



Using the Coverage Driver to Monitor Side Scan Coverage

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The Coverage driver draws a series of contiguous polygons to a DIG chart file representing the area covered by your survey. This chart file is saved to your project folder.

Each time you start line, a colored swath draws to the Area Map according to the parameters in the Coverage Driver setup. Though you set these parameters initially in HYPACK® HARDWARE, the device window for the Coverage.dll in SURVEY enables you to modify your settings in real time during SURVEY.

FIGURE 1. Coverage.dll Setup Dialog

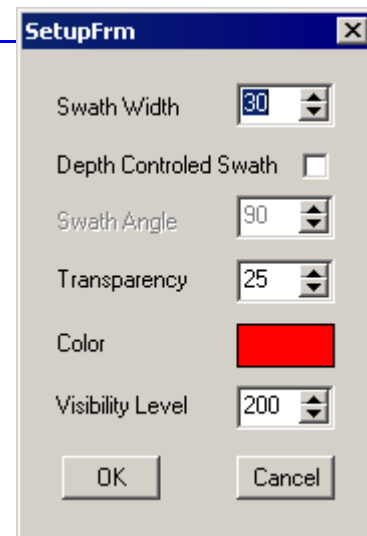
The swath width can be user-defined or calculated.

- **User-defined Swath Width:** Clear the Depth Controlled Swath option and enter a Swath Width. SIDE SCAN SURVEY draws polygons of user-defined width and centered on the vessel tracking point.
- **Calculated Swath Width:** Check the Depth Controlled Swath option and enter the angle of your swath. SIDE SCAN SURVEY draws the polygons based on depth information and the Swath Angle.

Transparency enables you to see features behind the swath (such as charts). Areas where you have achieved 200 percent coverage will be a darker shade of the user-defined swath **color**.

Visibility Level allows you to adjust the draw order of the swath in the SIDE SCAN SURVEY display. (It is probably easier to accept the default and modify the draw order in SIDE SCAN SURVEY.)

Each time you end line, these swaths are saved in the project folder to a DIG chart file with the same root file name as the corresponding raw data file. The Area Map in SURVEY automatically displays each DIG chart.



Tip: To minimize the file number, you can periodically consolidate the DIG files into a DXF chart in the EXPORT program.

FIGURE 2. Coverage.dll displays in the Area Map in SURVEY

