

Kentucky River Authority Watershed Grant

FY 2006-07

FINAL PROJECT REPORT

Recipient: Garrard County High School

Watershed: Dix River Watershed

Project Name: Watershed Education and Outreach

Project Summary:

Summer/ Fall 2007

- AP Environmental Science class is offered and fourteen students are enrolled.
- Curriculum developed and written using Advanced Placement recommendations.
- AP Environmental Science students/teacher attend Dix River Watershed Council meeting.
- AP Environmental Science instructional materials/equipment are ordered and received.

Spring 2008

- State and local representatives are contacted to schedule stations at Logan-Hubble Park Science Day on Friday, May 9th, 2008.
- Local elementary schools are contacted, and all three schools confirm attendance of both the 4th and 5th grades from each school.
- Nearly 400 elementary students spent the day at the park, rotating through environmental education stations.
- The stations were as follows:
 - River Ecology
 - Physical / Chemical studies of the river
 - Biological survey of the area (invertebrates)
 - Animal tracking
 - Lake Ecology
 - Water quality tests
 - Differences between rivers/lakes
 - Fishing
 - Field Ecology
 - GPS Activity
 - Weather station
 - Soil scientist
 - Forestry and tree identification
 - Pond Ecology
 - Invasive species
 - Frog anatomy / life cycle

- Aquatic life
- Shelter Activities
 - Enviroscape presentation
 - Face painting
 - Sidewalk chalk

Participating Agencies / Groups:

Lincoln County High School – The Environmental Science teacher and administration allowed us to use textbooks, so we did not have to purchase them before our adoption year.

Garrard County Soil Conservation District – Kathy Simpson and district board for sponsoring our Water Watch Project by providing partial funding for transportation. They also provided lunch for our LHP Science Day volunteers and assistants.

Bluegrass Pride – Provided educational kits (animal tracking / tree ID / Enviroscape).

Division of Water – JoAnn Palmer for allowing us to use Ollie the Otter suit for the LHP Science Day.

Dix River Watershed Council – Malissa McAlister led several demonstrations of water pollution and runoff using the Enviroscape model.

United States Forestry Service – Jerome Isaacs led a presentation on tree ID and the importance of our forests.

Soil Scientist – Harry Evans led a presentation and demonstration of soil types and core samples.

EKU Educational – Mia ? provided a demonstration and presentation on using GPS in the great outdoors.

Watershed Watch Volunteer – Betty Austin discussed and demonstrated water quality tests at the river.

Lincoln County Emergency Services Director – Winford Todd presented on the new Weather Station being erected in the park as part of a Federal NOAA Grant with Western Kentucky University.

Logan Hubble Park – Allowed us to use the park for this event.

Garrard County High School Board / Administrators / Faculty – Approved these activities.

Garrard County High School Students – Assisted at the stations and led the groups through the park. The High School students did a tremendous job and deserve the recognition they indeed earned.

A special thanks goes to the KRA Watershed Grant Committee who made the funding possible for all the new projects that we did to be successful. Funding from this grant allowed us to offer the new AP Environmental Science Class, purchase instructional materials and conduct environmental activities. The Logan-Hubble Park Science Day would not have been possible without this funding. Environmental education was the focus of this grant, and that all became a reality as our students became more aware of the environment and how it is the responsibility of each of us to maintain and protect it.

Contact Person:

Jane Dye Vanhook
Science Dept. Chair
Garrard County High School
304 West Maple Avenue
Lancaster, KY 40444
859-792-2146
jane.vanhook@garrard.kyschools.us