



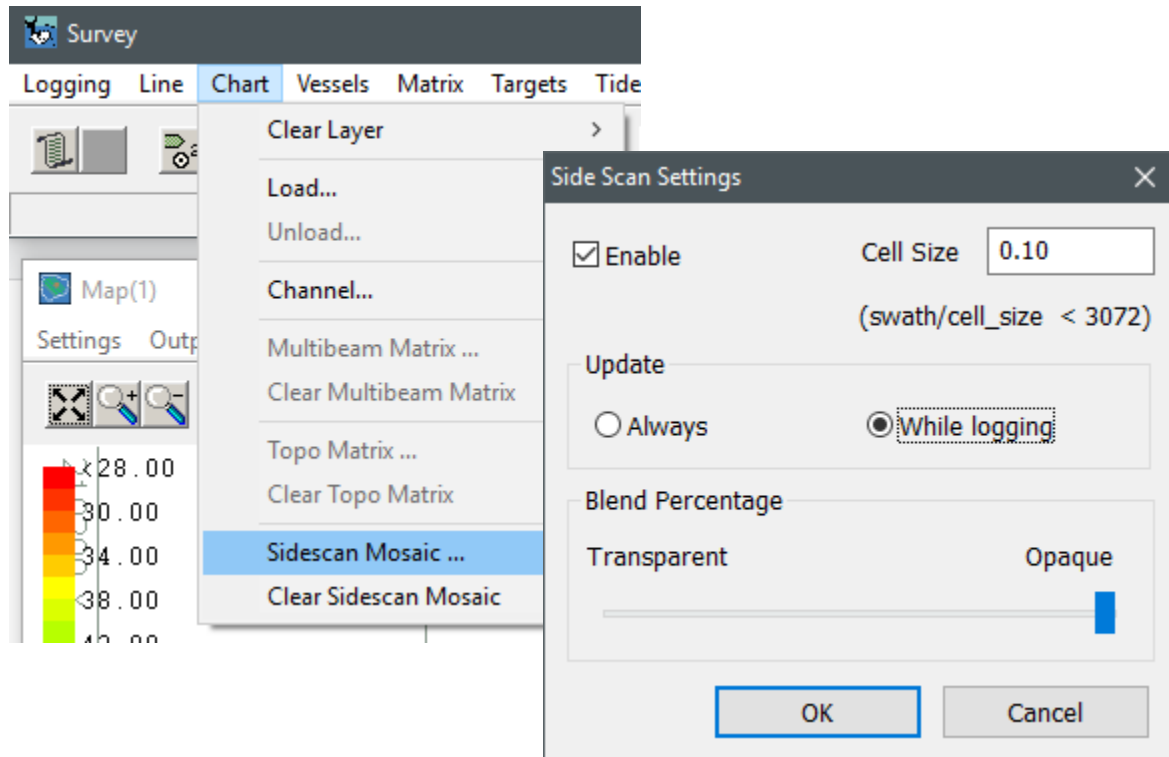
Real-time Side Scan Survey Mosaicking

By Daniel Tobin

While running a side-scan survey, you can configure HYPACK® SURVEY to display your side-scan data on your map. This is useful for several reasons, chiefly for ensuring full coverage in your survey area.

When you've configured your side scan image to your liking, you can enable real-time mosaicking. Select CHART-SIDESCAN MOSAIC and check the Enable option in the Side Scan Settings dialog.

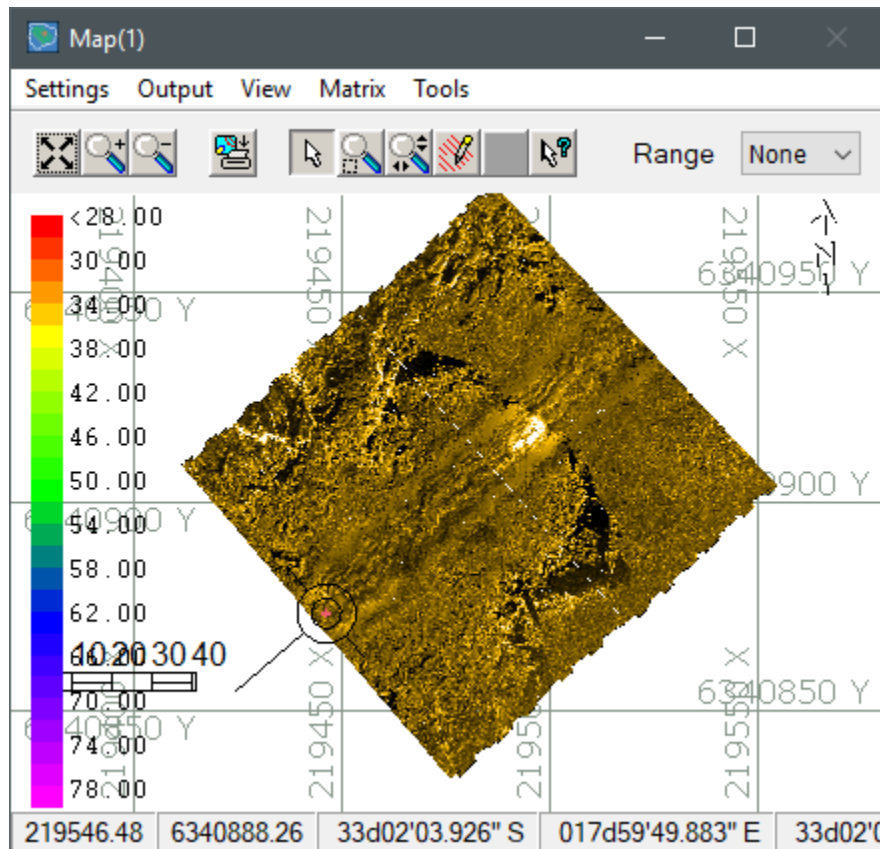
FIGURE 1. Enabling Real-time Side Scan Mosaics in HYPACK® SURVEY



You can also use the Clear Sidescan Mosaic menu item to erase the mosaics you've made in this survey session. This will affect neither previous surveys, nor your actual recorded side scan data, only the real-time mosaic imagery.

"Cell Size" adjusts your work units to pixels ratio. In this instance, we are drawing 10 centimeters per pixel. "Update" changes when the mosaic should be drawn. It is recommended to leave this on "While logging" so you know the data on your map is being recorded. "Blend Percentage" adjusts the transparency of the mosaic. You can use this to see where your side scan lines overlap or to see the chart behind the imagery.

FIGURE 2. Example of Real-time Side Scan Mosaic



After you've finished your survey, you can view your real-time side scan mosaics in the HYPACK® shell by enabling the Real Time Mosaic folder in your Project Items list.

FIGURE 3. Enabling the Project Real-time Mosaics

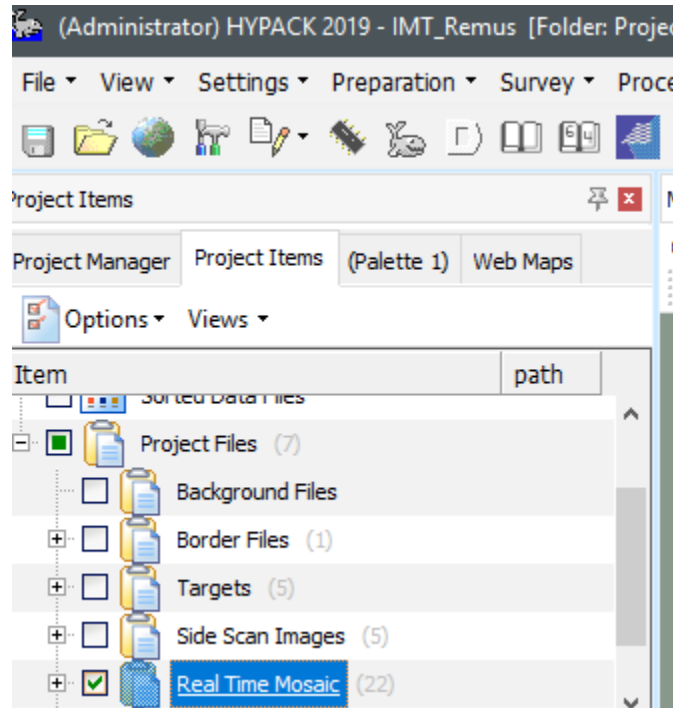
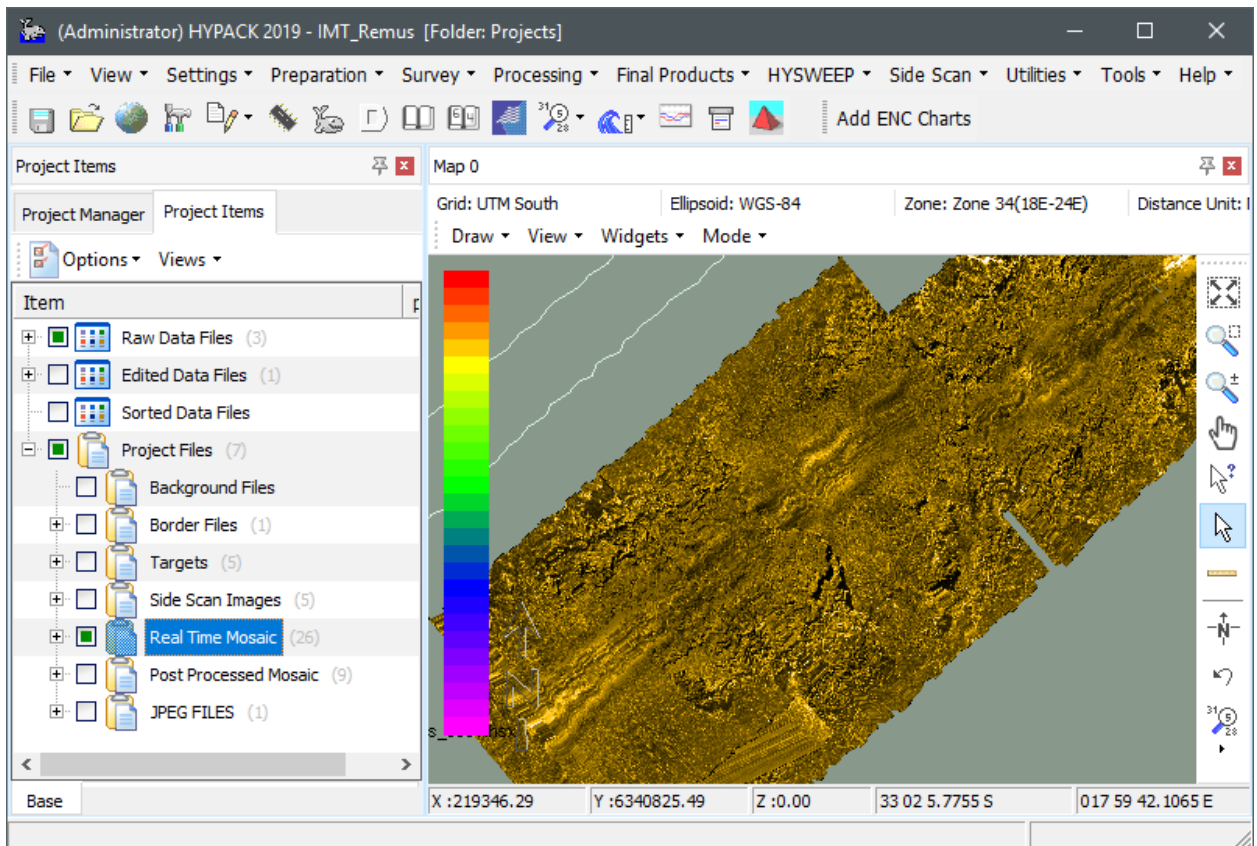


FIGURE 4. Real-time Mosaics Displayed in the HYPACK® Map Window



While post-processing your side scan data will produce a nicer image, this is an effective way to quickly identify targets and ensure coverage.