

LAKE CHAMPLAIN RESEARCH CONSORTIUM

1999 STUDENT SYMPOSIUM

April 15, 1999 - St. Michael's College *

6:00 *poster set-up; arrival and poster viewing; light refreshments available*

6:25 *Welcoming remarks*

Oral Presentations

6:30 Hydrodynamics of the South Main Lake, Lake Champlain, VT – *Erich Osterberg, Middlebury College (Advisor – Tom Manley)*

6:50 Observations of the Internal Dynamics in Shelburne Bay, VT – *Dave Sardilli, Middlebury College (Advisor – Tom Manley)*

7:10 A study of the Underwater Fault System of Lake Champlain near Port Kent, New York - *Billie Jo Gauley, Middlebury College (Advisor – Pat Manley)*

7:30 Microhabitat Selection of the Easter Sand Darter (*Ammocrypta pellucida*) with respect to Substrate Particle Size – *Leah Staniels, St. Michael's College (Advisor - Doug Facey)*

7:50 *Break, view posters; refreshments available*

8:10 *The Economic Impact of Phosphorus Management: a farm level analysis of three representative Vermont dairy farms Located Within the Little Otter Creek Watershed – Alyssa Dodd, University of Vermont (Advisor - Cathy Halbrendt)*

8:30 *Response of Lake Ecosystems to Holocene Environmental Changes – Josh Galster, University of Vermont (Advisor – Andrea Lini)*

8:50 *Cultural Eutrophication and its Chemical Signature in Vermont Lakes – Rachael Howse, University of Vermont (Advisor – Andrea Lini)*

9:10 *Effects of Rock Area and Texture on Stream Macroinvertebrate Communities - Sarah Wakefield and Declan McCabe, University of Vermont (Advisor – Nicholas Gotelli)*

Poster Presentations

Zebra Mussels as Biomonitors of Mercury Levels in Lake Champlain, Amy Kinner, Middlebury College (Advisor – Jim Larrabee)

Modeling phosphorous export within the Lake Champlain Basin - *Nicole Seltzer* –
University of Vermont (Advisor - Deane Wang)

Preliminary Investigation of Possible Atmospheric Contributions to Lake Champlain –
Doug Barber, Plattsburgh State University of New York (Advisor – Ning Gao)

Correlation Between Frog Malformities and Heavy Metals in Ward Marsh, West Haven,
VT, and Mud Creek, Alburg, VT. – *Andrew Hall, Middlebury College (Advisor – Peter
Ryan)*