1.1. Connecting to the data logger

Direct connection to the data loggers is achieved through the USB Cable Adapter (UCA) provided in the package with the logger. A driver for the UCA must be installed on a computer/laptop before it can be used to communicate with the Em50 logger. The driver installer can be found on the ECH2O System Software CD or from Decagon's website at http://www.decagon.com/support/decagon-usb-cable-adapter-driver/. After the driver is installed properly, the steps below can be followed to connect to the logger.

- Open the ECH2O Utility program on a computer/laptop
- Plug the 3.5 mm stereo end of the USB cable adapter into the logger's 'COM' port and the USB side into the USB port of the computer
- At the top of the ECH2O utility screen, select the appropriate COM port from the 'Connect via' drop down menu and click on 'Connect'. When using the USB cable, look for the 'Connect via' option that includes 'Decagon UCA' in the port name (Figure 2).

After successful connection, all menus and icons on the ECH2O Utility screen become active. The existing settings of the logger - sensor name, communication mode, measurement interval and sensors selection for the various ports will be displayed. The data logger in Figure 1, for example, is properly connected and the various settings are displayed. Once connection is established, the desired new settings in the configuration of the data logger can be made. Changes in configuration can also be made for data loggers that have been configured before.
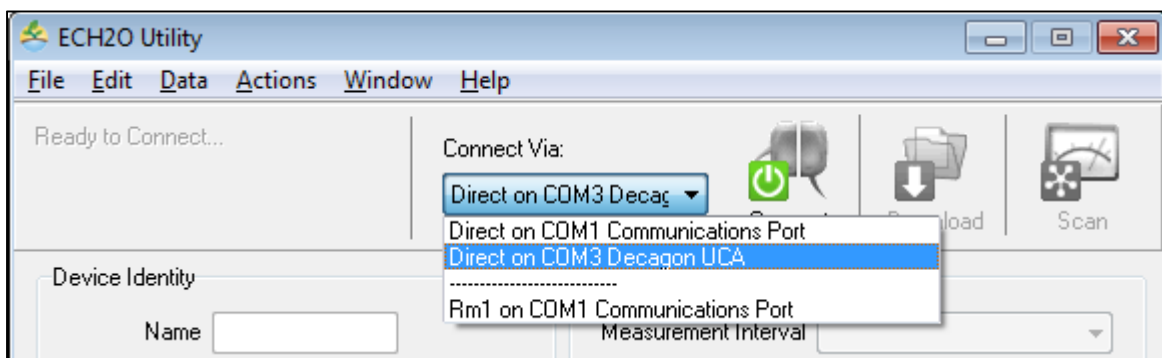

Figure 2. The communication port for showing 'Decagon UCA' with the port name is selected.