**HOBOware reformat – version 1 (6/17/2021)**

The HOBOware reformat function will save you time and eliminate errors that sometimes occur during manual reformatting of files. In order for this function to work, you need to follow these instructions for processing and exporting CSV files from HOBOware -

* Temperature (proV2)
  + PDF: will provide link later
  + Video: will provide link later
* Water level (U20 series)
  + PDF: will provide link later
  + Video: will provide link later
* Dissolved oxygen (U26)
  + PDF: will provide link later
  + Video: will provide link later

Place the exported CSV file(s) into the Data0\_Original folder.

Instructions

* Click the ‘Browse’ button and select the input file(s). You can run multiple files at once. The status bar will tell you when the upload is complete.
* Select the Date format in your input file (options: YMD, MDY, DMY)
* Click the ‘Reformat HOBOware file(s)’ button; a status bar will appear in the lower right corner.
* After the function is done running, a ‘Download’ button will appear. Click this button.
* Save the zipped file in the Data1\_RAW folder
  + Tip: Click here for instructions on how to set up Google Chrome so that it asks you where to save each file before downloading
* Your files are now ready to be run through the QC function!

Click here to see a video demo: will provide link later

Below are examples of what HOBO U20 CSV files look like before and after they are run through the reformat function. The reformat function does the following -

* Changes column headings as needed
* Creates a new ‘SiteID’ column and populates it with the SiteID that it takes from the first part of the input file name (the SiteID should precede the first underscore in the file name)
* Creates RowID columns for air and water sensors
* Creates LoggerID fields for air and water sensors based on the LGR S/N entries in the column headings
* Removes the first row (Plot Title)

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If there is a problem with the input file, the screen will turn gray and it will say ‘disconnected from the server’ in the lower left.

Common errors

* 'logged' text entries in the bottom row of the CSV (these occur if you forget to uncheck the ‘select internal logger events to plot’ boxes during Plot SetUp)
* Two serial numbers in the column heading (you should only have one S/N; make sure under Preferences-Export settings, you only have the ‘include logger serial number’ box checked, NOT the ‘include sensor serial number or label if available’ box)