



INTRODUCTION »

Minn Kota Maps cards are compatible with the following fish finders:

- X Series
- A Series
- APEX Series
- XPLORE Series
- SOLIX G3 Series

To review the latest compatibility information and to download a detailed Minn Kota Maps user guide, visit our Web site at minnkota.johnsonoutdoors.com.

NOTICE: For HELIX compatibility, visit minnkota.johnsonoutdoors.com for more information.

MINN KOTA MAPS CARDS »

Your fish finder is compatible with a microSD card. It is important to note the following guidelines:



CAUTION

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

- Do not force the card into the slot. The card should click easily into place.
- **Do not leave the card slot cover open.** Close the slot cover to prevent water damage to the unit.

GETTING STARTED >

> Power On

1. Press the POWER  key.
2. Choose your startup mode. If you are on the water with GPS reception, select Normal mode. If you are off the water without GPS reception, select Simulator mode.

> 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. To download the latest software, select Check for Updates. For complete details about the software update process, see your fish finder manual.

Minn Kota Maps requires fish finder software version 7.0 and later.

> Open 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]

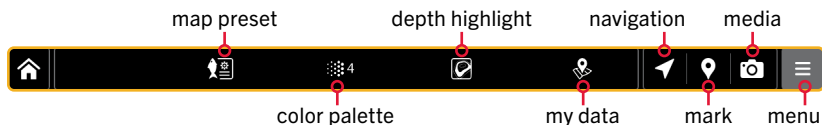


Map View [Views]



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.



Select 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.

Map Preset



Fishing



Navigation



User

Select a Color Palette

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

OR

From the Map Menu, select Settings > Depths/Contours > Color Palette.

2. Select a color palette.

▶ Set 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.

- 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.

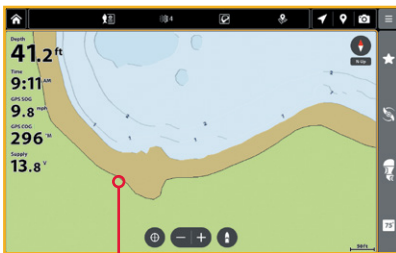
1. From the Map Menu, select Water Level Offset.
2. Tap the on/off button, or press the ENTER key, to turn it on.
3. Tap the +/- buttons or press and hold the slider to adjust the setting.

Water Level Offset [Off]



shoreline

Water Level Offset [On]



new shoreline with water level offset set to -3

▶ Set Depth Highlights

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

- **Depth Highlights** allow you to select up to four depth ranges to be highlighted on the map.
- **Shallow Water Highlight** identifies shallow waters when the depth is equal to or less than the level you set.

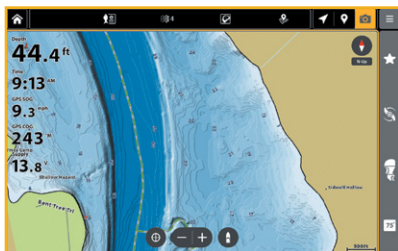
1. With a Map view displayed on-screen, tap the Depth Highlight  icon in the Top Bar.

OR

From the Map Menu, select Settings > Depth Highlight.

2. Edit each depth highlight.

Depth Highlight (Off)



Depth Highlight (On)



Set Safe Depth Level

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.

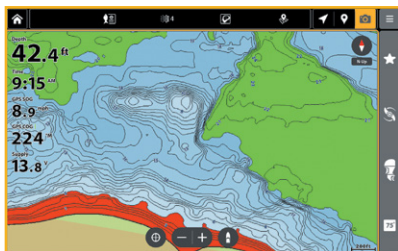
1. From the Map Menu, select Settings > VX Settings > Safe Depth.

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 Contours

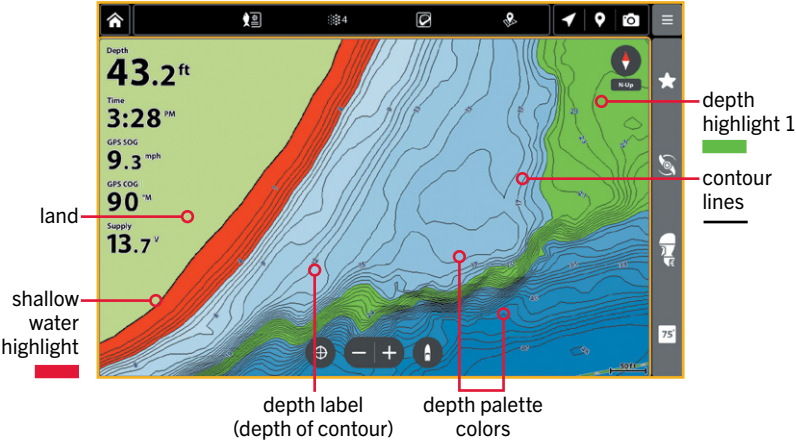


3D Contours

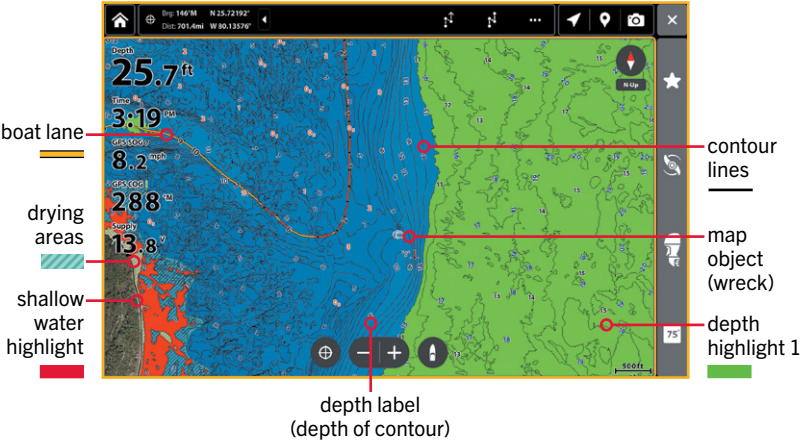


MINN KOTA MAPS IN MAP VIEW >

> Inland Map



> Coastal Map



TIPS FOR USING THE MAP >

> 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.).

> Change Map Source

1. From the Map Menu, select Settings.
2. Select System Settings: Map Source.

> Search Your Map

Search the area for 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.

> Display or Hide Contour Lines

Hide Contour Lines to see more details on the map.

1. From the Map Menu, select Settings.
2. Select Depth/Contours.
3. Turn Contour Lines on/off or edit the density and color.

› 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.

Orientation Icon



PREMIUM FEATURES ›

› Change Layers

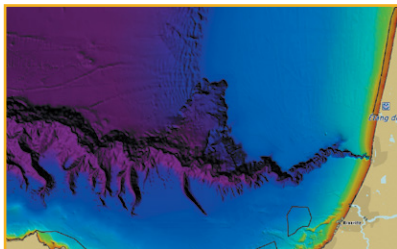
Premium map cards unlock additional map layers in Map View and Map Combo Views, including aerial imagery and shaded relief. Layer transparency can be customized to adjust how much detail appears on the map.

- **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.

Aerial imagery



Shaded Relief



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

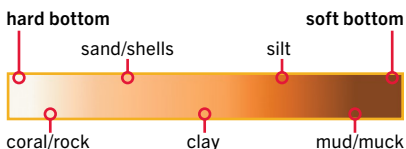
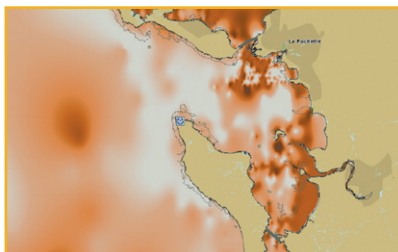
OR

From the Map Menu, select Settings > Layers.

› AutoChart® ZeroLines

Download the AutoChart ZeroLines Accessory Manual from our Web site at minnkota.johnsonoutdoors.com.

Bottom Hardness



› SmartStrike®: Access the SmartStrike Menu

Use SmartStrike to highlight areas of the map where fish are most likely biting (available for HD lakes only).

1. From the Map Menu, select SmartStrike.
2. Select a lake from the Lake List.
3. Set parameters, and click Execute Search.

> Show/Hide Boat Lanes

With select Premium coastal map cards, **Boat Lanes** provide suggested routes to help support on-water navigation. Depending on your Map Preset, Boat Lanes may be turned on or off by default, and can be shown or hidden at any time.



WARNING

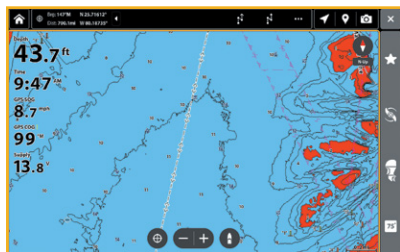
This feature should not be used as a navigational aid to prevent collision, grounding, boat damage, or personal injury. Boat Lanes are an aid to navigation designed to facilitate the use of authorized government charts, not to replace them. Only official government charts and notices to mariners contain 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.

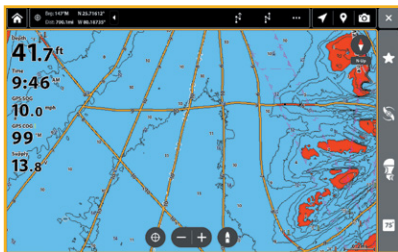
NOTICE: Boat Lanes can be affected by weather, climate, and local tidal factors over time.

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)

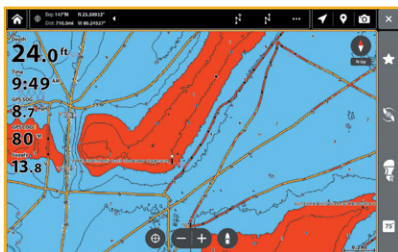


Understanding Boat Lanes

Several different types of lanes are displayed on the maps.

- 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**).

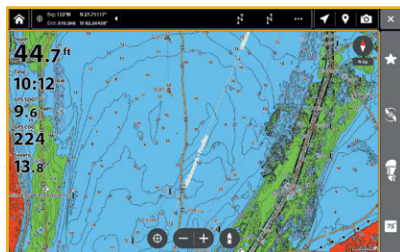
Standard Boat Lane



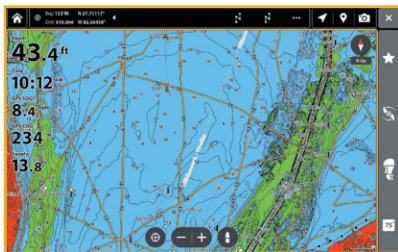
NOTICE: It is up to the captain to determine a safe depth based on their boat and the weather and tide conditions.

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

Connector Lanes (Off)

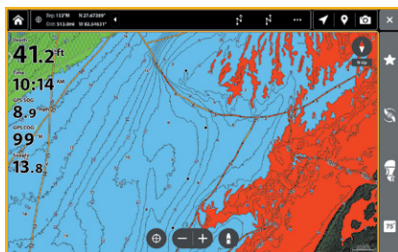


Connector Lanes (On)



- 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.

Shallow Depth Boat Lane



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.

» Display or Hide Boat Lane Depth Labels

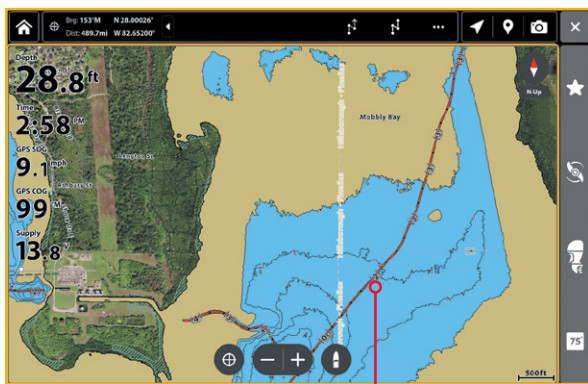
Boat Lane Depth Labels indicate the approximate depth of the water recorded by Minn Kota and adjusted as closely as possible to Mean Lower Low Water with the data available (see ***Understanding Boat Lanes***).

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.

Boat Lane Depth Labels



positive depth label

> The map is not displayed in Map View.

1. Confirm GPS reception.
2. Confirm the fish finder software is up to date.
3. Confirm compatibility on our Web site at minnkota.johnsonoutdoors.com.

> How can I view maps on my fish finder when I am not on the water?

1. Press the HOME  key.
2. Select Settings > Simulation.
3. Tap the On/Off toggle, or press the ENTER key, to start Simulation.
4. This system will restart. Select Simulation Mode.
5. Open a Map view and move the cursor to your desired position on the map.
6. Tap the More  button from the Top Bar, and select the Set Simulation Position  button.

> Can I view the Minn Kota Maps card on my computer?

No, the Minn Kota Maps card is not compatible with your computer. It is only compatible with your Minn Kota fish finder. Installing the Minn Kota Maps card in a computer could corrupt the map files.

> The map displays but seems to redraw slowly as you move across the water.

1. Press the ZOOM (-) key to zoom out of the Map View.
2. Confirm the fish finder software is up to date.

> Additional information

For additional questions, see the FAQ page at minnkota.johnsonoutdoors.com or contact Minn Kota Technical Support through our Help Center at <https://minnkota-help.johnsonoutdoors.com/hc/en-us>.

» Product Warranty & Return Policy

Johnson Outdoors warrants this product against defects in material and workmanship for 1 year from the date of purchase. Defects in materials or workmanship that occur within 1 year of purchase, substantiated by a sales receipt, will either be repaired or replaced without charge at Johnson Outdoors' discretion. **THIS REPAIR OR REPLACEMENT IS THE EXCLUSIVE REMEDY AVAILABLE FOR ANY DEFECT CONCERNING THE PRODUCT OR FOR ANY LOSS OR DAMAGE RESULTING FROM ANY OTHER CAUSE WHATSOEVER. JOHNSON OUTDOORS WILL NOT UNDER ANY CIRCUMSTANCES BE LIABLE TO ANYONE FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL OR OTHER INDIRECT DAMAGES OF ANY KIND.**

This warranty does not apply when: 1. the product has been altered, adjusted or handled in a manner other than in accordance with the instructions furnished with this product: 2. any defect, problem, loss or damage has resulted from any misuse, negligence or carelessness.

» Return of Defective Product

Do not return this product to any retailer. You must return this product directly to Johnson Outdoors. Returned products must have a Return Authorization (RA) number clearly displayed on the outside of the shipping package. Contact Minn Kota Technical Support through our Help Center at <https://minnkota-help.johnsonoutdoors.com/hc/en-us> within 1 year of purchase to obtain the RA. When you return the product, include a valid sales receipt, product UPC, a return address and phone or email contact information. The RA is valid for 30 days from date issued. Product should be returned to: Minn Kota Service Department, 678 Humminbird Lane, Eufaula, AL 36027 USA

Johnson Outdoors reserves the right to examine the product when we receive it to determine if the defect or malfunction is due to a defect in materials or workmanship. Johnson Outdoors will duplicate the original data on all repaired or replaced products. Products that are defective due to any other cause will not be repaired or replaced. Damaged products, not covered by or that are out of warranty may be eligible for repair for a service fee, contact Johnson Outdoors for more information. **WARNING: Never format a Minn Kota Maps SD card. Formatting the card will permanently erase the map data. Never use a Minn Kota Maps SD card to store or transfer data as this may damage the card.**



WARNING

The electronic chart 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 chart 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. Download the Minn Kota Maps User Guide from our Web site at minnkota.johnsonoutdoors.com for more details.

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

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