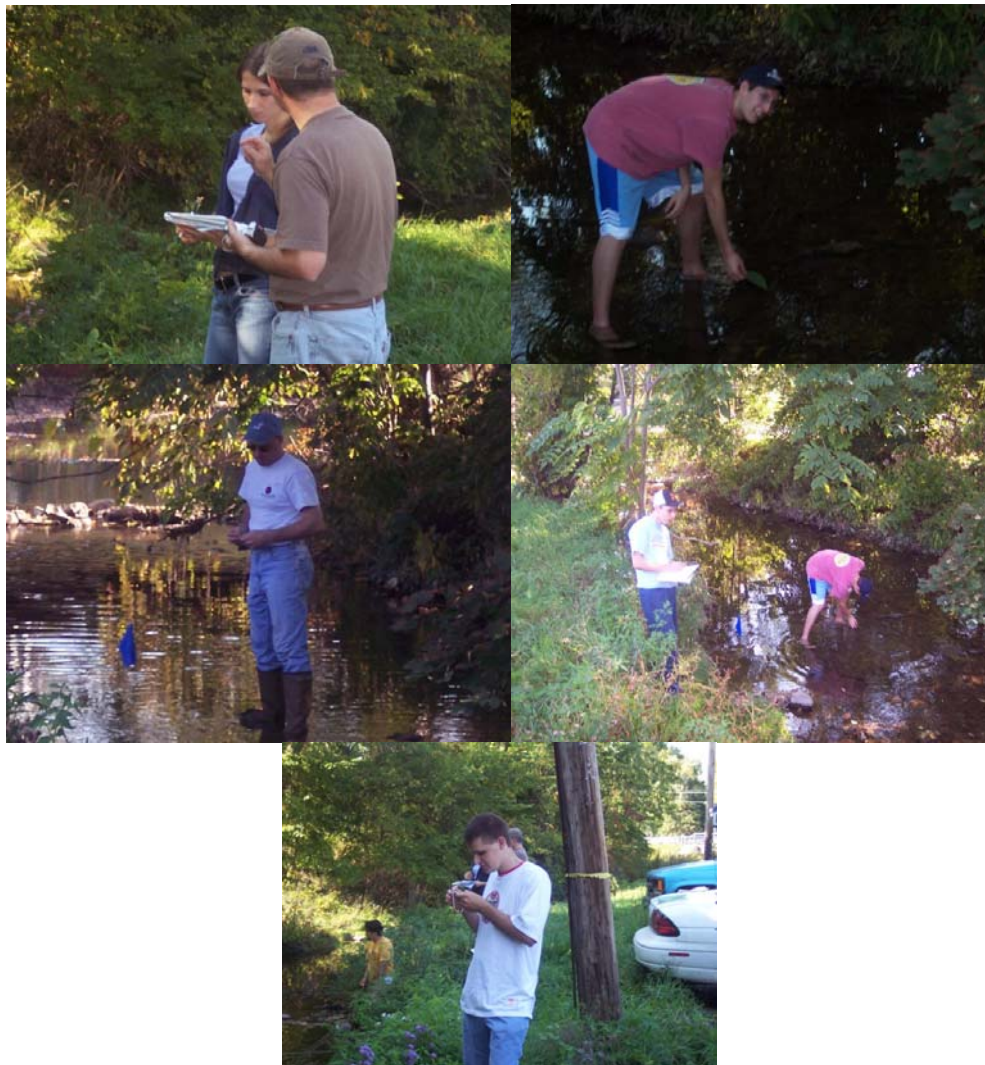


Exercise 5: Measurement of Stream Discharge

First an along-stream distance of 10 to 20 m was measured. Next two individuals were stationed at the known endpoints and introduced a floating marker above the upstream point, and record the length of time for the object to pass the endpoints. This interval was measured ten times using different upstream starting locations across the channel. A mean flow width and flow depth in the middle of the stream was also recorded with a tape measure.



In the next part of the lab a position was selected, and the channel width (w_i), and the flow depth (d_i) recorded. Using the price current meter #625 the number of licks (turns of the wheel) were recorded for 60-120 sec intervals to determine the velocity of the water. This was done a few times going across the channel.



In the last part, the velocity was found using the Marsh-McBirney Flo-Mate model 2000 electromagnetic current meter. The same steps were repeated as the previous section of the lab.

