App Description

App Idea - Main purpose of this app is for students to learn how to monitor different sections of streams, and label them with different descriptors (pool/riffle, wet/dry). This app will collect GPS data from students using the app to record stream characteristics. Users will also be able to look at other users' data from other classes.

App Users - Student and Faculty Researchers (education level: familiar with technology, college level) There will be users who are gathering data in the field and there will also be users who will analyze the data in the lab.

App Workflow - Start at a position downstream, turn the app on, put in some data, walk up the stream, as they're walking up the stream, record the GPS trail that the students take while the app is on, can mark whether the stream is dry or wet, riffle / pool - fast flowing stream, if stream is wet, they would like thats classification. Then after the collection of data, the user will go to a computer and download the required files to read / interpret / sort the data.

App Data Type - Gps data points, pictures, sites, text descriptions, wet/dry value, pool/riffle value, points of interest.