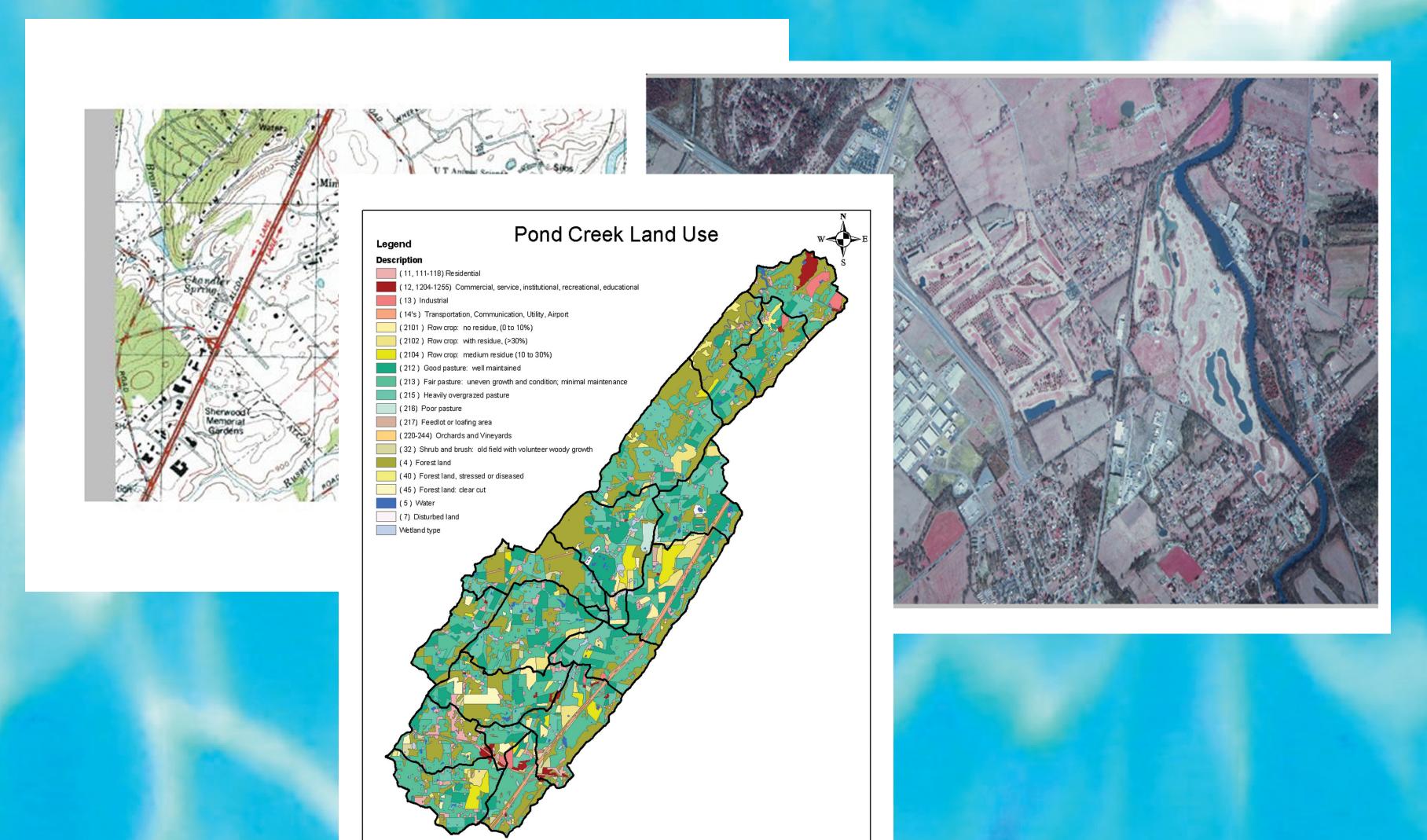
Science in Action for Watershed Improvement

Pond Creek Situation

Water quality in Pond Creek Watershed is impaired by small & mid-sized dairy and beef operations. It is on the Tennessee 303(d) list for pathogens & nutrients and is a leading candidate for the first agricultural TMDL in Tennessee. A cooperative demonstration watershed project to control NPS polluted runoff has been implemented.



Using aerial infrared photography, a pollution inventory was developed & GIS data interpreted.



Work has begun in the watershed, with initial efforts targeting the "hot spots" in the upper reaches of the watershed.

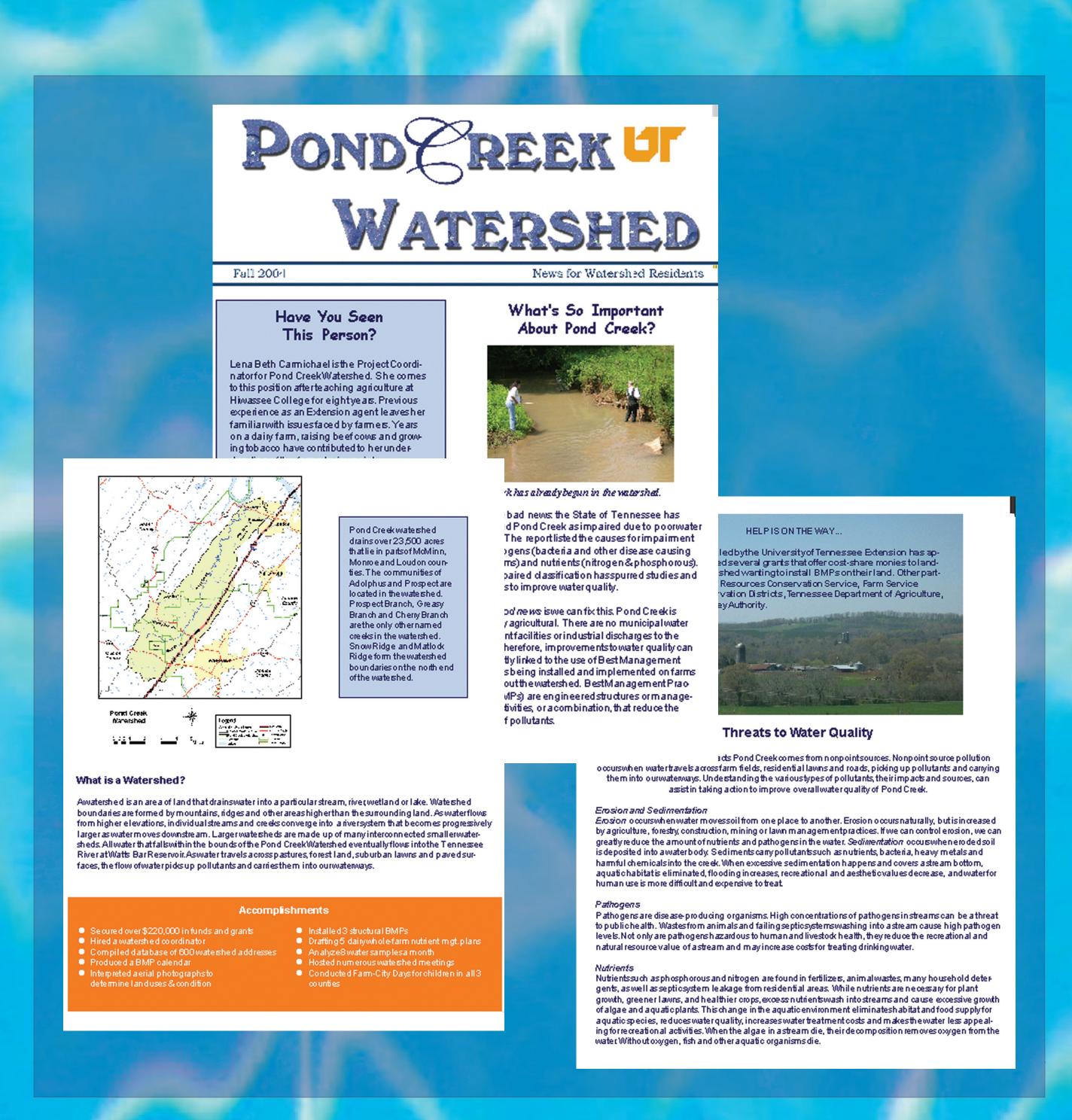


TN Pilot Program

Contacts:

George F. Smith gfsmith@utk.edu

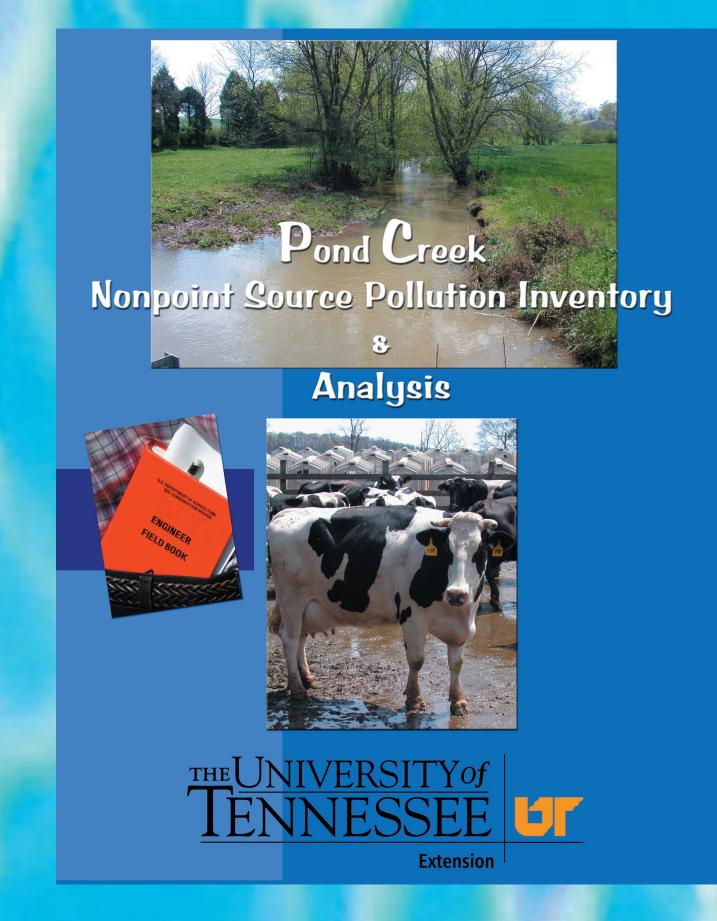
Tina M. Johnson tjohnson@utk.edu



Educating watershed residents is key to the success of this program. Quarterly newsletters & field days (above & left) are essential.



Best Management Practices aimed at reducing pathogen & nutrient loadings were placed in an easy-to-understand format as a calendar that was distributed to residents throughout the watershed.



A detailed analysis & nonpoint source pollution inventory is being developed with much anticipation from residents & partners of this project.

Results:

- Project is ongoing
- Pollution inventory is completed
- BMPs are being installed
- Ongoing water sampling & analysis
- Economic analysis is beginning