Choosing Sites

*Choosing Sites with a REM*

* Reclassifying raster
* Creating points and then calculating Latitude and Longitude

Fieldwork – Reconnaissance

* Uploading latitude and longitude coordinates from Excel onto a GPS unit.

Organizing Fieldwork Data

* Make sure “DO\_Data” file and HOBO output files are saved as Excel Workbooks so able to highlight active time periods as green
* Once retrieve level logger and temperature logger from sites, add a new folder to each site for temporal data
  + Also use take each site from “DO\_Data” file and put in respective site folders with other temporal data

*Assigning Coordinates to Survey Waypoints*

* If using more than one GPS unit (e.g., “Estuary” and “Floodplain”) that have overlapping WPT numbers, create a new column with the GPS Unit and WPT combined in Excel so that each is a unique identifier (“GPSUnitWPT”) for both the snorkel and e-fishing dataset (“Seasonal\_Habitat\_Survey\_Data”) and the waypoint with coordinates dataset (“Seasonal\_Habitat\_Survey\_Data\_Waypoints”)
  + =[GPS Unit cell]&[WPT cell]
  + =A2&B2
    - “Estuary” and “184” 🡪 “Estuary184”
* Open both the snorkel and e-fishing dataset (“Seasonal\_Habitat\_Survey\_Data”) and the waypoint with coordinates dataset (“Seasonal\_Habitat\_Survey\_Data\_Waypoints”)
* In the empty “Latitude” cell that you want to fill with a coordinate in the snorkel and e-fishing dataset use VLOOKUP()
  + =VLOOKUP([GPSUnitWPT cell in snorkel and e-fishing dataset],[range of cells including GPSUnitWPT, Latitude, and Longitude in the waypoint with coordinates dataset], column number within that range that corresponds to Latitude (i.e., 2)], FALSE)
  + Repeat this step with Longitude changing the second to last variable to 3
* Once you have finished, copy and paste the Latitude and Longitude columns as plain text and delete the GPSUnitWPT column to clean up the data
* Save a “READ\_ONLY” version of your data after doing any manual cleanup and before starting any analysis