



2010

Watershed Access Lab Program Overview - Spring 2010

Kim McCoy

Bridgewater State University, kmccoy@bridgew.edu

Recommended Citation

(2010). *Watershed Access Lab Program Overview - Spring 2010*. In Watershed Access Lab Projects. Project 136.
Available at: http://vc.bridgew.edu/wal_projects/136

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A globe of Earth is positioned in the upper left quadrant of the slide. The globe shows continents in brown and green and oceans in blue. The background of the entire slide is a textured blue surface that resembles water or a similar material, with a subtle gradient from light blue at the top to a darker blue at the bottom. The title text is centered in the lower half of the slide.

Watershed Access Lab

Kim McCoy
Laboratory Coordinator

In the Beginning: Spring, 1997

- Our Beginnings: WAL started in 1997 with a three year grant from Raytheon Co.
- Our Mission: Teacher Professional Development
 - **Use Watershed Education / Stewardship to apply math, science, and technology**
 - **Remove the equipment barrier for watershed educators**
- Our Focus: use land use, stream discharge, water quality, aquatic communities and G.I.S. to study watersheds
- Our Supporters: Eisenhower and Improving Teacher Quality grants from the Board of Higher Education, NSF and in kind support from Bridgewater State College

WAL: What is it?

- An Open Access Lab for Watershed Educators in Schools and Communities
- A Support Team for students and teachers conducting Watershed Studies
- A Lending Lab to remove the equipment barrier for Watershed Studies
- An Educators Resource Center for providing workshops, trainings, and professional development in environmental studies

WAL Benefit: Community Service and Applied Science for Educators and Students

- As of the Spring of 2010, over 75 teachers and 1750 middle school/ high school students have participated in WAL
- Community watershed projects applying math, science, and technology
- Projects promote stewardship in the students, their parents, and their communities.

WAL Institute and Seminar: What do we do in the WAL

- Graduate level course:
NSCI 521 Watersheds: Stream Ecology, Water Quality and Land Use
- Professional Development Workshops:
WOW: The Wonders of Wetlands
Many more to come!!!!!!!!!!!!!!!!!!!!!!
- Seminar:
One day seminar where teachers and students showcase their watershed projects

Impact of WAL Participation

- New perspectives on careers in STEM disciplines:
 - State Agencies
 - Federal Agencies
 - Board of Health/Conservation Commission
 - Consulting Firms
 - Areas of future educational studies and college preparation

Impact of WAL Participation

- New perspectives on the importance of the environment and its preservation and conservation – STEWARDSHIP

