

Additional Attribution Guidance

Additional Pydro Flags

The following is a list of additional flags in Pydro to support data processing and analysis:

Pydro Flag	Description
Submitted	Denotes that items flagged as Primary+Chart+DTON have been exported from Pydro to a DTON report for submission to MCD. Once marked Submitted, these items will not be re-exported during creation of subsequent DTON reports unless the “Submitted” flag is manually cleared prior to generating the report.
Office QC	Denotes that AHB/PHB examination and verification have been completed for an item. The Pydro PSS for a completed survey to be submitted to HSD or otherwise archived shall not contain any Primary items that are not flagged Office QC. This is a Processing Branch tool only.
Rejected	Identifies any item that the hydrographer does not want included in the survey. Any pertinent information explaining why the feature has been rejected should be included under the Remarks tab of the Editor’s Notebook. Rejecting an imagery feature in Pydro will flag the corresponding SIPS contact as rejected, but will not delete the contact. Rejecting a bathymetry feature in Pydro will clear the Outstanding flag in HIPS, but will not reject the corresponding sounding data.
Significant	Identifies features which meet the NOAA significant contact height criteria set forth in the HSSD (see section 5.2.2 and 6.2.1), or some other priority condition determined by the field unit, and warrant further investigation and/or development. If applied to a Primary feature, the Significant flag will automatically be applied to all correlating Secondary features.
Tgt Exported	Denotes that an item was flagged Investigate and has been exported to MapInfo MIF/MID and HYPACK TGT format, typically for some subsequent investigation procedure. This flag will be set automatically when “Export Investigation Items” function in Pydro is performed. Once marked Tgt Exported, these items will not be re-exported unless the Tgt Exported flag is manually cleared prior to performing the export.

In Bathy	Forces a feature's least depth to be explicitly included in the PSS database of shoal-biased binned line (PVDL) data for plotting in Pydro, MapInfo (via Hydro_MI's "Draw PSS" function), or otherwise exported from Pydro. A sounding must first be classified as a bathymetric feature to be designated In Bathy. Once flagged In Bathy, that depth will take priority over other PVDL bathymetry data and other feature depths in the PSS during over-plot removal.
Designated	This flag is used to force a feature's least depth to be explicitly included in the two PSS bathymetry databases (as applicable) for display/analysis in Pydro (both over-plot removed Depths and ZSurfaces), plotting in MapInfo (via Hydro_MI's "Draw Pydro Data" Post Survey tool), or otherwise exported from Pydro: (i) HIPS BASE/Weighted Grid data and (ii) shoal-biased binned line (PVDL) data. During bathymetry layer over-plot removal (aka "excessing") in Pydro, feature depths may suppress other (deeper) feature depths; however, non-feature depths do not suppress feature depths, regardless of magnitude (i.e., all feature depths are regarded as being shoaler than all other depth nodes in the grid). In CARIS, the Designated flag should be used when a single least depth measurement is preferred over the weighted-mean depth calculation for BASE surface grid nodes. Designated soundings often equate to navigational significance and, hence, the desire for a symbolized feature to be rendered on the chart—and why HIPS Designated soundings are read into Pydro as candidate features (items from bathymetry). However, this is not always the case. For example, if the area of least depth has been adequately surveyed, yet contains a small number of soundings, the Designated flag should be used. Also, if a feature's least depth was determined by DLDG, the Designated flagging mechanism must be used to accurately represent the (single) measurement in the BASE surface. Designated soundings are applied to the BASE surface during the Finalize step in CARIS by checking the "Apply designated soundings" option.
Outstanding	Flagging a sounding Outstanding can only be accomplished in HIPS, but this action correlates to creating a bathymetry feature in Pydro. In other words, a sounding flagged Outstanding in the HDCS data will automatically be a bathymetry feature in the PSS. Likewise, creating a bathymetry feature in Pydro will write an Outstanding flag back to that sounding in the HDCS data.