Here are the Mayfly sketches and the Modular Sensors library.

I tested all of the programs before I zipped them and they all work.

I have them pretty well commented internally but if there are questions let me know and I can add more comments.

I removed my WiFi router information (SSID and Passphrase) and replaced with x’s.

After you unzip – the folders with the INO files go in the Arduino sketch directory – it should be labeled  Arduino

The sketches are as follows:

Mayfly\_Logging\_GLDW\_VDAB\_WiFi\_SJ7  - The main one I use to POST to GLDW/VDAB – this one require soldering the SJ7 jumper on the Mayfly to utilize the Associated pin on the XBee

Mayfly\_Logging\_GLDW\_VDAB\_WiFi\_NO\_SJ7 – Same sketch but does not utilize the Associated pin – works but is not as power efficient as it relies on a time delay for XBee to associate instead of using hardware status

Mayfly\_Logging\_GLDW\_VDAB\_USB – Uploads data to VDAB via USB port on Raspberry Pi – original sketch that I used to upload to my local VDAB instance and then propogate to parent from there

Mayfly\_Logging\_GLDW\_VDAB\_ModularSensors\_WiFi – POSTS data to GLDW/VDAB using EnviroDIY Modular Sensors library – works but uses UUID for data descriptors

I included the entire EnviroDIY Modular Sensors Library including the new publisher files that I modified

The EnviroDIY\_ModularSensors folder goes in the libraries subdirectory under Arduino (same as in the zip file)

You can see the file location below and name of the new publisher files.

Let me know if you have any questions - Steve

