

THE BLACK CREEK: AN OUTDOOR LABORATORY

STREAMS ARE FOR STUDENTS



Installation of the Black Creek Staff Plate on May 26, 2006



Temporarily “gardening” the stream to get all the flow through the wooden flume



Low stream flows can be determined by measuring water width, depth, and velocity in a wooden flume

The Black Creek is an exceptional educational resource that can serve to generate interest in science and the environment. The best means of learning about science is to get actively involved making measurements and observations. In the case of streams, such as the Black Creek, there is no substitute for hands-on experience. Here, we see a 10-year student actively helping set-up the staff plate and making stream flow measurements using a wooden flume. On August 8, 2005, the total flow of the Black Creek from the 15.8 mi.2 upstream watershed was only 24 gallons per minute (pictured here). These measurements are often best made by getting right in the water during periods of low flow. This is how to make memories and the thrill of science last forever. **HYDROQUEST GRAPHIC**