Watershed for Every Classroom 2014-2015

Monday, July 21st, 8:30 am - 4:30 pm
Location: Shelburne Farms, LaPlatte River, and Mt. Philo, Charlotte, VT
Focus: *Getting to Know Each Other and Exploring "big ideas" of Learning in a Watershed!* Review watershed boundaries and concepts, Paddle the LaPlatte River, create event maps, and explore levels of inquiry; note how this river changed over time; overview of geologic formation of the basin with expert UVM geologist atop Mt. Philo, noting differences in geology of the Adirondacks and Green Mountains which impacted human settlement.

Tuesday, July 22nd, 8:45 am – 4:00 pm
Location: Lake Champlain Maritime Museum, Basin Harbor, VT
Focus: *Exploring Human History of the Basin and Settlement Patterns*
Curriculum work, explore the Lake Champlain Maritime Museum, human settlement patterns of the watershed over time , cultural use of the Lake over centuries , lakeshore habitat, and paddle long boats!

Wednesday, July 23rd, 9:30 am – Thursday at 3p.m.
Location: Fort Crown Point, Crown Point, NY, International Paper, Ticonderoga, NY, travel to Wilmington, NY (overnight in NY)
Focus: *Human Impacts on the Basin: Economics and Water Quality*
Wednesday-explore Fort Crown Point, tour the International Paper Plant, listen to a panel discussion during a buffet lunch, and journey into the Adirondacks. Thursday-curriculum work while overlooking Whiteface Mountain, and investigate water quality issues along the AuSable River; hands-on water-testing, issue analysis and land use investigation.

Friday, July 25th, 9:45 a.m. - 4:00 p.m.
Location: Burlington, VT
Focus: *Urban Watersheds: Humans, Natural Places and Hidden Stories*
Curriculum work, explore urban watersheds for pollution sources and stormwater retrofits. Visit Oakledge Park and explore stormwater issues and subsequent improvements that resulted in fewer beach closures with Megan Moir, Burlington Stormwater Planner.

Fall Meeting: Friday, October 17th & Saturday, October 18th
Location: Northern Tier of Champlain Basin (Overnight in Québec)
Focus: *Exploring the Northern Tier - Systems and Land Use/Human impact*
Friday - curriculum work, explore a Highgate dairy farm and travel to Missisquoi Bay in Québec. On the farm, learn first hand from 2nd generation farmer Guy Choiniere regarding the how healthy soil improves crops, animal, and water quality health. Explore three best management practices designed to minimize stormwater runoff and prevent erosion, and, of course, visit the herd. Saturday-dive into monitoring data and blue-green algae sampling

databases. Learn how to use a secchi disc with your students and understand what parameters seasonal lake monitors measure. Explore options for getting students involved with citizen science.

Winter Meeting: Saturday, January 24th w/ WEC Alumni
Location: Burlington, VT
Focus: *Teaching PLACE: Using technology and professional wisdom to uncover the interrelationships between natural and built systems*
Explore changes in land use over time by building story maps from historic and current photographs, explore patterns in nature through photography and mapping, experiment with digital tools to capture the sounds of human interaction with the built and natural landscape, and practice the use of SWAC technology for your classroom with the VT State Climatologist.

Winter Meeting: Friday, March 6th
Location: UVM George D Aiken Green Building, Burlington, VT
Focus: *Curriculum Work*
Educators will present plans for their unit design to receive feedback from their peers and have the opportunity to revise for final submission. Take a brief field trip to explore UVM'S certified LEED green building space with its internal ECO-waste system, green roof, and efficient heating system.

Spring Meeting: May 1st and 2nd
Location: Champlain Islands (Overnight)
Focus: *Reflection and Celebration!*
Phenology, birding and habitat requirements including colonial water birds, presentation of final work, and presentation of student work.