



Golden Sounding Update in MBMAX64

By Mike Kalmbach

If you use Golden Soundings in editing, there is a change that might interest you. The change allows golden soundings to be appended to final (gridded) XYZ output. This save option is shown below.

Save Survey

File Format

☐ HS2x - HYSWEEP Edit 64 Bit ☐ HS2 - HYSWEEP Edit 32 Bit ☒ XYZ

☐ MTX - HYSWEEP Matrix ☐ Export ☐ GSF

☐ LAS ☐ BAG - Bathymetric Attributed Grid

☐ Append to File Names

XYZ Options

☐ Save All Points ☒ Use Actual XY (Where Possible) ☐ Save Zoom Area Only

☒ Save One Point per Cell ☐ Use Cell Center XY ☐ One File Per Survey Line

☐ eHydro Naming ☐ Use Project Rounding Rules

☐ _A Suffix ☒ Append Golden Soundings

☐ _FULL Suffix

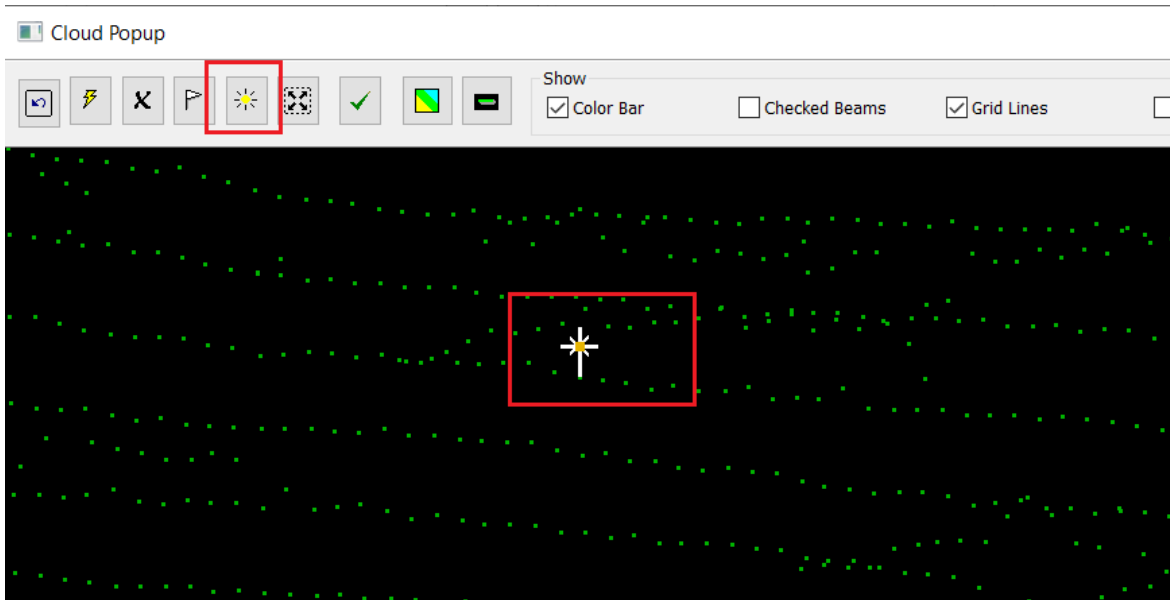
MTX Selection: Average XYZ Selection: XYZ Export Selection: NHO - Test Format

Minimum # Points for Average: 1 Strike Level: 0.0 Z Multiplier: 1.000

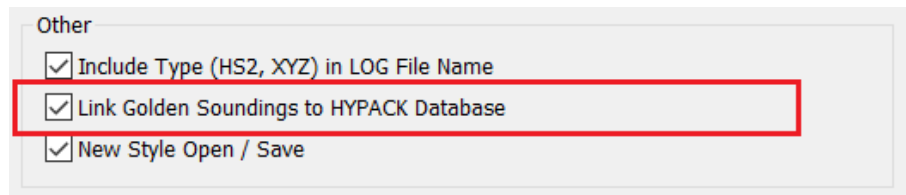
REVIEW OF GOLDEN SOUNDINGS

Golden Soundings are flagged soundings of interest, typically shoal points. These soundings are (1) Immune to deletion in MBMAX64 and (2) Represent cells in gridded MBMAX64 output. That is, if you're saving cell averages to XYZ and a cell contains a golden sounding, golden sounding depth will override average depth.

In editing, the Golden Sounding button is used to set or reset a golden sounding. The lollipop symbol shows the sounding. Golden sounding flags are saved in HS2x files.



Originally, golden soundings were confined to the MBMAX64 editor and HS2x files. At a later time, they were incorporated into the HYPACK Golden Sounding database (as an option). Decide which mode to work in from MBMAX64 by clicking Edit-> Settings.



UNLINKED FROM HYPACK DATABASE (UNCHECKED)

This is the simple way but not really recommended. Golden Soundings are only shown and saved in MBMAX64. Good enough for some folks and the new Append Golden Soundings option will work as long as the data files (HS2x) containing the golden soundings are loaded.

LINKED TO HYPACK DATABASE (CHECKED)

This is the preferred method that exports golden soundings to a database that is used in the HYPACK Shell display, the XYZ manager, and the HYPACK SORT program.

The tricky part in linking is to keep HS2x files in sync with the GS database. For example, if you flag a golden sounding in MBMAX64 then go to exit the program, the “Save Changes” prompt will pop up. Be sure to click Yes to maintain synchronization between HS2x and the Golden Sounding database.