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Watershed Access Lab Projects

Watershed Access Lab

2010

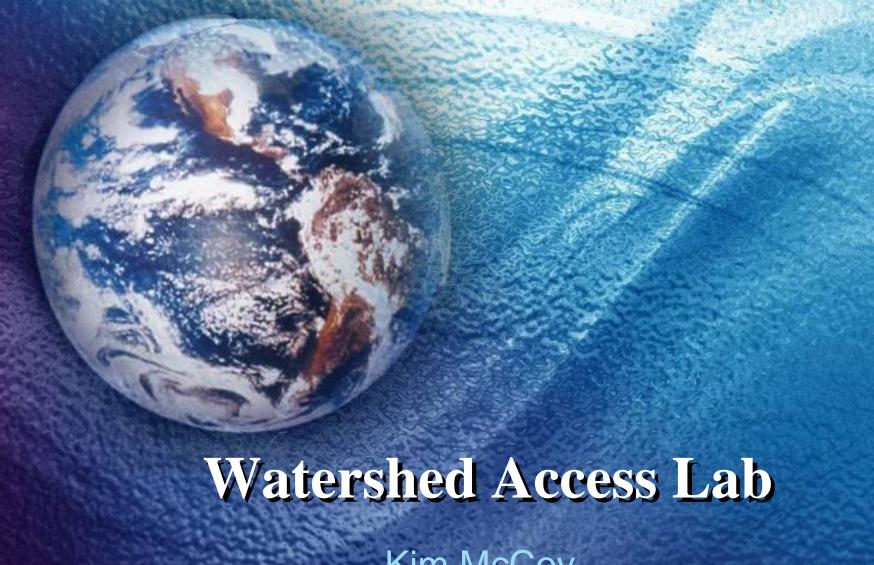
Watershed Access Lab Program Overview - Spring 2010

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Kim McCoy

Laboratory Coordinator

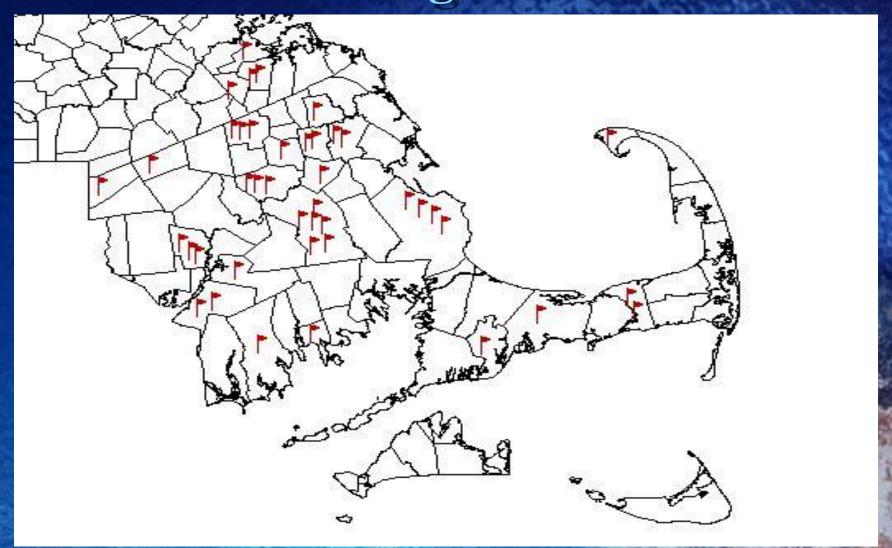
In the Beginning: Spring, 1997

- 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 Teachers throughout the Region



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:

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 Heath/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



