For stream ecology, the students used the following websites:

<https://waterdata.usgs.gov/hi/nwis/rt>

<http://rainfall.geography.hawaii.edu/>

<http://www.ulukau.org/elib/cgi-bin/library?c=atlas&l=en>

In addition, they used 7.5’ USGS topographic maps. The entire class used two quads (one windward and one leeward) for the Island of Hawaii and learned how to read the map, including the topography, legend and scale. Students then worked in small groups with a (stream-containing) quad of their choice. They discussed the factors that affect streamflow in this quad the effect of the environment (urban, rural, conservation, etc), the rainfall patterns in the area of the stream (using the Hawaii Rainfall Atlas), and stream flow data (from waterdata.usgs.gov). They presented the unique qualities of the stream to the class and class discussion focused on how these streams could be expected to change over time, given current climate models.