

# **FAUNTLEROY CREEK BENTHIC STUDY**

## **ARBOR HEIGHTS ELEMENTARY SCHOOL, OCTOBER 22, 2004**

*Fifth grade students Alexa Lenning, Francesca Camerron and Maria Diel presented the following report to the Fautleroy Watershed Council on November 2, 2004.*

### **DATA COLLECTION SUMMARY**

For the fourth October in a row, intermediate students from Arbor Heights Elementary School performed data collection surveys on Fautleroy Park and the upper sections of Fautleroy Creek at Fenton Glen. The goals of this project include teaching students the elements of a healthy watershed, how to be stewards of the local watershed, and contributing to an ongoing collection of data to be used in evaluating the general health of the watershed.

21 students participated in a variety of activities, including garbage graphing and collecting, plant identification, photo documentation and the data collection.

Students did their best to determine the same location for the collection site. Informal scientific protocol was followed to gather and identify macroinvertebrates, plant species and human impact. Microscopes were used in the classroom to identify different larvae and worms.

We were not able to gather data on dissolved oxygen and nitrites. We did not attempt to make conclusions from the data about possible trends in the watershed.

Thank you for inviting our participation in this worthwhile project. Monitoring the condition of the park and the habitat quality at Fautleroy Creek has made these students into young stewards of their local watershed.

Lynn Barnicle, 5<sup>th</sup> Grade Teacher

### **HABITAT CONDITIONS**

	<b>Oct. 2001</b>	<b>Oct. 2002</b>	<b>Oct. 2003</b>	<b>Oct. 2004</b>
Dissolved oxygen	10 ppm	8 ppm	8 ppm	-----
Nitrite	0 ppm	0 ppm	0 ppm	-----
Water depth	11 cm	6 cm	4-7 cm	8 cm
Channel width	28 in	30 in	39.25 in	49 in
Water temperature	54F/16C	52F/11C	50F/10C	55F/18C

### **MACROINVERTEBRATES**

Stonefly larvae	5 (1-3cm)	4 (>1.5cm)	3 (>.5 cm)	3 (>1.5cm)
Mayfly larvae	8 (>1cm)	6 (>1 cm)	2 (>.5cm)	2 (>1 cm)
Caddisfly larvae	1	1	1	1
Worms	4	1	1	1
Blackfly larvae	0	0	2 (>.5cm)	0
Midgefly larvae	1	0	2 (>.5cm)	0