## YSI Sonde Data Upload Instructions: 2 Options

## Option 1. Uploading from YSI Sonde to 650 Handheld Receiver, then to PC (procedures a & b):

# a. Sonde to 650 handheld:

# Connect cable from Sonde to the handheld receiver

Choose the following menu options:

# 650 Main Menu:

Sonde Menu:

1. File

2. Upload

3. Choose file to upload

4. Proceed

5. Choose file type (comma delimited) → **.txt** file

6. Repeat steps 1-4 then… Choose file type (PC6000) → **.dat** file

**b. 650 handheld to PC:**

Attach the appropriate cable from 650 handheld to PC

Open the EcoWatch program on computer.

Check to make sure computer is locating correct port: *File Menu: Comm\_Sonde\_Com Port 3*

From 650 handheld:

# 650 Main Menu:

Sonde Menu:

1. File

2. Upload to PC

3. Once upload is complete, hit enter to transfer file(s) to PC

The uploaded file(s) will automatically be saved to the default location C:\Program Files. Save the **.dat** file as well.

**Note:** You may want to relocate the **.txt** file from this default location into a folder of your choice, to later be imported into a spreadsheet.

**Note:** **Check to make sure the data have been properly transferred.** If the data have been properly transferred, **delete file from the sonde**.

# Option 2. Uploading data directly from Sonde to PC:

Open EcoWatch software program on your PC

Check to make sure computer is locating correct port: *File Menu: Comm\_Sonde\_Com Port 3*

In open dialog window type: **Menu**.

(Note:The screen should now resemble the 650 handheld menu options)

1. File

2. Upload

3. Choose file to upload

4. Proceed

5. Choose file type (comma delimited) → **.txt** file

6. Repeat steps 1-4 then… Choose file type (PC6000) → **.dat** file

The uploaded file(s) will automatically be saved to the default location C:\Program Files. Save the **.dat** file as well. **Note:** You may want to relocate the **.txt** file from this default location into a folder of your choice, to later be imported into a spreadsheet.

**Note:** **Check to make sure the data have been properly transferred.** If the data have been properly transferred, **delete file from the sonde**.

**TROUBLE SHOOTING:**

\*\*IF nothing appears on the screen, try NEW BATTERIES!

\*\*IF you get something besides **#** or **Menu** on the dialog window, PRESS **0** and **Enter** until you get to **#** or **Menu**.

## Hydrolab MS5 Sonde Data Upload Instructions: 2 Options

Option 1: Downloading the Hydrolab MS5 to PC

*Adapted from Hydras 3LT Software Manual, December 2005, Edition 2:*

**Startup**

**1.** Connect the Data Cable from the computer and to the sonde.

**2.** Start Hydras 3 LT. (note: press F3 to change the language, the default seems to be German). The software will automatically scan for sondes. All detected sondes are displayed in the ‘Connected sondes’ list in the Main window displayed below. If a sonde is not found, press **RE-SCAN FOR SONDES**. If a connection cannot be established, refer to Appendix A Troubleshooting on page 29 of the software manual which is located in the sonde room within the SWQB lab.

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**Downloading Data**

After a log file is created in the Log Files tab, the files can be downloaded by checking the

appropriate Log File box and clicking **DOWNLOAD SELECTED FILES**. Multiple files can be

downloaded at once. The downloaded log files are stored as text files in the location indicated at the

bottom of the screen (typically “C:\Program Files\HYDRAS3LT\LogFiles”). The location can be changed by clicking **EDIT** and specifying a new directory.



After the text files are downloaded to the specified location, they can be opened in Excel, which will display the ‘Text Import Wizard’ to parse the comma-delimited data into columns for each parameter. Then the data can be plotted and analyzed using Excel. The file should be saved in the format of the latest version of Excel workbook (.xlsx), and given a descriptive name indicating the date and location. For example: 28Comanc006\_6\_Oct2011, using underscores in place of decimal points.

Option 2: MS5 to Trimble Recon PDA to PC

*Adapted from Hydras 3 Pocket for Hydrolab Software Manual, September 2006, Edition 1:*

**Starting Hydras 3 Pocket**

1. Connect the PDA to the sonde using a PDA to RS232 cable.
2. Open Hydras 3 Pocket from the START menu on the PDA. The main screen will be displayed.
3. Select CONNECT to establish communication with the sonde.

**Downloading a log file from a sonde to the PDA:**

1. Select LOG FILES from the main screen. The Log Files screen will be displayed
2. Highlight the log file to download and select DOWNLOAD. The Log File Preview screen will be displayed.



**3.** When the log file is complete and downloaded, select **SAVE** to save the file. Enter the name of the file. Select the folder, type, location and save the file.

**4.** To view the data graphically, select **GRAPH**. A graph will be displayed. Two parameters can be displayed on the graph. Select the parameters to be displayed. Tap the Y-axis to toggle between the Y-axis values for parameter 1 and parameter 2.

**Transferring data files from the PDA to a PC**

Log files or online monitoring files that are saved in the PDA can be transferred to a PC.

**Downloading files using ActiveSync**

To download completed data log files to a PC:

**1.** Connect the PDA to the PC using a PDA to USB adapter or infrared connection.

**2.** Open ActiveSync on the PC and set up a Standard or Guest partnership.

**3.** If using a Guest partnership, select **EXPLORE**. Locate the file to transfer on the PDA. Copy the file from the PDA to a folder on the PC. If using a Standard partnership, the contents of the "My Documents" sub-folders on the PDA are automatically synchronized with the corresponding folder on the PC ("My Documents\PocketPC My Documents").

**4.** To view the file on the PC, open an application such as Microsoft® Excel® spreadsheet software and then open the data file. When importing the file, select delimited for the data type and comma as the delimiter.