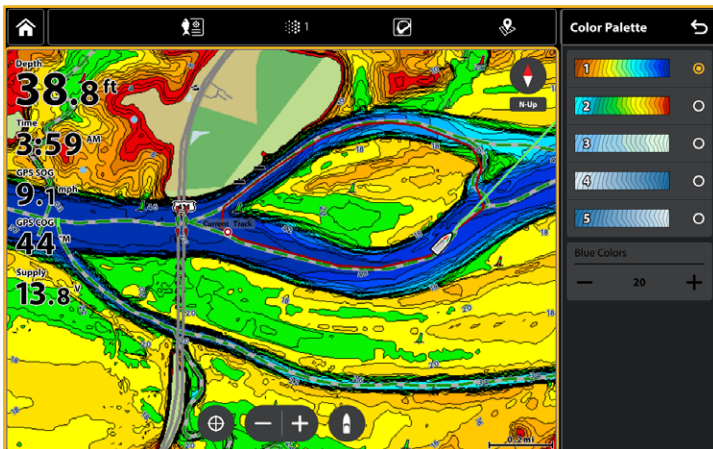
Change the Color Palette

The Color Palette menu changes the colors used to display the map.

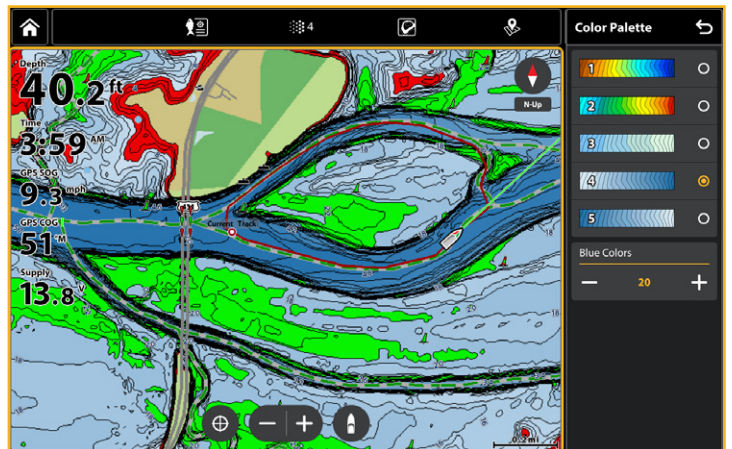
1. From the Depths/Contours Menu, select Color Palette.
2. Select a color palette.
3. If you have selected a blue color palette, you can adjust the number of shades displayed. Select Blue Colors, and press and hold the slider, or press and hold the ENTER key, to adjust the setting.

QUICK TIP! You can also change this setting by tapping the color palette  1 icon in the Top Bar. See Using the Top Bar for more information.

Color Palette 1



Color Palette 4



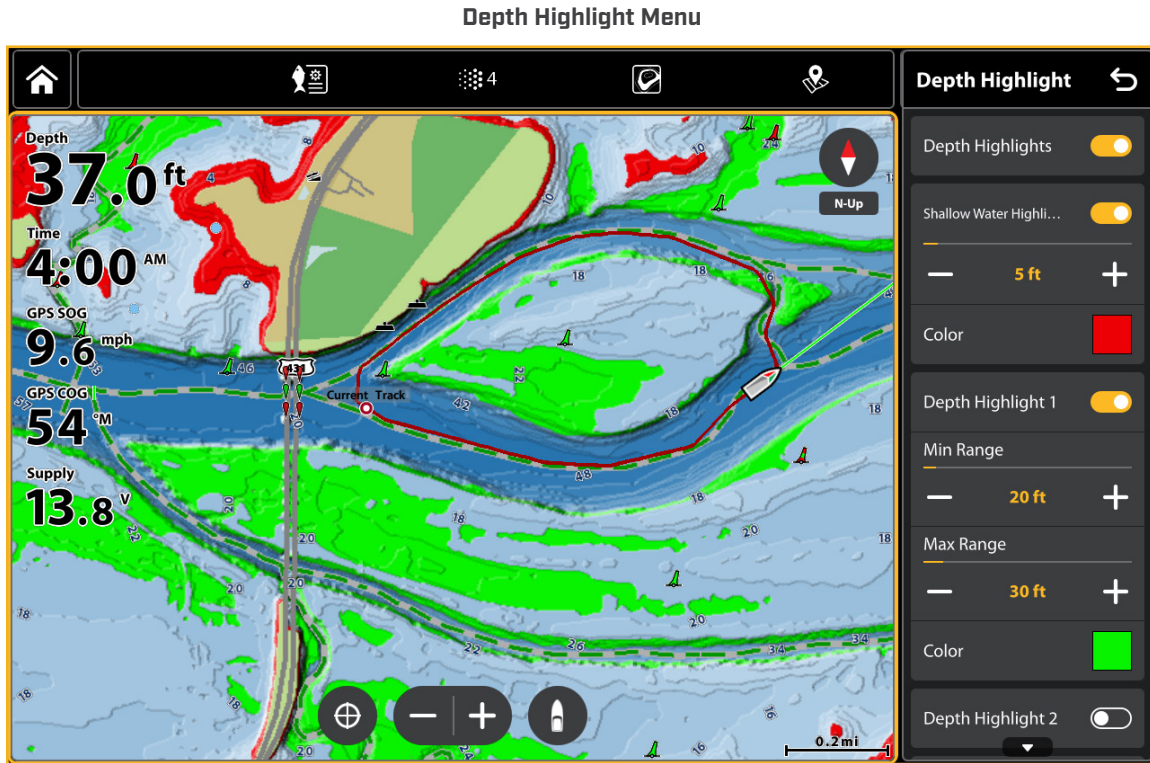
SET DEPTH HIGHLIGHTS

Highlight deep and shallow waters in Map View and Map Combo Views using the following features.

NOTICE: Changing these settings will affect all presets, not just the active preset.

› Open the Depth Highlights Menu

1. With a Map view displayed on-screen, tap the Depth Highlight  icon in the Top Bar.
- OR
1. From the Map Menu, select Settings.
2. Select Depth Highlight.



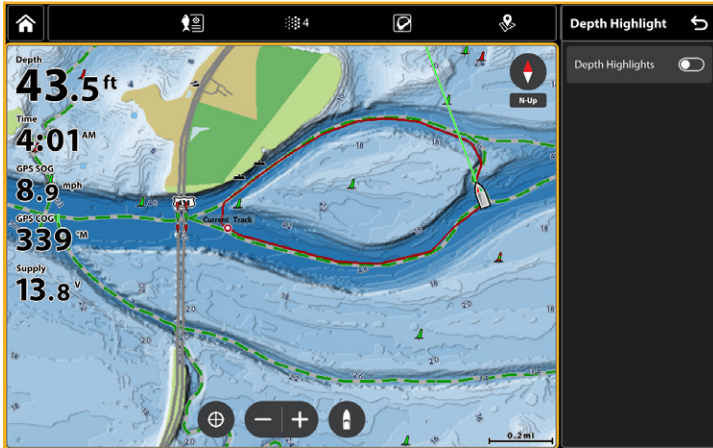
› Highlight a Depth Range

The Depth Highlight Menu allows you to select up to four depth ranges to be highlighted on the map.

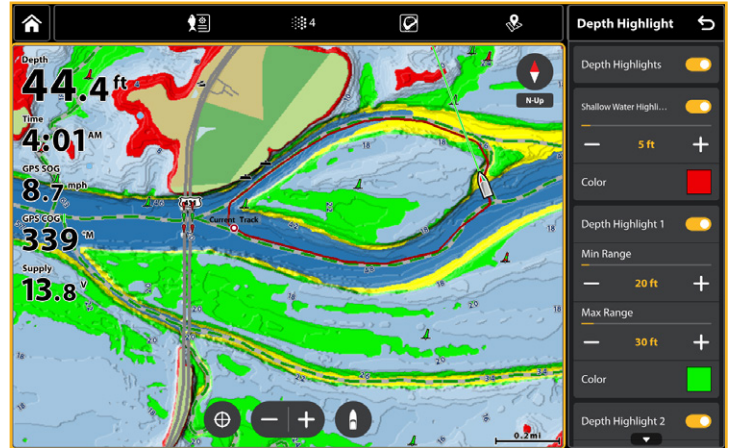
1. From the Depth Highlight Menu, select Depth Highlights.
Tap the on/off button, or press the ENTER key, to show or hide depth highlights.
2. With depth highlights turned on, set the depth range for Depth Highlight 1 by selecting Min Range or Max Range.
Press and hold the slider, or tap the +/- buttons, to adjust the setting.
3. To turn on an additional highlight, select Depth Highlight 2 and tap the on/off button, or press the ENTER key.
4. Repeat Step 2 with Depth Highlight 2 to adjust the depth range.
5. Repeat Steps 2-3 for each additional depth highlight (up to four).

ADJUST THE DISPLAY SETTINGS

Depth Highlight [OFF]



Depth Highlight [ON]



Change the Highlight Color

If you've set Depth Highlights and they're not easy to see with the color palette you've selected, you can change the Highlight Color.

1. From the Depth Highlight Menu, select the Depth Highlight Color you wish to change.
2. Tap, or use the Cursor Pad/Joystick and Enter key, to select a new color.
3. Repeat these steps for each additional highlight you wish to change.

Orange Depth Highlights



Magenta Depth Highlights



Highlight Shallow Water

The Shallow Water Highlight identifies shallow waters when the depth is equal to or less than the level you set. Depth Highlights must be turned on to enable this feature.

1. From the Depth Highlights Menu, select Shallow Water Highlight.
2. Tap the on/off button, or press the ENTER key, to show or hide shallow water highlights.
3. Press and hold the slider, or tap the +/- buttons, to adjust the highlighted depth level.

Change the Shallow Color

If you’ve set Shallow Water Highlights and they’re not easy to see with the color palette you’ve selected, you can change the Shallow Water Highlight Color.

- 1. From the Depth Highlights Menu, select the Shallow Water Highlight Color.
- 2. Tap, or use the Cursor pad/Joystick and Enter key, to select a new color.

SET SAFE DEPTH LEVELS

Use the Safe Depth feature to set the minimum depth level for your vessel and to turn on highlights for hazards shallower than that level.

NOTICE: Changing these settings will affect all presets, not just the active preset.

- 1. From the Map Menu, select Settings.
- 2. Select VX Settings.
- 3. Select Safe Depth and press and hold the slider, or press and hold the ENTER key, to set the minimum depth level for your vessel.

Sounding Highlight	displays soundings shallower than the safe depth in red
Symbol Highlight	displays hazardous objects shallower than the safe depth with a red outline
Always Show Hazards	forces hazardous objects and spot soundings shallower than the safe depth to display even if the map object data is hidden

FILTER MAP OBJECTS

Use Map Objects to add or hide map details and nav aids on the Map View.

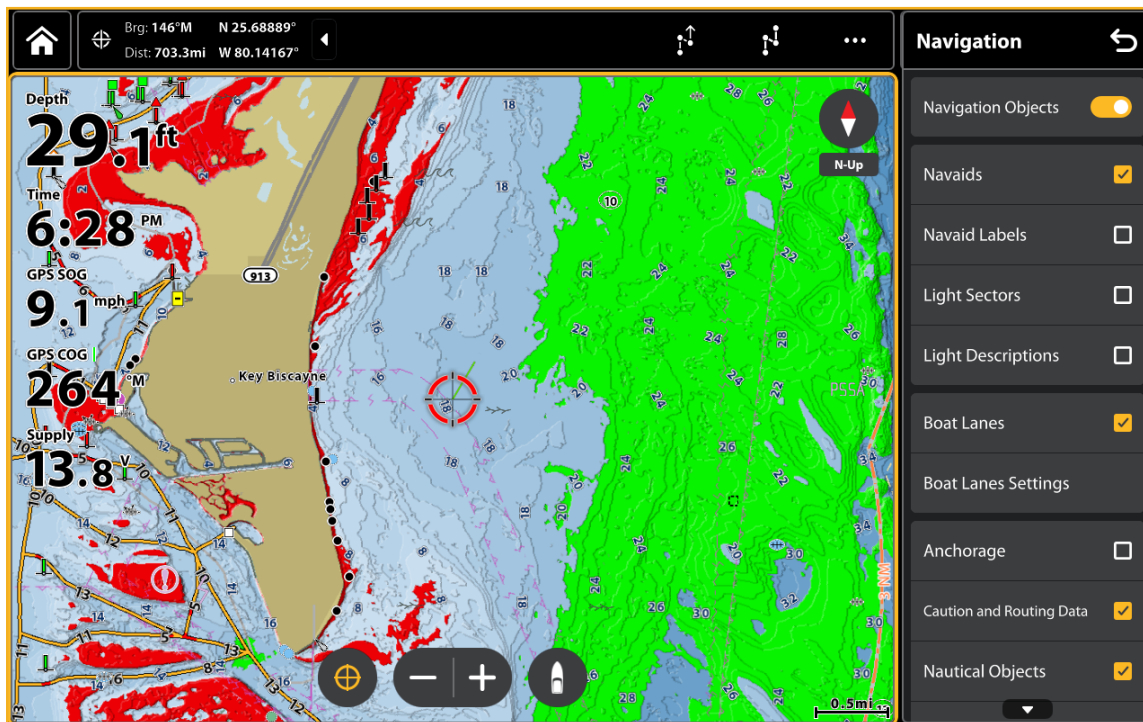
Open the Map Objects Menu

- 1. From the Map Menu, select Settings.
- 2. Select Map Objects.
- 3. Select one of the following:

Navigation	shows nav aids and labels, light sectors and descriptions, anchorage, caution and routing data, nautical objects, tides and currents, spot soundings, and oil and gas production areas
Water	shows wrecks, rocks, obstructions, natural water features, fishing objects, and the nature of the seabed
Land	shows ports, shoreline objects, roads, points of interest (POIs) and POI labels, and natural land features

ADJUST THE DISPLAY SETTINGS

Map Objects (Navigation Menu)



› Show/Hide Spot Soundings

Spot Soundings are depth measurements shown on the map.

1. From the Map Objects Menu, select Navigation > Spot Soundings.
2. Tap, or press the ENTER key, to show or hide spot soundings. (check mark = visible, blank = hidden)
3. To hide only the spot soundings deeper than a depth you set, select Soundings Filter.
4. Tap the on/off button, or press the ENTER key to enable or disable the filter.
5. Tap the +/- buttons, or press and hold the slider, to adjust the depth level.

› Show/Hide Rocks

Spot Soundings are depth measurements shown on the map.

1. From the Map Objects Menu, select Water > Rocks.
2. Tap, or press the ENTER key, to show or hide rocks. (check mark = visible, blank = hidden)
3. To hide only the rocks below a depth you set, select Rock Filter.
4. Tap the on/off button, or press the ENTER key to enable or disable the filter.
5. Tap the +/- buttons, or press and hold the slider, to adjust the depth level.

› Show/Hide Tides and Currents

Turn on Tides and Currents to review information for the nearest tide and current stations to your present position.

1. From the Map Objects Menu, select Navigation.
2. Select Tides and Currents.
3. Tap, or press the ENTER key, to show or hide tide and current icons. (check mark = visible, blank = hidden)

ADJUST THE DISPLAY SETTINGS

› Show/Hide Dynamic Tides and Currents

Turn on Dynamic Tides and Currents to display an icon on the Map View that indicates the status of the tides and currents. The provided data is affected by the station's time zone.

NOTICE: Tides and Currents must be turned on to enable Dynamic Tides and Currents.

NOTICE: Changing these settings will affect all presets, not just the active preset.

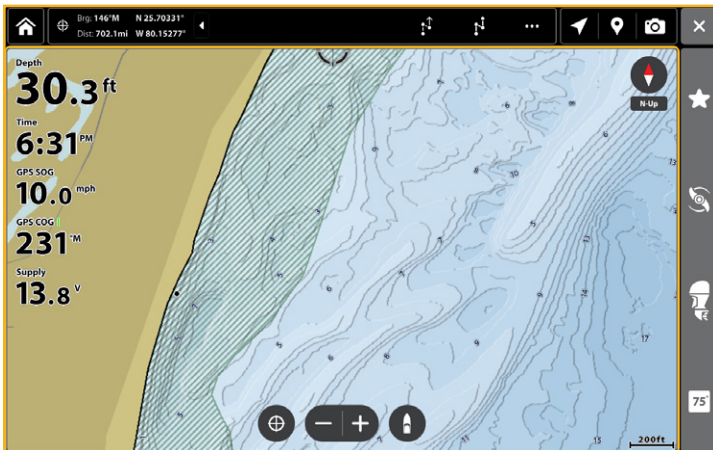
1. From the Map Menu, select Settings.
2. Select VX Settings.
3. Select Dynamic Tides/Currents.
4. Tap the on/off button, or press the ENTER key, to show/hide dynamic tides and currents.

› Show/Hide Drying Areas

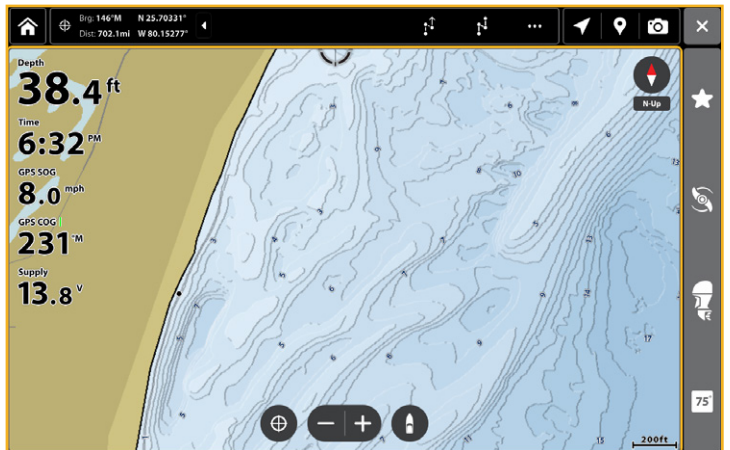
Tidal drying areas are highlighted on your map by a green and tan hatched pattern (Navigation Preset) or in seafoam green (Fishing and User Presets). Drying areas can be turned on and off through the Natural Land Features option.

1. From the Map Objects Menu, select Land > Natural Features.
2. Tap, or press the ENTER key, to show or hide drying areas. (check mark = visible, blank = hidden)

Drying Areas [ON]



Drying Areas [OFF]



PREMIUM FEATURES

MAP LAYERS

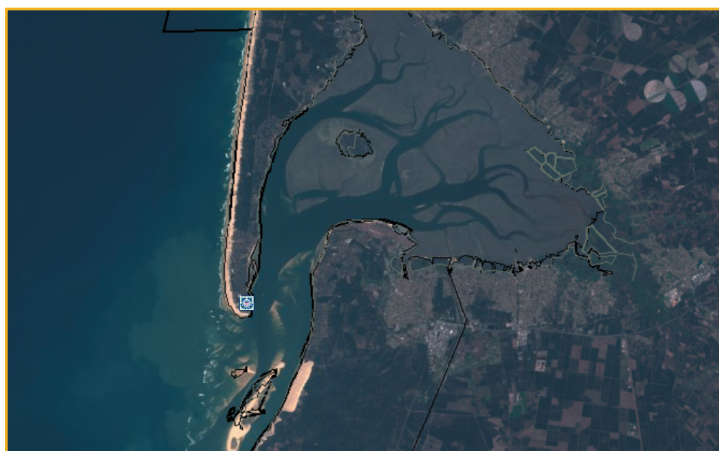
Premium map cards unlock additional map layers in Map View and Map Combo Views, including aerial imagery and shaded relief. Layer transparency can be customized to adjust how much detail appears on the map.

- Aerial Imagery can be applied to land only or to both land and water.
- Shaded Relief uses shadows to highlight lakebed features.
- Bottom Hardness, available on Premium coastal maps, uses color shading to show seabed composition, with lighter colors indicating harder bottom and darker colors indicating softer bottom.

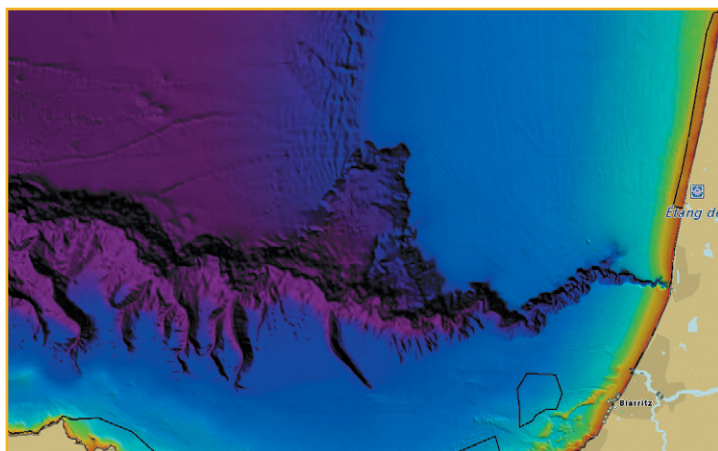
Change Layers

1. With a Map view displayed on-screen, tap the Layers icon  in the Top Bar.
OR
2. From the Map Menu, select Settings > Layers.

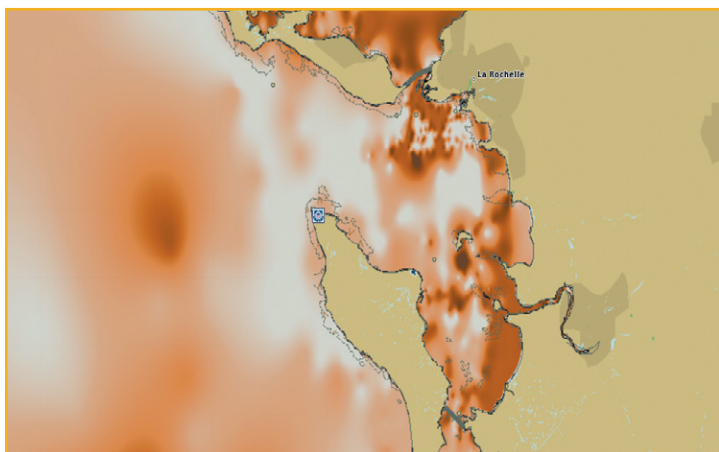
Aerial imagery



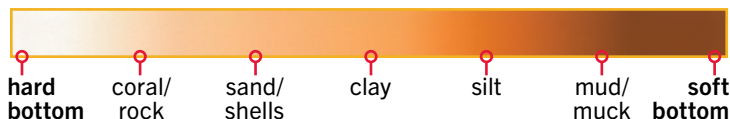
Shaded Relief



Bottom Hardness



Layer Transparency



Adjust Transparency of Layers

1. With a Map view displayed on-screen, tap the Layers icon  in the Top Bar.
OR
From the Map Menu, select Settings > Layers.
2. Select the layer you want to adjust.
3. Press and drag the slider, or press the +/- ZOOM keys, to adjust the setting. (0% = transparent, 100% = opaque)

BOAT LANES

Boat Lanes are available on select Premium coastal map cards. Boat Lanes are suggested routes to aid in navigation. Boat Lanes may be on or off by default depending on your Map Preset.



WARNING

This feature should not be used as a navigational aid to prevent collision, grounding, boat damage, or personal injury. Boat Lanes are an aid to navigation designed to facilitate the use of authorized government charts, not to replace them. Only official government charts and notices to mariners contain all of the current information needed for the safety of navigation, and the captain is responsible for their prudent use.

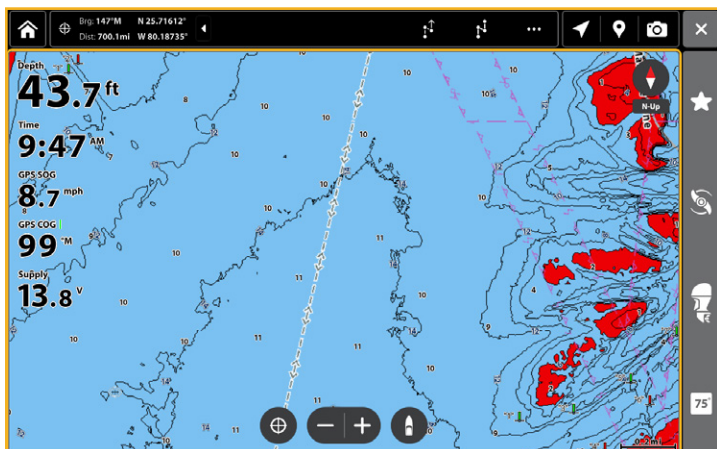
Boat Lanes should only be ran at slow and prudent speeds.

NOTICE: Boat Lanes can be affected by weather, climate, and local tidal factors over time.

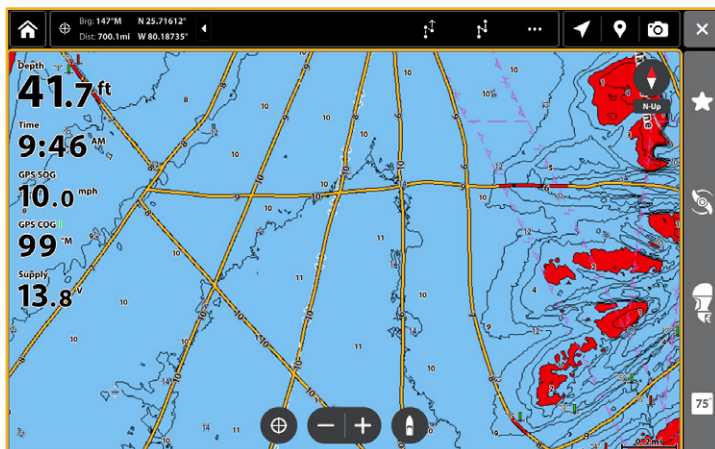
Show/Hide Boat Lanes

1. From the Map Menu, select Settings.
2. Select Map Objects.
3. Select Navigation.
4. Select Boat Lanes.
5. Tap the check box, or press the ENTER key, to show or hide boat lanes.

Boat Lanes [OFF]



Boat Lanes [ON]



PREMIUM FEATURES

Understanding Boat Lanes

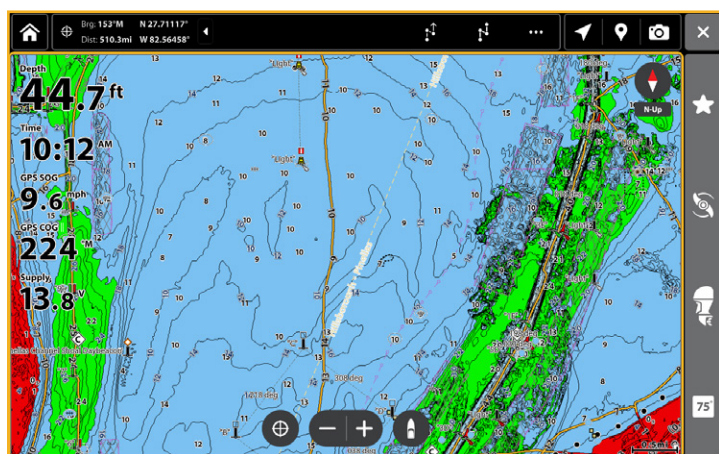
Several different types of lanes are displayed on the map.

- **Standard Boat Lanes** are indicated by a solid yellow line outlined in black. These lanes are at a depth equal to or deeper than your safe depth setting (see *Set Safe Depth Level*).

NOTICE: It is up to the captain to determine a safe depth based on their boat and the weather and tide conditions.

- **Connector Lanes** are indicated by a yellow line outlined in white. These are additional lanes that connect Minn Kota Boat Lanes.

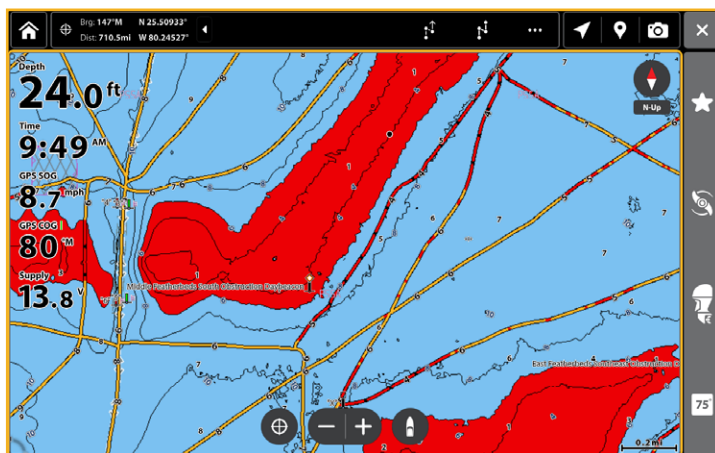
Connector Lanes (OFF)



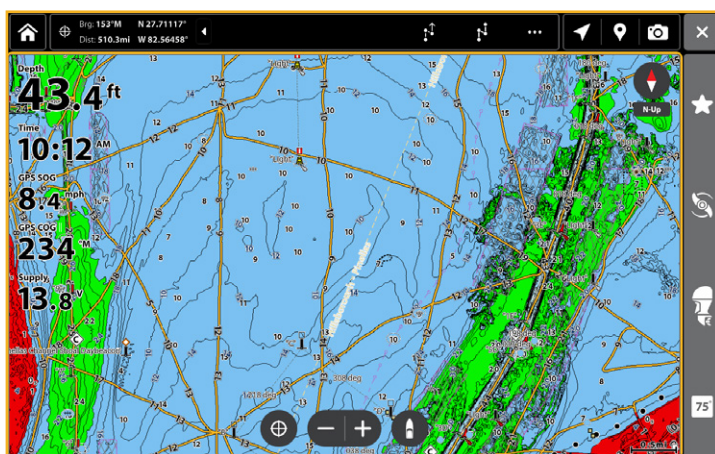
- **Shallow Depth and Unknown Depth Boat Lanes** are indicated by a red dashed line outlined in black. These Boat Lanes either are shallower than your safe depth setting or they are at a Mean Lower Low Water or unknown depth. Extra caution is advised while navigating shallow depth and unknown depth lanes.

NOTICE: Mean Lower Low Water (MLLW) is an average of the lowest tide recorded at a tide station each day over the course of several years. Many locations use predictive data obtained from NOAA, which can vary in accuracy. When using Boat Lanes, it is important to understand that MLLW is just an average and that it's possible for depths to be lower than MLLW due to weather and astronomical effects. Use caution when following Boat Lanes.

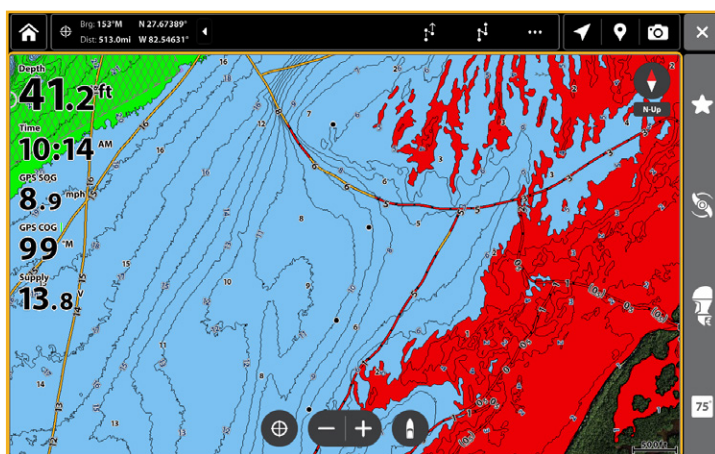
Standard Boat Lane



Connector Lanes (ON)



Shallow Depth Boat Lane



Enable Connector Lanes using the following instructions:

1. From the Map Menu, select Settings.
2. Select Map Objects.
3. Select Navigation.
4. Select Boat Lanes.
5. Select Boat Lane Settings.
6. Tap the check box, or press the ENTER key, to show or hide connector lanes.

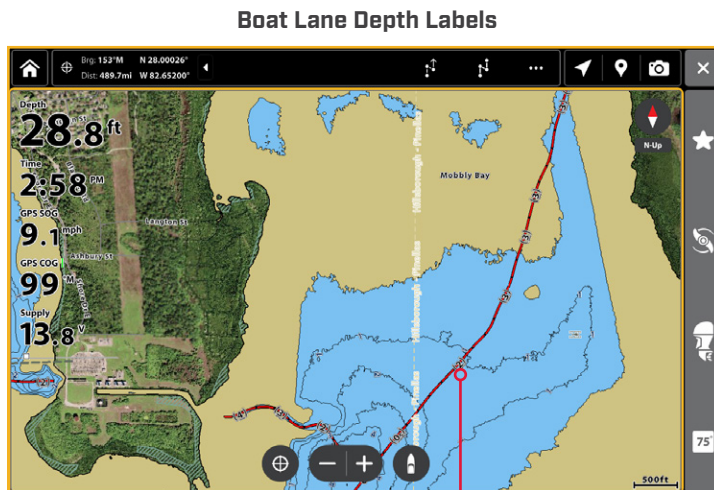
» Display or Hide Boat Lane Depth Labels

Boat Lane Depth Labels indicate the approximate depth of the water recorded by Minn Kota and adjusted as closely as possible to Mean Lower Low Water with the data available (see *Understanding Boat Lanes*).

Positive Depth Labels indicate a drying area and will be underlined and in parentheses. For example, a depth label of (3) indicates a dry area that is estimated to be three feet above water at MLLW. Segments of a Boat Lane at a positive or unknown depth will also be indicated by a red dashed line outlined in black.

You can turn Boat Lane Depth Labels on or off.

1. From the Map Menu, select Settings.
2. Select Map Objects.
3. Select Navigation.
4. Select Boat Lanes.
5. Select Boat Lanes Settings.
6. Under Depth Labels, tap the check box, or press the ENTER key to show or hide depth labels.



positive depth label

FOLLOW THE CONTOUR/SHORELINE

Follow the Contour and Follow the Shoreline allow you to navigate a depth contour using Advanced GPS Navigation and your Minn Kota trolling motor (separate purchase required). You can select a contour line and follow it in either direction, or use the Contour Offset feature to stay a set distance from a contour line or shoreline. Follow the Shoreline works just like Follow the Contour; however, the boat must be within 25 miles of the shoreline.

When you start Advanced GPS Navigation to Follow the Contour/Shoreline, all other types of navigation are stopped on the fish finder and the Ethernet network.



WARNING

See your Advanced GPS Navigation manual for warnings, safety information, and operations instructions. You are responsible for the safe and prudent operation of your boat. Advanced GPS Navigation is designed to be an accurate and reliable tool that will enhance boat operation and improve your ability to catch fish. This product does not relieve you from the responsibility for safe operation of your boat. You must avoid hazards to navigation and always maintain a permanent watch so you can respond to situations as they develop. You must always be prepared to regain manual control of your boat. Learn to operate Advanced GPS Navigation in an area free from hazards and obstacles.

1. PREPARATION »

Before you use Follow the Contour, contour lines should be displayed on the Map View.

» Set Contour Lines to Visible

1. From the Map Menu, select Settings.
2. Select Depths/Contours > Contour Lines.
3. Tap the on/off button, or press the ENTER key, to show or hide contour lines.

» Set the Contour Offset

You can set Contour Offset to maintain a set distance from a contour line. If you want to navigate along a shoreline, use Contour Offset to maintain a safe distance from the shoreline. Contour Offset is a distance setting only, and does not measure water depth. Enter the Contour Offset based on your knowledge of the water depth in your current area.

No Offset: If you want to navigate the contour without an offset, you can skip this section.

During Navigation: Contour Offset can be adjusted while Follow the Contour navigation is in progress by selecting Contour Offset from the Go To menu or Adjust from the Trolling Motor side bar.



WARNING

Contour Offset does NOT account for changes in water depth. It is important to be aware of depth variations in your current area and adjust the Contour Offset as needed.

To set the Contour Offset, your boat must be positioned within 1/4 mile of the selected contour.

1. Tap the contour line you plan to follow.
OR
Use the Cursor pad/Joystick to move the cursor to select a contour line.
2. Select Go To > Follow the Contour.
3. Select Contour Offset. Tap the +/- buttons, or the +/- ZOOM keys, to adjust the offset.
To remove the offset, set the offset to 0 (off).

2. START FOLLOW THE CONTOUR NAVIGATION »

You can start navigation if the boat position is within 1/4 mile of the selected contour.



WARNING

If the selected contour is a shoreline, set the Contour Offset. See Preparation: Set the Contour Offset.

Contour Offset does NOT account for changes in water depth. It is important to be aware of depth variations in your current location and adjust the Contour Offset as needed.

NOTICE: When the Advanced GPS Navigation is following the contour, the Current Track is not saved and iTracks cannot be recorded.

1. Tap the contour line you plan to follow.
OR
Use the Cursor pad/Joystick to move the cursor to select a contour line.
OR
Proceed to Step 2 to start Follow the Contour at the boat position.
2. Select Navigation > Follow the Contour.
3. Select a navigation direction from the submenu.
The navigation direction is previewed in orange or purple on the Map View.
4. Power on the trolling motor to begin navigation. Refer to the Advanced GPS Navigation operations manual for additional information.

» Adjust the Contour Offset during Navigation

1. Press the Navigation key to open the Navigation menu.
2. Select Contour Offset.
3. Tap the +/- buttons, or the +/- ZOOM keys, to adjust the offset.
To remove the offset, set the offset to 0 (off).
OR
 1. Tap Adjust from the trolling motor side bar.
 2. Drag the slider, or press the +/- ZOOM keys, to adjust the contour offset.

» Jog the Contour Offset during Navigation

1. Press the Navigation key to open the Navigation menu.
2. Select Adjust.
3. Select Contour Jog Shallower or Contour Jog Deeper.

NOTICE: The Jog feature is only available on the fish finder Follow the Contour was started on.

FOLLOW THE CONTOUR/SHORELINE



» Reverse Direction

- 1. Press the Navigation key to open the Navigation menu.
 - 2. Select Reverse.
- OR
- 1. Tap Reverse from the trolling motor side bar.

» Cancel Navigation

- Use the following instructions to cancel navigation.
- 1. Press the Navigation key to open the Navigation menu.
 - 2. Select Cancel Navigation.
- OR
- 1. Tap Cancel from the trolling motor side bar.



SAVE AND EXPORT NAVIGATION DATA



When you mark waypoints or save routes, tracks, and groups, they are saved to the fish finder. Then, you can export this navigation data to an SD/microSD card. Navigation data cannot be saved to your Minn Kota Maps card.

CAUTION

Do NOT export navigation data (waypoints, routes, tracks, etc.) to your Minn Kota Maps card. Saving data to your map card will permanently damage it.

EXPORT NAVIGATION DATA TO A BLANK SD/MICROSD CARD >

1.

Install a formatted SD card into the front fish finder port or have the Minn Kota Fishing App synced to your fish finder.
2.

Press the HOME key.
3.

Select the My Data tool.
4.

Select Export All To...
5.

Select a Save Location: Select which SD Card to save the data to, or select to transfer the data to the Minn Kota Fishing App.
- All saved navigation data will be exported to the selected location.





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Part #533139-1_A

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