

SmartStrike Map Card

HELIX Accessory Manual

532476-1EN_A



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Thank you for choosing Humminbird®, the #1 name in marine electronics. Humminbird has built its reputation by designing and manufacturing top quality, thoroughly reliable marine equipment. We encourage you to read this guide carefully in order to get the full benefit from all the features and applications of your Humminbird product.

Contact Humminbird Customer Service at humminbird.com or call 1-800-633-1468.

 **WARNING!** 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.

 **WARNING!** The electronic chart in your Humminbird 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.

 **WARNING!** Do NOT delete or change the lakes or LkMaster folders on the SmartStrike™ map card. Changing these folders will permanently damage the SmartStrike map card.

 **WARNING!** Do not save data files (waypoints, routes, tracks, groups, recordings, screen snapshots, etc.) to the SmartStrike map card.

 **WARNING!** Humminbird 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 control head's data files periodically. Data files should also be saved to your PC before restoring the unit's defaults or updating the software. See your Humminbird online account at humminbird.com and your control head operations manual for details.

 **WARNING!** 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.

 **WARNING!** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

 **WARNING!** Do NOT leave the control head SD card slot cover open. The slot cover should always be closed to prevent water damage to the unit.

 **NOTE:** Some features discussed in this manual require a separate purchase, and some features are only available on international models. Every effort has been made to clearly identify those features. Please read the manual carefully in order to understand the full capabilities of your model.

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

 **NOTE:** To purchase accessories or any additional equipment for your control head configuration, visit our Web site at humminbird.com or contact Humminbird Customer Service at 1-800-633-1468.

 **NOTE:** 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. Humminbird is not responsible for incorrect translations or discrepancies between documents.

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

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.

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To obtain a list of authorized international distributors, please visit our Web site at humminbird.com or contact Humminbird Customer Service at **(334) 687-6613**.

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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.



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OVERVIEW

The SmartStrike map card contains Humminbird LakeMaster map data for freshwater lakes in your region. Use the SmartStrike map card to set specific search parameters, such as fish species and time of day, to locate fish. The search results are highlighted in pink on the Chart Views, so you can quickly target spots to investigate.

SmartStrike

The following features are exclusive to the SmartStrike map card and can be applied to the Chart View and Chart Combo Views:

Species Search	Species Search allows you to search the lake for a specific fish species. Select the species name and the time of year, time of day, weather conditions, wind conditions, and water conditions you want to target.
Preset Searches	Preset Searches allow you to choose a preselected search based on water depth and underwater structure.
Advanced Search	Advanced Search allows you to refine your preset search or create your own search using criteria such as lake region, depth/slope, sun and direction, proximity, and structure.

Humminbird LakeMaster

The following Humminbird LakeMaster features are included on the SmartStrike map card and can be applied to the Chart View and Chart Combo Views. To adjust the menu settings, press the MENU key twice. Select the HB Chart tab. For more information, see your control head operations manual.

Depth Highlight	Highlight a depth setting in the Chart Views. The depth you set will be highlighted in green. Use Depth Highlight with Depth Highlight Range [see below].
Depth Highlight Range	Adjust the range on each side of the highlighted depth, when a Depth Highlight is active in the Chart Views.
Water Level Offset	Change the level of the water being read from the control head. The displayed numbers on the Contour Lines in the Chart Views will adjust from the Water Level Offset setting, and the water level offset will be highlighted in dark brown.
Shallow Water Highlight	Select a minimum shallow depth setting so that the depth is highlighted in red in the Chart Views.

i-Pilot Link

The following features are available if you have i-Pilot Link connected to your HELIX control head and a Minn Kota trolling motor installed on your boat:

Follow the Contour	Navigate a contour on a Humminbird LakeMaster chart. Use Follow the Contour with Contour Offset [see below].
Contour Offset	Set a distance to maintain away from the selected contour line while following a contour.

For more information, see the *i-Pilot Link Installation and Operations Guide*.

UPDATE THE CONTROL HEAD SOFTWARE

It is important to install the latest software update [version 1.210 or later] on your control head to enable SmartStrike.

Compatibility: Visit our Web site at humminbird.com for the latest list of compatible models.

1. Before the control head software is updated or restored to system defaults, export your navigation data and copy your screen snapshots to an SD card. See your control head operations manual for instructions.



WARNING! Humminbird is not responsible for the loss of data files [waypoints, routes, tracks, groups, snapshots, 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 PC and control head data files periodically. See your control head operations manual for more information.

2. Install a blank SD card into the PC card slot.
3. Go to humminbird.com, and select **My Humminbird** to sign in to your account.
4. Select the **My Equipment** tab. The available software updates are listed as **Downloads** under each registered product.
 - Under Downloads, click the file name.
 - Read the instructions in the dialog box and select Download.
 - Follow the on-screen prompts to save the software file to the SD card.
5. Repeat step 4 to download the software updates posted to each registered product.
6. Power on your Humminbird control head. Start **Normal** mode.
7. Insert the SD card [with the software file] into the control head card slot.
8. Follow the on-screen prompts to update the control head software. See your control head operations manual for more details.
9. When the software update is complete, remove the SD card from the control head card slot and restart the control head.

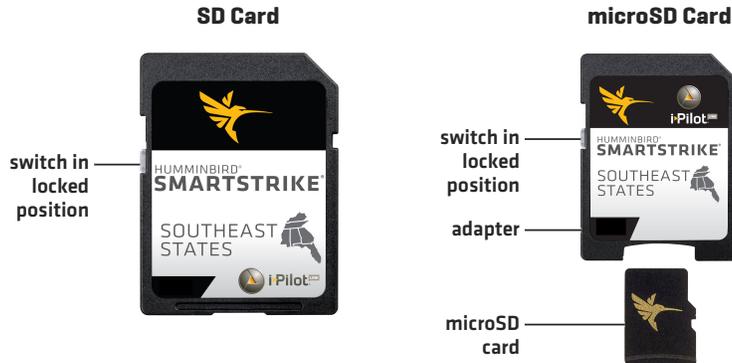
SET UP SMARTSTRIKE

Use the instructions in this section to use SmartStrike on your HELIX control head.

1 | Install the SmartStrike Map Card

Your control head is compatible with either an SD card or a microSD card. If you do not know how to insert the card into the control head, see your control head operations manual for information. It is important to note the following guidelines to install the card:

- Confirm the map card is locked [see the illustrations below].
- Do not force the card into the slot. The card should click easily in place.
- Do not leave the card slot cover open. Close the slot cover to prevent water damage to the unit.



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

WARNING! Do NOT save data files [waypoints, routes, tracks, groups, recordings, screen snapshots, etc.] to the map card.

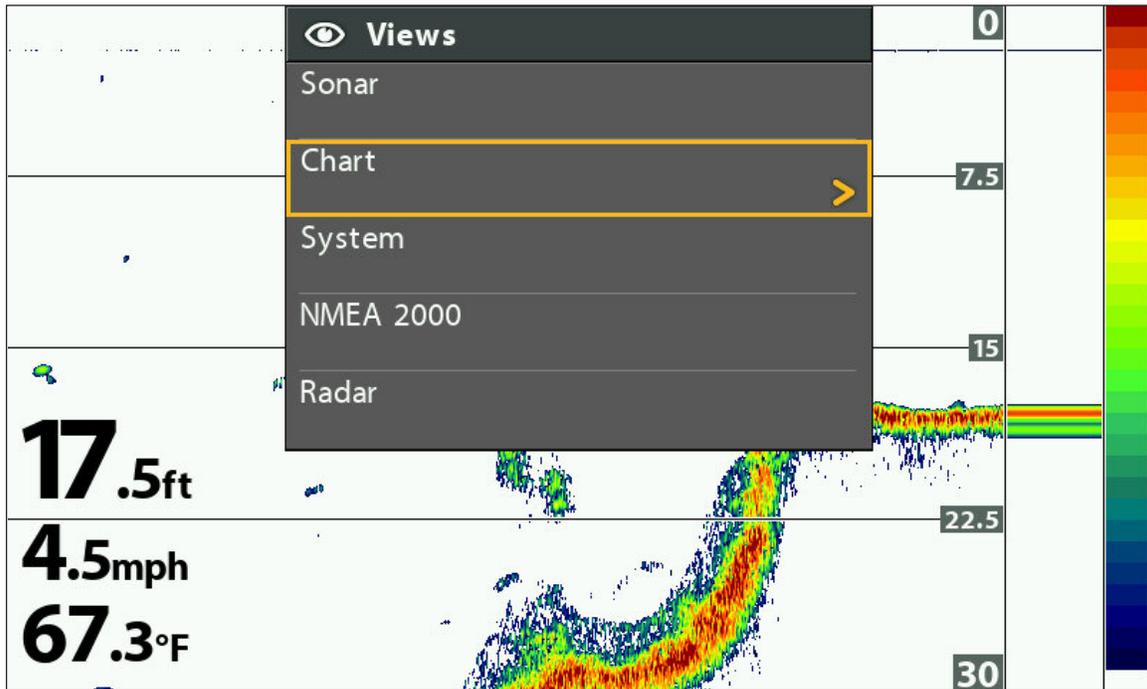
WARNING! Do NOT leave the control head card slot cover open. The slot cover should always be closed to prevent water damage to the unit.

2 | Open a Chart View

SmartStrike features are available in the Chart View and Chart Combo Views.

1. Press and hold the VIEW key.
2. Select Chart. Press the RIGHT Cursor key.
3. Select Chart View or a Chart Combo View. Press the RIGHT Cursor key.

Opening the Views X-Press Menu



Press and Hold to Open
the Views X-Press Menu

3 | Open the SmartStrike Menu

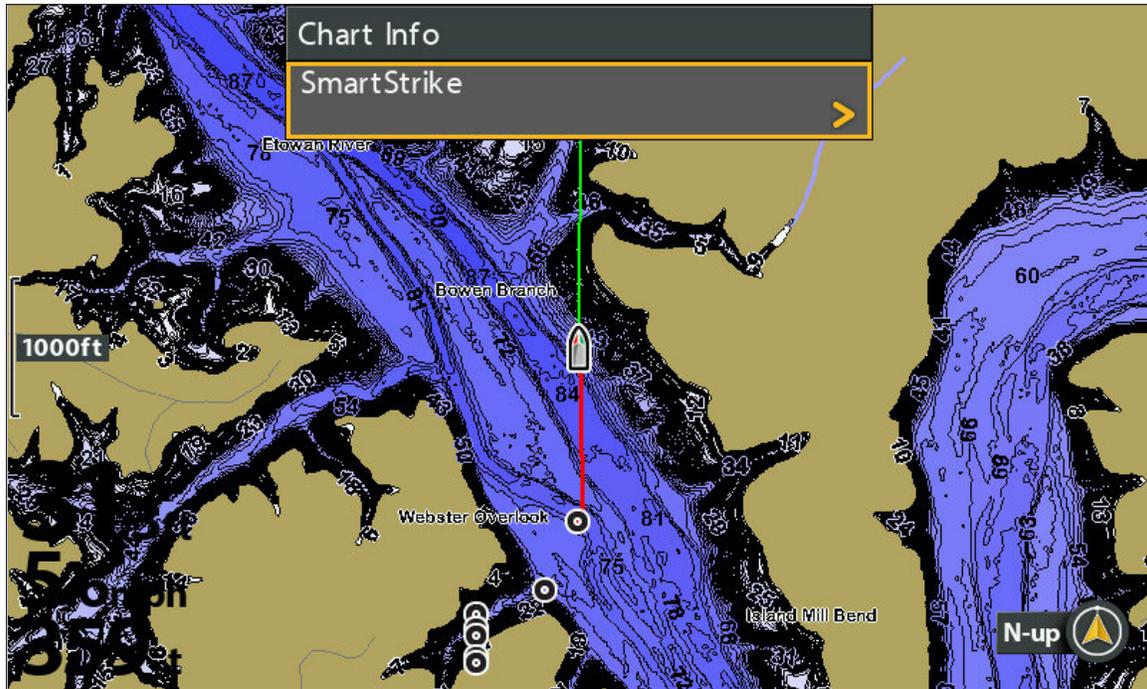
The SmartStrike menu can be opened from the Chart View and Chart Combo Views.

1. Press the CHECK/INFO key.
2. Press the RIGHT Cursor key.



NOTE: The SmartStrike Menu will not display when the cursor is active. If the SmartStrike Menu does not display, press the EXIT key to remove the active cursor. Also, confirm the SmartStrike map card is installed correctly in one of the SD card slots on the control head. For additional assistance, visit our Web site at humminbird.com or contact Customer Service.

Opening the SmartStrike Menu



Open the
SmartStrike Menu

4 | Select the Lake

To use SmartStrike, you must first select the lake where you are fishing. For larger lakes, there may be multiple menu options available for specific areas of the lake. The selected lake will be saved if you shut off the control head.

Change Lakes: If you change lake locations after initial setup, or to search a different lake, change the lake location in the SmartStrike menu [see *Edit Search Criteria: Change the Selected Lake*].

Select the Current Lake

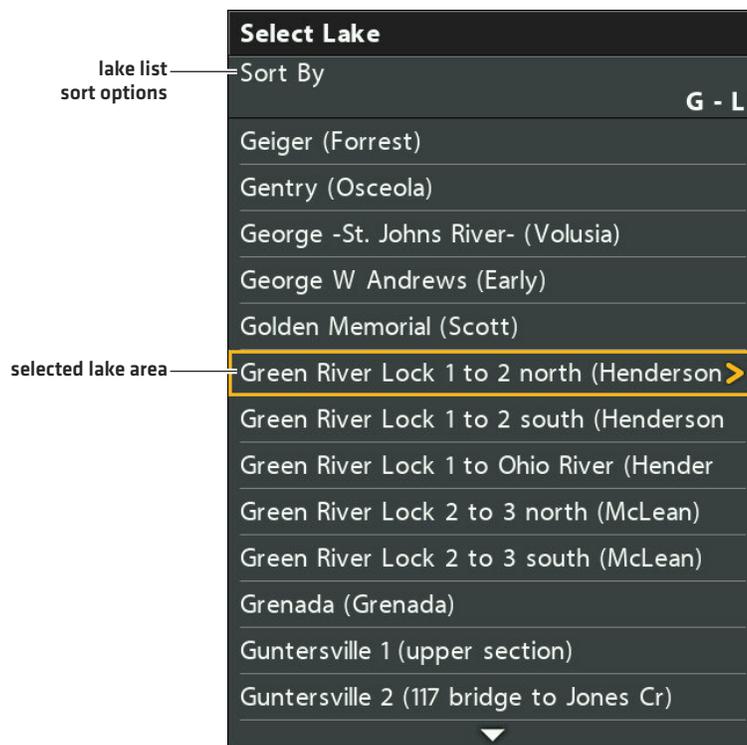
1. Follow the menu prompts to select a lake.
2. Press the RIGHT Cursor key.

Sort By: Select the Sort By field, and press the RIGHT or LEFT Cursor keys to select a sort option for the list.

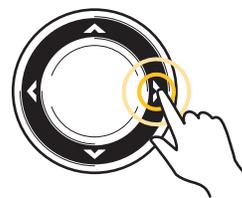
Scroll: Press the UP or DOWN Cursor keys to scroll through the list.

Display: Select a lake on the list. Press the RIGHT Cursor key.

Selecting a Lake



Scroll through the List



Select

SEARCH FOR SPECIES

Use Species Search to target a specific fish species. The available search options are determined by the selected lake and the selected species. The search criteria is saved until you start a new species search or until the control head is powered off.

1. **Open the SmartStrike Menu:** Press the CHECK/INFO key.
Select SmartStrike. Press the RIGHT Cursor key.
2. Select the  Species tab.
3. Select Target Species.
4. Press the RIGHT or LEFT Cursor keys to select a species.
5. **Optional:** Use the Cursor Control key to select from any of the additional search options shown below. Press the RIGHT or LEFT Cursor keys to select a search option.

Time of Year	Select the time of year you want to target.
Time of Day	Select the time of day you want to target.
Weather	Select the weather conditions you want to target.
Wind	Select the wind conditions you want to target.
Water	Select the water conditions you want to target.

6. **Start Search:** Select Execute Search. Press the RIGHT Cursor key.

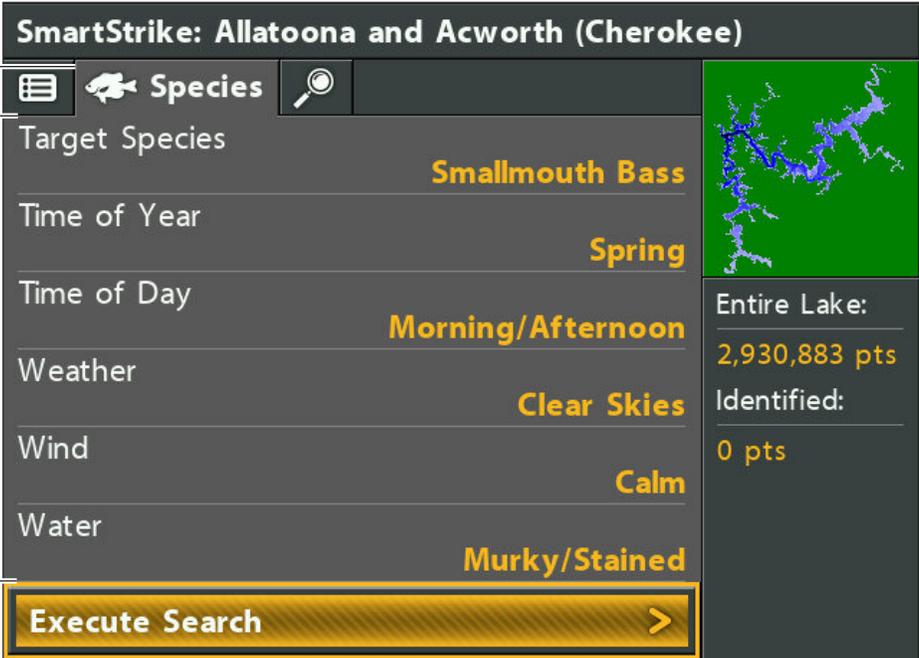


NOTE: To understand the search results, see **Review Search Results**.

Selecting Search Options for a Species Search

species tab

search options



The image shows a search options menu for a species search. The menu is titled "SmartStrike: Allatoona and Acworth (Cherokee)". It features a "Species" tab with a magnifying glass icon. The menu lists several search options with their current values: Target Species (Smallmouth Bass), Time of Year (Spring), Time of Day (Morning/Afternoon), Weather (Clear Skies), Wind (Calm), and Water (Murky/Stained). A summary box on the right shows "Entire Lake: 2,930,883 pts" and "Identified: 0 pts". At the bottom is an "Execute Search" button with a right arrow.

Search Option	Current Value
Target Species	Smallmouth Bass
Time of Year	Spring
Time of Day	Morning/Afternoon
Weather	Clear Skies
Wind	Calm
Water	Murky/Stained

Entire Lake: 2,930,883 pts
Identified: 0 pts

Execute Search >



Scroll through the List



Change Settings

Starting the Species Search

SmartStrike: Allatoona and Acworth (Cherokee)

Species 

Target Species: **Smallmouth Bass**

Time of Year: **Spring**

Time of Day: **Morning/Afternoon**

Weather: **Clear Skies**

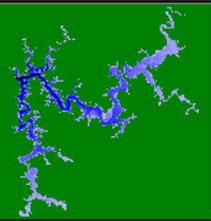
Wind: **Calm**

Water: **Murky/Stained**

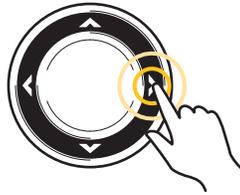
Entire Lake: 2,930,883 pts

Identified: 0 pts

Execute Search >



start search



Execute Search

SEARCH FOR STRUCTURE, SPOTS, FEEDING SHELVES, AND MORE (PRESET AND ADVANCED SEARCHES)

Preset Searches allow you to target structure, spots, and feeding shelves based on depth. You can also add advanced criteria to your search such as lake region, sun exposure, distance, and more.

The available Preset Searches are determined by the selected lake and the other conditions you select. For example, if you select a lake where the deepest water is 25 feet, the deep water Preset Searches or certain search options may not be available.

The search criteria is saved until you start a new search or until the control head is powered off.



NOTE: The criteria in the Advanced tab does not apply to the Species search. They are independent searches.

Start a Preset Search

1. **Open the SmartStrike Menu:** Press the CHECK/INFO key.
Select SmartStrike. Press the RIGHT Cursor key.
2. Select the  Advanced tab.
3. Select Preset Searches. Press the RIGHT Cursor key.
4. Select a depth or Other. Press the RIGHT Cursor key.

Shallow	0 to 15 feet [0 to 4.6 meters]
Mid-Depth	16 to 30 feet [4.9 to 9.1 meters]
Deep	31 to 45 feet [9.4 to 13.7 meters]
Other	Select drop-offs, structures at weedline, or structures at thermocline. To make your selection, press the RIGHT Cursor key. Proceed to step 6.



NOTE: The depth parameters are estimated. To refine the depth search, see **Start an Advanced Search**.

5. Select a search option. Press the RIGHT Cursor key.

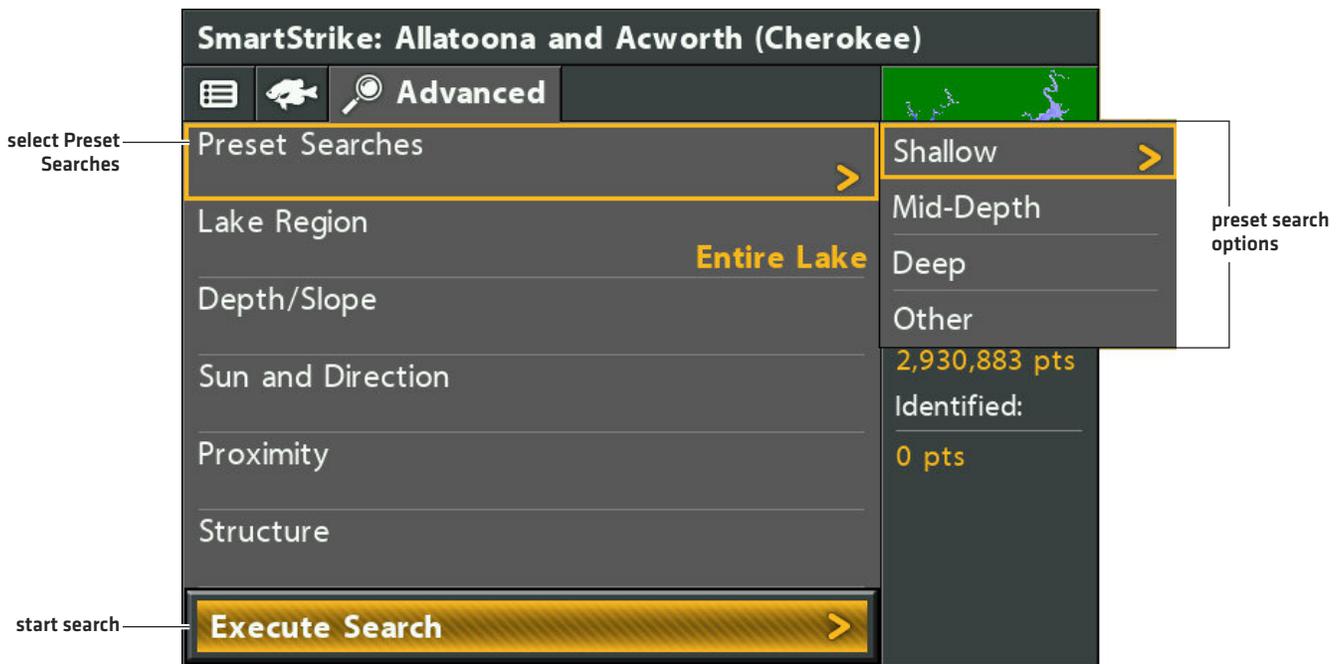
Structure	Search for fish-attracting structure on the lake bottom, such as points, humps, wrecks, timber, rocks, creek beds, and drop-offs. To refine the structure search, see Start an Advanced Search .
Spots on Spots	Search for structure on top of geographical variations on the lake bottom. For example, rocks or timber on a ledge, lip, or drop off.
Feeding Shelves	Search for underwater shelves or flats.

6. **Start Search:** Select Execute Search. Press the RIGHT Cursor key.

OR

Advanced [Optional]: To edit the advanced filters for your search, see **Start an Advanced Search**.

Selecting a Preset Search



Scroll through the List



Select



NOTE: To understand the search results, see **Review Search Results**.

Start an Advanced Search

You can create a search based on the advanced options shown below. You can also edit these advanced options for your Preset Search [see **Start a Preset Search**].

1. **Open the SmartStrike Menu:** Press the CHECK/INFO key.
Select SmartStrike. Press the RIGHT Cursor key.
2. Select the  Advanced tab.
3. Select any of the advanced search options [shown below]. Press the RIGHT Cursor key.

Change Setting: Press the RIGHT or LEFT Cursor keys.

Add/Remove Check Mark: Press the RIGHT Cursor key. [check mark = search, blank = do not search]

Close a Menu: Press the EXIT key.

Lake Region	Select the areas of the lake where you want to focus your search. For example, select the entire lake or inlets, coves, or channels.
Depth/Slope	<p>Depth Range: Select specific depth values for your search. For example, to search a depth range between 5 and 20 feet from the bottom, set the Depth Range to Between, and set the Depth Start to 5 and the Depth End to 20. See the illustration Selecting Advanced Search Options for Depth/Slope.</p> <p>Slope: Add a check mark next to the bottom type you want to target. As you select a depth range, the options for slope will change.</p>
Sun and Direction	<p>Sun Exposure: Select sunny or shady areas. When an exposure level has been selected, you can also select the Season and Time of day to search.</p> <p>Direction: Add a check mark next to the sun direction you want to target. As you select from the Sun Exposure menu, the options for sun direction will change.</p>
Proximity	Select a specific distance from a lake feature. For example, to search an area less than 80 feet from the shoreline, set Proximity to Less Than, Distance to 80 ft, 27 yds, 25m, and Distance From to Shoreline.
Structure	Select from a list of possible structure for the selected lake. You can select more than one type of structure in this list.



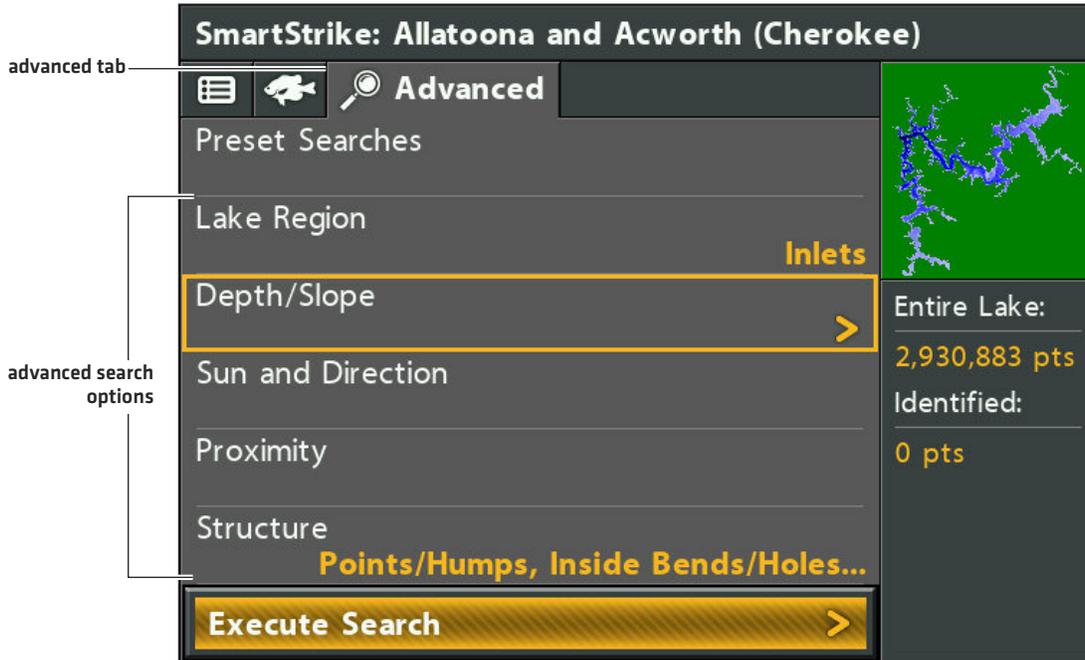
NOTE: The depth parameters are estimated.

4. **Start Search:** Select Execute Search. Press the RIGHT Cursor key.

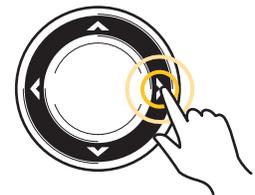
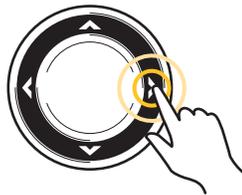


NOTE: To understand the search results, see **Review Search Results**.

Selecting Advanced Search Options



Selecting Advanced Search Options for Depth/Slope



REVIEW SEARCH RESULTS

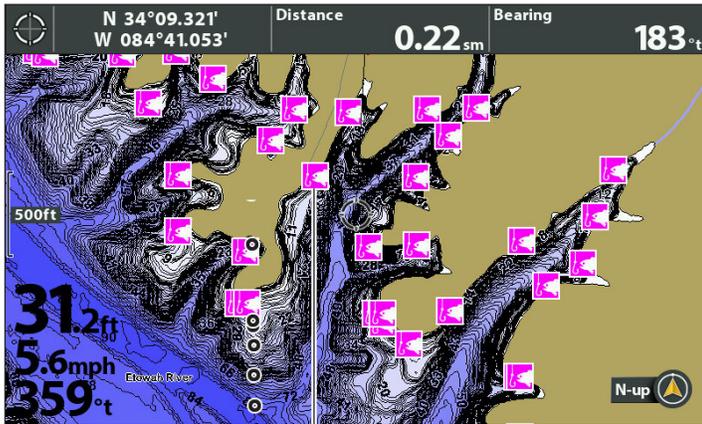
After you execute a Species Search or a Preset/Advanced Search, the results are displayed in the Chart View and the SmartStrike menu.

Review Detailed Search Results in the Chart View

The Chart View displays the identified points from the search results with SmartStrike icons. To see the search area details, zoom in.

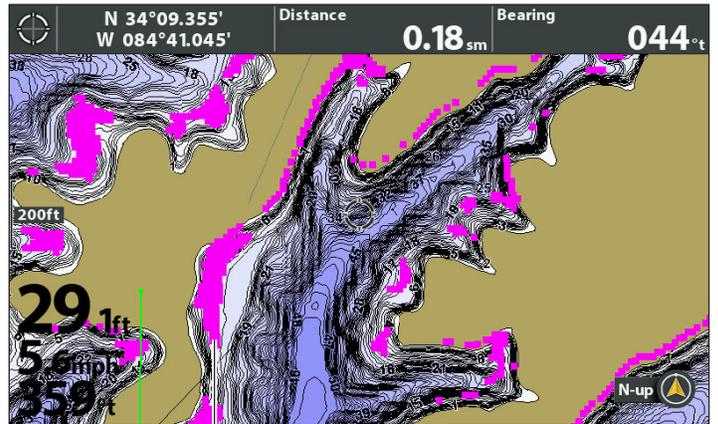
1. To execute a search, see *Search for Species* or *Search for Structure, Spots, Feeding Shelves, and More (Preset and Advanced Searches)*.
2. Use the Cursor Control key to move the cursor to a SmartStrike icon on the view.
3. **Zoom In:** Press the +ZOOM key.
Zoom Out: Press the -ZOOM key.
4. **Close:** Press the EXIT key.

Chart View with SmartStrike Icons



SmartStrike icons show identified points from search results

Zooming in to see SmartStrike Search Details



pink highlighted areas identify search results in detail

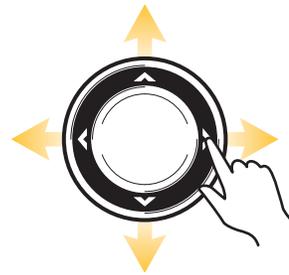


ZOOM In



ZOOM Out

OR



Move the Cursor



ZOOM In

Review Identified Points in the SmartStrike Menu

The SmartStrike menu shows a preview of the searched lake, the total SmartStrike points available, and the points identified by the last executed search.

1. To execute a search, see *Search for Species* or *Search for Structure, Spots, Feeding Shelves, and More [Preset and Advanced Searches]*.
2. **Open the SmartStrike Menu:** Press the CHECK/INFO key.
Select SmartStrike. Press the RIGHT Cursor key.
3. Review the Identified points number [see the illustration below].
4. **Close:** Press the EXIT key.

Reviewing Search Results from the SmartStrike Menu

The screenshot displays the SmartStrike menu for the lake "Allatoona and Acworth (Cherokee)". The menu is organized into several sections:

- Header:** "SmartStrike: Allatoona and Acworth (Cherokee)" with a "selected lake" label pointing to it.
- Navigation:** A top bar with a list icon, a fish icon labeled "Species", and a magnifying glass icon.
- Search Criteria:** A list of filters with their current values:
 - Target Species: **Smallmouth Bass**
 - Time of Year: **Spring**
 - Time of Day: **Morning/Afternoon**
 - Weather: **Clear Skies**
 - Wind: **Calm**
 - Water: **Murky/Stained**
- Map:** A satellite-style map of the lake with a "lake preview" label pointing to it.
- Point Counts:** A summary section on the right:
 - Entire Lake: **2,930,883 pts** (labeled "total points")
 - Identified: **69,819 pts** (labeled "points from last executed search")
- Action:** A large yellow button at the bottom labeled "Execute Search" with a right-pointing arrow.

HIDE/SHOW SEARCH RESULTS

Hide/Show Search Results

Use the instructions in this section to hide search results temporarily from the Chart View. To delete the results, see **Clear Search Results**.

1. **Open the SmartStrike Menu:** Press the CHECK/INFO key.
Select SmartStrike. Press the RIGHT Cursor key.
2. Select Display Results.
3. Press the RIGHT Cursor key. [check mark = visible, blank = hidden]

Show: To display the results again, add a check mark to Display Results.

Clear Search Results

Use Clear Search Results to delete the search results from the Chart View. Your last search criteria is still saved in the SmartStrike menu, so you can execute the search again. To hide search results temporarily from the display, so they can be displayed again quickly, see **Hide/Show Search Results** in this section.

1. **Open the SmartStrike Menu:** Press the CHECK/INFO key.
Select SmartStrike. Press the RIGHT Cursor key.
2. Select Clear Results.
3. Press the RIGHT Cursor key.

EDIT SEARCH CRITERIA

Edit Search Criteria

The SmartStrike menu saves your most recent search until the control head is powered off. To run a search again, select the Execute Search menu in the Species tab or the Advanced tab. You can edit the search at any time. See ***Search for Species*** or ***Search for Structure, Spots, Feeding Shelves, and More***.

Clear Search Criteria

Use Clear Criteria to reset the search criteria in the SmartStrike menu. The latest search criteria will be deleted, and the SmartStrike menu will be reset to its default settings.

1. **Open the SmartStrike Menu:** Press the CHECK/INFO key.
Select SmartStrike. Press the RIGHT Cursor key.
2. Select Clear Criteria.
3. Press the RIGHT Cursor key.

Change the Selected Lake

If you change lake areas after initial setup (see ***Set up SmartStrike***), or to search a different lake, use the following instructions to change the lake location in the SmartStrike menu.

1. **Open the SmartStrike Menu:** Press the CHECK/INFO key.
Select SmartStrike. Press the RIGHT Cursor key.
2. Choose Select Lake.
3. Press the RIGHT Cursor key.

Sort By: Select the Sort By field, and press the RIGHT or LEFT Cursor keys to select a sort option for the list.

Scroll: Press the UP or DOWN Cursor keys to scroll through the list.

Display: Select a lake on the list. Press the RIGHT Cursor key.

Selecting a Lake

lake list
sort options

selected lake area

Select Lake

Sort By G - L

Geiger (Forrest)

Gentry (Osceola)

George -St. Johns River- (Volusia)

George W Andrews (Early)

Golden Memorial (Scott)

Green River Lock 1 to 2 north (Henderson >

Green River Lock 1 to 2 south (Henderson)

Green River Lock 1 to Ohio River (Hender

Green River Lock 2 to 3 north (McLean)

Green River Lock 2 to 3 south (McLean)

Grenada (Grenada)

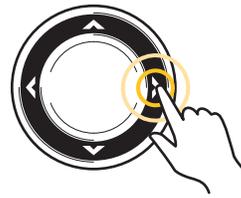
Guntersville 1 (upper section)

Guntersville 2 (117 bridge to Jones Cr)

▼



Scroll through the List



Select

CONTACT HUMMINBIRD

Contact Humminbird Customer Service in any of the following ways:

Web site:

humminbird.com

E-mail:

service@humminbird.com

Telephone:

1-800-633-1468

Direct Shipping:

Humminbird
Service Department
678 Humminbird Lane
Eufaula, AL 36027 USA

Hours of Operation:

Monday - Friday

8:00 a.m. to 4:30 p.m. [Central Standard Time]

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[YouTube.com/humminbirdtv](https://www.youtube.com/humminbirdtv)

