

STONE LABORATORY

Stone Lab Report 2006-2014



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FRANZ THEODORE STONE LABORATORY

2006-2014 PROGRAM REVIEW

Jeffrey M. Reutter, Ph.D., Director 11/1/87-3/31/15

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EXECUTIVE SUMMARY

Stone Laboratory, founded in 1895 and located on the 6.5-acre Gibraltar Island in the harbor at Put-in-Bay, Ohio, is Ohio's Lake Erie laboratory, part of the Ohio Sea Grant College Program, the oldest freshwater biological field station in the country, and the island campus of The Ohio State University. This report covers the 9-year period from 2006-14. Reports from previous years can be found on the program website at ohioseagrant.osu.edu. This has been a time of dramatic change and dramatic improvement in the program and in our facilities. All facility improvements were designed to last a minimum of 40 years. The program is on a steep upward trajectory and is much better today than it was in January 2006. Furthermore, facility, staff, and programmatic improvements make it highly likely that the upward trajectory will continue and the program will be even better in the future. The program (Ohio Sea Grant and Stone Lab) has also been reviewed five times since 2000 by teams of experts from the National Sea Grant College Program and been very highly ranked in every review. This report focuses in detail on Stone Laboratory. Ohio Sea Grant results and activities are covered very briefly. More detail on Ohio Sea Grant results and activities can be found in annual reports prepared for the National Sea Grant College Program and in reports prepared for the five national reviews mentioned above. Those reports are also available on the program website.

Significant Accomplishments: 2006-14

(See Section on "Program Milestones" for more information)

- Enrollment in the Stone Laboratory summer courses was maintained at high levels from 2006-14 ranging from 173-245 with a total of 1900 students and a mean of 211 students per year.
- In 2006, State Representative Chris Redfern spearheads an effort with help from Senator Bob Latta and Representative Randy Gardner to appropriate \$500,000 for renovation of Stone Lab facilities. Representative Redfern and Senator Gardner are successful in adding \$250,000 in 2008. These funds are used for new floating docks at the Stone Lab Research Building and to renovate the first floor of the Research Building and the first floor of Stone Laboratory.
- On 14 July 2006, Ohio Sea Grant and Stone Laboratory host their 16th State Legislature/Congressional Day on Lake Erie. The all-day event attracts elected officials and decision makers from over 25 offices. Ohio Sea Grant founded this event and has hosted these biennial events since 1982. The NOAA Sea Grant

College Program has recognized it as a National Best Management Practice. We co-host the 20th event as part of the Battle of Lake Erie Centennial Celebration on 29 August 2013 with the Catawba Island Club and the Erie Shores and Islands Visitors Bureau.

- Created in 2005 with funds from the Franz and Kate Stone Research Endowment, Thomas Huxley Langlois Research Endowment, and John L. Crites Research Endowment, the Stone Lab Research Experience for Undergraduates (REU) Program selects and awards 9 REUs in 2006 valued at \$26,788. This program continues annually. Through 2014 a total of 104 REUs and Research Scholars, valued at \$345,055, have been awarded.
- Melinda Huntley is hired as the Ohio Sea Grant Tourism Director in November 2006.
- Ohio Sea Grant and Stone Lab host the First Annual Donor Dinner at Stone Lab in August 2007. This event continues annually.
- A new management model for Stone Lab, with the Director responsible for facilities, boats, vehicles, housing, and meals in addition to the academic program, is implemented on 1 April 2008.
- Ohio Sea Grant and Stone Lab host the first Annual Coastal County Commissioner, Mayor, and Decision Maker Day at Stone Lab on 1 August 2008. This well-reviewed program for all counties in the Lake Erie watershed has continued annually, and attendance now necessitates two separate dates each year.
- In December 2008 Dr. Reutter hosted a 7-site videoconference around Lake Erie with 75 scientists. They agreed to collaborate under our leadership in developing seven research proposals. All seven were funded (\$750,000) by USEPA and the Lake Erie Protection Fund in 2009. A total of 14 agencies and universities participate in the funded projects.
- During 2009, FOD and Student Life employees at Stone Lab are moved into new positions within the Office of Research and report directly to the Director.
- The Lake Erie Marine Trades Association creates the first annual Lake Erie Day at the Cleveland Boat Show with a portion of proceeds going to Ohio Sea Grant and Stone Lab in January 2009. This program continues annually.
- In partnership with Channel 3, WKYC TV, in Cleveland, a 4-part documentary on Lake Erie is aired in 2009.
- A new patio and gathering place for students and visitors at the entrance to the Stone Lab Dining Hall is completed in June 2010, and three new 12-passenger vans replace 15-passenger vans for safety reasons.
- The lease of the Port Clinton Lab at 1854 State Road ends in 2010, and we move into a small storage facility in Port Clinton resulting in a savings of \$20,000/year.
- In 2010, Put-in-Bay State Fish Hatchery is leased from the Ohio Division of Wildlife and converted into an Aquatic Visitors Center. The 5-year lease is renewed in 2014. The annual number of visitors to the Center grows to over 20,000 in 2013.
- June 30, 2010 marks the end of the first full fiscal year under the new management model. The \$350,000 annual operating deficit has been erased and the program is operating in the black, but equally important, as this report will detail, the program and our facilities are greatly improved and grows.

- In 2011, new roofs are completed on Stone Lab, Stone Cottage, Barney Cottage, the Research Building, the Research Shop, the Bayview Office, and the Lighthouse Barn; the historic chimney on the Research Building is repaired; and, the exterior of Cooke Castle is repaired and painted. All work is completed with minimal disruption to the program.
- John Hageman retires as Stone Lab Manager on 31 August 2011 and is replaced by Matt Thomas.
- Dr. Christopher Winslow is hired to replace Eugene Braig as the Assistant Director in December 2011.
- In 2012, new roofs are completed on Gibraltar House, Sycamore Cottage, Peach Point Cottage, and a garage; a Solar Pavilion with 50 panels is built over the old sewage treatment plant; solar thermal for hot water is installed on the Dining Hall; all toilets and showerheads are replaced with low-flow models; all outboards are replaced with 4-cycle engines; and renovation of the first floors of the Research Building and Stone Lab are completed.
- The new semester schedule and courses begin in June 2012, and summer enrollment at Stone Lab is the highest ever.
- Ohio Sea Grant and Stone Lab host two visits by the OSU Presidents Club in June 2012, and the Club returns on two dates each year in 2013 and 14.
- Dr. Kristin Stanford is hired as the full-time Education and Outreach Coordinator and Research Scientist at Stone Lab in July 2012.
- Following successfully hosting the Institutes for Journalism and Natural Resources at Stone Lab in 2008, 2009 and 2012, Ohio Sea Grant begins hosting annual Science Writers Workshops at Stone Lab and Annual Charter Captains Workshops at Stone Lab in August 2012, and begins annually hosting a meeting of OSU communicators.
- The Gibraltar Island dock area is dredged in September 2012.
- Dr. Justin Chaffin is hired as the first full-time Research Coordinator at Stone Lab and the manager of the Water Quality Laboratory in December 2012.
- The Ohio Sea Grant College Program, including Stone Lab, CLEAR and GLAERC, is reviewed by the National Sea Grant College Program and ranked between 2 and 4 of the 33 programs in the network in January 2013.
- In 2013, renovation of the Water Quality Lab in the Research Building is completed, and a grant from OEPA supports a monitoring program, including charter captain assistance, for nutrients and harmful algal blooms; sewer lines and sidewalks are replaced for the Harborview Dorm; new WiFi equipment is purchased and a new provider is used to increase speed and band width over 10-fold; live video feeds link to the Sea Grant website from the Lighthouse, Cooke Castle, Stone Lab, and the Research Building; 40 solar panels are added to the roof of Stone Lab; and exterior renovations of the Research Building and shop are completed.
- In 2014 the Bayview Office, Sycamore Cottage, Peach Point Cottage, Stone Cottage, Barney Cottage, and Gibraltar House are completely rewired; new windows and insulation are added to the Bayview Office; and, a whole-building generator and fume hoods are added to the Research Building.

- Fondriest Corporation donates a new monitoring buoy. Justin Chaffin receives a grant from Ohio Sea Grant for monitoring equipment on the buoy and it is launched north of Gibraltar Island in 2014.
- Ohio Sea Grant and Stone Laboratory receive rave reviews from national experts during a Site Visit by the National Sea Grant College Program in November 2014.
- Ohio Sea Grant coordinates the development of 18 multi-university proposals for the Ohio Department of Higher Education (formerly the Ohio Board of Regents). A total of \$2 million is awarded to Ohio Sea Grant for distribution to the projects. The OSU College of Food, Agricultural and Environmental Sciences adds \$1 million for five additional projects.
- On 29 December 2014, Dr. Reutter announces his retirement effective 31 March 2015.
- The program continues to set annual records for media coverage (newspapers, magazines, TV, etc.) annually, and coverage in 2014 continues the trend—510 articles in 229 venues.
- Six new endowments and four significant planned gifts are established between 2006 and 2014.
- From 2006-14, 389 scholarships totaling \$225,410 are awarded through endowments and donations to students in the summer program, and 90 students were selected to participate in the Stone Lab REU and Research Scholar program and received \$298,863.

INTRODUCTION

This report covers the period 2006-14 and follows the format of Program Review Reports for 2005 and earlier. Figures appear together before tables. Reports from previous years can be found on the program website at www.ohioseagrant.osu.edu/. The program (Ohio Sea Grant and Stone Lab) has been reviewed five times since 2000 by teams of experts from the National Sea Grant College Program and been highly ranked in every review. This report focuses in great detail on Stone Laboratory. Ohio Sea Grant results and activities are covered very briefly. More detail on Ohio Sea Grant results and activities can be found in annual reports prepared for the National Sea Grant College Program and in reports prepared for the five national reviews mentioned above. Those reports are also available on the program website.

The Ohio Sea Grant College Program at The Ohio State University (OSU), including Stone Laboratory, the Center for Lake Erie Area Research (CLEAR), and the Great Lakes Aquatic Ecosystem Research Consortium (GLAERC), is a statewide program seeking to improve the environmental health and economic vitality of this country's ocean, coastal and Great Lakes Resources with an emphasis on Lake Erie and its watershed. Ohio Sea Grant is a partnership among academia, government, and the private sector, and uses a combination of research, education, and outreach to focus on the 3 E's: the economy, the environment, and education.

The Ohio Sea Grant Program is one of 33 state programs in the National Oceanic and Atmospheric Administration (NOAA), US Department of Commerce. The NOAA Sea Grant

College Program is focused on sustaining our nation's ocean, coastal, and Great Lakes resources. The NOAA Sea Grant Program is a matching program. For every dollar Ohio Sea Grant receives from NOAA Sea Grant, we must provide a minimum of \$0.50 of matching support from non-federal sources. Seeking partnerships and extramural funding to leverage resources for maximum impacts is a key strategy in attaining our goals and fulfilling our mission. Ohio Sea Grant receives support from many of its partners, including the State of Ohio, The Ohio State University, Ohio State University Extension, collaborating universities, state agencies, private businesses, and concerned citizens.

Due to its unique combination of research, education, and outreach, Ohio Sea Grant is sought-after for its unbiased and science-based approach of addressing pressing environmental and economic issues, often in collaboration with other federal, state, and local entities, as well as nonprofit organizations at all levels. At the core, Ohio Sea Grant aims to be a good leader and a good partner in the efforts ahead. Using the national network, local collaborations, and a strong relationship with stakeholders, Ohio Sea Grant is a program of action, investigating Lake Erie issues and sharing the solutions with those likely to shape our future.

Ohio Sea Grant celebrated its 36th anniversary in 2014. Over that span, Ohio Sea Grant has supported from its base NOAA budget more than 600 projects, with over 300 principal investigators from over 20 Ohio colleges and universities, and more than 600 graduate and undergraduate students. The research component of the program supports approximately 20 research projects each year, providing the necessary science to address the lake's problems. In any given year, it is not unusual for Ohio Sea Grant to be managing out 100 projects valued at about \$10 million. The program has seven extension/outreach specialists from Toledo to Conneaut. Dr. Jeff Reutter was the Director of Ohio Sea Grant College Program during the span of this report. Dr. Christopher Winslow, hired in December 2011 as the Assistant Director for Research and Administration, was promoted to Associate Director in June 2014 and to Interim Director on 1 April 2015. Jill Jentes Banicki is the Assistant Director for Communications, Bryan Ford is the Business Manager, Matt Thomas is the Stone Laboratory Manager, Dr. Kristin Stanford is the Education and Outreach Coordinator at Stone Lab, Dr. Justin Chaffin is the Research Coordinator at Stone Lab, and Extension Specialist, Tory Gabriel, became the Extension Program Leader, when Frank Lichtkoppler retired on 30 September 2014. The program also utilizes a strong base of volunteers from its private sector Sea Grant Advisory Committees and the Friends of Stone Laboratory.

Franz Theodore Stone Laboratory, Ohio's Lake Erie Laboratory and part of Ohio Sea Grant, is the nation's oldest freshwater biological field station, the Lake Erie and North Coast Campus of The Ohio State University, and the primary research, education, and outreach facility of the Ohio Sea Grant College Program. The Laboratory, originally called the "Lake Laboratory," was created in 1895 when the OSU Board of Trustees appropriated \$350 to build a second floor on the State Fish Hatchery in Sandusky. In 1903 the Laboratory moved to a new building at Cedar Point, then to the second floor of the State Fish Hatchery at Put-in-Bay in 1918, and finally to its current location on the 6.5-acre Gibraltar Island with additional holdings on South Bass Island, in 1929. At that time the name was also changed to the Franz Theodore Stone Laboratory in honor of the donor's father.

Lake Erie is biologically the most productive of the Great Lakes, and the Laboratory is ideally located near the boundary of the Lake's Western and Central Basins—"the most favorable location in Ohio, possibly even in the Great Lakes basin," according to Julius F. Stone, a Columbus businessman and a member of the University Board of Trustees, who donated Gibraltar Island to OSU in 1925 for teaching and research. Facilities at Stone Laboratory include a research building, a library, a 21-room laboratory/classroom building, a dining hall, five housing units, the historic "Cooke's Castle," a National Historic Landmark constructed in 1864 as the summer home of Philadelphia banker and Civil War financier, Jay Cooke, the South Bass Island Lighthouse (built in 1897), and the historic Put-in-Bay Fish Hatchery, which is used as an outreach and education center for visitors and tourists—the Aquatic Visitors Center (AVC).

Today, Stone Laboratory provides a facility for year-round research (it has been called "the base for the research that saved Lake Erie"), develops and offers custom-designed aquatic science field trips and workshops for grades five through adults, offers college credit through a rigorous summer program of courses and non-credit workshops, and offers special conference facilities and speakers for groups interested in Lake Erie and the region's natural resources.

This report reviews the past nine years, 2006-14. It includes a discussion of the vision and mission of Ohio Sea Grant and Stone Lab; our reporting structure within The Ohio State University; the people that make it all happen; a summary of the education, outreach and research conducted at the Laboratory; a discussion of our development activities with donors and alumni; a description of facility and equipment improvements; a discussion of the future of the Lab; a discussion of the history of the Laboratory; a listing of significant "Milestones in the History of Stone Laboratory;" a description of the awards presented by Ohio Sea Grant and Stone Lab; and a list of the award recipients. Stone Lab has always been recognized for its excellent education, outreach, and research programs. Each of those components improved significantly between 2006 and 2014.

OHIO SEA GRANT VISION AND MISSION

The mission of the Ohio Sea Grant College Program is to increase the public's understanding and improve development and conservation of our Great Lakes and ocean resources, with particular emphasis on Lake Erie. Within this mission, the program has several overarching goals:

- Promote sustainable economic development on the Lake Erie coast and watershed by applying scientific knowledge to solve resource problems;
- Develop the critical knowledge and technology to help coastal industries in Ohio as they work to enhance their bottom line;
- Identify, protect, and conserve valuable coastal habitats and strive to improve environmental conditions in the Lake Erie and Great Lakes ecosystems;
- Enable coastal and Great Lakes communities to successfully adapt to changing climate, social, and economic conditions; and
- Improve the quality of marine and aquatic education in Ohio to foster a more informed citizenry with a higher quality of life.

STONE LAB MISSION

The mission of the Franz Theodore Stone Laboratory is to serve The Ohio State University, the Ohio Sea Grant College Program, the State of Ohio, and the people of Ohio as their education, outreach, and research facility on Lake Erie. The program strives to enhance the value of, and improve the management of, marine and coastal resources through the education, outreach, and research programs conducted at the Laboratory. The Laboratory's programs should address the needs of, and create opportunities for, the following audiences: students in grades 5-12, college undergraduate and graduate students, K-12 teachers, research scientists, decision-makers and elected officials, technical staff in state and federal agencies, and the general public. Within this mission we have several goals:

- 1) Improve the quality of science education in Ohio by creating high-quality, hands-on science education opportunities for students in grade 5 through adults;
- 2) Create opportunities for undergraduate and graduate research training;
- 3) Create special educational opportunities for high school students and teachers;
- 4) Foster more informed decision-making through education, outreach and training programs for decision-makers, managers and elected officials; and
- 5) Encourage and support research on critical issues and problems facing Lake Erie, the Great Lakes, and the environment, thereby providing the science behind more informed management decisions.

VISION FOR THE FUTURE

Our vision is to be universally recognized as the premier freshwater education, outreach, and research facility in the country. Our education, outreach, and research programs will be unsurpassed. Our education and outreach programs will be models for science education and outreach in this country. The results of our research will be used to solve Lake Erie, Great Lakes, and freshwater environmental problems, protect human health and coastal businesses, and enhance the value of Lake Erie. We will be widely recognized for our unbiased, science-based information, knowledge, and approach to problem solving.

PROGRAM REPORTING STRUCTURE

During the period of this report Dr. Jeffrey M. Reutter was Director (November 1987 through March 2015) of the Ohio Sea Grant College Program at OSU, which includes: Stone Laboratory, this country's oldest freshwater biological field station (1895), the Center for Lake Erie Area Research (CLEAR), and the Great Lakes Aquatic Ecosystem Research Consortium (GLAERC), a consortium of 12 Ohio colleges and universities. Dr. Reutter reports to two vice presidents at OSU: Dr. Caroline Whitacre, Vice President for Research, and Dr. Bruce McPheron, Vice President for Agricultural Administration. Stone

Laboratory is the shared research facility for GLAERC and the base for many of Ohio Sea Grant's research, education, and outreach projects.

Change in Stone Lab Reporting Structure: Prior to 1 April 2008, four OSU Vice Presidents were responsible for the operation of Stone Lab. In addition to the Vice Presidents for Research and Agricultural Administration, the Vice President for Facilities Operation and Development (FOD) was responsible for boats/vessels and facilities and the Vice President for Student Life was responsible for the Dining Hall and housing units. Each vice president maintained their own staff and each staff had a separate reporting structure. This was a very expensive, inefficient and ineffective model. The new model merges the Stone Lab staffs from FOD and Student Life with the academic staff. All Laboratory personnel are now part of the academic program and report to the Director of Ohio Sea Grant—we are all “on the same team,” so to speak. The new management structure is streamlined, much more nimble, and able to respond to problems and opportunities more quickly. The Offices of FOD and Student Life were reporting a combined annual operating deficit of \$350,000/year. The new model has eliminated that deficit and resulted in improved user satisfaction, increased donations, and more grants. This demonstrates the success of the President's “One University” model.

PROGRAM STAFF

The program underwent a large amount of growth and a large number of staff changes during the nine-year period of this report, but has always been blessed with a very strong and dedicated staff, and a staff that tended to stay for a long time. Tables 1-9 show the staff for each year at the Laboratory. An alphabetical listing of the primary, non-student staff involved with the program from 2006-14 follows.

- **Morris Allison** was hired in January 2013 as our Assistant Web Developer.
- **Susan Bixler** was hired on as an Education & Outreach Assistant on 18 June 2012.
- **Eugene Braig** was the Assistant Director in Columbus from 1 August 2004 to 31 December 2011. He resigned his position in December 2011 to move to a position in the OSU School of Environment and Natural Resources, and continues to teach Sea Grant workshops at Stone Lab.
- **Dr. Justin Chaffin**, a 2005 Stone Lab student and 2006 REU, was hired into a newly created position as the Stone Lab Research Coordinator and Manager of the Water Quality Laboratory in December 2012.
- **Bonita Cordi** was the Office Associate and Receptionist in Columbus from October 1999 to 4 November 2006.
- **Nancy Cruickshank** was hired on as a Development and Publications Manager on 17 June 1991. Donor and alumni relations were added to her responsibilities in 2006.
- **Christina Dierkes** was hired as our Technical Editor in November 2011.
- **Kelly Dress** was hired as the Office Associate at Put-in-Bay on 1 April 1998 and her position changed to Office Administrative Associate on August 27 September 2009.

- **Al Duff** was hired on September 1979 and was the manager of the FOD staff when he retired 31 December 2008. He was rehired into a part-time, seasonal position from 2009 to October 2012 as an Operations Associate-Boats and Facilities, to operate our research vessels.
- **Bryan Ford** became our Business Manager on 15 November 2010.
- **Dr. Rosanne Fortner** taught annually at the Laboratory beginning in the mid-1980s and was the Associate Director from 2000-05. She retired in summer 2005, but continued to teach at the Lab through 2014.
- **Dr. Kristen Fussell** was hired as an Executive Assistant for Drs. Reutter and Winslow on 10 July 2014 and promoted to Research Development and Grants Manager on 1 August 2015.
- **Tory Gabriel** was hired as the Ohio Sea Grant Fisheries Extension Coordinator in 2008 and became our Extension Program Leader on 1 October 2014 when Frank Lichtkoppler retired.
- **Craig Genheimer** was hired on as a seasonal Operations Associate-Boats and Facilities on 6 May 2013.
- **Robin Glauser** was hired on as a seasonal Dining & Residence Coordinator on 29 May 2001.
- **Angela Greene** was hired on as an Education & Outreach Assistant on 1 August 2012.
- **John R. Hageman** was the Laboratory Manager at Put-in-Bay from 1 May 1987 to 31 August 2011 when he retired.
- **Kevin Hart**, a Stone Lab student in 2008 and Field Station Assistant in 2011, was hired in November 2011 to replace Matt Thomas as Assistant Lab Manager.
- **Grace Hicks** was hired to replace Doris Smith as our HR, Fiscal, & Travel Coordinator on 7 November 2012.
- **Melinda Huntley** was hired as our Tourism Extension Director in November 2006 and resigned her position to become the Executive Director of the Ohio Travel Association in August 2012.
- **Jill Jentes** became the Communications Coordinator in July 2003. Prior to that she had been the Editor of *Twine Line* beginning on 1 October 1998. On 1 April 2006 she became the Assistant Director of the Program responsible for Communication.
- **Dave Kelch**, our Sea Grant Extension Specialist in North Central Ohio since 1980, retired in May 2012.
- **Frank Lichtkoppler**, our Extension Specialist and Program Leader in Northeast Ohio since 1981, retired 30 September 2014.
- **Lyndsey Manzo** was hired on as an Education & Outreach Assistant on 1 June 2009 and became the Sea Grant Education Coordinator when Dr. Fortner retired.
- **George Oommen** was a student assistant from 21 September 2003 to 3 April 2004; a GRA from 23 April 2004 to 1 January 2007; a Web Systems Developer from 2 January 2007 to 28 February 2013; and a Systems Engineer from 1 March 2013 to present.
- **Sarah Orlando**, a 2007 Stone Lab REU student advised by Dr. Winslow, was hired as a Field Station Assistant in 2008 and Assistant Lab Manager in 2009, and as the Clean Marina Coordinator in 2011.

- **Shanny O'Rourke** was the Housing Coordinator from 18 April 2001 to 16 August 2008.
- **Arleen Pineda** has been the Program Coordinator in the Columbus Office since May 1996 and before that had been the Columbus office secretary beginning in March 1986.
- **Dr. Jeffrey M. Reutter** was the Director of Ohio Sea Grant and Stone Laboratory from 19 September 1988 to 31 March 2015. Before that time he had served as Research Associate beginning in November 1972, Assistant Director in September 1976, Associate Director in 1982, Acting Director from 19 December 1984 to 31 March 1986, and as Interim Director from 1 November 1987 to 18 September 1988. He retired on 31 March 2015 and is now a part-time Special Advisor for the program.
- **Lisa Rice** was hired in August 2014 as a Communication and Marketing Specialist.
- **Jon Scarpelli** was hired on 11 November 2011 as an Operations Associate-Boats and Facilities.
- **Rick Shaffer** was the Fiscal/HR Manager from 3 November 2008 to 30 September 2010.
- **Doris Smith** was the HR, Fiscal, and Travel Coordinator from 23 August 2010 to 9 September 2012.
- **Fred Snyder** was hired as the first Ohio Sea Grant Extension agent in October 1978. One of his early responsibilities was to lead and develop the workshop program at Stone Lab. He retired in 31 August 2009.
- **Dr. Kristin Stanford**, a 10-year graduate student at Stone Lab from Northern Illinois University, was hired into a newly created position as the full-time Stone Lab Education and Outreach Coordinator and Research Scientist in July 2012.
- **Matt Thomas** became the Assistant Laboratory Manager at Put-in-Bay in June 1999. He added the responsibility of being the University's Diving Safety Officer in October 1999, and replaced John Hageman as Lab Manager on 1 September 2011.
- **Terry Thompson** was hired in February 2012 as an IT Support Specialist.
- **John Tripp** was our Business Manager from 1995 to November 2008, Accountant till April 2010, and Office Associate till he retired in November 2015.
- **Wayne Weber** was the Grounds & Facilities Operations Associate from 7 June 2009 to 14 December 2013.
- **Colleen Wellington** was the Clean Marinas Coordinator from 2008 to 2011.
- **Katherine Wertenbach** was hired as a seasonal Office Assistant at Stone Lab on 9 April 2013.
- **Mark Wilhelm** was hired on April 1979 as an FOD employee, joined our staff on 12 April 2009, and retired on 31 August 2011 as an Operations Associate-Boats and Facilities.
- **Dr. Christopher Winslow**, a former graduate student researcher and faculty member at Stone Lab, replaced Eugene Braig as Assistant Director on 11 December 2011. He was promoted to Associate Director on 1 June 2014, and Interim Director on 1 April 2015.
- **Art Wolf** was hired on 19 March 2001 as an FOD employee and became an Operations Associate-Boats and Facilities on 12 April 2009 to manage our fleet of boats.

UNIVERSITY COURSES AND NON-CREDIT WORKSHOPS

Courses for College Credit. Stone Laboratory began offering courses for college credit in 1900. Each summer OSU offers 18-28 courses at Stone Laboratory. All courses take advantage of the Laboratory's unique location and capabilities and emphasize a hands-on approach to learning with a combination of lecture, laboratory, and field experience. Enrollment is limited to 12-20 students per course. The curriculum is rigorous with students in class from 8:00 a.m. to 4:00 p.m. six days per week. A list of the courses offered from 2006-14 can be found in Tables 10-18.

Until 1990, the Laboratory offered courses only for upper level undergraduate and graduate students. In 1990, in an effort to join the drive to improve the quality of STEM education in Ohio and in this country, a program of introductory courses for college freshmen and sophomores was developed. This program is also open to superior high school students on a competitive basis, and allows them to gain college credit while still in high school. These programs strive to make science exciting and to challenge the best young minds this country has to offer.

Special courses are also offered for teachers, again with the goal of improving the quality of STEM education in our schools. The initial courses for teachers—Marine and Aquatic Education, Great Lakes Education Workshop, and Global Change Education—were developed by faculty from the Ohio Sea Grant Education Program and use curriculum activities and reference materials developed with Sea Grant support as texts. In addition to these instructional methods' courses, science content courses for teachers introduce fundamentals of biological and earth systems topics where they can best be taught—in field settings. Both methods and subject matter courses meet Professional Development Standards established by the National Science Education Standards, and together they assist teachers in preparing their K-12 students for mandated state testing programs.

Teaching at Stone Laboratory, while a great honor, is very different from teaching on the main campus and requires a great deal of expertise and energy; few courses on college campuses are taught for eight hours per day with the opportunity to blend lecture, laboratory, and field work. We search throughout the state, region, and country to get the best faculty to teach at the Laboratory. In addition to faculty from OSU, it is not unusual to find faculty members from institutions such as Bowling Green State University, Heidelberg University, Kent State University, Otterbein College, Indiana University, the University of Massachusetts, the University of Michigan, Rockford University, and/or the American Museum of Natural History in New York. Student evaluations consistently rank Stone Laboratory courses as being far superior to courses taken at their home institutions.

Enrollment. Enrollment and interest in Stone Laboratory increased significantly in the 1990s. During the 1980s average annual enrollment was approximately 57 students. From 1991-2014, average annual enrollment jumped to over 200 students—an increase of over 350 percent (Figure 1). Enrollment was lower during the period of 2001-2006 and we adjusted our marketing strategies and worked to increase donations and scholarship support to address the problem. We also implemented a series of workshops that could be

taken for credit or as non-credit workshops. The topics of these workshops were identified and requested by the FOSL and state agencies and included sport fishing, fish sampling techniques, nature photography, Great Lakes education, algae identification, and dealing with algal toxins. These workshops have been a huge success. They have broadened the age base of the student population and been a great benefit to agencies and specific user groups, e.g., water treatment plant operators battling harmful algal blooms. They clearly demonstrate how the program and the University are relevant and provide a valuable service to the State of Ohio and society.

From 2006-2014, a total of 1900 students participated in the courses and workshops that make up our summer program (average of 211 students/year). Tables 19-27 show the student rosters for each summer from 2006-14. Of the 1900 total students, 580 (mean = 64/year) were high school students, 766 (mean = 85/year) were OSU students, 200 (mean = 22/year) were from other colleges and universities, and the remainder, 354 (mean = 39/year), were workshop participants (Figure 2). From 2006-2014, on average the students in Stone Lab courses came from 11 Ohio colleges and universities, four out-of-state colleges and universities, and 49 different high schools each year (Figure 3). From 2006-14, the mean number of undergraduate college students attending Stone Lab courses annually was 71, and the mean number of graduate students was 33 (Figure 4). Total university credits awarded on the quarter system from 2006-11 averaged 793 credits/year (Figure 5a). Total university credits awarded on the semester system from 2012-14 averaged 468 credits/year (Figure 5b). The number of male and female students attending each year was normally very close, but the number of females always exceeded the number of males (Figure 6).

The University moved from the quarter system to the semester system beginning in June 2012. Stone Lab summer enrollment in 2012 was a record (245 students) as students hurried to graduate under the old quarter system requirements. However, enrollment declined in 2013 to 216 and 2014 to 201, and similar to the response after the decline in 2001-06, a series of actions are underway to maintain enrollment well above our target level of 175/year.

OUTREACH

Stone Laboratory's outreach program includes custom-designed workshops and field trips for students in grades 5-12, workshops for special audiences, hosting conferences and meetings for groups of up to 100, tours of Gibraltar Island and our facilities including the historic South Bass Island Lighthouse and the historic Put-in-Bay Fish Hatchery, which we converted into our Aquatic Visitor's Center in 2009, and an annual series of Guest Lectures and Research Briefs on Thursday evenings during the summer. A formal 5-year lease of the Hatchery was signed with the owner, the Ohio Division of Wildlife within the Ohio Department of Natural Resources, in 2010 and renewed in 2014. The goals of all of the outreach efforts are to enhance STEM education and to provide unbiased, science-based information to students, elected officials, decision makers, science writers, and the general public. The outreach program also includes many invited presentations by Sea Grant and

Stone Lab staffs at conferences and meetings. These presentations are summarized in annual reports for the Ohio Sea Grant College Program. The staff is also frequently contacted and interviewed by reporters working on stories about Lake Erie issues. Annual media coverage is contained in reports which are available on the Ohio Sea Grant website (ohioseagrant.osu.edu).

The number of field trips, conferences and workshops hosted at Stone Laboratory has grown significantly and ranged from approximately 140 in 2006 to 250 in 2013, with over 200 groups every year since 2009 (Figure 7). The total number of participants annually in these groups has also gone up significantly since 2006 from just over 2,500 to almost 30,000 (Figure 8). Spring participation was relatively constant over the 9-year period varying from about 1,800-3,000, fall participation grew significantly from about 2,500 to almost 6,000, but summer participation showed the greatest increase and the impact of the Aquatic Visitors Center increasing from about 1,300 participants in 2006 to 21,000 (Figure 8). A complete listing of the field trips conferences and tours between 2006 and 2014 is contained in Tables 28-36.

The custom-designed aquatic science workshop and field trip program for grades five through adults continues to flourish. For each grade level 5-12, the workshop is matched with Ohio Science Education Standards to enhance the classroom-based curriculum. These workshops range in duration from 1-3 days and generally include a science cruise on one of the Laboratory's research vessels, the *MV Bio-Lab* or the *MV Gibraltar III*. Students collect samples using fish trawls, bottom samplers, plankton nets, electronic probes, etc. and return with them to the Laboratory, where they are taught to use microscopes and analyze their samples and data. Annual participation in this program varied between 2500 and 3500 from 2006-14 (Figure 9).

Some of the more noteworthy outreach activities from 2006-14 are highlighted below.

Guest Lectures and Research Briefs. Stone Laboratory continued its traditional schedule of Thursday evening guest lectures each summer with a fantastic group of speakers. Each of the lectures was preceded by a research lecture in a series called "Research Briefs," where the students have a great opportunity to learn about on-going research projects and the work of their professors and Sea Grant scientists. Guest Lectures and Research Briefs were broadcast live over the internet and recorded and stored on the Ohio Sea Grant website. The individual lectures and briefs for each year are listed in Tables 37-54.

State Legislature/Congressional Day. This event continues to be a premier outreach event for elected officials. On 14 July 2006, Ohio Sea Grant and Stone Laboratory hosted their 16th State Legislature/Congressional Day on Lake Erie. The all-day event attracted elected officials and decision makers from over 25 offices. Ohio Sea Grant founded this event and has hosted these biennial events since 1982. The event originally targeted only the Ohio Congressional delegation and from 1982-87 was held annually. In 1983 several members of the State Legislature asked if they could also participate. Their participation was a great success and in 1984 the event became a combined State Legislature/Congressional Day on Lake Erie. Cedar Point, the Jet Express, the Ohio

Wine Producers, the Lake County Visitor's Bureau, and the FOSL were regular co-hosts. The NOAA Sea Grant College Program has recognized it as a National Best Management Practice. We co-hosted the 20th event as part of the Battle of Lake Erie Bicentennial Celebration on 29 August 2013 with the Catawba Island Club and the Erie Shores and Islands Visitors Bureau.

Coastal County Commissioners, Mayors and Decision-Makers Day on Lake Erie.

Initiated in 2008 and patterned after our State Legislature/Congressional Day, this well-reviewed program for all counties in the Lake Erie watershed has continued annually, and attendance now necessitates two separate dates each year. Each offering of the one-day event includes a presentation and discussion to enhance understanding of critical issues facing Lake Erie, lunch and Gibraltar Island tour, a visit to the Aquatic Visitors Center and the South Bass Island Lighthouse, a science cruise on one of the Lab's research vessels, and brief presentations by some of our research scientists and our partners including OEPA, ODNR, the Lake Erie Commission, and the Ohio Coastal Management Program.

Lake Erie Science for Science Writers. After successfully hosting the Institutes for Journalism and Natural Resources at Stone Lab in 2008, 2009 and 2012, Ohio Sea Grant began hosting annual Science Writers Workshops, Annual Charter Boat Captains Workshops, and annual meetings of OSU Communicators at Stone Lab in August 2012. We recognized that science writers and communicators can reach thousands of people with a single article and that charter captains speak to hundreds of people each year. By providing them with a better science background on the most important issues facing Lake Erie, they could help us in our outreach efforts. These are very popular programs and are repeated annually.

Watersnake Outreach. After an intensive 10-year effort, the Lake Erie Watersnake was removed from the list of federally threatened species. It is found only on and around the Western Basin islands of Lake Erie, and human and snake interactions too often resulted in the demise of the rare reptile. The US Fish and Wildlife Service (USFWS) listed the Lake Erie Watersnake as a federally threatened species as the population dropped to about 2,000 animals. Using Ohio State's Stone Lab as home base for three summers, Ohio Sea Grant supported researchers Dr. Kristin Sanford and Richard King studied the habits of the rare snake. They also developed an intensive outreach campaign to educate local residents and transient boaters about the need to protect the snake. The nation learned about the snake in 2006 as Dr. Stanford's work was featured on the Discovery Channel's "Dirty Jobs with Mike Rowe" program. As a result, Dr. Stanford's work on the snake became Stone Lab's most popular outreach activity. In 2011, the snake rebounded to almost 12,000 individuals. Surveys say public opinion about the snake is friendlier toward the reptile and human-caused deaths are decreasing. Working with private landowners and the Lake Erie chapter of the Black Swamp Conservancy helped to permanently protect almost 11 miles of shoreline and 300 acres of snake habitat. Ohio Sea Grant researcher Dr. Kristin Stanford and Northern Illinois University professor Dr. Richard King continue to lead the 5-year (2011-2015) post-delisting monitoring plan (PDMP) for US Fish and Wildlife Service for the recently federally delisted Lake Erie Watersnake. The plan will continue to monitor the populations of the endemic snake,

assess prey density and examine for changes in life history characters. Other scheduled PDMP activities continue throughout the year including an intensive outreach campaign to inform local residents, transient boaters and tourists.

Lake Erie Day at the Cleveland Boat Show. Ohio Sea Grant and Stone Lab collaborated with the Lake Erie Marine Trades Association (LEMETA) to create the first annual Lake Erie Day at the Cleveland Boat Show with a portion of proceeds going to Ohio Sea Grant and Stone Lab in January 2009. LEMETA had been providing fee booth space to the program for education and outreach at the Boat Show dating back to 1979. LEMETA has continued that uninterrupted support, but wanted to do more. That desire resulted in their Lake Erie Day at the Boat Show. The FOSL has matched their gift to the program each year.

Solar and Solar Thermal Installations at Stone Lab. We strive to be a good example, or model, for students and society. As we improved our facilities and reduced our energy consumption, we tried to make all of our actions include opportunities for research, education, and outreach. Those were very important considerations as we designed our solar installations, e.g., we didn't want to simply reduce our costs and our power consumption, we wanted to enhance our ability to do solar and solar thermal research, education, and outreach using our new installations. We also wanted the millions of people who visit our website and the many teachers who take our courses to be able to see, understand, and use our energy production data and information while working at Stone Lab and from their homes, offices, and classrooms.

Solar and solar thermal projects at Stone Lab were constructed in two phases. Phase I included the installation of a solar pavilion that can also be used as an outdoor classroom, two ground mounts, and solar thermal on the Dining Hall. Phase II included the installation of 40 solar panels on the roof of Stone Lab. Funding was supplied by the Ohio State Office of Energy and the Environment with the support and advice of the Ohio State President's and Provost's Council on Sustainability (PPCS), the Ohio State Office of Research, and the Friends of Stone Laboratory (FOSL). Our desire was to have these projects demonstrate multiple solar energy production strategies, fit into the Gibraltar Island setting, and enhance our research, education, and outreach missions, in addition to reducing our energy consumption and costs.

The solar pavilion is visible from the Village of Put-in-Bay and has 44, 240-watt panels, each with a microinverter to convert the electricity produced by the panels from direct current (DC) to alternating current (AC). Half (22 panels) of the panels are monocrystalline silicon (15% efficiency, a little more expensive, and normally a little more efficient on cloudy days) and half are polycrystalline silicon (14% efficiency and a little less expensive). The pavilion was constructed using the foundation of the old sewage treatment plant and now serves as an outdoor classroom and meeting location. In front of the pavilion, two, 3-panel, monocrystalline ground mounts can be manually tilted toward or away from the sun to enable experiments on energy production and orientation. The total of 50 panels in the Phase I installation became operational on 13 June 2012. Microinverters allow each panel to communicate with the website to allow tracking of the output of each panel.

On the roof of Stone Lab, the Phase II solar installation consists of 40 SunPower, 327-watt, high efficiency panels (20% efficient) that became operational on 23 October 2013. The installation was designed to extend the architecture of the windows into the roof. Each horizontal row of 10 panels represents a different solar production strategy for optimizing and converting the DC electricity produced by the solar panels to AC.

Being an Example of Sustainability and Addressing Climate Change. Harmful algal blooms (HABs), excessive growths of blue-green algae or cyanobacteria capable of producing toxins that harm people and animals, returned to Lake Erie about the turn of the century and were present in almost 150 locations in 21 states, Canada, and many other countries in 2012. Climate change exacerbates the problem by producing warmer water that favors blue-green algae and by increasing the frequency of severe storms that allow more fertilizer, manure, and sewage (carrying the nutrients the algae require) to flow into our lakes and streams from agricultural fields and sewage treatment plant overflows. OSU's Sea Grant and Stone Lab address these problems with research, monitoring, courses, and public outreach, and we lead state and regional efforts to identify nutrient loading targets to eliminate the problems for Ohio, Lake Erie, and all of the Great Lakes. However, it is also important that we be a good example to students and the public and demonstrate that we are trying to do our part to address the problems by reducing our carbon footprint and our nutrient inputs. Some of our efforts to do this are briefly described below.

- The old septic tank was replaced with a small packaged plant in 1989, which was later eliminated when we tied into the village sewage treatment system.
- The FOSL purchased and installed compact fluorescent light bulbs.
- Two-cycle outboard engines were replaced with 4-cycle engines, which produce less pollution.
- All toilets and showerheads were replaced with low-flow units with a grant from Royal Bank of Canada and FOSL support. This saves about \$6000 annually.
- The attic of the Lighthouse was insulated and the Bayview Office and Peach Point Cottage were fully insulated.
- High efficiency furnaces were installed in the Research Building, Bayview Office, and Lighthouse.
- Heated space in the winter in the Research Building was reduced by 2/3.
- Terraces were added on Gibraltar Island to prevent runoff and foster lawn growth.
- A small compost facility was added for Dining Hall waste.
- Windows in five buildings have been replaced with better-insulated and less drafty windows and a sixth building (Sycamore Cottage) will have windows replaced in early 2015.

State Fish Hatchery/Aquatic Visitors Center. Beginning in 2009, we partnered with the Ohio Department of Natural Resources Division of Wildlife on an education and outreach program at the historic state fish hatchery at Put-in-Bay on South Bass Island. Over 12,000 people visited in the first year. In 2010, we signed a 5-year lease with the Division for \$1/yr (5-yr lease renewed in 2014) to collaborate on the use of the facility as an Aquatic Visitors Center (AVC). We maintain/improve the facility and lead the education

and outreach program, which now attracts over 20,000 visitors per year to learn about Great Lakes science and critical issues facing Lake Erie. Current and former Stone Lab students gain valuable teaching experience working in the AVC.

Excessive Nutrient Loading and Harmful Algal Blooms. Ohio Sea Grant and Stone Lab began working on this problem in the late 1920s. That work peaked in the 1970s as we led monitoring programs to clean up Lake Erie. The focus on this work returned in the late 1990s as nutrient concentrations increased and the blooms returned. Dr. Reutter served on the Ohio Phosphorus Task Force I & II and chaired the Loading and Concentration Subcommittee to determine the phosphorus load reductions needed to solve the problem. He also served on the Directors' Agricultural Nutrients and Water Quality Working Group (ODNR, OEPA, and Ohio Dept. of Agriculture), and on Annex 4 (Nutrients) of the Great Lakes Water Quality Agreement (US and Canada) where he is the US Co-Chair of the Objectives and Targets Task Team to develop appropriate nutrient loads to address the nutrient loading problem on all five Great Lakes. Ohio Sea Grant is one of the most visible leaders addressing this problem at the state, regional, and national levels, and Stone Lab is the base for much of the outreach and research on this problem. The Joyce Foundation recognized the value of our leadership and outreach on this problem and began supporting Dr. Reutter and the work at Stone Lab in 2012. Their support has continued through 2016.

Complete renovation of the first floor of the Research Building at Stone Lab was completed in 2012. Dr. Justin Chaffin, a former student and Stone Lab REU (2006), was hired to manage the Research Program at Stone Lab in 2012. The Water Quality Lab in the building was completely gutted and renovated, with new water quality testing equipment in 2013 with support from OEPA, the OSU Office of Research, and the FOSL. OEPA gave Dr. Chaffin a grant for nutrient and algal toxin monitoring and research in Lake Erie. Part of that grant was to support Dr. Chaffin leading a "citizen science" effort where he trained five volunteer fishing charter captains and they collected water samples for him. This work continued through 2015. The captains did this as an outreach element during the charter fishing trips. Visiting and learning about the important work going on in the Water Quality Lab is an important part of every group's visit to Stone Lab.

Toledo Water Crisis of 2014. When the Toledo issued the "do not drink order" for their water supply to over 400,000 people on 2 August 2014, Ohio Sea Grant and Stone Lab were contacted immediately for their help. Dr. Justin Chaffin was contacted by OEPA and took Stone Lab supplies to the Toledo Water Plant to help them test the water for toxins. Drs. Reutter and Chaffin were on very frequent conference calls with OEPA, USEPA, and Toledo Water Plant operators during the 55-hour crisis. Dr. Reutter was contacted by Senators, Congressmen and Women, and State Representatives and Senators to help them understand and respond to the crisis, and in the first week was interviewed by newspapers, radio, and TV over 30 times. This coverage included Good Morning America, MSNBC, NBC Nightly News, PBS News Hour, NPR, BBC, many Ohio stations, the Wall Street Journal, NY Times, Washington Post, Chicago Tribune, Cleveland Plain Dealer, Columbus Dispatch, Toledo Blade, and many more.

Working with Farmers and the Farm Bureau to Reduce Nutrient Loading. In the 1970s, the largest source of nutrients to Lake Erie was poor sewage treatment. Today, the largest source is non-point runoff from agricultural land. Reducing the load will require thousands of farmers and agricultural businesses to change their behavior. As a result, field trips and workshops for farmers and farming leaders have become one of our most important outreach and educational efforts. Each year hundreds of farmers, farm bureau leaders, and agribusiness leaders come to Stone Lab from Ohio, Indiana, and Michigan to participate in workshops, go on science cruises to collect water and algae samples and pull fish trawls and see for themselves the problems being created by excessive nutrient loading and HABs.

Water Treatment Plant Managers. At the request of OEPA, Stone Lab began offering 2-day Algae Identification Workshops in 2009 to teach OEPA staff and water treatment plant managers how to identify harmful forms of algae so they would know when to start treating their water for algal toxins. In 2010 a second 2-day workshop was added to teach water treatment plant operators how to deal with algae and algal toxins in the treatment process. These workshops have been very successful and have continued every year through 2014.

Ohio State University President's Club. Ohio Sea Grant and Stone Lab hosted two visits by the OSU Presidents Club for the first time in June 2012. The visit and the educational program we provided, was very well received and the Club returned on two dates each year in 2013 and 2014.

Helping Communities Provide Safe Drinking Water. Ohio Sea Grant sits on the interagency Harmful Algal Bloom Workgroup organized by the OEPA. Through this group, Ohio Sea Grant and the OEPA partnered with the Ohio Departments of Natural Resources and Health on related outreach. The OEPA certifies water professionals in the state of Ohio and partnered with Sea Grant/Stone Lab to develop workshops on algae identification and algal toxins that apply toward maintaining professional certification. These workshops are still held at Stone Lab and attract 40 students annually. OEPA, through its Ohio Environment Education Fund, has also supported equipment purchases in our water quality lab and our training programs for students and water treatment plant managers.

Annual Stone Lab Open House. The annual September Ohio Sea Grant and Stone Lab Open House in conjunction with the Annual Meeting for the FOSL began in 1998 and continues to be the largest single outreach event hosted at the Laboratory. Each year over 1000 people visit Gibraltar Island, the Aquatic Visitors Center, and the South Bass Island Lighthouse as part of the event. Visitors are shuttled to Gibraltar Island from the Research Dock and given guided tours of the island and opportunities to visit several of our classrooms and observe live specimens, use microscopes, and learn from experts about aquatic invasive species, Lake Erie fisheries, herpetology and our work on the Lake Erie Watersnake, plankton and harmful algal blooms, climate change, and the Lab's solar panels and solar thermal installation.

OSU Climate Change Outreach Team. The Ohio State University Climate Change Outreach Team began in 2009 as a partnership among 10 Ohio State departments, including Byrd Polar Research Center, Ohio State Extension, and Ohio Sea Grant to combine resources and strategically plan ways to disseminate climate change information to the general public. In 2012, Stone Laboratory educators created a 7-topic Climate Expedition educational program and panel display, which was incorporated into the spring and fall 2013 field trip program for grades 5-adults. A total of 575 youths and 123 adults participated in the climate field trip program at the Lab in 2013, with another 650 youths and 675 adults participating in hands-on climate curriculum demonstrations at events Ohio Sea Grant attended or sponsored. In 2014, 550 youths participated in the climate field trip program at Stone Lab.

We also use the travel versions of the climate posters with formal and informal educators. Stone Lab education staff do a simulated Climate Walk with hands-on stations to introduce teachers to the Climate Literacy Principles, to model how they might "use" literacy principles in a classroom, as an introduction to the compendium of climate lessons Ohio Sea Grant has to offer on its website, and to teach a bit about climate.

Informal educators find them especially engaging, as the graphics are crisp, eye-catching and succinct. They like the idea of using the principles as a framework to both teach about climate science and as a way to focus on place-based learning. It can be adapted to every setting. The Climate Walk is a strategy to bring local relevancy to a global issue. In 2014, 1025 youths and adults participated in 17 hands-on climate curriculum demonstrations at events Ohio Sea Grant attended or sponsored.

Scholarships at State Science Day. The Ohio Academy of Sciences hosts the Annual State Science Day each May. Over 1000 students in grades 6-12 compete with outstanding research projects. The FOSL began awarding scholarships at this event in 1995 as part of the Stone Lab Centennial Celebration. They have continued this annually and increased the number awarded over the years. Fifteen scholarships were awarded in 2014. Each scholarship covered the cost of room and board in one of the Lab's one-week introductory courses. The students must ask to be judged in this competition. This program creates great visibility for the Laboratory and brings us in contact with a great group of students.

Other Influential Groups. From 2006-14 many other groups participated in outreach programs at Stone Laboratory, including: NOAA Science Advisory Board (2008), Midwest Region State Agriculture Department Directors (2009), joint meeting of The Nature Conservancy Ohio and the Ohio Environmental Council (2009), National Assembly of Sea Grant Extension Program Leaders and Communicators (2011), OSU Roads Scholar Tour (2011), Lake Erie Commission (2012), Western Lake Erie Partnership (2012), Lonz Foundation Board of Trustees (2012), Ohio Environmental Council with Congressional Aids and Agriculture Leaders (2012), NRCS and Agriculture Leaders Nutrient Workshop (2012), Tri-State Workshop The Nature Conservancy Boards for Trustees from Ohio, Indiana, and Michigan (2012), and the National Sea Grant Advisory Committee (2013).

Invited Testimony before Legislative and Congressional Groups. Dr. Reutter was asked to testify and explain Lake Erie issues at Congressional and Legislative briefings and hearings on the following occasions from 2006-14:

- Reutter, J.M. “Lake Erie Fishery Harvests and House Bill 609.” A Hearing of the Ohio House Finance and Appropriations Committee. Ohio State House. 29 November 2006.
- Reutter, J.M. “The Ohio Sea Grant College Program and Stone Laboratory.” Ohio House Agriculture and Development Subcommittee of the Finance Committee. Ohio State House. 4 April 2007.
- Reutter, J.M. “Lake Erie Overview.” Field Hearing for US Senator George Voinovich. Lake Erie Center. University of Toledo. 21 April 2008.
- Reutter, J.M. “The Ohio Sea Grant College Program and Stone Laboratory.” Ohio House Agriculture and Development Subcommittee of the Ohio House Finance and Appropriations Committee. Ohio State House. 11 March 2009.
- Reutter, J.M. “The Ohio Sea Grant College Program and Stone Laboratory.” Ohio House Agriculture and Natural Resources Subcommittee of the Ohio House Finance and Appropriations Committee. Ohio State House. 31 March 2011.
- Reutter, J.M. “The Great Lakes Compact.” Ohio House Agriculture and Natural Resources Committee. Ohio State House. 8 June 2011.
- Reutter, J.M. “Nutrient Loading and Harmful Algal Blooms. Ohio House Agriculture and Natural Resources Committee. Field Hearing. Port Clinton, Ohio. 9 December 2012.
- Reutter, J.M. “The Great Lakes Compact.” Ohio House Agriculture and Natural Resources Committee. Ohio State House. 18 April 2012.
- Reutter, J.M. “The Ohio Sea Grant College Program and Stone Laboratory.” Ohio House Agriculture and Natural Resources Subcommittee of the Ohio House Finance and Appropriations Committee. Ohio State House. 6 March 2013.
- Reutter, J.M. “The Ohio Sea Grant College Program and Stone Laboratory.” Ohio Senate Education Finance Subcommittee of the Ohio Senate Finance Committee. Ohio State House. 7 May 2013.
- Reutter, J.M. “Harmful Algal Blooms: What Are They, Why Do We Have Them, and How Can We Prevent Them?” Congressional Briefing for the Northeast-Midwest Congressional Institute. 385 Russell Senate Office Building. 17 June 2013.

- Reutter, J.M. “Lake Erie Update.” Lake Erie Legislative Caucus. Ohio State House. 29 January 2014.
- Reutter, J.M. “Harmful Algal Blooms (HABs) in the Great Lakes, US, and World.” Congressional Briefing for the Northeast-Midwest Congressional Institute. 3 September 2014. Webinar.
- Reutter, J.M. “Climate Change, Nutrients, Ag Runoff: The Lake Erie Example.” American Meteorological Society Policy Program's Capitol Hill Briefing. 385 Russell Senate Office Building. 21 October 2014.

Stone Lab and Sea Grant and the Media. Stories are often written about Stone Lab and Sea Grant work and our programs. We are recognized as an unbiased source of accurate science-based information on Lake Erie issues, and are often contacted and asked to explain these issues. In 2006, 268 articles were written about our work in 123 venues. This number grew each year, reaching 510 articles in 229 venues in 2014.

RESEARCH

Stone Laboratory has always served as the base for much of the research conducted on Lake Erie, and research is conducted year-round. The island location and the location on the boundary between the Western and Central Basins provides easy access to the entire Western Basin, the western half of the Central Basin, the critically important Sandusky Sub-Basin, Sandusky Bay, all of the Lake Erie islands, and both the US and Canadian shorelines. Two large research vessels, the 37-foot *BioLab* (built in 1947) and the 42-foot *Gibraltar III* (built in 1981 and acquired from the Ohio Division of Wildlife in 2000) provide stable platforms for students, scientists, and workshop participants. The 25-foot *Erie Monitor* while not supporting the fisheries work of the larger vessel, has proved invaluable for water quality research and research on HABs due to its speed and ability to cover great distances and sample at many locations quickly. The 22-foot *Buckeye* has worked well in support of HAB research and can be easily trailered to any location on Lake Erie and other water bodies in Ohio. A dozen rowboats (some equipped with small outboards) provide great access for students and scientists working on projects in Put-in-Bay harbor.

Figure 10 shows the number of research projects, investigators, assistants, and institutions working at Stone Lab each year, and the number of each increased significantly over the 9-year period. The renovation of the first floor of the Research Building was completed prior to summer 2012 and Dr. Justin Chaffin was hired as the Research Coordinator. The capabilities of the program improved again in 2013 when the Water Quality Laboratory renovation was completed. The table below clearly shows the impact of this construction and Dr. Chaffin’s hiring as the average number of research projects, investigators, research assistants, and institutions working at Stone Lab increased significantly between 2006-11 and 2012-14.

<u>Average #</u>	<u>2006-11</u>	<u>2012-14</u>
Research Projects	15.2	27.3
Investigators	11.0	25.3
Assistants	45.7	93.7
Institutions	7.5	20.0

The renovation of the research building was designed to create maximum flexibility so that the floor plan can be easily modified to meet the needs of a variety of projects. Each year it is used for projects focused on the Lake Erie Watersnake, fisheries, nutrient analyses and water quality, HABs, and birds.

Stone Laboratory is the shared research facility of the Great Lakes Aquatic Ecosystem Research Consortium (GLAERC), created in 1992 and composed of aquatic scientists at 12 Ohio colleges and universities: Bowling Green State University, Case Western Reserve University, Cleveland State University, Heidelberg College, John Carroll University, Kent State University, Miami University, Mount Union College, Ohio State University, Ohio University, the University of Toledo, and Wright State University. GLAERC enhances collaboration, cooperation, communication, and equipment and facility sharing to make Ohio's top scientists more competitive for federal funding and to allow them to better address the critical issues and problems affecting Lake Erie and Ohio's surface waters.

As noted in the “outreach section” above, Stone Lab’s major research efforts from 2006-14 were related to the Lake Erie Watersnake and HABs. Detailed information on research projects can be found on the Sea Grant website and in reports prepared for program reviews in 2010, 2012, and 2014. These reports are also on the Sea Grant website.

At the end of 2014, the Ohio Department of Higher Education (formerly the Ohio Board of Regents) designated \$2 million for research related to excessive nutrient loading and HABs. Ohio Sea Grant was asked to manage these funds for all universities in Ohio. We hosted a planning meeting in November at Heidelberg University that was attended by 65 scientists. Eighteen collaborative projects were developed involving scientists from 9 Ohio universities. These projects focused on: 1) nutrients and HABs in Lake Erie and the development of early warning systems for water treatment plants, 2) new technologies and strategies to deal with algal toxins in water treatment plants, 3) reducing nutrient runoff from agriculture, 4) human health impacts of algal toxins, and 5) economic and social science projects to develop new strategies to reduce nutrient loading. The universities matched the funding from ODHE for the 18 projects, and the College of Food, Agricultural and Environmental Sciences at Ohio State added \$1 million for five additional projects. The 2-year projects were initiated on 1 April 2015 and updates on all 23 projects can be found on the Ohio Sea Grant website. Many of the projects involve Stone Laboratory. The ODHE added \$2 million for new projects to be initiated in 2016.

DONATIONS AND FRIENDS OF STONE LABORATORY

In 1981, a group of former Laboratory students, faculty, and individuals concerned with science education and the Lake Erie ecosystem, formed the “Friends of Stone Laboratory” (FOSL). The goal of the Friends is to enhance the research, education, and outreach programs at the Laboratory to allow students in the future to experience the same opportunities they had and to protect and restore the Lake Erie ecosystem. The FOSL also serve as an alumni association for former students and faculty. Many former Stone Laboratory students have said the Laboratory provided the best learning experience of their academic careers. They frequently cite the value of the hands-on approach to learning and the corresponding increase in retention of the information. The words of Benjamin Franklin are frequently used to emphasize this point: “Tell me, I forget. Show me, I remember. Involve me, I understand.”

The Friends raise funds for scholarships, supplies and equipment, and they volunteer time and materials to keep the facilities in good repair. They organize volunteer clean ups of Stone Lab and South Bass Island cultural facilities in spring and autumn: spring work weekends and the annual fall “Buckeye Island Hop” or IHOP as they like to call it. In addition to a large number of financial donations to current use accounts for the Lab, the FOSL were helpful in the creation of the Lab’s first endowment in 1983, and have since aided in the creation of 20 more. These endowments, with additional contributions from organizations, clubs, industries, and individuals, support dozens of student scholarships each year.

Six new endowments were created between 2006 and March 2015 when Dr. Reutter retired, two more are underway, and four planned gifts were created. Endowed funds created since 2006 include:

- The Fortner Teacher Enhancement Scholarship Fund at Stone Laboratory (662261) established 22 September 2006
- The Foltz Family Endowment (662269) (funds are shared and disbursed to the program every third year) established 6 February 2009
- The Blankenship Memorial Endowment (680456) established 14 May 2010
- The Stone Lab Tuition Reduction Endowment (680429) established 18 June 2010
- The Rudolph Family Fund (646227) (funds are shared and 50% is disbursed to the Cook Castle Fund) established 10 February 2012
- The Karen A. Jennings Facility and Instructional Support Endowment (643446) established 5 June 2015

Funds we are trying to grow to the endowment level include:

- The Wiczulis Family Stone Lab Scholarship Fund (Pending 482281)
- The Dr. Reutter Stone Lab Endowment Fund (Pending 482765)

The total value of the 21 Sea Grant and Stone Lab endowed funds increased by approximately \$350,000 since 2006.

Scholarships Awarded from Donations. From 2006-14, with the assistance of the FOSL, we were able to award 389 scholarships (186 to college students and 200 to high school students in our introductory courses, and 3 to participants in workshops) totaling \$225,410 (Figures 11 and 12). A total of 98 scholarships were awarded to outstanding high school students at the Ohio Academy of Science's State Science Day.

REU Program. Our Research Experience for Undergraduates (REU) Scholarship Program was initiated in 2005 and supported entirely with donated funds from three endowments. These students take a 5-week course at Stone Lab for which they are in class three days/week. On their three off days, they work on a research project led by scientists from Ohio Sea Grant, the Ohio Division of Wildlife, Ohio EPA, or the US Geological Survey. This experience is excellent preparation for graduate studies or professional life. The REU scholarships cover tuition for eight credit hours in one summer term, the associated lab fee, and room and board. This is a very competitive program. Through 2014, 104 students have participated in the program and received scholarships valued at \$345,055, and from 2006-14, a total of 90 students were selected to participate and received \$298,863 (Figures 13 and 14). Dr. Justin Chaffin, our Stone Lab Research Coordinator, is a 2006 graduate of this program. Dr. Chaffin manages our water quality lab and our work on nutrient loading and harmful algal blooms. He is also currently testing drinking water in our Laboratory for seven coastal communities. Sarah Orlando, our Clean Marina Coordinator, was a 2007 REU working with Dr. Winslow. Sarah went on to be a Field Station Assistant at Stone Lab, then Assistant Lab Manager, then got a MS Degree at Texas A&M before returning as our Clean Marina Coordinator. Other graduates have gone on to doctoral programs and very successful careers all over the world. One former REU is in Costa Rica and one has done research in Greenland.

From 2006-14, a total of 479 students received scholarship or REU support totaling \$524,273.

FACILITIES AND EQUIPMENT

The report from the 2005 Site Visit by experts from the National Sea Grant College Program recommended that we strive to improve the facilities at Stone Lab, and the new management structure is allowing that to happen. Some of the projects completed from 2006-14 include: construction of a patio and meeting area at the entrance of the Stone Lab Dining Hall, renovation of the Water Quality Laboratory (including new equipment), renovation of the interior and exterior of the Research Building including restoration of the chimney, restoration of the first floor of Stone Laboratory on Gibraltar Island, complete rewiring of six buildings, replacement of roofs on 12 buildings, replacement of floating docks, dredging the dock area at Gibraltar Island, repairing sidewalks and sewer lines, remodeling the South Bass Island Lighthouse and two cottages, adding a whole-building generator to the Research Building and two fume hoods, installing new high-speed Internet and WiFi service for all Stone Lab facilities, adding four video cameras that provide live video feeds on the Ohio Sea Grant website, launching a new monitoring buoy north of Gibraltar Island, installing high efficiency furnaces, air-conditioning the

Lighthouse, replacing windows on five buildings, replacing siding on three buildings, insulating four buildings, replacing outboard motors with 4-cycle models, placing defibrillators in three locations, and much more.

In 2012 solar thermal was installed on the Stone Lab Dining Hall roof. Almost all of the hot water used in the Dining Hall, our greatest user of hot water, comes from solar thermal. Also in 2012, a solar pavilion with 50 solar panels was added where the old sewage treatment plant had been located. In 2013, 40 solar panels were added on the roof of Stone Lab. Building on the research, education and outreach focus of Sea Grant, these panels test seven different solar production strategies and the output is viewable on the Ohio Sea Grant website. Using a grant from Royal Bank of Canada and the FOSL, we replaced all toilets and showerheads at Stone Lab with low-flow units, saving over \$6,000 annually.

Research vessels, small outboards, and rowboats are generally in very good condition. The one important exception is the 37-foot *BioLab*. While the vessel is in excellent condition, it was built in 1947, making it almost 70 years old. This vessel should be replaced very soon. All vehicles are in excellent condition.

THE FUTURE

Facilities. After many years of degradation and deferred maintenance, Stone Lab's new management structure has allowed huge improvements in all of the facilities. By the summer of 2016, renovation of the last cottage will be completed. The remaining needs and priorities include:

- Renovation of the second and third floors of Stone Lab,
- Restoration of the interior of Cooke Castle and conversion to a conference center,
- Electrical rewiring of the Dining Hall, and,
- Construction of new housing facilities for research scientists and resident scientists.

Program Staff. Program growth and a number of retirements allowed four Ph.D.'s to be added to the staff: Dr. Christopher Winslow as Assistant Director (promoted to Associate Director in 2014) in 2011, Dr. Kristin Stanford as Education and Outreach Coordinator and Research Scientist in 2012, Dr. Justin Chaffin as Research Coordinator in 2012, and Dr. Kristen Fussell as Executive Assistant in 2014 (promoted to Research Development and Grants Manager in 2015). Each of these outstanding scientists has been successful preparing proposals and bringing in new funding to the program.

Ohio Sea Grant and Stone Lab are very complex programs to manage. The leader of these programs is responsible for a staff of approximately 90 people, maintaining 20 buildings on two islands, a main office is Columbus, a field station at Put-in-Bay, six extension offices between Toledo and Painesville on the Ohio shoreline, a dining hall and dormitories, research facilities, Cooke Castle a National Historic Landmark, the historic South Bass Island Lighthouse, alumni and donors, registering students, seeking and managing

endowments and donations, paying utility bills, awarding scholarships, managing a research program and awarding research grants, writing proposals for research and outreach, developing a curriculum of courses and workshops at Stone Lab, and communicating clearly with scientists, managers, elected officials, students, decision makers, science writers, and the public. It takes at least two years to see everything the program does happen at least one time. All four of the recently hired Ph.D.'s gained the needed experience managing their pieces of the program and working with Dr. Reutter before he retired. They are prepared to lead and the program is in good hands.

The Future is Bright. The Lab's reputation, facilities and equipment have never been better, the staff is very strong, new leaders are in place and have the experience and knowledge to be successful, the base of donors and alumni is very strong, our reviews by the National Sea Grant College Program have all been very good, our national ranking is very high, and funding is stable and growing. The management team understands the complex proposal and reporting requirements of the National Sea Grant College Program and has the needed experience to meet the requirements. The program is on a steep upward trajectory and the pieces are in place to allow that trajectory to continue as the program moves from excellent to exceptional.

STONE LABORATORY HISTORY BEFORE 2006

Note: This section was expanded and modified from an article in the October 1994 issue of *Twine Line* by Maran Hilgendorf. Research for that article was conducted by Becky Vidra and Ohio State Archivist Bertha Ihnat. Information was obtained from various deeds, reports, and newspaper articles.

It was a time far different from our own. The commercial fishery on Lake Erie was still strong but would soon collapse. Automobiles were being perfected, and only a few roads in the largest of cities were paved. Only a few elite hotels had electric lights and toilets, and the motion picture industry was brand new. The x-ray was discovered, the typewriter and wireless telegraphy were just invented, and the botulism bacterium, *Clostridium botulinum* was isolated.

It was during this time—in 1894—that Professor David S. Kellicott, Chair of the Department of Zoology and Entomology, requested of then Ohio State University President Scott “the establishment in the near future of a lake laboratory at or near Sandusky and the creation of a State collection of fishes in Ohio ... to afford an opportunity and a stimulus to instructors and students of biology to spend their vacations investigating living problems in biology, especially such as are connected with important industries like the fisheries.”

On 2 September 1895, The Ohio State University Board of Trustees approved the project and appropriated the sum of \$350 for the construction of a second floor to the Sandusky Fish Hatchery Building. Kellicott and four graduate students conducted research during the next two summers until Kellicott's death.

Professor Herbert C. Osborn became chair and Laboratory director in 1899. Courses for credit were first offered in 1900, chiefly at the request of high school teachers who wished instruction in field biology. Fourteen students attended that year.

“A more adequate location for field work with more laboratory space” was soon desired, so Osborn obtained a 50-year lease from Cedar Point Resort and for \$3,387 erected a frame building that was dedicated 2 July 1903. The number of students attending classes increased to 22 and research continued.

It soon became the policy that two members of the instructional staff were chosen from other institutions to “promote cooperation from the other colleges and universities and to attract students.” This practice continued from 1902 throughout the first 50 years.

State Fish Hatchery officials at Put-in-Bay donated the second floor of their hatchery building to the Lake Laboratory in 1913 because Cedar Point had become so large and popular that it was no longer a desirable site for the Laboratory. For the next several years, most of the 20 or so students who attended each year were men who were housed and had their meals in a nearby cottage. Because of the hostilities of the First World War, attendance declined to an all-time low of two students in 1918.

From 1917 to 1937 Professor Raymond C. Osburn was Laboratory director. In 1920 he became a member of the advisory board of the Ohio Fish and Game Division. With this appointment he was able to arrange subsidies to conduct a fisheries survey in Ohio from 1920 to 1923. During this time, enrollment had grown to the point that they were “bursting at the seams.”

On 6 July 1925, Julius F. Stone, a member of The Ohio State University Board of Trustees, presented Gibraltar Island to The Ohio State University as a permanent home for the “Lake Laboratory,” to be devoted to the purposes and uses of teaching and research. In deeding the island to the University, Stone located the Laboratory in “the most favorable location in Ohio, possibly even in the Great Lakes basin.”

In his letter to the Trustees, Stone stated that “with the enormous increase in population and with no indication of any diminution, it seems quite inevitable that human life will sooner or later press against the limit of subsistence, consequently every source of food supply must not only be conserved, but developed.”

The University's Board of Trustees resolved that the Laboratory should thereafter be known as the Franz Theodore Stone Laboratory in honor of the father of Julius F. Stone. On 22 June 1929, the University formally opened the new 21-room Laboratory Building. According to Osburn, moving to Gibraltar Island would “permit more than twice as many students to attend.”

In 1934, a committee appointed by Ohio State President Rightmire determined that the Laboratory should broaden its scope to include research and service in biology and human welfare. They also recommended that a full-time director and permanent staff should

operate the Laboratory and that only graduate students be admitted for course work. This continued for nearly two decades, after which time the year-round program was discontinued because of such factors as logistical difficulties, limited facilities, years of economic depression, a second world war, and reduced state support and enrollment (only five students were enrolled in courses during the summer of 1955). Because of the enthusiasm and encouragement of former students, the Ohio State administration continued the summer course program under the direction of Professor Loren S. Putnam. For nearly three decades, approximately 18 courses were offered during two summer terms (5 weeks), with a capacity of 60 students.

After the retirement of Osburn, succeeding directors included Dwight M. DeLong, (1936-1938), Thomas H. Langlois (1938-1955), Loren S. Putnam (1955-1973), Charles E. Herdendorf (1973-1987), and Jeffrey M. Reutter (1987 to 2015).

By the late 1940s, after 50 years of operation, then retired Professor Osburn noted that students from “nearly every state in the Union” as well as students from Argentina, South Africa, and India had attended Stone Laboratory. “I hesitate to say how many doctor's and especially master's degrees have been completed on the work begun or completed at Stone Lab, and around 200 research papers have been published in connection with the work done at this laboratory.”

In 1981, the Friends of Stone Laboratory was created to provide a way for former students to support the facility in its efforts to be not just the oldest, but the best, freshwater biological field station in the United States. This association raises awareness and funds for scholarships, research, and equipment.

In 1983, the University received \$1 million from the State Legislature for a sewage treatment plant, new housing for students and workshop participants; and for upgrading of the utility services, Dining Hall, and teaching laboratories. Construction of a 48-person, 12-unit housing facility was completed in 1986. During construction in 1985, Gibraltar House served as the Dining Hall. In 1989, the University received \$1 million dollars for erosion protection, new docks, a new water treatment plant on Gibraltar, and improvements in housing for faculty and research scientists. In 1997, the Laboratory received \$500,000 from the University to begin renovation of Jay Cooke's Castle. In 1998, the State Legislature added \$500,000 to complete the renovation of the building exterior that was accomplished in 2001.

Beginning in 1987, some courses were offered in either a 2.5-week or 5-week format. In 1990, introductory, one-week, courses were first offered to freshmen and sophomores and to superior high school students.

A thorough internal and external review of the Stone Laboratory program was completed in 1988 and culminated with the signing of a “Plan of Action” for Stone Laboratory on 5 October 1988. Among other things, this “Plan” called for: (1) efforts to increase enrollment in credit courses taught at the Laboratory, (2) the institution of “a series of experimental calendars over the next few years with the eventual goal of a more flexible, innovative course calendar by 1991,” and (3) the development of a teaching budget “sufficient to hire

faculty for all courses scheduled for a given year.”

Historical Location within the University. The Director reported to the Dean of the College of Biological Sciences until 30 June 1990. During this period the Director did not have a teaching budget for the Laboratory, and, therefore, had to rely on the goodwill of various department chairs to agree to offer courses at Stone Laboratory and pay the faculty. During 1989 and 1990, negotiations were completed that resulted in a transfer of reporting lines to the Office of Academic Affairs beginning 1 July 1990 and the creation of a teaching budget for the Laboratory under the control of the Director. This gave the Director greater flexibility in determining the courses to be offered and in selecting faculty. However, the offering departments still must approve the course offerings, the faculty members selected, and the teaching assistants (TAs). In some cases, the home department assigns the TA and provides part of the stipend. During the summer of 1990, half of the teaching budget came from the departments offering courses and half came from the Office of Academic Affairs. This budget was supported entirely by the Office of Academic Affairs from 1991 through 30 June 1994. The impact of these changes is readily apparent in Figure 1.

In an effort to reduce the number of units reporting to the Office of Academic Affairs, and as a result of university-wide restructuring, Ohio Sea Grant and Stone Laboratory were moved to the Office of Research and the College of Food, Agricultural and Environmental Sciences (FAES) beginning 1 July 1994. Within FAES, the Laboratory is part of the School of Natural Resources. As a result, the Director reports to two OSU Vice Presidents: the Vice President for Agriculture and the Vice President for Research. To simplify financial and personnel management, budgets and personnel appointments are managed by the Office of Research.

Introductory Courses. In the late 1980s, several international reviews and evaluations ranked the quality of science and math education in this country, and the capabilities of our students in these subjects, very low—as low as 13th or 14th among the countries of the world. One of the problems was that science frequently was not taught in an exciting fashion or by qualified individuals within many of our schools. Stone Laboratory accepted this problem as a challenge. We felt it was up to us to do our part to improve the situation, for clearly science could be taught in an exciting fashion to all age groups at the Laboratory. However, in order to have a program that addressed science education at all levels, we had two gaps to fill—we needed to create courses for lower level undergraduates (freshmen and sophomores) and more opportunities for teachers.

Until 1990, Stone Laboratory had offered courses only for upper level undergraduate and graduate students. It seemed unfair that the Laboratory was not available to freshmen and sophomores as they were striving to determine majors and identify careers. It was also very common to receive calls from the parents of high school students inquiring about opportunities for their sons and daughters at the Laboratory. Unfortunately, with the exception of our spring and fall workshop/field trip program, there were no opportunities for these students at the Laboratory. This seemed to be a logical gap to fill if we were to achieve our goal of enhancing science education at all levels. Furthermore, if successful, courses for this audience could serve as a feeder system to our upper level courses,

thereby increasing enrollment at that level also, and providing increased flexibility in the academic calendar as we worked for full enrollment.

With this in mind, Dr. Reutter developed a 3-hour, 1-week Introductory Aquatic Biology course (Zoology 125) in 1990. While preference was given to students already in college, the course was also advertised through the Concurrent Enrollment Program at Ohio State so that superior high school students could enroll and receive college credit while still in high school. Enrollment was so great that the course was offered twice and enough students were turned away to offer it two more times. In 1991 four offerings of the course were planned, but again demand necessitated that it be offered five times, and again many students were turned away. The course was also offered four or five times each summer from 1992-98. One of the five offerings in 1997 was limited to students from the Young Scholars Program at Ohio State, and one of the five offerings in 1998 was reserved for students in the Minority Research Initiative.

In 1991, Dr. Reutter encouraged Dr. David Horn in the Entomology Department to develop Introductory Insect Biology (Entomology 126). In 1992, Dr. Reutter contacted Dr. Larry Krissek in the Geology Department who developed an Introductory Oceanography course (Geology 107). This course was so successful that it was offered twice each summer in 1993 and 1994 and once each year from 1995-04. Also, in 1992, Dr. Reutter worked with John Condit in the Zoology Department to change our 5-hour, upper level ornithology course (Zoology 624) to a 3-hour Introductory Ornithology course (Zoology 126). Consequently, from 1992-94, four introductory level courses were offered each summer, and in 1993 and 1994, due to multiple offerings of two of the courses, Stone Laboratory had a total of nine one-week introductory offerings. In 1996, Dr. Reutter worked with Dr. Robert Klips from the OSU Marion campus to develop an introductory course in Local Flora (Plant Biology 294, now EEOB 110). In 2005, Mr. Fredrick Snyder developed our first introductory physical education course through the Outdoor Pursuits program of the School of Physical Activity & Educational Services: Lake Erie Sport Fishing. The class was a great success, running at the boat capacity of 10 in its first year. Consequently, from 1998-04, five one-week introductory courses were offered, and, due to multiple offerings of Introductory Aquatic Biology, the Laboratory had a total of nine one-week introductory offerings from 1997-99 and eight from 2000-05.

Courses for Teachers. While it is very common for teachers to participate in all courses at Stone Laboratory, we were striving to develop more courses specifically for this important audience. Due to the multiplier effect, enhanced teacher training could have a greater impact on the quality of science education in this country than our new introductory courses.

Based on the success of his Introductory Oceanography course (Geological Sciences 107), in 1993 Dr. Krissek, developed a 3-hour, 1-week Oceanography course for teachers (Geological Sciences 584). As a result, we had three 1-week offerings specifically for teachers each year from 1993-95. Combining the teacher's courses with our introductory offerings resulted in 12, 1-week offerings in both 1993 and 1994.

In 1996, Dr. Krissek, with the assistance of Dr. William Ausich in Geology, offered a new

course for teachers, “The Geological Setting of Lake Erie” (Geological Sciences 583). This one-week course was developed with assistance from the Lake Erie Protection Fund and the Ohio Sea Grant College Program and represented a new experiment for the Laboratory. The course, which was very successful, began at the Fawcett Center for Tomorrow on main campus on Saturday afternoon. The students traveled by van to Stone Laboratory, spent one night and visited Kelleys Island on Sunday, and then went to the mainland. Each day they worked their way east along the Lake Erie shoreline visiting geological features and staying in motels. The trip culminated at Niagara Falls prior to driving back to Fawcett Center.

Also in 1996, Dr. Reutter worked with Dr. Carmen Trisler, Wittenberg University, and the Entomology Department to develop a new one-week course for teachers—“Insect Biology for Teachers” (Entomology 520). This course was also well reviewed by students.

In late 1998 and early 1999, Dr. Reutter worked with John Condit from the Department of Evolution, Ecology and Organismal Biology to develop a new ornithology course for teachers. “Ornithology for Teachers” (EEOB 522) was offered successfully for the first time in 1999.

In late 1998 and early 1999, Dr. Reutter worked with US EPA's Great Lakes National Program Office to develop a one-week course for teachers taught entirely aboard the US EPA, 180-ft., research vessel, the *Lake Guardian*. The course was taught by Drs. Rosanne Fortner and David Culver and two scientists from US EPA. It was a huge success, has been repeated a number of times, and is repeated anytime USEPA makes the vessel available to us.

In 2000 and 2001 Dr. Reutter worked with Dr. Joseph Holomuzki from the OSU Mansfield Campus and the staff at the Old Woman Creek NERR to develop a one-week course for teachers, “Stream Ecology for Teachers” (EEOB 785), that was taught successfully in 2001 and again in 2003-05. In 2002 Dr. Fortner worked with new faculty in environmental communications to teach “Curriculum Development for Environmental Decision Making” (NR 694). Projects developed by teachers in that course are now on an Internet site for use by others [<http://earthsys.ag.ohio-state.edu/decision/>]. In 2002 and 2003, Dr. David Johnson offered a new Natural Resources course for educators, “Aquatic Environmental Science for Teachers.”

MILESTONES IN THE HISTORY OF STONE LABORATORY

1895 Professor David S. Kellicott, Chairman of the Department of Zoology and Entomology, presents a proposal to the University to establish a field station for the study of biology at Lake Erie. The University approves the project, appropriating \$350 for the construction of a second floor on the State Fish Hatchery in Sandusky.

1896 Professor David S. Kellicott is named the first director of the Lake Laboratory and

operates the Laboratory for special studies during the summer.

- 1899 Professor Herbert C. Osborn is named the second director upon the death of Professor Kellicott.
- 1900 The first courses are offered at the Lake Laboratory.
- 1903 The University obtains a 50-year lease for property on Sandusky Bay at Cedar Point, erects a frame building at a cost of \$3,376, and moves the Lake Laboratory to this new site.
- 1918 The Lake Laboratory moves to the upper story of the State Fish Hatchery at Put-in-Bay on South Bass Island; an adjacent lot is purchased by the University.
- 1925 Mr. Julius F. Stone, Chairman of the Board of Trustees, acquires Gibraltar Island in Put-in-Bay Harbor from the Jay Cooke family and presents it to the University. In accepting the gift, the University changes the name to Franz Theodore Stone Laboratory in honor of Mr. Stone's father.
- 1926 The Laboratory is moved to Gibraltar Island and utilizes the two buildings on the island, Cooke Castle (1865) and Barney Cottage (1907). A construction program, which includes a new laboratory building, dining hall and two housing units, Stone Cottage and Gibraltar House, is initiated in 1926 and completed in 1930.
- 1928 "Periodic oscillations in Lake Erie," by Dr. F.H. Kreckler, contribution number 1 of a new series of papers, is published by Stone Laboratory. Contributions 2 through 13 are published from 1929 to 1974.
- 1929 The Franz Theodore Stone Laboratory on Gibraltar Island is formally dedicated.
- 1934 President George W. Rightmire appoints an Advisory Committee to study the Laboratory and plan for future development. The committee recommends expansion of the Laboratory's activities into multi-disciplinary studies, year-round operation, and appointment of a full-time director.
- 1936 Professor Dwight M. DeLong is named the fourth director, the first to be appointed to a full-time position. Professor Thomas H. Langlois serves as assistant director from 1936 to 1938.
- 1938 Professor Thomas H. Langlois is named the fifth director upon the resignation of Professor DeLong.

The Franz Theodore Stone Laboratory is established as a regular department of the University, assigned to the President's Division. Full-time faculty positions for a fisheries biologist and a limnologist are approved; Drs. Charles F. Walker and David C. Chandler are appointed.

Peach Point Cottage is purchased by Mr. Julius F. Stone and donated to the Laboratory for use as faculty housing.

1939 Professor Milton B. Trautman joins the staff of the Laboratory.

1940 The Federal Fish Hatchery on Peach Point, South Bass Island, is transferred to the University. This facility includes the main hatchery building (converted to the principal research building of the Laboratory), superintendent's residence (converted to the Laboratory Office and Library) and a shop building.

Mr. Julius F. Stone donates a two-acre woodlot on Peach Point to the Laboratory.

1947 The Laboratory purchases a 37-foot steel research boat, the *Bio-Lab*.

1951 The Laboratory name is changed to the Franz Theodore Stone Institute of Hydrobiology.

1953 The Laboratory purchases a 30-foot passenger boat, the *Gibraltar II*.

1955 The Laboratory is renamed Franz Theodore Stone Laboratory, and becomes a program of the Natural Resources Institute, College of Agriculture and Home Economics. The year-round research program is suspended.

Professor Loren S. Putnam is named the sixth director upon the resignation of Professor Langlois.

1964 The bequest of Professor Mary D. Rogick permits the purchase of two faculty housing units, Sycamore Cottage and Rogick Cottage near Peach Point.

1966 The administration of Stone Laboratory is transferred to the new College of Biological Sciences.

The Jay Cooke Home (Cooke Castle) is designated a Registered National Historic Landmark by the U.S. Department of the Interior, National Park Service.

1967 The Hydrospheric Sciences Committee recommend establishment of a research center at Lake Erie.

1970 The Coast Guard Lighthouse on the south point of South Bass Island is transferred to the University and converted to a radiobiology laboratory and faculty housing unit.

1971 The Center for Lake Erie Area Research (CLEAR) is established with facilities at Stone Laboratory.

1973 The summer instructional program is suspended and no regular courses are

offered. Students attend in independent and group study courses.

The President's Task Force on Stone Laboratory recommends continuation of research and instruction at the Lake Erie field station.

Professor Charles E. Herdendorf is named the seventh director upon the retirement of Professor Putnam.

A lease agreement is negotiated with the U.S. Environmental Protection Agency for the 63-foot research vessel *Hydra* to be docked at Stone Laboratory.

1974 The summer instructional program and year-round research staff are reinstated at Stone Laboratory.

1976 Dr. Jeffrey M. Reutter is named Assistant Director of CLEAR.

1977 A Sea Grant education project is funded with Dr. Victor Mayer as the principal investigator and Dr. Rosanne Fortner comes to Ohio State to work on the project.

1978 Dr. Jeffrey M. Reutter coordinates development of a new Sea Grant proposal with three projects. All three are funded and the Ohio Sea Grant Program is established with one research project to market underutilized fish species, one education project working partially at the Laboratory, and one extension agent, Fred Snyder, housed within the offices of the Ohio Division of Wildlife in Sandusky.

1980 The 50th Anniversary of Stone Laboratory on Gibraltar Island is celebrated.

1981 The first meeting of the Friends of Stone Laboratory, a group of alumni and friends of the Laboratory concerned with contributing to and preserving its high academic quality, takes place.

1982 The Ohio State University Board of Trustees holds a summer meeting at Stone Laboratory.

Ohio Sea Grant sponsors the first Congressional Day on Lake Erie.

The Ohio General Assembly provides \$950,000 for capital improvements at Stone Laboratory.

Dr. Jeffrey M. Reutter is named Associate Director.

1983 A Scholarship Endowment, the Lab's first endowment, is established with gifts from the Friends of Stone Laboratory, Dr. Herdendorf, and the College of Biological Sciences.

Ohio Sea Grant sponsors the second Congressional Day on Lake Erie.

1984 Sustaining and Visiting Professorship Endowments are established by the Friends

of Stone Laboratory.

The Lake Erie Laboratory Visitors Center is created, with initial displays built by OSU Environmental Interpretation students led by Drs. Gary Mullins and Rosanne Fortner.

Ohio Sea Grant expands Congressional Day to include the State Legislature as Ohio Sea Grant's State Legislature/Congressional Day on Lake Erie.

The first course for teachers (NR/EDST 614, Marine and Aquatic Education) is offered by Drs. Rosanne Fortner and Victor Mayer.

Dr. Jeffrey M. Reutter is named Acting Director from December 84 - April 86 while Dr. Herdendorf is on sabbatical.

1985 Construction is initiated for the new Residence Hall, wastewater treatment plant, and renovations to the existing Stone Laboratory building and Dining Hall.

Research Vessel *Hydra* returns to operation after two years, with line item support from the Ohio Legislature.

Students from Miami University, Oxford, Ohio are allowed to register for Stone Lab courses by enrolling at Miami, serving as a prototype for all state universities.

1986 New residence hall, Harborview, open for student occupancy.

Governor Richard Celeste, at the request of Ohio Sea Grant, declares 1986 "The Year of the Lake" for Lake Erie.

1987 John R. Hageman is named Laboratory Manager.

Two-and-a-half week courses are offered for the first time.

Dr. Charles E. Herdendorf retires as Director on 31 October and Dr. Reutter is named Interim Director on 1 November.

Ohio Sea Grant conducts its fifth State Legislature/Congressional Day on Lake Erie ending with a picnic dinner at Stone Laboratory.

1988 Dr. Jeffrey M. Reutter is named the Laboratory's eighth Director on 19 September.

The program begins utilizing the week before the beginning of first term for a one-week early offering for teachers, thereby expanding the original 10-week summer program to eleven weeks.

The Ohio State University is designated a “Sea Grant College” by the U.S. Secretary of Commerce.

Dr. David Garton’s limnology class from Ohio State University records the first official record of a zebra mussel in Lake Erie on 15 October while on a field trip at Stone Laboratory.

Ohio Sea Grant funds Dr. Garton on the first research project on zebra mussels on 15 November.

1989 Ohio Sea Grant conducts its sixth State Legislature/Congressional Day on Lake Erie ending with a picnic dinner at Stone Laboratory.

1990 Stone Laboratory is transferred from the College of Biological Sciences to the Office of Academic Affairs.

The first introductory level course (Introductory Aquatic Biology, Zoology 125) is offered at Stone Laboratory with Dr. Reutter as the instructor. Superior high school students can enroll and receive college credit while still in high school. Demand is so great that the course is offered twice and many students are turned away.

Enrollment reaches 119, surpassing 100 for the first time.

Half of the Laboratory’s budget is provided by the Office of Academic Affairs thereby providing increased flexibility for the Director in developing an innovative new curriculum. The other half is still provided by the departments offering courses.

1991 Ohio Sea Grant conducts its seventh State Legislature/Congressional Day on Lake Erie ending with a picnic dinner at Stone Laboratory.

Stone Laboratory’s entire budget comes from the Office of Academic Affairs.

A second introductory course, Introductory Insect Biology (Entomology 126), is offered for the first time and demand for Introductory Aquatic Biology is so great that the course is offered five times.

Enrollment reaches 169, surpassing 150 for the first time.

Dr. Michael Ross, University of Massachusetts, is named the first “Outstanding Visiting Professor.”

1992 New introductory courses in ornithology (Zoology 126) and oceanography (Geology 107) are offered for the first time. Introductory Aquatic Biology is offered five times.

Enrollment reaches 209, surpassing 200 for the first time.

Dr. Ken Krieger, Heidelberg College, is named the “Outstanding Visiting Professor.”

The Great Lakes Aquatic Ecosystem Research Consortium (GLAERC) composed of top aquatic scientists from Bowling Green State University, Case Western Reserve University, Heidelberg College, John Carroll University, Kent State University, Miami University, Mount Union College, Ohio State University, and the University of Toledo, is formed with Dr. Reutter as Director and Stone Laboratory as the shared research facility. In subsequent years Cleveland State University, Ohio University, and Wright State University joined the consortium.

1993 Enrollment reaches 234.

Ohio Sea Grant conducts its eighth State Legislature/Congressional Day on Lake Erie ending with a picnic dinner at Stone Laboratory.

Dr. David Moore, Utica College of Syracuse University is named the “Outstanding Visiting Professor.”

Erosion protection work is completed as is the new reverse osmosis water treatment system for the Laboratory’s water supply.

1994 Franz and Kate Stone visit the Laboratory with their grandson Franz T. Stone IV.

Dr. C. Lavett Smith, American Museum of Natural History, New York, is named the “Outstanding Visiting Professor.”

Reporting lines for the Laboratory change from the Office of Academic Affairs to the School of Natural Resources within the College of Food, Agricultural and Environmental Sciences.

1995 Ohio Sea Grant conducts its ninth State Legislature/Congressional Day on Lake Erie ending with a picnic dinner at Stone Laboratory which also serves as the official start of the Laboratory’s Centennial Celebration.

The Friends of Stone Laboratory, with assistance from the College of Food, Agricultural and Environmental Sciences, place a new flagpole on the island.

The Stone Laboratory Hall of Fame is created and Franz and Kate Stone are the first to be inducted.

The Oakland Park Conservation Club is inducted into the Hall of Fame.

Former Directors Loren “Puttie” Putnam and Charles E. Herdendorf, and former Associate Directors John L. Crites and Ronald L. Stuckey are given distinguished service awards.

The Geologic Setting of Lake Erie (Geology 583), a one-week course for teachers, is offered for the first time.

The workshop program sets records with over 80 groups and over 3,000 participants.

Bobby D. Moser, Vice President and Dean of the College of Food, Agricultural and Environmental Sciences, receives the first Superior Leadership Award.

Dr. Carmen Trisler, Wittenberg University, receives the "Outstanding Visiting Professor Award."

Stone Laboratory receives the first "Lake Erie Award" from the Ohio Lake Erie Commission in recognition of the Laboratory's many contributions to education, research and the improvement of the Lake Erie ecosystem.

1996 The FOSL begin annually awarding scholarships to outstanding science projects at the Ohio Academy of Science's State Science Day.

Waldock Gazebo and Lakeview Pavilion are built on Gibraltar Island using donations from Jack Waldock, longtime supporter of Ohio Sea Grant and Chair of the Northwest Ohio Sea Grant Advisory Committee.

The Centennial Celebration concludes with a program and gala during which Jack Waldock and Bobby Moser place time capsules into the base of Waldock Gazebo.

We receive resolutions and proclamations honoring the Laboratory from the Governor, Congress, the Ohio House of Representatives, the Ohio Senate, and the Ohio Board of Regents.

The workshop program sets new records for number of groups (100) and participants.

Former Directors Loren "Puttie" Putnam and Charles E. Herdendorf are inducted into the Hall of Fame.

Former Associate Director Walter E. Carey, and retiring Maintenance Supervisor, Timothy P. Luecke, receive Distinguished Service Awards.

Dr. Carmen Trisler, Wittenberg University, receives the "Outstanding Visiting Professor Award" for the second time.

1997 Ohio Sea Grant celebrates its 20th anniversary with its 10th State Legislature/Congressional Day on Lake Erie. It is also the 15-year anniversary of

Ohio Sea Grant's first Congressional Day on Lake Erie in 1982.

New exterior lighting is placed on Gibraltar Island and new blackboards are placed in all of the classrooms.

The Gibraltar II is permanently taken out of service due to hull problems caused by age.

Introduction to Local Flora (Plant Biology 294) is offered for the first time.

The Ohio State University Young Scholars Program sends up an entire class of students for an offering of Introductory Aquatic Biology.

The workshop program sets records for the number of groups and participants for the third year in a row.

The Laboratory sets a record for the number of graduate students—71.

A remotely operated vehicle (ROV) is purchased for the Laboratory by the Office of Research and Ohio Sea Grant.

Dr. David W. Garton is hired as the Associate Director.

1998 Construction is initiated and completed to replace the roof, remove the dome, and repair the windows on Jay Cooke's Castle.

The Ohio State University Minority Research Initiative sends a class for Introductory Aquatic Biology.

The Library is moved from the main office in Bayview on South Bass Island to the third floor of Stone Laboratory on Gibraltar Island, by volunteers from the Friends of Stone Laboratory.

The Laboratory and the Friends of Stone Laboratory sets records for the number of scholarships awarded (43) and the total value of the scholarships (\$13,632).

Melissa Haltuch is hired as the 1st ROV operator.

The workshop, tour, and conference program sets records for the number of groups (151) and the number of participants (5,246) surpassing the previous records by 40 groups and over 1200 participants.

The FOSL kick-off the State's Coastweeks Program with tours and programs on Gibraltar Island and the Put-in-Bay Lighthouse. Approximately 1000 people participate.

The Cooke family holds their first reunion on Gibraltar Island with approximately 100 guests. Jim and Ann Harding are the organizers.

Former professor and Associate Director, John L. Crites, donates prints and watercolors of Laboratory buildings, which are numbered and used as a fundraiser to support research opportunities for students.

Dr. Ann M. Stoeckmann, Pennsylvania State University, is selected as the Outstanding Visiting Professor.

1999 The Laboratory and the Friends of Stone Laboratory set records for the number of scholarships awarded (49) and the total value of the scholarships (\$14,860).

Matt Thomas is hired as the first Assistant Laboratory Manager and the University's Diving Safety Officer.

Dr. Rosanne W. Fortner is hired as the Associate Director.

On 2 July, the University Board of Trustees meets at the Laboratory for the first time since 1982.

On 9 July, Ohio Sea Grant and Stone Laboratory host the 11th State Legislature/Congressional Day on Lake Erie.

New carpeting and air conditioning/heat are installed in Lecture Hall.

Ornithology for Teachers is offered for the first time.

Collaboration between Stone Laboratory, Ohio Sea Grant, US EPA, and the EPA Great Lakes National Program Office bring about the offering of a new 1-week course for teachers aboard EPA's 180-ft research vessel, the *Lake Guardian*.

The total value of the 6 endowments of the Friends of Stone Laboratory surpasses \$500,000.

Enrollment in summer courses reaches 222—the second highest total in history. A total of 125 OSU students enroll—the highest number in history.

During the 1990's, students from 40 Ohio colleges, 31 out-of-state colleges, and 260 high schools take courses at Stone Laboratory.

The workshop, tour, and conference program sets records for the number of groups (173) and the number of participants (5,566).

Dr. David L. Moore, Utica College of Syracuse University, is selected as the "Outstanding Visiting Professor."

2000 The Laboratory and the Friends of Stone Laboratory set a record for the number of scholarships awarded—57.

On 22 July, Ohio Sea Grant and Stone Laboratory host the 12th State Legislature/Congressional Day on Lake Erie.

The workshop, tour, and conference program sets records for the number of groups (174) and the number of participants (5,660).

Dr. R. Chris Stanton is hired as the Assistant to the Director, a newly created, post-doctoral position.

A plan for the renovation of the Castle is developed and approved. The porches are replaced, drainage is repaired, and masonry joints are repointed completing the exterior renovation.

With the assistance of the Friends of Stone Laboratory, the Ohio Division of Wildlife, and the Office of Physical Facilities, we purchase and renovate a research vessel from the Division of Wildlife—the 42-foot, *Explorer*, which is renamed the *Gibraltar III* when the repairs are completed and the vessel is documented.

The Ohio Sea Grant College Program receives the 2000 Lake Erie Award from the Lake Erie Commission.

The first comprehensive strategic plan for the entire program, Ohio Sea Grant, Stone Laboratory, CLEAR (Center for Lake Erie Area Research), and GLAERC (Great Lakes Aquatic Ecosystem Research Consortium) is completed and built around the strategic plan for the National Sea Grant College Program and the Academic Plan for The Ohio State University.

The entire program goes through an extensive review by a Program Assessment Team from the National Sea Grant College Program and receives the highest possible rating: Excellent.

A monitoring instrument is deployed off the north side of Gibraltar Island, beginning the Lake Erie Monitoring Network (LEMNet).

With the assistance of UNITS, Physical Facilities, Housing and Food Service, the University Office of Research, and the FOSL, Stone Laboratory gets a T1 line for telephone and Internet communication. Telephones and Internet connections in all rooms allow 5-digit dialing to main campus and research data transmission worldwide.

The Office of Research at Ohio State donates \$50,000 to purchase equipment including: 14 new computers, a laptop computer and LCD projector, an electro-shocker, two hand-held GPS units, a GPS unit for the *Gibraltar III*, a water quality data recorder for our monitoring program, two new trawls, and more.

Housing and Food Service donates chairs for the Lecture Hall. The FOSL clean and transport them to the Laboratory.

Physical Facilities donates 39 new trees and shrubs. The FOSL plant them on

Gibraltar Island.

The Council of Great Lakes Research Managers of the International Joint Commission meets at Stone Laboratory for the first time.

Dr. Michael Hoggarth, Otterbein College, is named "Outstanding Visiting Professor."

2001 In May the main office on campus moves to newly renovated space in The Ohio State University Research Center. The cost of renovation, \$585,000 was provided by Ohio State University.

In June 2001 Ohio Sea Grant and Stone Laboratory host the first Lake Erie Leadership Institute for Newly Elected Officials. Ten offices are represented.

In July 2001, Ohio Sea Grant and Stone Laboratory host a special Put-in-Bay Legislative Day developed by State Representative Chris Redfern with the village of Put-in-Bay and a number of other sponsors. Over 45 State Representatives and Senators attended.

While Stone Laboratory is the oldest freshwater biological field station in the country and has served as Ohio's Lake Erie laboratory since 1895, until this year, it had never received federal funding to improve the Laboratory for the benefit of thousands of students and research scientists each year. Through the hard work and leadership of Senator Mike DeWine, Stone Laboratory receives \$350,000 for equipment and facilities.

Friends of Stone Laboratory celebrate their 20th anniversary. The Friends are composed of former students and faculty and just "friends of Lake Erie" who banded together in 1981 to upgrade the Laboratory's facilities and equipment, raise money for scholarships, bring in more outstanding faculty members, make it easier for non-OSU students to attend the Laboratory, and, in general, improve the quality of the research, education, and outreach programs conducted at Stone Laboratory. Annually, the group of about 500 members donates thousands of dollars and person-hours to the Laboratory and Lake Erie. They have established 6 endowments and 4 general fund-raising accounts valued at more than \$600,000. In the last 10 years they have awarded 400 scholarships valued at approximately \$115,000 to students at colleges and universities all over the country, to help them attend Stone Laboratory. In 1996 the FOSL began awarding scholarships for outstanding science projects at the Ohio Academy of Science's State Science Day. To date, they have honored and awarded scholarships to 34 high school students from all over Ohio and they have purchased over \$100,000 of equipment to support research and courses at Stone Laboratory.

The Stone Laboratory Brochure and Flier took first place in the brochures category during the publications competition at Sea Grant Week 2001.

Dr. Michael A. Hoggarth, Otterbein College, and Dr. David L. Moore, Utica College of Syracuse University, share the "Outstanding Visiting Professor Award."

2002 The FOSL award 49 scholarships (32 to college students and 17 to high school students) with a total dollar value of \$17, 736, a new record.

A new record is set with 5,755 participants in the workshop program. In 2002 we also set a record for the number of student participants in the workshop program—3,755. While the majority of these students were in the influential middle school years (2,048), we also set a record for high school participants in 2002—975.

On 19 July 2002, Ohio Sea Grant and Stone Laboratory host their 14th State Legislature/Congressional Day on Lake Erie. The all-day event attracts elected officials and decision makers from over 25 offices. This is also the 20th anniversary of our first program in 1982 and the 25th anniversary of the founding of the Ohio Sea Grant College Program.

The University approves plans to bring village sewer and water from Put-in-Bay to the Research Building and then across to Gibraltar--\$2.7 million.

Dr. Michael A. Hoggarth, Otterbein College; Dr. C. Lavett Smith, American Museum of Natural History; and Dr. Carmen E. Trisler, Wittenberg University, share the “Outstanding Visiting Professor Award.”

The Friends of Stone Laboratory partner with the Young Buckeyes Club and the College of Biological Sciences Alumni Society to host the first “Buckeye Island Hop” at Stone Laboratory. Groups work at Stone Lab, the South Bass Island State Park, and the Island Historical Society.

The John L. Crites Research Endowment at Stone Laboratory is created with gifts from the sale of John Crites numbered prints of Stone Laboratory, the Research Building, and Cooke Castle.

The Franz T. Stone Research Endowment at Stone Laboratory is created with proceeds from the donation of two farms in the will of Kate Stone.

2003 The FOSL award 41 scholarships (25 to college students and 16 to high school students) with a total dollar value of \$17,264.

We set a new record with 177 groups (5,709 participants) in the workshop program.

In August, Dr. Reutter receives his first NOAA Ship Time Grant to support use of Stone Lab Research Vessels.

On 14 August 2003, Ohio Sea Grant and Stone Lab co-host the second Put-in-Bay Legislative Day with Representative Chris Redfern and Senator Randy Gardner. Over 40 elected officials attend.

Dr. R. Chris Stanton, Baldwin-Wallace College, and Dr. Carmen E. Trisler, Wittenberg University, share the “Outstanding Visiting Professor Award.”

The Friends of Stone Laboratory partner with the Young Buckeyes Club and the College of Biological Sciences Alumni Society to host the second “Buckeye Island Hop” at Stone Laboratory. Groups work at Stone Lab, the South Bass Island State Park, and the Island Historical Society.

The John H. Dunlap, Jr. Fund for Education, Outreach and Development at Stone Laboratory is created with gifts from Shirley and Cliff Bowser and the Kellogg Foundation.

The *Erie Monitor*, a 25-foot research boat, enters service at Stone Laboratory with assistance from Senator Mike DeWine.

With support from USEPA to Drs. Fortner and Reutter, the OSU UNITS program, and Ohio Sea Grant, equipment was purchased and the Laboratory conference room was renovated to allow distance-learning broadcasts. The summer Guest Lecture series and Research Briefs were broadcast to main campus and a fish dissection laboratory exercise was broadcast to Westerville North High School.

In July, Matt Thomas placed Stone Laboratory’s first recording probe 7 miles north of Huron, Ohio, 0.3 m above the bottom, in the Sandusky sub-basin of the Central Basin of Lake Erie to study the Dead Zone.

On 1 September, the University Treasurer’s Office placed the fair market value of two farms in Pickaway County (approximately \$390,000) into the Franz Stone Research Endowment.

2004 The FOSL award 36 scholarships (23 to college students and 13 to high school students) with a total dollar value of \$14,254.

A large, educational kiosk for the general public is constructed along the sidewalk between Bayview and the Research Building on South Bass Island.

On 16 July 2004, Ohio Sea Grant and Stone Laboratory host their 15th State Legislature/Congressional Day on Lake Erie. The all-day event attracts elected officials and decision makers from over 25 offices.

Dr. Scott Shalaway, author and syndicated nature columnist, and Kristin M. Stanford, Northern Illinois University, share the “Outstanding Visiting Professor Award.”

Stone Laboratory, in collaboration with Ohio Sea Grant and the University of Windsor, places a string of water monitoring SONDES off Avon Point in Lake Erie's

Central Basin to monitor the re-expanding anoxic "Dead Zone."

The Kelly Prochazka Memorial Scholarship Endowment is established with gifts from the Prochazka family and the FOSL.

The Spark Baumler Memorial Scholarship Endowment is established with gifts from the family and the FOSL.

The Ronald L. and Darwin Stuckey Botany Teaching Endowment is created with a deferred gift from Darwin Stuckey.

The A. Jackson and Sally Koepp Smith Scholarship Endowment is established by Jackson and Sally Smith.

Ohio Sea Grant and Stone Laboratory host the Great Lakes Sea Grant Network Meeting on 12-15 September 2004.

The FOSL raise \$25,000 in response to a challenge from Shirley and Cliff Bowser, who match it with \$50,000 from the Kellogg Foundation and add it to the Dunlap Fund.

FOSL hosts the 3rd Annual Buckeye Island Hop.

2005 The FOSL award 42 scholarships (28 to college students and 14 to high school students) with a total dollar value of \$17,979.

Stone Lab launches an endowment-funded Research Experience for Undergraduates program, supporting 14 students in its first year. The value of REU awards is \$46,192.

The Ohio Chapter of the American Fisheries Society creates a directly funded scholarship, the Ohio Aquatic Sciences Scholarship, which gives partial support to three students in its first year.

Thanks to the efforts of FOSL, donations to Stone Lab endowments surpass \$1,000,000.

Stone Lab's beloved "Chef Art" Boone passes away on 28 May. A tree is planted on Gibraltar Island in his honor.

The computer lab is equipped with new computers before the start of summer classes.

Drs. Michael A. Hoggarth, Otterbein College, Dr. Richard L. Londraville, University of Akron, and Dr. R. Chris Stanton, Baldwin-Wallace College, share the "Outstanding Visiting Professor Award."

In February 2005 we hosted the seventh Sea Grant/Stone Laboratory Winter Program in Columbus.

Representative Chris Redfern creates the Fish Lake Erie License Plate. Proceeds from the sale of the plate go to Stone Lab and Ohio Sea Grant.

On 10 and 11 August 2005, Ohio Sea Grant and Stone Lab co-host the third Put-in-Bay Legislative Day with Representative Chris Redfern and Senator Randy Gardner. Over 40 elected officials attend.

On 22-23 August 2005, a Program Assessment Team (PAT), composed of nine national experts from the National Sea Grant College Program, visit to review the Ohio Sea Grant College Program. The PAT was very impressed with Ohio Sea Grant, Stone Laboratory (a component of Ohio Sea Grant), and all of our education, outreach, and research programs. As a result of this review, Ohio Sea Grant received the highest possible rating and ranking by the National Sea Grant College Program and is considered one of the top Sea Grant programs in the country.

On 10 September 2005 the FOSL hosted the Eighth Annual Stone Laboratory Open House with Ohio Sea Grant and the Lake Erie Commission with over 900 in attendance.

On 12-14 September 2005 we hosted an Aquatic Invasive Species Database Summit for NOAA at Stone Laboratory with the leaders of 10 national databases in attendance.

On 20-23 September 2005 we hosted the Biennial Meeting of the National Association of Marine Laboratories at Stone Laboratory.

On 1-2 October 2005 we hosted the 4th Annual Buckeye Island Hop at Stone Laboratory.

2006 The Great Lakes Regional Research Information Network (GLRRIN) kicks off in June with 5 years of support from the National Sea Grant College Program. Dr. Reutter is elected to be one of 4 co-chairs for the network.

On 14 July 2006, Ohio Sea Grant and Stone Laboratory host their 16th State Legislature/Congressional Day on Lake Erie. The all-day event attracts elected officials and decision makers from over 25 offices.

Dr. Rosanne Fortner and the Friends of Stone Lab create the Fortner Teacher Enhancement Scholarship Fund on 22 September 2006.

Melinda Huntley is hired as the Tourism Extension Director for Ohio Sea Grant in

November.

Representative Chris Redfern spearheads an effort with help from Senator Bob Latta and Representative Randy Gardner to appropriate \$500,000 for renovation of Stone Lab facilities.

The Friends of Stone Lab awarded 29 scholarships to college students, 11 to high school students, and 7 to students at State Science Day with a total value of \$16,887.

In its third year, Stone Lab's REU program awards 9 REUs with a total value of \$26,788.

The FOSL host the 5th Annual Buckeye Island Hop at Stone Laboratory.

2007 Dr. Reutter hosts the first annual Donor Dinner at Stone Lab in August.

Water and sewer lines are added from the Village of Put-in-Bay to Stone Lab and Gibraltar Island.

The Friends of Stone Lab awarded 25 scholarships to college students, 12 to high school students, and 9 at State Science Day with a total value of \$20,755.

Stone Lab's REU program awards 11 REUs with a total value of \$37,271.

On 1 and 2 August 2007, we co-hosted the 4th Put-in-Bay Legislative Day. Over 40 elected officials attended.

We hosted the 6th Annual Buckeye Island Hop at Stone Laboratory.

2008 Stone Lab hosts the Institutes for Environment and Natural Resources Journalism for 2-day workshop in April.

Tory Gabriel is hired as Ohio Sea Grant's Fish Extension Coordinator.

Stone Lab stops using full-time Resident Advisors in the Dining Hall and dormitories and gives jobs to Stone Lab students.

On 18 July 2008, Ohio Sea Grant and Stone Laboratory host their 17th State Legislature/Congressional Day on Lake Erie.

Ohio Sea Grant and Stone Lab host the second annual Donor Dinner in August.

Ohio Sea Grant hosts the NOAA Science Advisory Board at Stone Lab and Sandusky.

A new management model is created for Stone Lab effective 1 April 2008. The director of the Lab continues to report to the Vice Presidents for Research and Agriculture. Facilities Operation and Development (FOD) and Student Life pull out of the operation. All personnel report directly to the director and the director is responsible for all aspects of the operation.

A new partnership is developed with National Park Service (NPS). As part of the NPS partnership, we used a NPS bus and driver and developed a new tour for visitors four days a week that includes stops at Perry's Monument (part of NPS) and then our fish hatchery and lighthouse. We called this tour "CSI: Lake Erie" for "Culture and Science Investigations, Lake Erie." NPS also hired two of our students on internships, but as regular NPS employees, to work halftime leading a new Lake Erie ecology program at the Monument for visitors.

Representative Redfern and Senator Gardner appropriate \$250,000 for renovation of facilities at Stone Lab.

Ohio Sea Grant and Stone Lab hosted the First Annual Coastal County Commissioner, Mayor, and Decision Makers Days on Lake Erie on 1 and 8 August.

We hosted the 7th Annual Buckeye Island Hop at Stone Laboratory.

Colleen Wellington is hired as our Clean Marina Coordinator.

The Friends of Stone Lab awarded 11 scholarships to college students, 11 to high school students, and 10 at State Science Day with a total value of \$14,850.

Stone Lab's REU program awards 9 REUs with a total value of \$27,239. Former FOD and Student Life employees are given new positions with Stone Lab and the Office of Research.

- 2009 The Lake Erie Marine Trades Association creates the first annual Lake Erie Day at the Cleveland Boat Show with proceeds going to Ohio Sea Grant and Stone Lab in January.

In December 2008 Dr. Reutter hosted a 7-site videoconference around Lake Erie with 75 scientists. They agreed to collaborate under our leadership in developing seven research proposals. (All seven were funded [\$750,000] by USEPA and the Lake Erie Protection Fund in 2009.) A total of 14 agencies and universities are participating.

The Foltz Family Endowment is created on 6 February 2009.

Stone Lab hosts the Institutes for Environment and Natural Resources Journalism for 2-day workshop.

Floating docks at Research Building are preplaced and used docks are added to Gibraltar.

WIFI is installed in all buildings.

Two internships for Stone Lab students are created at Perry's Monument.

With the new management structure in place, the previous \$350,000 annual operating deficit reported by FOD and Student Life is eliminated in the first year.

The Friends of Stone Lab awarded 17 scholarships to college students, 24 to high school students, and 10 at State Science Day with a total value of \$23,080.

Stone Lab's REU program awards 11 REUs with a total value of \$31,556.

Ohio Sea Grant's first Extension Specialist, Fred Snyder, retires on 31 August 2009 and is replaced by Tory Gabriel.

A Strategic Plan for the period 2010-14 is completed and approved by the National Sea Grant College Program.

Stone Lab surpluses two, 15-passenger vans, two new mini-vans are purchased for extension agents, and one used mini-van from Sea Grant Extension goes to Stone Lab.

Ohio Sea Grant completes work with Channel 3, WKYC TV, in Cleveland on 4-part documentary on Lake Erie.

On 5-7 August 2009, we co-hosted the 5th Put-in-Bay Legislative Day with Representative Dennis Murray and Senator Mark Wagoner. Over 40 elected officials attended.

We hosted the 2nd Annual Coastal County Commission, Mayors, and Decision Makers Days on Lake Erie in August 2009.

We hosted Institutes for Environmental and Natural Resources Journalism at Stone Lab in May 2009.

We hosted our third annual donor dinner in August 2009.

We hosted our annual open house on 11-12 September and attracted our largest audience, ever—over 1,000 people to Gibraltar Island, 200+ to the Lighthouse, and over 600 to the Aquatic Visitors Center.

On 2-4 October we hosted our 8th annual Buckeye Island Hop. With over 40 volunteers, it was our most successful event ever.

2010 The Ohio Sea Grant Extension Office at Camp Perry is closed and Tory Gabriel moves into the Oak Harbor Extension Office.

Put-in-Bay State Fish Hatchery is leased from the Ohio Division of Wildlife and converted into an Aquatic Visitors Center.

Lydia Blankenship and the Friends of Stone Lab create the Blankenship Memorial Endowment on 14 May 2010.

A new patio is constructed at Dining Hall entrance.

The entire program went through a thorough review by a Site Visit Team of 6 experts from the National Sea Grant College Program on 25-27 May. The team said they were absolutely “thrilled with the program.”

Three, 15-passenger vans are traded in and 3 new 12-passenger vans are purchased to comply with University liability and safety concerns.

Dr. Jeff Reutter and the Friends of Stone Lab create the Stone Lab Tuition Reduction Fund on 18 June 2010.

The lease of our Port Clinton Lab at 1854 State Road is terminated and we move into a small storage facility resulting in a savings of approximately \$20,000/year.

June 30, 2010 marks the end of the first full fiscal year under the new management structure. The \$350,000 annual operating deficit is gone and the program is operating in the black.

The Friends of Stone Lab awarded 16 scholarships to college students, 29 to high school students, and 10 at State Science Day with a total value of \$19,075.

Stone Lab’s REU program awards 8 REUs with a total value of \$18,926.

New washers and dryers are purchased and collection cabinets for fish and invertebrates are replaced.

On 16 July 2010, Ohio Sea Grant and Stone Laboratory host their 18th State Legislature/Congressional Day on Lake Erie.

We host the 4th Annual Donor Dinner and the 9th Annual Buckeye Island Hop.

2011 FOSL volunteers, Debbie Hawthorne, Mike Heniken, and Charlene Prochazka, complete interior decoration and renovation of the Lighthouse and Sycamore Cottage and begin on Peach Point Cottage.

John Hageman, Laboratory Manager since 1987, and Mark Wilhelm, maintenance associate for 30 years, retire on 31 August 2011.

Colleen Wellington resigns as the Clean Marina Coordinator and is replaced by Sarah Orlando, a former Assistant Lab Manager and REU at Stone Lab.

With help from Representative Dennis Murray and Senator Mark Wagoner, we combined our State Legislature/Congressional Day on Lake Erie with their Put-in-Bay Legislative Day. Our event was held on even numbered years and theirs was held on odd numbered years. The goal was to increase attendance at each, reduce our costs, and prevent burn-out within the ranks of our volunteers. They readily agreed and we all agreed to expand to a 2-day format as they had been using and to have the event on odd numbered years to avoid elections. The first combined event, called Legislative Days on Lake Erie, occurred on 4-5 August 2011.

The fifth annual donor dinner for people who have donated over \$1000 to the program occurred on 13 August 2011.

The fourth annual Coastal County Commissioners, Mayors, and Decision Makers Day on Lake Erie occurred on 18 August 2011.

Eight roofs are replaced at Stone Lab, the exterior of Cooke Castle is painted, the attic of Bayview Office and the Lighthouse are insulated, the chimney of the Research Building is repaired, and new freezers, refrigerators, and ice machines are purchased.

The 14 Annual Stone Laboratory Open House and the annual meeting of the Friends of Stone Lab was on 9-11 September 2011.

Ohio Sea Grant hosted the National Assembly of Sea Grant Extension Program Leaders and Communicators on 19-22 September 2011 at Stone Lab.

The 10th Annual Buckeye Island Hop (IHOP) was on 7-9 October 2011.

The Friends of Stone Lab awarded 20 scholarships to college students, 28 to high school students, and 10 at State Science Day with a total value of \$32,235. This includes 19 scholarships made as a result of a \$10,000 gift from the Lonz Foundation.

Stone Lab's REU program awards 12 REUs with a total value of \$37,164.

A grant from OEPA allows the purchase of an atmospheric mercury monitor at Research Building.

Twelve trees are removed on Gibraltar Island.

Dr. Christopher Winslow is hired as the Assistant Director for Administration and Research in December.

2012 The Rudolph Family Endowment Fund is created on 10 February 2012.

Extension Specialist, Dave Kelch, retires on 31 May 2012 after more than 30 years of service.

The quarter to semester transition is completed and all courses are offered for semester credit.

First floor renovations are completed in the Research Building and Stone Lab and used by students during the summer session, roofs on four buildings are replaced, the Gibraltar dock area is dredged, a drainage trench at the Research Building is repaired, attic windows and AC are replaced at the Lighthouse, and sidewalks are repaired on Gibraltar Island.

Stone Laboratory's greening initiative gets a major boost as solar thermal units are placed on the roof of the Dining Hall (March), 12 KW of solar panels are added to a new pavilion built where the sand filters for sewage treatment had been (June), all toilets and shower heads are replaced with low-flow units, and all out board motors are replaced with 4-cycle engines.

The Friends of Stone Lab awarded 26 scholarships to college students, 32 to high school students, and 12 at State Science Day with a total value of \$39,375. This includes 17 scholarships from a \$10,000 donation from the Lonz Foundation.

Stone Lab's REU program awards 10 REUs with a total value of \$36,823.

Lake Erie Commission meets at Stone Lab 6 June 2012.

Western Lake Erie Basin Partnership meets at Stone Lab 12 June 2012.

We host Institutes for Journalism and Natural Resources Workshop on 16 June 2012.

We host OSU President's Club on 22 & 23 June.

Dr. Kristin Stanford is hired as the full-time Education and Outreach Coordinator and Research Scientist at Stone Lab on 10 July.

Lonz Foundation Board of Trustees visits Stone Lab on 13 July 2012.

The Lakeside Community visits on 3 August 2012.

We host a Science Writers Workshop on 20-21 August 2012.

We host the Ohio Environmental Council, Congressional aids, and Agriculture Leaders Science Cruise on Lake Erie on 22 August 2012.

We host a Charter Captains Workshop at Stone Lab on 23 August 2012.

Sea Grant hosts the 5th Annual Coastal County Commissioners, Mayors, and Decision Makers Day on Lake Erie at Stone Lab 24 August 2012.

We host the 6th Annual Donor Dinner at Stone Lab, 25 August 2012.

Sea Grant hosts NRCS and Agriculture Leaders Nutrient Workshop at Stone Lab, 29-30 August 2012.

We host the 15th Annual Stone Lab Open House and FOSL Annual Meeting, 7-9 September 2012.

Sea Grant hosts an OSU Communicators Workshop, 13-14 September 2012.

Sea Grant hosts a Lake Erie Workshop for TNC Boards of Trustees from 3 states at Stone Lab, 20-21 September 2012.

We host the 11th Annual Buckeye IHOP at Stone Lab, 28-30 September 2012.

Grants from OEPA and the OSU Office of Research allow purchase of equipment to renovate the Water Quality Lab in the Research Building.

Melinda Huntley resigns as our Tourism Extension Director to become the Executive Director of the Ohio Travel Association.

Dr. Justin Chaffin is hired as the first full-time Research Coordinator at Stone Lab and the manager of the Water Quality Laboratory on 2 December.

2013 In 2012 the Ohio Sea Grant College Program including CLEAR and Stone Lab, went through an extensive review by the National Sea Grant College Program, NOAA. The review covered the period 2008-11. The process included preparation and review of annual reports, a 2010 Site Visit to Columbus by a team of national experts, multiple powerpoint summaries, and culminated in 5-external review panels meeting in October 2012 in Washington to review every Sea Grant program in the country (33). Our final ranking placed us between number 2 and 4 in the country!

Renovation of the water quality lab is completed and a grant from OEPA supports a monitoring program, including charter captain assistance, for nutrients and harmful algal blooms.

Sewer lines and sidewalks are replaced for Harborview Dorm.

New WiFi equipment is purchased and a new provider is used to increase speed and band width over 10-fold.

Live video feeds link to our website from the Lighthouse, Cooke Castle, Stone Lab, and the Research Building.

Forty solar panels are added to the roof of Stone Lab.

Exterior renovations of the Research Building and shop are completed.

2014 Bayview Office, Sycamore Cottage, Peach Point Cottage, Stone Cottage, Barney Cottage, and Gibraltar House are completely rewired.

Fondriest Corporation donates a new monitoring buoy. Justin Chaffin receives a grant from Ohio Sea Grant for monitoring equipment on the buoy and it is launched north of Gibraltar Island.

Frank Lichtkoppler, Ohio Sea Grant Extension Program Leader, retires in September and is replaced by Tory Gabriel.

New windows and insulation are added to Bayview Office in November.

A whole-building generator and two fume hoods are added to the Research Building in November.

Ohio Sea Grant and Stone Laboratory receive rave reviews from national experts during a Site Visit by the National Sea Grant College Program in November 2014.

Ohio Sea Grant coordinates the development of 18 multi-university proposals for the Ohio Department of Higher Education (formerly the Ohio Board of Regents). A total of \$2 million is awarded to Ohio Sea Grant for distribution to the projects. The OSU College of Food, Agricultural and Environmental Sciences adds \$1 million for five additional projects.

Ohio Sea Grant and Stone Lab Award Descriptions

F. T. Stone Laboratory's Hall of Fame

Recognizes people and organizations that have had an extraordinary positive impact on Stone Lab.

F. T. Stone Laboratory Superior Leadership Award

Recognizes people and organizations that have provided superior leadership to programs and efforts that have benefitted Stone Lab and/or our mission and Lake Erie.

Stone Laboratory Distinguished Service Award

Recognizes long-term, distinguished service to Stone Lab.

F. T. Stone Laboratory Director's Award

Recognizes people who have been instrumental to the Laboratory's success, but worked behind the scenes—people who have made critically important contributions to the program, but whose efforts may not have been visible to people outside the program.

F. T. Stone Laboratory Partnership Award

Recognizes people and programs that have supported Stone Lab or contributed to our programs and worked as a “partner” with us to create and achieve successful programs and events.

Stone Laboratory Outstanding Professor 2007 – Present; Outstanding Visiting Professor – 1991-2006

This award was originally designed to foster participation of non-OSU professors at the Laboratory and recognize outstanding performance by a non-OSU professor. Beginning in 2007, the focus shifted to recognizing outstanding performance by any professor—OSU or non-OSU.

Friends of Stone Laboratory Lifetime Achievement Award

This award was created by the Friends of Stone Lab to recognize individuals who have had a lifetime of support of the Laboratory and our mission.

Friends of Stone Laboratory Board of Director's Award

This award allows the Board of Directors of FOSL to recognize people for outstanding service and contributions to FOSL and/or Stone Lab.

Ohio Sea Grant Partnership Award

Recognizes people and programs that have supported Ohio Sea Grant or contributed to our programs and worked as a “partner” with us to create and achieve successful programs and events.

Ohio Sea Grant Distinguished Service Award

Recognizes long-term, distinguished service to Ohio Sea Grant.

Ohio Sea Grant Superior Leadership Awards

Recognizes people and organizations that have provided superior leadership to programs and efforts that have benefitted Ohio Sea Grant and/or our mission and Lake Erie.

OHIO SEA GRANT AND STONE LAB AWARD RECIPIENTS

Updated 31 December 2015

F. T. Stone Laboratory's Hall of Fame

- 2009 **Shirley and Cliff Bowser**, presented 13 August "in recognition of your superior efforts to support Stone Laboratory through your words, actions, and gifts. The goodwill you have generated and the endowments you have created and fostered have improved the quality of the Laboratory's education, outreach, research and development programs. Your efforts will benefit students, scientists and all Lake Erie users in perpetuity. We all owe you a deep debt of gratitude."
- 2007 **Karen A. Jennings**, presented 8 September "in recognition of your superior efforts to create and lead the Friends of Stone Laboratory. As FOSL celebrates its 25th Anniversary we recognize the pivotal role you have played. FOSL would not exist were it not for your talents and dedication. All students and faculty for the past 25 years, and all future students and faculty, owe you a deep debt of gratitude."
- 1996 **Loren A. "Puttie" Putnam**, presented 24 August for "a lifetime of superior leadership and service to the Laboratory as its director (1955-1973), teacher, research, and mentor for hundreds of students."
- 1996 **Charles E. Herdendorf**, presented 24 August for "a lifetime of superior leadership and service to the Laboratory as its director (1973-1987), teacher, researcher, and mentor for hundreds of students."
- 1995 **Franz and Kate Stone**, presented 23 June, "in recognition of their generous contributions to support the programs and students at the Franz Theodore Stone Laboratory."
- 1995 **Oakland Park Conservation Club**, presented 23 June for "40 years of contributions to student scholarships."

F. T. Stone Laboratory Superior Leadership Award

- 2012 **Office of Research**, The Ohio State University, 25 August, "In recognition of your superior leadership of all research endeavors at The Ohio State University and your unequaled support of the research, education, and outreach programs supported by the Ohio Sea Grant College Program and Stone Lab. Since 1994, you have led the way in supporting major improvements in our reporting procedures, new equipment purchases, facility renovations, and personnel actions, all of which have greatly benefitted the 20,000 people who work at or annually visit the Laboratory and greatly increased the impact of our work. All Lake Erie users and everyone desiring to improve science education owe you a sincere debt of gratitude."

- 2012 **Roger Knight**, presented 20 August, “A Stone Lab alum, in recognition of your superior leadership of fisheries management in Ohio and on Lake Erie and the Great Lakes for over 30 years. You are a role model for future Stone Lab students and future fish managers in Ohio and on Lake Erie. Your gifts as a great communicator and your ability to generate goodwill and create partnerships have made you a driving force behind regional cooperation and many academic/private/public partnerships. All people who love Lake Erie and use its vast resources have benefited from your hard work and leadership.”
- 2007 **Representative Chris Redfern**, presented 28 February, “in recognition of your superior leadership of efforts to support the research, education, and outreach programs of the Ohio Sea Grant College Program and Stone Laboratory. Specifically, your efforts to improve research and education facilities at Stone Laboratory will allow us to continue to protect and enhance the value of Lake Erie, improve science education in Ohio, and protect the health and welfare of all Lake Erie users. All people who love Lake Erie and use its vast resources will benefit from your hard work and leadership.”
- 2006 **William and Charlene Prochazka**, presented 14 July, “in recognition of your superior leadership of efforts to improve the programs at Stone Laboratory and enhance opportunities for students through the creation of the Kelly Prochazka Memorial Scholarship Fund, the Prochazka Friends of Stone Laboratory Endowment, and your superior leadership as President of the Friends of Stone Laboratory. All students, teachers, and scientists at the Laboratory, and all Lake Erie users will benefit from your generosity and leadership.”
- 2004 **Shirley and Cliff Bowser**, presented 22 July, “in recognition of your leadership of efforts to enhance the education, outreach, and development programs at Stone Laboratory. Through the John H. Dunlap, Jr. Fund you have created a meaningful and lasting remembrance of your father and a program that will benefit education, the environment, and the economy, forever. Your wise use of authority and power is an example for us all.”
- 2002 **Richard Lorenz**, presented 14 September, “in recognition of your superior leadership of the FOSL and your commitment to improving the academic programs and facilities at Stone Laboratory, Ohio’s Lake Erie Laboratory since 1895. As a two-term President, you have played an important role in improving Lake Erie and enhancing the quality of science education in Ohio.”
- 2000 **Karen A. Jennings**, presented 26 August, “in recognition of your superior leadership of the FOSL and many projects that enhanced the academic programs and facilities at Stone Laboratory, Ohio’s Lake Erie Laboratory since 1895. In particular, as the first President and the first person to return as President, your leadership and guidance of the development of the FOSL is worthy of special mention. You have played an important role in improving Lake Erie and enhancing the quality of science education in Ohio.”
- 2000 **Michael R. Heniken**, presented 26 August, “in recognition of your superior leadership of the FOSL and many projects that enhanced the academic programs and facilities at Stone Laboratory, Ohio’s Lake Erie Laboratory since 1895. In particular, as a two-term President, your leadership of efforts to improve

communication and recognition for the FOSL, and the Laboratory, through their newsletter and many meetings with elected officials and decision-makers, is worthy of special mention. You have played an important role in improving Lake Erie and enhancing the quality of science education in Ohio."

- 1999 **Robert E. Latta, Senator**, presented 27 February, "in recognition of your leadership of efforts to improve Lake Erie and science education in Ohio. In particular, your efforts to restore Cooke Castle will have a major impact on the research and education programs at Stone Laboratory, Ohio's Lake Erie Laboratory since 1895, and will benefit thousands of students throughout the state."
- 1995 **Bobby D. Moser**, Vice President for Agriculture, Ohio State, presented 23 June for "commitment to and outstanding support of The Ohio State University's Lake Erie Program: F.T. Stone Laboratory, the Ohio Sea Grant College Program, and the Great Lakes Aquatic Ecosystem Research Consortium."

Stone Laboratory Distinguished Service Award

- 2014 **Rosanne W. Fortner**, presented 7 August, "in recognition of 30 years of dedication, commitment, and outstanding service to Stone Laboratory and Ohio Sea Grant developing research projects and teaching courses for teachers. You are a shining example of what a faculty member should be. You make science exciting and fun and all of our students have benefitted from your presence on the island. You have inspired many students and teachers and improved science education in Ohio. We all owe you a sincere debt of gratitude."
- 2014 **Michael A. Hoggarth**, presented 24 July, "in recognition of your dedication, commitment, and outstanding service to Stone Laboratory as the instructor of Field Zoology for 20 years. You are the creator of the "Mad Collector Award" and the person who has one our "Outstanding Professor Award" more than any other faculty member. You are a shining example of what a faculty member should be. You make science exciting and fun and all of our students have benefitted from your presence on the island. We all owe you a sincere debt of gratitude."
- 2012 **Allen J. Duff**, presented 8 September, "in recognition of your dedication commitment, and outstanding service to Stone Laboratory as our primary ship captain and facilities manager. From assisting on thousands of field trips and research projects and allowing numerous classes to use your property for field trips to keeping our power on during thunderstorms, your efforts have helped thousands of students. We all owe you a sincere debt of gratitude."
- 2011 **John R. Hageman**, presented 21 August, "in recognition of your dedication and outstanding leadership and service to Stone Laboratory as our Laboratory Manager from 1987-2011. You have improved our programs, helped thousands of students and teachers, improved the Lake Erie ecosystem, and benefitted millions of anglers, boaters, and Lake Erie users. You have endeared yourself to everyone associated with Stone Lab, and all Lake Erie users owe you a sincere debt of gratitude."
- 2004 **John M. Condit**, presented 11 September, "in recognition of your outstanding service to Stone Laboratory as a professor and student covering 45 years and six decades, during which you taught four courses. As one of the founding members of the Friends of Stone Laboratory and one of the leaders in our fund raising

- campaigns, you were instrumental in the development of endowments that now provide invaluable support to the Laboratory and scholarships to our students.”
- 2004 **C. Lavett Smith**, presented 16 July, “in recognition of your outstanding service to Stone Laboratory teaching Fish Ecology and Ichthyology beginning in 1959 and covering 45 years and six decades. Your fisheries students are working all over the world and your courses serve as the benchmark against which all professors at Stone Laboratory are measured.”
- 2001 **Jane L. Forsyth**, presented 9 November, “in recognition of your outstanding service to Stone Laboratory as a guest lecturer for over 30 years. Your annual lectures on “The Geology of Lake Erie” have enlightened over 2000 students of all ages. While your lectures have provided a valuable introduction for young scientists, they also serve as the benchmark against which all lectures at Stone Laboratory are measured.”
- 2000 **Captain John R. Hartsock**, presented 26 August, “in recognition of your outstanding service to the students, faculty and visiting scientists at Stone Laboratory and your efforts to make them safer and to improve the quality of their educational experience. During the 1990s, the growth of the programs at Stone Laboratory, Ohio’s Lake Erie Laboratory on Gibraltar Island, was greatly facilitated by your efforts and your commitment to safety, education and Lake Erie.”
- 2000 **John R. Kleberg**, presented 19 February, “in recognition of your dedication to, superior leadership of, and continued support of numerous projects to enhance the academic programs and improve the facilities and quality of life for students and scientists working at Stone Laboratory, Ohio’s Lake Erie Laboratory since 1895. We believe your leadership of efforts to restore Cooke Castle is worthy of special mention. You have played an important role in improving Lake Erie and enhancing the quality of science education in Ohio.”
- 1996 **Walter E. Carey**, presented 24 August for “his superior teaching, research, and administrative service at Stone Laboratory” while serving as associate director, 1974-87.
- 1996 **Timothy P. Luecke**, presented 24 August for “30 years of dedicated service and commitment to maintaining and improving the facilities and programs at Stone Laboratory, from 1966 to 1996.”
- 1995 **John L. Crites**, presented 26 August for “superior teaching, research, and administrative service at Stone Laboratory covering four decades, 1956-1984.”
- 1995 **Ronald L. Stuckey**, presented 26 August for “superior teaching, research, and administrative service at Stone Laboratory covering four decades, 1966-1991.”
- 1995 **Charles E. Herdendorf**, Stone Laboratory's seventh director (1973-1987), presented 23 June for "superior leadership and guidance of the programs, students, and staff of Stone Laboratory."
- 1995 **Loren S. "Puttie" Putnam**, Stone Laboratory's sixth director (1955 to 1973), presented 23 June for "superior leadership and guidance of the programs, students, and staff of Stone Laboratory."

F. T. Stone Laboratory Director’s Award

- 2012 **Matt Thomas**, presented 8 September, “in recognition of your dedication, commitment, and personal contributions to our programs to improve Lake Erie and

science education in Ohio. In particular, your effort over the past four years to implement and coordinate numerous operational changes and an unprecedented amount of construction has been critically important to our success. We all owe you a sincere debt of gratitude.”

2012 **Kelly Dress**, presented 8 September, “in recognition of your dedication, commitment, and personal contributions to our programs to improve Lake Erie and science education in Ohio. In addition to being highly competent and a person everyone depends on, you set the tone for everyone at the Lab and truly make it a pleasure to work and visit here. You have touched thousands of lives in a very positive way and we all owe you a sincere debt of gratitude.”

2012 **Chris Henderson**, presented 24 January, “in recognition of your leadership of the Stone Lab and Research Building renovation projects. This work on 2 islands and in buildings that are 85-120 years old, required 3 modes of transportation and working around classes, visitors, research projects, and water snakes. Your work will benefit students and scientists and improve science education in Ohio, the management of the Great Lakes, and benefit millions people. You have our deepest gratitude.”

2012 **Chris Redfern**, presented 24 January, “in recognition of your dedication, commitment, and personal contributions to our programs to improve Lake Erie and science education. Your leadership of initiatives within the Ohio Legislature has enabled badly needed renovations to occur at Stone Laboratory, had major impacts on our research, education, and outreach programs, and benefited millions of Ohioans. We all owe you a sincere debt of gratitude.”

2012 **Rick Van Deusen**, presented 24 January, “in recognition of your leadership of projects to replace 8 roofs, repair a 120 year old chimney, and install solar panels and solar thermal at Stone Lab. This work on 2 islands and in buildings that are 85-120 years old, required 3 modes of transportation and working around classes, visitors, research projects, and water snakes. Your work will benefit students and scientists and improve science education in Ohio, the management of the Great Lakes, and benefit millions people. You have our deepest gratitude.”

2011 **Mark J. Wilhelm**, presented 21 August, “in recognition of your dedication, commitment, and personal contributions to our programs to improve Lake Erie and science education in Ohio. Your quiet work for over 30 years has been instrumental to our success and has benefitted thousands of people. We all owe you a sincere debt of gratitude.”

2008 **Lydia R. Bailey**, presented 14 August, “in recognition of your unselfish dedication, commitment, and personal contributions to our programs to improve Lake Erie and science education. Your financial contributions are exemplary and your volunteer efforts to personally help students, faculty, staff, and research scientists have had major impacts on our research, education and outreach programs and have benefited thousands of people throughout Ohio.”

2008 **Charlene Prochazka**, presented 14 August, “in recognition of your unselfish dedication, commitment, and personal contributions to our programs to improve Lake Erie and science education. Your financial contributions are exemplary and your volunteer efforts to personally help students, faculty, staff, and research scientists have had major impacts on our research, education and outreach

- programs and have benefited thousands of people throughout Ohio.”
- 2003 **Joan Mayher**, presented 14 September “in recognition of your unselfish dedication, commitment, and personal contributions to our programs to improve Lake Erie. For almost 20 years, your efforts have had a major positive impact on Ohio Sea Grant’s and Stone Laboratory’s research, education and outreach programs and have benefited thousands of people throughout Ohio.”
- 2002 **Phyllis Crites**, presented 14 September “in recognition of your many years of quiet and selfless dedication to, and support of, John, the FOSL, and the faculty, staff, and students of Stone Laboratory.”
- 1998 **David W. Garton**, presented 29 August “in recognition of your outstanding research and teaching and your dedication and leadership of efforts to enhance the research and education programs and facilities at Stone Laboratory, Ohio’s Lake Erie Laboratory since 1895. Your efforts have played a significant role in improving Lake Erie and enhancing the quality of science education in Ohio.”
- 1998 **Jilda D. Garton**, presented 29 August “in recognition of your unselfish commitment and tremendous impact on efforts to enhance the research and education programs and facilities at Stone Laboratory, Ohio’s Lake Erie Laboratory since 1895. Your efforts have played a significant role in enhancing the quality of science education in Ohio.”
- 1998 **William J. Napier**, presented 29 August “in recognition of your unselfish dedication, commitment, and personal contributions to our programs to improve Lake Erie and science education in Ohio. Your efforts have had a major impact on the research and education programs and facilities at Stone Laboratory, Ohio’s Lake Erie Laboratory since 1895, and have benefited thousands of students throughout Ohio.”
- 1998 **Arleen N. Pineda**, presented 29 August “in recognition of your thoughtfulness and patience with students and faculty, and your dedication and leadership of efforts to enhance educational opportunities at Stone Laboratory, Ohio’s Lake Erie Laboratory since 1895. Your efforts have played a significant role in improving Lake Erie and enhancing the quality of science education in Ohio.”
- 1996 **Mildred Putnam**, presented 24 August for “quiet and selfless dedication to and support of the faculty, staff, and students of Stone Laboratory.”
- 1995 **Jo Ann Damon**, presented 26 August for “dedication, service, and leadership of our efforts to enhance enrollment and assist students and faculty at Stone Laboratory.”
- leadership of the education and research programs at Stone Laboratory.”

F. T. Stone Laboratory Partnership Award

- 1999 **William and Charlene Prochazka**, presented 28 August, “in recognition of your support of science education at Stone Laboratory and your efforts to enhance educational opportunities for students at Elyria High School. Through the Kelly Prochazka Memorial Scholarship you have truly created a meaningful and lasting remembrance of your daughter.”
- 1999 **Jeffrey L. and Heather M. Stewart**, presented 28 August, “in recognition of your support and your efforts to enhance science education and research opportunities at Stone Laboratory. Your efforts carry on a family tradition established by your

- grandfather and your mother, as the names Stewart and Langlois have played a central role in enhancing science education and research at Stone Laboratory for over 60 years.”
- 1999 **W. Park Schafer**, presented 9 July, “in recognition of your leadership of efforts to improve Lake Erie and science education in Ohio. Your commitment for the past 17 years to leading all 6th grade students in Sandusky on overnight science education field trips to Stone Laboratory will have a lasting and dramatic impact.”
- 1999 **James E. Lane and the Walters Foundation**, presented 27 February, “in recognition of your donation of support to allow the purchase of a new van at Stone Laboratory.”
- 1998 **Richard D. Lighthiser**, presented January, “in recognition of your dedication to, superior leadership of, and continued support of numerous projects to enhance the academic programs and improve the facilities and quality of life of students and scientists working at Stone Laboratory, Ohio’s Lake Erie Laboratory since 1895. Your efforts have played an important role in improving Lake Erie and enhancing the quality of science education in Ohio.”
- 1998 **Gerald K. Pullins**, presented January, “in recognition of your dedication to, superior leadership of, and continued support of numerous projects to enhance the academic programs and improve the facilities and quality of life of students and scientists working at Stone Laboratory, Ohio’s Lake Erie Laboratory since 1895. Your efforts have played an important role in improving Lake Erie and enhancing the quality of science education in Ohio.”
- 1998 **Charles E. Smith**, presented January, “in recognition of your dedication to, and superior leadership of, efforts to improve the appearance of Gibraltar Island and enhance the academic programs and quality of life of students and scientists working at Stone Laboratory, Ohio’s Lake Erie Laboratory since 1895.”
- 1996 **Ronald L. Stuckey**, presented 24 August for “numerous contributions to Stone Laboratory and your efforts to permanently endow a faculty position for your course -- Higher Aquatic Plants.”
- 1996 **Jack Waldock**, presented 24 August for “efforts to facilitate private sector involvement with Ohio Sea Grant and Stone Laboratory, your personal contributions to the programs, and your steadfast commitment to success and solving Lake Erie problems.”
- 1996 **Office of Residence & Dining Halls**, presented 24 August for “tireless efforts of their staff to support the academic mission and their steadfast commitment to improve the quality of life for students and faculty.”
- 1996 **Office of Physical Facilities**, presented 24 August for “tireless efforts of their staff to support the academic mission and their steadfast commitment to improve the quality of the facilities of the Laboratory.”
- 1996 **Kay Moats Drake**, presented 24 August for “her generosity in creating “The Kay and Norm Drake Scholarship Fund” for students attending Stone Laboratory.”
- 1995 **Representative Darrell W. Opfer**, presented 26 August for “strong support of the programs of Stone Laboratory and Ohio Sea Grant in education, research, and public service to protect and enhance the value of Ohio’s Lake Erie resources.”
- 1995 **Congressman Paul E. Gillmor**, presented 26 August for “strong support of the programs of Stone Laboratory and Ohio Sea Grant in education, research, and

public service to protect and enhance the value of Ohio's Lake Erie resources.”

Stone Laboratory Outstanding Professor 2007 – Present, and Outstanding Visiting Professor – 1991-2006

- 2013 **Dr. Lawrence A. Krissek**, The Ohio State University
- 2012 **Dr. Michael A. Hoggarth**, Otterbein University
- 2011 **Dr. Thomas Simon**, Indiana University
- 2010 **Dr. James Marshall**, Rockford College
- 2009 **Fred L. Snyder**, The Ohio State University
- 2008 **Dr. Lawrence A. Krissek**, The Ohio State University
- 2007 **Dr. Lawrence A. Krissek**, The Ohio State University
- 2006 **Dr. Michael A. Hoggarth**, Otterbein College, and **Dr. Lawrence A. Krissek**, The Ohio State University
- 2005 **Dr. Michael A. Hoggarth**, Otterbein College, **Dr. Richard L. Londraville**, University of Akron, and **Dr. R. Chris Stanton**, Baldwin-Wallace College
- 2004 **Dr. Scott Shalaway**, author and syndicated columnist, and **Kristin M. Stanford**, Northern Illinois University.
- 2003 **Dr. R. Chris Stanton**, Baldwin-Wallace College, and **Dr. Carmen E. Trisler**, Wittenberg University
- 2002 **Dr. Michael A. Hoggarth**, Otterbein College; **Dr. C. Lavett Smith**, American Museum of Natural History; and **Dr. Carmen E. Trisler**, Wittenberg University
- 2001 **Dr. Michael A. Hoggarth**, Otterbein College
- 2001 **Dr. David L. Moore**, Utica College of Syracuse University
- 2000 **Dr. Michael A. Hoggarth**, Otterbein College
- 1999 **Dr. David L. Moore**, Utica College of Syracuse University
- 1998 **Dr. Ann M. Stoeckmann**, Penn State University
- 1997 **Dr. Michael A. Hoggarth**, Otterbein College; **Dr. C. Lavett Smith**, American Museum of Natural History; and **Dr. Carmen E. Trisler**, Wittenberg University
- 1996 **Dr. Carmen E. Trisler**, Wittenberg University
- 1995 **Dr. Carmen E. Trisler**, Wittenberg University
- 1994 **Dr. C. Lavett Smith**, American Museum of Natural History
- 1993 **Dr. David L. Moore**, Utica College of Syracuse University
- 1992 **Dr. Kenneth A. Krieger**, Heidelberg College
- 1991 **Dr. Michael Ross**, University of Massachusetts

Friends of Stone Laboratory Lifetime Achievement Award

- 2015 **Jeff Reutter**, presented 12 September, “in recognition of your unsurpassed dedication and commitment to FOSL, Stone Lab and the Sea Grant Program. You have improved our programs and our facilities and have created a lasting legacy that will allow future students to continue to benefit from the Stone Lab experience. We all owe you a sincere debt of gratitude.”
- 2014 **Charlene Prochazka**, presented 6 September, “in recognition of your unsurpassed dedication and commitment to FOSL and Stone Lab. You have improved our programs and our facilities and have created a lasting legacy that will allow future students to continue to benefit from the Stone Lab experience. We all owe you a sincere debt of gratitude.”

- 2011 **John R. Hageman**, presented 10 September, “in recognition of your leadership and accomplishments as the Manager of Stone Laboratory from 1987-2011. Your continued support and commitment to improving opportunities for research, education and outreach at Stone Laboratory has been an inspiration to us all and has had a positive impact on over 100,000 students. You are the benchmark by which future Laboratory Managers will be judged.”
- 2008 **Joan Bradley**, presented 6 September, “in recognition of your commitment to the Friends of Stone Lab as “Secretary for Life,” involvement of your family in FOSL work weekends, and contributions as a teaching assistant at Stone Lab. Your continued support to the program is an inspiration to us all and has had a positive impact on thousands of students.”
- 2007 **Karen A. Jennings**, presented 8 September, “in recognition of your leadership in the creation of the Friends of Stone Laboratory as we celebrate our 25th anniversary. Your continued support and commitment to improving opportunities for research, education and outreach at Stone Laboratory has been an inspiration to us all and has had a positive impact on thousands of students.”
- 2007 **Michael R. Heniken**, presented 8 September, “in recognition of your leadership of, and commitment to, the Friends of Stone Laboratory as we celebrate our 25th anniversary. As our President and as the “Voice of FOSL” in our newsletter, you have worked to improve the quality of programs at Stone Laboratory and have had a positive impact on thousands of students.”

Friends of Stone Laboratory Board of Director’s Award

- 2014 **Lydia Blankenship**, presented 6 September, “in recognition of your outstanding service to the FOSL. Your energy, enthusiasm, and generous donations are a wonderful example to all of us. Everyone associated with Stone Lab has benefited from your involvement and owe you a sincere debt of gratitude.”
- 2013 **Joan Bradley**, presented 7 September, “in recognition of your outstanding contributions to the FOSL as our ‘Secretary for Life.’ You have documented our meetings and kept us on task for 21 years. All associated with Stone Lab owe you a sincere debt of gratitude.”
- 2012 **Eugene C. Braig IV**, presented 8 September, “in recognition of your outstanding contributions to Sea Grant and Stone Laboratory during a time of great change and rapid improvement and growth. From leading workshops to preparing proposals, recruiting students, writing reports and solving problems of all types, you did it all extremely well and we all benefitted from your help and leadership.”
- 2011 **Nancy Cruickshank**, presented 10 September, “in recognition of your unsurpassed service and commitment to Stone Laboratory and FOSL. Your leadership of the silent auction and support of donor relations has been instrumental to our success and has benefitted thousands of students, teachers, and scientists.”
- 2011 **Arleen N. Pineda**, presented 10 September, “in recognition of your dedication and commitment to helping students and scientists working at Stone Laboratory. Your caring attitude, attention to detail, and the genuine concern you have for everyone working at the Lab is recognized by all of us. We all owe you a sincere debt of gratitude.”

- 2008 **David A. Culver**, presented 6 September, “in recognition of your support of research, education and outreach programs at Stone Lab during an outstanding career spanning more than 30 years. You have taught courses at the Lab, advised students, and conducted and mentored research. Your efforts have improved the environment and the quality of science education in Ohio and impacted thousands of lives.”
- 2008 **Captain Al Duff**, presented 6 September, “in recognition of your many years captaining OSU vessels, assisting on field trips and research projects, maintaining the physical facilities of Stone Laboratory, and allowing numerous classes to use your family property for field trips. Your efforts have helped thousands of students.”

Ohio Sea Grant Partnership Award

- 2010 **Ken Alvey and the Lake Erie Marine Trades Association**, presented 16 July, “in recognition of your role as a key partner and contributor to our research, education and outreach efforts focusing on the economy, environment, and education, and Ohio’s most valuable natural resource, Lake Erie.”
- 2010 **The Jet Express, Todd Blumensaadt, President**, presented 16 July, “in recognition of your support of Ohio Sea Grant and Stone Lab’s research, education, and outreach efforts focusing on the economy, environment, and education, and Ohio’s most valuable natural resource, Lake Erie.”
- 2010 **Donniella Winchell and the Ohio Wine Producers**, presented 16 July, “in recognition of your role as a strong partner and contributor for almost 30 years to our education and outreach efforts for elected officials and decision makers focusing on the economy, environment, and education, and Ohio’s most valuable natural resource, Lake Erie.”
- 2008 **The Ohio State University, E. Gordon Gee, President**, presented 18 July, “on the 30th Anniversary of the Ohio Sea Grant College Program in recognition of your commitment to Lake Erie dating back to 1895 and your role as Ohio’s flagship institution and our academic home supporting our research, education, and outreach efforts focusing on the economy, environment, and education, and Ohio’s most valuable natural resource, Lake Erie.”
- 2008 **NOAA**, presented 18 July, “on the 30th Anniversary of the Ohio Sea Grant College Program in recognition of your role as our primary federal partner supporting our research, education and outreach efforts focusing on the economy, environment, and education, and Ohio’s most valuable natural resource, Lake Erie.”
- 2008 **Ohio Coastal Management Program**, presented 18 July, “on the 30th Anniversary of the Ohio Sea Grant College Program in recognition of your role as a key partner and leader of our research, education, and outreach efforts focusing on the economy, environment, and education, and Ohio’s most valuable natural resource, Lake Erie.”
- 2008 **Old Woman Creek NERR**, presented 18 July, “on the 30th Anniversary of the Ohio Sea Grant College Program in recognition of your role as a key partner and leader of our research, education and outreach efforts focusing on the economy, environment, and education, and Ohio’s most valuable natural resource, Lake Erie.”

- 2004 **Cedar Point**, presented 16 July, “on the 20th Anniversary of the Ohio Sea Grant’s first State Legislature Day Luncheon in 1984, in recognition of your continuous support of the opening luncheon for every State Legislature/Congressional Day, your strong support and participation in our education and outreach efforts, and your commitment to protecting and improving Ohio’s most valuable natural resource, Lake Erie.”
- 2002 **Jim Fofrich, Sr.**, presented 9 November, “in recognition of his strong support of Ohio Sea Grant’s fisheries extension and habitat enhancement programs and a lifetime committed to protecting and improving Ohio’s most valuable natural resource, Lake Erie.
- 2001 **Lake Erie Charter Boat Association**, presented to Gene Majni, President, 10 March, “On the 20th Anniversary of the Ohio Charter Captains Conference, in recognition of your continued support of the teaching, research and outreach efforts of the Ohio Sea Grant Program and Stone Laboratory and your leadership and outstanding accomplishments in protecting and improving Ohio’s most valuable natural resource, Lake Erie.”
- 1999 **National Sea Grant Review Panel**, presented to Frank Kudrna, Panel Chair, 9 July, “in recognition of your commitment and dedication to the improvement of the National Sea Grant College Program and each of the 30 state programs. Your participation with the National Sea Grant College Program and the Sea Grant Association has been invaluable in enhancing the quality and impact of Great Lakes and oceanic research, education and outreach programs in this country.”
- 1999 **Melinda Huntley**, Executive Director, Ottawa Co. Visitors’ Bureau, 9 July, “in recognition of your strong support of Ohio Sea Grant and Stone Laboratory and your commitment, support and leadership of programs to stimulate the economy and enhance the value of Lake Erie to Ottawa County.”
- 1999 **Ohio Division of Wildlife**, 9 July, “in recognition of your leadership and participation with Ohio Sea Grant for over 20 years on many projects and programs to stimulate the economy, protect the environment and enhance the value of Lake Erie, Ohio’s most valuable natural resource.”
- 1999 **Ohio Lake Erie Office and the Lake Erie Protection Fund**, presented to Dr. Jeff Bush, Executive Director, 9 July, “in recognition of your leadership and participation with Ohio Sea Grant on many projects and programs to stimulate the economy, protect the environment and enhance the value of Lake Erie, Ohio’s most valuable natural resource.
- 1997 **Polish Fishermen’s Club**, presented 18 October for “your continued support of the teaching, research and outreach efforts of the Ohio Sea Grant Program and Stone Laboratory and your leadership and outstanding accomplishments in protecting and improving Ohio’s most valuable natural resource, Lake Erie.”
- 1997 **Larry D. Richardson**, Executive Director, Lake Erie Nature and Science Center, presented 10 July for “superior leadership and continued support of Sea Grant education programs for students of all ages to enhance their understanding and appreciation of Ohio’s most valuable natural resource, Lake Erie.”
- 1997 **Jim Hartung**, President, Toledo-Lucas County Port Authority, presented 10 July for “superior leadership and continued support of Sea Grant efforts to stimulate the economy, protect the environment and enhance the value of Lake Erie, Ohio’s

- most valuable natural resource.”
- 1997 **William Schaeffer**, Beaver Park Marina, presented 10 July for “superior leadership and continued support of Sea Grant efforts to stimulate the economy, protect the environment and enhance the value of Lake Erie, Ohio’s most valuable natural resource.”
- 1997 **Dave, Judy and Chris Fassnacht**, Expositions, Inc., presented 10 July for “superior leadership and continued support of Sea Grant efforts to stimulate the economy, protect the environment and enhance the value of Lake Erie, Ohio’s most valuable natural resource.”
- 1997 **Joe and Winnie Ihnat**, Anchors Away Marina, presented 10 July for “superior leadership and continued support of Sea Grant efforts to stimulate the economy, protect the environment and enhance the value of Lake Erie, Ohio’s most valuable natural resource.”
- 1996 **Pat Cano**, Executive Director, Lorain County Visitors Bureau, presented 22 May “in recognition of your Commitment, Support and Leadership of Programs to Stimulate the Economy and Enhance the Value of Lake Erie to Lorain County.”
- 1996 **Jim Kroeger**, Director of Business Development, Greater Cleveland Growth Association, presented 21 May “in recognition of your efforts to create and support a Sea Grant Economic Development Program in Greater Cleveland.”
- 1995 **Dick Kinzel and Cedar Point**, presented 23 June for "Cedar Point's 125th anniversary in recognition of generous and outstanding support of State Legislature/Congressional Day programs and many other activities supporting the rebirth of Lake Erie."
- 1995 **Ohio Wine Producers Association**, presented 23 June for "generous and outstanding support of Ohio Sea Grant's State Legislature/Congressional Day on Lake Erie."
- 1995 **Jet Express**, presented 23 June for "generous and outstanding support of Ohio Sea Grant's State Legislature/Congressional Day on Lake Erie."
- 1995 **Robert Nash**, General Manager, Edgewater Yacht Club, presented 22 June for "generous support of Sea Grant research and education programs on Lake Erie"
- 1995 **Norm Schultz and Lake Erie Marine Trades Association**, presented 23 June for “outstanding support of our efforts to enhance the quality and value of Lake Erie.”

Ohio Sea Grant Distinguished Service Award

- 2014 **Frank Lichtkoppler**, presented 17 October, “on your retirement in recognition of your commitment and distinguished service to The Ohio Sea Grant College Program and Lake Erie for over 33 years. Your work has increased our understanding of the value of Lake Erie and our coastal resources and improved the ecosystem, the coastal economy, and the quality of life for millions of people. Those who live and work around Lake Erie owe you a sincere debt of gratitude.”
- 2013 **John Hildebrandt**, presented 7 November, “on your retirement in recognition of your commitment and over 30 years of distinguished service to Ohio Sea Grant, Lake Erie, and economic development and tourism. You were instrumental in creating and hosting our first combined State Legislature/Congressional Day on Lake Erie in 1984. This led to increased understanding of the value of Lake Erie and to improvements in the ecosystem, the coastal economy, and the quality of life

- for millions of people. Those who live and work around Lake Erie owe you a sincere debt of gratitude.”
- 2012 **David O. Kelch**, presented 5 June, “on your retirement in recognition of your commitment and distinguished service to The Ohio Sea Grant College Program including your leadership of the construction of 10 artificial reefs and superior outreach efforts for anglers, charter captains, marinas, coastal businesses and communities, and much more. Your work has improved the Lake Erie ecosystem, the coastal economy, and the quality of life for millions of people. Those who live and work around Lake Erie owe you a sincere debt of gratitude.”
- 2010 **Jill Jentes Banicki**, presented 16 July, “in recognition of your unsurpassed dedication and commitment to the success of the program and the quality of all of our education and outreach materials. The numerous awards your publications have received do not adequately recognize the value of your contributions to the program, our students and scientists, and all Lake Erie users. We all owe you a great debt of gratitude.”
- 2001 **Fred L. Snyder**, District Sea Grant Extension Specialist, presented 10 March, “On the 20th Anniversary of the Ohio Charter Captains Conference, in recognition of your development and leadership of this conference and your outstanding service to Ohio’s coastal businesses and communities. Your work has done much to improve Lake Erie and the quality of life on Ohio’s north coast.”
- 1997 **Victor J. Mayer**, Professor Emeritus, Ohio State University, presented 10 July for “superior research and leadership of the Ohio Sea Grant Education Program” and “selfless dedication to assisting students and other scientists and improving the Ohio Sea Grant College Program.”
- 1997 **Leroy J. Hushak**, Professor Emeritus, Ohio State University, presented 10 July for “superior research and leadership of the Ohio Sea Grant Extension Program” and “selfless dedication to assisting students and other scientists and improving the Ohio Sea Grant College Program.”
- 1997 **Rosanne W. Fortner**, Professor, Ohio State University, presented 10 July for “superior research and leadership of the Ohio Sea Grant Education Program” and “selfless dedication to assisting students and other scientists and improving the Ohio Sea Grant College Program.”
- 1997 **Robert T. Heath**, Professor, Kent State University, presented 10 July for “superior research on critical Lake Erie Issues” and “selfless dedication to assisting students and other scientists and improving the Ohio Sea Grant College Program.”
- 1997 **David A. Culver**, Ohio State University, presented 10 July for “superior research on critical Lake Erie Issues” and “selfless dedication to assisting students and other scientists and improving the Ohio Sea Grant College Program.”
- 1997 **Keith W. Bedford**, Chairperson, Civil and Environmental Engineering, Ohio State University, presented 10 July for “superior research on critical Lake Erie Issues” and “selfless dedication to assisting students and other scientists and improving the Ohio Sea Grant College Program.”
- 1996 **Maran Hilgendorf**, Assistant Director, Ohio Sea Grant College Program, presented 28 April 1997, “in recognition of her superior leadership of communication and outreach efforts for Ohio Sea Grant, Stone Lab and GLAERC; her assistance to other programs and investigators developing projects and

preparing publications; and her commitment to public education and enhancing understanding of the needs and values of Lake Erie, Ohio's most valuable natural resources."

- 1996 **Joan Van Offeren**, Executive Director, Erie County Visitors Bureau, presented 25 September for "superior and unselfish support and leadership of numerous programs and projects to help Sea Grant and stimulate the economy and enhance the value of Lake Erie."
- 1995 **Lee Stevens**, President of the Sea Grant Association, presented 23 June for "invaluable support and guidance" to the association and Ohio Sea Grant
- 1995 **John Hildebrandt**, Marketing Director of Cedar Point, presented 23 June for "support and invaluable guidance throughout the creation and development of Ohio Sea Grant."
- 1993 **Jack Waldock**, presented in June in recognition of "support and invaluable guidance throughout the creation and development of the Ohio Sea Grant College Program and its private sector advisory committees."
- 1993 **Fred Deering**, former State Representative, presented in June "in recognition of efforts to improve and protect Lake Erie natural resources and develop a Sea Grant program in Ohio."
- 1993 **Joseph Koziera**, Ohio House of Representatives, presented May 1993, in recognition of your "commitment to and leadership of efforts to enhance the economy in Lorain and protect and develop Ohio's most valuable natural resource, Lake Erie."

Ohio Sea Grant Superior Leadership Awards

- 2014 **Frank Lichtkoppler**, presented 17 October, "on your retirement in recognition of your superior leadership of research, education and outreach efforts for the Ohio Sea Grant Extension Program and the entire Great Lakes Sea Grant Network for over 15 years. We have all benefitted greatly from your selfless dedication and commitment to helping others and enhancing the value of the Great Lakes. All associated with the program eagerly give you this recognition, which you never sought, but so richly deserve."
- 2012 **Bobby D. Moser**, presented 14 September 2012, "in recognition of over 25 years of superior leadership of efforts to support the research, education, and outreach programs of the Ohio Sea Grant College Program and Stone Laboratory. Your leadership, dedication and hard work have protected and enhanced the value of Lake Erie, improved science education in Ohio, assisted thousands of students and scientists at Stone Lab, and protected the health and welfare of all Lake Erie users. All Lake Erie users owe you a sincere debt of gratitude."
- 2010 **Mark Wagoner**, Ohio Senate, presented 26 May, "in recognition of your superior leadership of efforts in the Ohio Legislature to support the research, education, and outreach programs of the Ohio Sea Grant College Program and Stone Laboratory. Your leadership, dedication and hard work during one of the most challenging times in Ohio history have protected and enhanced the value of Lake Erie, improved science education in Ohio, and protected the health and welfare of all Lake Erie users. All Ohioans owe you a sincere debt of gratitude."
- 2009 **Fred L. Snyder**, presented 3 September, "on your retirement in recognition of your

- superior leadership of The Ohio Sea Grant Extension Program and outreach and teaching efforts For anglers, charter captains, coastal businesses and communities, courses and workshops at Stone Laboratory, and much more. Your work has improved the Lake Erie ecosystem and the quality of life for millions of people. Those who live and work around Lake Erie owe you a sincere debt of gratitude.”
- 2009 **The Honorable Dennis Murray**, presented 13 August, “in recognition of your superior leadership of efforts to support the research, education, and outreach programs of the Ohio Sea Grant College Program and Stone Laboratory. Your leadership, dedication and hard work during the most challenging times will protect and enhance the value of Lake Erie, improve science education in Ohio, and protect the health and welfare of all Lake Erie users.”
- 2008 **David A. Culver**, presented 30 June, “on your retirement in recognition of your superior leadership of ecosystem research, teaching, and outreach programs that have led to enhanced aquaculture production and improved management of the Lake Erie ecosystem. Your work has improved the quality of life for millions of people. Those who live and work in the Great Lakes region owe you a sincere debt of gratitude.”
- 2006 **Keith W. Bedford**, presented 14 July, “on your retirement in recognition of your superior leadership of engineering programs within Ohio Sea Grant and your creation of the models that forecast physical conditions on the Great Lakes. Your work has saved lives and protected property. Those who live and work in the Great Lakes region owe you a sincere debt of gratitude.”
- 2006 **Representative Chris Redfern**, presented 14 July, “in recognition of your superior leadership of efforts to support the Ohio Sea Grant College Program and Stone Laboratory, and specifically our programs to enhance Lake Erie tourism, sport fishing, research, education, and outreach through the creation of a new “Fish Lake Erie” license plate. All people who love Lake Erie and use its vast resources will benefit from your hard work and leadership.”
- 2006 **Norm Schultz**, presented 14 July, “in recognition of your superior leadership of The Lake Erie Marine Trades Association and boating and marine trades interests throughout, Ohio, the Great Lakes Region, and this country. You have been an exceptional leader and a role model for blending tourism and economic development through boating with environmental protection. All Lake Erie boaters and environmental advocates have benefited from your hard work and leadership.”
- 2005 **Rosanne W. Fortner**, presented 30 June, “on your retirement in recognition of your superior leadership of education programs within Ohio Sea Grant, Stone Laboratory, and the Great Lakes Sea Grant Network for over 25 years. Your work has improved the quality of marine and aquatic education in Ohio, the region, the country, and the world. Those who work in this field owe you a sincere debt of gratitude.”
- 2004 **Jack Waldock**, presented 16 July, “in recognition of your efforts to develop Ohio Sea Grant’s State Legislature/Congressional Day on Lake Erie. This event has been called the best education program for elected officials and decision makers in the country, and your encouragement and personal support has made it possible. Your hard work and dedication has benefited hundreds of thousands of people

- who live, work and recreate on Lake Erie, Ohio's most valuable natural resource.”
- 2004 **Gene Wright**, Manager Old Woman Creek NERR, presented 31 January, “in recognition of your superior leadership of the research, education and outreach programs at the Old Woman Creek NERR during the first 25 years of its existence. Your honest and forthright style is an example for all of us and made it a pleasure to work at Old Woman Creek. Your hard work and dedication has benefited hundreds of thousands of people, researchers from all over the country, and students of all ages.”
- 1999 **Dr. Ronald C. Baird**, Director of the National Sea Grant College Program, presented 9 July, “in recognition of your superior leadership and dedication to Great Lakes and oceanic research, education and outreach programs within the National Sea Grant College Program. Your hard work and commitment has benefited all 30 programs and the people of this country.”
- 1995 **E. Gordon Gee**, President at Ohio State, presented 23 June for "commitment to and outstanding support of The Ohio State University's Lake Erie Program: F. T. Stone Laboratory, the Ohio Sea Grant College Program, and the Great Lakes Aquatic Ecosystem Research Consortium."
- 1995 **Edward F. Hayes**, Vice President for Research at Ohio State, presented 23 June for "commitment to and outstanding support of The Ohio State University's Lake Erie Program: F. T. Stone Laboratory, the Ohio Sea Grant College Program, and the Great Lakes Aquatic Ecosystem Research Consortium."
- 1993 **Daniel P. Troy**, presented June for “superior leadership and support of programs and legislation to protect and enhance the value of the resources of Lake Erie.”
- 1992 **Frederick E. Hutchinson**, OSU Provost, presented in March “in recognition of your superior leadership, support and guidance of Ohio State’s programs to enhance the resources of Lake Erie.”

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FIGURE 1

Total Student Enrollment at Stone Laboratory
1980-2014

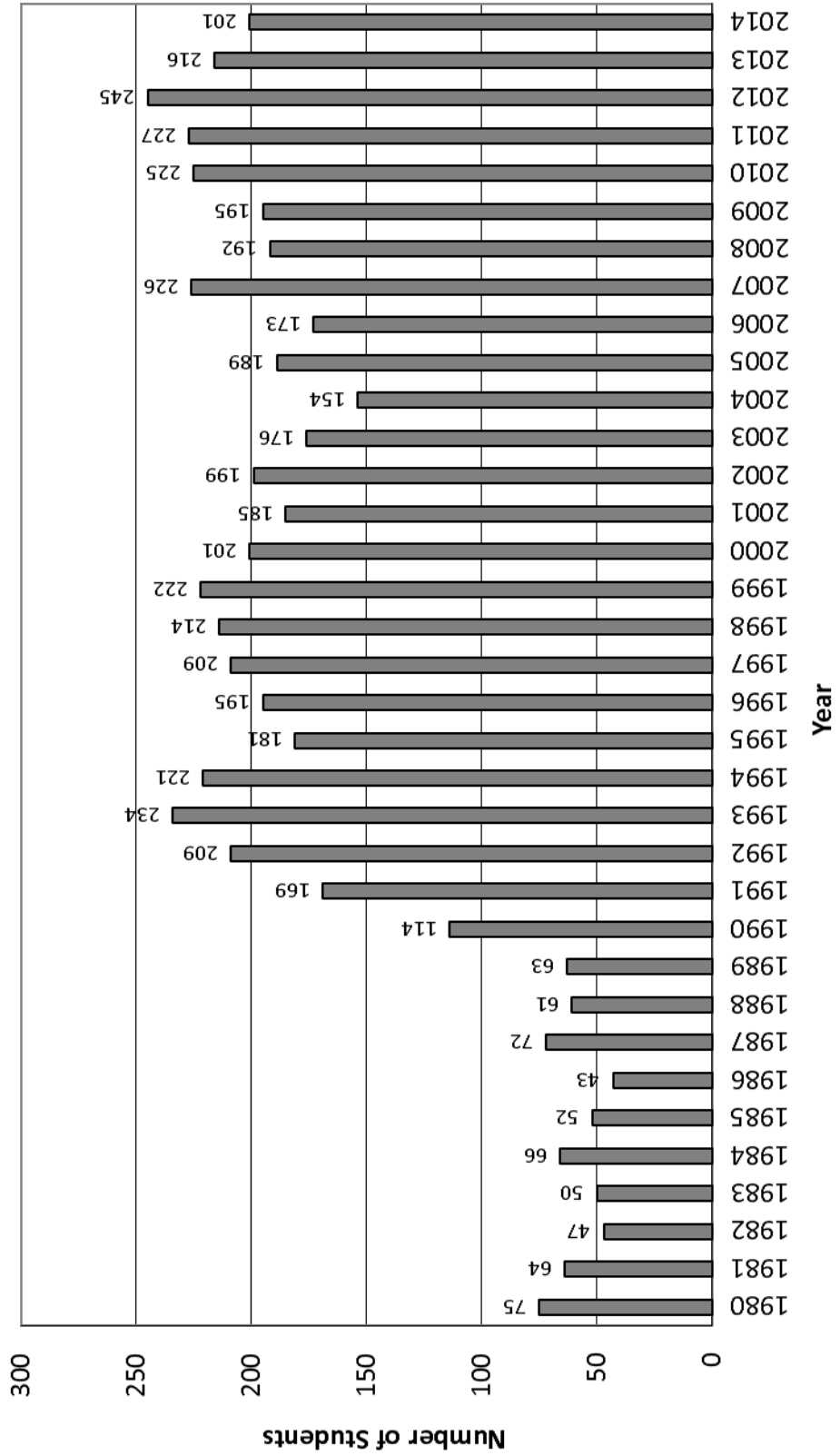


FIGURE 2

Number of Students Attending Stone Laboratory from High Schools,
Ohio State University and Other Colleges
2000-2014

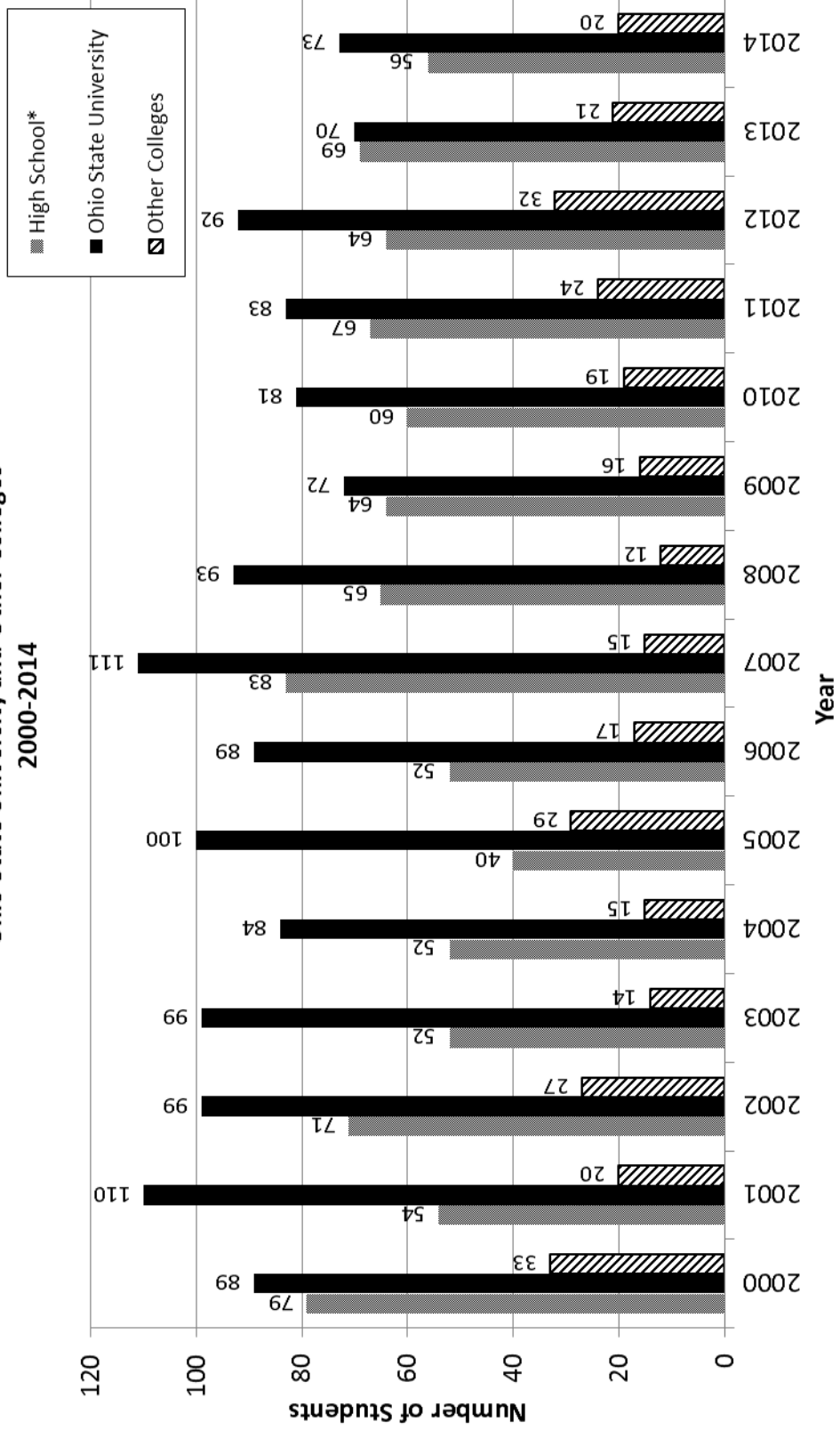


FIGURE 3

Number of Institutions Represented by Students at Stone Laboratory
2000-2014

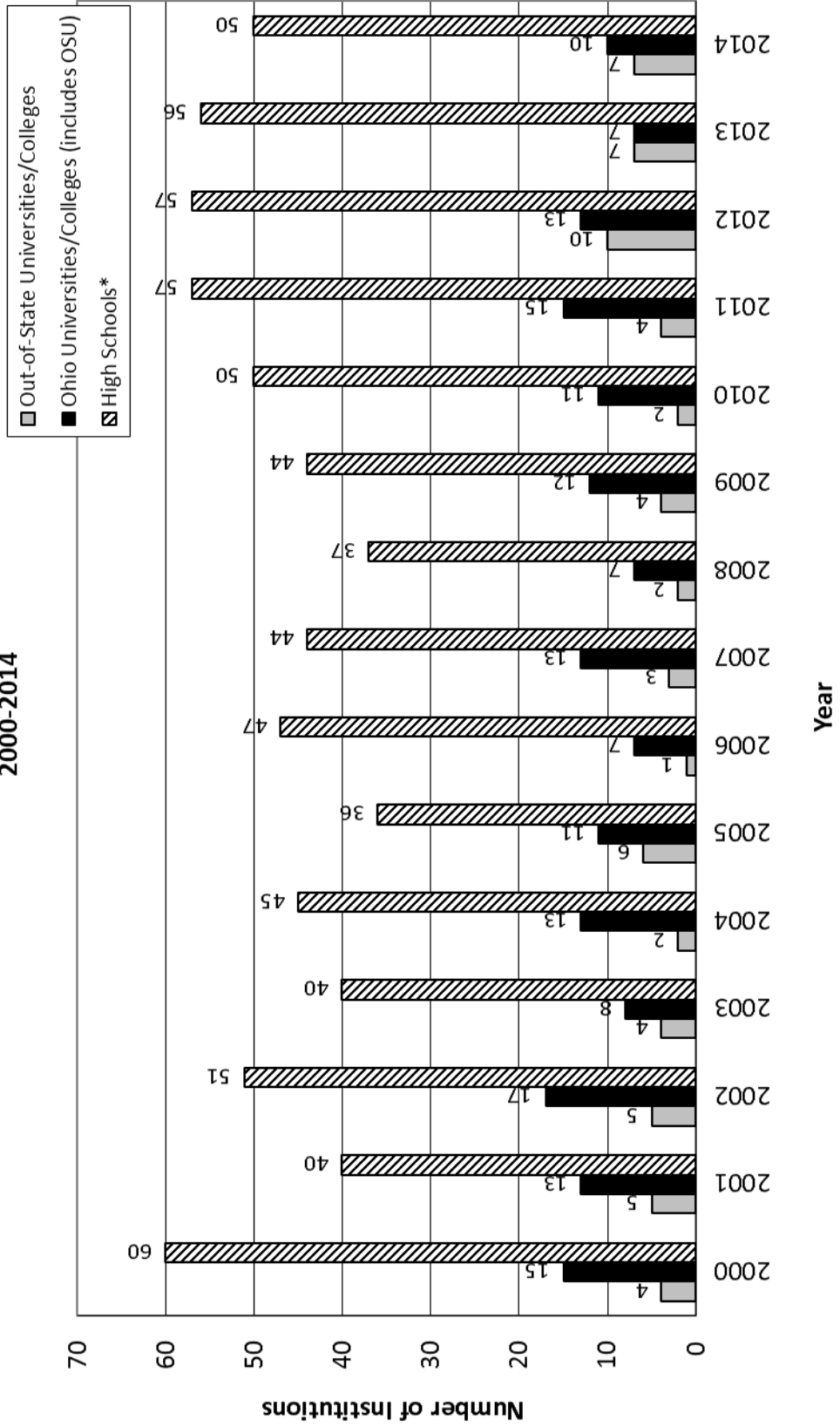


FIGURE 4
 Number of Undergraduate, Graduate and High School Students Attending Stone Laboratory
 2000-2014

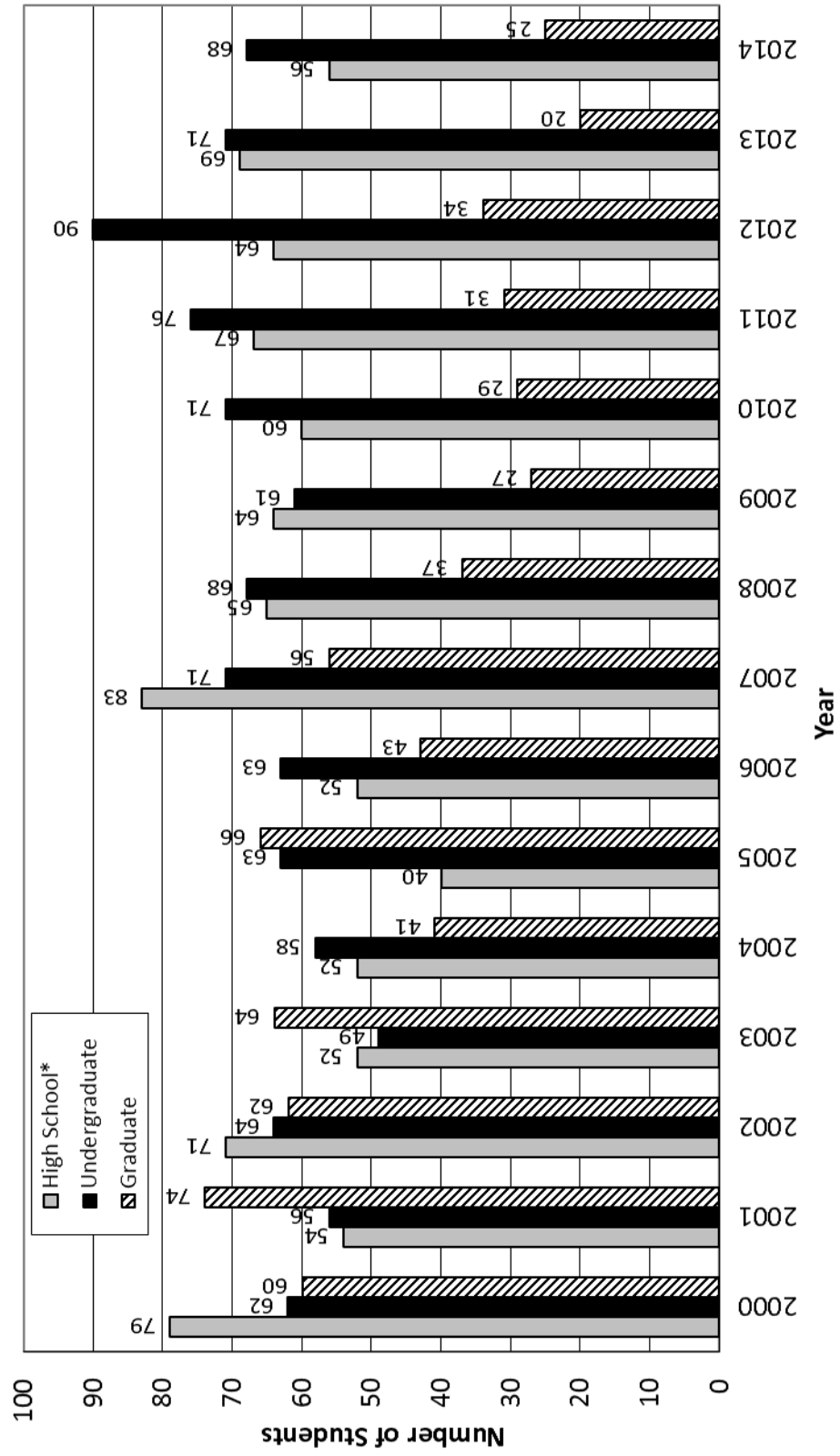


FIGURE 5

Quarter
Credit Hours of Student Enrollment at Stone Laboratory
2000-2011

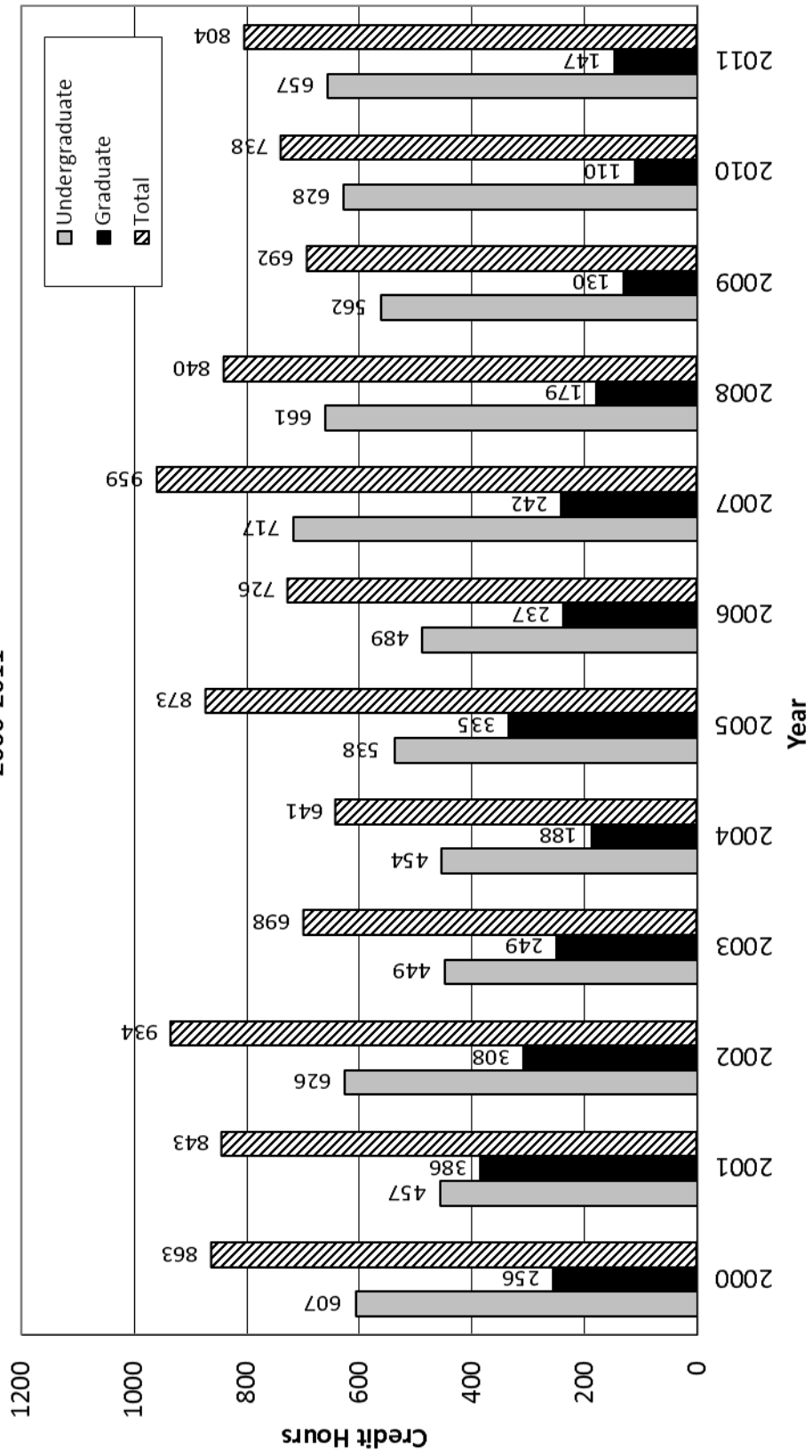


FIGURE 5b

Semester
Credit Hours of Student Enrollment at Stone Laboratory
2012-2014

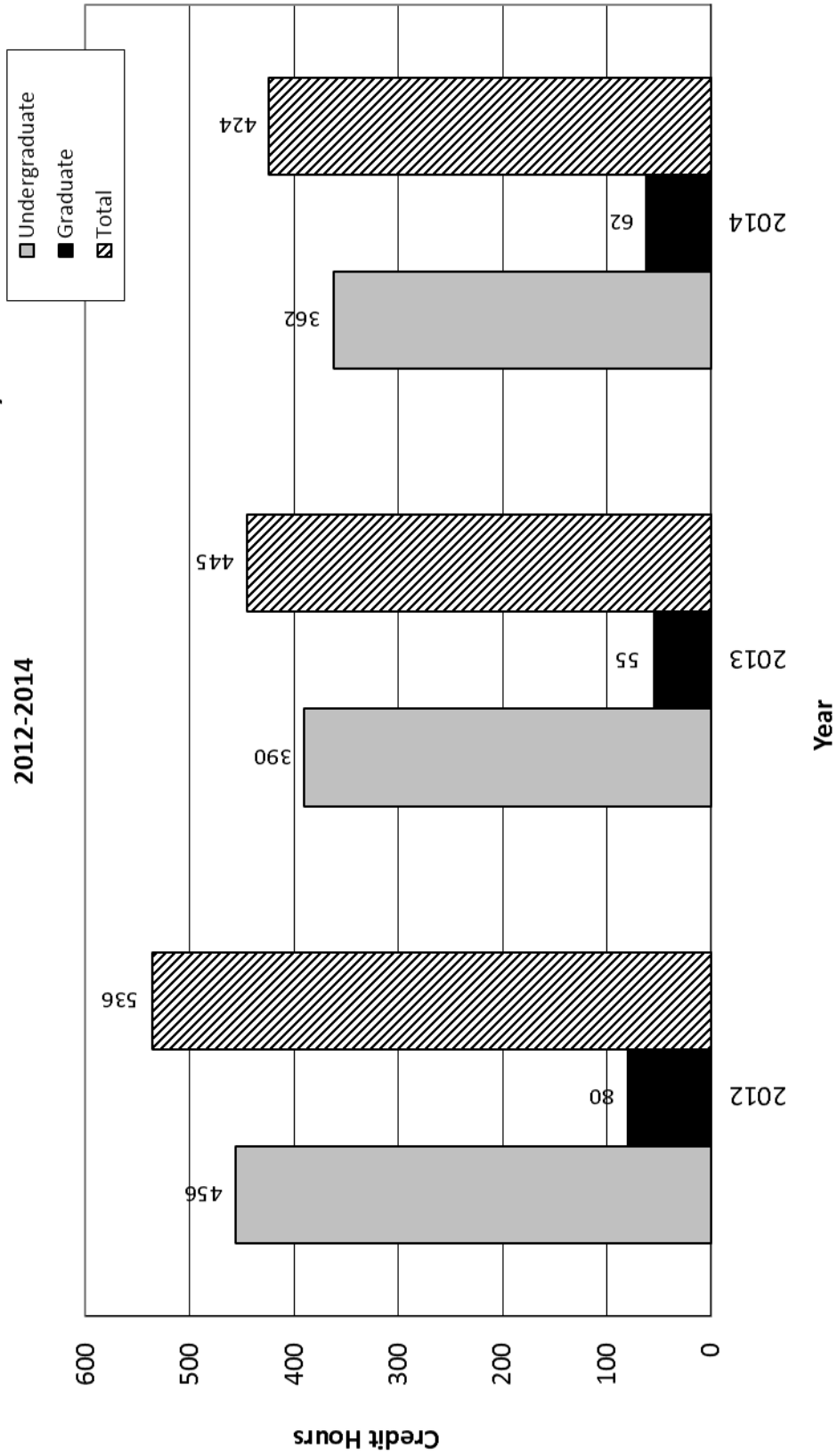


FIGURE 6
Number of Male and Female Students Attending Stone Laboratory
2000-2014

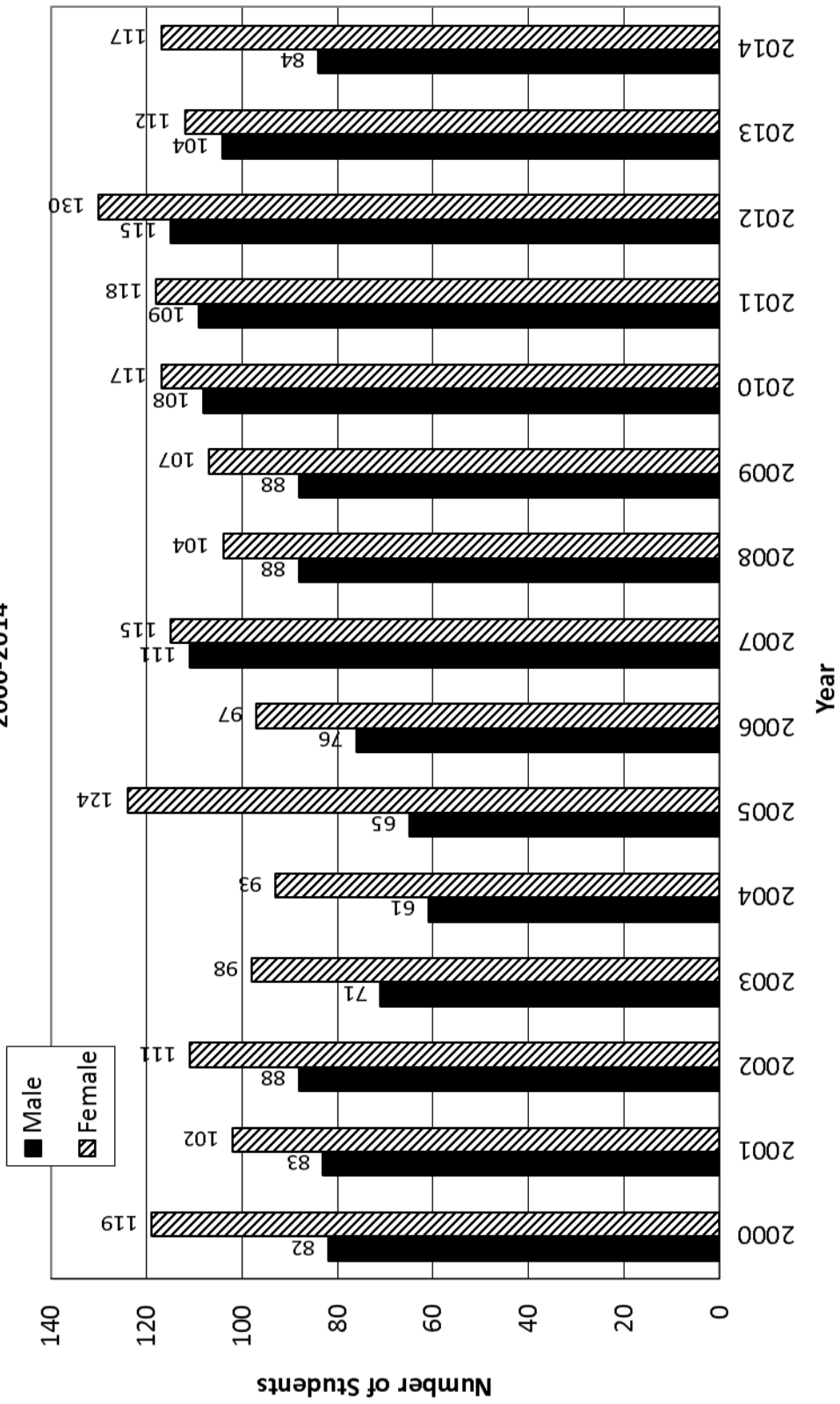


FIGURE 7

Stone Laboratory Field Trips, Conferences, and Tours: Number of Groups
2000-2014

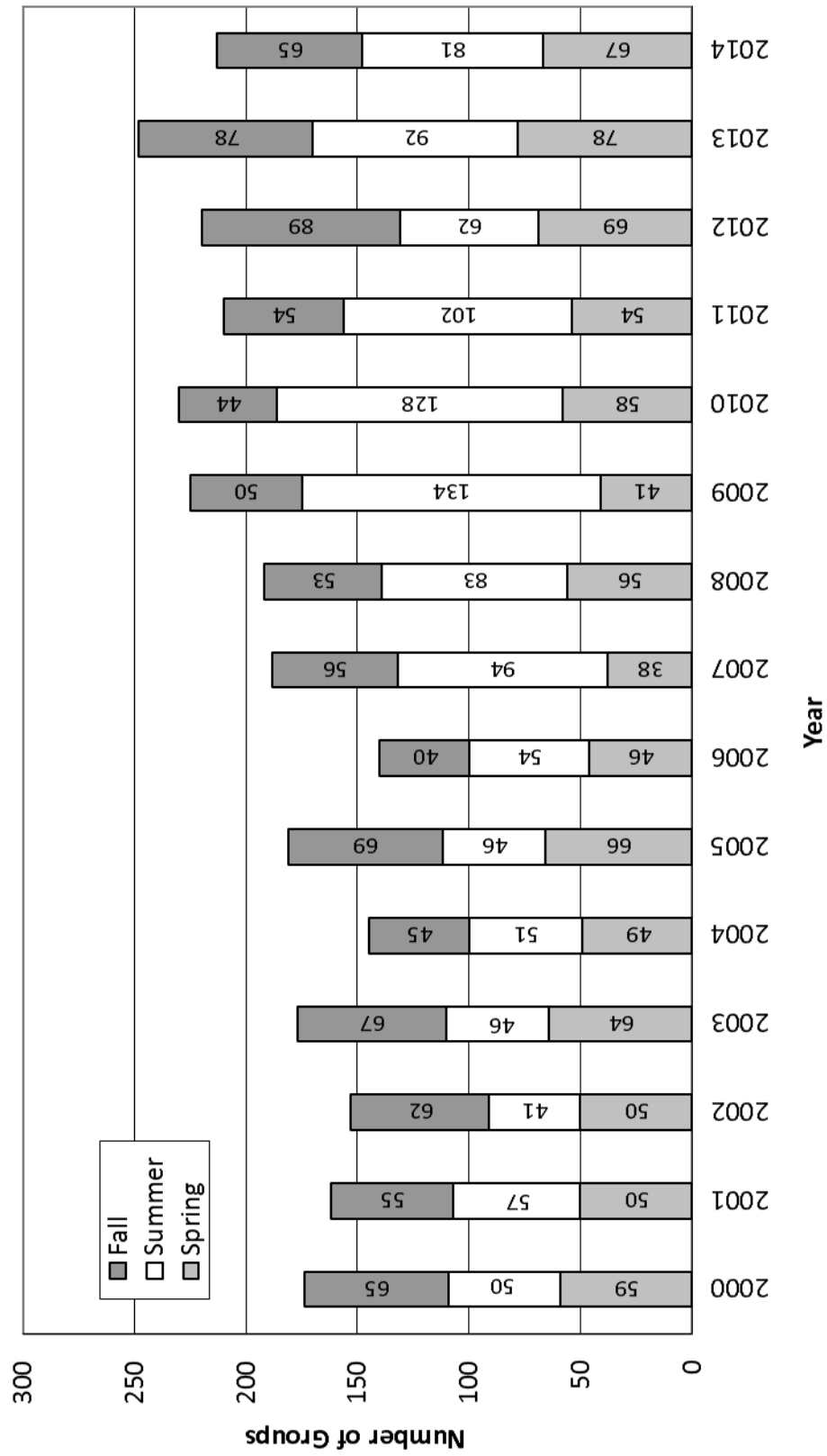


FIGURE 8

Stone Laboratory Field Trips, Conferences, and Tours: Number of Participants
2000-2014

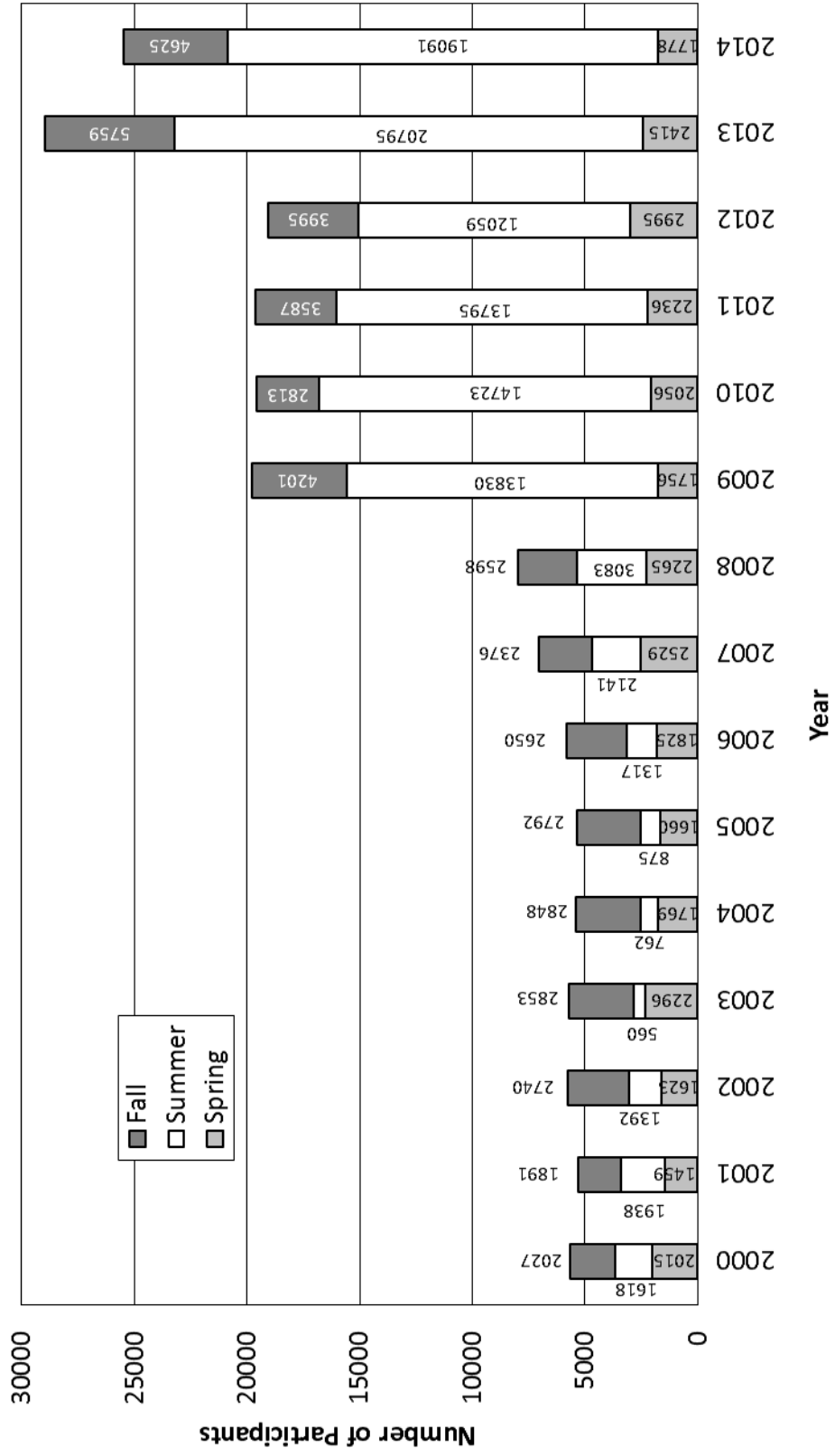


FIGURE 9

Stone Laboratory Field Trip Program: Composition of Participating Students*
2000-2014

(only includes field trip participants)

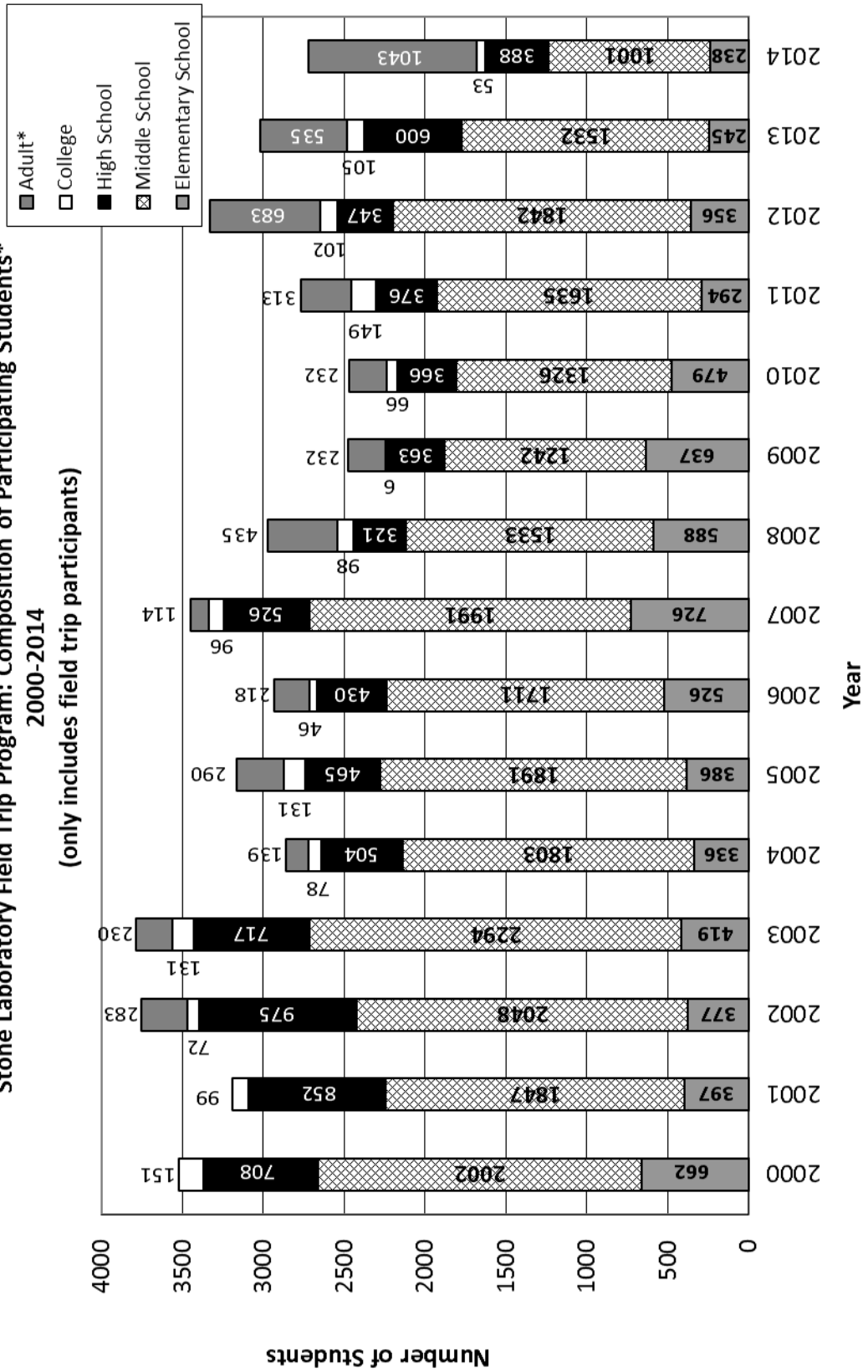


FIGURE 10

Research at Stone Laboratory: Number of Research Projects, Principal Investigators, Research Assistants, and Institutions 2006-2014

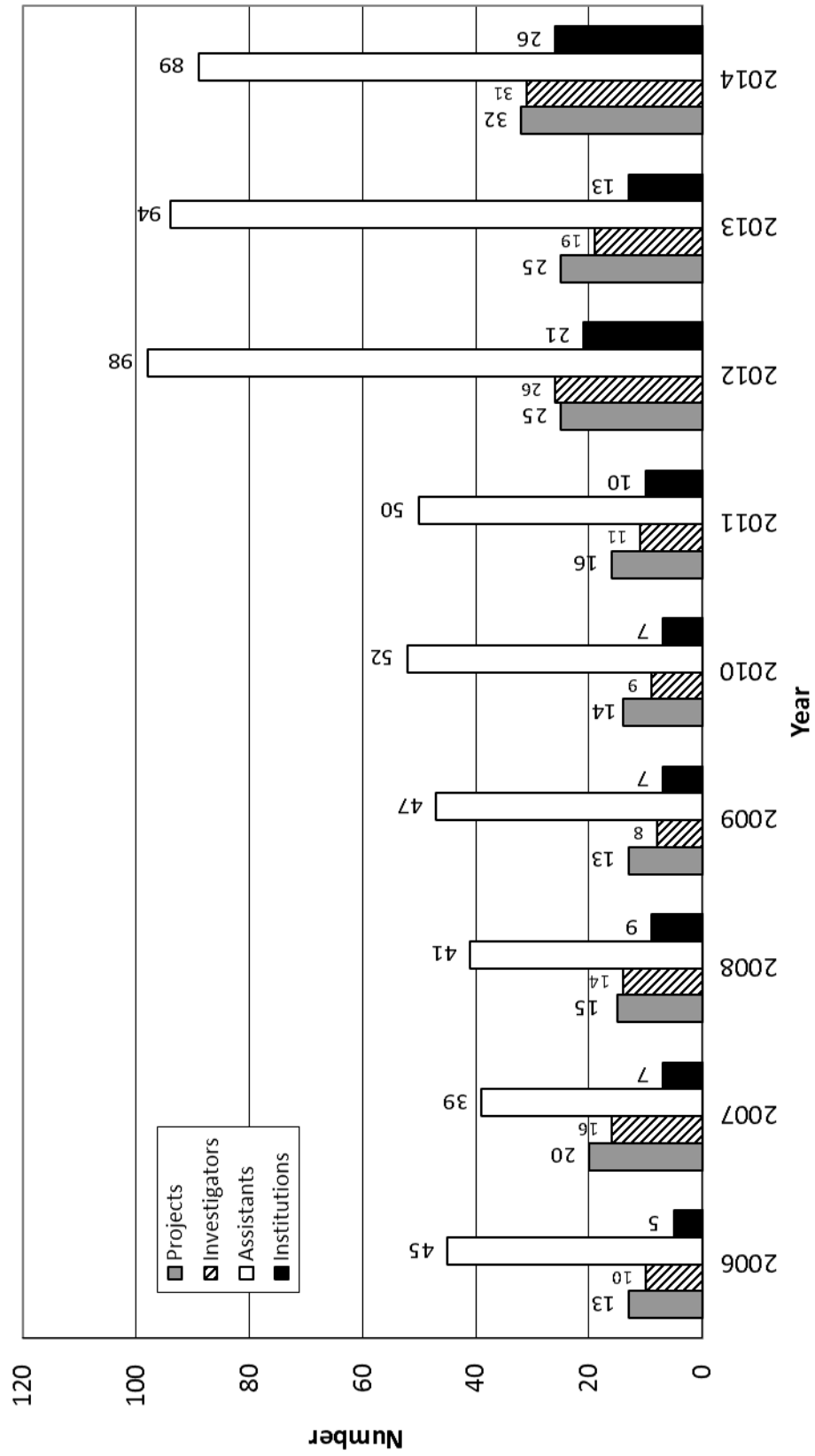


FIGURE 11

Number of Students Receiving Stone Laboratory Scholarships for Summer College Programs
2006-2014

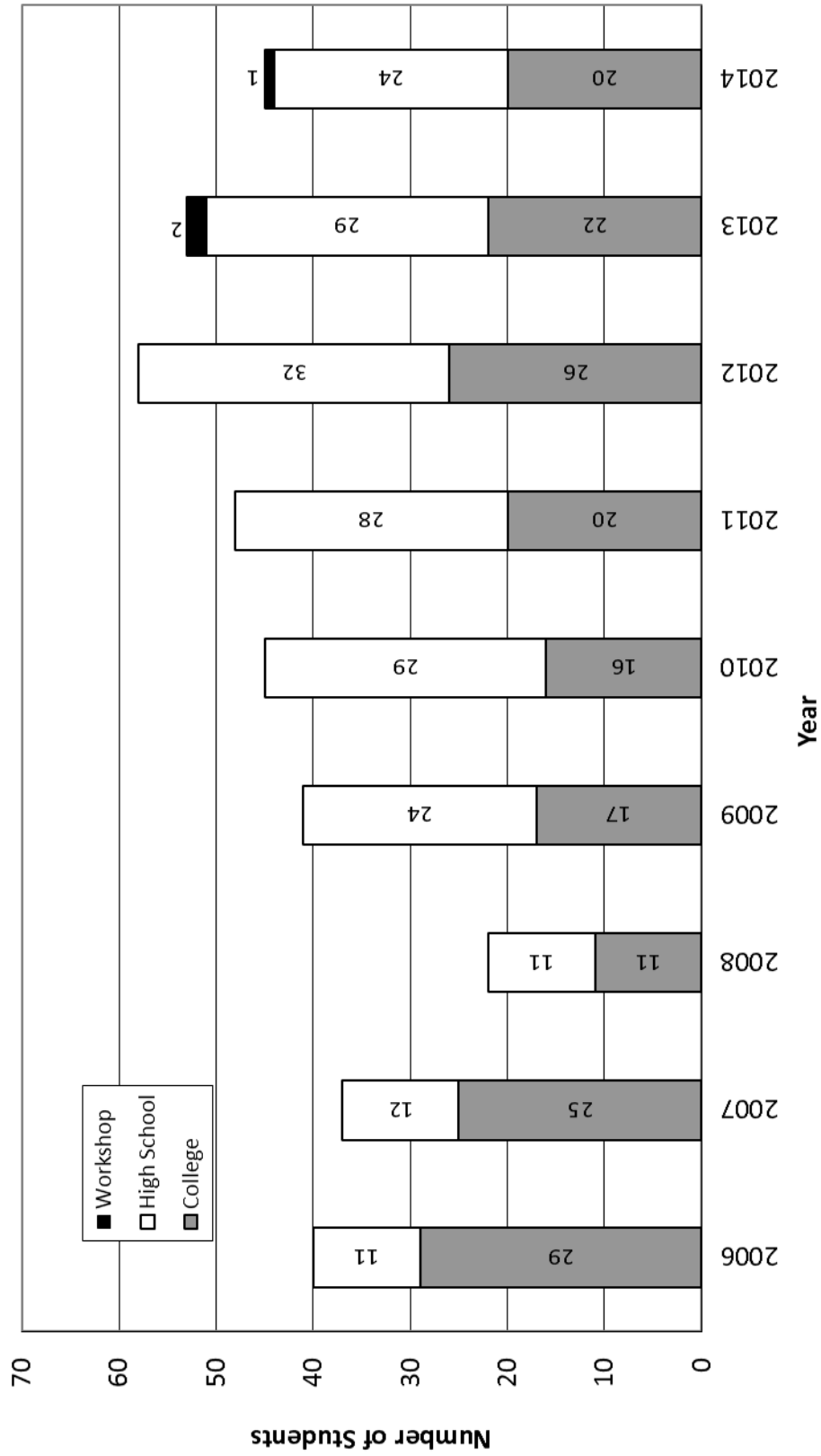


FIGURE 12

Total Value of Scholarships Awarded to College and High School Participants in Stone Laboratory Summer College Program 2006-2014

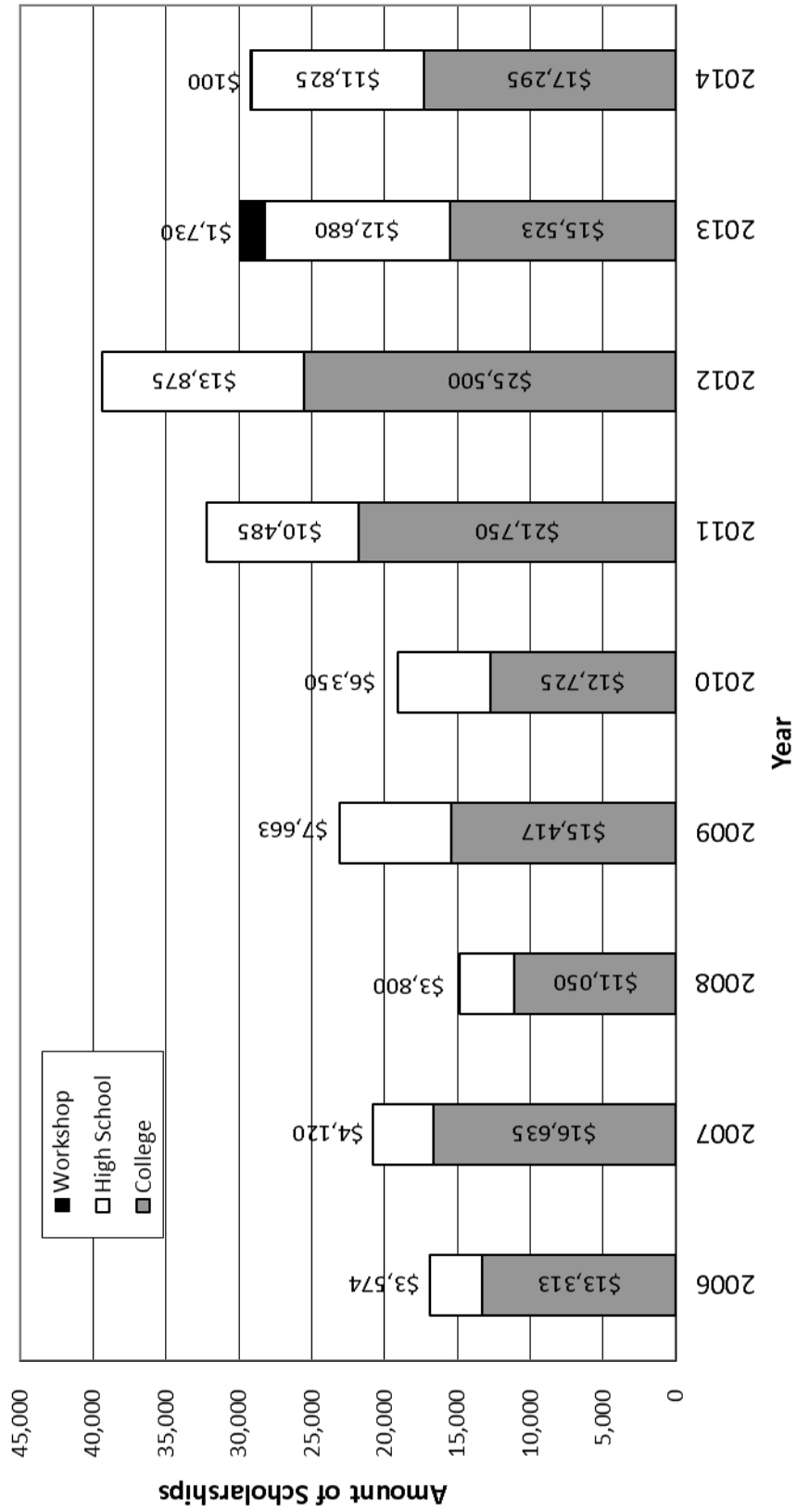


FIGURE 13

**Total Number of College Participants Receiving REU or Research Scholar Scholarships
in the Stone Laboratory Summer College Program
2005-2014**

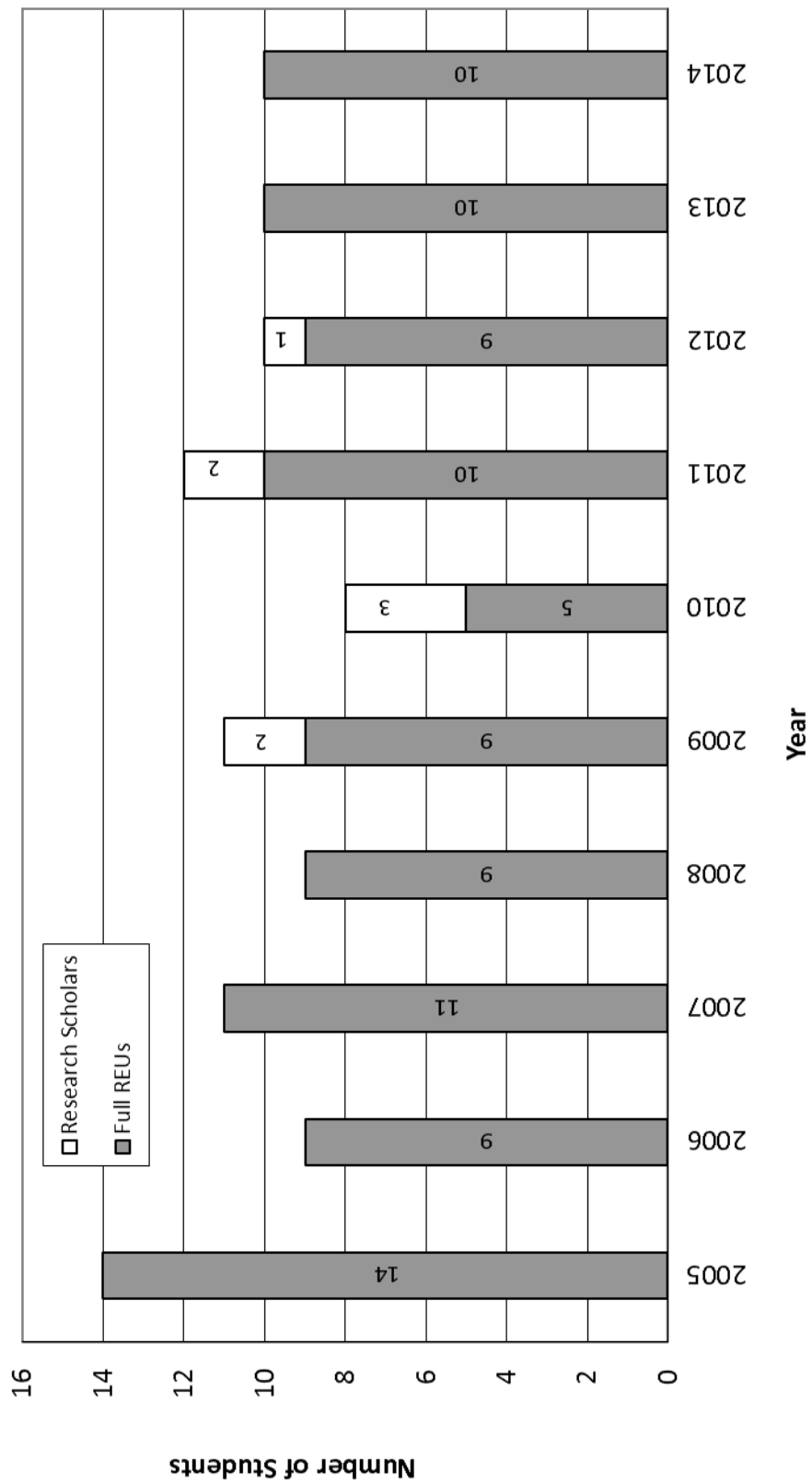
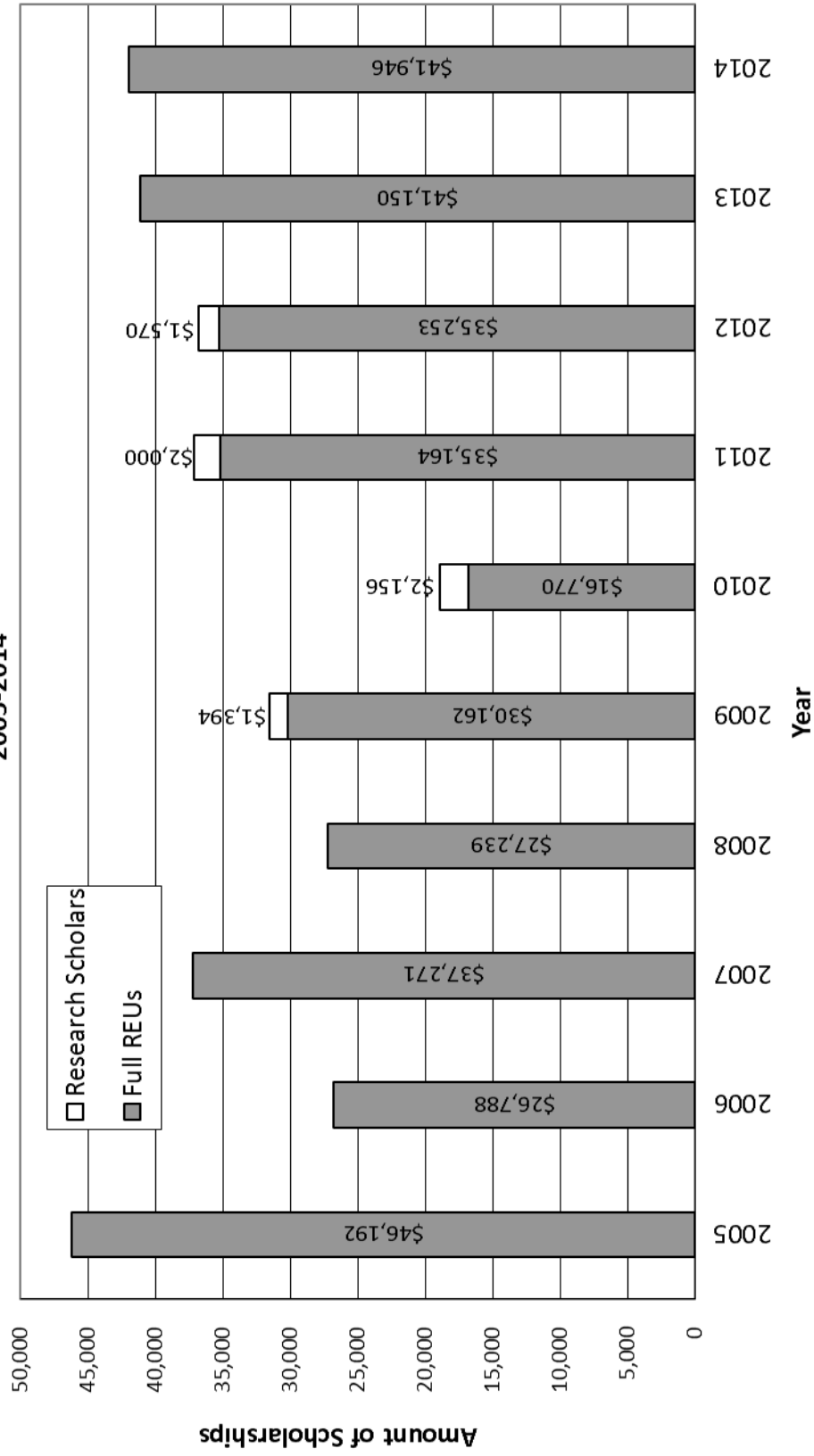


FIGURE 14

**Total Value of REU Scholarships Awarded to College Participants in the
Stone Laboratory Summer College Program
2005-2014**



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TABLE 1

**Stone Laboratory Staff
2006**

Administration

Jeffrey M. Reutter	Director
Eugene C. Braig	Assistant Director
Bonita C. Cordi	Office Associate (until 11-4-06)
Michael S. Dixon	Director, Maintenance, Facilities Operations and Development (FOD)
Kelly L. Dress	Laboratory Office Associate, Put-in-Bay
John R. Hageman	Laboratory Manager, Put-in-Bay
Jill Jentes Banicki	Communications Coordinator
John R. Kleberg	Student Affairs Supervisor
Steven A. Kremer	Assistant Vice President, Student Affairs
Shanny O'Rourke	Manager, University Housing Put-in-Bay
Arleen N. Pineda	Program Coordinator
Matt A. Thomas	Assistant Laboratory Manager, Put-in-Bay
John L. Tripp	Business Manager

Teaching Faculty

Thomas B. Bridgeman	EEOB 125- <i>Introductory Aquatic Biology</i>	July 2 - July 8
"	EEOB 125- <i>Introductory Aquatic Biology</i>	July 23 - July 29
David A. Culver	EEOB 694- <i>Biocomplexity: Large Lake-Human Interactions</i>	Aug 6 - Aug 12
Rosanne W. Fortner	Nat Res 611- <i>Great Lakes Education Workshop</i>	June 18 - June 24
"	Nat Res 614- <i>Marine and Aquatic Education</i>	June 11 - June 17
John R. Hageman	EEOB 692- <i>Ichthyoplankton Identification Workshop</i>	June 25
Michael A. Hoggarth	EEOB 651- <i>Field Zoology</i>	June 18 - July 19
Joseph R. Holomuzki	EEOB 785- <i>Stream Ecology for Teachers (at OWC)</i>	July 9 - July 15
Elena G. Irwin	AEDE 694.05- <i>Biocomplexity: Large Lake-Human Interactions</i>	Aug 6 - Aug 12
Douglas D. Kane	EEOB 652- <i>Limnology</i>	July 20 - Aug 19
"	EEOB 694- <i>Field Ecology</i>	June 11 - June 17
Lawrence A. Krissek	Geological Sciences 107- <i>Field-Based Introduction to Oceanography</i>	June 25 - July 1
"	Geological Sciences 583.03- <i>Geologic Setting of Lake Erie</i>	July 15 - July 21
"	Geological Sciences 584- <i>Prin. of Oceanography for Science Teachers</i>	July 2 - July 8
Lisa Kutschbach-Brohl	EEOB 694- <i>Local Flora for Teachers</i>	July 9 - July 15
David L. Moore	EEOB 611- <i>Aquatic and Wetland Flora</i>	July 20 - Aug 19
Erin L. Quinlan	EEOB 621- <i>Ichthyology</i>	June 18 - July 19
Paul G. Rodewald	EEOB 126- <i>Introduction to the Study of Birds</i>	June 11 - June 17
Scott D. Shalaway	EEOB 522- <i>Ornithology for Teachers</i>	June 25 - July 1
Frederic L. Snyder	EEOB 125- <i>Introductory Aquatic Biology</i>	July 30 - Aug 5
"	EDU PAES 140.07- <i>Lake Erie Sport Fishing</i>	June 11 - July 17
"	Workshop- <i>Lake Erie Sport Fishing Workshop</i>	July 21 - July 23
Kristin M. Stanford	EEOB 693- <i>Individual Studies in Herpetology</i>	June 11 - June 17
R. Christopher Stanton	Entomology 126- <i>Introductory Insect Biology</i>	June 18 - June 24
Lance R. Williams	Nat Res 694- <i>Exp. Design in Ecology and Nat Res Management</i>	July 30 - Aug 11
Marsha G. Williams	Nat Res 694- <i>Exp. Design in Ecology and Nat Res Management</i>	July 30 - Aug 11

Table 1 - 2006 cont'd

Supervisors for Research Experience for Undergraduates		
---	--	--

Joseph Conroy	Ohio State University	Limnology
David Culver	Ohio State University	Limnology
Douglas Kane	Ohio State University	Limnology
Kristin Stanford	Northern Illinois University	Herpetology
Christopher Winslow	Bowling Green State University	Fisheries

Graduate Teaching Associates		
-------------------------------------	--	--

Justin Chaffin ¹	Limnology	Term 2
Elizabeth Demyanick	Field-Based Introduction to Oceanography	Week 4
"	Geologic Setting of Lake Erie	Week 7
Peter DeWitt*	Lake Erie Sport Fishing	Week 2
Andrea Lovejoy	Introductory Insect Biology	Week 3
Jennifer Olson	Introductory Aquatic Biology	Week 5
"	Introductory Aquatic Biology	Week 8
"	Introductory Aquatic Biology	Week 9
Joy Pietkiewicz	Field Zoology	Term 1
Aparna Sathyanarayan	Biocomplexity: Large Lake-Human Interactions	Week 10
Michael Sovic	Field Ecology	Week 2
"	Ichthyology	Term 1

*non-graduate Ohio State University teaching associate

¹ also enrolled in Stone Laboratory core courses

Student Research Assistants (also enrolled in Stone Laboratory courses)	
--	--

Justin Evans	Research Assistant – Term 1, MWF
Erica Hubbert	Research Assistant – Term 1, TRS
Tyler Lawson	Research Assistant – Term 2, TRS
James O'Connor	Research Assistant – Term 1, MWF (Charlie Morin Research Fellow)

Student Assistants (also enrolled in Stone Laboratory courses)	
---	--

Jacob Davidson	Laboratory – Term 2, MWF
Lindsey Martin	Bookstore/Librarian – Term 1
Wesley Parquette	Laboratory – Term 1, MWF
Sarah Tondra	Laboratory – Term 1, TRS
Brian Tornabene	Laboratory – Term 1, MWF

Office, Technical, Facilities Operations and Development, and University Housing Staff

Nancy Cruickshank	Donor and Alumni Relations and Publications Manager
Allen J. Duff	Boat Captain and Building Maintenance Superintendent, FOD, Put-in-Bay
Carol Ferguson	Bookstore/Librarian (Term 2), Stone Lab, Put-in-Bay
Robin Glauser	Cook, University Housing, Put-in-Bay
Bruce Leach	Biological Sciences/Pharmacy Librarian
Patrick Myers	Assistant Manager, University Housing, Put-in-Bay
George Oommen	Computer Technical Support, Columbus
Karen Simpson	Bookstore/Librarian (Term 2), Stone Lab, Put-in-Bay
Mark J. Wilhelm	Maintenance Repair Worker, FOD, Put-in-Bay
Art L. Wolf	Boat Captain and Plant Maintenance Engineer, FOD, Put-in-Bay

R.A. Staff for University Housing, Put-in-Bay

Jessica Boor
 John Braatz
 Andrew Cronarcher
 Katy Smith
 Eric Emch

Workshop Assistants

	<u>Season of Employment</u>		
Lisa Brohl	spring	-----	fall
Dante Cordi	spring	-----	fall
Carol Ferguson	spring	summer	fall
James Park	spring	-----	fall
Karen Riddle	spring	-----	fall
Karen Simpson	spring	summer	----

TABLE 2

**Stone Laboratory Staff
2007**

Administration

Jeffrey M. Reutter	Director
Eugene C. Braig	Assistant Director
Michael S. Dixon	Director, Maintenance, Facilities Operations and Development (FOD)
Kelly L. Dress	Office Manager, Stone Lab and University Housing, Put-in-Bay
John R. Hageman	Laboratory Manager, Put-in-Bay
Jill Jentes Banicki	Assistant Director and Communications Coordinator
John R. Kleberg	Student Affairs Supervisor (Until September 30, 2007)
Ronald T. Kochendoerfer	Director, University Housing (Until July 31, 2007)
Linda M. Koschoreck	Director, University Housing (Beginning August 1, 2007)
Steven A. Kremer	Assistant Vice President, Student Affairs (Until August 1, 2007)
Shanny O'Rourke	Manager, University Housing, Put-in-Bay
Arleen N. Pineda	Program Coordinator
Davin M. Riley	Office Associate (Beginning January 16, 2007)
Matt A. Thomas	Assistant Laboratory Manager, Put-in-Bay
John L. Tripp	Business Manager

Teaching Faculty

Ian Adams	NonCredit-Lake Erie Islands Photography Workshop	June 8 - June 10
Kristin K. Arend	EEOB 621-Ichthyology	June 17 - July 18
Richard A. Bradley	EEOB 694-Spider Biology	July 8 - July 14
Joseph D. Conroy	EEOB 125-Introductory Aquatic Biology	July 22 - July 28
Ferenc A. de Szalay	ENTOMOL 612-Aquatic Entomology	July 19 - Aug 18
William J. Edwards	EEOB 652-Limnology	July 19 - Aug 18
Rosanne W. Fortner	ENR 611-Great Lakes Education Workshop	June 10 - June 16
"	ENR 614-Marine and Aquatic Education	June 17 - June 23
John E. Gannon	EEOB 653-Fish Ecology	July 19 - Aug 18
John R. Hageman	EEOB 692-Ichthyoplankton Identification Workshop	June 24
Michael A. Hoggarth	EEOB 651-Field Zoology	June 17 - July 18
Joseph R. Holomuzki	EEOB 785-Stream Ecology for Teachers (at OWC)	July 8 - July 14
David J. Horn	ENTOMOL 126-Introductory Insect Biology	Sept 13 - Sept 18
David J. Jude	EEOB 653-Fish Ecology	July 19 - Aug 18
Douglas D. Kane	EEOB 413.03-Introduction to Ecology	June 17 - July 18
"	EEOB 513-Field Ecology	Aug 5 - Aug 11
Lawrence A. Krissek	GEOL SCI 107-Field-Based Introduction to Oceanography	June 24 - June 30
"	GEOL SCI 583.03-Geologic Setting of Lake Erie	July 14 - July 20
"	GEOL SCI 584-Principles of Oceanography for Educators	July 1 - July 7
Lisa A. Kutschbach-Brohl	EEOB 511-Local Flora for Teachers	July 29 - Aug 4
"	EEOB 110-Introduction to Local Flora	July 8 - July 14
Lyndsey M. Manzo	ENR 611-Great Lakes Education Workshop	June 10 - June 16
James S. Marshall	EEOB 400-Evolution	June 17 - July 18
Sally A. Miller	PLNT PTH 685-Diagnostic Field Plant Pathology	Aug 12 - Aug 22
Amanda D. Rodewald	EEOB 126-Introduction to the Study of Birds	June 10 - June 16
Paul G. Rodewald	EEOB 126-Introduction to the Study of Birds	June 10 - June 16

Table 2 – 2007 cont'd

Teaching Faculty cont'd		
--------------------------------	--	--

Frederic L. Snyder	EDU PAES 140.07- <i>Lake Erie Sport Fishing</i>	June 10 - June 16
"	EEOB 125- <i>Introductory Aquatic Biology</i>	July 29 - Aug 4
"	EEOB 125- <i>Introductory Aquatic Biology</i>	Sept 13 - Sept 18
"	NonCredit- <i>Lake Erie Sport Fishing Workshop</i>	June 8 - June 10
Kristin M. Stanford	EEOB 694- <i>Field Herpetology</i>	June 10 - June 16
R.Chris Stanton	ENTOMOL 126- <i>Introductory Insect Biology</i>	June 17 - June 23
Geoffrey B. Steinhart	EEOB 621- <i>Ichthyology</i>	June 17 - July 18
Christopher J. Winslow	EEOB 125- <i>Introductory Aquatic Biology</i>	July 1 - July 7

Supervisors for Research Experience for Undergraduates		
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Joseph Conroy	Ohio State University	Limnology
David Culver	Ohio State University	Limnology
Douglas Kane	Defiance College	Entomology
Kristin Stanford	Northern Illinois University	Herpetology
Matt Thomas	Ohio State University	Fisheries
Matt Thomas	Ohio State University	Herpetology
Christopher Winslow	Bowling Green State University	Fisheries

Graduate Teaching Associates		
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Abbey Chrystal	Field-Based Introduction to Oceanography	Week 4
"	Principles of Oceanography for Educators	Week 5
William Flanagan*	Field Herpetology	Week 2
Chia Lin	Evolution	Term 1
Jessica Miesel	Introduction to Evolution	Term 1
Jennifer Olson	Introductory Aquatic Biology	Week 5
"	Introductory Aquatic Biology	Week 8
"	Introductory Aquatic Biology	Week 9
Kelly Riesen*	Lake Erie Sport Fishing Workshop	Week 1 (3 days)
"	Lake Erie Sport Fishing	Week 2
Jennifer Sander	Limnology	Term 2
Miles Spathelf	Field Zoology	Term 1
"	Field Ecology	Week 10

*non-graduate Ohio State University teaching associate

Student Research/Lab Assistants (also enrolled in Stone Laboratory courses)	
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Ami Aerni	Term 2, MWF
Meagan Carter	Term 1, MWF
Max Castorani	Term 2, MWF
Paul Hartzog	Term 1, MWF
Nikki Hochstetler	Term 1, TRS (Charlie Morin Research Fellow)
Thomas Macy	Term 1, TRS

Brittany Smith	Term 2, TRS
John Tallman	Term 1, TRS; Term 2, TRS
Matt Williams	Term 2, TRS

Student Assistants (also enrolled in Stone Laboratory courses)

Mary Koziura	Term 1 and Term 2, Variable Schedule	Lab Assistant
Jason Murray	Term 2, MWF	Bookstore/Library Assist.
Megan Nims	Term 1, MWF	Bookstore/Library Assist.
Adric Olson	Term 1, TRS	Bookstore/Library Assist.

Office, Technical, Facilities Operations and Development, and University Housing Staff

Greg Alys worth	Graphic Designer
Ann Auger	Staff, University Housing, Put-in-Bay
Nancy Cruickshank	Donor and Alumni Relations and Publications Manager
Allen J. Duff	Boat Captain and Building Maintenance Superintendent, FOD, Put-in-Bay
Carol Ferguson	Office Assistant, Stone Laboratory, Put-in-Bay
Robin Glauser	Staff, University Housing, Put-in-Bay
Bruce Leach	Biological Sciences/Pharmacy Librarian
Patrick Myers	Assistant Manager, University Housing, Put-in-Bay
Shanny O'Rourke	Manager, University Housing, Put-in-Bay
George Oommen	System Engineer, Columbus
Mark J. Wilhelm	Maintenance Repair Worker, FOD, Put-in-Bay
Art L. Wolf	Boat Captain and Plant Maintenance Engineer, FOD, Put-in-Bay

R.A. Staff for University Housing, Put-in-Bay

Jessica Boor
Derron Borders
Samantha Dress
Jordan Janoski
Caleb Kingsley
Zach Kremer
Laura Thornhill

Workshop Assistants

	<u>Season of Employment</u>		
Lisa Brohl	spring	summer	fall
Carol Ferguson	spring	summer	fall
Tory Gabriel	spring	summer	fall
Jen Hemmert	spring	summer	fall
James Park	spring	summer	fall

TABLE 3

**Stone Laboratory Staff
2008**

Administration

Jeffrey M. Reutter	Director
Eugene C. Braig	Assistant Director
Kelly L. Dress	Office Manager, Stone Lab and University Housing, Put-in-Bay
John R. Hageman	Laboratory Manager, Put-in-Bay
Jill Jentes Banicki	Assistant Director and Communications Coordinator
Shanny O'Rourke	Manager, University Housing, Put-in-Bay (until 16 August 2008)
Arleen N. Pineda	Program Coordinator
Davin M. Riley	Office Associate
Rick Shaffer	Fiscal/HR Manager
Matt A. Thomas	Assistant Laboratory Manager, Put-in-Bay
John L. Tripp	Business Manager until November 2008, then Accountant

Teaching Faculty

Mr. Ian Adams	NonCredit-Lake Erie Islands Photography Workshop	June 6 - June 8
Dr. Kristin K. Arend	EEOB 621- <i>Ichthyology</i>	June 15 - July 16
Dr. Darren L. Bade	EEOB 652- <i>Limnology</i>	July 17 - Aug 16
Dr. Rosanne W. Fortner	NonCredit-Using Real-time Aquatic Data in the <i>Science Classroom</i>	July 14 - July 17
"	ENR 693- <i>Curriculum Dev and Eval for Great Lakes and Environmental Education</i>	June 22 - June 28
Dr. John E. Gannon	EEOB 653- <i>Fish Ecology</i>	July 17 - Aug 16
Mr. John R. Hageman	EEOB 692- <i>Ichthyoplankton Identification Workshop</i>	June 22
Dr. Michael A. Hoggarth	EEOB 651- <i>Field Zoology</i>	June 15 - July 16
Dr. Joseph R. Holomuzki	EEOB 785- <i>Stream Ecology for Teachers (at OWC)</i>	July 6 - July 12
Dr. David J. Horn	ENTOMOL 126- <i>Introductory Insect Biology</i>	May 29 - June 4
"	ENTOMOL 520- <i>Insect Biology for Teachers</i>	July 20 - July 26
Dr. David J. Jude	EEOB 653- <i>Fish Ecology</i>	July 17 - Aug 16
Dr. Shelley A. Judge	EARTHSCI 107- <i>Field-Based Intro to Oceanography</i>	May 29 - June 4
Dr. Douglas D. Kane	EEOB 513- <i>Field Ecology</i>	July 20 - July 26
"	EEOB 413.03- <i>Introduction to Ecology</i>	June 15 - July 16
Dr. Lawrence A. Krissek	EARTHSCI 583.03- <i>Geologic Setting of Lake Erie</i>	July 12 - July 18
"	EARTHSCI 584- <i>Principles of Oceanography for Educators</i>	June 15 - June 21
"	EARTHSCI 107- <i>Field-Based Intro to Oceanography</i>	June 29 - July 5
Ms. Lisa A. Kutschbach-Brohl	EEOB 511- <i>Local Flora for Teachers</i>	July 27 - Aug 2
Dr. James S. Marshall	EEOB 400- <i>Evolution</i>	June 15 - July 16
"	EEOB 440- <i>Introductory Ethology</i>	July 17 - Aug 16
Dr. Amanda D. Rodewald	EEOB 126- <i>Introduction to the Study of Birds</i>	June 8 - June 14
Dr. Paul G. Rodewald	EEOB 126- <i>Introduction to the Study of Birds</i>	June 8 - June 14

Table 3 – 2008 cont'd

Teaching Faculty cont'd		
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Mr. Frederic L. Snyder	NonCredit- <i>Lake Erie Sport Fishing Workshop</i>	July 12 - July 14
"	EEOB 125- <i>Introductory Aquatic Biology</i>	Aug 3 - Aug 9
"	EDU PAES 140.05- <i>Lake Erie Sport Fishing</i>	June 8 - June 14
Ms. Kristin M. Stanford	EEOB 694- <i>Field Herpetology</i>	June 8 - June 14
Dr. R. Christopher Stanton	ENTOMOL 126- <i>Introductory Insect Biology</i>	June 15 - June 21
Mr. Christopher J. Winslow	EEOB 125- <i>Introductory Aquatic Biology</i>	June 22 - June 28
"	EEOB 125- <i>Introductory Aquatic Biology</i>	July 27 - Aug 2
Dr. David A. Zuwerink	EEOB 440- <i>Introductory Ethology</i>	July 17 - Aug 16

Supervisors for Research Experience for Undergraduates		
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Darren Bade	Kent State University	Limnology
Douglas Kane	Defiance College	Entomology
Douglas Kane	Defiance College	Limnology
James Marshall	Denison University	Ornithology
Kristin Stanford	Northern Illinois University	Herpetology
Christopher Winslow	Bowling Green State University	Fisheries

Graduate Teaching Associates		
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Christina Back	Limnology	Term 2
Joni Criswell	Introductory Ethology	Term 2
Anthony Fries	Introductory Aquatic Biology	Week 9
"	Introductory Aquatic Biology	Week 10
Tory Gabriel*	Lake Erie Sport Fishing	Week 2
Katherine Greenwald	Field Herpetology	Week 2
Jonathan Hall	Field Zoology	Term 1
"	Field Ecology	Week 8
Diana Rodriguez	Introduction to Ecology	Term 1
Michael Sovic	Fish Ecology	Term 2
Benjamin Sylak*	Introductory Aquatic Biology	Week 4
"	Evolution	Term 1
Branwen Williams	Field-Based Introduction to Oceanography	Week 5
Metro School Staff*	Field-Based Introduction to Oceanography	May 29 - June 4
Metro School Staff*	Introductory Insect Biology	May 29 - June 4

*non-graduate Ohio State University teaching associate

Table 3 – 2008 cont'd

Student Assistants (also enrolled in Stone Laboratory courses)

Melissa Cheung	Lab Assistant	Term 1, MWF
Nicholas Conley	Research Assistant (Collections Curator)	Term 1, MWF
Caleb Conrad	Lab Assistant	Term 1, TRS; Term 2, MWF
Molly Gallagher	Research Assistant	Term 2, TRS
Steven Gratz	Research Assistant	Term 2, MWF
Timothy Malinich	Research Assistant (Collections Curator)	Term 2, TRS
Amy Miller	Research Assistant	Term 1, MWF
Jason Murray	Library/Bookstore Assistant	Term 1, MWF
Adric Olson	Research Assistant	Term 1, MWF
Adric Olson	Library/Bookstore Assistant	Term 2, TRS
Matthew Shanks	Lab Assistant	Term 1, TRS; Term 2, TRS

Office, Technical, Facilities Operations and Development, and University Housing Staff

Greg Alys worth	Graphic Designer
Ann Auger	Staff, University Housing, Put-in-Bay
Nancy Cruickshank	Donor and Alumni Relations and Publications Manager
Allen J. Duff	Boat Captain and Building Maintenance Superintendent, FOD, Put-in-Bay
Carol Ferguson	Office Assistant, Stone Laboratory, Put-in-Bay
Robin Glauser	Staff, University Housing, Put-in-Bay
Bruce Leach	Biological Sciences/Pharmacy Librarian
Shanny O'Rourke	Manager, University Housing, Put-in-Bay (until 16 August 2008)
George Oommen	System Engineer, Columbus
Mark J. Wilhelm	Maintenance Repair Worker, FOD, Put-in-Bay
Art L. Wolf	Boat Captain and Plant Maintenance Engineer, FOD, Put-in-Bay

Workshop Assistants

Megan Eckardt
 Lisa Kutschbach-Brohl
 Sarah Norman
 Caitlin Riley
 Benjamin Sylak

TABLE 4

**Stone Laboratory Staff
2009**

Administration

Jeffrey M. Reutter	Director
Eugene C. Braig	Assistant Director
Kelly L. Dress	Office Administrative Associate, Put-in-Bay
John R. Hageman	Laboratory Co-Manager, Put-in-Bay
Jill Jentes Banicki	Assistant Director, Communications Coordinator
Sarah Norman	Assistant Lab Manager
Arleen N. Pineda	Program Coordinator
Rick L. Shaffer	Fiscal/HR Manager
Matt A. Thomas	Laboratory Co-Manager, Put-in-Bay
John L. Tripp	Accountant

Teaching Faculty

Dr. Darren L. Bade	EEOB 652- <i>Limnology</i>	June 21 - July 22
Mr. Eugene C. Braig	NonCredit- <i>Fish-Sampling Techniques Workshop</i>	Oct 3 - Oct 4
Dr. Rosanne W. Fortner	NonCredit- <i>COSEE Great Lakes: Lake Erie Education Workshop</i>	July 20 - July 24
"	ENR 690- <i>Global Change Education</i>	June 14 - June 20
Dr. John E. Gannon	EEOB 653- <i>Fish Ecology</i>	July 23 - Aug 22
Dr. Katherine R. Greenwald	EEOB 622- <i>Field Herpetology</i>	June 14 - June 20
Mr. John R. Hageman	EEOB 692- <i>Ichthyoplankton Identification Workshop</i>	June 28
Dr. Michael A. Hoggarth	EEOB 651- <i>Field Zoology</i>	June 21 - July 22
Dr. Joseph R. Holomuzki	EEOB 785- <i>Stream Ecology for Teachers</i>	July 5 - July 11
Dr. David J. Jude	EEOB 653- <i>Fish Ecology</i>	July 23 - Aug 22
Dr. Douglas D. Kane	NonCredit- <i>Plankton Identification Workshop</i>	June 6 - June 7
"	EEOB 503.03- <i>Introduction to Ecology</i>	June 21 - July 22
"	EEOB 513- <i>Field Ecology</i>	July 26 - Aug 1
Dr. Lawrence A. Krissek	EARTHSCI 107- <i>Field-Based Intro to Oceanography</i>	July 5 - July 11
"	EARTHSCI 583.03- <i>Geologic Setting of Lake Erie</i>	July 18 - July 24
Ms. Lisa A. Kutschbach-Brohl	EEOB 511- <i>Local Flora for Teachers</i>	June 28 - July 4
Dr. Rex L. Lowe	NonCredit- <i>Algae Identification Workshop</i>	Aug 15 - Aug 16
"	NonCredit- <i>Algae Identification Workshop</i>	Aug 17 - Aug 18
Dr. James S. Marshall	EEOB 400- <i>Evolution</i>	June 21 - July 22
"	EEOB 440- <i>Introductory Ethology</i>	July 23 - Aug 22
Dr. Jeffrey M. Reutter	ENR 799- <i>Current Topics in Environment and Engr</i>	June 18 - July 16
"	ENR 799- <i>Current Topics in Environment and Engr</i>	July 30 - Aug 13
Dr. Amanda D. Rodewald	ENR 230- <i>Ecology and Conservation of Birds</i>	June 14 - June 20
Dr. Paul G. Rodewald	ENR 230- <i>Ecology and Conservation of Birds</i>	June 14 - June 20
Mr. Frederic L. Snyder	NonCredit- <i>Lake Erie Sport Fishing Workshop</i>	June 5 - June 7
"	EDU PAES 140.05- <i>Lake Erie Sport Fishing</i>	June 14 - June 20
"	EEOB 125- <i>Introductory Aquatic Biology</i>	June 28 - July 4
"	EEOB 125- <i>Introductory Aquatic Biology</i>	July 26 - Aug 1

Table 4 – 2009 cont'd

Teaching Faculty cont'd

Kristin M. Stanford	EEOB 622- <i>Field Herpetology</i>	June 14 - June 20
Dr. R. Christopher Stanton	ENTOMOL 126- <i>Introductory Insect Biology</i>	June 21 - June 27
Dr. Geoff Steinhart	EEOB 621- <i>Ichthyology</i>	June 21 - July 22
Dr. Carmen E. Trisler	ENTOMOL 612- <i>Aquatic Entomology</i>	July 23 - Aug 22
Dr. Branwen M. Williams	EARTHSCI 584- <i>Prin of Oceanography for Educators</i>	June 21 - June 27
Christopher J. Winslow	EEOB 125- <i>Introductory Aquatic Biology</i>	Aug 9 - Aug 15
Dr. David A. Zuwerink	EEOB 440- <i>Introductory Ethology</i>	July 23 - Aug 22

Supervisors for Research Experience for Undergraduates

Darren Bade	Kent State University	Limnology
Creighton Freeman	Ohio State University	Biological Curation
Douglas Kane	Defiance College	Entomology
Marc Kibbey	Ohio State University	Biological Curation
James Marshall	Denison University	Ornithology
Kristin Stanford	Northern Illinois University	Herpetology
Martin Stapanian	United States Geological Survey	Fisheries
Geoff Steinhart	Lake Superior State University	Fisheries
Christopher Vandergoot	Ohio Department of Natural Resources	Fisheries

Graduate Teaching Associates

Alyssa Bancroft	Principles of Oceanography for Educators	Week 3
"	Field-Based Introduction to Oceanography	Week 5
Elisabeth Calhoon	Field Ecology	Week 8
Michael Murphy*	Lake Erie Sport Fishing	Week 2
Jennifer Wollschlager	Introductory Aquatic Biology	Week 4
"	Introductory Aquatic Biology	Week 8
"	Introductory Aquatic Biology	Week 10

*non-graduate Ohio State University teaching associate

Student Assistants (also enrolled in Stone Laboratory courses)

Jon Bossley	Term 1, TRS; Term 2, TRS
Kathryn Everson	Term 1, MWF
Conner Fox	Term 1, TRS
James Kaz	Term 2, MWF
Gary Klase	Term 1, TRS
Matthew Kneitel	Term 1, MWF
Tyler Lawson	Term 1, TRS; Term 2, MWF
Allison McKimm	Term 1, MWF
Mark Miller	Term 1, TRS; Term 2, TRS
Quinn Miller	Term 2, MWF
Caleb Schlegel	Term 1, TRS

National Park Service Internship (also enrolled in Stone Laboratory courses)

Mary Koziura
Michael Young

Office and Technical Staff

Greg Alys worth	Graphic Designer
Ann Auger	Dining Hall and Housing Staff
Russ Brohl	Boat Operator, Put-in-Bay
Nancy Cruickshank	Donor and Alumni Relations and Publications Manager
Allen J. Duff	Boat Operator, Put-in-Bay
Carol Ferguson	Office Assistant, Stone Laboratory
Robin Glauser	Operations Associate, Dining and Housekeeping, Put-in-Bay
Bruce Leach	Biological Sciences/Pharmacy Librarian
Amy Loy	Hospitality Intern
Lyndsey Manzo	Education and Outreach Assistant
George Oommen	System Engineer, Columbus
Wayne Weber	Operations Associate, Maintenance, Put-in-Bay
Mark J. Wilhelm	Operations Associate, Landscaping and Grounds, Put-in-Bay
Art L. Wolf	Operations Associate, Boats and Facilities, Put-in-Bay

Field Station Assistants

Jessica Kirkham
Sara Matthews
Amy Miller
Caitlin Riley
Brian Tornabene
Jennifer Yi

TABLE 5

**Stone Laboratory Staff
2010**

Administration

Jeffrey M. Reutter	Director
Eugene C. Braig	Assistant Director
Kelly L. Dress	Office Administrative Associate, Put-in-Bay
Bryan Ford	Business Manager (Beginning 11/15/10)
John R. Hageman	Laboratory Co-Manager, Put-in-Bay
Jill Jentes Banicki	Assistant Director, Communications Coordinator
Arleen N. Pineda	Program Coordinator
Rick L. Shaffer	Fiscal/HR Manager (until 9/30/10)
Doris Smith	HR, Fiscal, and Travel Coordinator (beginning 8/23/10)
Matt A. Thomas	Laboratory Co-Manager, Put-in-Bay
John L. Tripp	Accountant
Kristin M. Stanford	Education and Outreach Coordinator
Tyler Lawson	Assistant Lab Manager

Teaching Faculty

Dr. Darren L. Bade	EEOB 652- <i>Limnology</i>	July 22 - Aug 21
Dr. Amy Braccia	ENTOMOL 612- <i>Aquatic Entomology</i>	July 22 - Aug 21
Mr. Eugene C. Braig	NonCredit- <i>Fish-Sampling Techniques Workshop</i>	Oct 2 - Oct 3
Dr. Rosanne W. Fortner	ENR 690- <i>Teaching with Google Earth and Google Ocean</i>	Aug 15 - Aug 21
Mr. Tory A. Gabriel	EDU PAES 140.05- <i>Lake Erie Sport Fishing</i>	June 13 - June 19
"	NonCredit- <i>Lake Erie Sport Fishing Workshop</i>	June 11 - June 13
Ms. Katherine R. Greenwald	EEOB 622- <i>Field Herpetology</i>	June 13 - June 19
Mr. John R. Hageman	EEOB 692- <i>Ichthyoplankton Identification Workshop</i>	June 27
Dr. David A. Hart	ENR 690- <i>Teaching with Google Earth and Google Ocean</i>	Aug 15 - Aug 21
Dr. Michael A. Hoggarth	EEOB 651- <i>Field Zoology</i>	June 20 - July 21
Dr. Douglas D. Kane	EEOB 503.03- <i>Introduction to Ecology</i>	June 20 - July 21
"	EEOB 652- <i>Limnology</i>	July 22 - Aug 21
Dr. Lawrence A. Krissek	EARTHSCI 107- <i>Field-Based Intro to Oceanography</i>	July 4 - July 10
"	EARTHSCI 583.03- <i>Geologic Setting of Lake Erie</i>	July 17 - July 23
"	EARTHSCI 584- <i>Prin of Oceanography for Educators</i>	June 27 - July 3
Mr. Richard C. Lorenz	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 9 - Aug 10
Dr. Rex L. Lowe	EEOB 692- <i>Algae Identification Workshop</i>	Aug 2 - Aug 3
"	EEOB 692- <i>Algae Identification Workshop</i>	Aug 4 - Aug 5
Dr. James S. Marshall	EEOB 400- <i>Evolution</i>	June 20 - July 21
Dr. Jeffrey M. Reutter	ENR 799- <i>Current Topics in Environment and Engr</i>	June 17 - July 15
"	ENR 799- <i>Current Topics in Environment and Engr</i>	July 29 - Aug 12
Dr. Dean A. Reynolds	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 9 - Aug 10
Mr. Benjamin A. Rich	NonCredit- <i>Fish-Sampling Techniques Workshop</i>	Oct 2 - Oct 3
Dr. Amanda D. Rodewald	ENR 230- <i>Ecology and Conservation of Birds</i>	June 13 - June 19
Dr. Paul G. Rodewald	ENR 230- <i>Ecology and Conservation of Birds</i>	June 13 - June 19

Table 5 – 2010 cont'd

Dr. Thomas P. Simon	EEOB 621- <i>Ichthyology</i>	June 20 - July 21
Mr. Frederic L. Snyder	EEOB 125- <i>Introductory Aquatic Biology</i>	Aug 8 - Aug 14
"	EDU PAES 140.05- <i>Lake Erie Sport Fishing</i>	June 13 - June 19
"	NonCredit- <i>Lake Erie Sport Fishing Workshop</i>	June 11 - June 13
Ms. Kristin M. Stanford	EEOB 622- <i>Field Herpetology</i>	June 13 - June 19
Dr. R. Christopher Stanton	ENTOMOL 126- <i>Introductory Insect Biology</i>	June 20 - June 26
Dr. Rick Stumpf	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 9 - Aug 10
Dr. Andrew C. Vitz	EEOB 513- <i>Field Ecology</i>	July 25 - July 31
Dr. Harold W. Walker	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 9 - Aug 10
Mr. Eric Weimer	NonCredit- <i>Fish-Sampling Techniques Workshop</i>	Oct 2 - Oct 3
Dr. Christopher J. Winslow	EEOB 125- <i>Introductory Aquatic Biology</i>	July 11 - July 17
"	EEOB 125- <i>Introductory Aquatic Biology</i>	July 25 - July 31

Supervisors for Research Experience for Undergraduates

Douglas Kane	Defiance College	Biological Curation
Douglas Kane	Defiance College	Entomology
Douglas Kane	Defiance College	Limnology
Marc Kibbey	Ohio State University	Biological Curation
James Marshall	Rockford College	Ornithology
Mick Micacchion	Ohio Environmental Protection Agency	Herpetology
Thomas Simon	Indiana State University	Fisheries
Thomas Simon	Indiana State University	Fisheries
Martin Stapanian	United States Geological Survey	Fisheries
Christopher Vandergoot	Ohio Department of Natural Resources	Fisheries

Graduate Teaching Associates

Jonathan Hall	Field Zoology	Term 1
Lara Mettrione	Evolution	Term 1
Mark Peter	Prin of Oceanography for Educators	Week 4
"	Field-Based Introduction to Oceanography	Week 5
Michael Sovic	Ichthyology	Term 1
Jennifer Wollschlager	Introductory Aquatic Biology	Week 6
"	Introductory Aquatic Biology	Week 8
"	Introductory Aquatic Biology	Week 10
Andrew Yoak	Introduction to Ecology	Term 1

*non-graduate Ohio State University teaching associate

Student Lab Assistants (also enrolled in Stone Laboratory courses)

Sarah Adams	Laboratory Assistant	Term 1, TRS; Term 2, TRS
Jonathan Angel	Laboratory Assistant	Term 1, TRS
Jeremy Capetillo	Library/Bookstore Assistant	Term 1, MWF
Travis Cline	Laboratory Assistant	Term 1, MWF
Evelyn Jasinek	Laboratory Assistant	Term 1, MWF
Jordan Jenkins	Laboratory Assistant	Term 1, TRS
Lydia Kindig	Library/Bookstore Assistant	Term 1, TRS
"	Laboratory Assistant	Term 2, TRS
Erin Moran	Laboratory Assistant	Term 2, MWF
Mary Schababerle	Laboratory Assistant	Term 1, MWF; Term 2, TRS
Christina Visocky	Laboratory Assistant	Term 2, TRS
Ryan Wiens	Laboratory Assistant	Term 1, TRS
Stephanie Wilker	Laboratory Assistant	Term 1, MWF

National Park Service Internship (also enrolled in Stone Laboratory courses)

Nicholas Cooper	Term 1, TRS; Term 2, TRS
Megan Schuster	Term 1, MWF; Term 2, MWF

Office and Technical Staff

Greg Alysworth	Graphic Designer
Shane Anderson	Aquatic Visitors Center Coordinator
Ann Auger	Dining Hall and Housing Staff
Russ Brohl	Boat Operator, Put-in-Bay
Nancy Cruickshank	Donor and Alumni Relations and Publications Manager
Allen J. Duff	Boat Operator, Put-in-Bay
Kathryn Everson	Kitchen/Housing Staff
Robin Glauser	Dining and Housing Coordinator
Bruce Leach	Biological Sciences/Pharmacy Librarian
Lyndsey Manzo	Education and Outreach Assistant
George Oommen	System Engineer, Columbus
Wayne Weber	Operations Associate, Maintenance, Put-in-Bay
Megan Webster	Hospitality Intern
Mark J. Wilhelm	Operations Associate, Landscaping and Grounds, Put-in-Bay
Art L. Wolf	Operations Associate, Boats and Facilities, Put-in-Bay
Laura Yamsek	Business Associate, Put-in-Bay

Field Station Assistants

Shannon Doherty
Amy Kruzer
Timothy Malinich
Amy Miller
Julie Miller
Quinn Miller
Caitlin Riley

TABLE 6

**Stone Laboratory Staff
2011**

Administration

Jeffrey M. Reutter	Director
Eugene C. Braig	Assistant Director (until December 31)
Christopher J. Winslow	Assistant Director (Beginning December 11, 2011)
Kelly L. Dress	Office Administrative Associate, Put-in-Bay
Bryan Ford	Business Manager
John R. Hageman	Laboratory Co-Manager (retired August 31, 2011)
Jill Jentes Banicki	Assistant Director, Communications Coordinator
Arleen N. Pineda	Program Coordinator
Doris Smith	HR, Fiscal, and Travel Coordinator
Matt A. Thomas	Laboratory Co-Manager, Put-in-Bay
John L. Tripp	Accountant
Kristin M. Stanford	Education and Outreach Coordinator
Tyler Lawson	Assistant Lab Manager

Teaching Faculty

Dr. Darren L. Bade	EEOB 652- <i>Limnology</i>	July 21 - Aug 20
Mr. Eugene C. Braig	NonCredit- <i>Fish-Sampling Techniques Workshop</i>	Oct 8 - Oct 9
Dr. Jeremy T. Bruskotter	NonCredit- <i>Outdoor Photography Workshop</i>	July 22 - July 24
Mr. Jim Doty	NonCredit- <i>Outdoor Photography Workshop</i>	July 22 - July 24
Dr. Rosanne W. Fortner	ENR 690- <i>Climate Change Education</i>	June 19 - June 25
Mr. Tory A. Gabriel	NonCredit- <i>Lake Erie Sport Fishing Workshop</i>	June 10 - June 12
"	EDU PAES-140.05 <i>Lake Erie Sport Fishing</i>	June 12 - June 18
Ms. Katherine R. Greenwald	EEOB 622- <i>Field Herpetology</i>	June 12 - June 18
Mr. John R. Hageman	EEOB 692- <i>Ichthyoplankton Identification Workshop</i>	June 26
Dr. Michael A. Hoggarth	EEOB 651- <i>Field Zoology</i>	June 19 - July 20
Dr. David J. Horn	ENTOMOL 126- <i>Introductory Insect Biology</i>	July 31 - Aug 6
Dr. Douglas D. Kane	EEOB 503.03- <i>Introduction to Ecology</i>	June 19 - July 20
"	EEOB 513- <i>Field Ecology</i>	July 24 - July 30
Dr. Lawrence A. Krissek	EARTHSCI 107- <i>Field-Based Intro to Oceanography</i>	July 3 - July 9
"	EARTHSCI 583.03- <i>Geologic Setting of Lake Erie</i>	July 30 - Aug 5
"	EARTHSCI 584- <i>Prin of Oceanography for Educators</i>	June 26 - July 2
Mr. Richard C. Lorenz	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 8 - Aug 9
Dr. Rex L. Lowe	EEOB 692- <i>Algae Identification Workshop</i>	Aug 1 - Aug 2
Ms. Lyndsey M. Manzo	ENR 690- <i>Climate Change Education</i>	June 19 - June 25
Dr. James S. Marshall	EEOB 400- <i>Evolution</i>	June 19 - July 20
Ms. Linda A. Merchant-Masonbrink	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 8 - Aug 9
Ms. Heather A. Raymond	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 8 - Aug 9
Dr. Jeffrey M. Reutter	ENR 799- <i>Current Topics in Environment and Engr</i>	July 28 - Aug 11
"	ENR 799- <i>Current Topics in Environment and Engr</i>	June 16 - July 14

Table 6 – 2011 cont'd

Dr. Dean A. Reynolds	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 8 - Aug 9
Mr. Benjamin A. Rich	NonCredit- <i>Fish-Sampling Techniques Workshop</i>	Oct 8 - Oct 9
Dr. Paul G. Rodewald	ENR 230- <i>Ecology and Conservation of Birds</i>	June 12 - June 18
Dr. Amanda D. Rodewald	ENR 230- <i>Ecology and Conservation of Birds</i>	June 12 - June 18
Dr. Thomas P. Simon	EEOB 621- <i>Ichthyology</i> Jun 19 - Jul 20	
Mr. Frederic L. Snyder	NonCredit- <i>Lake Erie Sport Fishing Workshop</i>	June 10 - June 12
"	EDU PAES 140.05- <i>Lake Erie Sport Fishing</i>	June 12 - June 18
"	EEOB 125- <i>Introductory Aquatic Biology</i>	Aug 7 - Aug 13
Ms. Kristin M. Stanford	EEOB 622- <i>Field Herpetology</i>	June 12 - June 18
Mr. Rick Stumpf	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 8 - Aug 9
Mr. Thomas M. Sudman	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 8 - Aug 9
Dr. Harold W. Walker	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 8 - Aug 9
Mr. Eric Weimer	NonCredit- <i>Fish-Sampling Techniques Workshop</i>	Oct 8 - Oct 9
Dr. Christopher J. Winslow	EEOB 125- <i>Introductory Aquatic Biology</i>	July 10 - July 16
"	EEOB 125- <i>Introductory Aquatic Biology</i>	July 24 - July 30

Supervisors for Research Experience for Undergraduates

Darren Bade	Kent State University	Limnology
Douglas Kane	Defiance College	Limnology
Mark Kibbey	Ohio State University	Biological Curation
Richard Kraus	United States Geological Survey	Fisheries
James Marshall	Rockford College	Ornithology
Sarah Opfer	Ohio State University	Marine debris
Thomas Simon	Indiana State University	Fisheries
Kristin Stanford	Wittenberg University	Herpetology
Christopher Vandergoot	Ohio Department of Natural Resources	Fisheries

Graduate Teaching Associates

Jeremy Alberts	Limnology	Term 2
Sarah Cusser	Introduction to Ecology	Term 1
"	Field Ecology	Week 8
Jonathan Hall	Field Zoology	Term 1
"	Introductory Aquatic Biology	Week 8
Kevin Hart*	Introductory Aquatic Biology	Week 10, MTRF
Tyler Lawson*	Introductory Aquatic Biology	Week 10, WS
Lawrence Long	Introductory Insect Biology	Week 9
Jennifer Noland	Introductory Aquatic Biology	Week 6
Mark Peter	Prin of Oceanography for Educators	Week 4
"	Field-Based Introduction to Oceanography	Week 5
David Tomashefski	Evolution	Term 1

*non-graduate Ohio State University teaching associate

Student Lab Assistants (also enrolled in Stone Laboratory courses)

Benjamin Barker	Term 1, MWF
Reed Brodrik	Term 1, MWF
Ruben Castillo	Term 2, MWF
Sarah Focht	Term 1, MWF
Ashley Johnston	Term 2, MWF.
Thomas Knight	Term 1, TRS and Term 2, MWF
Amy Kramer	Term 1, MWF
Benjamin Leonhardt	Term 1, MWF
Samantha Spence	Term 2, MWF
Amber Walden	Term 1, TRS
Amanda Wright	Term 2, MWF
Elizabeth Zebrowski	Term 1, TRS and Term 2, MWF

National Park Service Internship (also enrolled in Stone Laboratory courses)

Alyssa Perrin	Term 2
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Office and Technical Staff

Greg Alysworth	Graphic Designer
Katherine Anderson	Hospitality Intern
Shane Anderson	Aquatic Visitors Center Coordinator
Russ Brohl	Boat Operator, Put-in-Bay
Nancy Cruickshank	Donor and Alumni Relations and Publications Manager
Allen J. Duff	Boat Operator, Put-in-Bay
Robin Glauser	Dining and Housing Coordinator
Katherine Graff	Office Business Assistant
Bruce Leach	Biological Sciences/Pharmacy Librarian
Lyndsey Manzo	Education and Outreach Assistant
George Oommen	System Engineer, Columbus
Laura Potts	Hospitality Intern
Jon Scarpelli	Operations Associate, Maintenance, Put-in-Bay
Terrence Thompson	Assistant Information Technology, Columbus
Wayne Weber	Operations Associate, Maintenance, Put-in-Bay
Mark J. Wilhelm	Operations Associate, Landscaping and Grounds, Put-in-Bay (retired 8/31/11)
Art L. Wolf	Operations Associate, Boats, and Facilities, Put-in-Bay

Field Station Assistants

Jason Buckley
Kevin Hart
Nicole King
Colton Plumb
Thomas Rains
Mary Schababerle

TABLE 7

**Stone Laboratory Staff
2012**

Administration

Jeffrey M. Reutter	Director
Christopher J. Winslow	Assistant Director
Kelly L. Dress	Office Administrative Associate, Put-in-Bay
Bryan S. Ford	Business Manager
Jill Jentes Banicki	Assistant Director, Communications Coordinator
Justin Chaffin	Research Coordinator and Water Quality Lab Manager
Kevin Hart	Assistant Lab Manager
Grace Hicks	HR, Fiscal, and Travel Coordinator (beginning 11/7/12)
Arleen N. Pineda	Program Coordinator
Doris Smith	HR, Fiscal, and Travel Coordinator (until 9/9/12)
Matt A. Thomas	Laboratory Manager, Put-in-Bay
John L. Tripp	Accountant
Kristin M. Stanford	Education and Outreach Coordinator

Teaching Faculty

Dr. Darren L. Bade	EEOB 5420- <i>Ecology of Inland Waters</i>	June 17 - July 21
Dr. Marja H. Bakermans	ENR 2360- <i>Ecology and Conservation of Birds</i>	June 10 - June 16
Dr. Richard A. Bradley	EEOB 5210- <i>Spider Biology</i>	June 10 - June 16
Mr. Eugene C. Braig	NonCredit- <i>Fish-Sampling Techniques Workshop</i>	Sept 15 - Sept 16
Dr. Jeremy T. Bruskotter	NonCredit- <i>Outdoor Photography Workshop</i>	Aug 10 - Aug 12
Mr. Jim Doty	NonCredit- <i>Outdoor Photography Workshop</i>	Aug 10 - Aug 12
Dr. William J. Edwards	EEOB 3189- <i>Field Course: Environmental Science on the Flagship "Brig Niagara"</i>	July 11 - July 31
Dr. Rosanne W. Fortner	ENR 5690- <i>Climate Change Education</i>	July 22 - July 28
Mr. Tory A. Gabriel	EDUPAES 1140.05- <i>Lake Erie Sport Fishing</i>	June 10 - June 16
"	NonCredit- <i>Lake Erie Sport Fishing Workshop</i>	Aug 10 - Aug 12
Mr. Thomas J. Georg	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 9 - Aug 10
Dr. Katherine R. Greenwald	EEOB 5910- <i>Field Herpetology</i>	June 10 - June 16
Mr. John R. Hageman	EEOB 5970- <i>Larval Fish Identification Workshop</i>	June 24
Dr. Rachel S. Hintz	ENR 5194- <i>Group Studies: Climate and Sustainability</i>	July 29 - Aug 4
Dr. Michael A. Hoggarth	EEOB 5940- <i>Field Zoology</i>	June 17 - July 21
Dr. David J. Horn	ENTMLGY 1260- <i>Introductory Insect Field Biology</i>	July 29 - Aug 4
Dr. Douglas D. Kane	EEOB 3410- <i>Ecology</i>	June 17 - July 21
"	EEOB 4950- <i>Field Ecology</i>	July 22 - July 28
Dr. Lawrence A. Krissek	EARTHSC 1107- <i>Field-Based Intro to Oceanography</i>	July 22 - July 28
"	EARTHSC 5189.05- <i>Geologic Setting of Lake Erie</i>	June 16 - June 22
Ms. Lisa A. Kutschbach-Brohl	EEOB 1910- <i>Intro to Biological Studies-Local Plants</i>	July 29 - Aug 4
Mr. Richard C. Lorenz	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 9 - Aug 10
Dr. Rex L. Lowe	EEOB 5950- <i>Algae Identification Workshop</i>	Aug 6 - Aug 7
Ms. Lyndsey M. Manzo	ENR 5690- <i>Climate Change Education</i>	July 22 - July 28

Table 7 – 2012 cont'd

Dr. James S. Marshall	EEOB 3310- <i>Evolution</i>	June 17 - July 21
Ms. Linda A. Merchant-Masonbrink	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 9 - Aug 10
Dr. Richard H. Moore	ENR 5194- <i>Group Studies: Climate and Sustainability</i>	July 29 - Aug 4
Mr. Mark E. Peter	EARTHSC 5584- <i>Prin of Oceanography for Educators</i>	July 29 - Aug 4
Ms. Heather A. Raymond	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 9 - Aug 10
Ms. Mandy Razzano	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 9 - Aug 10
Dr. Jeffrey M. Reutter	ENR 5699- <i>Current Topics in Environment and Engr</i>	June 14 - Aug 2
Dr. Dean A. Reynolds	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 9 - Aug 10
Mr. Benjamin A. Rich	NonCredit- <i>Fish-Sampling Techniques Workshop</i>	Sept 15 - Sept 16
Dr. Thomas P. Simon	EEOB 5930- <i>Ichthyology</i>	June 17 - July 21
Mr. Frederic L. Snyder	NonCredit- <i>Lake Erie Sport Fishing Workshop</i>	Aug 10 - Aug 12
"	EDUPAES 1140.05- <i>Lake Erie Sport Fishing</i>	June 10 - June 16
Dr. Kristin M. Stanford	EEOB 5910- <i>Field Herpetology</i>	June 10 - June 16
Dr. Harold W. Walker	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 9 - Aug 10
Mr. Eric Weimer	NonCredit- <i>Fish-Sampling Techniques Workshop</i>	Sept 15 - Sept 16
Dr. Christopher J. Winslow	EEOB 1930- <i>Intro to Biological Studies-Aquatic Biology</i>	June 10 - June 16
"	EEOB 1930- <i>Intro to Biological Studies-Aquatic Biology</i>	July 22 - July 28
"	EEOB 1930- <i>Intro to Biological Studies-Aquatic Biology</i>	July 29 - Aug 4

Supervisors for Research Experience for Undergraduates

Darren Bade	Kent State University	Limnology
Douglas Kane	Defiance College	Limnology
Marc Kibbey	Ohio State University	Biological Curation
Richard Kraus	United States Geological Survey	Fisheries
James Marshall	Rockford College	Ornithology
Thomas Simon	Indiana State University	Fisheries
Kristin Stanford	Northern Illinois University	Herpetology
Matt Thomas	Ohio State University	Herpetology
Christopher Vandergoot	Ohio Department of Natural Resources	Fisheries
Christopher Winslow	Ohio State University	Limnology

Graduate Teaching Associates

Kelly Best	Principles of Oceanography for Educators	Week 8
Thomas Evans	Introduction to Biological Studies – Aquatic Biology	Week 1
"	Introduction to Biological Studies – Aquatic Biology	Week 8
Heather Fair	Field Zoology	5-Week Session
Tina Larson*	Algae Identification Workshop	2 Days
Wendy Perry*	Fish-Sampling Techniques Workshop	2 Days
Mark Peter	Field-Based Introduction to Oceanography	Week 7
Andrew Phillips*	Fish-Sampling Techniques Workshop	2 Days

Sarah Smiley	Spider Biology	Week 1
"	Evolution	5-Week Session
"	Introduction to Biological Studies – Aquatic Biology	Week 7
Andrew Sudimack	Ecology and Conservation of Birds	Week 1
"	Ichthyology	5-Week Session

*non-graduate Ohio State University teaching associate

Student Assistants during Five-Week Session (also enrolled in Stone Laboratory courses)

Emily Govern	TRS
Stephanie Malinich	MWF
Erin Monaco	MWF
Meghan Moser	TRS
Andrea Nagy	MWF
Evan Salcido	MWF
Christine Siluk	MWF
Chelsea Vretenar	TRS
Samuel Zinamon	TRS

National Park Service Internship (also enrolled in Stone Laboratory courses)

Michael Shields

Office and Technical Staff

Greg Alys worth	Graphic Designer
Shane Anderson	Aquatic Visitors Center Coordinator
Russ Brohl	Boat Operator, Put-in-Bay
Nancy Cruickshank	Donor and Alumni Relations and Publications Manager
Allen J. Duff	Boat Operator, Put-in-Bay
Robin Glauser	Operations Associate, Dining and Housekeeping, Put-in-Bay
Katherine Graff	Business Intern
Bruce Leach	Biological Sciences/Pharmacy Librarian
Mathew Malvic	Hospitality Intern
Lyndsey Manzo	Education and Outreach Assistant
George Oommen	System Engineer, Columbus
Sharon Rodriguez	Hospitality Intern
Jon Scarpelli	Operations Associate, Maintenance, Put-in-Bay
Terrence Thompson	Assistant Information Technology, Columbus
Wayne Weber	Operations Associate, Maintenance, Put-in-Bay
Art L. Wolf	Operations Associate, Boats, and Facilities, Put-in-Bay

Field Station Assistants

Jason Buckley
Nick Cooper
Emily Freeman
Kaitlin Hollenbeck
Mark Jepson
Jackie Taylor

TABLE 8

**Stone Laboratory Staff
2013**

Administration

Jeffrey M. Reutter	Director
Christopher J. Winslow	Assistant Director
Kelly L. Dress	Office Administrative Associate, Put-in-Bay
Bryan S. Ford	Business Manager
Jill Jentes Banicki	Assistant Director and Communications Coordinator
Justin Chaffin	Research Coordinator and Water Quality Lab Manager
Kevin Hart	Assistant Lab Manager
Grace Hicks	HR, Fiscal, and Travel Coordinator
Arleen N. Pineda	Program Coordinator
Kristin M. Stanford	Education and Outreach Coordinator
Matt A. Thomas	Laboratory Manager, Put-in-Bay
John L. Tripp	Accountant

Teaching Faculty

Dr. Darren L. Bade	EEOB 5420- <i>Ecology of Inland Waters</i>	June 16 - July 20
Dr. Richard A. Bradley	EEOB 5210- <i>Spider Biology</i>	June 9 - June 15
Mr. Eugene C. Braig	NonCredit- <i>Fish-Sampling Techniques Workshop</i>	Sept 14 - Sept 15
Dr. Jeremy T. Bruskotter	NonCredit- <i>Outdoor Photography Workshop</i>	Aug 9 - Aug 11
Dr. Justin D. Chaffin	EEOB 1930- <i>Intro to Biological Studies-Aquatic Biology</i>	July 28 - Aug 3
Mr. Jim Doty	NonCredit- <i>Outdoor Photography Workshop</i>	Aug 9 - Aug 11
Dr. William J. Edwards	EEOB 3189- <i>Field Course: Environmental Science on the Flagship "Brig Niagara"</i>	May 18 - June 7
Dr. Rosanne W. Fortner	ENR 5611- <i>Great Lakes Education Workshop</i>	July 21 - July 27
Mr. Tory A. Gabriel	KNSFHP 1140.05- <i>Lake Erie Sport Fishing</i>	June 9 - June 15
Mr. John R. Hageman	EEOB 5970- <i>Larval Fish Identification Workshop</i>	July 14
Dr. Michael A. Hoggarth	EEOB 5940- <i>Field Zoology</i>	June 16 - July 20
Mr. Todd E. Hone	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 7 - Aug 8
Dr. David J. Horn	ENTMLGY 1260- <i>Introductory Insect Field Biology</i>	July 28 - Aug 3
Dr. Douglas D. Kane	EEOB 3410- <i>Ecology</i>	June 16 - July 20
"	EEOB 4950- <i>Field Ecology</i>	July 21 - July 27
Dr. Laura J. Kearns	ENR 2360- <i>Ecology and Conservation of Birds</i>	June 9 - June 15
Dr. Lawrence A. Krissek	EARTHSC 5584- <i>Prin of Oceanography for Educators</i>	June 28 - Aug 3
"	EARTHSC 5189.05- <i>Geologic Setting of Lake Erie</i>	June 7 - June 13
"	EARTHSC 1107- <i>Field-Based Intro to Oceanography</i>	July 21 - July 27
Ms. Lisa A. Kutschbach-Brohl	EEOB 1910- <i>Intro to Biological Studies-Local Plants</i>	July 28 - Aug 3
Mr. Richard C. Lorenz	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 7 - Aug 8
Dr. Rex L. Lowe	EEOB 5950- <i>Algae Identification Workshop</i>	Aug 5 - Aug 6
Ms. Lyndsey M. Manzo	ENR 5611- <i>Great Lakes Education Workshop</i>	July 21 - July 27
Dr. James S. Marshall	EEOB 3310- <i>Evolution</i>	June 16 - July 20

Table 8 – 2013 cont'd

Ms. Linda A. Merchant-Masonbrink	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 7 - Aug 8
Dr. Lauren M. Pintor	EEOB 1930- <i>Intro to Biological Studies-Aquatic Biology</i>	July 21 - July 27
Ms. Heather A. Raymond	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 7 - Aug 8
Mr. Benjamin A. Rich	NonCredit- <i>Fish-Sampling Techniques Workshop</i>	Sep 14 - Sep 15
Dr. Thomas P. Simon	EEOB 5930- <i>Ichthyology</i>	June 16 - July 20
Mr. Frederic L. Snyder	KNSFHP 1140.05- <i>Lake Erie Sport Fishing</i>	June 9 - June 15
Dr. Kristin M. Stanford	EEOB 5910- <i>Field Herpetology</i>	June 9 - June 15
Dr. Rick Stumpf	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 7 - Aug 8
Dr. Harold W. Walker	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 7 - Aug 8
Mr. Eric Weimer	NonCredit- <i>Fish-Sampling Techniques Workshop</i>	Sep 14 - Sep 15
Dr. Christopher J. Winslow	EEOB 1930- <i>Intro to Biological Studies-Aquatic Biology</i>	June 9 - June 15
"	ENR 5699- <i>Current Topics in Environment and Engr</i>	June 13 - Aug 1

Supervisors for Research Experience for Undergraduates

Darren Bade	Kent State University	Limnology
Justin Chaffin	University of Toledo	Limnology
Douglas Kane	Defiance College	Limnology
Richard Kraus	United States Geological Survey	Fisheries
James Marshall	Rockford College	Ornithology
Thomas Simon	Indiana State University	Ichthyology
Kristin Stanford	Northern Illinois University	Herpetology
Christopher Vandergoot	Ohio Department of Natural Resources	Fisheries

Graduate Teaching Associates

Amber Bellamy	Aquatic Ecosystems–Ecology of Inland Waters	Term
Sarah Bowman	Field Zoology	Term
Justin Chaffin	Algae Identification Workshop	2 Days
Courtney Darrington	Introductory Insect Field Biology	Week 8
Laura Kenyon	Introduction to Biological Studies –Local Plants	Week 8
Eric McCluskey	Introduction to Biological Studies – Aquatic Biology	Week 1
Mark Peter	Field-Based Introduction to Oceanography	Week 7
Brandon Sinn	Ecology	Term
Sarah Smiley	Introduction to Biological Studies – Aquatic Biology	Week 7
"	Introduction to Biological Studies – Aquatic Biology	Week 8

Student Assistants during Five-Week Session (also enrolled in Stone Laboratory courses)

Adam Ares	MWF
Cynthia Carnicom	MWF
Natalie Ellison	MWF
Mackenzie Hendrock	TRS
Ryan Rehmer	MWF
Elaine Stingel	TRS
Paige Wiechman	TRS

Office and Technical Staff

Morris Allison	Website and Database Associate
Sue Bixler	Education and Outreach Associate
Justin Chaffin	Research Coordinator, Put-in-Bay
Nancy Cruickshank	Donor and Alumni Relations and Publications Manager
Christina Dierkes	Assistant Editor
Greg Genheimer	Operations Associate, Boats, and Facilities, Put-in-Bay (beginning 5/6/13)
Robin Glauser	Dining Hall and Housing Manager, Put-in-Bay
Angela Green	Education and Outreach Associate
Bruce Leach	Biological Sciences/Pharmacy Librarian
Lyndsey Manzo	Sea Grant Education Coordinator
George Oommen	Website and Database Manager
Jon Scarpelli	Operations Associate, Maintenance, Put-in-Bay
Terry Thompson	IT Hardware
Wayne Weber	Operations Associate, Maintenance, Put-in-Bay
Katherine Wertenbach	Office Assistant, Put-in-Bay
Art L. Wolf	Operations Associate, Boats, and Facilities, Put-in-Bay

Field Station Assistants

Emily Freeman
 Ben Leonhardt
 Nathan Ramey
 Jackie Taylor
 Chelsea Vretenar
 Elizabeth Zebrowski

TABLE 9

**Stone Laboratory Staff
2014**

Administration

Jeffrey M. Reutter	Director
Kelly L. Dress	Office Administrative Associate, Put-in-Bay
Bryan S. Ford	Business Manager
Kristen DeVanna Fussell	Executive Assistant
Jill Jentes Banicki	Assistant Director and Communications Coordinator
Arleen N. Pineda	Program Coordinator
Kristin M. Stanford	Education and Outreach Coordinator
Matt A. Thomas	Laboratory Manager, Put-in-Bay
John L. Tripp	Office Associate
Christopher J. Winslow	Associate Director

Teaching Faculty

Dr. Darren L. Bade	EEOB 5420- <i>Aquatic Ecosystems – Ecology of Inland Waters</i>	June 22 - July 26
Mr. Eugene C. Braig	NonCredit- <i>Aquatic Invasive Species Hazard Analysis and Critical Control Point</i>	Aug 3 -Aug 5
“	NonCredit- <i>Fish-Sampling Techniques Workshop</i>	Oct 11 - Oct 12
Dr. Jeremy T. Bruskotter	NonCredit- <i>Outdoor Photography Workshop</i>	Aug 15 - Aug 17
Dr. Justin D. Chaffin	EEOB 1930- <i>Introduction to Biological Studies – Aquatic Biology</i>	July 27 - Aug 2
Mr. Jim Doty	NonCredit- <i>Outdoor Photography Workshop</i>	Aug 15 - Aug 17
Mr. Nicholas R. Dugan	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 13 - Aug 14
Dr. William J. Edwards	EEOB 3189- <i>Field Course: Environmental Science on the Flagship "Brig Niagara"</i>	June 10 – July 4
Dr. Rosanne W. Fortner	ENR 5614- <i>Marine and Aquatic Education</i>	Aug 3 - Aug 9
Mr. Tory A. Gabriel	KNSFHP 1140.05- <i>Lake Erie Sport Fishing</i>	June 15 - June 21
“	NonCredit- <i>Aquatic Invasive Species-Hazard Analysis and Critical Control Point</i>	Aug 3 -Aug 5
Mr. John R. Hageman	EEOB 5970- <i>Larval Fish Identification Workshop</i>	June 29
Dr. Michael A. Hoggarth	EEOB 5940- <i>Field Zoology</i>	June 22 - July 26
Dr. David J. Horn	ENTMLGY 1260- <i>Introductory Insect Field Biology</i>	July 27 - Aug 2
Dr. Douglas D. Kane	EEOB 3410- <i>Ecology</i>	June 22 - July 26
“	EEOB 4950- <i>Field Ecology</i>	July 27 - Aug 2
Dr. Laura J. Kearns	ENR 2360- <i>Ecology and Conservation of Birds</i>	June 15 - June 21
Dr. Lawrence A. Krissek	EARTHSC 5189.05- <i>Geologic Setting of Lake Erie</i>	June 7 - June 13
“	EARTHSC 5584- <i>Principles of Oceanography for Educators</i>	June 15 - June 21
“	EARTHSC 1107- <i>Field-Based Introduction to Oceanography</i>	July 27 - Aug 2
Mr. Richard C. Lorenz	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 13 - Aug 14

Table 9 – 2014 cont'd

Dr. Rex L. Lowe	EEOB 5950- <i>Algae Identification Workshop</i>	Aug 11 - Aug 12
Dr. James S. Marshall	EEOB 3310- <i>Evolution</i>	June 22 - July 26
Dr. Jay F. Martin	ENR 5194- <i>Group Studies: Climate and Sustainability</i>	Aug 3 - Aug 9
Ms. Linda A. Merchant-Masonbrink	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 13 - Aug 14
Dr. Richard H. Moore	ENR 5194- <i>Group Studies: Climate and Sustainability</i>	Aug 3 - Aug 9
Mrs. Sarah A. Orlando	NonCredit- <i>Aquatic Invasive Species-Hazard Analysis and Critical Control Point</i>	Aug 3 - Aug 5
Dr. Susan Pasko	NonCredit- <i>Aquatic Invasive Species-Hazard Analysis and Critical Control Point</i>	Aug 3 - Aug 5
Dr. Lauren M. Pintor	EEOB 1930- <i>Introduction to Biological Studies-Aquatic Biology</i>	June 15 - June 21
Ms. Heather A. Raymond	NonCredit- <i>Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds</i>	Aug 13 - Aug 14
Mr. Benjamin A. Rich	NonCredit- <i>Fish-Sampling Techniques Workshop</i>	Oct 11 - Oct 12
Dr. Thomas P. Simon	EEOB 5930- <i>Ichthyology</i>	June 22 - July 26
Mr. Frederic L. Snyder	KNSFHP 1140.05- <i>Lake Erie Sport Fishing</i>	June 15 - June 21
Dr. Kristin M. Stanford	EEOB 5910- <i>Field Herpetology</i>	June 15 - June 21
Mr. Matt A. Thomas	EEOB 3189- <i>Field Course: Environmental Science on the Flagship "Brig Niagara"</i>	June 10 - July 4
Mr. Eric Weimer	NonCredit- <i>Fish-Sampling Techniques Workshop</i>	Oct 11 - Oct 12
Dr. Robyn S. Wilson	ENR 5194- <i>Group Studies: Climate and Sustainability</i>	Aug 3 - Aug 9
Dr. Christopher J. Winslow	ENR 5699- <i>Current Topics in Environment and Engineering</i>	June 19 - Aug 7
"	EEOB 1930- <i>Introduction to Biological Studies – Aquatic Biology</i>	Aug 3 - Aug 9
Mr. Douglas E. Wynn	EEOB 5910- <i>Field Herpetology</i>	June 15 - June 21

Supervisors for Research Experience for Undergraduates

Darren Bade	Kent State University	Limnology
Justin Chaffin	University of Toledo	Limnology
Douglas Kane	Defiance College	Limnology
James Marshall	Rockford College	Ornithology
Thomas Simon	Indiana State University	Ichthyology
Kristin Stanford	Northern Illinois University/Ohio State University	Herpetology
Geoffrey Steinhart	Ohio State University	Fisheries
Christopher Vandergoot	Ohio Department of Natural Resources	Fisheries

Graduate Teaching Associates

Justin Chaffin*	Algae Identification Workshop	2 Days
"	Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds	2 Days
Angela Greene*	Marine and Aquatic Education	Week 8
Jennifer Harrison*	Group Studies: Climate and Sustainability	Week 8
Alexander Heeren*	Group Studies: Climate and Sustainability	Week 8
Laura Kenyon	Introductory Insect Field Biology	Week 7
Isaac Ligocki	Field Zoology	Term
Cassandra May	Introduction to Biological Studies – Aquatic Biology	Week 7

Ryan McCarthy	Field Ecology	Week 7
Eric McCluskey	Introduction to Biological Studies – Aquatic Biology	Week 1
“	Introduction to Biological Studies – Aquatic Biology	Week 8
Samuel McCoy*	Field Herpetology	Week 1
Mark Peter	Field-Based Introduction to Oceanography	Week 7
Andrew Phillips*	Fish-Sampling Techniques Workshop	2 days
Ieva Roznere	Aquatic Ecosystems – Ecology of Inland Waters	Term
Brandon Sinn	Ecology	Term

*non-graduate Ohio State University teaching associate

Student Assistants during Five-Week Session (also enrolled in Stone Laboratory courses)
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Destiny Allen	TRS
Alex Boyes	MWF
Olivia Cleek	TRS
Brin Kessinger	TRS
Marissa Lauer	TRS
Katherine White	MWF

Office and Technical Staff

Morris Allison	Website and Database Associate
Sue Bixler	Education and Outreach Assistant
Briana Boron	Hospitality Coordinator
Justin Chaffin	Research Coordinator, Put-in-Bay
Nancy Cruickshank	Development Coordinator and Grants & Publications Manager
Christina Dierkes	Assistant Editor
Craig Genheimer	Operations Associate, Boats, and Facilities, Put-in-Bay
Robin Glauser	Dining Hall and Housing Manager, Put-in-Bay
Lois Gonzales	Hospitality Coordinator
Angela Green	Education and Outreach Assistant
Kevin Hart	Assistant Lab Manager, Put-in-Bay
Jennifer Heemeyer	Research Assistant
Grace Hicks	Financial Associate
Bruce Leach	Biological Sciences/Pharmacy Librarian
Lyndsey Manzo	Education and Outreach Assistant
George Oommen	Website and Database Manager
Lisa Rice	Communication and Marketing Specialist
Jon Scarpelli	Operations Associate, Boats, and Facilities, Put-in-Bay
Terry Thompson	IT Hardware
Katherine Wertenbach	Office Assistant, Put-in-Bay
Art Wolf	Operations Associate, Boats, and Facilities, Put-in-Bay
Briana Zellner	Research Assistant

Field Station Assistants

Chase Baldwin
Kathleen Burns
Kelsey Dick
Nicole Haas
Corinne Meinert
Nathaniel Ramey
Tyler Steube
Jacqueline Taylor

TABLE 10

**Stone Laboratory Curriculum
2006**

AEDE 694.05 • Biocomplexity: Large Lake - Human Interactions

Week 10, August 6-12 Dr. Elena Irwin, *Ohio State University*, and others
A case-study based course that will address theories of judgment and decision-making as they relate to Great Lakes issues. Cross-listed course with EEOB 694. 3 undergraduate/graduate credit hours.

EDU PAES 140.07 • Lake Erie Sport Fishing

Week 2, June 11-17 Mr. Frederic L. Snyder, *Ohio State University*
This physical education course is an introduction to techniques and equipment used in Lake Erie sport fishing featuring Lake Erie angling trips with lectures that include related aquatic science information. 3 undergraduate credit hours.

EEOB 125 • Introductory Aquatic Biology

Week 5, July 2-8 Dr. Thomas B. Bridgeman, *University of Toledo*
Week 8, June 23-29 Dr. Thomas B. Bridgeman, *University of Toledo*
Week 9, July 30-August 5 Mr. Frederic L. Snyder, *Ohio State University*
An introduction to the components of the ecosystem in freshwater aquatic environments. 3 undergraduate credit hours.

EEOB 126 • Introduction to the Study of Birds

Week 2, June 11-17 Drs. Amanda D. and Paul G. Rodewald, *Ohio State University*
An introduction to ornithology including bird identification, behavior and ecology with an emphasis on field techniques. 3 undergraduate credit hours.

EEOB 400 • Evolution

CANCELLED

Term 2, July 20-August 19, TRS..... Dr. Christopher L. Caprette, *Ohio Northern University*
Basic conceptual issues and processes in evolution with emphasis on the ecological basis of adaptation and consequences of natural selection. 5 undergraduate credit hours.

EEOB 413.03 • Introduction to Ecology

CANCELLED

Term 1, June 18-July 19, TRS..... Dr. Patrick C. Owen, *Ohio State University*
Distribution and abundance of species, population dynamics, community ecology, ecosystem dynamics, applied perspectives, and design and execution of experiments. 5 undergraduate credit hours.

EEOB 511 • Local Flora for Teachers

Week 6, July 9-15 Ms. Lisa A. Kutschbach-Brohl, *U.S. Department of Agriculture*, and
Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
A hands-on course for educators that includes botanical and identification skills, field experience, and preparation of lessons for classroom use. Not open to students with credit for EEO 110.
3 undergraduate/graduate credit hours.

EEOB 513 • Field Ecology

Week 2, June 11-17 Dr. Douglas D. Kane, *Ohio State University*
A field-based introduction to the distribution and abundance of animals and plants in pond, lake, river, marsh, beach, field, and woodland ecosystems for teachers, undergraduates and graduate students. 3 undergraduate/graduate credit hours.

EEOB 522 • Ornithology for Teachers

Week 4, June 25-July 1 Dr. Scott D. Shalaway, *Wildlife Biologist*
Field and laboratory studies of birds; discussion of birds of the world and their classification with resource material for classroom teachers and other educators. 3 undergraduate/graduate credit hours.

EEOB 611 • Aquatic and Wetland Flora

Term 2, July 20-August 19, MWF.....Dr. David L. Moore, *Utica College of Syracuse University*
Aquatic plants, other than algae, of the Great Lakes region; field and laboratory work on their identification and ecological and geographical relations. 5 Undergraduate/graduate credit hours.

EEOB 621 • Ichthyology

Term 1, June 18-July 19, MWF.....Dr. Erin L. Quinlan, *Ohio State University*
Study of the distribution and classification of fishes, which includes methods of identification, collection, and preservation. 5 undergraduate/graduate credit hours.

EEOB 651 • Field Zoology

Term 1, June 18-July 19, TRS.....Dr. Michael A. Hoggarth, *Otterbein College*
Field and laboratory identification of aquatic and terrestrial vertebrates and invertebrates of the region, in relation to habitats occupied. 5 undergraduate/graduate credit hours

EEOB 652 • Limnology

Term 2, July 20-August 19, TRS.....Dr. Douglas D. Kane, *Ohio State University*
Study of the physical, geological, chemical, and biological factors influencing freshwater life; field and laboratory techniques for determining lake morphometry, chemistry, and biological productivity are emphasized. 5 undergraduate/graduate credit hours.

EEOB 653 • Fish Ecology**CANCELLED**

Term 2, July 20-August 19, MWF.....Drs. John E. Gannon, *Intl. Joint Commission*, and
David J. Jude, *University of Michigan*
Field and laboratory studies of life histories and interspecific relationships of fishes, and of the various factors influencing their abundance. 5 undergraduate/graduate credit hours.

EEOB 692 • Ichthyoplankton Identification Workshop

One Day, Sunday, June 25, 9:00 a.m.-5:00 p.m..... Mr. John R. Hageman and
Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
This workshop takes students, agency professionals and other interested individuals through the techniques involved with the collection and identification of common larval fishes of the Lake Erie drainage basin. Graded satisfactory or unsatisfactory (S/U). May be taken as a non-credit workshop for \$300 that includes sack lunch and course materials. 1 undergraduate/graduate credit hour.

EEOB 693 • Individual Studies in Herpetology

Week 2, June 11-17 Ms. Kristen M. Stanford, *Northern Illinois University*, and
Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
Study of the distribution and classification of reptiles and amphibians of Ohio which includes methods of field research, species identification, collection, preservation, and conservation. Graded satisfactory or unsatisfactory (S/U). 3 graduate/undergraduate credit hours.

EEOB 694 • Biocomplexity: Large Lake – Human Interactions

Week 10, August 6-12 Dr. David A. Culver, *Ohio State University*, and others
A case study-based course that will address theories of judgment and decision-making as they relate to Great Lakes issues. Cross-listed course with AEDE 695.05. 3 undergraduate/graduate credit hours.

Entomology 126 • Introductory Insect Biology

Week 3, June 18-24 Dr. R. Chris Stanton, *Baldwin-Wallace College*
 Biology of insects and their relatives, with emphasis on behavior, ecology and diversity; collection is required. 3 undergraduate credit hours.

Entomology 520 • Insect Biology for Teachers**CANCELLED**

Week 8, July 23-29 Dr. David J. Horn, *Ohio State University*
 Morphology, identification, behavior, and activities in terrestrial/aquatic entomology; development of an integrated curriculum; designed for K-12 teachers. 3 undergraduate/graduate credit hours.

Geological Sciences 107 • Field-Based Introduction to Oceanography

Week 4, June 25-July 1 Dr. Lawrence A. Krissek, *Ohio State University*
 Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geologic significance. 3 undergraduate credit hours.

Geological Sciences 584 • Principles of Oceanography for Science Teachers

Week 5, July 2-8 Dr. Lawrence A. Krissek, *Ohio State University*
 Origin, development, and structure of oceanic basins and their contents; contemporary oceanic processes of geologic significance. Discussions of effective classroom presentations of oceanographic principles. Not open to students with credit for Geological Sciences 107 or 206. 3 undergraduate/graduate credit hours.

Natural Resources 510 • Natural History of Ohio**CANCELLED**

Term 1, June 18-July 19, MWF Dr. David L. Johnson, *Ohio State University*
 Field course emphasizing inter-relationship among physical and biological factors in different ecosystems; field techniques and identification skills for diverse aquatic and terrestrial habits. 5 undergraduate/graduate credit hours.

Natural Resources 614 • Marine and Aquatic Education

Week 2, June 11-17 Dr. Rosanne W. Fortner, *Ohio State University*
 Overview of oceanic and Great Lakes resources, their roles in history, climate, commerce, and culture; examination of teaching materials for formal and informal settings. 3 undergraduate/graduate credit hours.

Natural Resources 629 • Ecology and Management of Wetland Birds**CANCELLED**

Week 6, July 9-15 Dr. Robert J. Gates, *Ohio State University*
 Ecology and habitat relationships of wetland birds that inhabit the Lake Erie region. Management of the wetlands as wildlife habitat. 3 undergraduate/graduate credit hours.

Natural Resources 694 • Experimental Design in Ecology and Natural Resources Management

13 Days, July 30-August 11 Dr. Lance R. Williams and
 Ms. Marsha G. Williams, *Ohio State University*
 Introduction to experimental designs and statistics commonly used in ecology and natural resources applications. Skills gained include critical assessment of literature, design and implementation of field experiments, and analysis/presentation of data. 5 undergraduate/graduate credit hours.

Natural Resources 799 • Current Topics in Environment and Engineering

Term 1 & Term 2 Dr. Jeffrey M. Reutter, *Ohio State University*
 These seminars present research, management, and policy on Thursday evenings throughout the summer at Stone Laboratory (or on Columbus campus via video conferencing). Must attend three seminars (six lectures). Graded satisfactory or unsatisfactory (S/U). 1 undergraduate/graduate credit hour.

Natural Resources 814 • Earth Systems Education**CANCELLED**

Week 7, July 16-22.....Drs. Daniel W. Jax, *Bexley Middle School*, and
Rosanne W. Fortner (Instructor of Record), *Ohio State University*

Using Earth as a focus for interdisciplinary curricula through a systems approach. Includes local relevance and global environmental themes leading to scientific literacy. 3 graduate credit hours.

Plant Pathology 685 • Diagnostic Field Plant Pathology**CANCELLED**

Ten Days, August 13-23 Dr. Sally A. Miller, *Ohio State University*
Study of plant diseases in the field with emphasis on diagnosis and epidemiology; supplementary laboratory work. Additional prerequisite: General plant pathology course. Cost for room and meals is \$553 for the dates August 13-23. 3 undergraduate/graduate credit hours.

SPECIAL OFFERINGS:**EEOB 785 • Stream Ecology for Teachers**

Week 6, July 9-15..... Dr. Joseph R. Holomuski, *Ohio State University*
This course introduces high school teachers to hydrology, stream organisms, field techniques and experimental design in ways that can be applied in the classroom and field. Course held at Old Woman Creek, Huron, Ohio. Free lodging; students provide their own meals. 3 undergraduate/graduate credit hours.

Geological Sciences 583.03 • Geologic Setting of Lake Erie

Week 7, July 15-21..... Dr. Larry A. Krissek, *Ohio State University*
Examination of geologic features along the southern shore of Lake Erie during a week-long van trip, including an interpretation of the geologic history of Ohio in the Lake Erie basin, and an examination of relationships between human activity and the geology of the area. Class will originate from and end at the Fawcett Center in Columbus, Ohio. Cost for room, meals, and transportation during one-week long van trip will be approximately \$480. 3 undergraduate/graduate credit hours.

Natural Resources 611 • Great Lakes Education Workshop

Week 3, June 18-24..... Dr. Rosanne W. Fortner, *Ohio State University*, and
..... Ms. Anne Danielski, *Pennsylvania Sea Grant*, with
interdisciplinary research scientists

For teachers and informal educators only. Shipboard and shoreline science experiments on Lake Erie, in conjunction with EPA monitoring schedule aboard the R/V Lake Guardian. Sponsored by USEPA, NSF, and NOAA for the COSEE Great Lakes. In addition to the Stone Lab application, a special COSEE application is required for consideration of acceptance and partial financial support. No cost to participants for lodging and meals for six nights aboard the R/V Lake Guardian. 3 graduate credit hours.

Individual Studies 293/693

Qualified students may select problems in botany, entomology, microbiology, zoology or other participating departments, and may choose the instructor with whom they desire to work. 1-5 credit hours.

Research 998/999

This number is reserved for graduate students in a degree program conducting research for a M.S. thesis or Ph.D. dissertation.

Honor Course H783

This number is reserved for students in the honors program desiring to select problems in Individual Studies.

NON-CREDIT WORKSHOPS:

Lake Erie Island Photography Workshop

CANCELLED

Three Days, July 7-9.....Mr. Ian Adams
 Field photography sessions using the natural and cultural subjects unique to the Lake Erie Islands are interspersed with classroom discussions and photo critiques of each student's work. Emphasis on digital techniques. Must be at least 18 years of age and familiar with the operation of a digital camera. Student supplies own camera. Workshop fee is \$450. Cost includes room and meals for two nights and three days. Instructor's web site: www.ianadamsphotography.com.

Lake Erie Sport Fishing Workshop

Three Days, July 21-23.....Mr. Fredrick L. Snyder, *Ohio State University*
 An intensive workshop designed to give participants a background in technical concepts used by anglers with a focus on fishing experience. Stone Laboratory vessels will be used for walleye and smallmouth bass fishing; rowboats will be available during off hours for pursuit of largemouth bass and panfish. Lectures will provide background in gamefish behavior and fishing techniques. Must be at least 18 years of age. Personal fishing gear is recommended but not required. A valid Ohio fishing license must be obtained prior to arrival. Workshop fee is \$350. Cost includes room and meals for two nights and three days.

TABLE 11
**Stone Laboratory Curriculum
 2007**

EDU PAES 140.07 • Lake Erie Sport Fishing

Week 2, June 10-16 Mr. Frederic L. Snyder, *Ohio State University*
 This physical education course is an introduction to techniques and equipment used in Lake Erie sport fishing featuring Lake Erie angling trips with lectures that include related aquatic science information. 3 undergraduate credit hours.

EEOB 110 • Introduction to Local Flora

Week 6, July 8-14 Ms. Lisa A. Kutschbach-Brohl, *U.S. Department of Agriculture*
 Structures, processes, and stages of the plant life cycle; common families of flowering plants; plant geography, ecology, and conservation; and uses of plants. 3 undergraduate credit hours.

EEOB 125 • Introductory Aquatic Biology

Week 5, July 1-7 Mr. Christopher J. Winslow, *Bowling Green State University*
 Week 8, July 22-28 Mr. Joseph Conroy, *Ohio State University*
 Week 9, July 29-August 4 Mr. Frederic L. Snyder, *Ohio State University*
 Special Offering for Metro School, September 13-18 Mr. Frederic L. Snyder, *Ohio State University*
 An introduction to the components of the ecosystem in freshwater aquatic environments. 3 undergraduate credit hours.

EEOB 126 • Introduction to the Study of Birds

Week 2, June 10-16 Drs. Amanda D. and Paul G. Rodewald, *Ohio State University*
 An introduction to ornithology including bird identification, behavior and ecology with an emphasis on field techniques. 3 undergraduate credit hours.

EEOB 400 • Evolution

Term 1, June 17-July 18, MWF Dr. James S. Marshall, *DePauw University*
 Basic conceptual issues and processes in evolution with emphasis on the ecological basis of adaptation and consequences of natural selection. 5 undergraduate credit hours.

EEOB 413.03 • Introduction to Ecology

Term 1, June 17-July 18, TRS Dr. Douglas D. Kane, *Ashland University*
 Distribution and abundance of species, population dynamics, community ecology, ecosystem dynamics, applied perspectives, and design and execution of experiments. 5 undergraduate credit hours.

EEOB 511 • Local Flora for Teachers

Week 9, July 29-August 4 Ms. Lisa A. Kutschbach-Brohl, *U.S. Department of Agriculture*, and
 Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
 Basic botanical and identification skills, field experience, and preparation of lessons for classroom use with special attention given to ODE Academic Content Standards. Not open to students with credit for EEOB 110. 3 undergraduate/graduate credit hours.

EEOB 513 • Field Ecology

Week 10, August 5-11 Dr. Douglas D. Kane, *Ashland University*
 A field-based introduction to the distribution and abundance of animals and plants in pond, lake, river, marsh, beach, field, and woodland ecosystems for teachers, undergraduates, and graduate students. 3 undergraduate/graduate credit hours.

EEOB 522 • Ornithology for Teachers**CANCELLED**

Week 4, June 24-30 Dr. Scott D. Shalaway, *Wildlife Biologist*
 Field and laboratory studies of birds; discussion of birds of the world and their classification with resource material for classroom teachers and other educators. 3 undergraduate/graduate credit hours.

EEOB 621 • Ichthyology

Term 1, June 17-July 18, MWF..... Dr. Geoffrey B. Steinhart, *Lake Superior State University*, and
 Ms. Kristin Arend, *Cornell University*

Study of the distribution and classification of fishes, which includes methods of identification, collection, and preservation. 5 undergraduate/graduate credit hours.

EEOB 651 • Field Zoology

Term 1, June 17-July 18, TRS..... Dr. Michael A. Hoggarth, *Otterbein College*
 Field and laboratory identification of aquatic and terrestrial vertebrates and invertebrates of the region, in relation to habitats occupied. 5 undergraduate/graduate credit hours.

EEOB 652 • Limnology

Term 2, July 19-August 18, TRS..... Dr. William J. Edwards, *Niagara University*
 Study of the physical, geological, chemical, and biological factors influencing freshwater life; field and laboratory techniques for determining lake morphometry, chemistry, and biological productivity are emphasized. 5 undergraduate/graduate credit hours.

EEOB 653 • Fish Ecology

Term 2, July 19-August 18, MWF..... Drs. John E. Gannon, *Intl. Joint Commission*, and
 David J. Jude, *University of Michigan*

Field and laboratory studies of life histories and interspecific relationships of fishes, and of the various factors influencing their abundance. 5 undergraduate/graduate credit hours.

EEOB 692 • Ichthyoplankton Identification Workshop

One Day, Sunday, June 24, 9:00 a.m.-5:00 p.m..... Mr. John R. Hageman and
 Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*

This workshop takes students, agency professionals and other interested individuals through the techniques involved with the collection and identification of common larval fishes of the Lake Erie drainage basin. Graded satisfactory or unsatisfactory (S/U). May be taken as a non-credit workshop for \$300 that includes sack lunch and course materials. 1 undergraduate/graduate credit hour.

EEOB 694 • Field Herpetology

Week 2, June 10-16 Ms. Kristen M. Stanford, *Northern Illinois University*, and
 Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*

Study of the distribution and classification of reptiles and amphibians of Ohio which includes methods of field research, species identification, collection, preservation, and conservation. 3 undergraduate/graduate credit hours.

EEOB 694 • Spider Biology

Week 6, July 8-14..... Dr. Richard A. Bradley, *Ohio State University*

A focus on the biology of spiders including: functionality, anatomy, senses and perception, behavior, webs and web building, identification, classification and relationships, field techniques, ecology. 3 undergraduate/graduate credit hours.

Entomology 126 • Introductory Insect Biology

Week 3, June 17-23 Dr. R. Chris Stanton, *Baldwin-Wallace College*
 Special Offering for Metro School, September 13-18..... Dr. David J. Horn, *Ohio State University*
 An introduction to the biology of insects and their relatives, with emphasis on behavior, ecology and diversity; collection is required. 3 undergraduate credit hours.

Entomology 520 • Insect Biology for Teachers**CANCELLED**

Week 8, July 22-28..... Dr. David J. Horn, *Ohio State University*
 Morphology, identification, behavior, and activities in terrestrial/aquatic entomology; development of an integrated curriculum; designed for K-12 teachers. 3 undergraduate/graduate credit hours.

Entomology 612 • Aquatic Entomology

Term 2, July 19-August 18, MWF..... Dr. Ferenc A. de Szalay, *Kent State University*
 For preparation in the teaching of biology or for research on aquatic resources; emphasis on taxonomy and ecology of immature and adult aquatic insects. 5 undergraduate/graduate credit hours.

Geological Sciences 107 • Field-Based Introduction to Oceanography

Week 4, June 24-30 Dr. Lawrence A. Krissek, *Ohio State University*
 Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geologic significance. 3 undergraduate credit hours.

Geological Sciences 584 • Principles of Oceanography for Educators

Week 5, July 1-7 Dr. Lawrence A. Krissek, *Ohio State University*
 Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geological significance. Discussions of effective classroom presentations of oceanic principles. Not open to students with credit for Geological Sciences 107 or 206. 3 undergraduate/graduate credit hours.

Environment and Natural Resources 611 • Great Lakes Education Workshop

Week 2, June 10-16 Dr. Rosanne W. Fortner, *Ohio State University*, and
 Lyndsey M. Manzo, *Westerville North High School*
 Techniques and curricula for presenting interdisciplinary aspects of the oceans and Great Lakes in formal and non-formal education settings. 3 undergraduate/graduate credit hours.

Environment and Natural Resources 614 • Marine and Aquatic Education

Week 3, June 17-23 Dr. Rosanne W. Fortner, *Ohio State University*
 Overview of oceanic and Great Lakes resources, their roles in history, climate, commerce, and culture; examination of teaching materials for formal and informal settings. 3 undergraduate/graduate credit hours.

Environment and Natural Resources 690 • Global Change Education**CANCELLED**

Week 10, August 5-11 Drs. Daniel W. Jax, *Bexley Middle School*, and
 Rosanne W. Fortner (Instructor of Record), *Ohio State University*
 Materials and methods for presenting interdisciplinary aspects of global climate change and its impacts on global and regional settings. 3 undergraduate/graduate credit hours.

Environment and Natural Resources 694 •**Experimental Design in Ecology and Natural Resources Management****CANCELLED**

13 Days, July 22-August 3..... Dr. Lance R. and Marsha G. Williams, *Ohio State University*
 Introduction to experimental designs and statistics commonly used in ecology and natural resources applications. Skills gained include critical assessment of literature, design and implementation of field experiments, and analysis/presentation of data. Coast for room and meals is \$705.
 5 undergraduate/graduate credit hours.

Environment and Natural Resources 799 • Current Topics in Environment and Engineering

Term 1 & Term 2.....Dr. Jeffrey M. Reutter, *Ohio State University*
 These seminars present research, management, and policy on Thursday evenings throughout the summer at Stone Laboratory (or on Columbus campus via video conferencing). Must attend three seminars (six lectures). Graded satisfactory or unsatisfactory (S/U). 1 undergraduate/graduate credit hour.

Plant Pathology 685 • Diagnostic Field Plant Pathology

10 Days, August 12-22.....Dr. Sally A. Miller, *Ohio State University*
 Study of plant diseases in the field with emphasis on diagnosis and epidemiology; supplementary laboratory work. Additional prerequisite: General plant pathology course. Cost for room and meals is \$590. 3 undergraduate/graduate credit hours.

SPECIAL OFFERINGS:**EEOB 785 • Stream Ecology for Teachers**

Week 6, July 8-14..... Dr. Joseph R. Holomuzki, *Ohio State University*
 Introduces high school teachers to concepts and methodology of stream ecology. Course held at Old Woman Creek, Huron, Ohio. Free lodging; students provide their own meals. 3 undergraduate/graduate credit hours.

Geological Sciences 583.03 • Geological Setting of Lake Erie

Week 7, July 14-20.....Dr. Lawrence A. Krissek, *Ohio State University*
 Examination of geological features along the southern shore of Lake Erie during a week-long van trip, including an interpretation of the geologic history of Ohio in the Lake Erie basin, and examination of relationships between human activity and the geology of the area. Class will originate from and end at the Fawcett Center in Columbus, Ohio. Cost for room, meals, and transportation during one-week long van trip will be approximately \$500. 3 undergraduate/graduate credit hours.

Individual Studies 293/693

Qualified students may select problems in botany, entomology, microbiology, zoology or other participating departments, and may choose the instructor with whom they desire to work. 1-5 credit hours.

Research 998/999

This number is reserved for graduate students in a degree program conducting research for a M.S. thesis or Ph.D. dissertation.

Honor Course H783

This number is reserved for students in the honors program desiring to select problems in Individual Studies.

NON-CREDIT WORKSHOPS:**Lake Erie Island Photography Workshop**

Three Days, June 8-10.....Mr. Ian Adams
 Field photography sessions using the natural and cultural subjects unique to the Lake Erie Islands are interspersed with classroom discussions and photo critiques of each student's work. Emphasis on digital techniques. Must be at least 18 years of age and familiar with the operation of a digital camera. Student supplies own camera. Workshop fee is \$460. Cost includes room and meals for two nights and three days. Instructor's web site: www.ianadamsphotography.com.

Lake Erie Sport Fishing Workshop

Three Days, June 8-10.....Mr. Frederic L. Snyder, *Ohio State University*
An intensive workshop designed to give participants a background in technical concepts used by anglers with a focus on fishing experience. Stone Laboratory vessels will be used for walleye and smallmouth bass fishing; rowboats will be available during off hours for pursuit of largemouth bass and panfish. Lectures will provide background in gamefish behavior and fishing techniques. Must be at least 18 years of age. Personal fishing gear is recommended but not required. A valid Ohio fishing license must be obtained prior to arrival. Workshop fee is \$360. Cost includes room and meals for two nights and three days.

TABLE 12

**Stone Laboratory Curriculum
2008**

Earth Sciences 107 • Field-Based Introduction to Oceanography

Spring Quarter, May 29-June 4..... Dr. Shelley A. Judge, *Muskingum College*
 Week 5, June 29-July 5Dr. Lawrence A. Krissek, *Ohio State University*
 Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geologic significance. 3 undergraduate credit hours.

Earth Sciences 584 • Principles of Oceanography for Educators

Week 3, June 15-21Dr. Lawrence A. Krissek, *Ohio State University*
 Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geological significance. Discussions of effective classroom presentations of oceanic principles. Not open to students with credit for Geological Sciences 107 or 206. 3 undergraduate/graduate credit hours.

EDU PAES 140.07 • Lake Erie Sport Fishing

Week 2, June 8-14.....Mr. Frederic L. Snyder, *Ohio State University*
 This physical education course is an introduction to techniques and equipment used in Lake Erie sport fishing featuring Lake Erie angling trips with lectures that include related aquatic science information. 3 undergraduate credit hours.

EEOB 110 • Introduction to Local Flora

CANCELLED

Week 6, July 6-12..... Ms. Lisa A. Kutschbach-Brohl, *U.S. Department of Agriculture*
 Structures, processes, and stages of the plant life cycle; common families of flowering plants; plant geography, ecology, and conservation; and uses of plants. 3 undergraduate credit hours.

EEOB 125 • Introductory Aquatic Biology

Week 4, June 22-28Mr. Christopher J. Winslow, *Bowling Green State University*
 Week 9, July 27-August 2Mr. Christopher J. Winslow, *Bowling Green State University*
 Week 10, August 3-9.....Mr. Frederic L. Snyder, *Ohio State University*
 An introduction to the components of the ecosystem in freshwater aquatic environments. 3 undergraduate credit hours.

EEOB 126 • Introduction to the Study of Birds

Week 2, June 8-14.....Drs. Amanda D. and Paul G. Rodewald, *Ohio State University*
 An introduction to ornithology including bird identification, behavior and ecology with an emphasis on field techniques. 3 undergraduate credit hours.

EEOB 400 • Evolution

Term 1, June 15-July 16, MWF..... Dr. James S. Marshall, *Denison University*
 Basic conceptual issues and processes in evolution with emphasis on the ecological basis of a daptation and consequences of natural selection. 5 undergraduate credit hours.

EEOB 413.03 • Introduction to Ecology

Term 1, June 15-July 16, TRS..... Dr. Douglas D. Kane, *Defiance College*
 Distribution and abundance of species, population dynamics, community ecology, ecosystem dynamics, applied perspectives, and design and execution of experiments. 5 undergraduate credit hours.

EEOB 440 • Introductory Ethology

Term 2, July 17-August 16, MWF..... Drs. James S. Marshall, *Denison University* and
David Andrew Zuwerink, *DePauw University*

Observations of animal behaviors, and introductory analysis of their adaptive value, physiological mechanisms, development, and evolution; emphasis on field and laboratory observations. 5 undergraduate credit hours.

EEOB 511 • Local Flora for Teachers

Week 9, July 27-August 2 Ms. Lisa A. Kutschbach-Brohl, *U.S. Department of Agriculture*, and
Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*

Basic botanical and identification skills, field experience, and preparation of lessons for classroom use with special attention given to ODE Academic Content Standards. Not open to students with credit for EEOB 110. 3 undergraduate/graduate credit hours.

EEOB 513 • Field Ecology

Week 8, July 20-26..... Dr. Douglas D. Kane, *Defiance College*

A field-based introduction to the distribution and abundance of animals and plants in pond, lake, river, marsh, beach, field, and woodland ecosystems for teachers, undergraduates, and graduate students. 3 undergraduate/graduate credit hours.

EEOB 522 • Ornithology for Teachers**CANCELLED**

Week 5, June 29-July 5 Dr. Scott D. Shalaway, *Wildlife Biologist*

Field and laboratory studies of birds, discussion of birds of the world and their classification with resource material for classroom teachers and other educators. 3 undergraduate/graduate credit hours.

EEOB 621 • Ichthyology

Term 1, June 15-July 16, MWF..... Dr. Kristin K. Arend, *Lake Superior State University*

Study of the distribution and classification of fishes, which includes methods of identification, collection, and preservation. 5 undergraduate/graduate credit hours.

EEOB 651 • Field Zoology

Term 1, June 15-July 16, TRS..... Dr. Michael A. Hoggarth, *Otterbein College*

Field and laboratory identification of aquatic and terrestrial vertebrates and invertebrates of the region, in relation to habitats occupied. 5 undergraduate/graduate credit hours

EEOB 652 • Limnology

Term 2, July 17-August 16, TRS..... Dr. Darren L. Bade, *Kent State University*

Study of the physical, geological, chemical, and biological factors influencing freshwater life; field and laboratory techniques for determining lake morphometry, chemistry, and biological productivity are emphasized. 5 undergraduate/graduate credit hours.

EEOB 653 • Fish Ecology

Term 2, July 17-August 16, MWF..... Drs. John E. Gannon, *Intl. Joint Commission*, and
David J. Jude, *University of Michigan*

Field and laboratory studies of life histories and interspecific relationships of fishes, and of the various factors influencing their abundance. 5 undergraduate/graduate credit hours.

EEOB 692 • Ichthyoplankton Identification Workshop

One Day, Sunday, June 22, 9:00 a.m.-5:00 p.m..... Mr. John R. Hageman, *Ohio State University*, and
Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*

This workshop takes students, agency professionals and other interested individuals through the techniques involved with the collection and identification of common larval fishes of the Lake Erie drainage basin. Graded satisfactory or unsatisfactory (S/U). May be taken as a non-credit workshop for \$250 that includes sack lunch and course materials. 1 undergraduate/graduate credit hour.

EEOB 694 • Bird Census Techniques**CANCELLED**

Week 2, June 8-14..... Drs. James S. Marshall, *Denison University*, and
David Andrew Zuwerink, *DePauw University*

Introduction to avian census design, techniques, and introductory data analysis. Overview of various field techniques including point counts, line transects, territory mapping, mist netting and more. 3 undergraduate/graduate credit hours.

EEOB 694 • Field Herpetology

Week 2, June 8-14..... Ms. Kristin M. Stanford, *Northern Illinois University* and
Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*

Study of the distribution and classification of reptiles and amphibians of Ohio which includes methods of field research, species identification, collection, preservation, and conservation. 3 undergraduate/graduate credit hours.

EEOB 694 • Spider Biology**CANCELLED**

Week 10, Aug 3-9..... Dr. Richard A. Bradley, *Ohio State University*

A focus on the biology of spiders including: functionality, anatomy, senses and perception, behavior, webs and web building, identification, classification and relationships, field techniques, ecology. 3 undergraduate/graduate credit hours.

Entomology 126 • Introductory Insect Biology

Spring Quarter, May 29- June 4..... Dr. David J. Horn, *Ohio State University*

Week 3, June 15-21 Dr. R. Chris Stanton, *Baldwin-Wallace College*

An introduction to the biology of insects and their relatives, with emphasis on behavior, ecology and diversity; collection is required. 3 undergraduate credit hours.

Entomology 520 • Insect Biology for Teachers

Week 8, July 20-26..... Dr. David J. Horn, *Ohio State University*

Morphology, identification, behavior, and activities in terrestrial/aquatic entomology; development of an integrated curriculum; designed for K-12 teachers. 3 undergraduate/graduate credit hours.

Environment and Natural Resources 567 •**Communicating Environmental & Natural Resources Information****CANCELLED**

Term 2, July 17-August 16, TRS..... Dr. Gregory E. Hitzhusen, *Ohio State University*

Concepts, skills development, and practice in accessing and communicating information about the environment and natural resources to varied audiences; emphasis on written and oral communication. 5 undergraduate credit hours.

Environment and Natural Resources 629 • Ecology and Management of Wetland Birds**CANCELLED**

Week 6, July 6-12..... Dr. Robert J. Gates, *Ohio State University*

Ecology and habitat relationships of wetland birds that inhabit the Lake Erie region. Management of wetlands as wildlife habitat. 3 undergraduate/graduate credit hours.

Environment and Natural Resources 693 • Curriculum Development and Evaluation for Great Lakes and Environmental Education

Week 4, June 22-28 Dr. Rosanne W. Fortner, *Ohio State University*
 Students convert existing high-quality science activities to interactive internet forms or construct new materials to meet modern curriculum standards. On-island instruction, delayed project submission. Computer required. Students desiring a 5-credit course may continue working beyond the week on campus on additional projects. Graded satisfactory or unsatisfactory (S/U). 3 undergraduate/graduate credit hours.

Environment and Natural Resources 799 • Current Topics in Environment and Engineering

Thursday Evenings: June 12 - July 10 or July 24 - Aug 7.....Dr. Jeffrey M. Reutter, *Ohio State University*
 These seminars present research, management, and policy on Thursday evenings throughout the summer at Stone Laboratory (or on Columbus campus via video conferencing). Must attend three seminars (six lectures). Graded satisfactory or unsatisfactory (S/U). 1 undergraduate/graduate credit hour.

SPECIAL OFFERINGS:

Earth Sciences 583.03 • Geological Setting of Lake Erie

Week 7, July 12-18.....Dr. Lawrence A. Krissek, *Ohio State University*
 Examination of geological features along the southern shore of Lake Erie during a week-long van trip, including an interpretation of the geologic history of Ohio in the Lake Erie basin, and examination of relationships between human activity and the geology of the area. Class will originate from and end at the Fawcett Center in Columbus, Ohio. Cost for room, meals, and transportation during one-week long van trip will be approximately \$550. 3 undergraduate/graduate credit hours.

EEOB 785 • Stream Ecology for Teachers (at OWC)

Week 6, July 6-12.....Dr. Joseph R. Holomuzki, *Ohio State University*
 Introduces high school teachers to concepts and methodology of stream ecology. Course held at Old Woman Creek, Huron, Ohio. Free lodging; students provide their own meals. 3 undergraduate/graduate credit hours.

Individual Studies 293/693

Qualified students may select problems in botany, entomology, microbiology, zoology or other participating departments, and may choose the instructor with whom they desire to work. 1-5 credit hours.

Research 998/999

This number is reserved for graduate students in a degree program conducting research for a M.S. thesis or Ph.D. dissertation.

Honor Course H783

This number is reserved for students in the honors program desiring to select problems in Individual Studies.

NON-CREDIT WORKSHOPS:

Lake Erie Island Photography Workshop

Friday to Sunday, June 6-8 Mr. Ian Adams
Field photography sessions using the natural and cultural subjects unique to the Lake Erie Islands are interspersed with classroom discussions and photo critiques of each student's work. Emphasis on digital techniques. Must be familiar with the operation of a digital camera. Student supplies own camera. Workshop fee is \$480. Cost includes room and meals for two nights and three days. Instructor's web site: www.ianadamsphotography.com.

Lake Erie Sport Fishing Workshop

Saturday to Monday, July 12-14 Mr. Fredric L. Snyder, *Ohio State University*
An intensive workshop designed to give participants a background in technical concepts used by anglers with a focus on fishing experience. Stone Laboratory vessels will be used for walleye and smallmouth bass fishing; rowboats will be available during off hours for pursuit of largemouth bass and panfish. Lectures will provide background in gamefish behavior and fishing techniques. Personal fishing gear is recommended but not required. A valid Ohio fishing license must be obtained prior to arrival. Workshop fee is \$380. Cost includes room and meals for two nights and three days.

TABLE 13

**Stone Laboratory Curriculum
2009**

Earth Sciences 107 • Field-Based Introduction to Oceanography

Week 5, July 5-11.....Dr. Lawrence A. Krissek, *Ohio State University*
Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geologic significance. 3 undergraduate credit hours.

Earth Sciences 584 • Principles of Oceanography for Educators

Week 3, June 21-27Dr. Branwen M. Williams, *University of Toronto*
Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geologic significance. Discussions of effective classroom presentations of oceanic principles. Not open to students with credit for Geological Sciences 107 or 206. 3 undergraduate/graduate credit hours.

EDU PAES 140.05 • Lake Erie Sport Fishing

Week 2, June 14-20.....Mr. Frederic L. Snyder, *Ohio State University*
This physical education course is an introduction to techniques and equipment used in Lake Erie sport fishing featuring Lake Erie angling trips with lectures that include related aquatic science information. 3 undergraduate credit hours.

EEOB 125 • Introductory Aquatic Biology

Week 4, June 28-July 4Mr. Frederic L. Snyder, *Ohio State University*
Week 8, July 26-August 1Mr. Frederic L. Snyder, *Ohio State University*
Week 10, August 9-15Mr. Christopher J. Winslow, *Bowling Green State University*
An introduction to the components of the ecosystem in freshwater aquatic environments. 3 undergraduate credit hours.

EEOB 400 • Evolution

Term 1, June 21-July 22, MWF..... Dr. James S. Marshall, *Denison University*
Basic conceptual issues and processes in evolution with emphasis on the ecological basis of adaptation and consequences of natural selection. 5 undergraduate credit hours.

EEOB 440 • Introductory Ethology

Term 2, July 23-August 22, TRS..... Drs. James S. Marshall, *Denison University* and
David Andrew Zuwerink, *DePauw University*
Observations of animal behaviors, and introductory analysis of their adaptive value, physiological mechanisms, development, and evolution; emphasis on field and laboratory observations. 5 undergraduate credit hours.

EEOB 503.03 • Introduction to Ecology

Term 1, June 21-July 22, TRS..... Dr. Douglas D. Kane, *Defiance College*
Distribution and abundance of species, population dynamics, community ecology, ecosystem dynamics, applied perspectives, and design and execution of experiments. 6 undergraduate credit hours.

EEOB 511 • Local Flora for Teachers

Week 4, June 28-July 4Ms. Lisa A. Kutschbach-Brohl, *U.S. Department of Agriculture*, and
Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
Basic botanical and identification skills, field experience, and preparation of lessons for classroom use with special attention given to ODE Academic Content Standards. Not open to students with credit for EEOB 110. 3 undergraduate/graduate credit hours.

EEOB 513 • Field Ecology

Week 8, July 26- August 1 Dr. Douglas D. Kane, *Defiance College*
 A field-based introduction to the distribution and abundance of animals and plants in pond, lake, river, marsh, beach, field, and woodland ecosystems for teachers, undergraduates, and graduate students.
 3 undergraduate/graduate credit hours.

EEOB 611 • Aquatic and Wetland Flora**CANCELLED**

Term 2, July 23-August 22, MWF.....Dr. David L. Moore, *Utica College of Syracuse University*
 Aquatic plants, other than the algae, of Great Lakes region; field and laboratory work on their identification and ecological and geographical relations. 5 undergraduate/graduate credit hours.

EEOB 621 • Ichthyology

Term 1, June 21-July 22, MWF..... Dr. Geoff Steinhart, *Lake Superior State University*
 Study of the distribution and classification of fishes, which includes methods of identification, collection, and preservation. 5 undergraduate/graduate credit hours.

EEOB 622 • Field Herpetology

Week 2, June 14-24Dr. Katherine R. Greenwald, *Ohio State University*,
 Ms. Kristin M. Stanford, *Northern Illinois University* and
 Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
 Study of the distribution and classification of reptiles and amphibians of Ohio, which includes methods of field research, species identification, collection, preservation, and conservation.
 3 undergraduate/graduate credit hours.

EEOB 651 • Field Zoology

Term 1, June 21-July 22, TRS.....Dr. Michael A. Hoggarth, *Otterbein College*
 Field and laboratory identification of aquatic and terrestrial vertebrates and invertebrates of the region, in relation to habitats occupied. 5 undergraduate/graduate credit hours

EEOB 652 • Limnology

Term 1, June 21-July 22, MWF.....Dr. Darren L. Bade, *Kent State University*
 Study of the physical, geological, chemical, and biological factors influencing freshwater life; field and laboratory techniques for determining lake morphometry, chemistry, and biological productivity are emphasized. 5 undergraduate/graduate credit hours.

EEOB 653 • Fish Ecology

Term 2, July 23-August 22, MWF..... Drs. John E. Gannon, *International Joint Commission*, and
 David J. Jude, *University of Michigan*
 Field and laboratory studies of life histories and interspecific relationships of fishes, and of the various factors influencing their abundance. 5 undergraduate/graduate credit hours.

EEOB 692 • Ichthyoplankton Identification Workshop

One Day, Sunday, June 28, 9:00 a.m.-5:00 p.m..... Mr. John R. Hageman, *Ohio State University*, and
 Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
 This workshop takes students, agency professionals and other interested individuals through the techniques involved with the collection and identification of common larval fishes of the Lake Erie drainage basin. Graded satisfactory or unsatisfactory (S/U). May be taken as a non-credit workshop for \$265, including sack lunch and course materials. 1 undergraduate/graduate credit hour.

- EEOB 694 • Plankton** **CANCELLED**
 Week 2, June 14-20 Dr. Rex L. Lowe, *Bowling Green State University*
 Hands-on, lecture, laboratory, and field course to learn collection, identification, preservation, and enumeration techniques and basic ecology of plankton with an emphasis on zooplankton.
 3 graduate/undergraduate credit hours.
- Entomology 126 • Introductory Insect Biology**
 Week 3, June 21-27 Dr. R. Chris Stanton, *Baldwin-Wallace College*
 An introduction to the biology of insects and their relatives, with emphasis on behavior, ecology and diversity; collection is required. 3 undergraduate credit hours.
- Entomology 520 • Insect Biology for Teachers** **CANCELLED**
 Week 9, August 2-8 Dr. David J. Horn, *Ohio State University*
 Morphology, identification, behavior, and activities in terrestrial/aquatic entomology; development of an integrated curriculum; designed for K-12 teachers. 3 undergraduate/graduate credit hours.
- Entomology 612 • Aquatic Entomology**
 Term 2, July 23-August 22, MWF Dr. Carmen E. Trisler, *Wittenberg University*
 For preparation in the teaching of biology or for research on aquatic resources; emphasis on taxonomy and ecology of immature and adult aquatic insects. 5 undergraduate/graduate credit hours.
- Environment and Natural Resources 230 • Ecology and Conservation of Birds**
 Week 2, June 14-20 Drs. Paul G. and Amanda D. Rodewald, *Ohio State University*
 Introduction to the ecology and conservation of birds, with special emphasis on field ornithology and student research projects. 3 undergraduate credit hours.
- Environment and Natural Resources 367.02 • Religion, Ethics, and the Environment** **CANCELLED**
 Term 2, July 23-August 22, TRS Dr. Gregory E. Hitzhusen, *Ohio State University*
 Explores contemporary religious thought on the morality and ethics of environmental responsibility, particularly in North America. Fulfills GEC's second writing course. 5 undergraduate credit hours.
- Environment and Natural Resources 611 • Great Lakes Education Workshop** **CANCELLED**
 Week 6, July 12-18 Dr. Rosanne W. Fortner, *Ohio State University*
 Techniques and curricula for presenting interdisciplinary aspects of the oceans and Great Lakes in formal and non-formal education settings. 3 undergraduate/graduate credit hours.
- Environment and Natural Resources 629 • Ecology and Management of Wetland Birds** **CANCELLED**
 Week 10, August 9-15 Dr. Robert J. Gates, *Ohio State University*
 Ecology and habitat relationships of wetland birds that inhabit the Lake Erie region. Management of wetlands as wildlife habitat. 3 undergraduate/graduate credit hours.
- Environment and Natural Resources 690 • Global Change Education**
 Week 2, June 14-20 Dr. Rosanne W. Fortner, *Ohio State University*
 Materials and methods for presenting interdisciplinary aspects of global climate change and its impact on global and regional settings. 3 undergraduate/graduate credit hours.
- Environment and Natural Resources 799 • Current Topics in Environment and Engineering**
 Thursday Evenings: June 18-July 16 or July 30-Aug 13 Dr. Jeffrey M. Reutter, *Ohio State University*
 These seminars present research, management, and policy on Thursday evenings throughout the summer at Stone Laboratory (or on Columbus campus via video conferencing). Must attend three seminars (six lectures). Graded satisfactory or unsatisfactory (S/U). 1 undergraduate/graduate credit hour.

SPECIAL OFFERINGS:**Earth Sciences 583.03 • Geological Setting of Lake Erie**

Week 7, Saturday-Friday, July 18-24Dr. Lawrence A. Krissek, *Ohio State University*
 Examination of geological features along the southern shore of Lake Erie during a week-long van trip, including an interpretation of the geologic history of Ohio in the Lake Erie basin, and examination of relationships between human activity and the geology of the area. Class will originate from and end at the Fawcett Center in Columbus, Ohio. Cost for room, meals, and transportation during one-week long van trip will be approximately \$550. 3 undergraduate/graduate credit hours.

EEOB 785 • Stream Ecology for Teachers (at OWC)

Week 5, July 5-11.....Dr. Joseph R. Holomuzki, *Ohio State University*
 Introduces high school teachers to concepts and methodology of stream ecology. Course held at Old Woman Creek, Huron, Ohio. Free lodging; students provide their own meals. 3 undergraduate/graduate credit hours.

Individual Studies 293/693

Qualified students may select problems in botany, entomology, microbiology, zoology or other participating departments, and may choose the instructor with whom they desire to work. 1-5 credit hours.

Research 998/999

This number is reserved for graduate students in a degree program conducting research for a M.S. thesis or Ph.D. dissertation.

Honor Course H783

This number is reserved for students in the honors program desiring to select problems in Individual Studies.

NON-CREDIT WORKSHOPS:**Travel Photography Workshop****CANCELLED**

Saturday to Monday, August 8-10..... Mr. Ian Adams
 Field photography sessions using the natural and cultural subjects unique to the Lake Erie Islands are interspersed with classroom discussions and photo critiques of each student's work. Emphasis on digital techniques. Must be familiar with the operation of a digital camera. Student supplies own camera. Workshop fee is \$480. Cost includes room and meals for two nights and three days. Instructor's web site: www.ianadamsphotography.com.

Lake Erie Sport Fishing Workshop

Friday to Monday, July 5-7..... Mr. Frederic L. Snyder, *Ohio State University*
 An intensive workshop designed to give participants a background in technical concepts used by anglers with a focus on fishing experience. Stone Laboratory vessels will be used for walleye and smallmouth bass fishing; rowboats will be available during off hours for pursuit of largemouth bass and panfish. Lectures will provide background in gamefish behavior and fishing techniques. Personal fishing gear is recommended but not required. A valid Ohio fishing license must be obtained prior to arrival. Workshop fee is \$380. Cost includes room and meals for two nights and three days.

Plankton Identification Workshop

Saturday and Sunday, July 6-7Dr. Douglas D. Kane, *Defiance College*
 Hands-on, lecture, laboratory, and field workshop to learn collection, identification, preservation, and enumeration techniques and basic ecology of plankton with an emphasis on zooplankton. Workshop fee of \$325 includes room and meals for one night and two days.

Algae Identification Workshop

Saturday and Sunday, Aug 15-16..... Dr. Rex L. Lowe, *Bowling Green State University*
 Monday and Tuesday, Aug 17- 18Dr. Rex L. Lowe, *Bowling Green State University*
 Hands-on, lecture, laboratory, and field workshop to learn collection, identification, preservation, enumeration, and control techniques and basic ecology of algae. Workshop fee of \$325 includes room and meals for one night and two days.

Fish Sampling Techniques Workshop

Saturday and Sunday, October 3-4.....Mr. Eugene C. Braig, *Ohio State University*, and others
 An intensive, two-day workshop designed to demonstrate the fish-sampling gears most commonly used by the Ohio Department of Natural Resources- Division of Wildlife (ODW) and Ohio Environmental protection Agency (OEPA) for undergraduate students interested in seasonal agency work and fisheries biology professions. Stone Lab, ODW, and OEPA biologists provide hands-on experience with fyke nets, gill nets, trawls, and boat-based as well as wading electrofishing methods. Workshop fee is \$175. Cost includes room and meals for one night and two days.

TABLE 14

**Stone Laboratory Curriculum
2010**

Earth Sciences 107 • Field-Based Introduction to Oceanography

Week 5, July 4-10.....Dr. Lawrence A. Krissek, *Ohio State University*
Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geologic significance. 3 undergraduate credit hours.

Earth Sciences 583.03 • Geologic Setting of Lake Erie

Week 7, July 17-23.....Dr. Lawrence A. Krissek, *Ohio State University*
Examination of geologic features along the southern shore of Lake Erie during a week-long van trip, including an interpretation of the geologic history of Ohio in the Lake Erie basin, and an examination of relationships between human activity and the geology of the area. Class will originate from and end at the Fawcett Center in Columbus, Ohio. In addition to tuition, cost for room, meals, and transportation during one-week-long van trip will be approximately \$600. 3 undergraduate/graduate credit hours.

Earth Sciences 584 • Principles of Oceanography for Educators

Week 4, June 27-July 3.....Dr. Lawrence A. Krissek, *Ohio State University*
Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geological significance. Discussions of effective classroom presentations of oceanic principles. Not open to students with credit for Geological Sciences 107 or 206. 3 undergraduate/graduate credit hours.

EDU PAES 140.05 • Lake Erie Sport Fishing

Week 2, June 13-19.....Mr. Frederic L. Snyder and Mr. Tory A. Gabriel, *Ohio State University*
This physical education course is an introduction to techniques and equipment used in Lake Erie sport fishing featuring Lake Erie angling trips with lectures that include related aquatic science information. 3 undergraduate credit hours.

EEOB 125 • Introductory Aquatic Biology

Week 6, July 11-17.....Mr. Christopher J. Winslow, *Bowling Green State University*
Week 8, July 25-31.....Mr. Christopher J. Winslow, *Bowling Green State University*
Week 10, August 8-14.....Mr. Frederic L. Snyder, *Ohio State University*
An introduction to the components of the ecosystem in freshwater aquatic environments. 3 undergraduate credit hours.

EEOB 400 • Evolution

Term 1, June 20-July 21, TRS..... Dr. James S. Marshall, *Denison University*
Basic conceptual issues and processes in evolution with emphasis on the ecological basis of a daptation and consequences of natural selection. 5 undergraduate credit hours.

EEOB 440 • Introductory Ethology

CANCELLED

Term 2, July 22-August 21, TRS..... Drs. James S. Marshall, *Denison University* and
David Andrew Zuwerink, *DePauw University*
Observations of animal behaviors, and introductory analysis of their adaptive value, physiological mechanisms, development, and evolution; emphasis on field and laboratory observations. 5 undergraduate credit hours.

EEOB 503.03 • Introduction to Ecology

Term 1, June 20-July 21, MWF..... Dr. Douglas D. Kane, *Defiance College*
Distribution and abundance of species, population dynamics, community ecology, ecosystem dynamics, applied perspectives, and design and execution of experiments. 6 undergraduate credit hours.

EEOB 511 • Local Flora for Teachers**CANCELLED**

Week 6, July 11-17.....Ms. Lisa A. Kutschbach-Brohl, *U.S. Department of Agriculture*, and Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
 Basic botanical and identification skills, field experience, and preparation of lessons for classroom use with special attention given to ODE Academic Content Standards. Not open to students with credit for EEOB 110. 3 undergraduate/graduate credit hours.

EEOB 513 • Field Ecology

Week 8, July 25-31.....Dr. Andrew C. Vitz, *Carnegie Museum of Natural History*
 A field-based introduction to the distribution and abundance of animals and plants in pond, lake, river, marsh, beach, field, and woodland ecosystems for teachers, undergraduates, and graduate students. 3 undergraduate/graduate credit hours.

EEOB 621 • Ichthyology

Term 1, June 20-July 21, MWF..... Dr. Thomas P. Simon, *Indiana State University*
 Study of the distribution and classification of fishes, which includes methods of identification, collection, and preservation. 5 undergraduate/graduate credit hours.

EEOB 622 • Field Herpetology

Week 2, June 13-19Ms. Katherine R. Greenwald, *Ohio State University*,
 Ms. Kristin M. Stanford, *Northern Illinois University*, and
 Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
 Study of the distribution and classification of reptiles and amphibians of Ohio, which includes methods of field research, species identification, collection, preservation, and conservation. 3 undergraduate/graduate credit hours.

EEOB 651 • Field Zoology

Term 1, June 20-July 21, TRS.....Dr. Michael A. Hoggarth, *Otterbein College*
 Field and laboratory identification of aquatic and terrestrial vertebrates and invertebrates of the region, in relation to habitats occupied. 5 undergraduate/graduate credit hours

EEOB 652 • Limnology

Term 2, July 22-August 21, TRS..... Drs. Darren L. Bade, *Kent State University*, and
 Douglas D. Kane, *Defiance College*
 Study of the physical, geological, chemical, and biological factors influencing freshwater life; field and laboratory techniques for determining lake morphometry, chemistry, and biological productivity are emphasized. 5 undergraduate/graduate credit hours.

EEOB 653 • Fish Ecology**CANCELLED**

Term 2, July 22-August 21, MWF..... Drs. John E. Gannon, *International Joint Commission*, and
 David J. Jude, *University of Michigan*
 Field and laboratory studies of life histories and interspecific relationships of fishes, and of the various factors influencing their abundance. 5 undergraduate/graduate credit hours.

EEOB 692 • Algae Identification Workshop

Two Days, Monday and Tuesday, Aug 2-3Dr. Rex L. Lowe, *Bowling Green State University*
 Two Days, Wednesday and Thursday, Aug 4-5.....Dr. Rex L. Lowe, *Bowling Green State University*
 Hands-on, lecture, laboratory, and field workshop to learn collection, identification, preservation, enumeration, and control techniques and basic ecology of algae. Graded satisfactory or unsatisfactory (S/U). 1 undergraduate/graduate credit hour. May be taken as a non-credit workshop for \$325 that includes room and meals for one night and two days. Offered with Ohio EPA contact hours for certification.

EEOB 692 • Ichthyoplankton Identification Workshop

One Day, Sunday, June 27, 9:00 a.m.-5:00 p.m..... Mr. John R. Hageman and
Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*

This workshop takes students, agency professionals and other interested individuals through the techniques involved with the collection and identification of common larval fishes of the Lake Erie drainage basin. Graded satisfactory or unsatisfactory (S/U). May be taken as a non-credit workshop for \$265 that includes sack lunch and course materials. 1 undergraduate/graduate credit hour.

EEOB 692 • Plankton Identification Workshop

CANCELLED

Two Days, Thursday to Friday, June 10-11.....Dr. Douglas D. Kane, *Defiance College*
Hands-on, lecture, laboratory, and field workshop to learn collection, identification, preservation, and enumeration techniques and basic ecology of plankton with an emphasis on zooplankton. Graded satisfactory or unsatisfactory (S/U). 1 undergraduate/graduate credit hour. May be taken as a non-credit workshop for \$325 that includes room and meals for one night and two days. Offered with Ohio EPA contact hours for certification.

EEOB 699 • Undergraduate Research in EEOB

Term 1, June 20-July 21..... Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
Term 2, July 22-August 21..... Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
Research Experience for Undergraduates. 3 undergraduate credit hours.

Entomology 126 • Introductory Insect Biology

Week 3, June 20-26 Dr. R. Chris Stanton, *Baldwin-Wallace College*
An introduction to the biology of insects and their relatives, with emphasis on behavior, ecology and diversity; collection is required. 3 undergraduate credit hours.

Entomology 612 • Aquatic Entomology

Term 2, July 22-August 21, MWF..... Dr. Amy Braccia, *Hiram College*
For preparation in the teaching of biology or for research on aquatic resources; emphasis on taxonomy and ecology of immature and adult aquatic insects. 5 undergraduate/graduate credit hours.

Environment and Natural Resources 230 • Ecology and Conservation of Birds

Week 2, June 13-19 Drs. Paul G. and Amanda D. Rodewald, *Ohio State University*
Introduction to the ecology and conservation of birds, with special emphasis on field ornithology and student research projects. 3 undergraduate credit hours.

Environment and Natural Resources 614 • Marine and Aquatic Education

CANCELLED

Week 2, June 13-19 Dr. Rosanne W. Fortner, *Ohio State University*
Instructional methods for meeting Ocean Literacy essential principles and fundamental concepts; equivalent studies for Great Lakes. Uses "Fresh and Salt" environmental curriculum and COSEE resources. 3 undergraduate/graduate credit hours.

Environment and Natural Resources 799 • Current Topics in Environment and Engineering

Thursday Evenings: June 17-July 15 or July 29-Aug 12 Dr. Jeffrey M. Reutter (Instructor of Record),
Ohio State University

These seminars present research, management, and policy on Thursday evenings throughout the summer at Stone Laboratory (or on Columbus campus via video conferencing). Must attend three seminars (six lectures). Graded satisfactory or unsatisfactory (S/U). 1 undergraduate/graduate credit hour.

SPECIAL OFFERINGS:**Earth Sciences 583.03 • Geological Setting of Lake Erie**

Week 7, Saturday-Friday, July 17-23Dr. Lawrence A. Krissek, *Ohio State University*
 Examination of geological features along the southern shore of Lake Erie during a week-long van trip, including an interpretation of the geologic history of Ohio in the Lake Erie basin, and examination of relationships between human activity and the geology of the area. Class will originate from and end at the Fawcett Center in Columbus, Ohio. Cost for room, meals, and transportation during one-week long van trip will be approximately \$600. 3 undergraduate/graduate credit hours.

EEOB 785 • Stream Ecology for Teachers (at OWC)**CANCELLED**

Week 5, July 5-11 Dr. Joseph R. Holomuzki, *Ohio State University*
 Introduces high school teachers to concepts and methodology of stream ecology. Course held at Old Woman Creek, Huron, Ohio. Free lodging; students provide their own meals. 3 undergraduate/graduate credit hours.

Individual Studies 293/693

Qualified students may select problems in botany, entomology, microbiology, zoology or other participating departments, and may choose the instructor with whom they desire to work. 1-5 credit hours.

Research 998/999

This number is reserved for graduate students in a degree program conducting research for a M.S. thesis or Ph.D. dissertation.

Honor Course H783

This number is reserved for students in the honors program desiring to select problems in Individual Studies.

NON-CREDIT WORKSHOPS:**Making Distinctive Photographs of Nature****CANCELLED**

Saturday to Monday, August 8-10Mr. Tony G. Mendoza, *Ohio State University*
 Field photography sessions using the natural and cultural subjects unique to the Lake Erie Islands are interspersed with classroom discussions and photo critiques of each student's work. Emphasis on digital techniques. Must be familiar with the operation of a digital camera. Student supplies own camera. Workshop fee is \$380. Cost includes room and meals for two nights and three days. Instructor's web site: www.tonymendoza.com and www.flickr.com/photos/tonymendoza.

Lake Erie Sport Fishing Workshop

Friday to Sunday, June 11-13Mr. Frederic L. Snyder and Mr. Tory A. Gabriel, *Ohio State University*
 An intensive workshop designed to give participants a background in technical concepts used by anglers with a focus on fishing experience. Stone Laboratory vessels will be used for walleye and smallmouth bass fishing; rowboats will be available during off hours for pursuit of largemouth bass and panfish. Lectures will provide background in gamefish behavior and fishing techniques. Personal fishing gear is recommended but not required. A valid Ohio fishing license must be obtained prior to arrival. Workshop fee is \$380. Cost includes room and meals for two nights and three days.

Plankton Identification Workshop

CANCELLED

Thursday and Friday, June 10-11.....Dr. Douglas D. Kane, *Defiance College*
 Hands-on, lecture, laboratory, and field workshop to learn collection, identification, preservation, and enumeration techniques and basic ecology of plankton with an emphasis on zooplankton. Workshop fee of \$325 includes room and meals for one night and two days. Offered with Ohio EPA contact hours for certification.

Algae Identification Workshop

Monday and Tuesday, Aug 2-3 or.....Dr. Rex L. Lowe, *Bowling Green State University*
 Wednesday and Thursday, Aug 4-5.....Dr. Rex L. Lowe, *Bowling Green State University*
 Hands-on, lecture, laboratory, and field workshop to learn collection, identification, preservation, enumeration, and control techniques and basic ecology of algae. Workshop fee of \$325 includes room and meals for one night and two days. Offered with Ohio EPA contact hours for certification.

Fish Sampling Techniques Workshop

Saturday and Sunday, October 2-3.....Mr. Eugene C. Braig, *Ohio State University*,
 Mr. Benjamin A. Rich, *Ohio EPA*, and Mr. Eric Weimer, *Ohio Department of Natural Resources*
 An intensive, two-day workshop designed to demonstrate the fish-sampling gears most commonly used by the Ohio Department of Natural Resources- Division of Wildlife (ODW) and Ohio Environmental protection Agency (OEPA) for undergraduate students interested in seasonal agency work and fisheries biology professions. Stone Lab, ODW, and OEPA biologists provide hands-on experience with fyke nets, gill nets, trawls, and boat-based as well as wading electrofishing methods. Workshop fee is \$175. Cost includes room and meals for one night and two days.

TABLE 15

**Stone Laboratory Curriculum
2011**

Earth Sciences 107 • Field-Based Introduction to Oceanography

Week 5, July 3-9.....Dr. Lawrence A. Krissek, *Ohio State University*
Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geologic significance. 3 undergraduate credit hours.

Earth Sciences 583.03 • Geological Setting of Lake Erie

Week 9, Saturday-Friday, July 30 – August 5.....Dr. Lawrence A. Krissek, *Ohio State University*
Examination of geological features along the southern shore of Lake Erie during a week-long van trip, including an interpretation of the geologic history of Ohio in the Lake Erie basin, and examination of relationships between human activity and the geology of the area. Class will begin from and end at the Fawcett Center in Columbus, Ohio. In addition to tuition, cost for room, meals, and transportation during one-week long van trip will approximately be \$620. 3 undergraduate/graduate credit hours.

Earth Sciences 584 • Principles of Oceanography for Educators

Week 4, June 26- July 2Dr. Lawrence A. Krissek, *Ohio State University*
Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geological significance. Discussions of effective classroom presentations of oceanic principles. 3 undergraduate/graduate credit hours.

EDU PAES 140.05 • Lake Erie Sport Fishing

Week 2, June 12-18Mr. Frederic L. Snyder and Mr. Tory Gabriel, *Ohio State University*
An introduction to techniques and equipment used in Lake Erie sport fishing featuring Lake Erie angling trips with lectures that include related aquatic science and management information. 3 undergraduate credit hours.

EEOB 125 • Introductory Aquatic Biology

Week 6, July 10-16.....Dr. Christopher J. Winslow, *Kutztown University of Pennsylvania*
Week 8, July 24-30.....Dr. Christopher J. Winslow, *Kutztown University of Pennsylvania*
Week 10, August 7-13Mr. Frederic L. Snyder, *Ohio State University*
An introduction to the components of the ecosystem in freshwater aquatic environments. 3 undergraduate credit hours.

EEOB 400 • Evolution

Term 1, June 19-July 20, TRS..... Dr. James S. Marshall, *Rockford College*
Basic conceptual issues and processes in evolution with emphasis on the ecological basis of adaptation and consequences of natural selection. 5 undergraduate credit hours.

EEOB 503.03 • Introduction to Ecology

Term 1, June 19-July 20, MWF..... Dr. Douglas D. Kane, *Defiance College*
Distribution and abundance of species, population dynamics, community ecology, ecosystem dynamics, applied perspectives, and design and execution of experiments. 6 undergraduate credit hours.

EEOB 513 • Field Ecology

Week 8, July 24-30..... Dr. Douglas D. Kane, *Defiance College*
A field-based introduction to the distribution and abundance of animals and plants in pond, lake, river, marsh, beach, field, and woodland ecosystems for teachers, undergraduates, and graduate students. 3 undergraduate/graduate credit hours.

EEOB 621 • Ichthyology

Term 1, June 19-July 20, MWF..... Dr. Thomas P. Simon, *Indiana State University*
 Study of the distribution and classification of fishes, which includes methods of identification, collection, and preservation. 5 undergraduate/graduate credit hours.

EEOB 622 • Field Herpetology

Week 2, June 12-18..... Dr. Katherine R. Greenwald, *Eastern Michigan University*,
 Ms. Kristin M. Stanford, *Northern Illinois University*,
 Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
 Study of the distribution and classification of reptiles and amphibians of Ohio, which includes methods of field research, species identification, collection, preservation, and conservation. Course held at Old Woman Creek, Huron, Ohio, and at Stone Laboratory. Special room and meals fee while at Lab is \$160. At OWC additional meal costs are student's responsibility and lodging is free.
 3 undergraduate/graduate credit hours.

EEOB 651 • Field Zoology

Term 1, June 19-July 20, TRS..... Dr. Michael A. Hoggarth, *Otterbein College*
 Field and laboratory identification of aquatic and terrestrial vertebrates and invertebrates of the region, in relation to habitats occupied. 5 undergraduate/graduate credit hours

EEOB 652 • Limnology

Term 2, July 21-August 20, TRS..... Dr. Darren L. Bade, *Kent State University*
 Study of the physical, geological, chemical, and biological factors influencing freshwater life; field and laboratory techniques for determining lake morphometry, chemistry, and biological productivity are emphasized. 5 undergraduate/graduate credit hours.

EEOB 692 • Ichthyoplankton Identification Workshop

One day: Sunday, June 26..... Mr. John R. Hageman, *Ohio State University*
 Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
 This workshop takes students, agency professionals and other interested individuals through the techniques involved with the collection and identification of common larval fishes of the Lake Erie drainage basin. Repeatable to a maximum of 12 credit hours. Graded satisfactory or unsatisfactory (S/U). 1 undergraduate/graduate credit hour. May be taken as a non-credit workshop for \$275 that includes sack lunch and course materials.

EEOB 692 • Algae Identification Workshop

Two days: Monday and Tuesday, August 1-2..... Dr. Rex Lowe, *Bowling Green State University*
 or Wednesday and Thursday, August 3-4..... Dr. Rex Lowe, *Bowling Green State University/CANCELLED*
 Hands-on, lecture, laboratory, and field workshop to learn collection, identification, preservation, enumeration, and control techniques and basic ecology of algae. Repeatable to a maximum of 12 credit hours. Graded satisfactory or unsatisfactory (S/U). 1 undergraduate/graduate credit hour. May be taken as a non-credit workshop for \$345 that includes room and meals for one night and two days. Offered with Ohio EPA contact hours for professional certification.

EEOB 699 • Undergraduate Research in EEOB

Term 1, June 19-July 20..... Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
 Term 2, July 21-August 20..... Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
 Research Experience for Undergraduates. 3 undergraduate credit hours.

Entomology 126 • Introductory Insect Biology

Week 9, July 31 – August 6..... Dr. David J. Horn, *Ohio State University*
 An introduction to the biology of insects and their relatives, with emphasis on behavior, ecology and diversity; collection is required. 3 undergraduate credit hours.

Entomology 612 • Aquatic Entomology

CANCELLED

Term 2, July 21-August 20, MWF..... Instructor TBD
 For preparation in the teaching of biology or for research on aquatic resources; emphasis on taxonomy and ecology of immature and adult aquatic insects. 5 undergraduate/graduate credit hours.

Environment and Natural Resources 230 • Ecology and Conservation of Birds

Week 2, June 12-18..... Drs. Paul G. and Amanda D. Rodewald, *Ohio State University*
 Introduction to the ecology and conservation of birds, with special emphasis on field ornithology and student research projects. 3 undergraduate credit hours.

Environment and Natural Resources 690 • Climate Change Education

Week 3, June 19-25..... Dr. Rosanne W. Fortner, *Ohio State University*, and
 Ms. Lyndsey M. Manzo, *Westerville North High School*
 Materials and methods for presenting interdisciplinary aspects of global climate change and its impact on global and regional settings. Ideal for formal educators of grades 4-10 or nonformal educators working in the Great Lakes region. 3 undergraduate/graduate credit hours.

Environment and Natural Resources 799 • Current Topics in Environment and Engineering

Thursday Evenings: June 16-July 14 or July 28-Aug 11..... Dr. Jeffrey M. Reutter (Instructor of Record),
Ohio State University
 These seminars present research, management, and policy on Thursday evenings throughout the summer at Stone Laboratory (or on Columbus campus via video conferencing). Must attend three seminars (six lectures). Graded satisfactory or unsatisfactory (S/U). 1 undergraduate/graduate credit hour.

SPECIAL OFFERINGS:

Earth Sciences 583.03 • Geological Setting of Lake Erie

Week 9, Saturday-Friday, July 30 – August 5..... Dr. Lawrence A. Krissek, *Ohio State University*
 Examination of geological features along the southern shore of Lake Erie during a week-long van trip, including an interpretation of the geologic history of Ohio in the Lake Erie basin, and examination of relationships between human activity and the geology of the area. Class will begin from and end at the Fawcett Center in Columbus, Ohio. In addition to tuition, cost for room, meals, and transportation during one-week long van trip will approximately be \$620. 3 undergraduate/graduate credit hours.

NON-CREDIT WORKSHOPS:

Outdoor Photography Workshop

Thursday to Saturday, July 22-24..... Jeremy T. Bruskotter, *Ohio State University*, and
 Mr. Jim Doty, *Freelance Photographer*
 Field photography sessions using the natural and cultural subjects unique to the Lake Erie Islands are interspersed with classroom discussions and photo critiques of each student's work. Emphasis on digital techniques. Must be familiar with the operation of a digital camera. Student supplies own camera. Workshop fee is \$400. Cost includes room and meals for two nights and three days.

Lake Erie Sport Fishing Workshop

Friday to Sunday, June 10-12.....Mr. Frederic L. Snyder and Mr. Tory A. Gabriel, *Ohio State University*
 An intensive workshop designed to give participants a background in technical concepts used by anglers with a focus on fishing experience. Stone Laboratory vessels will be used for walleye and smallmouth bass fishing; rowboats will be available during off hours for pursuit of largemouth bass and pan fish. Lectures will provide background in gamefish behavior and fishing techniques. Personal fishing gear is recommended but not required. A valid Ohio fishing license must be obtained prior to arrival. Workshop fee of \$400 includes room and meals for two nights and three days.

Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds

Monday and Tuesday, August 8-9 Mr. Richard C. Lorenz, *City of Westerville Water Department*,
 Dr. Dean A. Reynolds, *City of Alliance Department of Water Treatment*, and others
 Understanding toxin production by algae and strategies for water professionals to manage toxins and taste/odor issues. Offered with Ohio EPA contact hours for professional certification. Workshop fee of \$345 includes room and meals for one night and two days.

Algae Identification Workshop

Monday and Tuesday, Aug 1-2 Dr. Rex L. Lowe, *Bowling Green State University*
 Wednesday and Thursday, Aug 3-4..... Dr. Rex L. Lowe, *Bowling Green State University*/**CANCELLED**
 Hands-on, lecture, laboratory, and field workshop to learn collection, identification, preservation, enumeration, and control techniques and basic ecology of algae. Workshop fee of \$345 includes room and meals for one night and two days. Offered with Ohio EPA contact hours for professional certification.

Fish Sampling Techniques Workshop

Saturday and Sunday, October 8-9..... Mr. Eugene C. Braig, *Ohio State University*,
 Mr. Benjamin A. Rich, *Ohio EPA*, and Mr. Eric Weimer, *Ohio Department of Natural Resources*
 An intensive, two-day workshop designed to demonstrate the fish-sampling gears most commonly used by the Ohio Department of Natural Resources- Division of Wildlife (ODW) and Ohio Environmental protection Agency (OEPA) for undergraduate students interested in seasonal agency work and fisheries biology professions. Stone Lab, ODW, and OEPA biologists provide hands-on experience with fyke nets, gill nets, trawls, and boat-based as well as wading electrofishing methods. Workshop fee is \$185. Cost includes room and meals for one night and two days.

Ichthyoplankton Identification Workshop

One day: Sunday, June 26 Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*, and
 Mr. John R. Hageman, *Ohio State University*
 This workshop takes students, agency professionals and other interested individuals through the techniques involved with the collection and identification of common larval fishes of the Lake Erie drainage basin. Workshop fee of \$275 includes sack lunch and course materials.

TABLE 16

**Stone Laboratory Curriculum
2012**

Earth Sciences 1107 • Field-Based Introduction to Oceanography

Week 7, July 22-28 Dr. Lawrence A. Krissek, *Ohio State University*
Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geologic significance. 2 undergraduate credit hours.

Earth Sciences 5189.05 • Geologic Setting of Lake Erie

Week 1, Saturday-Friday, June 16-22 Dr. Lawrence A. Krissek, *Ohio State University*
Examination of geological features along the southern shore of Lake Erie during a week-long van trip, including an interpretation of the geologic history of Ohio in the Lake Erie basin, and examination of relationships between human activity and the geology of the area. Class will originate from and end at the in Columbus, Ohio. In addition to tuition, cost for room, meals, and transportation during one-week long van trip will approximately be \$600. 2 undergraduate/graduate credit hours.

Earth Sciences 5584 • Principles of Oceanography for Educators

Week 8, July 22-28 Dr. Lawrence A. Krissek, *Ohio State University*
Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geological significance. Discussions of effective classroom presentations of oceanic principles. 2 undergraduate/graduate credit hours.

EDU PAES 1140.05 • Lake Erie Sport Fishing

Week 1, June 10-16 Mr. Frederic L. Snyder and Mr. Tory A. Gabriel, *Ohio State University*
This physical education course is an introduction to techniques and equipment used in Lake Erie sport fishing featuring Lake Erie angling trips with lectures that include related aquatic science information. 2 Undergrad credit hours

EEOB 1910 • Introduction to Biological Studies – Local Plants

Week 8, July 29-August 4 Ms. Lisa A Kutschbach-Brohl, *US Department of Agriculture*
Structures, processes, and stages of the plant life cycle; common families of flowering plants; plant geography, ecology and conservation; and uses of plants. 2 Undergraduate credit hours.

EEOB 1930 • Introduction to Biological Studies- Aquatic Biology

Week 1, June 10-16 Dr. Christopher J. Winslow, *Ohio State University*
Week 7, July 22-28 Dr. Christopher J. Winslow, *Ohio State University*
Week 18, July 29-August 4 Mr. Frederic L. Snyder, *Ohio State University*
An introduction to the components of the ecosystem in freshwater aquatic environments. 2 undergraduate credit hours.

EEOB 3310 • Evolution

Term 1, June 17-July 21, MWF Dr. James S. Marshall, *Rockford College*
Basic conceptual issues and processes in evolution with emphasis on the ecological basis of adaptation and consequences of natural selection. 4 undergraduate credit hours.

EEOB 3410 • Ecology

Term 1, June 17-July 21, MWFDr. Douglas D. Kane, *Defiance College*
 Distribution and abundance of species, population dynamics, community ecology, ecosystem dynamics, applied perspectives, and design and execution of experiments. 4 undergraduate credit hours.

EEOB 4950 • Field Ecology

Week 7, July 22-28Dr. Douglas D. Kane, *Defiance College*
 A field-based introduction to the distribution and abundance of animals and plants in pond, lake, river, marsh, beach, field, and woodland ecosystems for teachers, undergraduates, and graduate students. 2 undergraduate/graduate credit hours.

EEOB 5210 • Spider Biology

Week 1, June 10-16.....Dr. Richard A. Bradley, *Ohio State University*
 A focus on the biology of spiders, including functional anatomy, senses and perception, behavior, webs and web-building identification, classification and relationships, field techniques and ecology. 2 undergraduate/graduate credit hours.

EEOB 5420 • Aquatic Ecosystems – Ecology of Inland Waters

Term 1, June 17 – July 21, TRS Dr. Darren L. Bade, *Kent State University*
 Study of the physical, geological, chemical, and biological factors influencing freshwater life; field and laboratory techniques for determining lake morphometry, chemistry, and biological productivity are emphasized. 4 undergraduate/graduate credit hours.

EEOB 5910 • Field Herpetology

Week 1, June 10-16..... Dr. Katherine R. Greenwald, *Eastern Michigan University*, and
 Ms. Kristin M. Stanford, *Northern Illinois University*
 Study of the distribution and classification of reptiles and amphibians of Ohio, which includes methods of field research, species identification, collection, preservation, and conservation. Course held at Old Woman Creek, Huron, Ohio, and at Stone Laboratory. Special room and meals fee while at Lab is \$160. At OWC additional meal costs are student's responsibility and lodging is free. 2 undergraduate/graduate credit hours.

EEOB 5930 • Ichthyology

Term 1, June 17-July 21, MWFDr. Thomas P. Simon, *Indiana State University*
 Study of the distribution and classification of fishes, which includes methods of identification, collection, and preservation. 4 undergraduate/graduate credit hours.

EEOB 5940 • Field Zoology

Term 1, June 17-July 21, TRS..... Dr. Michael A. Hoggarth, *Otterbein College*
 Field and laboratory identification of aquatic and terrestrial vertebrates and invertebrates of the region, in relation to habitats occupied. 4 undergraduate/graduate credit hours.

EEOB 5950 • Algae Identification Workshop

Monday and Tuesday, August 6-7.....Dr. Rex L. Lowe, *Bowling Green State University*
 Hands-on, lecture, laboratory, and field workshop to learn collection, identification, preservation, enumeration, and control techniques and basic ecology of algae. Graded satisfactory or unsatisfactory (S/U). May be taken as a non-credit workshop for \$345, which includes room and meals for one night and two days. Offered with Ohio EPA contact hours for professional certification. 0.5 undergraduate/graduate credit hours.

EEOB 5970 • Larval Fish Identification Workshop

Sunday, June 24.....Mr. John R. Hageman, *Ohio State University*; and Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
 This workshop takes students, agency professionals, and other interested individuals through the techniques involved in the collection and identification of common larval fishes of the Lake Erie drainage basin. Graded satisfactory or unsatisfactory (S/U). May be taken as a non-credit workshop for \$275, which includes sack lunch and course materials.
 0.5 undergraduate/graduate credit hours.

Entomology 1260 • Introductory Insect Biology

Week 8, July 29-August 4.....Dr. David J. Horn, *Ohio State University*
 An introduction to the biology of insects and their relatives, with emphasis on behavior, ecology and diversity; collection is required. 2 undergraduate credit hours.

Environment and Natural Resources 2360 • Ecology and Conservation of Birds

Week 1, June 10-16.....Dr. Marja H. Bakermans, *Indiana University of Pennsylvania*
 Introduction to the ecology and conservation of birds, with special emphasis on field ornithology and student research projects. 2 undergraduate credit hours.

Environment and Natural Resources 5194 • Climate and Sustainability

Week 8, July 29-August 4Drs. Rachel S. Hintz and Richard H. Moore, *Ohio State University*
 A field-based introduction to the interdisciplinary aspects of climate change, water quality, local watersheds leading to Lake Erie and the effects of corn and soybean production on and from the environment. This class is for teachers, undergraduates, and graduate students.
 2 undergraduate/graduate credit hours.

Environment and Natural Resources 5690 • Climate Change Education

Week 7, July 22-28Dr. Rosanne W. Fortner, *Ohio State University*, and Ms. Lyndsey M. Manzo, *Westerville North High School*
 Materials and methods for presenting interdisciplinary aspects of global climate change and its impact on global and regional settings. Ideal for formal educators of grades 4-10 or nonformal educators working in the Great Lakes region. 2 undergraduate/graduate credit hours.

Environment and Natural Resources 5699 • Current Topics in Environment and Engineering

Thursday Evenings: June 14-August 2Dr. Jeffrey M. Reutter (Instructor of Record), *Ohio State University*
 These seminars present research, management, and policy on Thursday evenings throughout the summer at Stone Laboratory (or on Columbus campus via video conferencing). Must attend four seminars (eight lectures). Graded satisfactory or unsatisfactory (S/U).
 1 undergraduate/graduate credit hour.

SPECIAL OFFERING:

Earth Sciences 5189.05 • Geological Setting of Lake Erie

Week 1, Saturday-Friday, June 16-22..... Dr. Lawrence A. Krissek, *Ohio State University*
 Examination of geological features along the southern shore of Lake Erie during a week-long van trip, including an interpretation of the geologic history of Ohio in the Lake Erie basin, and examination of relationships between human activity and the geology of the area. Class will originate from and end at the in Columbus, Ohio. In addition to tuition, cost for room, meals, and transportation during one-week long van trip will approximately be \$600.
 2 undergraduate/graduate credit hours.

NON-CREDIT WORKSHOPS:

Outdoor Photography Workshop

Friday to Sunday, August 10-12 Dr. Jeremy T. Bruskotter, *Ohio State University*, and
Mr. Jim Doty, *Freelance Photographer*

Field photography sessions using the natural and cultural subjects unique to the Lake Erie Islands are interspersed with classroom discussions and photo critiques of each student's work. Emphasis on digital techniques. Must be familiar with the operation of a digital camera. Student supplies own camera. Workshop fee is \$400. Cost includes room and meals for two nights and three days.

Lake Erie Sport Fishing Workshop

Friday to Sunday, August 10-12Mr. Frederic L. Snyder and
Mr. Tory A. Gabriel, *Ohio State University*

An intensive workshop designed to give participants a background in technical concepts used by anglers with a focus on fishing experience. Stone Laboratory vessels will be used for walleye and smallmouth bass fishing; rowboats will be available during off hours for pursuit of largemouth bass and panfish. Lectures will provide background in gamefish behavior and fishing techniques. Personal fishing gear is recommended but not required. A valid Ohio fishing license must be obtained prior to arrival. Workshop fee of \$400 includes room and meals for two nights and three days.

Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds

Thursday and Friday, August 9-10Mr. Richard C. Lorenz, *City of Westerville Water Department*,
Dr. Dean A. Reynolds, *City of Alliance Department of Water Treatment*, and others

Understanding toxin production by algae and strategies for water professionals to manage toxins and taste/odor issues. Offered with Ohio EPA contact hours for professional certification. Workshop fee of \$345 includes room and meals for one night and two days.

Algae Identification Workshop

Monday and Tuesday, August 6-7.....Dr. Rex L. Lowe, *Bowling Green State University*
Hands-on, lecture, laboratory, and field workshop to learn collection, identification, preservation, enumeration, and control techniques and basic ecology of algae. Repeatable to a maximum of 12 credit hours. Workshop fee of \$345 includes room and meals for one night and two days. Offered with Ohio EPA contact hours for professional certification.

Fish Sampling Techniques Workshop

Saturday and Sunday, September 15-16..... Mr. Eugene C. Braig, *Ohio State University*,
Mr. Benjamin A. Rich, *Ohio EPA*, and Mr. Eric Weimer, *Ohio Department of Natural Resources*

An intensive, two-day workshop designed to demonstrate the fish-sampling gears most commonly used by the Ohio Department of Natural Resources- Division of Wildlife (ODW) and Ohio Environmental protection Agency (OEPA) for undergraduate students interested in seasonal agency work and fisheries biology professions. Stone Lab, ODW, and OEPA biologists provide hands-on experience with fyke nets, gill nets, trawls, and boat-based as well as wading electrofishing methods. Workshop fee is \$185. Cost includes room and meals for one night and two days.

Larval Fish Identification Workshop

Sunday, June 24..... Mr. John Hageman, *Ohio State University*,

This workshop takes students, agency professionals, and other interested individuals through the techniques involved in the collection and identification of common larval fishes of the Lake Erie drainage basin. Workshop fee of \$275 includes sack lunch and course materials.

TABLE 17

**Stone Laboratory Curriculum
2013**

Earth Sciences 1107 • Field-Based Introduction to Oceanography

Week 7, July 21-27 Dr. Lawrence A. Krissek, *Ohio State University*
Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geologic significance. 2 undergraduate credit hours.

Earth Sciences 5189.05 • Geologic Setting of Lake Erie

Week 1, Friday-Thursday, June 7-13..... Dr. Lawrence A. Krissek, *Ohio State University*
Examination of geological features along the southern shore of Lake Erie during a week-long van trip, including an interpretation of the geologic history of Ohio in the Lake Erie basin, and examination of relationships between human activity and the geology of the area. Class will originate from and end at the in Columbus, Ohio. In addition to tuition, cost for room, meals, and transportation during one-week long van trip will be approximately \$600.
2 undergraduate/graduate credit hours.

Earth Sciences 5584 • Principles of Oceanography for Educators

Week 8, July 28-August 3..... Dr. Lawrence A. Krissek, *Ohio State University*
Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geologic significance. Discussions of effective classroom presentations of oceanic principles. 2 undergraduate/graduate credit hours.

EDU PAES 1140.05 • Lake Erie Sport Fishing

Week 1, June 10-16..... Mr. Frederic L. Snyder and Mr. Tory A. Gabriel, *Ohio State University*
This physical education course is an introduction to techniques and equipment used in Lake Erie sport fishing featuring Lake Erie angling trips with lectures that include related aquatic science information. 2 Undergrad credit hours

EEOB 1910 • Introduction to Biological Studies – Local Plants

Week 8, July 28-August 3..... Ms. Lisa A Kutschbach-Brohl, *US Department of Agriculture*
Structures, processes, and stages of the plant life cycle; common families of flowering plants; plant geography, ecology and conservation; and uses of plants. 2 Undergraduate credit hours.

EEOB 1930 • Introduction to Biological Studies- Aquatic Biology

Week 1, June 9-15..... Dr. Christopher J. Winslow, *Ohio State University*
Week 7, July 21-27 Dr. Lauren M. Pintor, *Ohio State University*
Week 8, July 28-August 3..... Dr. Justin D. Chaffin, *Ohio State University*
An introduction to the components of the ecosystem in freshwater aquatic environments. 2 undergraduate credit hours.

EEOB 3189 • Field Course: Environmental Science on the Flagship

3 weeks, May 18-June 7.....Dr. William J. Edwards, *US Department of Agriculture*
 Undergraduate Field Work or Experience. Students will experience ecosystems first-hand during this three-week course covering Great Lakes earth and marine science along with environmental policy. Much of this course includes sailing a tall ship, water sampling, fish trawling and dissections, and a general close-up on how lake science and ship handling works. Graded satisfactory or unsatisfactory (S/U).
 In addition to tuition, cost is \$1,700 for room/board and program fee. Stone Lab scholarship is not available for this course. 2 undergraduate credit hours.

EEOB 3310 • Evolution

Term, June 16-July 20, MWFDr. James S. Marshall, *Rockford College*
 Basic conceptual issues and processes in evolution with emphasis on the ecological basis of adaptation and consequences of natural selection. 4 undergraduate credit hours.

EEOB 3410 • Ecology

Term, June 16-July 20, MWFDr. Douglas D. Kane, *Defiance College*
 Distribution and abundance of species, population dynamics, community ecology, ecosystem dynamics, applied perspectives, and design and execution of experiments. 4 undergraduate credit hours.

EEOB 4950 • Field Ecology

Week 7, July 21-27Dr. Douglas D. Kane, *Defiance College*
 A field-based introduction to the distribution and abundance of animals and plants in pond, lake, river, marsh, beach, field, and woodland ecosystems for teachers, undergraduates, and graduate students. 2 undergraduate/graduate credit hours.

EEOB 4998 • Undergraduate Research in EEOB

Term, June 16- July 20Dr. Christopher J. Winslow, *Ohio State University*
 REU- Undergraduate research in evolution, ecology, and organismal biology. Prereq: 2 courses in Biological Sciences, and permission of instructor. Repeatable to a maximum of 12 cr hrs or 5 completions. This course is graded S/U. 2 undergraduate credit hours.

EEOB 5210 • Spider Biology

Week 1, June 9-15.....Dr. Richard A. Bradley, *Ohio State University*
 A focus on the biology of spiders, including functional anatomy, senses and perception, behavior, webs and web-building identification, classification and relationships, field techniques and ecology. 2 undergraduate/graduate credit hours.

EEOB 5420 • Aquatic Ecosystems – Ecology of Inland Waters

Term, June 16 – July 20, TRS.....Dr. Darren L. Bade, *Kent State University*
 Study of the physical, geological, chemical, and biological factors influencing freshwater life; field and laboratory techniques for determining lake morphometry, chemistry, and biological productivity are emphasized. 4 undergraduate/graduate credit hours.

EEOB 5910 • Field Herpetology

Week 1, June 9-15.....Ms. Kristin M. Stanford, *Northern Illinois University*
 Study of the distribution and classification of reptiles and amphibians of Ohio, which includes methods of field research, species identification, collection, preservation, and conservation. Course held at Old Woman Creek, Huron, Ohio, and at Stone Laboratory. Special room and meals fee while at Lab is \$168. At OWC additional meal costs are student's responsibility; lodging is free. 2 undergraduate/graduate credit hours.

EEOB 5930 • Ichthyology

Term, June 16-July 20, MWF Dr. Thomas P. Simon, *Indiana State University*
 Study of the distribution and classification of fishes, which includes methods of identification, collection, and preservation. 4 undergraduate/graduate credit hours.

EEOB 5940 • Field Zoology

Term, June 16-July 20, TRS Dr. Michael A. Hoggarth, *Otterbein College*
 Field and laboratory identification of aquatic and terrestrial vertebrates and invertebrates of the region, in relation to habitats occupied. 4 undergraduate/graduate credit hours.

EEOB 5950 • Algae Identification Workshop

Monday and Tuesday, August 5-6..... Dr. Rex L. Lowe, *Bowling Green State University*
 Hands-on, lecture, laboratory, and field workshop to learn collection, identification, preservation, enumeration, and control techniques and basic ecology of algae. Repeatable to a maximum of 6 credit hours. Graded satisfactory or unsatisfactory (S/U). May be taken as a non-credit workshop for \$352 that includes room and meals for one night and two days. Offered with Ohio EPA contact hours for certification. 0.5 undergraduate/graduate credit hours.

EEOB 5970 • Larval Fish Identification Workshop

Sunday, July 14..... Mr. John R. Hageman, *Ohio State University*, and
 Dr. Christopher J. Winslow (Instructor of Record), *Ohio State University*
 This workshop takes students, agency professionals, and other interested individuals through the techniques involved in the collection and identification of common larval fishes of the Lake Erie drainage basin. Graded satisfactory or unsatisfactory (S/U). May be taken as a non-credit workshop for \$275, which includes sack lunch and course materials.
 0.5 undergraduate/graduate credit hours.

Entomology 1260 • Introductory Insect Field Biology

Week 8, July 28-August 3..... Dr. David J. Horn, *Ohio State University*
 An introduction to the biology of insects and their relatives, with emphasis on behavior, ecology and diversity; collection is required. 2 undergraduate credit hours.

Environment and Natural Resources 2360 • Ecology and Conservation of Birds

Week 1, June 9-15..... Dr. Marja H. Bakermans, *Indiana University of Pennsylvania*
 Dr. Laura J. Kearns, *Ohio State University*
 Introduction to the ecology and conservation of birds, with special emphasis on field ornithology and student research projects. 2 undergraduate credit hours.

Environment and Natural Resources 4998 • Undergraduate Research in ENR

Term, June 16-July 20 Dr. Christopher J. Winslow, *Ohio State University*
 REU. 2 undergraduate credit hours.

Environment and Natural Resources 5611 • Great Lakes Education Workshop

Week 7, July 21-27..... Dr. Rosanne White Fortner, *Ohio State University*, and
 Ms. Lyndsey M. Manzo, *Westerville North High School*
 Techniques and curricula for presenting interdisciplinary aspects of the oceans and Great Lakes in formal and non-formal education settings. Ideal for formal educators of grades 4-10, teachers looking to earn HQT status, or non-formal educators working the Lake Erie watershed. Also open as a non-credit workshop for those not requiring credit hours. This course is co-sponsored by the Center for Great Lakes Literacy, whose Great Lakes Restoration Initiative funds allow us to offer \$500 scholarships for 10 selected educators. Request a separate application for the CGLL Scholarship from fortner.2@osu.edu.
 2 undergraduate/graduate credit hours.

Environment and Natural Resources 5699 • Current Topics in Environment and Engineering

Term, Thursday Evenings, June 13-August 1..... Dr. Christopher J. Winslow,
Ohio State University
 These seminars present research, management, and policy on Thursday evenings throughout the summer at Stone Laboratory (or on Columbus campus via video conferencing). Because of the 4th of July holiday, the lecture will be held on Tuesday, July 2, instead of Thursday. Must attend four seminars (eight lectures). Graded satisfactory or unsatisfactory (S/U).
 1 undergraduate/graduate credit hour.

KNSFHP 1140.05 • Lake Erie Sport Fishing

Week 1, June 9-15..... Mr. Tory A. Gabriel and
 Mr. Frederic L. Snyder, *Ohio State University*
 This physical education course is an introduction to techniques and equipment used in Lake Erie sport fishing featuring Lake Erie angling trips with lectures that include related aquatic science information. 2 undergraduate credit hours.

SPECIAL OFFERING:

Earth Sciences 5189.05 • Geologic Setting of Lake Erie

Week 1, Friday-Thursday, June 7-13..... Dr. Lawrence A. Krissek, *Ohio State University*
 Examination of geological features along the southern shore of Lake Erie during a week-long van trip, including an interpretation of the geologic history of Ohio in the Lake Erie basin, and examination of relationships between human activity and the geology of the area. Class will originate from and end at the Fawcett Center in Columbus, Ohio. In addition to tuition, cost for room, meals, and transportation during one-week long van trip will approximately be \$600.
 2 undergraduate/graduate credit hours.

NON-CREDIT WORKSHOPS:

Outdoor Photography Workshop

Friday to Sunday, August 9-11 Dr. Jeremy T. Bruskotter, *Ohio State University*, and
 Mr. Jim Doty, *Freelance Photographer*
 Field photography sessions using the natural and cultural subjects unique to the Lake Erie Islands are interspersed with classroom discussions and photo critiques of each student's work. Emphasis on digital techniques. Must be familiar with the operation of a digital camera. Student supplies own camera. Workshop fee is \$410. Cost includes room and meals for two nights and three days.

Lake Erie Sport Fishing Workshop

CANCELLED

Friday to Sunday, September 20-22 Mr. Tory A. Gabriel and
Mr. Frederic L. Snyder, *Ohio State University*

An intensive workshop designed to give participants a background in technical concepts used by anglers with a focus on fishing experience. Stone Laboratory vessels will be used for walleye and smallmouth bass fishing; rowboats will be available during off hours for pursuit of largemouth bass and panfish. Lectures will provide background in gamefish behavior and fishing techniques. Personal fishing gear is recommended but not required. A valid Ohio fishing license must be obtained prior to arrival. Workshop fee is \$410. Cost includes room and meals for two nights and three days.

Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds

Wednesday-Thursday, August 7-8....Mr. Richard C. Lorenz, *City of Westerville Water Department*,
Dr. Dean A. Reynolds, *City of Alliance Department of Water Treatment*, and others

Understanding toxin production by algae and strategies for water professionals to manage toxins and taste/odor issues. Offered with contact hours for Ohio EPA certified operators. Workshop fee of \$352 includes room and meals for one night and two days.

Fish-Sampling Techniques Workshop

Saturday-Sunday, September 14-15 Mr. Eugene C. Braig, *Ohio State University*,
Mr. Benjamin A. Rich, *Ohio EPA*, and Mr. Eric Weimer, *Ohio Department of Natural Resources*

An intensive, two-day workshop designed to demonstrate the fish-sampling gears most commonly used by the Ohio Department of Natural Resources- Division of Wildlife (ODW) and Ohio Environmental protection Agency (OEPA) for undergraduate students interested in seasonal agency work and fisheries biology professions. Stone Lab, ODW, and OEPA biologists provide hands-on experience with fyke nets, gill nets, trawls, and boat-based as well as wading electrofishing methods. Offered over one weekend early in autumn quarter. Workshop fee is \$192. Cost includes room and meals for one night and two days.

TABLE 18

**Stone Laboratory Curriculum
2014**

Earth Sciences 1107 • Field-Based Introduction to Oceanography

Week 7, July 27-August 2..... Dr. Lawrence A. Krissek, *Ohio State University*
Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geologic significance. 2 undergraduate credit hours.

Earth Sciences 5189.05 • Geologic Setting of Lake Erie

Week 1, Friday-Thursday, June 7-13..... Dr. Lawrence A. Krissek, *Ohio State University*
Examination of geological features along the southern shore of Lake Erie during a week-long van trip, including an interpretation of the geologic history of Ohio in the Lake Erie basin, and examination of relationships between human activity and the geology of the area. Class will originate from and end at the in Columbus, Ohio. In addition to tuition, cost for room, meals, and transportation during one-week long van trip will be approximately \$600.
2 undergraduate/graduate credit hours.

Earth Sciences 5584 • Principles of Oceanography for Educators

Week 1, June 15-June 21..... Dr. Lawrence A. Krissek, *Ohio State University*
Origin, development, and structure of ocean basins and their contents; contemporary oceanic processes of geologic significance. Discussions of effective classroom presentations of oceanic principles. 2 undergraduate/graduate credit hours.

EEOB 1910 • Introduction to Biological Studies – Local Plants

CANCELLED

Week 8, July 28-August 3.....Ms. Lisa A Kutschbach-Brohl, *US Department of Agriculture*
Structures, processes, and stages of the plant life cycle; common families of flowering plants; plant geography, ecology and conservation; and uses of plants. 2 Undergraduate credit hours.

EEOB 1930 • Introduction to Biological Studies- Aquatic Biology

Week 1, June 15-21..... Dr. Lauren M. Pintor, *Ohio State University*
Week 7, July 27-August 2.....Dr. Justin D. Chaffin, *Ohio State University*
Week 8, August 3-August 8Dr. Christopher J. Winslow, *Ohio State University*
An introduction to the components of the ecosystem in freshwater aquatic environments. 2 undergraduate credit hours.

EEOB 3189 • Field Course: Environmental Science on the Flagship

3 weeks, June 10-July 4.....Dr. William J. Edwards, *US Department of Agriculture*;
Mr. Matt A. Thomas, *Ohio State University*, and;
Dr. Christopher J. Winslow (Instructor of Record), *Ohio State University*
Undergraduate Field Work or Experience. Students will experience ecosystems first-hand during this three-week course covering Great Lakes earth and marine science along with environmental policy. Much of this course includes sailing a tall ship, water sampling, fish trawling and dissections, and a general close-up on how lake science and ship handling works. Graded satisfactory or unsatisfactory (S/U).
In addition to tuition, cost is \$1,700 for room/board and program fee. Stone Lab scholarship is not available for this course. 2 undergraduate credit hours.

EEOB 3310 • Evolution

Term, June 22-July 26, MWF Dr. James S. Marshall, *Rockford College*
 Basic conceptual issues and processes in evolution with emphasis on the ecological basis of adaptation and consequences of natural selection. 4 undergraduate credit hours.

EEOB 3410 • Ecology

Term, June 22-July 26, MWF Dr. Douglas D. Kane, *Defiance College*
 Distribution and abundance of species, population dynamics, community ecology, ecosystem dynamics, applied perspectives, and design and execution of experiments. 4 undergraduate credit hours.

EEOB 4950 • Field Ecology

Week 7, July 27-August 2 Dr. Douglas D. Kane, *Defiance College*
 A field-based introduction to the distribution and abundance of animals and plants in pond, lake, river, marsh, beach, field, and woodland ecosystems for teachers, undergraduates, and graduate students. 2 undergraduate/graduate credit hours.

EEOB 4998 • Undergraduate Research in EEOB

Term, June 22- July 26 Dr. Justin D. Chaffin, *Ohio State University*
 Three-week session, July 27- August 16 Dr. Justin D. Chaffin, *Ohio State University*
 REU- Undergraduate research in evolution, ecology, and organismal biology. Prereq: 2 courses in Biological Sciences, and permission of instructor. Repeatable to a maximum of 12 cr hrs or 5 completions. This course is graded S/U. Term enrollment is for 2 undergraduate credit hours and three-week session is for 1 undergraduate credit hour.

EEOB 5210 • Spider Biology

CANCELLED

Week 1, August 3-9 Dr. Richard A. Bradley, *Ohio State University*
 A focus on the biology of spiders, including functional anatomy, senses and perception, behavior, webs and web-building identification, classification and relationships, field techniques and ecology. 2 undergraduate/graduate credit hours.

EEOB 5420 • Aquatic Ecosystems – Ecology of Inland Waters

Term, June 22 – July 26, TRS Dr. Darren L. Bade, *Kent State University*
 Study of the physical, geological, chemical, and biological factors influencing freshwater life; field and laboratory techniques for determining lake morphometry, chemistry, and biological productivity are emphasized. 4 undergraduate/graduate credit hours.

EEOB 5910 • Field Herpetology

Week 1, June 15-21 Ms. Kristin M. Stanford, *Northern Illinois University*

Study of the distribution and classification of reptiles and amphibians of Ohio, which includes methods of field research, species identification, collection, preservation, and conservation. Course held at Old Woman Creek, Huron, Ohio, and at Stone Laboratory. Special room and meals fee while at Lab is \$168. At OWC additional meal costs are student's responsibility; lodging is free. 2 undergraduate/graduate credit hours.

EEOB 5930 • Ichthyology

Term, June 22-July 26, MWF Dr. Thomas P. Simon, *Indiana State University*
 Study of the distribution and classification of fishes, which includes methods of identification, collection, and preservation. 4 undergraduate/graduate credit hours.

EEOB 5940 • Field Zoology

Term, June 22-July 26, TRS Dr. Michael A. Hoggarth, *Otterbein College*
 Field and laboratory identification of aquatic and terrestrial vertebrates and invertebrates of the region, in relation to habitats occupied. 4 undergraduate/graduate credit hours.

EEOB 5950 • Algae Identification Workshop

Monday and Tuesday, August 11-12Dr. Rex L. Lowe, *Bowling Green State University*
 Hands-on, lecture, laboratory, and field workshop to learn collection, identification, preservation, enumeration, and control techniques and basic ecology of algae. Repeatable to a maximum of 6 credit hours. Graded satisfactory or unsatisfactory (S/U). May be taken as a non-credit workshop for \$352 that includes room and meals for one night and two days. Offered with Ohio EPA contact hours for certification. 0.5 undergraduate/graduate credit hours.

EEOB 5970 • Larval Fish Identification Workshop

Tuesday, July 29 Mr. John R. Hageman, *Ohio State University*, and
 Dr. Christopher J. Winslow (Instructor of Record), *Ohio State University*
 This workshop takes students, agency professionals, and other interested individuals through the techniques involved in the collection and identification of common larval fishes of the Lake Erie drainage basin. Graded satisfactory or unsatisfactory (S/U). May be taken as a non-credit workshop for \$275, which includes sack lunch and course materials. 0.5 undergraduate/graduate credit hours.

Entomology 1260 • Introductory Insect Field Biology

Week 8, July-August 2Dr. David J. Horn, *Ohio State University*
 An introduction to the biology of insects and their relatives, with emphasis on behavior, ecology and diversity; collection is required. 2 undergraduate credit hours.

Environment and Natural Resources 2360 • Ecology and Conservation of Birds

Week 1, June 15-21Dr. Laura J. Kearns, *Ohio State University*
 Introduction to the ecology and conservation of birds, with special emphasis on field ornithology and student research projects. 2 undergraduate credit hours.

Environment and Natural Resources 4998 • Undergraduate Research in ENR

Term, June 16-July 20 Dr. Christopher J. Winslow, *Ohio State University*
 REU. 2 undergraduate credit hours.

Environment and Natural Resources 5194 • Climate and Sustainability

Week 8, July 29-August 4 Ms. Jennifer Harrison, *Ohio State University*;
 Dr. Jay F. Martin, *Ohio State University*; Dr. Richard H. Moore, *Ohio State University*;
 and Dr. Robyn Wilson, *Ohio State University*
 A field-based introduction to the interdisciplinary aspects of climate change, water quality, local watersheds leading to Lake Erie and the effects of corn and soybean production on and from the environment. This class is for teachers, undergraduates, and graduate students.
 2 undergraduate/graduate credit hours.

Environment and Natural Resources 5614 • Marine and Aquatic Education

Week 8, August 3-9..... Dr. Rosanne W. Fortner, *Ohio State University*
 Techniques and curricula for comparing issues and science of the oceans and Great Lakes in formal and non-formal education settings. Subject matter based on Ocean Literacy and Great Lake Literacy principles. Includes Project WET certification. Ideal for formal educators of grades 4-10, teachers looking to earn HQT status, or non-formal educators. Also open as a non-credit workshop for those not requiring credit hours. 2 undergraduate/graduate credit hours.

Environment and Natural Resources 5699 • Current Topics in Environment and Engineering

Term, Thursday Evenings, June 19-August 7..... Dr. Christopher J. Winslow,
Ohio State University
 These seminars present research, management, and policy on Thursday evenings throughout the summer at Stone Laboratory (or on Columbus campus via video conferencing). Because of the 4th of July holiday, the lecture will be held on Tuesday, July 2, instead of Thursday. Must attend four seminars (eight lectures). Graded satisfactory or unsatisfactory (S/U).
 1 undergraduate/graduate credit hour.

KNSFHP 1140.05 • Lake Erie Sport Fishing

Week 1, June 15-21..... Mr. Tory A. Gabriel and
 Mr. Frederic L. Snyder, *Ohio State University*
 This physical education course is an introduction to techniques and equipment used in Lake Erie sport fishing featuring Lake Erie angling trips with lectures that include related aquatic science information. 2 undergraduate credit hours.

NON-CREDIT WORKSHOPS:

Outdoor Photography Workshop

Friday to Sunday, August 15-17 Dr. Jeremy T. Bruskotter, *Ohio State University*, and
 Mr. Jim Doty, *Freelance Photographer*
 Field photography sessions using the natural and cultural subjects unique to the Lake Erie Islands are interspersed with classroom discussions and photo critiques of each student's work. Emphasis on digital techniques. Must be familiar with the operation of a digital camera. Student supplies own camera. Workshop fee is \$410. Cost includes room and meals for two nights and three days.

Lake Erie Sport Fishing Workshop

CANCELLED

Friday to Sunday, August 29-31 Mr. Tory A. Gabriel and
 Mr. Frederic L. Snyder, *Ohio State University*
 An intensive workshop designed to give participants a background in technical concepts used by anglers with a focus on fishing experience. Stone Laboratory vessels will be used for walleye and smallmouth bass fishing; rowboats will be available during off hours for pursuit of largemouth bass and panfish. Lectures will provide background in gamefish behavior and fishing techniques. Personal fishing gear is recommended but not required. A valid Ohio fishing license must be obtained prior to arrival. Workshop fee is \$410. Cost includes room and meals for two nights and three days.

Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds

Wednesday-Thursday, August 13-14..... Mr. Richard C. Lorenz,
City of Westerville Water Department;
 Dr. Richard P. Stumpf, *NOAA;* and others

Understanding toxin production by algae and strategies for water professionals to manage toxins and taste/odor issues. Offered with contact hours for Ohio EPA certified operators. Workshop fee of \$352 includes room and meals for one night and two days.

Fish-Sampling Techniques Workshop

Saturday-Sunday, October 11-12..... Mr. Eugene C. Braig, *Ohio State University;*
 Mr. Benjamin A. Rich, *Ohio EPA;* and Mr. Eric Weimer, *Ohio Department of Natural Resources*

An intensive, two-day workshop designed to demonstrate the fish-sampling gears most commonly used by the Ohio Department of Natural Resources- Division of Wildlife (ODW) and Ohio Environmental protection Agency (OEPA) for undergraduate students interested in seasonal agency work and fisheries biology professions. Stone Lab, ODW, and OEPA biologists provide hands-on experience with fyke nets, gill nets, trawls, and boat-based as well as wading electrofishing methods. Offered over one weekend early in autumn quarter. Workshop fee is \$192. Cost includes room and meals for one night and two days.

TABLE 19

**Stone Laboratory Student Roster
2006**

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Lacey Acierno	Bedford	Sophomore	Biology	Bio Sci	Cuyahoga Comm Coll
Lisa Anderson	Elyria	HS Sophomore	HS Student	HS Student	Elyria High
Megan Ault	Mineral Ridge	HS Sophomore	HS Student	HS Student	Mineral Ridge High
Brian Balog	Cleveland	Junior	Biology	Bio Sci	Baldwin-Wallace Coll
Rosemary Balsinger	Medina	Grad Nondegree	Grad Nondegree	Graduate	OSU
Jamie Barnum	Columbus	HS Sophomore	HS Student	HS Student	Whetstone High
Amy Barrett	Rome	Senior	Envir Sci	Nat Res	OSU
Sarah Beganyi	Hinckley	Junior	Biology	Bio Sci	Baldwin-Wallace Coll
Brittany Bennett	Akron	HS Junior	HS Student	HS Student	Garfield High
Lisa Bircher	Columbiana	Ph.D.	Biology	Graduate	OSU
Matthew Boothe	Columbus	HS Sophomore	HS Student	HS Student	Beardsley Acad Lrng Ctr
Gloria Brown	Johnstown	Junior	Mid Childhood Ed	Education	OSU-Newark
Justin Brown	Taft CA	Master's	Natural Resources	Graduate	OSU
Erica Brumbaugh	Sunbury	Master's	Water Resources	Graduate	OSU
Christopher Castorani	Columbus	Junior	Biology	Bio Sci	OSU
Justin Chaffin	Collins	Senior	Biology	Bio Sci	Bowling Green State Univ
Philip Chaon	Cleveland Hts	HS Sophomore	HS Student	HS Student	Cleveland Heights High
Hyun Jin Cho	Columbus	Ph.D.	AEDE	Graduate	OSU
Daniel Clarke	Mansfield	HS Sophomore	HS Student	HS Student	St Peter's High
Rhonda Cline	Columbus	HS Sophomore	HS Student	HS Student	Centennial High
Travis Coates	Columbus	Junior	Natural Resources	Nat Res	OSU
TaTiana Collins	Cleveland	HS Junior	HS Student	HS Student	Health Careers Center
Gregory Cook	Ashtabula	HS Senior	HS Student	HS Student	Geneva Area High
Karen Cook-Hoggarth	Westerville	Master's	Education	Graduate	OSU
Valerie Crane	Columbus	Master's	EEOB	Graduate	OSU
Margaret Cray	Ann Arbor MI	Junior	Zoology	Bio Sci	OSU
Jacob Davidson	Vermilion	Junior	Fisheries	Nat Res	OSU
Leonard Davidson	Vermilion	Workshop	Workshop	Workshop	OSU
Jeremiah Davis	Sandusky	Senior	Biology	Bio Sci	Bowling Green State Univ
Ashton Dearing	Westerville	HS Sophomore	HS Student	HS Student	St Francis De Sales High
Elizabeth Demyanick	Columbus	Master's	Geology	Graduate	OSU
Amanda Dinsmore	Columbus	HS Sophomore	HS Student	HS Student	Fort Hayes Career Ctr Voc
Meredith Duffy	Cincinnati	HS Junior	HS Student	HS Student	Walnut Hills High
Annamaria Easley	Akron	HS Junior	HS Student	HS Student	Our Lady of the Elms High
Gene Eckler	Norwalk	Workshop	Workshop	Workshop	OSU
Ibraheem ElGallad	Columbus	HS Senior	HS Student	HS Student	Eastmoor High
Justin Evans	Berea	Junior	Envtl Studies	Intrdiscplnry	Hiram Coll
Allyson Finn	Sandusky	Junior	Management	Arts & Sci	Wittenberg Univ
Linda Ford	Cincinnati	Workshop	Workshop	Workshop	OSU
Casey Fox	Huron	Junior	Biology	Biology	Baldwin-Wallace Coll
David Fredle	Cuyahoga Falls	Workshop	Workshop	Workshop	OSU
Judith French	Columbus	Ph.D.	Science Ed	Graduate	OSU
Joseph Freundlich	Lexington	HS Junior	HS Student	HS Student	Lexington High
Nick Ganzfried	Columbus	HS Junior	HS Student	HS Student	Bishop Watterson High
Colleen Garrett	Wauseon	Postgraduate	Cont Ed	Cont Ed	OSU
Jonathon Gatlin	Oberlin	Workshop	Workshop	Workshop	OSU
Lana Geiling	Utica	Senior	Anthropology	Arts & Sci	OSU

Table 19 – 2007 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Kayla Giannetti	Cleveland	HS Sophomore	HS Student	HS Student	James Ford Rhodes High
Taylor Gleaves	Lexington	HS Junior	HS Student	HS Student	Lexington High
Emily Goodwyn	Hilliard	HS Junior	HS Student	HS Student	Hilliard Davidson High
Vickie Gordon	Springfield	Workshop	Workshop	Workshop	OSU
Bret Graves	Columbus	Master's	Wildlife Ecology	Graduate	OSU
Sean Grosz	Wickliffe	Grad Nondegree	Education Admin	Graduate	OSU
Christopher Haldeman	Bucyrus	HS Sophomore	HS Student	HS Student	Bucyrus High
Michael Hall	Galloway	Postgraduate	Education	Cont Ed	OSU
Samantha Hall	Canfield	Sophomore	Envir Sci	Nat Res	OSU
Martha Hanley	Maumee	HS Senior	HS Student	HS Student	Toledo Christian High
Amber Hanna	Columbus	Senior	Envir Sci	Nat Res	OSU
Wesley Hatch	Chagrin Falls	HS Junior	HS Student	HS Student	Univ High
Lauren Heironimus	Worthington	HS Senior	HS Student	HS Student	Thomas Worthington High
Bradley Henry	Columbus	Senior	Education	Education	OSU
Norma Hershberger	Canton	Grad Nondegree	Grad Nondegree	Graduate	OSU
Zane Hill	Kent	HS Sophomore	HS Student	HS Student	Roosevelt High
Rachel Hintz	Pickerington	Ph.D.	Science Ed	Graduate	OSU
Lauren Hitchcock	Columbus	Senior	Wildlife Mgt	Nat Res	OSU
Benjamin Hobbs	Lakewood	Postgraduate	Education	Cont Ed	OSU
David Holscott	Put-in-Bay	Workshop	Workshop	Workshop	OSU
Erica Hubbert	Cincinnati	Senior	Biology	Bio Sci	OSU
Ryan Huffman	Medina	Sophomore	Biology	Bio Sci	Cuyahoga Comm Coll
Erin Hunter	New London	Sophomore	Biology	Bio Sci	OSU-Mansfield
Megan Johns	Columbus Grove	HS Junior	HS Student	HS Student	Columbus Grove High
Stephan Johnson	Canton	Senior	Biology	Bio Sci	Baldwin-Wallace Coll
Douglas Johnston	Columbus	Senior	Molec Genetics	Bio Sci	OSU
Rachel Keaty	Warren	Junior	Mid Childhood Ed	Arts & Sci	OSU
Vanden Kovacs	Geneva	Senior	Biology	Bio Sci	Baldwin-Wallace Coll
Bethany Kyre	Columbus	HS Junior	HS Student	HS Student	Centennial High
Levi Lackey	Guysville	HS Junior	HS Student	HS Student	Federal Hocking High
Tyler Lawson	Columbia Station	Senior	Biology	Biology	Baldwin-Wallace Coll
Kristen Lear	Cincinnati	HS Junior	HS Student	HS Student	Finneytown High
Mary LeFever	Gahanna	Ph.D.	Science Ed	Graduate	OSU
Holly Leibold	Canal Winchester	HS Junior	HS Student	HS Student	Madison Christian Jr High
Patricia Leitner	Elyria	Senior	Mid Childhood Ed	Arts & Sci	OSU
Sheila Lewicki	Avon	Master's	Grad Nondegree	Graduate	OSU
Rhiannon Lindquist	Pickerington	Grad Nondegree	Grad Nondegree	Graduate	OSU
Amanda Looney	New Albany	Ph.D.	Education	Graduate	OSU
Kyle Loper	Marion	Master's	Natural Resources	Graduate	OSU
Adrea Lovejoy	Columbus	Master's	Entomology	Graduate	OSU
Cam Ly	Columbus	Senior	Mid Childhood Ed	Arts & Sci	OSU
Lauren Mader	Upper Arlington	HS Junior	HS Student	HS Student	Upper Arlington High
Lyndsey Manzo	Columbus	Grad Nondegree	Natural Resources	Graduate	OSU
Kevin Marasch	Broadview Hts	HS Junior	HS Student	HS Student	North Royalton High
Mary Marasco	Waterford MI	Senior	Envir Sci	Nat Res	OSU
Jesse Marcum	Columbus	Senior	EEOB/Spanish	Bio Sci	OSU
Lindsey Martin	Newark	Workshop	Workshop	Workshop	OSU
Autumn McCormick	Lewis Center	Master's	Science Ed	Graduate	OSU
Craig McDonald	Granville	Master's	Environmental Ed	Graduate	OSU
Dianne McDonald	Granville	Grad Nondegree	Education	Graduate	OSU
Derek Middaugh	Rossford	HS Senior	HS Student	HS Student	Rossford High
Geoffrey Miller	Brecksville	HS Sophomore	HS Student	HS Student	Padua Franciscan High
James Miller	Fairview Park	Master's+	Grad Nondegree	Education	Ashland Univ

Table 19 – 2007 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Priyanka Mitra	Cincinnati	HS Junior	HS Student	HS Student	Indian Hill High
Michael Murphy	Dayton	Sophomore	Biology	Bio Sci	OSU
Abdul Murshedkar	Columbus	Sophomore	Business	Business	OSU
Jeffrey Niehaus	Medina	Postgraduate	Biology	Cont Ed	OSU
Jessica Niemantsverdriet	Medina	Grad Nondegree	Grad Nondegree	Graduate	OSU
Megan Nims	Toledo	Sophomore	Poli Sci/Spanish	Arts & Sci	OSU
Eloise Nixt	Marion	Master's	Education	Graduate	OSU
Henry Nixt	Marion	Postgraduate	Education Admin	Cont Ed	OSU
Amelia Noble	Worthington	HS Junior	HS Student	HS Student	Thomas Worthington High
Daniella Nordin	Pickerington	Senior	Natural Resources	FAES	OSU
Jeremy Norris	Canton	HS Sophomore	HS Student	HS Student	McKinley High
William Novak	Columbia Station	Workshop	Workshop	Workshop	OSU
James O Connor	Hillsboro	Grad Nondegree	Education	Graduate	OSU
Georgia O Hara	Columbus	Master's	Bio Sci Ed	Graduate	OSU
Jennifer Olson	Arlinton Hts IL	Ph.D.	Biological Sciences	Graduate	OSU
Sarah Osicka	Lakewood	Senior	Biology	Bio Sci	Baldwin-Wallace Coll
Frank Pajcic	Strongville	Workshop	Workshop	Workshop	OSU
Wesley Parquette	Arlington Hts IL	Senior	Zoology	Arts & Sci	OSU
Emma Paxton	Maineville	HS Junior	HS Student	HS Student	Ursuline Academy High
Michelle Peck	Cleveland	Junior	Biology	Bio Sci	Baldwin-Wallace Coll
Joy Pietkiewicz	Poland	Master's	Biological Sciences	Graduate	OSU
Angela Pineiro	Columbus	HS Junior	HS Student	HS Student	Grandview Heights High
Dustin Powers	Columbus	Junior	Zoology	Arts & Sci	OSU
Michael Quinn	Chardon	Junior	Natural Resources	Nat Res	OSU
Andrew Raber	N Canton	Junior	Mid Childhood Ed	Arts & Sci	OSU
Rayna Ratcliff	Chillicothe	HS Junior	HS Student	HS Student	Unioto High
Kacy Ray	Columbus	Senior	For, Fish & Wldlf	Nat Res	OSU
Amy Rether	Delaware	Junior	Natural Resources	Nat Res	OSU
Dale Rhoda	Worthington	Master's	Statistics	Graduate	OSU
Keri Rodgers	Hilliard	Grad Nondegree	Cont Ed	Arts & Sci	OSU
Eric Roy	Virginia Beach VA	Master's	Bio Engr	Graduate	OSU
Aparna Sathyanarayan	Columbus	Master's	EEOB/Comptr Sci	Graduate	OSU
Andrew Schenkel	Urbana	HS Junior	HS Student	HS Student	Urbana High
David Scott	Troy	Workshop	Workshop	Workshop	OSU
Allison Sendelbach	Tiffin	Junior	Fishrs & Wldlf Mgt	Nat Res	OSU
Adam Shands	Shaker Hts	HS Junior	HS Student	HS Student	Shaker Heights High
Victoria Sheppard	Columbus	HS Sophomore	HS Student	HS Student	Marion-Franklin High
David Shuster-Tucker	Lakewood	HS Junior	HS Student	HS Student	Lakewood High
Jessica Sizemore	Miamisburg	Junior	Zoology	Bio Sci	OSU
Jessica Smith	Elyria	HS Junior	HS Student	HS Student	Elyria High
Melitta Smith	Columbus	Senior	Natural Resources	FAES	OSU
Michael Sovic	Hilliard	Master's	EEOB	Graduate	OSU
Brian Speer	Norwalk	Senior	Envir Sci	Bio Sci	Ashland Univ
Stephanie Stadnik	Harrisburg PA	Sophomore	Natural Resources	FAES	OSU
Stacey Steigerwald	Delaware	HS Sophomore	HS Student	HS Student	Rutherford B Hayes High
Aaron Steinke	Sidney	Senior	Education	Arts & Sci	OSU
Alisha Stoll	Columbus	Senior	Math & Science	Education	OSU
Alice Stone	Cleveland	Grad Nondegree	Urban Education	Graduate	OSU
Jake Straub	Appleton WI	Master's	Wildlife Mgt	Graduate	OSU
Erica Taylor	Stow	HS Junior	HS Student	HS Student	Stow-Munroe Falls High
Susan Taylor	Toledo	Postgraduate	Cont Ed	Cont Ed	OSU
Marshall Thompson	Columbus	Workshop	Workshop	Workshop	OSU
Parker Thompson	Hilliard	Workshop	Workshop	Workshop	OSU

Table 19 – 2007 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
William Thompson	Hilliard	Workshop	Workshop	Workshop	OSU
Sarah Tondra	Marysville	Master's	Biological Sciences	Bio Sci	Univ of Maryland, MD
Christina Tonges	Loveland	Senior	Wildlife Mgt	Nat Res	OSU
Brian Tornabene	North Olmsted	Junior	Biology	Bio Sci	Baldwin-Wallace Coll
Brittany Toth	Canal Winchester	HS Sophomore	HS Student	HS Student	Pickerington High
Tamara Trouts	Columbus	Ph.D.	Envir Sci	Graduate	OSU
Kyle Tulisiak	Medina	Junior	For, Fish & Wldlf	Nat Res	OSU
Brian Villalon	Green Springs	Grad Nondegree	Grad Nondegree	Graduate	OSU
Sherr Vue	Akron	Junior	Fisheries Science	Nat Res	OSU
Alison Wagner	Westerville	HS Junior	HS Student	HS Student	Westerville-South High
Jarod Waybright	Vermilion	HS Sophomore	HS Student	HS Student	Vermilion High
Robert Weilbacher	Columbus	HS Senior	HS Student	HS Student	Marion-Franklin High
Tiffany Wild	Canal Winchester	Ph.D.	Edu T&L	Graduate	OSU
Alison Willingham	Tehachapi CA	Master's	Natural Resources	Graduate	OSU
Matthew Wilson	Cortland	HS Senior	HS Student	HS Student	Maplewood Jr Sr High
Charles Woliver	Columbus	Postgraduate	Cont Ed	Cont Ed	OSU
Eugenie Wu	Columbus	Junior	Biology	Bio Sci	OSU
Jennifer Yi	Englewood	Sophomore	Zoology	Arts & Sci	OSU
Heather Zakrajsek	Stow	Workshop	Workshop	Workshop	OSU
Hongyan Zhang	Ann Arbor MI	Ph.D.	Limnology	Graduate	OSU

FAES=Food, Agriculture, and Environmental Sciences

Note: Affiliation of non-credit workshop participants is indicated as OSU if not currently enrolled in a university.

TABLE 20

**Stone Laboratory Student Roster
2007**

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Amy Aerni	Rocky River	Senior	Env Science	Arts & Sci	Miami Univ
Nick Agins	Columbus	Senior	Fish Sci	Bio Sci	OSU
Pamela Argabrite	Kettering	Grad Nondegree	Grad Nondegree	Graduate	OSU
Glenn Arnett	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Paul Badger	Polk	Program 60	Program 60	Program 60	OSU
Angela Bainter	Lancaster	HS Senior	HS Student	HS Student	Bloom-Carroll High
Jacob Baird	Westerville	HS Sophomore	HS Student	HS Student	Metro High
Zach Balch	Richwood	Senior	Mid Childhood Ed	Education	OSU
Erik Balster	Dayton	Senior	Zoology	Bio Sci	OSU
Olivia Barone	Maumee	HS Sophomore	HS Student	HS Student	Notre Dame Academy
Eugene Billenstein	Ansonia	Workshop	Workshop	Workshop	OSU
Jeffrey Billenstein	Ansonia	Workshop	Workshop	Workshop	OSU
Lisa Bircher	Columbiana	Ph.D.	Curr & Instruction	Education	Kent State Univ
Susan Bishop	Columbus	Senior	Wildlife Mgt	Bio Sci	OSU
Galen Black	Chagrin Falls	Workshop	Workshop	Workshop	OSU
Christopher Boehler	Tiffin	Senior	Water Resources	Bio Sci	Heidelberg Coll
Marylouise Bohannon	Georgetown	HS Junior	HS Student	HS Student	Georgetown Jr/Sr High
Stephanie Bohlen	Circleville	Junior	Zoology	Bio Sci	OSU
John Bourne	Grove City	Junior	Zoology	Bio Sci	OSU
Carol Bowman	Marion	Grad Nondegree	Grad Nondegree	Graduate	OSU
Zachary Brazik	Galloway	HS Sophomore	HS Student	HS Student	Metro High
Gloria Brown	Johnstown	Senior	Mid Childhood Ed	Education	OSU-Newark
Laura Bruner	Wauseon	Junior	Plant Pathology	FAES	OSU
Alex Buchan	Columbus	HS Sophomore	HS Student	HS Student	Metro High
David Buckle	Cleveland	Grad Nondegree	Grad Nondegree	Graduate	OSU
Gareth Burghes	Columbus	HS Junior	HS Student	HS Student	Wellington High
Meagan Carter	Plymouth	Junior	Biology	Bio Sci	OSU-Mansfield
James Cash	Upper Arlington	Grad Nondegree	Grad Nondegree	Graduate	OSU
Brandon Castle	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Christopher Castorani	Hockessin DE	Senior	EEOB	Bio Sci	OSU
Abbey Chrystal	Columbus	Master's	Earth Sciences	Graduate	OSU
Brian Clark	Tallmadge	HS Sophomore	HS Student	HS Student	Cuyahoga Christian Acad
Brooke Cochran	Westerville	Grad Nondegree	Grad Nondegree	Graduate	OSU
Karen Cook-Hoggarth	Westerville	Master's	Natural Resources	Graduate	OSU
Margaret Crary	Ann Arbor MI	Senior	Zoology	Bio Sci	OSU
Justin Cronau	Powell	HS Junior	HS Student	HS Student	Village Academy
Christian Cruz	Wooster	Master's	Plant Pathology	Graduate	OSU
Matthew Custis	Columbus	Senior	Biology	Arts & Sci	OSU
Justin Davis	Sylvania	Senior	Biology	Bio Sci	OSU
Linda Davis	Dayton	Workshop	Workshop	Workshop	OSU
Stephen Davis	Dayton	Workshop	Workshop	Workshop	OSU
Carola De La Torre Cuba	Columbus	Master's	Plant Pathology	Graduate	OSU
Ashton Dearing	Westerville	HS Junior	HS Student	HS Student	St Francis De Sales High
Kimberly Delong	Cincinnati	HS Junior	HS Student	HS Student	Sycamore High
Ann DeWitt	Columbus	HS Sophomore	HS Student	HS Student	Bishop Watterson High
Brian Dickmann	Hilliard	Grad Nondegree	Grad Nondegree	Graduate	OSU
Micah Dillard	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Andrea Drochak	Elyria	HS Senior	HS Student	HS Student	Elyria High

Table 20 – 2007 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Gwen Dubelko	North Olmsted	Senior	Env Science	Nat Res	OSU
Megan Eckardt	Bay Village	Senior	Biology/Psych	Arts & Sci	Vanderbilt Univ, TN
Gene Eckler	Norwalk	Workshop	Workshop	Workshop	OSU
Sawsan Elateek	Columbus	Ph.D.	Plant Pathology	Graduate	OSU
Brie Elking	Loveland	HS Junior	HS Student	HS Student	Loveland High
Heather Elverson	Worthington	Senior	Biology	Bio Sci	OSU
Elizabeth Engoren	Toledo	HS Junior	HS Student	HS Student	Sylvania Southview High
Elizabeth Fillmore	Columbus	Junior	Science	Arts & Sci	Cols State Comm Coll
Susan Fillmore	Columbus	Workshop	Workshop	Workshop	OSU
Kaitlyn Foltz	Mansfield	HS Junior	HS Student	HS Student	St Peter's High
Judith French	Columbus	Ph.D.	Science Edu	Graduate	OSU
Cherrelle Gardner	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Jonathon Gatlin	Oberlin	Workshop	Workshop	Workshop	OSU
Jennifer Godwin	Columbus	Master's	Env Science	Graduate	OSU
Matthew Godwin	Lima	Junior	Islamic Studies	Arts & Sci	OSU
Jazmine Gordon	Columbus	HS Sophomore	HS Student	HS Student	Northland High
William Gort	Columbus	Senior	Biology	Bio Sci	OSU
Mike Green	North Ridgeville	Junior	Natural Resources	Nat Res	OSU
Rebekah Green	Chillicothe	Junior	Spanish	Arts & Sci	OSU
Angela Greene	Medway	Grad Nondegree	Grad Nondegree	Graduate	OSU
Ciara Greenlee	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Jacqueline Hagan	Kettering	Workshop	Workshop	Workshop	OSU
James Hagan	Kettering	Workshop	Workshop	Workshop	OSU
Luke Hall	Cuyahoga Falls	HS Sophomore	HS Student	HS Student	Cuyahoga Christian Acad
Michael Hall	Galloway	Post-Graduate	Cont Ed	Cont Ed	OSU
Keith Hanson	Berea	Senior	Biology	Bio Sci	Baldwin-Wallace Coll
Paul Hartzog	Lima	Senior	Zoology	Bio Sci	OSU
Kimberly Harvey	Shauck	Grad Nondegree	Grad Nondegree	Graduate	OSU
Loretta Harvey	Sciotoville	Ph.D.	Education	Graduate	OSU
Devin Hayes	Cincinnati	HS Junior	HS Student	HS Student	Mount Notre Dame High
Zachary Haynes	Canal Winchester	HS Sophomore	HS Student	HS Student	Metro High
Sarah Hecht	Bexley	HS Sophomore	HS Student	HS Student	Bexley High
Jennifer Hemmert	Columbus	Post-Graduate	Zoology	Cont Ed	OSU
Kyla Hershey	Delphos	Sophomore	Zoology	Bio Sci	OSU
Patrick Higgins	Westerville	HS Sophomore	HS Student	HS Student	St Francis De Sales High
Rachel Hintz	Pickerington	Ph.D.	Science Edu	Graduate	OSU
Nikki Hochstetler	Westerville	Junior	EEOB	Bio Sci	OSU
Jerome Hoke	Columbus	HS Sophomore	HS Student	HS Student	Cols Alternative High
James Hong	Greenwich	Master's	Education	Graduate	OSU
Michael Huey	Kettering	Freshman	Recreation Studies	Hlth&Hmn Svcs	Ohio Univ
Elizabeth Indriolo	Canton	Grad Nondegree	Grad Nondegree	Graduate	OSU
Melanie Ivey	Medina	Ph.D.	Plant Pathology	Graduate	OSU
Fralisia Jefferson	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Melinda Jencson	Parma	Workshop	Workshop	Workshop	OSU
Meagan Jones	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Simmons Jones	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Crystal Jordan	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Joaquin Jordan	Powell	Grad Nondegree	Grad Nondegree	Graduate	OSU
Adrian Jourdan	Columbus	HS Junior	HS Student	HS Student	Grandview Heights High
Workitu Kassa	Columbus	Senior	Biology	Bio Sci	OSU
Jillian Kaufman	Cardington	Master's	Reading Education	Education	Bowling Green State Univ
Jason Keeler	Columbus	Junior	Zoology	Bio Sci	OSU

Table 20 – 2007 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Kenneth Keisel	Columbus	HS Sophomore	HS Student	HS Student	Cols Alternative High
Kurt Keljo	Reynoldsburg	Master's	ESGP	Graduate	OSU
Stephanie Kellish	Loveland	HS Junior	HS Student	HS Student	Loveland High
Stephen Kempf	Grove City	Senior	EEOB	Bio Sci	OSU
Kisito Kikam	Columbus	Senior	Biology	Bio Sci	OSU
Chan Kook Kim	Columbus	Ph.D.	Natural Resources	Graduate	OSU
Nathan Kleczewski	Columbus	Ph.D.	Plant Pathology	Graduate	OSU
Brandon Klein	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Matthew Kneitel	Columbus	Sophomore	Zoology	Bio Sci	OSU
Oliver Knoell	Hilliard	HS Sophomore	HS Student	HS Student	Metro High
Austin Kochs	Dublin	HS Freshman	HS Student	HS Student	Metro High
John Koenig	Continental	Master's	Plant Pathology	Graduate	OSU
Chelsea Korfel	Westerville	Master's	Natural Resources	Graduate	OSU
Mary Koziura	Lorain	HS Senior	HS Student	HS Student	Elyria Catholic High
Nicholas Kursinski	Grove City	HS Sophomore	HS Student	HS Student	Metro High
Shawn Kurtzman	Mansfield	Senior	Zoology	Bio Sci	Ohio Wesleyan Univ
Adam LaChappelle	Gahanna	HS Sophomore	HS Student	HS Student	Metro High
Jessica Lahurd	Munroe Falls	HS Junior	HS Student	HS Student	Stow-Munroe Falls High
John Lawyer	Cardington	Post-Graduate	Animal Science	Cont Ed	OSU
Katelyn Leahy	N Olmstead	Senior	Biology/Crim	Arts & Sci	OSU
Sophie Lehmann	Toledo	Senior	Earth Science	Geo Sciences	Coll of Wooster
Sarah Leitenberger	Mansfield	HS Junior	HS Student	HS Student	Clear Fork High
Dale Lepp	Mansfield	Senior	Mid Childhood Ed	Education	OSU
Sheila Lewicki	Avon	Grad Nondegree	Grad Nondegree	Graduate	OSU
Kelley Likes	Huron	HS Senior	HS Student	HS Student	Huron High
Chia Lin	Columbus	Ph.D.	EEOB	Graduate	OSU
Evan Lind	Cincinnati	HS Sophomore	HS Student	HS Student	Sycamore High
Sarah Lucha	N Fairfield	Grad Nondegree	Grad Nondegree	Graduate	OSU
Paul Luciano	Columbus	HS Sophomore	HS Student	HS Student	Centennial High
Jason Luebbers	Columbus	HS Junior	HS Student	HS Student	Village Academy
Jeffrey Mackenzie	Toledo	Master's	Education	Graduate	Univ of Toledo
Thomas Macy	Westlake	Junior	Frstry & Wildlf Mgt	Nat Res	OSU
Jesse McCarter	Columbus	Sophomore	Fish & Wildlf	Nat Res	OSU
Dawn McMahon	Grove City	Post-Graduate	Cont Ed	Cont Ed	OSU
Bruce McVeety	Dublin	Workshop	Workshop	Workshop	OSU
Guadalupe Medina	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Valerie Mettler	Put-in-Bay	Grad Nondegree	Grad Nondegree	Graduate	OSU
Stephen Meyers	Goshen	Grad Nondegree	Grad Nondegree	Graduate	OSU
Jessica Miesel	Morley MI	Ph.D.	EEOB	Graduate	OSU
Geoffrey Miller	Brecksville	HS Junior	HS Student	HS Student	Padua Franciscan High
James Miller	Fairview Park	Grad Nondegree	Grad Nondegree	Graduate	OSU
Jennie Miller	New Philadelphia	Junior	Biology	Bio Sci	Walsh Univ
Alexei Morris	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Theodore Munsell	Columbus	HS Junior	HS Student	HS Student	Upper Arlington High
Jason Murray	Chillicothe	Junior	Zoology	Bio Sci	OSU
Diane Nemec	Brecksville	Workshop	Workshop	Workshop	OSU
Megan Nims	Toledo	Junior	EEOB/Spanish	Bio Sci	OSU
Heidi Nocks	Westerville	HS Senior	HS Student	HS Student	Westerville-North High
Sarah Norman	Independence	Junior	Biology	Arts & Sci	Wittenberg Univ
Rachael Nuzzo	Concord	HS Sophomore	HS Student	HS Student	Mentor High
Adric Olson	Centerville	Senior	Zoology	Bio Sci	OSU
Jennifer Olson	Pataskala	Ph.D.	EEOB	Graduate	OSU

Table 20 – 2007 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Ronny Oppong	Columbus	HS Sophomore	HS Student	HS Student	Metro High
LeAnn Orick	Lima	Sophomore	Env Science	Bio Sci	OSU
Brittany Parmele	Columbus	HS Sophomore	HS Student	HS Student	Centennial High
Christopher Perez	Lorain	HS Sophomore	HS Student	HS Student	Admiral King High
Erica Pettit	Delaware	HS Sophomore	HS Student	HS Student	Metro High
Aloah Pope	Van Wert	Senior	EEOB	Bio Sci	OSU
Katherine Ptak	Rocky River	Workshop	Workshop	Workshop	OSU
Amanda Rabatin	South Euclid	Grad Nondegree	Grad Nondegree	Graduate	OSU
Rachael Randall	Dover	Senior	Biology	Bio Sci	OSU
Timothy Ratliff	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Rosa Raudales	Wooster	Master's	Plant Pathology	Graduate	OSU
Beverly Rawles	Columbus	Workshop	Workshop	Workshop	OSU
Adnane Rhazzal	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Kelly Riesen	Brook Park	Master's	Ag & Extension Ed	Graduate	OSU
Jessica Rigato	Columbus	Post-Graduate	Cont Ed	Cont Ed	OSU
Samuel Roman	Cleveland	Grad Nondegree	Education	Graduate	OSU
Jennifer Sander	Columbus	Ph.D.	EEOB	Graduate	OSU
Erin Saupe	St Joseph MN	Master's	Natural Science	Geo Science	Coll of St Benedict, MN
Guy Savastano	Independence	Grad Nondegree	Grad Nondegree	Graduate	OSU
Michael Scamyhorn	Columbus	HS Sophomore	HS Student	HS Student	Metro High
David Schaller	Beavercreek	Workshop	Workshop	Workshop	OSU
Elizabeth Schaller	Hudson	Sophomore	Int Studies	Arts & Sci	OSU
James Schlunt	Dublin	Junior	Mid Childhood Ed	Education	OSU
Logan Schmitt	Mansfield	HS Junior	HS Student	HS Student	Ontario High
David Schott	Delaware	Senior	Econ/Pre-Med	Arts & Sci	OSU
Cindy Schroeder	Columbus	Master's	Science Edu	Graduate	OSU
Tyler Schuch	Wausean	Senior	Zoology	Bio Sci	OSU
Ben Schuplin	North Royalton	Junior	Biology	Bio Sci	OSU
Nathan Seymour	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Samantha Shigley-Giusti	Columbus	HS Sophomore	HS Student	HS Student	Whetstone High
Nathan Shubick	Columbus	HS Junior	HS Student	HS Student	Northside Christian School
Kurt Sicker	Avon Lake	HS Junior	HS Student	HS Student	Avon Lake High
Brittany Smith	Columbus	Sophomore	Env Science	FAES	OSU
Miles Spathelf	Columbus	Ph.D.	EEOB	Graduate	OSU
Nathan Staggs	Georgetown	HS Senior	HS Student	HS Student	Georgetown Jr/Sr High
Daniel Stentz	Columbus	Senior	Biology	Bio Sci	OSU
Walter Stevens	Cincinnati	HS Sophomore	HS Student	HS Student	Madeira High
Lisa Stokley	Bay Village	Junior	Biology	Bio Sci	OSU
Alice Stone	Cleveland	Grad Nondegree	Grad Nondegree	Graduate	OSU
Nagendra Subedi	Columbus	Master's	Plant Pathology	Graduate	OSU
William Swann	North Olmsted	HS Sophomore	HS Student	HS Student	St Ignatius High
John Tallman	Maumee	Grad Nondegree	Grad Nondegree	Graduate	OSU
John Terbot	West Chester	HS Junior	HS Student	HS Student	Lakota East High
Joseph Thomas	Dayton	Junior	Psychology	Arts & Sci	OSU
Kevin Torma	New Concord	Sophomore	Zoology	Bio Sci	OSU
Brittany Toth	Canal Winchester	HS Senior	HS Student	HS Student	Pickerington High
Katherine Touzinsky	Westerville	HS Junior	HS Student	HS Student	Westerville-North High
Daniel Vargo	Columbiana	Grad Nondegree	Grad Nondegree	Graduate	OSU
Emily Vernon	Hudson	HS Sophomore	HS Student	HS Student	Hudson High
Amy Marie Vohsing	Granville	Grad Nondegree	Grad Nondegree	Graduate	OSU
Adam Wadkins	Galloway	Senior	Sociology	Arts & Sci	OSU
Alison Wagner	Westerville	HS Senior	HS Student	HS Student	Westerville-South High

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<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Kimberly Wagner	Cincinnati	HS Junior	HS Student	HS Student	Summit Country Day High
Hehe Wang	Wooster	Ph.D.	Plant Pathology	Graduate	OSU
Megan Warren	Williamsport	HS Junior	HS Student	HS Student	Westfall High
Susan Wasmund	Westerville	Grad Nondegree	Grad Nondegree	Graduate	OSU
Wayne Weber	North Fairfield	Post-Graduate	Cont Ed	Cont Ed	OSU
Nick Weidenbenner	Grove City	Junior	Plant Pathology	FAES	OSU
Justin Weisenberger	Columbus	Senior	Biochemistry	Bio Sci	OSU
Daniel Welsh	Springboro	HS Sophomore	HS Student	HS Student	Springboro High
Cassandra West	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Jillien Whiteside	Lancaster	HS Senior	HS Student	HS Student	Bloom-Carroll High
Aaron Wibberley	Powell	Junior	Biology	Bio Sci	OSU
Daniel Williams	Grove City	HS Sophomore	HS Student	HS Student	Metro High
Matthew Williams	Delaware	Senior	Biology	Bio Sci	OSU
Jennifer Wynkoop	Canal Winchester	HS Sophomore	HS Student	HS Student	Metro High
Xiulan Xu	Wooster	Ph.D.	Plant Pathology	Graduate	OSU
Jennifer Yi	Englewood	Senior	Zoology	Bio Sci	OSU
Jaime Young	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Michael Yough	Columbus	Ph.D.	Ed Psych	Graduate	OSU
Lauren Zatroch	Pepper Pike	HS Junior	HS Student	HS Student	Orange High
Justin Zimmerman	Hudson	Master's	Education	Secondary Edu	Indiana Univ, IN
Kristyn Zollos	Rocky River	HS Sophomore	HS Student	HS Student	Lutheran West High
Clara Zumpetta	Mantua	Master's	Plant Pathology	Graduate	OSU

FAES=Food, Agriculture, and Environmental Sciences

Note: Affiliation of non-credit workshop participants is indicated as OSU if not currently enrolled in a university.

TABLE 21

**Stone Laboratory Student Roster
2008**

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
William Abbuhl	Columbus	Senior	EEOB	Bio Sci	OSU
Cary Alexander	Dublin	Senior	Mid Sch Mth & Sc Ed	Arts & Sci	OSU
Gage Auger	Put-in-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Christina Back	Cincinnati	Master's	EEOB	Graduate	OSU
Lydia Bailey	Mechanicsburg	Master's+	Natural Resources	ENR	OSU
Molly Bain	Loveland	Junior	Mol Gen, Microbio	Bio Sci	OSU
Seth Bainbridge	Mt. Vernon	Freshman	Biology	Bio Sci	OSU-Newark
Jacob Baird	Westerville	HS Sophomore	HS Student	HS Student	Metro High
Carrie Ann Baker	Olmsted Falls	Grad Nondegree	Grad Nondegree	Bio Sci	Kent State Univ
Lisa Batten	Germantown	Grad Nondegree	Grad Nondegree	Graduate	Miami Univ
Justin Baumann	West Chester	Sophomore	Biology	Bio Sci	OSU
Christopher Behl	Bay Village	Senior	Biology	Bio Sci	OSU
Benjamin Belgrad	Boardman	HS Junior	HS Student	HS Student	Boardman High
Albert Beltz	Hubbard	Workshop	Workshop	Workshop	OSU
Adam Bianchi	Put-in-Bay	HS Junior	HS Student	HS Student	Put-in-Bay High
Katherine Bichsel	Bexley	Junior	Env Science	Not stated	Univ of Vermont, VT
Samantha Binion	Ayden NC	Workshop	Workshop	Workshop	OSU
Kristin Black	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Stephanie Bohlen	Circleville	Senior	Zoology	Bio Sci	OSU
Ryan Bookstaff	West Chester	Junior	Zoology	Bio Sci	OSU
Jocelyn Browning	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Alex Buchan	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Sunshine Buchholz	Stevens Pt WI	Workshop	Workshop	Workshop	OSU
Victoria Bumgardner	Groveport	HS Sophomore	HS Student	HS Student	Metro High
Evan Burghes	Columbus	Junior	Economics	Business School	Miami Univ
Joseph Butler	Columbus	Senior	Education	Arts & Sci	OSU
Eva Cahill	Columbus	HS Junior	HS Student	HS Student	Bishop Watterson High
Kyle Campbell	Westerville	Workshop	Workshop	Workshop	OSU
Gina Caruso	Columbus	Senior	Nursing	Bio Sci	OSU
James Cash	Upper Arlington	Master's+	Undecided	Graduate	OSU
Brandon Castle	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Elijah Cherry	Newark	Sophomore	Env Science	FAES	OSU-Newark
Melissa Cherry	Columbus	HS Junior	HS Student	HS Student	Worthington Kilbourne High
Melissa Cheung	Columbus	Junior	Biology	Bio Sci	OSU
Nicholas Conley	Newcomerstown	Senior	Biology	Bio Sci	OSU
Caleb Conrad	Columbus	Junior	Zoology	Bio Sci	OSU
Nicholas Cox	Waynesfield	Master's	Education	Education	Otterbein Coll
Colin Craib	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Ian Craib	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Ariel Crews	Whitehouse	HS Junior	HS Student	HS Student	Anthony Wayne High
Joni Criswell	Grove City	Ph.D.	EEOB	Graduate	OSU
Vanessa Cross	Columbus	Ph.D.	Education	Graduate	OSU
Dante D'Avello	Silver Lake	HS Senior	HS Student	HS Student	Archbishop Hoban High
April Denega	Berea	Sophomore	Env Science	FAES	OSU
Diana DeVol Bevilacqua	Columbus	Post-Graduate	Cont Ed	Cont Edu	OSU
Brian Dickmann	Hilliard	Master's+	Education	Graduate	OSU
Andrea DiPaolo	Worthington	HS Junior	HS Student	HS Student	Worthington Kilbourne High
Michael Dybdahl	Westerville	Sophomore	Biology	Arts & Sci	Columbus State Comm Coll

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<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Karin Engel	Worthington	Master's+	Science & Math Edu	Graduate	OSU
John Essman	Williamsport	HS Junior	HS Student	HS Student	Westfall High
Meredith Eyre	Westlake	HS Junior	HS Student	HS Student	Westlake High
Kurt Farrell	Concord	Senior	Chem/EEOB	Arts & Sci	OSU
Elizabeth Fillmore	Columbus	Senior	Not stated	Not stated	Columbus State Comm Coll
Susan Fillmore	Columbus	Post-Graduate	Cont Ed	Cont Edu	OSU
Sarah Focht	Harrison	HS Junior	HS Student	HS Student	Wm Henry Harrison High
Sarah Foster	Ashland	HS Sophomore	HS Student	HS Student	Western Rsrve Acad High
Anthony Fries	Columbus	Master's+	EEOB	Graduate	OSU
Wenliang Fu	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Molly Gallagher	Xenia	Sophomore	EEOB	Bio Sci	OSU
Matthew Godwin	Lima	Senior	Arabic & Islmc Stdies	Arts & Sci	OSU
Tami Golliday	Wapakoneta	Workshop	Workshop	Workshop	OSU
Angela Gonya	Fremont	Senior	Wldlf Mgt/Pre-vet	ENR	OSU
John Graff	Columbus	Senior	Education	Education	OSU
Steven Gratz	Lima	Senior	Biology	Bio Sci	OSU-Lima
Angela Greene	Medway	Grad Nondegree	Grad Nondegree	Graduate	OSU
Joshua Greenfield	Toledo	Sophomore	Chemistry	Arts & Sci	Oberlin Coll
Katherine Greenwald	Columbus	Ph.D.	EEOB	Graduate	OSU
Rebecca Greive	Copley	Sophomore	Undeclared	Undeclared	OSU
Cassie Gurbisz	Cambridge MD	Workshop	Workshop	Workshop	OSU
Jonathan Hall	Columbia MD	Ph.D.	EEOB	Graduate	OSU
Michael Hall	Galloway	Post-Graduate	Cont Ed	Cont Edu	OSU
Tracy Hall	Columbus	Grad Nondegree	Zoology	Graduate	OSU
Tricia Hall	Marion	HS Sophomore	HS Student	HS Student	Marion Harding High
Wendy Hall	London	Grad Nondegree	Grad Nondegree	Graduate	OSU
Jesse Haney	Custer WI	Workshop	Workshop	Workshop	Univ of Wis-Stevens Pt, WI
Nicholas Harrison	Hilliard	HS Senior	HS Student	HS Student	Hilliard Darby High
Kevin Hart	Plymouth	Senior	Biology	Bio Sci	OSU
Kimberly Harvey	Shauck	Grad Nondegree	Grad Nondegree	Graduate	OSU
Dustin Hayes	Mount Gilead	HS Junior	HS Student	HS Student	Mt Gilead High
Kyla Hershey	Delphos	Junior	Zoology	Bio Sci	OSU
Anna Hitzhusen	Columbus	Workshop	Workshop	Workshop	OSU
Jennifer Hofacker	Fremont	Master's+	EDUTL	Graduate	OSU
Sandra Holway	Fairborn	Grad Nondegree	Science Edu	Education	OSU
Yi-Wen Huang	Columbus	Workshop	Workshop	Workshop	OSU
Erica Hubbert	Worthington	Post-Graduate	Science	Cont Edu	OSU
Courtney Hunt	Canton	HS Sophomore	HS Student	HS Student	McKinley High
Ashley Jacobs	Springfield	Junior	Economics	Arts & Sci	OSU
Nathan Jacobs	Toledo	HS Sophomore	HS Student	HS Student	Toledo Early Coll High
Mariam Javadi	Dublin	Senior	EEOB	Bio Sci	OSU
Morgan Johnson	Akron	HS Sophomore	HS Student	HS Student	Garfield High
Caitlin Joy	Columbus	Senior	Life Science	Life Sciences	Otterbein Coll
Patrick Kania	Sandusky	Grad Nondegree	Grad Nondegree	Graduate	OSU
Jason Keeler	Columbus	Senior	Zoology	Arts & Sci	OSU
Julianne Klenk	Dayton	Senior	Biology	Bio Sci	OSU
Patrick Korn	Lakeview	Junior	Zoology	Bio Sci	OSU
Brittany Krause	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Chieh-Ti Kuo	Columbus	Workshop	Workshop	Workshop	OSU
Nicholas Kursinskis	Grove City	HS Sophomore	HS Student	HS Student	Metro High
Justin Kurtz	Columbus	HS Junior	HS Student	HS Student	Whetstone High
Michael Lemke	Beavercreek	Junior	Natural Resources	ENR	OSU
Martha Lewis	Powell	Grad Nondegree	Grad Nondegree	Graduate	OSU

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<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Jackie Li	Columbus	HS Sophomore	HS Student	HS Student	Columbus Alternative High
Xin Li	Chengolu China	Workshop	Workshop	Workshop	OSU
Thomas Lloyd	Worthington	Grad Nondegree	Grad Nondegree	Graduate	OSU
Timothy Malinich	North Ridgeville	Junior	Zoology	Bio Sci	OSU
Lyndsey Manzo	Columbus	Master's+	Environmental Edu	Graduate	OSU
Caitlin Market	Put-in-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Ann Marshall	Taylor MI	Workshop	Workshop	Workshop	OSU
Scott Marx	Athens	Workshop	Workshop	Workshop	OSU
Angelina Matthews	Columbus	HS Junior	HS Student	HS Student	Northland High
Anna McCann	Put-in-Bay	HS Junior	HS Student	HS Student	Put-in-Bay High
Craig McDonald	Granville	Master's+	Natural Resources	Graduate	OSU
Dianne McDonald	Granville	Master's+	Education	Graduate	OSU
Jaclyn McLean	Port Clinton	Senior	Biology	Bio Sci	Mercyhurst Coll, PA
Armando Merola	Worthington	Workshop	Workshop	Workshop	OSU
Adrian Miller	Bascom	Senior	Criminology	Soc & Behv Sci	OSU
Amy Miller	Carrollton	Sophomore	Env Science	FAES	OSU
Geoffrey Miller	Brecksville	HS Senior	HS Student	HS Student	Padua Franciscan High
Tyler Miller	Huber Heights	Senior	Zoology	Bio Sci	OSU
Jane Mitchell	Dublin	Grad Nondegree	Education	Graduate	OSU
Robin Moore	Columbus	HS Junior	HS Student	HS Student	Upper Arlington High
Seth Morgan	Hebron	Master's	Education	Education	OSU
Jason Murray	Chillicothe	Senior	Zoology/Japanese	Bio Sci	OSU
Cole Musial	Avon Lake	HS Junior	HS Student	HS Student	Avon Lake High
Zakia Nasrin	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Gracia Ng	Cincinnati	HS Sophomore	HS Student	HS Student	Sycamore High
Megan Nims	Toledo	Senior	EEOB/Spanish	Bio Sci	OSU
Keith Norris	Mt. Vernon	Master's+	Science Edu	Graduate	OSU
John Nungesser	Gahanna	HS Sophomore	HS Student	HS Student	Metro High
Georgia O'Hara	Columbus	Master's+	Science Edu	Graduate	OSU
Adric Olson	Centerville	Senior	Zoology	Bio Sci	OSU
Kimberly Pavlescak	Medina	HS Senior	HS Student	HS Student	Medina High
Madeline Pinsonneault	Columbus	Senior	Undgrd Nondegree	Bio Sci	OSU
Daniel Pontius	Monclova	Sophomore	Zoology	Bio Sci	OSU
Michael Quinn	Chardon	Senior	Wildf & Fisheries	ENR	OSU
Timothy Ratliff	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Lynn Rauchenstein	Columbus	Senior	Biology	Arts & Sci	OSU
Nathan Richardson	Reynoldsburg	HS Sophomore	HS Student	HS Student	Metro High
Miranda Riddle	Put-in-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Kenneth Riley	Winterville NC	Workshop	Workshop	Workshop	OSU
Anthony Rodgers	South Euclid	Senior	Zoology	Bio Sci	OSU
Diana Rodriguez	Columbus	Ph.D.	EEOB	Graduate	OSU
Samuel Roman	Cleveland	Grad Nondegree	Education	Graduate	OSU
Sarah Rose	Hilliard	Senior	Evol and Ecology	Bio Sci	OSU
Amy Roskilly	Valley View	Workshop	Workshop	Workshop	OSU
Allison Roush	Dublin	Workshop	Workshop	Workshop	OSU
Guy Savastano	Independence	Grad Nondegree	Education	Graduate	OSU
Deidra Schacht	Canal Winchester	HS Sophomore	HS Student	HS Student	Metro High
Elizabeth Schaller	Hudson	Junior	German/Geology	Arts & Sci	OSU
Ian Schoultz	Columbus	HS Junior	HS Student	HS Student	Centennial High
Benjamin Schuplin	North Royalton	Senior	Biology	Arts & Sci	OSU
Lorna Scribner	Defiance	HS Junior	HS Student	HS Student	Defiance High
Brandon Sega	Columbus	HS Junior	HS Student	HS Student	Upper Arlington High

Table 21 – 2008 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Wendy Sewell	Albany	Senior	Animal Science	FAES	OSU
Adam Shands	Shaker Hts	Sophomore	Engineering	Engineering	OSU
Matthew Shanks	Elyria	Senior	Biology	Bio Sci	OSU
Kurt Sicker	Avon Lake	HS Senior	HS Student	HS Student	Avon Lake High
Stuart Siegfried	Columbus	Junior	Fisheries & Wldlf Mgt	ENR	OSU
Michael Sovic	Blacklick	Master's+	EEOB	Bio Sci	OSU
Lauren Sowell	Twinsburg	HS Junior	HS Student	HS Student	Twinsburg High
Christopher Spann	Independence	Junior	Biology	Bio Sci	Cleveland State Univ
Elizabeth Spector	Chardon	Grad Nondegree	Grad Nondegree	Graduate	OSU
Steven Stapleton	Upper Arlington	Post-Graduate	Cont Ed	Cont Edu	OSU
Sheldon Stonerook	Isle St. George	HS Junior	HS Student	HS Student	Put-in-Bay High
David Stroh	Athens	Workshop	Workshop	Workshop	OSU
Megumi Sugita	Hilliard	HS Senior	HS Student	HS Student	Hilliard Davidson High
Erica Suprenant	Dayton	Junior	Biology	Arts & Sci	OSU
David Surovec	Centerville	Workshop	Workshop	Workshop	OSU
Jordyn Thiel	Whealersburg	HS Senior	HS Student	HS Student	Minford High
Joseph Thomas	Dayton	Senior	Biology	Bio Sci	OSU
Stephanie Thomas	West Jefferson	HS Sophomore	HS Student	HS Student	West Jefferson High
Kristine Thompson	Orient	HS Sophomore	HS Student	HS Student	Metro High
Emily Vernon	Hudson	HS Junior	HS Student	HS Student	Hudson High
Jamie Viterna	Olmstead Falls	Junior	Biology	Bio Sci	OSU
Brooklyn Wagner	Columbus	HS Sophomore	HS Student	HS Student	St Francis De Sales High
Colleen Waickman	Akron	HS Junior	HS Student	HS Student	Our Lady of the Elms High
Li-shu Wang	Columbus	Workshop	Workshop	Workshop	OSU
Angela Ward	Valley AL	Workshop	Workshop	Workshop	OSU
Susan Wasmund	Westerville	Master's+	Education	Graduate	OSU
Tim Wasserman	Fremont	Workshop	Workshop	Workshop	OSU
Brett Watterworth	Columbus	Master's	Business Admin	Graduate	OSU
David Weaner	Westerville	Grad Nondegree	Grad Nondegree	Graduate	OSU
Cassandra West	Columbus	HS Sophomore	HS Student	HS Student	Metro High
Branwen Williams	Georgetown ONT	Ph.D.	Earth Sciences	Graduate	OSU
Daniel Williams	Grove City	HS Sophomore	HS Student	HS Student	Metro High
Jon Wing	Marysville	Junior	Science Edu	Education	OSU
Marshall Winkler	Poland	HS Junior	HS Student	HS Student	Poland Seminary High
Anna Wittmer	Mansfield	Sophomore	Biology	Bio Sci	OSU-Mansfield
Bryn Woodhouse	Columbus	HS Junior	HS Student	HS Student	Grandview Heights High
Jennifer Wynkoop	Canal Winchester	HS Sophomore	HS Student	HS Student	Metro High
Janet Yi	Englewood	HS Junior	HS Student	HS Student	Northmont High
Theresa Young	Columbus	HS Sophomore	HS Student	HS Student	Centennial High

FAES=Food, Agriculture, and Environmental Sciences

Note: Affiliation of non-credit workshop participants is indicated as OSU if not currently enrolled in a university.

TABLE 22

**Stone Laboratory Student Roster
2009**

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Clark Acker	Brookville	Workshop	Workshop	Workshop	OSU
Cassidy Artz	Gates Mill	HS Junior	HS Student	HS Student	Hathaway Brown High
Gage Auger	Put-in-Bay	HS Junior	HS Student	HS Student	Put-in-Bay High
Nathalia Backeljauw	Cincinnati	HS Sophomore	HS Student	HS Student	Wyoming High
Rosemary Balsinger	Medina	Post-Graduate	Cont Ed	Cont Ed	OSU
Alyssa Bancroft	Mackinaw City MI	Ph.D.	Geology/Earth Sci	Graduate	OSU
Jill Bartolotta	Willoughby Hills	Junior	Wildlife Ecology	Not stated	Univ of New Hampshire, NH
Justin Baumann	West Chester	Junior	Biology	Bio Sci	OSU
Jenifer Bennett	Massillon	HS Sophomore	HS Student	HS Student	McKinley High
Taylor Bernett	Middletown	HS Junior	HS Student	HS Student	Lakota East High
Mary Betz	N. Canton	HS Junior	HS Student	HS Student	Central Catholic High
Leah Bilski	Westlake	HS Sophomore	HS Student	HS Student	Lake Ridge Academy High
Jacqueline Black	Holland	Sophomore	Zoology	Bio Sci	OSU
Mette Blumensaadt	Put-in-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Raymond Boniface	Poland	HS Junior	HS Student	HS Student	Cardinal Mooney High
Kathy Bosiak	Denver NC	Workshop	Workshop	Workshop	OSU
Jon Bossley	Westerville	Master's	Env Science	Graduate	OSU
Kyle Boucher	Canal Winchester	Senior	Criminology	Soc & Behv Sci	OSU
John Bucklew	Jackson Center	Grad NonDegree	Grad Nondegree	Graduate	OSU
Elisabeth Calhoon	Redmond WA	Master's	EEOB	Graduate	OSU
Jeremy Capetillo	Wickliffe	Sophomore	Entomology	Bio Sci	OSU
Kasey Carlisle	Paulding	Senior	Restoration Ecology	Not stated	Defiance Coll
Carrie Caspio	Broadview Hts	Workshop	Workshop	Workshop	OSU
Janine Cerny	Put-in-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Stephanie Coffey	Vandalia	Junior	Biology/Zoology	Bio Sci	OSU
Ariel Crews	Whitehouse	HS Senior	HS Student	HS Student	Anthony Wayne High
Justin Cronau	Powell	Sophomore	Business	Business	OSU
Patrick D'Agostino	Berea	HS Sophomore	HS Student	HS Student	Berea High
Kelsey Dailey	Chardon	HS Senior	HS Student	HS Student	Ntre Dame-Cathedral Latin
Martin Dalefield	Circleville	Sophomore	Pharm Sci	Pharmacy	OSU
Kyle Danneberger	Dublin	Freshman	Finance	Ugrd Stud Srvc	OSU
Marc Danneberger	Dublin	Junior	Food Bus Mgt	Agriculture	OSU
Daniel Dardio	Spencerville	Grad Nondegree	Grad Nondegree	Graduate	OSU
Sarah Dean	Columbus	Senior	For, Fish & Wldlf	Env & Nat Res	OSU
Anna DeChellis	Massillon	Junior	Mid Childhood Ed	Arts & Sci	OSU
Kelly Deem	Kenosha WI	Workshop	Workshop	Workshop	OSU
Haley DeLeon	Port Clinton	HS Sophomore	HS Student	HS Student	Port Clinton High
John Denega	Berea	HS Junior	HS Student	HS Student	Berea High
Ben Dieffenbacher	Ashtabula	Senior	Zoology	Bio Sci	OSU
Shannon Doherty	Madison	Senior	Env Science	Not stated	Youngstown State Univ
Garry Dole	Fredonia NY	Workshop	Workshop	Workshop	OSU
Mary Draves	Olmsted Twp	Workshop	Workshop	Workshop	OSU
William Dunlap	Wilmington	HS Junior	HS Student	HS Student	Clinton-Massie High
Susan Dye	Athens GA	Workshop	Workshop	Workshop	OSU
David Effron	Westerville	Post-Graduate	Cont Ed	Cont Ed	OSU
Brie Elking	Loveland	Junior	Env Science	Env & Nat Res	OSU
Kathryn Everson	Liberty Twp.	Sophomore	Biochemistry	Bio Sci	OSU
Jessica Evick	St. Clairsville	Senior	Mid Childhood Ed	Arts & Sci	OSU

Table 22 - 2009 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Ronald Fauls	Fostoria	Workshop	Workshop	Workshop	OSU
Morgan Fenoglio	Solon	Workshop	Workshop	Workshop	OSU
Elizabeth Fillmore	Columbus	Workshop	Workshop	Workshop	Columbus State Comm Coll
Susan Fillmore	Columbus	Workshop	Workshop	Workshop	OSU
Justin Foley	Delaware	Workshop	Workshop	Workshop	OSU
Kayla Forshey	Cincinnati	HS Junior	HS Student	HS Student	Sycamore High
Conner Fox	Cincinnati	Senior	Fisheries Science	Env & Nat Res	OSU
Anna Freundlich	Lexington	HS Junior	HS Student	HS Student	Lexington High
Grace Freundlich	Lexington	HS Junior	HS Student	HS Student	Lexington High
Clarence Fullard	Columbus	Junior	Env Science	Env & Nat Res	OSU
Marissa Ganzfried	Columbus	HS Sophomore	HS Student	HS Student	Thomas Worthington High
Catherine Garrett	Elyra	Junior	Mid Childhood Ed	Education	OSU
Heather Gee	Canton MI	Workshop	Workshop	Workshop	Eastern Michigan Univ, MI
Gabriella Gegenheimer	Upper Arlington	HS Junior	HS Student	HS Student	Upper Arlington High
Julia Gehring	Toledo	Senior	Biology	Bio Sci	Brown Univ, RI
Eugene Genco	Buffalo NY	Workshop	Workshop	Workshop	OSU
Joseph Gmitter	Akron	Workshop	Workshop	Workshop	OSU
Phoenix Golnick	Oak Harbor	HS Senior	HS Student	HS Student	Oak Harbor High
Steven Gratz	Lima	Senior	Biology	Arts & Sci	OSU-Lima
Christopher Green	Madison	Master's	Science Edu	Not stated	Montana State Univ, MT
Jenny Grimes	Streetsboro	Master's	Education	Education	Ashland Univ
Steven Groff	Continental	HS Sophomore	HS Student	HS Student	Continental Local High
Olivia Haas	Beachwood	HS Junior	HS Student	HS Student	Beachwood High
Tracy Hall	Dublin	Grad Nondegree	Ecology	Graduate	OSU
Kevin Hardesty	Springboro	HS Sophomore	HS Student	HS Student	Springboro High
Kimberly Harvey	Shauck	Master's+	Education	Graduate	OSU
Tim Heavner	Alliance	Workshop	Workshop	Workshop	OSU
Katie Heyob	Wilmington	HS Junior	HS Student	HS Student	Clinton-Massie High
Kilawna Hill	Columbus	HS Sophomore	HS Student	HS Student	Brookhaven High
Clinton Hirschfeld	New Bremen	Senior	Biology	Not stated	Capital Univ
Todd Hone	Celina	Workshop	Workshop	Workshop	OSU
David Hoover	Tipp City	Grad Nondegree	Grad Nondegree	Graduate	OSU
Christopher Hopkins	Stow	Workshop	Workshop	Workshop	OSU
Jennifer Howes	North Canton	Senior	Mid Childhood Ed	Arts & Sci	OSU
Yi-Wen Huang	Columbus	Workshop	Workshop	Workshop	OSU
Chadwick Hughes	Put-In-Bay	HS Junior	HS Student	HS Student	Put-in-Bay High
Joseph Illencik	Boardman	HS Sophomore	HS Student	HS Student	Cardinal Mooney High
Steven Jaslow	Memphis TN	HS Sophomore	HS Student	HS Student	Lausanne Collgt High, TN
Allison Jennings	Carmichael CA	HS Junior	HS Student	HS Student	Loretto High, CA
Bradford Jones	Westerville	Workshop	Workshop	Workshop	OSU
Jay Jordan	Clinton	Senior	For, Fish & Wldlf	Env & Nat Res	OSU
Lee Kalkhoff	Canton	Master's	Biology	Graduate	Kent State Univ
James Kaz	Englewood	Senior	Molecular Genetics	Bio Sci	OSU
Carol Keck	Raymond	HS Sophomore	HS Student	HS Student	Marysville High
Kenneth Keisel	Columbus	HS Senior	HS Student	HS Student	Columbus Alternative High
Cameron King	Mt. Gilead	HS Sophomore	HS Student	HS Student	Cardington-Lincoln High
Dane Kirk	Worthington	HS Sophomore	HS Student	HS Student	Thomas Worthington High
Gary Klase	N. Canton	Senior	Env Science	Env & Nat Res	OSU-Wooster
Amy Klei	Grove City	Workshop	Workshop	Workshop	OSU
Christopher Klemm	Powell	Grad Nondegree	Grad Nondegree	Graduate	OSU
Matthew Kneitel	Beachwood	Senior	Zoology	Arts & Sci	OSU

Table 22 - 2009 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Lindsay Knippenberg	Allen Park MI	Workshop	Workshop	Workshop	OSU
Eriny Kostandy	Westerville	Senior	Mid Childhood Ed	Arts & Sci	OSU
Mary Koziura	Lorain	Junior	Env Science	Not stated	Lorain County Comm Coll
Chris Kronenberger	Valley City	HS Junior	HS Student	HS Student	Buckeye High
Amy Kruzer	North Olmstead	Senior	Biology	Not stated	Baldwin-Wallace Coll
Joseph Kuntzman	Alliance	Workshop	Workshop	Workshop	OSU
Daniel Langton	Columbus	Workshop	Workshop	Workshop	OSU
Elizabeth Latta	Bowling Green	HS Junior	HS Student	HS Student	Bowling Green High
Tyler Lawson	Columbia Station	Master's	Env Studies	Graduate	Coll of Charleston, SC
April Leaverton	Greenfield	Grad Nondegree	Grad Nondegree	Graduate	OSU
Max Leicher	Put-in-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Emily Linkous	Wilmington	Senior	Biology	Bio Sci	Wittenberg Univ
Laurie Lipely	Alliance	Workshop	Workshop	Workshop	OSU
Thomas Lloyd	Worthington	Grad Nondegree	Grad Nondegree	Graduate	OSU
Lawrence Long	Middletown	Senior	Zoology	Bio Sci	OSU
John Lowrey	Upper Arlington	HS Junior	HS Student	HS Student	Upper Arlington High
Megan Mahan	Dayton	Master's	Teaching & Learning	Graduate	OSU
Stephanie Malinich	North Ridgeville	HS Junior	HS Student	HS Student	North Ridgeville High
Timothy Malinich	North Ridgeville	Senior	Evol and Ecology	Bio Sci	OSU
Leah Market	Put-in-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Caroline Marks	Perrysburg	HS Junior	HS Student	HS Student	Perrysburg High
Thomas Marth	Cleveland Hts	Grad Nondegree	Grad Nondegree	Graduate	OSU
Jessica Maxcy	Bryan	Wkshp-Junior	Biology	Workshop	Defiance Coll
Amanda McCann	Put-in-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Bernard McCann	Put-in-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Mary McCann	Put-in-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Samuel McCoy	Marietta	Sophomore	Biology	Bio Sci	OSU
Michele McDougal	Gahanna	Senior	Education	Arts & Sci	OSU
Allison McKimm	Cincinnati	Sophomore	EEOB	Bio Sci	OSU
Orin McMonigle	Brunswick	Workshop	Workshop	Workshop	OSU
Joseph Mendes	Cleveland Hts	Grad Nondegree	Grad Nondegree	Graduate	OSU
Linda Merchant-Masonbrink	Dublin	Workshop	Workshop	Workshop	OSU
Sarah Middleton	Westerville	HS Senior	HS Student	HS Student	Westerville-South High
Mark Miller	Felicity	Senior	For, Fish & Wildf	Env & Nat Res	OSU
Quinn Miller	Carrollton	Sophomore	Env Science	Env & Nat Res	OSU
Samantha Miller	Lancaster	HS Junior	HS Student	HS Student	Lancaster High
Jessica Niemantsverdriet	Medina	Grad Nondegree	Grad Nondegree	Graduate	OSU
Jennifer Noland	Portage	Senior	Math/Biology	Arts & Sci	Bowling Green State Univ
Shoya Ochi	Columbus	Junior	Mid Childhood Ed	Arts & Sci	OSU
Frances O'Flaherty	Delaware	Grad Nondegree	Grad Nondegree	Graduate	OSU
Dejan Orsag	Lakewood	HS Junior	HS Student	HS Student	Lakewood High
Leah Palestrant	New Albany	Senior	Zoology/Psych	Bio Sci	OSU
Nancy Parker	Henderson KY	Workshop	Workshop	Workshop	OSU
Todd Patterson	Wooster	Grad Nondegree	Grad Nondegree	Graduate	OSU
John Perry	Delaware	Senior	Env Science	Env & Nat Res	OSU
Jennifer Pfaff	Toledo	Senior	Anthropology	Soc & Behv Sci	OSU
Samantha Primer	Hawthorne Woods IL	Senior	Env Science	Env & Nat Res	OSU
Amanda Rabatin	South Euclid	Grad Nondegree	Grad Nondegree	Graduate	OSU
Scott Reinemann	Westerville	Ph.D.	Atmospheric Sci	Graduate	OSU
Dean Reynolds	Alliance	Workshop	Workshop	Workshop	OSU

Table 22 - 2009 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Eric Reynolds	Port Clinton	HS Sophomore	HS Student	HS Student	Port Clinton High
Cristina Robinson	Hudson	HS Senior	HS Student	HS Student	Hudson High
Noelle Scelina	Strongsville	HS Junior	HS Student	HS Student	Home School-Ohio Res
Erin Schaad	Westerville	Master's	Teaching & Learning	Graduate	OSU
Caleb Schlegel	Millersburg	Junior	For, Fish & Wildf	Env & Nat Res	OSU
Ryan Schoeneman	Mount Gilead	Junior	EEOB	Bio Sci	OSU
Emily Schwartz	Solon	HS Junior	HS Student	HS Student	Solon High
Jerome Servaites	Dayton	Workshop	Workshop	Workshop	OSU
Robert Shauck	Pataskala	Workshop	Workshop	Workshop	OSU
Jennifer Sherman	Bay Village	HS Junior	HS Student	HS Student	Laurel High
Megan Shortridge	Perrysburg	HS Senior	HS Student	HS Student	Perrysburg High
Casey Smith	Chillicothe	Sophomore	Biology	Arts & Sci	OSU
Rosanne Stark	Ashville NY	Workshop	Workshop	Workshop	OSU
William Starkoff	New Albany	HS Sophomore	HS Student	HS Student	Columbus Academy High
Sharee Stewart	Cleveland	HS Sophomore	HS Student	HS Student	Cleveland Sch of the Arts
Peggy Sun	Westerville	Senior	Zoology	Bio Sci	OSU
Cheryl Symans	Forestville NY	Workshop	Workshop	Workshop	OSU
Robin Taxier	Worthington	Junior	Biology/Classics	Not stated	Oberlin Coll
Vaughn Taylor-Lehman	Zanesville	Senior	Biology	Bio Sci	OSU
Shari Tennies	Westfield NY	Workshop	Workshop	Workshop	OSU
Kimberly Thayer	Troy	Senior	Mid Childhood Ed	Arts & Sci	OSU
David Thiel	Vermillion	Workshop	Workshop	Workshop	OSU
Mariah Thrush	Lancaster	HS Senior	HS Student	HS Student	Fairfield Union High
Craig Toothman	Columbus	Post-Graduate	Env & Nat Res	Env & Nat Res	OSU
Jaclyn Trayte	Berea	HS Sophomore	HS Student	HS Student	Berea High
Alexandra Urge	Put-in-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Gledis Vaic	Paris, France	Post-Graduate	Cont Ed	Cont Ed	OSU
Daniel Vargo	Columbiana	Grad Nondegree	Education	Graduate	OSU
Christina Verhest	Berea	HS Senior	HS Student	HS Student	Berea High
Josh Vittie	Worthington	Master's	Public Admin	Graduate	OSU
Colin Waldman	Dublin	Sophomore	Env Science	Env & Nat Res	OSU
Cindi Wallendal	Pulaski WI	Workshop	Workshop	Workshop	OSU
Li-shu Wang	Columbus	Workshop	Workshop	Workshop	OSU
Carol Ward	Cleveland	Workshop	Workshop	Workshop	OSU
Alexander Weber	North Canton	HS Sophomore	HS Student	HS Student	Jackson High
Anesia Wells	Lewis Center	Post-Graduate	Cont Ed	Cont Ed	OSU
Joseph Wendt	Monroeville	Workshop	Env Science	Workshop	OSU
Amanda Whitener	Cleveland	Workshop	Workshop	Workshop	OSU
Jaclyn Wloszek	Brecksville	HS Junior	HS Student	HS Student	Brecksville-Broadview Hts
Jennifer Wollschlager	Columbus	Master's	EEOB/Evolution	Graduate	OSU
Craig Wood	Lorain	Wkshp-Master's	Env Science	Workshop	Cleveland State Univ
Darren Woodard	Cincinnati	HS Sophomore	HS Student	HS Student	Colerain High
Leigh Ann Wycoff	Heath	Workshop	Workshop	Workshop	OSU
Lauren Wyman	Beachwood	HS Junior	HS Student	HS Student	Beachwood High
Laura Yamsek	Brecksville	Senior	Env Studies	Sci Eng & Math	Youngstown State Univ
Michael Young	Sylvania	Senior	Env Science	Not stated	John Carroll Univ

Note: Affiliation of non-credit workshop participants is indicated as OSU if not currently enrolled in a university.

TABLE 23

**Stone Laboratory Student Roster
2010**

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Curtis Abell	Columbus	Sophomore	Entomology	Lyman Briggs Coll	Michigan State Univ, MI
Sarah Adams	West Jefferson	Senior	For, Fish & Wldlf	Env & Nat Res	OSU
Paul Anderson	Columbus	Senior	For, Fish & Wldlf	Env & Nat Res	OSU
Shane Anderson	Mansfield	Wkshp-Senior	For, Fish & Wldlf	Workshop	OSU
Jonathan Angel	New Philadelphia	Senior	Zoology & Bio	Natural Sciences	Malone Coll
Laurel Ashley	Oak Harbor	Master's	Education-AYA Sci	Education	Defiance Coll
Aimee Baehrens	Oak Harbor	Junior	Env Studies	Arts & Sci	Ohio Northern Univ
Josephine Bealle	Cincinnati	HS Sophomore	HS Student	HS Student	Clark Montessori High
Mary Betz	North Canton	HS Senior	HS Student	HS Student	Central Catholic High
Peter Bichier	Toledo	Workshop	Biology	Workshop	Univ of Toledo
Leah Bilski	Westlake	HS Junior	HS Student	HS Student	Lake Ridge Academy High
Samantha Blackhurst	Reynoldsburg	HS Junior	HS Student	HS Student	Bishop Hartley High
Megan Blaney	Columbus	Post-Graduate	Integrated Science	Education	Capital Univ
Farriss Blaskovits	NOTL ONT, Canada	Senior	Biology	Bio Sci	OSU
Jessica Bloom	Huntington WV	Wkshp-Senior	Env Science	Coll of Science	Marshall Univ, WV
Marylouise Bohannon	Lebanon	Senior	Zoology	Bio Sci	OSU
Anneliese Bonn	Columbus	HS Junior	HS Student	HS Student	Grandview Heights High
David Bordner	West Mansfield	Workshop	Workshop	Workshop	OSU
Rose Borrer	Grove City	HS Sophomore	HS Student	HS Student	Central Crossing High
David Brumbaugh	Marysville	Workshop	Workshop	Workshop	OSU
Wanda Bryant	Canton MI	Grad Nondegree	Education	Graduate	OSU
Ian Buchta	Pittsburgh PA	HS Junior	HS Student	HS Student	Mt Lebanon Senior High, PA
Robert Busch	Botkins	Post-Graduate	Fish Aquaculture	Cont Ed	OSU
Chelsea Calvert	Port Clinton	HS Sophomore	HS Student	HS Student	Port Clinton High
Jonathan Cameron	Mineral Ridge	Workshop	Workshop	Workshop	OSU
Jeremy Capetillo	Wickliffe	Junior	Entomology	FAES	OSU
Kiara Carballada	Cincinnati	HS Senior	HS Student	HS Student	St Ursula Academy High
James Cash	Upper Arlington	Post-Graduate	Science Edu	Cont Ed	OSU
Daniel Chou	Chagrin Falls	HS Junior	HS Student	HS Student	Hawken High
Travis Cline	Alliance	Junior	For, Fish & Wldlf	Env & Nat Res	OSU
Tyler Cole	Pickerington	Sophomore	Biology	Bio Sci	OSU
Lindsay Collart	Lore City	Junior	Biology	Bio Sci	OSU
Derrick Cooper	Mentor	Wkshp-Senior	Env Science	Workshop	Cleveland State Univ
Nicholas Cooper	Gahanna	Junior	Env Science	Env & Nat Res	OSU
Donald Copeland	Akron	Workshop	Workshop	Workshop	OSU
Sarah Corcoran	Lima	Sophomore	Plnt Cell & Mol Bio	Bio Sci	OSU-Lima
Brock Cosic	Eastlake	Workshop	Workshop	Workshop	OSU
Jessica Croson	Wilmington NC	Workshop	Secondary Science	Workshop	Univ of NC- Wilmington, NC
Katrin Daehn	Columbus	HS Junior	HS Student	HS Student	Upper Arlington High
Nicholas Daniels	Columbus	Senior	For, Fish & Wldlf	Env & Nat Res	OSU
Natalie Davidson	Sidney	Master's	Env Science	Graduate	Miami Univ
Jeremiah Davis	Sandusky	OH	Workshop	Workshop	Workshop OSU
Andrea Dawson	Columbus	HS Junior	HS Student	HS Student	Bishop Watterson High
Sean DeMent	Belpre	Senior	Env & Nat Res	Env & Nat Res	OSU
Amanda Desch	Columbus	HS Sophomore	HS Student	HS Student	Centennial High
Brian Dickmann	Hilliard	Grad Nondegree	Education-T&L	Graduate	OSU
Coady Di Rutigliano	Marysville	Workshop	Workshop	Workshop	OSU
Catherine Doman	Willoughby	Workshop	Workshop	Workshop	OSU
Omer Donmez	Fort Mitchell KY	Wkshp- Frshmn	Env Studies	Arts & Sci	OSU

Table 23 – 2010 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Kevin Doty	Findlay	Sophomore	Biology	FAES	OSU
Lawrence Dow	Lancaster	Workshop	Workshop	Workshop	OSU
Sandy Dow	Lancaster	Workshop	Workshop	Workshop	OSU
Mark DuFour	Kingsville	Wkshp-Masters	Env Science	Workshop	Univ of Toledo
Stephen Duirk	Cleveland	Workshop	Workshop	Workshop	OSU
Denise Dumouchelle	Columbus	Workshop	Workshop	Workshop	OSU
Karin Engel	Worthington	Grad Nondegree	Education-T&L	Graduate	OSU
Ronald Fauls	Fostoria	Workshop	Workshop	Workshop	OSU
Jessica Fears	Maineville	Wkshp-Senior	Env Science	FAES	OSU
Rebecca Fehn	Mason	Junior	Entomology	FAES	OSU
Michell Fields	Wauseon	Workshop	Workshop	Workshop	OSU
Susan Fillmore	Columbus	Post-Graduate	Cont Ed	Cont Ed	OSU
Michael Finneran	Powell	Sophomore	Biology	Bio Sci	OSU
Adam Foley	Lima	Senior	Biology	Bio Sci	Bowling Green State Univ
Angela Folley	Columbus	Master's	Education-T&L	Graduate	OSU
Tory Gabriel	Fremont	Grad Nondegree	Grad Nondegree	Graduate	OSU
Molly Gallagher	Xenia	Senior	Evol & Ecol/Anthrop	Bio Sci	OSU
Thomas Georg	Celina	Workshop	Workshop	Workshop	OSU
Hannah Gerritsen	Fostoria	Senior	Biology	Bio Sci	Bowling Green State Univ
Joshua Gibson	Lima	HS Junior	HS Student	HS Student	Shawnee High
Alana Gildner	Ashley	HS Sophomore	HS Student	HS Student	Village Academy
Jeffrey Glass	Zionsville IN	Workshop	Workshop	Workshop	OSU
Jessica Glowczewski	Hudson	Workshop	Workshop	Workshop	OSU
Nathan Godby	Huntington WV	Workshop	Workshop	Workshop	OSU
Phoenix Golnick	Oak Harbor	Sophomore	Restoration Ecology	Not stated	Defiance Coll
Robert Grimm	Zionsville IN	Workshop	Workshop	Workshop	OSU
Amanda Gu	Powell	HS Sophomore	HS Student	HS Student	Olentangy Liberty High
Jonathan Hall	Columbus	Ph.D.	EEOB	Graduate	OSU
Neil Hamrick	Columbus	HS Sophomore	HS Student	HS Student	Westerville-North High
Amanda Haponski	Toledo	Wkshp-PhD	Env Science	Workshop	Univ of Toledo
George Hardebeck	Cincinnati	Workshop	Workshop	Workshop	OSU
Demiera Hardy	South Point	HS Sophomore	HS Student	HS Student	South Point High
Ross Hartley	Pickerington	Senior	Mid Childhood Ed	Arts & Sci	OSU
John Hartman	Strongsville	HS Sophomore	HS Student	HS Student	Strongsville High
Caroline Harwood	Cincinnati	Junior	Mid Childhood Ed	Arts & Sci	OSU
Jeffrey Heddleson	Caldwell	Wkshp-Soph	Parks, Rec & Wldf	Workshop	Zane State Coll
Jackson Helms	Columbus	Senior	Evol & Ecology	Bio Sci	OSU
Emily Herwerden	Berea	HS Junior	HS Student	HS Student	Berea High
Christopher Hopkins	Stow	Workshop	Workshop	Workshop	OSU
Erica Hubbert	Columbus	Master's	Ed-T&L/STEM	Graduate	OSU
Katie Huff	Perrysville	Senior	Biology	Bio and Env Sci	Ashland Univ
Timothy Huff	Westerville	HS Junior	HS Student	HS Student	Westerville-Central High
Allan Hurtt	Columbus	Master's	Env & Nat Res	Graduate	OSU
Kyle Huston	Canal Winchester	Senior	Communication	Arts & Sci	OSU
Evelyn Jasinek	Westerville	Sophomore	Zoology	Bio Sci	OSU
Jordan Jenkins	Sidney	Senior	Biology	Bio Sci	OSU
Jonathan Jerden	Indianapolis IN	Workshop	Workshop	Workshop	OSU
Amy Johnson	Bowling Green	HS Sophomore	HS Student	HS Student	Bowling Green High
Briana Johnson	Groveport	Grad Nondegree	EDUPL-MA	Education	Capital Univ
Jodi Johnson	Hudson	Workshop	Workshop	Workshop	OSU
Rebecca Johnson	Hudson	Wkshp-Soph	Conservation	Workshop	Kent State Univ
Alex Jones	Columbus	HS Junior	HS Student	HS Student	Grandview Heights High

Table 23 – 2010 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Samuel Jones	Zanesville	Senior	Science Edu	Soc Sci & Edu	Capital Univ
Kristin Kaffen	Columbus	Grad Nondegree	Education	Graduate	OSU
Holly Kaloz	Powell	Workshop	Workshop	Workshop	OSU
Justine Kaseman	Waterville	Sophomore	Biology	Bio Sci	Bowling Green State Univ
Douglas Keller	Sandusky	Workshop	Workshop	Workshop	OSU
Alice Kennedy	Chagrin Falls	Senior	Mid Childhood Ed	Arts & Sci	OSU
Martin Kielbasa	Youngstown	Workshop	Workshop	Workshop	OSU
Lydia Kindig	Columbus	Junior	Mid Childhood Ed	Ed & Hum Ecol	OSU
Nicholle King	Defiance	Senior	Bio-Marine&Aquatic	Bio Sci	Bowling Green State Univ
Samantha King	Grafton	HS Junior	HS Student	HS Student	First Baptist Christian High
Megan Kingrey	Tipp City	HS Senior	HS Student	HS Student	Tippecanoe High
Laura Kington	Columbus	HS Junior	HS Student	HS Student	Upper Arlington High
Amy Klei	Dublin	Workshop	Workshop	Workshop	OSU
Christopher Klemm	Shawnee Hills	Grad Nondegree	Grad Nondegree	Graduate	OSU
Sara Klips	Columbus	Junior	Zoology/Art	Arts & Sci	OSU
Jarod Klucho	Columbus	Junior	International Studies	Arts & Sci	OSU
Michael Kohr	Columbus	Workshop	Workshop	Workshop	OSU
Christopher Korleski	Powell	Workshop	Workshop	Workshop	OSU
Kevin Krymowski	Broadview Hts	HS Junior	HS Student	HS Student	Brecksville-Broadview Hts High
Michael Kuebbeler	Monclova	Wkshp-Soph	Env Science	Workshop	Univ of Toledo
Jimmie Lambert	Columbus	Senior	For, Fish & Wldf	Env & Nat Res	OSU
Amanda Lanckenau	Columbus	Junior	Zoology	Bio Sci	OSU
Gerald Large	Medina	Post-Graduate	Biology	Cont Ed	OSU
Spencer Lee	Bay Village	HS Junior	HS Student	HS Student	Bay High
Danielle Liebig	Rocky River	Senior	Env Sci - Water	Env & Nat Res	OSU
Thomas Lloyd	Worthington	Grad Nondegree	Grad Nondegree	Grad Nondegree	OSU
Terry Longwell	Avon Lake	Workshop	Workshop	Workshop	OSU
Jessie Maier	Worthington	Junior	Animal Science	FAES	OSU
Stephanie Malinich	North Ridgeville	HS Senior	HS Student	HS Student	North Ridgeville High
Lyndsey Manzo	Columbus	Master's	Env & Nat Res	Graduate	OSU
Robert Mapes	Northwood	Wkshp-Soph	Biology	Workshop	Univ of Toledo
Shari Matchneer	Blacklick	Senior	Env Sci-Water Spec	Env & Nat Res	OSU
Christine Mayer	Ottawa Hills	Workshop	Workshop	Workshop	Univ of Toledo
Samuel McCoy	Marietta	Senior	Biology	Bio Sci	OSU
Adam McDowell	Defiance	Workshop	Workshop	Workshop	OSU
Chad McMahan	Columbus	Sophomore	Health Sciences	Health Sciences	OSU-Marion
Michael McQueary	Cincinnati	Senior	Communications	Arts & Sci	OSU
Linda Merchant-Masonbrink	Dublin	Workshop	Workshop	Workshop	OSU
Joshua Meriweather	Detroit MI	Grad Nondegree	Education	Graduate	OSU
Lara Metrione	Derwood MD	Ph.D.	EEOB	Graduate	OSU
Richard Meyer	East Gull Lake MN	Grad Nondegree	ENV & NAT RES	Graduate	OSU
Dallas Mohn	Put-in-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Erin Moran	Sunbury	Senior	Zoology	Dept of Zool	Ohio Wesleyan Univ
Seth Morgan	Hebron	Master's	Education-T&L	Graduate	OSU
Sophia Mort	Wyoming	Junior	Evol & Ecology	Bio Sci	OSU
Taylor Murphy	Port Clinton	HS Sophomore	HS Student	HS Student	Port Clinton High
Tony Murray	Bay Village	HS Senior	HS Student	HS Student	Bay High
Lynn Nedrow	Sylvania	Grad Nondegree	Education	Graduate	OSU
Joanne Neugebauer	Euclid	Senior	Botany	Bot & Mcro Bio	Ohio Wesleyan Univ
Daniel Newman	Lagrange	HS Sophomore	HS Student	HS Student	Elyria Catholic High
Julie Nieset	Cincinnati	Workshop	Workshop	Workshop	OSU

Table 23 – 2010 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Keith Norris	Mt. Vernon	Master's+	Education-T&L	Graduate	OSU
Brittany Novick	Columbia Station	HS Senior	HS Student	HS Student	Columbia High
Sean O'Connell	Sylvania	HS Senior	HS Student	HS Student	Sylvania Northview High
Catherine Osborn	Springfield	Junior	Biology/Anthro	Bio Sci	Case Western Reserve Univ
Lynette Overholser	Baton Rouge LA	Wkshp-Masters	Env Science	Workshop	Louisiana State Univ, LA
Jacob Palof	Cleveland	Wkshp-Senior	Workshop	Not stated	Hiram Coll
Wesley Parker	Delaware	HS Junior	HS Student	HS Student	Olentangy High
Andrew Patterson	Findlay	Workshop	Workshop	Workshop	OSU
Catherine Perciado	Cuyahoga Heights	Workshop	Workshop	Workshop	OSU
Mark Peter	Reynoldsburg	Ph.D.	Geological Sciences	Graduate	OSU
Sarah Peterson	Columbus	Sophomore	Zoology	Bio Sci	OSU
Colton Plumb	Oregon	HS Senior	HS Student	HS Student	Clay High
Jeremy Pritt	Perrysburg	Wkshp-PhD	Biology	Workshop	Univ of Toledo
Scott Reeve	Mt. Gilead	Workshop	Workshop	Workshop	OSU
Matthew Ripley	Silver Spring MD	Senior	Env Sci/Zoology	Env & Nat Res	OSU
Wayne Rolsen	Powell	Workshop	Workshop	Workshop	OSU
Joseph Rossin	Columbus	HS Sophomore	HS Student	HS Student	Hilliard Bradley High
Sidney Rucker	Kettering	HS Junior	HS Student	HS Student	Kettering Fairmont High
Erica Rufenacht	Grand Rapids	HS Sophomore	HS Student	HS Student	Anthony Wayne High
Christine Rupp	Wauseon	Senior	Biology	Natural Sci	Bluffton Coll
Diana Saintignon	St. Marys	Sophomore	For, Fish & Wldlf	Env & Nat Res	OSU
Corbyn Saum	Findlay	Sophomore	Political Science	Soc & Behv Sci	OSU
Cheston Saunders	Delco NC	Master's	Science Teaching	Education	Univ of NC- Wilmington, NC
Mary Schababerle	Cincinnati	Senior	Food Ag & Biol Engr	Engineering	OSU
Ryan Schoeneman	Mount Gilead	Junior	Evol & Ecology	Bio Sci	OSU
Kelsey Schultz	Uniontown	HS Senior	HS Student	HS Student	Archbishop Hoban High
Megan Schuster	Mansfield	Senior	Zoology	Bio Sci	OSU
Katherine Schwartz	Upper Sandusky	Master's	Education-T&L	Graduate	OSU
Amanda Shelton	Loveland	HS Senior	HS Student	HS Student	Loveland High
Jun Shen	Upper Arlington	Post-Graduate	Cont Ed	Cont Ed	OSU
Brendan Shirkey	Port Clinton	Senior	For, Fish & Wldlf	Env & Nat Res	OSU
Yekaterina Shulgina	Dublin	HS Junior	HS Student	HS Student	Dublin Coffman High
Gretchen Sipos	Spencer	Senior	Mid Childhood Ed	Arts & Sci	OSU
Danielle Smith	Galena	HS Junior	HS Student	HS Student	Olentangy High
McKenzie Smith	Toledo	HS Junior	HS Student	HS Student	Maumee Val Cntry Day High
Olivia Solt	Columbus	HS Junior	HS Student	HS Student	Grandview Heights High
Michael Sovic	Blacklick	Ph.D.	EEOB	Graduate	OSU
Danielle Stephenson	St Albans WV	Workshop	Env Science	Workshop	OSU
Andi Stevens	Neptune Beach FL	HS Sophomore	HS Student	HS Student	Duncan Fletcher High, FL
Thomas Sudman	Celina	Workshop	Workshop	Workshop	OSU
Megan Sullivan	Springboro	HS Sophomore	HS Student	HS Student	Springboro High
Timothy Sullivan	Toledo	Wkshp-Masters	Ecology	Workshop	Univ of Toledo
Jessie Sun	Upper Arlington	HS Junior	HS Student	HS Student	Upper Arlington High
Jennifer Swonger	Ottawa Hills	HS Sophomore	HS Student	HS Student	Ottawa Hills High
Catherine Tate	Cincinnati	HS Junior	HS Student	HS Student	Sycamore High
Jessica Tiettmeyer	Cincinnati	HS Junior	HS Student	HS Student	McNicholas High
Kyle Tulisiak	Lakewood	Wkshp-Masters	Biology	Workshop	Cleveland State Univ
Christine Uebel	New Richmond	HS Junior	HS Student	HS Student	McNicholas High
Audrey Urban	Centerburg	HS Sophomore	HS Student	HS Student	Centerburg High
Nick Vallera	Gahanna	Junior	Geological Sciences	MAPS	OSU
Christina Visocky	Walton Hills	Junior	For, Fish & Wldlf	Env & Nat Res	OSU
Michael Voigt	Zionsville IN	Workshop	Workshop	Workshop	OSU

Table 23 – 2010 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Andrea Wagner	Lithopolis	Senior	Zoology	Bio Sci	OSU
Brittany Wall	Hilliard	Master's	Education-T&L/STEM	Graduate	OSU
Grace Wannemacher	Beavercreek	HS Senior	HS Student	HS Student	Beavercreek High
John Wasmund	Westerville	Workshop	Workshop	Workshop	OSU
Susan Wasmund	Westerville	Grad Nondegree	Education	Graduate	OSU
Austin Watson	Hudson	HS Junior	HS Student	HS Student	Hudson High
Gary Weis	Attica	Workshop	Workshop	Workshop	OSU
Daniel Wexler	Milwaukee WI	Workshop	Workshop	Workshop	OSU
Jennifer Wiebusch	Lakewood	Wkshp-Junior	Env Science	Workshop	Cleveland State Univ
Ryan Wiens	Westerville	Junior	Zoology	Bio Sci	OSU
Stephanie Wilker	Elida	Senior	Evol & Ecology/Span	Bio Sci	OSU
Jennifer Wollschlager	Columbus	Master's	EEOB	Graduate	OSU
Candace Woodside	Wyoming	Grad Nondegree	Graduate NonDegree	Graduate	OSU
Yuxi Xiang	Columbus	HS Junior	HS Student	HS Student	Upper Arlington High
Andrea Yammine	Columbus	HS Junior	HS Student	HS Student	Intl Coll Secondary, Lebanon
Andrew Yoak	Grove City	Ph.D.	Zoology	Graduate	OSU
Nima Zaaed	Lakewood	Grad Nondegree	Education	Graduate	OSU
Michael Zhang	New Albany	HS Sophomore	HS Student	HS Student	New Albany High
Lori Zikovich	Sharpsville PA	Workshop	Workshop	Workshop	OSU
Jamie Zumach	Batavia	HS Junior	HS Student	HS Student	McNicholas High

FAES=Food, Agriculture, and Environmental Sciences

Note: Affiliation of non-credit workshop participants is indicated as OSU if not currently enrolled in a university.

TABLE 24

**Stone Laboratory Student Roster
2011**

<i>Name</i>	<i>City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Jeremy Alberts	Columbus	Master's	Env & Nat Res	Graduate	OSU
Shane Anderson	Mansfield	Senior	For, Fish & Wldlf	Env & Nat Res	OSU
Tyler Anderson	Lewis Center	Junior	Biology	Bio Sci	OSU
Paige Arnold	Bowling Green	Wkshp-Senior	Biology	Workshop	Bowling Green State Univ
Nathan Arroyo	Columbus	Senior	Pre-Env Engr	Engineering	OSU
Wyatt Auger	Put-In-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Ralph Baker	Whitehouse	Workshop	Workshop	Workshop	OSU
Beth Bare	Gahanna	Grad Nondegree	Teaching & Learning	Graduate	OSU
Benjamin Barker	Grafton	Senior	Biology	Bio Sci	OSU
Michael Bass	Toledo	Senior	Geological Sci	Math & Phys Sci	OSU
William Batty	Cincinnati	HS Junior	HS Student	HS Student	Madeira High
Mary Baxter	Lancaster	HS Junior	HS Student	HS Student	Lancaster High
David Beary	Chagrin Falls	Workshop	Workshop	Workshop	OSU
Julie Beeghley	Columbus	Junior	Soil Science	Env & Nat Res	OSU
Bryan Beltran	Harrisburg PA	Workshop	Workshop	Workshop	OSU
Samantha Blackhurst	Reynoldsburg	HS Senior	HS Student	HS Student	Bishop Hartley High
Christopher Blevins	Dayton	Workshop	Workshop	Workshop	OSU
Penny Bollin	Oregon	Grad Nondegree	Science Ed	Graduate	OSU
Andrea Bortolotto	Lebanon	HS Senior	HS Student	HS Student	Mount Notre Dame High
Lisa Bowers	Hebron	Post-Graduate	Undergr Nondegree	Cont Ed	OSU
Donna Braig	Columbus	Workshop	Workshop	Workshop	OSU
Susan Braig	Millersburg	Workshop	Workshop	Workshop	OSU
Bradley Breeden	Oregon	HS Junior	HS Student	HS Student	Clay High
Amanda Bressoud	Granville	HS Sophomore	HS Student	HS Student	Granville High
Michael Brickell	Grove City	Workshop	Workshop	Workshop	OSU
Reed Brodrik	Seville	Senior	Biology	Bio Sci	OSU
Daniel Brook	Cincinnati	HS Senior	HS Student	HS Student	Sycamore High
Zane Brown	Zanesville	Senior	Biology	Bio Sci	OSU
Kimberly Burnham	Toledo	Workshop	Workshop	Workshop	OSU
Jonathan Cameron	Mineral Ridge	Workshop	Workshop	Workshop	OSU
Clayton Casper	Canton	Junior	Undecided	Math & Phys Sci	OSU
Ruben Castillo	Oak Harbor	Senior	Ecol Engineering	Engineering	OSU
Justin Chaffin	Toledo	Workshop	Workshop	Workshop	OSU
Elizabeth Chartrand	Columbus	Senior	Zoology	Bio Sci	OSU
Alexandra Chirakos	Dublin	HS Senior	HS Student	HS Student	Dublin Coffman High
Selina Clubbs	Galloway	HS Senior	HS Student	HS Student	Hilliard Bradley High
Meghan Coleman	Brunswick	HS Junior	HS Student	HS Student	Brunswick High
Benjamin Colvin	Athens	HS Sophomore	HS Student	HS Student	Athens High
Gregory Conn	Marysville	Workshop	Workshop	Workshop	OSU
Winston Crausaz	Elyria	Grad Nondegree	Cont Ed	Graduate	OSU
Jeffrey Crosby	Bellevue	Workshop	Workshop	Workshop	OSU
Daniel Cunningham	Akron	Senior	Accounting	Business	OSU
Sarah Cusser	Columbus	Master's	EEOB	Graduate	OSU-Newark
Brittany Daniels	Westlake	Sophomore	Biology	Not stated	Lorain County Comm Coll
Hillary Dean	Toledo	Wkshp-Senior	Environmental Sci	Workshop	Univ of Toledo
Jenna D'Epifanio	Fairfield	HS Senior	HS Student	HS Student	Fairfield High
David DeZeeuw	Put-In-Bay	Workshop	Workshop	Workshop	OSU
Kelsey Dick	Columbus	Senior	EEOB	Bio Sci	OSU
Kent Dilworth	Celina	Workshop	Workshop	Workshop	OSU

Table 24 – 2011 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Sara Dimick	Rogers City MI	Junior	Fisheries Mgt	Fisheries Mgt	Lake Superior State Univ, MI
Molly Domer	Put-In-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Christina Dong	Oxford	HS Junior	HS Student	HS Student	Stephen T Badin High
Raymond Dong	Oxford	HS Senior	HS Student	HS Student	Stephen T Badin High
Linda Duellman	Pickerington	Grad Nondegree	Teaching & Learning	Graduate	OSU
Lauren Duff	Middleburg Hts	HS Senior	HS Student	HS Student	Holy Name High
Robin Dungan	Columbus	Grad Nondegree	Cont Ed	Graduate	OSU
Patricia Elliott	Centerville	Workshop	Workshop	Workshop	OSU
Kristen Ewen	Ann Arbor MI	HS Junior	HS Student	HS Student	Dexter High, MI
Susan Fillmore	Columbus	Post-Graduate	Undergr Nondegree	Cont Ed	OSU
Lauren Flick	Cincinnati	Senior	Biology	Not stated	Univ of Cincinnati
Sarah Focht	Harrison	Junior	For, Fish & Wldlf	Env & Nat Res	OSU
Matthew Forte	Circleville	Workshop	Workshop	Workshop	OSU
Tory Gabriel	Fremont	Grad Nondegree	Life Science Ed	Graduate	OSU
Elizabeth Galko	Mentor	HS Senior	HS Student	HS Student	Lake Catholic High
Marissa Ganzfried	Columbus	HS Senior	HS Student	HS Student	Linworth Program
Grant Gase	Tiffin	HS Junior	HS Student	HS Student	Columbian High
Alana Gildner	Ashley	HS Junior	HS Student	HS Student	Village Academy
Andrew Glaser	Hillsborough NJ	Master's	Horticulture	Graduate	OSU
Phoenix Golnick	Oak Harbor	Junior	Restoration Ecol	Natural Sciences	Defiance Coll
Kristina Granlund	Cuyahoga Heights	Workshop	Workshop	Workshop	OSU
John Grayson	Wellington	Senior	For, Fish & Wldlf	Env & Nat Res	OSU
Angela Greene	Medway	Grad Nondegree	Science Ed	Graduate	OSU
Zachary Griebenow	Taylorsville KY	HS Sophomore	HS Student	HS Student	Home Sch-NonRes of Ohio
Laura Grimm	Dalton	Grad Nondegree	Biology/Education	Graduate	OSU
Django Grootmyers	Columbus	HS Sophomore	HS Student	HS Student	Columbus Alternative High
Jonathan Hall	Columbus	Ph.D.	Ecology	Graduate	OSU
Laura Handleton	Cincinnati	HS Junior	HS Student	HS Student	Anderson High
Ellen Harrell	Dublin	HS Sophomore	HS Student	HS Student	Dublin Coffman High
Timothy Henthorne	Westerville	Workshop	Workshop	Workshop	OSU
Dori Hess	Malvern	Master's	Integrated Science	Not stated	Miami Univ
Marcia Hintz	Grand Rapids	Workshop	Workshop	Workshop	OSU
Anna Hitzhusen	Columbus	Workshop	Workshop	Workshop	OSU
Jerome Hoke	Columbus	Junior	Ecology	Not stated	Univ of Rochester, NY
Todd Hone	Celina	Workshop	Workshop	Workshop	OSU
Maxwell Hoover	Brecksville	HS Junior	HS Student	HS Student	Western Reserve Acad High
Michael Hornick	Shaker Heights	Senior	Biology/French	Bio Sci	OSU
Robert Howley	Columbus	Workshop	Workshop	Workshop	OSU
Maya Hughes	Columbus	Junior	Chemical Engr	Engineering	OSU
Jordan Jenkins	Sidney	Senior	Biology/FFW	Bio Sci	OSU
Jill Jentes Banicki	Columbus	Workshop	Workshop	Workshop	OSU
Thomas Jervey	Powell	Post-Graduate	Biology	Cont Ed	OSU
Ashley Johnston	Columbus	Senior	For, Fish & Wldlf	Env & Nat Res	OSU
Mary Jolley	Millersburg	Workshop	Workshop	Workshop	OSU
Douglas Joy	Zanesville	Grad Nondegree	Cont Ed	Graduate	OSU
Ana Jurcak	Bethlehem PA	Wkshp-Senior	Biology	Workshop	State Univ of NY-Oswego, NY
Wakanene Kamau	Perrysburg	HS Junior	HS Student	HS Student	Perrysburg High
Justine Kaseman	Waterville	Wkshp-Junior	Conservation Biol	Workshop	Bowling Green State Univ
Lucas Kasson	Cincinnati	HS Junior	HS Student	HS Student	St Xavier High
Martin Kielbasa	Youngstown	Workshop	Workshop	Workshop	OSU
Megan Kingrey	Tipp City	Sophomore	Pre-vet/Biology	Animal Sci	Univ of Findlay
Nicola Klee	Rocky River	Junior	Undecided	Not stated	Lafayette Coll, PA
Christopher Klemm	Shawnee Hills	Grad Nondegree	Biology/Education	Graduate	OSU

Table 24 – 2011 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Sara Klips	Columbus	Junior	Zoology/Art	Bio Sci	OSU-Marion
Thomas Knight	Milan	Senior	For, Fish & Wildf	Env & Nat Res	OSU
Lindsey Korfel	Westerville	Senior	Biology	Not stated	Wittenberg Univ
Karina Kowalski	Put-In-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Amy Kramer	Centerville	Junior	Evol & Ecology	Bio Sci	OSU
Jack Kramer	Tiffin	Workshop	Workshop	Workshop	OSU
Kelsey Krempasky	Clarington	Junior	Biology	Bio Sci	OSU
Janet Kriebel	Worthington	Wkshp-GND	Grad Nondegree	Graduate	OSU
Miranda Krueger	Put-In-Bay	HS Junior	HS Student	HS Student	Put-in-Bay High
Amy Kulesza	Columbus	Workshop	Workshop	Workshop	OSU
Aarti Kumar	Mason	HS Sophomore	HS Student	HS Student	Wm Mason High
Britani Kyser	Gahanna	Senior	Biology	Not stated	Capital Univ
Kaitlin Lacy	Saint Paris	Sophomore	Accounting	Business	OSU
Gerald Large	Medina	Post-Graduate	Continuing Ed Prg	Cont Ed	OSU
Rachel Leist	Pickerington	HS Senior	HS Student	HS Student	Pickerington High Central
Benjamin Leonhardt	Cincinnati	Junior	Zoology	Bio Sci	OSU
Thomas Lloyd	Worthington	Grad Nondegree	Grad Nondegree	Graduate	OSU
Justin Loesch	Columbus	Master's	Ecologcl Restoration	Graduate	OSU
Lawrence Long	Middletown	Master's	Entomology	Graduate	OSU
Tyler Lubinski	Columbia Station	HS Junior	HS Student	HS Student	Columbia High
Drake Lundstrom	Westerville	HS Sophomore	HS Student	HS Student	Westerville-North High
Edward Lusk	Independence	Workshop	Workshop	Workshop	OSU
Alex Lytten	Curtice	HS Sophomore	HS Student	HS Student	Toledo Early Coll High
Ronald Maichle	Olmstead Falls	Workshop	Workshop	Workshop	OSU
Bethany Majeski	Cleveland	Workshop	Workshop	Workshop	OSU
Rachel Maltese	Toledo	Sophomore	Env Policy	Env & Nat Res	OSU
Patricia Mantey	Marion	Workshop	Workshop	Workshop	OSU
Teresa Mantey	Caledonia	Workshop	Workshop	Workshop	OSU
Jeffrey Martin	Toledo	Workshop	Workshop	Workshop	OSU
Emma Matcham	York PA	HS Sophomore	HS Student	HS Student	York Suburban High, PA
Danuta Mazur	Toledo	Workshop	Workshop	Workshop	OSU
Connor McCabe	Delaware	HS Junior	HS Student	HS Student	Rutherford B Hayes High
Samuel McCoy	Marietta	Senior	Biology	Bio Sci	OSU
Emily McCroskey	Granville	HS Sophomore	HS Student	HS Student	Granville High
Daniel McGannon	Lorain	Workshop	Workshop	Workshop	OSU
Joseph McGraw	Cincinnati	Senior	Environmental Sci	Env & Nat Res	OSU
Laurel McMahan	Marion	Workshop	Workshop	Workshop	OSU
Lisa Miller	Beavercreek	HS Senior	HS Student	HS Student	Beavercreek High
Dallas Mohn	Put-in-Bay	HS Junior	HS Student	HS Student	Put-in-Bay High
Gregory Moon	Silva MO	Junior	Biochemistry	Bio Sci	OSU
Benjamin Moran	Minerva	HS Sophomore	HS Student	HS Student	Minerva High
Seth Morgan	Hebron	Master's	Teaching & Learning	Graduate	OSU
Olivia Morris	Columbus	HS Junior	HS Student	HS Student	The Graham School
Sophia Mort	Cincinnati	Senior	EEOB	Bio Sci	OSU
Jacqueline Mostow	Akron	Junior	Env Studies & Biol	Biology	Oberlin Coll
Daniel Murphy	Shaker Heights	HS Sophomore	HS Student	HS Student	Shaker Heights High
Robert Myers	McComb	HS Junior	HS Student	HS Student	McComb Local School High
Lynn Nedrow	Sylvania	Grad Nondegree	Education	Graduate	OSU
Thanh Nguyen	Columbus	Senior	Anthro Sci	Arts	OSU
Jennifer Noland	Bowling Green	Master's	EEOB	Graduate	OSU
Elizabeth Overmier	Liberty Center	Master's	Science Ed	Biology	Bowling Green State Univ
Brad Parsons	Granville	Workshop	Workshop	Workshop	OSU
Rebecca Parsons	Granville	Workshop	Workshop	Workshop	OSU

Table 24 – 2011 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Henry Peller	Roseville	Sophomore	Horticulture	FAES	OSU
Alyssa Perrin	Seven Hills	Senior	Biology	Bio Sci	John Carroll Univ
Mark Peter	Reynoldsburg	Ph.D.	Geological Sci	Graduate	OSU
Rachel Petraitis	Pickerington	Senior	Education	Education	Capital Univ
Andrew Phillips	Lorain	Junior	For, Fish & Wldlf	Env & Nat Res	OSU
Elizabeth Pleta	Middleburg Hts	Junior	Zoology	Bio Sci	OSU
Colton Plumb	Oregon	Sophomore	Fisheries Science	Not stated	Hocking Technical Coll
David Poole	Columbus	Master's	Grad Env & Nat Res	Graduate	OSU
Susanna Raftery	Columbus	Grad Nondegree	Education	Graduate	OSU
Grant Ranchoff	Columbia Station	HS Junior	HS Student	HS Student	Padua Franciscan High
Stacey Rauch	Columbus	Senior	Education/Biology	Education	Capital Univ
David Reed	Columbus	Junior	Mechanical Engr	Engineering	OSU
Nicholas Reis	Centerville	HS Junior	HS Student	HS Student	Dayton Christian High
Daniel Richey	Dublin	Junior	Zoology	Bio Sci	OSU
Jennifer Rohrbaugh	Hamilton	HS Senior	HS Student	HS Student	Fairfield High
Angela Rudnicki	Toledo	HS Junior	HS Student	HS Student	St Ursula Academy High
Erica Rufenacht	Grand Rapids	HS Junior	HS Student	HS Student	Anthony Wayne High
Austin Ruhe	Elida	Sophomore	Biology	Ugrd Stdt Ac Srv	OSU-Lima
Eric Ryan	Grove City	Master's	Ed Admin	Graduate	OSU
Evan Salcido	Las Vegas NV	Sophomore	Chemistry	Math & Phys Sci	OSU
Chris Sallee	Bellevue	Workshop	Workshop	Workshop	OSU
Scott Sansone	West Jefferson	Senior	For, Fish & Wldlf	Env & Nat Res	OSU
Matthew Sarver	Columbus	Senior	Zoology	Bio Sci	OSU
Cheston Saunders	Delco NC	Master's	Science Ed	Education	Univ of NC–Wilmington, NC
Heather Scheid	Lorain	Workshop	Workshop	Workshop	OSU
Ryan Schoeneman	Mount Gilead	Senior	Ecology	Bio Sci	OSU
John Schrenk	Lorain	Workshop	Workshop	Workshop	OSU
Katelyn Schroder	Harrison	HS Junior	HS Student	HS Student	Wm Henry Harrison High
Kaleb Secor	Willard	Junior	Mid Childhood Ed	Arts & Sci	OSU
Kathleen Seeley	Zanesfield	HS Junior	HS Student	HS Student	Benjamin Logan High
Lyudmila Shemyakina	Chicago IL	Workshop	Workshop	Workshop	OSU
Megan Shortridge	Perrysburg	Wkshp-Junior	Zoology	Arts & Sci	OSU
Kathryn Simecek	Twinsburg	HS Senior	HS Student	HS Student	Twinsburg High
Krystyn Skrinak	Columbus	Senior	Aviation	Soc & Behv Sci	OSU
Brenda Snyder	Toledo	Workshop	Workshop	Workshop	OSU
Elijah Spang	Toledo	HS Sophomore	HS Student	HS Student	St Francis De Sales High
Samantha Spence	Lexington	Senior	Environmental Sci	Env & Nat Res	OSU
Alexander Spitzer	Amherst	HS Junior	HS Student	HS Student	Western Reserve Acad High
Kamela Stamey	Dayton	Junior	Marine Biology	Arts & Sci	Bowling Green State Univ
Elizabeth Stine	Columbus	Post-Graduate	Education	Not stated	Capital Univ
Jedediah Stinner	Smithville	Master's	Environmental Sci	Graduate	OSU-Wooster
Ryan Stokes	Columbus	Senior	Food, Ag & Bio Engr	Engineering	OSU
Samantha Stoklosa	Pickerington	Junior	For, Fish & Wldlf	Env & Nat Res	OSU
Thomas Sudman	Celina	Workshop	Workshop	Workshop	OSU
Jennifer Swonger	Ottawa Hills	HS Junior	HS Student	HS Student	Ottawa Hills High
Hilary Thompson	Columbus	Senior	EEOB	Bio Sci	OSU
Tara Thompson	Bowling Green	Wkshp-Senior	Biology	Workshop	Bowling Green State Univ
Brendan Tisch	Solon	HS Sophomore	HS Student	HS Student	Solon High
David Tomashefski	Lakewood	Master's	Eco Restoration	Graduate	OSU
Brandon Traud	Cleveland	Grad Nondegree	Science Ed	Not stated	Cleveland State Univ
Grace Tucker	Columbus	HS Sophomore	HS Student	HS Student	Upper Arlington High
Allison Vedder	Vandalia	Senior	Mid Childhood Ed	Arts & Sci	OSU
Mark Wagner	Bowling Green	Wkshp-Senior	Biology	Workshop	Bowling Green State Univ

Table 24 – 2011 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Sarah Wagner	Ashland	HS Junior	HS Student	HS Student	Ashland High
Amber Walden	Akron	Senior	Zoology	Bio Sci	Kent State Univ
James Warner	Norwalk	Workshop	Workshop	Workshop	OSU
Chloe Welch	Akron	Sophomore	Environmental Sci	Env & Nat Res	OSU
Kathryn Welch	Marietta	Junior	Environmental Sci	Biology Dept	John Carroll Univ
Connor West	Pickerington	HS Junior	HS Student	HS Student	Pickerington High North
Bethany Williams	Seville	HS Junior	HS Student	HS Student	Norwayne High
Ashley Willis	New Philadelphia	Master's	Education	Not stated	Univ of Akron
Katy Wilms	Elyria	HS Junior	HS Student	HS Student	Elyria High
Sarah Winnicki	Medina	HS Junior	HS Student	HS Student	Cloverleaf High
Edward Wiza	Port Clinton	HS Sophomore	HS Student	HS Student	St Joseph Central Catholic HS
Lauren Wooddell	Middletown	Sophomore	Animal Sciences	FAES	OSU
Amanda Wright	Gnadenhutten	Senior	Biology	Bio Sci	OSU
Jenna Yeomans	Lowell	HS Junior	HS Student	HS Student	Parkersburg Catholic High, WV
Rachel Yurchisin	Cleveland	HS Sophomore	HS Student	HS Student	Padua Franciscan High
Elizabeth Zebrowski	Parma	Junior	Evol & Ecology	Bio Sci	OSU
Andrew Zimmerman	Bowling Green	Senior	Biology	Not stated	Bowling Green State Univ
Daniel Zimmerman	Hamilton	HS Junior	HS Student	HS Student	Edgewood High
Lee Zinn	Sandusky	Post-Graduate	Continuing Ed Prg	Cont Ed	OSU

FAES=Food, Agriculture, and Environmental Sciences

Note: Affiliation of non-credit workshop participants is indicated as OSU if not currently enrolled in a university.

TABLE 25

**Stone Laboratory Student Roster
2012**

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Curtis Abell	Columbus	Grad Nondegree	Entomology	Graduate	OSU
Alfredo Ahmadi	Columbus	Wkshp-Junior	Nat Res Mgt	Workshop	OSU
Melissa Allen	Centerburg	Senior	Biology	Arts & Sci	OSU
Zachariah Alley	Cincinnati	Junior	Zoology	Arts & Sci	Miami Univ-Hamilton
Melinda Ames	Hamilton	Postgraduate	Education	Cont Ed	OSU
Kelsey Anthony	Wapakoneta	Senior	Bio-Envr Engr	Engineering	OSU
Michael Arends	Columbus	Grad Nondegree	Grad Nondegree	Graduate	OSU
Molly Armfelt	London	Freshman	Zoology	Arts & Sci	OSU
Halli Bair	Columbus	HS Sophomore	HS Student	HS Student	Grandview Heights High
Sarah Baldessari	Hudson	Sophomore	Undecided	Not stated	Kenyon Coll
Jason Bartalon	Worthington	Postgraduate	Cont Ed	Cont Ed	OSU
Humza Bashir	Springfield	HS Junior	HS Student	HS Student	Springfield North High
Robin Bautista Jimenez	Galloway	Junior	EEOB	Arts & Sci	OSU
Rachel Bellis	Brecksville	Junior	Biology	Biol & Geol	Baldwin-Wallace Univ
Jennifer Bergner	Shepherd MI	Wkshp-Master's	Conservation Biol	Workshop	Central Michigan Univ, MI
Kelly Best	Columbus	Ph.D.	Earth Sciences	Grad-Arts & Sci	OSU
Leah Bilski	Westlake	Sophomore	Undecided	Unknown	Eckerd Coll, FL
Kathryn Boester	Ostrander	Sophomore	Animal Sci	Agriculture	OSU
Ryan Bonner	Powell	Grad Nondegree	Marine Sciences	Marine Sci	Univ of Maine, ME
Kevin Boyer	Oberlin	HS Sophomore	HS Student	HS Student	Oberlin High
Ruth Briland	Columbus	Ph.D.	EEOB	Grad-Bio Sci	OSU
Daniel Brook	Cincinnati	Sophomore	Biomedical Sci	Hlth & Rehab Sc	OSU
William Brubach	Lancaster	Workshop	Workshop	Workshop	OSU
Christopher Bruegge	Bexley	HS Junior	HS Student	HS Student	Bexley High
Michelle Bryant	Galena	Workshop	Workshop	Workshop	OSU
Jared Burson	Milan	Senior	For, Fish & Wldlf	Env & Nat Res	OSU
Bonnie Buthker	Brookville	Workshop	Workshop	Workshop	OSU
Greg Buthker	Brookville	Workshop	Workshop	Workshop	OSU
Anna Callahan	Ottawa Hills	HS Junior	HS Student	HS Student	Ottawa Hills High
Chloe Capuano	Columbus	HS Junior	HS Student	HS Student	Upper Arlington High
Kiara Carballada	Columbus	Junior	Animal Sci	Agriculture	OSU
James Cash	Delaware	Grad Nondegree	Env & Nat Res	Graduate	OSU
Blythe Cassidy	Brecksville	HS Sophomore	HS Student	HS Student	Brecksville-Broadview Hts High
Kuan-Yu Chen	Columbus	Ph.D.	EEOB	Graduate	OSU
Michael Chips	Pittsburgh PA	Ph.D.	Ecology	Biology Dept	Univ of Pittsburgh, PA
Jessica Clark	Columbus	Postgraduate	Fish & Wildlife	Cont Ed	OSU
Bryan Cole	Dublin	Senior	Biology	Arts & Sci	OSU
Meghan Coleman	Brunswick	HS Senior	HS Student	HS Student	Brunswick High
James Cook	Dublin	Workshop	Workshop	Workshop	OSU
Eric Coven	Elyria	Workshop	Workshop	Workshop	OSU
Michael Crissman	Euclid	Wkshp-Senior	Journalism	Workshop	Kent State Univ
Kathryn Cubert	Grove City	Workshop	Workshop	Workshop	OSU
Lauren Cuevas	Granger Twnshp	HS Senior	HS Student	HS Student	Holy Name High
Brittany Daniels	Westlake	Junior	Biology	Not stated	Lorain County Comm Coll
Rachael Davis	Columbia MD	Master's	Mathematics	Grad-Arts & Sci	OSU
Charles Dean	Columbus	Junior	Evol & Ecology	Arts & Sci	OSU
Donna Delahanty	Cincinnati	Workshop	Workshop	Workshop	OSU
Rachael Denholm	Stow	Junior	Biology	Exploration	OSU

Table 25 – 2012 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Katherine Denune	Columbus	HS Sophomore	HS Student	HS Student	Upper Arlington High
Diane Desotelle	Duluth MN	Workshop	Workshop	Workshop	Univ of Minnesota, MN
Krysten Dick	Plain City	Senior	Wildlife Science	Env & Nat Res	OSU
Christian Donovan	Grove City	HS Sophomore	HS Student	HS Student	St Charles Preparatory High
Vivian Duff	New Holland	Workshop	Workshop	Workshop	OSU
Shannon Dutton	Delaware	Grad Nondegree	Ed T & L	Graduate	OSU
Richard Edwards	Ashland	Workshop	Workshop	Workshop	OSU
Francis Essien	Columbus	Junior	Biology	Biology	Gannon Univ, PA
Thomas Evans	Columbus	Master's	Ecology	Graduate	OSU
Heather Fair	Columbus	Ph.D.	Environmental Sci	Graduate	OSU
Eric Fakan	Bowling Green	Wkshp-Junior	Marine Biology	Workshop	Bowling Green State Univ
Christina Farinacci	Powell	Senior	Biology	Bio Sci	OSU
Madison Farmwald	Doylestown	HS Junior	HS Student	HS Student	Chippewa High
Rebecca Ferrenberg	Liberty Township	Wkshp-Senior	Zoology	Workshop	Miami Univ
Susan Fillmore	Columbus	Postgraduate	Cont Ed	Cont Ed	OSU
Ronald Fox	North Olmsted	HS Senior	HS Student	HS Student	North Olmsted High
Debra Frazier	Marion	Senior	Lib Arts/Science	Arts & Sci	OSU-Marion
Simon Freeman	Norwalk	HS Junior	HS Student	HS Student	Norwalk High
Sophia Friesen	Mount Gilead	HS Junior	HS Student	HS Student	Mt Gilead High
Brewster Frusher	Newark	Wkshp-Senior	Nat Res Mgt	Workshop	OSU
Douglas Frye	St. Clairsville	Workshop	Workshop	Workshop	OSU
Clarence Fullard	Mt Pleasant MI	Workshop	Workshop	Workshop	OSU
Tory Gabriel	Fremont	Grad Nondegree	Life Sci Ed	Graduate	OSU
Marissa Ganzfried	Worthington	Sophomore	Biology	Bio Sci	Baldwin-Wallace Univ
John Gaskins	Tipp City	HS Junior	HS Student	HS Student	Tippicanoe High
Katherine Gelet	Warren	Master's	Invasive Spcs Mgt	Grad-ENR	OSU
Thomas Georg	Celina	Workshop	Workshop	Workshop	OSU
Kenneth Gibbons	Toledo	Senior	Biology	Biology Dept	Albion Coll, MI
Joshua Gibson	Lima	Junior	Entomology	Agriculture	OSU-Lima
Charles Goldston	Bentleyville	HS Sophomore	HS Student	HS Student	Hawken High
Senaka Goonewardena	Columbus	Workshop	Workshop	Workshop	OSU
Jason Gostiaux	Royal Oak MI	Sophomore	Fisheries Mgt	Dept of Bio Sci	Lake Superior State Univ, MI
Emily Govern	Macedonia	Junior	For, Fish & Wldlf	Env & Nat Res	OSU
Felicia Graham	Dayton	Workshop	Workshop	Workshop	OSU
Angela Greene	Medway	Grad Nondegree	Education	Graduate	OSU
Robert Grimm	Zionsville IN	Postgraduate	Cont Ed	Cont Ed	OSU
Django Grootmyers	Columbus	HS Junior	HS Student	HS Student	Columbus Alternative High
Cynthia Gunn	Columbus	Grad Nondegree	Education	Graduate	OSU
Mallore Hagerty	Dayton	Freshman	Biology	Bio Sci	OSU
Colleen Hanly	Powell	Senior	Pharmaceutical Sci	Pharmacy	OSU
Elizabeth Hanson	Miamisburg	HS Sophomore	HS Student	HS Student	Miamisburg High
Olivia Harder	Martin	Freshman	Zoology	Arts & Sci	OSU
Mary Hawkins	Urbana	Junior	English	Arts & Sci	OSU-Lima
Robert Hawkins	Dayton	Workshop	Workshop	Workshop	OSU
Andrew Hawthorn	Baltimore	HS Sophomore	HS Student	HS Student	Liberty Union High
Rachel Hefflinger	Napoleon	Junior	For, Fish & Wldlf	Env & Nat Res	OSU
Christopher Hess	Columbus	Senior	Envr Policy & Mgt	Env & Nat Res	OSU
Nicholas Hindman	Marion	Senior	Earth Science	Arts & Sci	OSU
Anna Hitzhusen	Columbus	Workshop	Workshop	Workshop	OSU
Scott Hoff	Bluffton	Grad Nondegree	Grad Nondegree	Graduate	OSU
Laura Holladay	Ann Arbor MI	Workshop	Workshop	Workshop	OSU
Jordan Holman	Chesapeake	HS Sophomore	HS Student	HS Student	Fairland High

Table 25 – 2012 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Robert Holmes	Akron	Workshop	Workshop	Workshop	OSU
Sandra Holway	Fairborn	Grad Nondegree	Grad Nondegree	Graduate	Wright State Univ
Joseph Hunt	Columbus	Wkshp-Junior	Environmental Sci	Workshop	OSU
Samuel Jacob	Lorain	Workshop	Workshop	Workshop	OSU
Jacob Kaiser	Fremont	HS Sophomore	HS Student	HS Student	Gibsonburg High
Robert Kallal	Huntingtown MD	Wkshp-Ph.D.	Arachnology	Workshop	George Washington Univ, DC
Joseph Kanitz	Cincinnati	HS Junior	HS Student	HS Student	St Xavier High
Susanne Karsiotis	Oregon	Senior	Environmental Sci	Env Sciences	Univ of Toledo
Justine Kaseman	Waterville	Senior	Biology	Arts & Sci	Bowling Green State Univ
Thomas Kelemen	Westlake	HS Junior	HS Student	HS Student	Westlake High
Harrison Kelley	Bexley	Junior	Zoology	Arts & Sci	OSU
Christopher Klemm	Shawnee Hills	Grad Nondegree	Education	Graduate	OSU
Anna Klompen	Worthington	HS Junior	HS Student	HS Student	Thomas Worthington High
Deborah Knight	Columbus	Workshop	Workshop	Workshop	OSU
Christopher Koch	Brunswick	Senior	Environmental Sci	Arts & Sci	John Carroll Univ
Christine Kotik	Westerville	Postgraduate	Cont Ed	Cont Ed	OSU
Daniel Kovtun	Solon	HS Sophomore	HS Student	HS Student	Solon High
Karina Kowalski	Put-in-Bay	HS Junior	HS Student	HS Student	Put-in-Bay High
Christopher Kozlowski	Sylvania	Junior	Animal Sci	Agriculture	OSU
Margaret Kronz	Westlake	HS Sophomore	HS Student	HS Student	Westlake High
Michael Kulasa	Columbus	Postgraduate	Biology	Cont Ed	OSU
Charles Lacy	Akron	Workshop	Workshop	Workshop	OSU
Daniel Lacy	Mason	Sophomore	Biology	Bio Sci	OSU
Jacqueline Lammers	Port Clinton	Senior	For, Fish & Wldlf	Env & Nat Res	OSU
Rachel LaPorta	Parma	Junior	Biology	Biology Dept	Baldwin-Wallace Univ
Isaac Leeds	Ostrander	HS Junior	HS Student	HS Student	Fairbanks High
Kelsey Liu	Reynoldsburg	Postgraduate	Education	Cont Ed	Capital Univ
Alexandra Lombard	Columbus	HS Junior	HS Student	HS Student	Columbus Alternative High
Terry Longwell	Avon Lake	Workshop	Workshop	Workshop	OSU
James Lowrey	Columbus	HS Senior	HS Student	HS Student	Upper Arlington High
Anne Lyon	Amelia	Workshop	Workshop	Workshop	OSU
Alex Lytten	Curtice	HS Junior	HS Student	HS Student	Toledo Early Coll High
Kelsey Mack	Marysville	HS Junior	HS Student	HS Student	Marysville High
Mary Mahr	Kettering	Workshop	Workshop	Workshop	OSU
Stephanie Malinich	North Ridgeville	Sophomore	Evol & Ecology	Arts & Sci	OSU
Matthew Malvic	Brecksville	Senior	Trsm,LsrStds&EvtPl	Not stated	Bowling Green State Univ
Whitney Marshall	Mansfield	Senior	Biology	Arts & Sci	OSU
Cassandra May	Dublin	Ph.D.	EEOB	Graduate	OSU
Alexander McCartney	Maumee	HS Sophomore	HS Student	HS Student	Central Catholic High
Daniel McCullough	Pickerington	Senior	Integrated Sci	Mth & Phys Sci	OSU
Jason McCurdy	Iowa City IA	Workshop	Workshop	Workshop	OSU
Robert McHenry II	Moundsville WV	Workshop	Workshop	Workshop	OSU
Alifia Merchant	Columbus	Senior	Environmental Sci	Env & Nat Res	OSU
Valerie Meyers	Warren	Workshop	Workshop	Workshop	OSU
Sarah Middleton	Westerville	Senior	Zoology	Arts & Sci	OSU
Adam Miller	Pepper Pike	HS Sophomore	HS Student	HS Student	Gilmour Academy High
Halle Miller	Columbia Station	HS Junior	HS Student	HS Student	Columbia High
Heather Miller	Columbus	Ph.D.	Education	Graduate	OSU
Jennifer Miller	Elmore	Workshop	Workshop	Workshop	OSU
Katalin Millinger	Columbus	Senior	Environmental Sci	Bio Sci	Capital Univ
Emily Mills	Cincinnati	Junior	Psychology	Arts & Sci	OSU
Justine Missik	Bloomington IN	Senior	Environmental Sci	Pub & Env Affrs	Indiana Univ, IN

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<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Katherine Mollohan	Columbus	Ph.D.	Education	Graduate	OSU
Erin Monaco	North Royalton	Junior	Microbio/Plant Pth	Arts & Sci	OSU
Trevor Moore	Wooster	Sophomore	HorticulturalSci	ATI	OSU
Benjamin Moran	Minerva	HS Junior	HS Student	HS Student	Minerva High
Brodie Moran	Dresden	Workshop	Workshop	Workshop	OSU
Emily Morehouse	Amelia	HS Senior	HS Student	HS Student	Amelia High
Meghan Moser	Perrysburg	Junior	Environmental Sci	Env & Nat Res	OSU
Brian Mysonhimer	Mason	HS Junior	HS Student	HS Student	Bishop Fenwick High
Andrea Nagy	Elyria	Senior	Communictns/Biol	Liberal Arts	Cleveland State Univ
Gregory Nagy	Avon	HS Junior	HS Student	HS Student	Elyria Catholic High
Jennifer Naujock	Toledo	Grad Nondegree	Education	Graduate	OSU
Cedric NdingaMuniania	Kent	Junior	Biology	Bio Sci	Kent State Univ
Anastasia Noffsinger	Lebanon	Junior	Biology	Bio Sci	OSU
Adam Nolan	Mansfield	Junior	Envr Policy & Mgt	Env & Nat Res	OSU
Colin O'Connor	Sheffield Lake	HS Junior	HS Student	HS Student	St Edward High
Karin Oh	Cincinnati	HS Sophomore	HS Student	HS Student	Sycamore High
Jason Orabella	Loveland	Senior	For, Fish & Wldlf	Env & Nat Res	OSU
Elizabeth Overmier	Liberty Center	Master's	Science Education	Bio Sci	Bowling Green State Univ
Brad Parsons	Granville	Workshop	Workshop	Workshop	OSU
Richard Parsons	Dresden	Workshop	Workshop	Workshop	OSU
Justine Patmon	Columbus	Senior	Envr Policy & Mgt	Env & Nat Res	OSU
Sarah Payler	Elyria	Senior	Mid Childhood Ed	Arts & Sci	OSU
Melanie Perello	Poland	Senior	Biology	Biology	Westminster Coll, PA
Mark Peter	Reynoldsburg	Ph.D.	Geological Sci	Graduate	OSU
Sarah Peterson	Columbus	Senior	Zoology	Arts & Sci	OSU
Gwynne Posey	Columbus	Master's	Education	Graduate	OSU
Anne Preston	S Charleston WV	Junior	Environmental Sci	Nat Sci & Math	Transylvania Univ, KY
Rachel Preuss	Plymouth MI	HS Junior	HS Student	HS Student	Plymouth High
Shannon Quinn	Miamisburg	Junior	Inegrated Sci Ed	Mth, CS & Phys	Capital Univ
Susanna Raftery	Columbus	Grad Nondegree	Grad Nondegree	Graduate	OSU
Lauren Ralph	Lancaster	HS Junior	HS Student	HS Student	Fairfield Christian Academy
Victoria Rapchak	Lorain	HS Sophomore	HS Student	HS Student	Magnificat High
Heather Raymond	Worthington	Workshop	Workshop	Workshop	OSU
Anna Rence	Put-In-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Daniel Riddell	Austinburg	Workshop	Workshop	Workshop	OSU
Kyle Rieve	Columbus	Wkshp-Junior	Environmental Sci	Workshop	OSU
Sarah Rose	Hilliard	Ph.D.	Env & Nat Res	Graduate	OSU
Keith Ruh	Westerville	HS Junior	HS Student	HS Student	Westerville-North High
Kaylina Ruth	Columbus	HS Junior	HS Student	HS Student	Whetstone High
Elizabeth Ruvolo	Ottawa Hills	HS Sophomore	HS Student	HS Student	Ottawa Hills High
Ellen Saffran	Port Clinton	Grad Nondegree	Grad Nondegree	Graduate	OSU
Nicholas Salamon	Carroll	HS Sophomore	HS Student	HS Student	St Charles Preparatory High
Evan Salcido	Columbus	Junior	Zoology	Arts & Sci	OSU
Michael Santone	Westerville	Workshop	Workshop	Workshop	OSU
Laura Sass	Port Clinton	Grad Nondegree	Env Education	Graduate	OSU
Gabrielle Semon	Amherst	HS Sophomore	HS Student	HS Student	Amherst Steele High
Joseph Shaw	Brunswick	Senior	For, Fish & Wldlf	Env & Nat Res	OSU
Jeremy Shechter	Milford	Wkshp-Junior	Ecological Engr	Workshop	OSU
Nicholas Shermis	Sylvania	HS Sophomore	HS Student	HS Student	Maumee Val Cntry Day High
Michael Shields	Marietta	Senior	Biology/Zool	Arts & Sci	OSU
Eli Shlonsky	Lyndhurst	HS Sophomore	HS Student	HS Student	Brush High
Christine Siluk	Clifton NJ	Junior	Biology	Bio Sci	Pennsylvania State Univ, PA

Table 25 – 2012 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Sarah Smiley	Cape Coral FL	Ph.D.	EEOB	Graduate	OSU
David Snyder	Cincinnati	Sophomore	Biomedical Engr	Engineering	OSU
Louise Snyder	Dayton	Workshop	Workshop	Workshop	OSU
Robert Solomon	Gahanna	HS Sophomore	HS Student	HS Student	Columbus Academy High
Ross Stadt	Mount Sterling	Sophomore	Fisheries	Not stated	Columbus State Comm Coll
Olivia Staman	Loudonville	Wkshp-Junior	Wildf & Fisheries	Workshop	OSU
Pamela Steck	Galloway	Senior	For, Fish & Wildf	Env & Nat Res	OSU
Luke Steffen	Columbus	HS Senior	HS Student	HS Student	Fort Hayes Metro Educ Ctr
Zachary Steffensmeier	Columbus	HS Junior	HS Student	HS Student	Bishop Watterson High
Cooper Stevens	Neptune Beach FL	HS Sophomore	HS Student	HS Student	Duncan Fletcher High
Andrew Steyer	Defiance	Junior	Biology	Bio Sci	Bowling Green State Univ
Lauren Stokes	Columbus	HS Junior	HS Student	HS Student	Hamilton Township High
Jacob Stoller	East Lansing MI	Wkshp-Master's	Fisheries & Wildf	Workshop	Michigan State Univ, MI
Andrew Sudimack	Columbus	Master's	EEOB	Graduate	OSU
Thomas Sudman	Celina	Workshop	Workshop	Workshop	OSU
Zachary Thomas	Gahanna	Senior	Mid Childhood Ed	Arts & Sci	OSU
Tara Thompson	Bowling Green	Senior	Marine & Aqua Biol	Not stated	Bowling Green State Univ
Celia Tincher	Columbus	Postgraduate	Natural Resources	Cont Ed	OSU
Leslie Tipton	Dayton	Workshop	Workshop	Workshop	OSU
Christopher Torres	Columbus	Ph.D.	Exercise Science	Graduate	OSU
Brandon Traud	Cleveland	Grad Nondegree	Science and Edu	Graduate	OSU
Hugh Trimble	Fairborn	Workshop	Workshop	Workshop	OSU
Kamryn Tufts	Apple Grove WV	Workshop	Workshop	Workshop	OSU
Calab Turner	Grasslake MI	Junior	Fisheries	Not stated	Lake Superior State Univ, MI
Linda Vierow	Westerville	Workshop	Workshop	Workshop	OSU
Leah Vit	Rochester NY	Postgraduate	Biology	Cont Ed	OSU
Chelsea Vretenar	Delaware	Senior	Math	Arts & Sci	OSU
Sarah Wagner	Ashland	HS Senior	HS Student	HS Student	Ashland High
Yifan Wang	Deerfield IL	Senior	Biology	Arts & Sci	OSU
James Warner	Norwalk	Workshop	Workshop	Workshop	OSU
Connor West	Pickerington	HS Senior	HS Student	HS Student	Pickerington High North
Dale White	Columbus	Workshop	Workshop	Workshop	OSU
Aaron Wibberley	Columbus	Postgraduate	Cont Ed	Cont Ed	OSU
Jamie Williams	Wyoming	Senior	Zoology	Arts & Sci	OSU
Anna Wittmer	Mansfield	Senior	Education	Education	Bowling Green State Univ
Edward Wiza IV	Port Clinton	HS Junior	HS Student	HS Student	St Joseph Central Cath High
Jenna Yeomans	Lowell	HS Senior	HS Student	HS Student	Parkersburg Catholic High
Rachel Yurchisin	Cleveland	HS Junior	HS Student	HS Student	Padua Franciscan High
Kristine Zikmanis	Broadview Hts.	HS Sophomore	HS Student	HS Student	North Royalton High
Beverly Zimmerman	Beavercreek	Workshop	Workshop	Workshop	OSU
Samuel Zinamon	Twinsburg	Junior	Biology	Bio Sci	OSU

Note: Affiliation of non-credit workshop participants is indicated as OSU if not currently enrolled in a university.

TABLE 26

**Stone Laboratory Student Roster
2013**

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Robert Adams	Garland TX	Workshop	Workshop	Workshop	OSU
Catherine Altemus	Cypress TX	Junior	Evol & Ecol	Arts & Sci	OSU
Scott Anast	Findlay	Freshman	Hlth Prof Expl	Exploration	OSU-Mansfield
Adam Ares	West Chester	Junior	Environmental Sci	Env & Nat Res	OSU
Ricki Asher	Grove City	HS Sophomore	HS Student	HS Student	Grove City High
Gunnar Auger	Put-in-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Michael Bahler	Perrysburg	Post-Graduate	Biology	Cont Ed	OSU
Kelly Baird	Lexington NC	Senior	Zoology	Arts & Sci	OSU
Ralph Baker	Whitehouse	Workshop	Workshop	Workshop	OSU
Audra Banfield	Columbus	HS Junior	HS Student	HS Student	Metro High
Jacob Bargemann	Morrow	HS Junior	HS Student	HS Student	Walnut Hills High
Amy Barrett	Galloway	Master's	EEOB	Graduate	OSU
Jake Beaulieu	Cincinnati	Workshop	Workshop	Workshop	OSU
Amber Bellamy	Columbus	Ph.D.	EEOB	Graduate	OSU
Albert Beltz	Hubbard	Workshop	Education	Workshop	OSU
Dylan Bender	Loudonville	Junior	Zoology	Arts & Sci	OSU
James Best	Sandusky	Workshop	Workshop	Workshop	OSU
Susan Bixler	Erie MI	Workshop	Workshop	Workshop	OSU
Bradley Blaha	New Albany	HS Junior	HS Student	HS Student	New Albany High
Russell Boes	Upper Sandusky	Workshop	Workshop	Workshop	OSU
Peter Bonn	Columbus	HS Junior	HS Student	HS Student	Grandview Heights High
Rachel Bowerman	Elida	Senior	Biology	Bio Sci	OSU-Lima
Sarah Bowman	Delaware	Ph.D.	EEOB	Graduate	OSU
Joseph Bukosky	Killbuck	Senior	Biology	Arts & Sci	OSU
Kyle Cappotto	Lyndhurst	HS Junior	HS Student	HS Student	Gilmour Academy High
Cynthia Carnicom	Toledo	Senior	Environmental Sci	Enviro Sci	Lourdes Univ
Cheyenne Carter	Columbus	HS Senior	HS Student	HS Student	Hamilton Township High
Emily Christian	Lakewood	Senior	Pre-Vet	Arts & Sci	OSU
Sydney Claus	Solon	HS Junior	HS Student	HS Student	Solon High
Catherine Clemons	Martins Ferry	Sophomore	Evol & Ecol	Arts & Sci	OSU
Molly Cleveland	Green Springs	HS Junior	HS Student	HS Student	Old Fort High
Meghan Coleman	Brunswick	Sophomore	Science	Science	Coastal Carolina Univ, SC
Damian Conglose	Norwalk	HS Junior	HS Student	HS Student	Western Reserve High
John Cooney	Cleveland	Workshop	Education	Workshop	OSU
Erica Copley	Pataskala	Wkshp-Soph	For, Fish & Wldlf	Env & Nat Res	OSU
Morgan Corey	Findlay	Senior	Zoology	Arts & Sci	OSU
John Cortell	Kingston IL	Workshop	Workshop	Workshop	OSU
Eric Coven	Elyria	Workshop	Workshop	Workshop	OSU
Courtney Darrington	Reynoldsburg	Master's	Vet Public Health	Graduate	OSU
Armelle DeRiso	Sandusky	Sophomore	Biology	Arts & Sci	OSU
David DeZeeuw	Put-in-Bay	Workshop	Workshop	Workshop	OSU
Aaron Doty	Findlay	Freshman	Biology	Arts & Sci	OSU
Nancy Downes	Curtice	Workshop	Workshop	Workshop	OSU
Caitlin Duncan	Lexington	Senior	Biology	Arts & Sci	Ashland Univ
Kurt Duncan	Celina	Workshop	Workshop	Workshop	OSU
Veronica Easler	North Fairfield	HS Junior	HS Student	HS Student	St Paul High
Natalie Ellison	St Clairesville	Sophomore	Biology	Bio Sci	Ohio Univ

Table 26 – 2013 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Denise Ellsworth	Massillon	Workshop	Workshop	Workshop	OSU
James Estep	Dublin	Workshop	Workshop	Workshop	OSU
Ronald Fauls	Fostoria	Workshop	Workshop	Workshop	OSU
Ashley Favaro	Mississauga ONT	Workshop	Workshop	Workshop	OSU
Susan Fillmore	Columbus	Post-Graduate	Cont Ed	Cont Ed	OSU
Kyle Foster	Columbus	Senior	Biology	Bio Sci	OSU
Grace Fuchs	Delaware	HS Sophomore	HS Student	HS Student	Rutherford B Hayes High
Carmen Fultz	Sunbury	Senior	Sus Plnt Systems	Agriculture	OSU
Tory Gabriel	Fremont	Grad Nondegree	Life Sci Ed	Graduate	OSU
Kori Gasaway	Columbus	Junior	EEOB	Bio Sci	OSU
Hannah Gonzalez	Loveland	Workshop	Workshop	Workshop	OSU
Daniel Goodman	La Porte IN	HS Sophomore	HS Student	HS Student	La Lumiere HS, IN
Adam Gorski	Columbus	Senior	Geology	Arts & Sci	OSU
Melanie Graeff	Spring Valley	Senior	History	Not stated	Capital Univ
Angela Greene	Medway	Grad Nondegree	Science Ed	Graduate	OSU
Matthew Griffin	Pickerington	HS Sophomore	HS Student	HS Student	Pickerington High North
Nicole Haas	Westlake	Senior	Wildlife Science	Env & Nat Res	OSU
Neil Hamrick	Upper Arlington	Sophomore	Biology	Bio Sci	Ohio Univ
Emily Hardy	Maumee	Senior	Biochemistry/Ed	Education	Capital Univ
Kriss Haren	Tipp City	Workshop	Workshop	Workshop	OSU
Stephanie Harpster	Waynesfield	Sophomore	Biology	Bio Sci	OSU-Lima
Joshua Harris	Cincinnati	HS Sophomore	HS Student	HS Student	Summit Country Day High
Deborah Harris Vallance	Cuyahoga Falls	Workshop	Workshop	Workshop	OSU
Kevin Hart	Put-in-Bay	Grad Nondegree	Grad Nondegree	Graduate	OSU
Andrew Hawthorn	Baltimore	HS Junior	HS Student	HS Student	Liberty Union High
Ryan Hayes	Medina	HS Junior	HS Student	HS Student	Medina County Career Center
Eric Heiser	Williamsburg	Workshop	Workshop	Workshop	OSU
Jeremy Held	Westerville	HS Senior	HS Student	HS Student	Westerville-South High
Mackenzie Hendrock	Silver Lake	Junior	Biology	Bio Sci	OSU
Dane Hixon	Fairview Park	HS Sophomore	HS Student	HS Student	Fairview High
April Hobbs	Delaware	Wkshp-Senior	For, Fish & Wldlf	Env & Nat Res	OSU
Jordan Holtkamp	Richfield	HS Junior	HS Student	HS Student	Revere High
Margaret Holtschlag	Okemos MI	Workshop	Workshop	Workshop	Michigan State Univ, MI
Todd Hone	Celina	Workshop	Workshop	Workshop	OSU
Brian Hood	Westlake	HS Junior	HS Student	HS Student	Westlake High
Sidney Hoover	Findlay	Sophomore	Envrnmntl Engr	Engineering	OSU
Hannah Hostetler	Columbiana	HS Sophomore	HS Student	HS Student	Columbiana High
Shannon Howard	Carroll	Workshop	Workshop	Workshop	OSU
Tsung-Ta Hsu	Columbus	Ph.D.	Env Sci	Graduate	OSU
Brianna Isaacs	Xenia	HS Senior	HS Student	HS Student	Xenia High
Vincent Johns	Columbus	HS Senior	HS Student	HS Student	The Charles School
Cammie Jones	Lansing MI	Workshop	Workshop	Workshop	OSU
Andrew Kastner	Dublin	Senior	Environmental Sci	Env & Nat Res	OSU
Carl Keiser	Pittsburgh PA	Wkshp-PhD	Ecology and Evol	Bio Sci	Univ of Pittsburgh, PA
Robert Kemper	Columbus	Grad Nondegree	Env Sci	Graduate	OSU
Laura Kenyon	Columbus	Ph.D.	EEOB	Graduate	OSU
Hannah Kertes	Avon Lake	HS Junior	HS Student	HS Student	Avon Lake High
Min Keung	Brecksville	Workshop	Workshop	Workshop	OSU
Abigail King	Columbus	Grad Nondegree	Science Ed	Graduate	OSU
Emily King	Cortland	Junior	Mid Childhood Ed	Arts & Sci	OSU
Christopher Klemm	Shawnee Hills	Grad Nondegree	Education	Graduate	OSU
Sara Klips	Columbus	Senior	Zoology	Arts & Sci	OSU

Table 26 – 2013 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Madeleine Knebusch	Big Prairie	HS Junior	HS Student	HS Student	West Holmes High
Nicholas Kochanek	Upper Arlington	HS Sophomore	HS Student	HS Student	Upper Arlington High
Peter Kociba	Mason	HS Sophomore	HS Student	HS Student	William Mason High
Lindsey Koplow	Willoughby Hills	Workshop	Workshop	Workshop	OSU
George Koutras	Columbus	Senior	Biology	Bio Sci	OSU
Elliot Kowalski	Put-In-Bay	HS Sophomore	HS Student	HS Student	Put-in-Bay High
Samuel Kozlowski	Columbus	HS Sophomore	HS Student	HS Student	Bishop Watterson High
Amy Kramer	Centerville	Wkshp-Senior	Evol & Ecol	Arts & Sci	OSU
Megan Kramer	Centerville	Junior	Bio & Engineering	Ag & Bio Eng	Univ of Illinois, IL
Lucas Lamka	Middletown	HS Junior	HS Student	HS Student	Bishop Fenwick High
Sadie Lanckenau	Napoleon	HS Senior	HS Student	HS Student	Napoleon High
Nicholas Liptak	Columbus	Senior	Mid Childhood Ed	Arts & Sci	OSU
Thomas Lloyd	Worthington	Grad Nondegree	Grad Nondegree	Graduate	OSU
Alexandra Lombard	Columbus	HS Senior	HS Student	HS Student	Columbus Alternative High
Emily Lundquist	Mansfield	Senior	LS Edu/Biology	Bio Sci	Ashland Univ
Dana Macke	Milford	Workshop	Workshop	Workshop	OSU
Gina MacVeigh	Cambridge ONT	Workshop	Workshop	Workshop	OSU
Lucas Madison	Toledo	Wkshp-Senior	Env Sci	Workshop	Univ of Toledo
Katie Maloney	Cranberry Twp PA	Freshman	Zoology	Arts & Sci	OSU
Matthew Manor	Cincinnati	Senior	Fisheries/Wldlf	Env & Nat Res	OSU
Djordje Marcic	Columbus	HS Junior	HS Student	HS Student	Centennial High
Luke Margaroli	Worthington	Freshman	Architecture	Architecture	OSU
Stephanie Martin	Galena	Post-Graduate	Cont Ed	Cont Ed	OSU
Marti Martz	Edinboro PA	Workshop	Workshop	Workshop	OSU
Chase Maxwell	Plain City	HS Sophomore	HS Student	HS Student	Jonathan Alder High
Eric McCluskey	Columbus	Ph.D.	EEOB	Graduate	OSU
Rebecca McGrail	Steubenville	Junior	Envr Chem	Not stated	Saint Vincent College, PA
Mason Metcalf	New Bloomington	HS Junior	HS Student	HS Student	Elgin High
Adam Miller	Pepper Pike	HS Junior	HS Student	HS Student	Gilmour Academy High
Kayla Miller	Delta	Senior	Education	Ed & Hmn Dev	Bowling Green State Univ
Carrie Millward	Rocky River	Workshop	Workshop	Workshop	OSU
Jacob Morris	Akron	HS Sophomore	HS Student	HS Student	Walsh Jesuit High
Brittany Mosgo	North Olmsted	Sophomore	Biology	Arts & Sci	OSU
Cheryl Mosgo	North Olmsted	Workshop	Workshop	Workshop	OSU
Anthony Mosinski	Parma	Wkshp-Senior	For, Fish & Wldlf	Env & Nat Res	OSU
Carly Moss	Chagrin Falls	Junior	Environmental Sci	Bio & Envr Sc	Capital Univ
Madeline Mutch	Bay Village	HS Junior	HS Student	HS Student	Bay High
Brian Mysonhimer	Mason	HS Senior	HS Student	HS Student	Bishop Fenwick High
Lindy Newman	New Albany	Junior	Sec Ed/Envr Sc	Education	Capital Univ
Erica Noll	Howard	Junior	Education	Education	Capital Univ
Kelsie O'Leary	Columbus	HS Sophomore	HS Student	HS Student	Centennial High
Brian O'Neill	Gahanna	HS Sophomore	HS Student	HS Student	St Charles Preparatory High
Sarah Orlando	Avon	Workshop	Workshop	Workshop	OSU
Sydney Palmer	Springfield	Sophomore	Exploration	Exploration	OSU
Erin Paquette	Riverside	HS Senior	HS Student	HS Student	Dayton Regional STEM Sch
Justine Patmon	Hilliard	Wkshp-Senior	Env Policy & Mgt	Env & Nat Res	OSU
Kateline Peck	Austinburg	HS Junior	HS Student	HS Student	Geneva Area High
Katelyn Penza	Powell	Wkshp-Soph	Undecided	Workshop	OSU
Mark Peter	Reynoldsburg	Ph.D.	Geological Sci	Graduate	OSU
Casey Pippert-Ladd	Put-in-Bay	HS Junior	HS Student	HS Student	Put-in-Bay High
Jonathan Pruitt	Pittsburgh PA	Workshop	Workshop	Workshop	OSU
Madeline Pugh	Put-in-Bay	HS Junior	HS Student	HS Student	Put-in-Bay High

Table 26 – 2013 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Susanna Raftery	Columbus	Grad Nondegree	Spec Ed	Graduate	OSU
Ryan Rehmer	Painesville	Grad Nondegree	Biology	Graduate	OSU
Andrew Reinhart	Milford	HS Sophomore	HS Student	HS Student	Moeller High
Jacqueline Reu	Beachwood	HS Junior	HS Student	HS Student	Beachwood High
Brianna Reynolds	Ontario	Sophomore	Zoology	Arts & Sci	OSU-Mansfield
James Reynolds	Newtown	Workshop	Workshop	Workshop	OSU
Joseph Ritzenthaler	Sandusky	Workshop	Workshop	Workshop	OSU
Blake Roberts	Hilliard	HS Junior	HS Student	HS Student	Hilliard Davidson High
Erin Rogers	Tipp City	HS Sophomore	HS Student	HS Student	Tipecanoe High
Devin Ryan	Cincinnati	HS Junior	HS Student	HS Student	Walnut Hills High
Chris Sallee	Belleuve	Workshop	Workshop	Workshop	OSU
Carrie Sanda	Foxboro WI	Workshop	Workshop	Workshop	OSU
George Saridakis	Brecksville	Junior	Biology	Arts & Sci	OSU
David Schafer	Monroeville	Workshop	Workshop	Workshop	OSU
Mitchell Schneider	Lakewood	HS Junior	HS Student	HS Student	Lakewood High
Kelsey Schultz	Uniontown	Senior	Biology	Arts & Sci	OSU
Emily Scott	Pataskala	Junior	Biology	Bio Sci	OSU
Shelby Seas	Pataskala	HS Sophomore	HS Student	HS Student	Watkins Memorial High
Dylan Sedmak	Columbus	Junior	Horticulture	Agriculture	OSU
Jason Seiple	Dublin	Senior	Mid Childhood Ed	Arts & Sci	OSU
Nicholas Shermis	Sylvania	HS Junior	HS Student	HS Student	Maumee Val Country Day High
Julie Shimer	Galloway	Senior	Science Ed	Education	Capital Univ
Megan Shortridge	Perrysburg	Workshop	Zoology	Workshop	OSU
Brandon Sinn	Columbus	Ph.D.	EEOB	Graduate	OSU
Joseph Skeens	Columbus	HS Sophomore	HS Student	HS Student	Grandview Heights High
Marisa Sloan	Canton	Junior	Mid Childhood Ed	Arts & Sci	OSU
Shelby Sloan	St. Paris	Junior	Zoology	Arts & Sci	OSU
Sarah Smiley	Cape Coral FL	Ph.D.	EEOB	Graduate	OSU
Austin Smith	Toledo	HS Junior	HS Student	HS Student	Maumee Val Country Day High
Mackenzie Sopko	Berea	Junior	Envr Sci	Env & Nat Res	OSU
Colleen Spahits	Blacklick	HS Sophomore	HS Student	HS Student	Bishop Hartley High
Heath Spence	Chardon	Workshop	Workshop	Workshop	OSU
Luke Steffen	Columbus	Wkshp-Soph	Theater/Science	Workshop	Ohio Wesleyan Univ
Daniel Stewart	Port Clinton	Wkshp-Senior	Marine Biology	Workshop	Bowling Green State Univ
Elaine Stingel	Dundee	Junior	Envr Sci/Zoology	Env & Nat Res	OSU-Wooster
Kristen Subler	Maria Stein	Freshman	Animal Sci	FAES	OSU
Christopher Sullivan	Columbus	Workshop	Workshop	Workshop	OSU
John Thomas	Worthington	Workshop	Workshop	Workshop	OSU
Ethan Tisch	Solon	HS Sophomore	HS Student	HS Student	Solon High
Nicholas Urge	Put-In-Bay	HS Junior	HS Student	HS Student	Put-in-Bay High
Ashley Valentino	Highland Heights	Senior	Mid Childhood Ed	Arts & Sci	OSU
Sarah Vanderhorst	Xenia	Senior	Wildl & Fisheries	Env & Nat Res	OSU
Joe Vanecek	Independence	Workshop	Workshop	Workshop	OSU
Emma Vogelmeier	Newark	HS Sophomore	HS Student	HS Student	Newark High
Alexander Von Clausburg	Blacklick	Junior	Biology	Arts & Sci	OSU
Douglas Wagner	Curtice	Workshop	Workshop	Workshop	OSU
Sarah Wagner	Ashland	Sophomore	Pre-Med	Not stated	Palm Beach Atlantic Univ, FL
Elizabeth Walker	Troy	HS Junior	HS Student	HS Student	Tipecanoe High
James Warner	Norwalk	Workshop	Workshop	Workshop	OSU
Christopher Weisner	Columbus	Post-Graduate	Education	Not stated	Ashland Univ-Cols
Stephanie Wentzel	Newark	HS Junior	HS Student	HS Student	Newark High
Connor West	Pickerington	Sophomore	Marine Science	Marine Science	Univ of South Carolina, SC

Table 26 – 2013 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Michael Whitacre	Hudson	HS Junior	HS Student	HS Student	Hudson High
Paige Wiechman	Port Clinton	Senior	Envr Studies	Envr & Bio Sci	Univ of Maine at Machias, ME
BreAnne Williams	Covington	Senior	Biology	Arts & Sci	OSU-Lima
Matthew Williams	Columbus	Master's	Hort & Crop Sci	Graduate	OSU
Grace Winhoven	Greenville	HS Junior	HS Student	HS Student	Lehman High
Joseph Winnicki	Medina	HS Junior	HS Student	HS Student	Cloverleaf High
Sarah Winnicki	Medina	Sophomore	Biology	Bio Sci	Denison Univ
David Wituszynski	Somersworth NH	Ph.D.	Food, Ag, Bio Engr	Graduate	OSU
Meghan Wolf	Rocky River	Sophomore	Environment	Lit, Sci, & Arts	Univ of Michigan, MI
Haley Yeomans	Lowell	HS Sophomore	HS Student	HS Student	Parkersburg Catholic High, WV
Jenna Yeomans	Lowell	Sophomore	Business	Business	OSU
Allison Zahorec	Lorain	HS Junior	HS Student	HS Student	Marion L Steele High
Kristine Zikmanis	Broadview Hts	HS Junior	HS Student	HS Student	North Royalton High

FAES=Food, Agriculture, and Environmental Sciences

TABLE 27

**Stone Laboratory Student Roster
2014**

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Brianna Adams	Marblehead	HS Sophomore	HS Student	HS Student	Danbury High
Destiny Allen	New Vienna	Senior	Env, Econ, Dvlpmnt	ENR	OSU
Roxanne Anderson	Columbus	Senior	Environmental Sci	ENR	OSU-Wooster
Lisa Appel	Farmington MI	Workshop	Environmental Mgt	Workshop	OSU
David Ardrey	Granville	Junior	Environmental Sci	ENR	OSU
Tiffany Atkinson	Columbus	Senior	Environmental Sci	ENR	OSU
Henry Bacha	Columbus	HS Junior	HS Student	HS Student	The Wellington School
Leah Bailey	Canton	HS Junior	HS Student	HS Student	Glen Oak High
Justin Baker	Uniontown	Workshop	Biology	Workshop	OSU
Rhonda Baker	Louisville KY	Workshop	Environmental Res	Workshop	OSU
Ashlee Balcerzak	Maumee	HS Senior	HS Student	HS Student	Maumee High
Dalton Bassak	Akron	HS Senior	HS Student	HS Student	Revere High
Margaret Behan	Westlake	HS Sophomore	HS Student	HS Student	Westlake High
Marc Behrendt	Somerset	Ph.D.	Science Ed	Education	Ohio Univ
Katherine Beigel	Sidney	Senior	Biology	Arts & Sci	OSU
Margaret Bernish	Cincinnati	HS Sophomore	HS Student	HS Student	Cincinnati Country Day High
James Best	Sandusky	Workshop	Workshop	Workshop	OSU
Brenton Bomback	Chagrin Falls	Wkshp-Coll Senior	For, Fish & Wldlf	Workshop	OSU
Alexandra Bond	Columbus	HS Sophomore	HS Student	HS Student	Upper Arlington High
William Bopp	Johnstown	Workshop	Workshop	Workshop	OSU
Alex Boyes	Euclid	Junior	Zoology	Arts & Sci	OSU
Frances Bozak	Avon	HS Senior	HS Student	HS Student	Avon High
Lalita Buenaventura	Beavercreek	HS Junior	HS Student	HS Student	Miami Valley High
Kimberly Burnham	Toledo	Workshop	Workshop	Workshop	OSU
Taylor Busdeker	Gibsonburg	HS Junior	HS Student	HS Student	Gibsonburg High
Alyssa Calland	Galloway	Junior	Biology	Arts & Sci	OSU
Megan Campbell	Cincinnati	HS Sophomore	HS Student	HS Student	Cincinnati Country Day High
Seneca Cardiff	Marietta	Freshman	Arts&Sci Undecide	Arts & Sci	OSU
Christopher Carlson	Granville	HS Sophomore	HS Student	HS Student	Granville High
James Cash	Delaware	Grad Nondegree	Environmental Ed	Graduate	OSU
Monica Ciszewski	Willoughby Hills	HS Junior	HS Student	HS Student	Willoughby South High
Taylor Clark	Mt Gilead	HS Junior	HS Student	HS Student	Mt Gilead High
Olivia Cleek	Pomeroy	Sophomore	Zoology	Arts & Sci	OSU
Robert Clendening	Mount Vernon	Workshop	Workshop	Workshop	OSU
Ryan Clifton	Bexley	Senior	Biology	Arts & Sci	OSU
John Crecelius	Delaware	Sophomore	Hlth Prof Expl	Exploration	OSU
Anna Creswell	Forest	Master's	Education	Workshop	Univ of Findlay
Andreas Culbertson	Dublin	Master's	Food, Ag & Bio Engr	Graduate	OSU
Brenda Culler	Huron	Workshop	Workshop	Workshop	OSU
Allison Dawson	Galena	Sophomore	Zoology	Workshop	Ohio Wesleyan Univ
Sheryl Depker	Grand Rapids MI	Workshop	Education	Workshop	OSU
Scott DesRosiers	Shelby Twnshp MI	Senior	Biology	Biology	Albion College, MI
David DeZeeuw	Put-in-Bay	Workshop	Workshop	Workshop	OSU
Tony Diggs	North Ridgeville	Ph.D.	Agricultural Ed	Graduate	OSU
Garrett Dildine	New Albany	HS Junior	HS Student	HS Student	New Albany High
Alison Dim	Solon	Senior	Mid Childhood Ed	Arts & Sci	OSU
Alexander Di Massa	Westlake	Senior	Biology/Chemistry	Biological Sci	Baldwin-Wallace Univ

Table 27 – 2014 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Rachel DiPietro	Batavia IL	Senior	Biology	Biology	North Central College, IL
Mark Duff	Amelia	Grad Nondegree	Education	Graduate	OSU
Michael Durkalec	Wakeman	Workshop	Workshop	Workshop	OSU
Veronica Easler	North Fairfield	HS Senior	HS Student	HS Student	St. Paul High
Christopher Eidson	Bucyrus	Master's	Environmental Sci	Graduate	OSU
Michael Elovitz	Cincinnati	Workshop	Environmental Engr	Workshop	OSU
Hanna Engle	Lorain	Senior	Earth Sci Ed	Education	Bowling Green State Univ
Ralph Enstad	Norwalk	Workshop	Workshop	Workshop	OSU
Christine Evans	Dayton	Post-Graduate	Cont Ed	Continuing Ed	OSU
Peter Evans	Dayton	Sophomore	Biology	Arts & Sci	Univ of Dayton
Haley Feck	Keller TX	Senior	Mid Childhood Ed	Arts & Sci	OSU
Susan Fillmore	Columbus	Post-Graduate	Cont Ed	Continuing Ed	OSU
Melanie Finucan	Westlake	Junior	Biology	Arts & Sci	Bowling Green State Univ
Nicole Fisher	Hartville	HS Senior	HS Student	HS Student	St. Thomas Aquinas High
Larry Flounders	Massillon	Workshop	Workshop	Workshop	OSU
Zachary Frederick	Milan	HS Senior	HS Student	HS Student	Edison High
Terrence Frosch	Curtice	Workshop	Env Water Polu	Workshop	OSU
Marie Gildow	State College PA	Ph.D.	Food, Ag & Bio Engr	Graduate	OSU
Anna Giordano	North Olmsted	Wkshp-Coll Senior	Sustainability	Arts & Sci	Baldwin-Wallace Univ
Kyleigh Godsey	Springfield	Freshman	Zoology	Arts & Sci	OSU
Hannah Gonzalez	Williamsburg	Workshop	Ecology	Workshop	OSU
Erin Gordon	Centerburg	Senior	Biology	Arts & Sci	OSU
Angela Greene	Medway	Workshop	Workshop	Workshop	OSU
Amanda Grimm	Ann Arbor MI	Workshop	Env & Nat Res	Env & Nat Res	OSU
Yanting Guo	Columbus	Graduate	Environmental Sci	Graduate	OSU
Samantha Handel	Hudson	Senior	Marine Biology	Biological Sci	Bowling Green State Univ
William Hanes	Plain City	HS Sophomore	HS Student	HS Student	Jonathan Alder High
Jane Harf	Granville	Workshop	Workshop	Workshop	OSU
Jeffry Hayes	New Albany	Senior	For, Fish, & Wldf	Env & Nat Res	OSU
Cristen Healy	Columbus	Post-Graduate	Cont Ed	Continuing Ed	OSU
Jessica Heestand	Pemberville	Senior	Marine Biology	Biology Dept	Bowling Green State Univ
Kevin Henry	Granville	HS Junior	HS Student	HS Student	Granville High
Tara Hill	Newark	Junior	Evol & Ecol	Arts & Sci	OSU
Jennifer Hillmer	Cleveland	Workshop	Workshop	Workshop	OSU
Taylor Hrabak	Medina	HS Junior	HS Student	HS Student	Highland High
Jane Hulse	Mendota Hts MN	HS Sophomore	HS Student	HS Student	Trinity School River Ridge, MN
Sophia Huss	Toledo	HS Sophomore	HS Student	HS Student	Toledo School for the Arts High
Melanie Iacoangeli	Columbus	Junior	Biology	Arts & Sci	OSU
Margaret Janko	Chagrin Falls	Junior	Biology	Biological Sci	Ursuline College
Grace Kallenberg	Cincinnati	Sophomore	Zoology	Arts & Sci	OSU
Kaitlyn Kaswinkel	New Philadelphia	Senior	Mid Childhood Ed	Arts & Sci	OSU
Jacqueline Kathary	Mt. Vernon	Workshop	Workshop	Workshop	OSU
Gwyn Kelleher	Westlake	HS Junior	HS Student	HS Student	Westlake High
Laura Kenyon	Wakefield RI	Ph.D.	EEOB	Graduate	OSU
Brin Kessinger	Xenia	Junior	Evol & Ecol	Arts & Sci	OSU
Kevin Kessler	Columbus	Sophomore	Evol & Ecol	Arts & Sci	OSU
Andrew King	Chagrin Falls	HS Sophomore	HS Student	HS Student	Gilmour Academy High
Karen Koehler	Orient	Master's	Ed T&L	Graduate	OSU
Andrew Kubit	North Ridgeville	HS Junior	HS Student	HS Student	St. Edward High
Aman Kumar	Mason	HS Senior	HS Student	HS Student	William Mason High
Ryan Lachance	Galion	Junior	Hlth Prof Expl	Exploration	OSU
Chris Ladd	Put-In-Bay	Workshop	Workshop	Workshop	OSU

Table 27 – 2014 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Jennifer Lanza	Parma	HS Sophomore	HS Student	HS Student	Normandy High
Phillip LaPlante	Oregon	Wkshp-Coll Junior	Aquatic Biology	Workshop	Bowling Green State Univ
Jasmine Larry	Columbus	Junior	Biology	Arts & Sci	OSU
Marissa Lauer	Mentor	Freshman	Environmental Sci	Env & Nat Res	OSU
Aaron Laver	Liberty Center	Wkshp-Coll Senior	Environmental Sci	Env & Nat Res	OSU
Erin Lawhon	Mount Vernon	HS Sophomore	HS Student	HS Student	Mount Vernon Academy High
Chance LeJeune	Wooster	HS Junior	HS Student	HS Student	Wooster High
Anastasia Levakis	Columbus	Senior	Biology/Education	Arts & Sci	OSU
Megan Levine	Dublin	Sophomore	Food, Ag & Bio Engr	Engineering	OSU
Isaac Ligocki	Columbus	Ph.D.	EEOB	Graduate	OSU
Barbara Lubberger	Columbus	Workshop	Geology	Workshop	OSU
Kayla Lucas	Marion	HS Junior	HS Student	HS Student	Marion Harding High
Lauren Marshall	Bowling Green	Junior	Mechanical Engr	College of Engr	Univ of Toledo
Emma Matcham	Columbus	Wkshp-Coll Junior	Forestry	Env & Nat Res	OSU
Michael Mathis	Maumee	Master's	Education	Coll of Ed	Univ of Toledo
Cassandra May	Dublin	Ph.D.	EEOB	Graduate	OSU
Ryan McCarthy	Columbus	Master's	EEOB	Graduate	OSU
Eric McCluskey	Columbus	Ph.D.	EEOB	Graduate	OSU
Rachel McLaughlin	Springfield	HS Junior	HS Student	HS Student	Shawnee High
Sebastian Mejia	Mason	Sophomore	Biology	Arts & Sci	OSU
Daniel Miller	Barberton	Workshop	Workshop	Workshop	OSU
Karina Morales	Cleveland	HS Sophomore	HS Student	HS Student	Facing History New Tech
Patricia Morris	Reynoldsburg	Master's	Chemical & Life Sci	Extended Stud	Univ of Maryland, MD
Parker Murphy	Bexley	HS Junior	HS Student	HS Student	Bexley High
Donald Myers	Portage MI	Workshop	Workshop	Workshop	OSU
Josephine Naji	Kirtland	Workshop	Workshop	Workshop	OSU
Margaret Nardy	Dublin	Senior	Mid Childhood Ed	Arts & Sci	OSU
Franklin Newsom	Charlotte	Junior	Geological Sci	Arts & Sci	OSU
Robert Niedermier	New Washington	Workshop	Workshop	Workshop	OSU
Barbara O'Malia	Fairview Park	Grad Nondegree	Grad Nondegree	Graduate	OSU
Brian O'Neill	Gahanna	HS Junior	HS Student	HS Student	St. Charles Preparatory High
Andrea Oprandi	Louisville	HS Sophomore	HS Student	HS Student	Louisville High
Karen Ortega	Middleburg Hts.	Junior	Env Sci & Sustain	Ag & Life Sci	Cornell Univ, NY
Jeffrey Owen	Jamestown NY	Workshop	Environmental Sci	Workshop	OSU
James Palus	Independence	Senior	Environmental Sci	Env & Nat Res	OSU
Norman Payne	Cincinnati	Workshop	Biology	Workshop	OSU
Michelle Pennington	Thorntville	Workshop	Workshop	Workshop	OSU
Katelyn Penza	Powell	Wkshp-Coll Junior	Env Sci	Workshop	OSU
Doyt Perry	Pickerington	Senior	Zoology	Arts & Sci	OSU
Mark Peter	Reynoldsburg	Ph.D.	Geological Sci	Graduate	OSU
Daniel Pinto	Brecksville	Junior	Evol & Ecol	Arts & Sci	OSU
Reid Powers	Cincinnati	Sophomore	Environmental Sci	Env & Nat Res	OSU
Julia Proctor	Loveland	HS Junior	HS Student	HS Student	Ursuline Academy High
Renee Randolph	Perrysburg	HS Sophomore	HS Student	HS Student	Toledo School for the Arts High
Robin Richardson-Coy	Springfield	Workshop	Biology	Workshop	Wright State Univ
Joseph Ritzenthaler	Sandusky	Workshop	Environmental Sci	Workshop	OSU
Kaitlyn Robis	Columbus	Junior	Zoology	Arts & Sci	OSU
Kiara Rolland	Canton	HS Sophomore	HS Student	HS Student	McKinley High
Rebecca Rollo	Westerville	Post-Graduate	CED	Continuing Ed	Otterbein College
Ieva Roznere	Upper Arlington	Ph.D.	EEOB	Graduate	OSU
Orlando Ruiz	Blacklick	Senior	Undgrd Nondegree	Continuing Ed	OSU
Kaylina Ruth	Columbus	Wkshp-Coll Junior	For Fish & Wldf	Workshop	OSU

Table 27 – 2014 cont'd

<i>Name</i>	<i>Permanent City/State</i>	<i>Rank</i>	<i>Major</i>	<i>College</i>	<i>Institution</i>
Chris Sallee	Bellevue	Workshop	Workshop	Workshop	OSU
David Schafer	Monroeville	Workshop	Workshop	Workshop	OSU
Allyson Schmitt	North Ridgeville	HS Senior	HS Student	HS Student	North Ridgeville High
Abby Schoonyan	Bellville	Senior	Fish & Wldlf Mgt	Biological Sci	Lake Superior State Univ, MI
Shelby Seas	Pataskala	HS Junior	HS Student	HS Student	Watkins Memorial High
Michael See	Columbus	Post-Graduate	Environmental Sci	Continuing Ed	OSU
Aditi Sengupta	Wooster	Ph.D.	Env & Nat Res	Graduate	OSU
Louis Shade	Columbus	HS Junior	HS Student	HS Student	Upper Arlington High
Tal Shutkin	Shaker Hts	HS Junior	HS Student	HS Student	Shaker Heights High
Victoria Simons	Powell	Junior	Microbiology	Arts & Sci	OSU
Brandon Sinn	Upper Arlington	Ph.D.	EEOB	Graduate	OSU
Linda Slattery	Upper Arlington	Workshop	Hydrogeology	Workshop	OSU
Joseph Smith	Columbus	HS Junior	HS Student	HS Student	Bishop Ready High
Laura Smith	Beavercreek	Senior	Evol & Ecol	Arts & Sci	OSU
Matthew Smith	Orrville	Workshop	Workshop	Workshop	OSU
Heath Spence	Chardon	Workshop	Biology	Workshop	OSU
Catherine Spittell	Columbus	HS Sophomore	HS Student	HS Student	St. Francis De Sales High
Frank Staigl	Greenville	Workshop	Electrical Engr	Workshop	OSU
Georgia Steece	Columbus	HS Junior	HS Student	HS Student	Upper Arlington High
Kathryn Stierwalt	Fremont	Sophomore	Environmental Sci	Env & Nat Res	OSU
Nicole Tabit	Dublin	HS Junior	HS Student	HS Student	Dublin Coffman High
Samuel Thompson	Springfield	Sophomore	Env Studies		Gettysburg College, PA
Laiif Thorbahn	Woodville	HS Sophomore	HS Student	HS Student	Woodmore High
Exer Thurston	Worthington	HS Junior	HS Student	HS Student	Linworth Program
Celia Tincher	Columbus	Post-Graduate	Elementary Ed	Continuing Ed	OSU
Madeline Tomczak	Bay Village	HS Senior	HS Student	HS Student	Bay High
Kendra Tope	Lancaster	HS Senior	HS Student	HS Student	Bloom-Carroll High
Tessa Townsend	Celina	Senior	Zoology	Arts & Sci	OSU
Dena Troyer	Continental	Workshop	Workshop	Workshop	OSU
Ruth Turner	Lexington IN	Workshop	Workshop	Workshop	OSU
Eric Van Deusen	Columbus	Junior	Env, Econ, Dev, Sus	FAES	OSU
Michelle Vandemark	Elida	Master's	Graduate	Graduate	OSU
Jeffrey Vogt	Cincinnati	Workshop	Workshop	Workshop	OSU
Maninder Walia	Wooster	Ph.D.	Env & Nat Res	Graduate	OSU
Ellen Warfield	Delta	Sophomore	Biology	Arts & Sci	OSU
James Warner	Norwalk	Workshop	Workshop	Workshop	OSU
Anna Wassel	Loveland	HS Junior	HS Student	HS Student	Loveland High
Jacob Wells	Grafton	HS Sophomore	HS Student	HS Student	Midview High
Scott Westphal	Sylvania	Senior	Zoology	Arts & Sci	OSU
Ronald Wetzel	Lindsey	Workshop	Workshop	Workshop	OSU
Henrieta White	Hebron	Junior	Hlth Prof Expl	Exploration	OSU
Katherine White	Lewis Center	Senior	Zoology	Arts & Sci	OSU
Steven White	Galion	Workshop	Workshop	Workshop	OSU
Haley Yeomans	Lowell	HS Junior	HS Student	HS Student	Parkersburg Catholic High, WV
Paul Yosick	Grove City	Junior	Biology	Arts & Sci	OSU
Caleb Yount	Canal Winchester	HS Sophomore	HS Student	HS Student	Fairfield Christian Academy
Khaura Zafar	Hilliard	Junior	Zoology	Arts & Sci	OSU
Yiming Zhao	Columbus	Master's	Environmental Sci	Graduate	OSU
Franklin Zomer	Sault Ste Marie MI	Workshop	Workshop	Workshop	OSU
Sarah Zundel	Naples FL	Senior	Biology	Biological Sci	Univ of Montana, MT

FAES=Food, Agriculture, and Environmental Sciences

TABLE 28

**Stone Laboratory Field Trips, Conferences, and Tours
2006**

	Date	Group Name/City/Leader	No.	Description
1.	4/19	2006 Ichthyology instructor Dr. Erin Quinlin	2	Tour
2.	4/21- 23	Mount Scholars Leadership Group	56	Conference
3.	4/25	Dr. Patrick Owen	3	Tour
4.	4/26	South Amherst Middle School/South Amherst Chuck Latto	19	Field Trip
5.	4/26	Lorain Co. Joint Vocational School/Lorain Susan Wallace	17	Field Trip
6.	4/26- 28	Kelleys Island School/Kelleys Is. E. Labourne	8	Field Trip
7.	4/27- 28	East Toledo Junior High/Toledo Melody Ontko	56	Field Trip
8.	4/28- 30	Friends of Stone Lab Board/Columbus	24	Conference
9.	5/1	All Saints Catholic School/Rossford Carol Gutierrez	56	Field Trip
10.	5/1-2	St. Ann/Sandusky Christine Jennison	24	Field Trip
11.	5/2	Wynford High School/Bucyrus Glen Smith	31	Field Trip
12.	5/2-3	Woodside Middle School/Ft. Wayne, IN Peter Bray	52	Field Trip
13.	5/3	Bellevue School/Bellevue Janai Scott	28	Field Trip
14.	5/4	Sewickley Academy/Sewickley, PA Emily Moschitta	63	Field Trip

Table 28 – 2006

	Date	Group Name/City/Leader	No.	Description
15.	5/5	Sandusky Central Catholic School/Sanduky Jean Brattain	63	Field Trip
16.	5/8	Wooster Christian School/Wooster Nowak Tour & Travel-Tammy Nowak	24	Tour
17.	5/8	Meadowlawn School I/Sandusky Chris Lowe	27	Field Trip
18.	5/9	Meadowlawn School II/Sandusky	54	Field Trip
19.	5/9	Elderhostel I Susie Cooper	31	Field Trip
20.	5/10	Oregon City GT/Oregon City Robin Sneed	48	Field Trip
21.	5/10	Meadowlawn School III/Sandusky Chris Lowe	25	Field Trip
22.	5/11	Meadowlawn School IV/Sandusky Chris Lowe	33	Field Trip
23.	5/12	Fairport Harbor Historical Society Lighthouse Tour	6	Tour
24.	5/12	Harmon Middle School/Huron Mike Gerome	230	Field Trip
25.	5/12- 14	OSU Limnology Class/Columbus Dr. David Culver	17	Field Trip
26.	5/15	Chaminade Julianne High School/Dayton Kathy Jennings	7	Field Trip
27.	5/15- 16	Perry-McCord Middle School/Worthington Marty McTigue	65	Field Trip
28.	5/16	Elderhostel II/Put-in-Bay Susie Cooper	16	Field Trip
29.	5/16- 17	Ruffing Montessori/Cleveland Heights Francine Barnett	46	Field Trip`

Table 28 – 2006

	Date	Group Name/City/Leader	No.	Description
30.	5/17	Clay High School/Oregon Sonja Momsen	13	Field Trip
31.	5/17-18	West Carrollton School/West Carrollton Susan Baker	25	Field Trip
32.	5/18-19	Miamisburg Elementary School/Miamisburg Michele Morrison	51	Field Trip
33.	5/19	Northwood Junior High School/Elyria Nowak Tours and Travel-Tammy Nowak	40	Tour
34.	5/20	OSU Oceanography Class/Columbus Dr. Larry Krissek	14	Field Trip
35.	5/22-23	Cloverleaf High School/Lodi Garth Gucker	26	Field Trip
36.	5/22-23	St. Mary's School/Wooster Karen Germ	15	Field Trip
37.	5/23	Whitefield Middle School/Ottawa Lake, MI Sue Bixler	105	Field Trip
38.	5/24-25	Horizons Program-Devilbis School/Toledo Jane Yates	62	Field Trip
39.	5/25-26	Erwine Middle School/Akron Jim Trogdon	55	Field Trip
40.	5/26	Immaculate Conception School/Bellevue Darlene DeBlase	39	Field Trip
41.	5/30-6/1	Buckeye Valley Middle School/Delaware Amos Price	55	Field Trip
42.	6/1	Kenwood Elementary School/Bowling Green Kent McClary	81	Field Trip
43.	6/2	American Waterworks Association/Marion Mike Herdlick	13	Field Trip
44.	6/2-4	Great Lakes Fisheries Institute/Columbus	20	Field Trip

Table 28 – 2006

	Date	Group Name/City/Leader	No.	Description
45.	6/2-4	Thomas More College/Crestview, KY Chris Lorenz	7	Field Trip
46.	6/3	Sandusky Yacht Club/Sandusky John Hall	73	Tour
47.	6/14	Paul Stromberg	4	Tour
48.	6/14	Visitors to Lighthouse, Wednesday Tour	16	Tour
49.	6/14	Visitors to Gibraltar Island, Wednesday tour	12	Tour
50.	6/15	Visitors to see Guest Lecturer, Travis Hartman "Lake Erie Fisheries"	50	Tour
51.	6/18	Linda Asebrook	4	Tour
52.	6/19	Charles King Family (Cooke relative)	4	Tour
53.	6/20	Natural Resources Conservation Service Steve Davis/Mike Johnson	2	Tour
54.	6/21	Visitors to Gibraltar Island, Wednesday Tour	5	Tour
55.	6/22	"Black Swamp Extravaganza" Black Swamp Bird Observatory – Carol Benner	41	Tour
56.	6/22	Visitors to see Guest Lecturer, Jill Clark/Jeff Reutter "Lake Erie pop'n"	2	Tour
57.	6/27	Middle Bass Nature Camp/Middle Bass Island Lisa Brohl	30	Field Trip
58.	6/28	Visitors to Lighthouse, Wednesday Tour	12	Tout
59.	6/28	BGSU Governor's Summer Institute/Bowling Green Matt Partins	30	Field Trip

Table 28 – 2006

	Date	Group Name/City/Leader	No.	Description
60.	6/29	Ottawa National Wildlife Refuge	17	Field Trip
61.	6/29	Kelleys Island Sea Camp/Kelley Island Bob Horton	17	Field Trip
62.	6/29	Visitors to see Guest Lecturer, Dr. Harvey Shears “Great Lakes Water Quality Agreement”	10	Tour
63.	6/30	OSU Extension West District Office/Findley Cheryl Engle	5	Field Trip
64.	7/5	Visitors to Lighthouse, Wednesday Tour	23	Tour
65.	7/5	Visitors to Gibraltar Island, Wednesday Tour	4	Tour
66.	7/6	Visitors to see Guest Lecturer, Joe DePinto “Great Lakes Modeling”	6	Tour
67.	7/10	Comis Family	15	Tour
68.	7/11	BGSU Governor’s Summer Institute/Bowling Green Matt Partins	35	Field Trip
69.	7/12	Visitors to Lighthouse, Wednesday Tour	14	Tour
70.	7/12	Visitors to Gibraltar Island, Wednesday Tour	9	Tour
71.	7/13	Lake Erie Nature and Science Center	15	Field Trip
72.	7/13	Visitors to see Guest Lecturer, Russ Kreis “Impacts of the Detroit River”	7	Tour
73.	7/14	Ohio Legislators and Invited Guests/Columbus Dr. Jeff Reutter	150	Tour
74.	7/18	OSU Center at Wooster/Wooster	12	Tour

Table 28 – 2006

	Date	Group Name/City/Leader	No.	Description
75.	7/19	Visitors to Lighthouse, Wednesday Tour	27	Tour
76.	7/19	Visitors to Gibraltar Island, Wednesday Tour	20	Tour
77.	7/21	OSU Extension Foresters	18	Conference
78.	7/23- 24	Natural Resources Conservation Service Interns Chris Coulon	8	Field Trip
79.	7/25	Environmental Adventure Camp at the Bay/Put-in-Bay Lisa Brohl	30	Field Trip
80.	7/26	Visitors to Lighthouse, Wednesday Tour	32	Tour
81.	7/26	Visitors to Gibraltar Island, Wednesday Tour	14	Tour
82.	7/27	TMACOG Environmental Council Curt Erickson	45	Conference
83.	7/27	Visitors to see Guest Lecturer, Joan Herbers "Ant Behavior"	3	Tour
84.	7/29	Lake Erie Nature and Science Center	14	Field Trip
85.	7/29	Interlakes Yachting Association/Put-in-Bay	200	Tour
86.	8/1	FAES Gov. Relations Gwen Wolford	5	Tour
87.	8/2	Visitors to Lighthouse, Wednesday Tour	21	Tour
88.	8/2	Visitors to Gibraltar Island, Wednesday Tour	8	Tour
89.	8/3	Visitors to see Guest Lecturer, Laura Rush "Cancer Research"	4	Tour

Table 28 – 2006

	Date	Group Name/City/Leader	No.	Description
90.	8/9	Visitors to Lighthouse, Wednesday Tour	36	Tour
91.	8/9	Visitors to Gibraltar Island, Wednesday Tour	22	Tour
92.	8/9	Islander Program	19	Tour
93.	8/10	Visitors to see Guest Lecturer, John Gannon "Great Lakes Water Quality "	9	Tour
94.	8/12	North Harbor Yacht Club Christine Crawford	42	Tour
95.	8/16	Visitors to Lighthouse, Wednesday Tour	64	Tour
96.	8/16	Visitors to Gibraltar Island, Wednesday Tour	21	Tour
97.	8/18	Ohio EPA, NEDO-Solid Waste Division Kurt Princic	28	Field Trip
98.	8/22	OSU Retirees Association/Columbus Katy Rasor	24	Field Trip
99.	8/22	Wayne and Nate Davis	3	Tour
100.	8/23	Vacationland Marine Trades Lynn Lake, Brands Marina	49	Tour
101.	8/23- 25	OSU Residence Life/Columbus	60	Conference
102.	8/25	U.S. Lighthouse Society	42	Tour
103.	8/25	Ohio Chapter, American Fisheries Society	19	Conference
104.	8/28- 29	OSU ATI Office Staff/Wooster Pat Munn	17	Conference

Table 28 – 2006

	Date	Group Name/City/Leader	No.	Description
105.	8/29-31	Lakes of the World Scientists	20	Conference
106.	8/30-31	The Phillips-Osborne School/Painesville Bob Ahrens	12	Field Trip
107.	9/5-6	Hilliard Station School I/Hilliard Tim Wilson	40	Field Trip
108.	9/6-7	Hilliard Station School II/Hilliard Tim Wilson	39	Field Trip
109.	9/7	Ottawa and Wood Counties SWCD Staff/Oak Harbor Carol Benner	9	Field Trip
110.	9/7-8	Hilliard Station School III/Hilliard Tim Wilson	39	Field Trip
111.	9/8	Jefferson Elementary School/Port Clinton Jim Bergeman	53	Field Trip
112.	9/8-10	Friends of Stone Lab Board	20	Conference
113.	9/9	Stone Lab Open House – Gibraltar Island	1100	Tour
114.	9/10	Friends of Stone Lab Membership	40	Conference
115.	9/12-13	Monroeville Elementary School/Monroeville David Zitner	47	Field Trip
116.	9/13	Bataan Elementary School/Port Clinton Marty Willis	43	Field Trip
117.	9/15	St. Mary's of the Falls/Olmstead Falls Loretta Grentzer	28	Field Trip
118.	9/18	West Holmes High School/Millersburg Doug Mohr	17	Field Trip
119.	9/18-19	Gahanna Christian Academy/Gahanna Trisha Knost	32	Field Trip

Table 28 – 2006

	Date	Group Name/City/Leader	No.	Description
120.	9/19	Elderhostel Susie Cooper	23	Field Trip
121.	9/20	Portage Elementary School/Gypsum,OH Steyer/Diehls	46	Field Trip
122.	9/21- 22	Bellefontaine High School/Bellefontaine Dennis Versete	9	Field Trip
123.	9/22	Lorain Co. Joint Vocational School/Oberlin Susan Wallace	20	Field Trip
124.	9/27- 29	Columbus School for Girls/Columbus Ann Marie McDonnell	57	Field Trip
125.	9/29	Lakota Junior High School/Amsden Tom Rymers	35	Field Trip
126.	9/30	Buckeye Island Hop-Community Service Project Friends of Stone Lab Work Weekend Karen Jennings	55	Conference
127.	10/1	OSU Alumni and Guests	28	Tour
128.	10/2	Put-in-Bay School/Put-in-Bay Paul Genzman	25	Field Trip
129.	10/3	Gibsonburg Junior High School/Gibsonburg Heather Whitner	99	Field Trip
130.	10/4	Clyde-Green Springs School/Green Springs MaryAnn Voggenthaler	16	Field Trip
131.	10/5-6	Dempsey Middle School/Delaware Deb Bogard	38	Field Trip
132.	10/6-7	Granville Intermediate School/Granville J. Giovannelli	21	Field Trip
133.	10/9- 10	Columbus Metro School I/Columbus Andrew Bruining	60	Field Trip
134.	10/10- 11	Columbus Metro Schools II/Columbus Andrew Bruining	58	Field Trip

Table 28 – 2006

	Date	Group Name/City/Leader	No.	Description
135.	10/11-12	Rocky River Middle School/Rocky River David Opdycke	56	Field Trip
136.	10/16-17	Brecksville High School/Broadview Heights Bob Berg	20	Field Trip
137.	10/17	NERRA, Old Woman's Creek	200	Tour
138.	10/17-18	Hilliard Tharp School I/Hilliard Jan Snyder	45	Field Trip
139.	10/18-19	Hilliard Tharp School II/Hilliard Jan Snyder	47	Field Trip
140.	10/19-20	Robinson Junior High School/Toledo Diane McClellan	15	Field Trip
		Field Trips, Conferences, and Tours	5,792	TOTAL

TABLE 29

**Stone Laboratory Field Trips, Conferences and Tours
2007**

	Date	Group Name/City/Leader	No.	Description
1.	4/20-22	Friends of Stone Lab Chris Winslow	24	Conference
2.	4/23	Newark Catholic High School/Newark Amy Vohsing	25	Field Trip
3.	4/23-24	St. Ann's/Fremont Christine Jennison	15	Field Trip
4.	4/23-24	Cleveland Heights High School/Cleveland Heights Jim Miller	11	Field Trip
5.	4/25	Oregon City Schools/Oregon Robin Sneed	30	Field Trip
6.	4/26	Toledo Maritime Academy/Toledo, OH Margret McCreedy	27	Field Trip
7.	4/27-28	Ohio University/Athens Patrick Hassett	8	Field Trip
8.	4/27-29	Ashland College/Ashland Doug Kane	7	Field Trip
9.	4/30	All Saints Catholic School/Rossford Carol Guitierrez	29	Field Trip
10.	4/30-5/1	Lima Senior High/Lima Justin Richardson	33	Field Trip
11.	5/1-4	Bloom-Carroll High School/Carroll Diane Gabriel	20	Field Trip
12.	5/1-4	Fairfield Union High School/Lancaster David Thrush	20	Field Trip
13.	5/1-4	Berne Union High School/Sugar Grove Kris Thrush	20	Field Trip
14.	5/3	Sewickley Academy/Sewickley, PA Susan Houghtaling	73	Field Trip

Table 29 – 2007

	Date	Group Name/City/Leader	No.	Description
15.	5/4	Kenwood Elementary School/Bowling Green Kent McClary	59	Field Trip
16.	5/7	Meadowlawn I/Sandusky Chris Lowe	48	Field Trip
17.	5/8	Meadowlawn II/Sandusky. OH Chris Lowe	48	Field Trip
18.	5/8	Elderhostel II Susie Cooper	30	Field Trip
19.	5/9	Meadowlawn III/Sandusky Chris Lowe	34	Field Trip
20.	5/9-10	Woodsie Middle School/Fort Wayne, IN Peter Bray	39	Field Trip
21.	5/10-11	Jackson Middle School/Grove City David Crosby	58	Field Trip
22.	5/11-12	Jackson Township/Massillon Officer Cindea	63	Field Trip
23.	5/14	Elderhostel III Susie Cooper	24	Tour
24.	5/14	McCormick School I/Huron Leah LaCrosse	43	Field Trip
25.	5/15	McCormick School II/Huron Leah LaCrosse	43	Field Trip
26.	5/15	Elderhostel III Susie Cooper	21	Field Trip
27.	5/16	McCormick School III/Huron Leah LaCrosse	43	Field Trip
28.	5/16-17	Clintonville Academy/Columbus Michael Hoffer	40	Field Trip
29.	5/17-18	Perry and McCord Middle Schools/Worthington Marty McTigue	54	Field Trip

Table 29 – 2007

	Date	Group Name/City/Leader	No.	Description
30.	5/18	Harmon Middle School/Aurora Mike Gerome	240	Field Trip
31.	5/18- 20	OSU Limnology Class/Columbus David Culver	13	Field Trip
32.	5/19	Sandusky Power Squadron/Sandusky Janet Buck	14	Tour
33.	5/19- 20	OSU ENR/Columbus Jim Bennett	17	Field Trip
34.	5/21	Lake High School/Millbury Jessie Kubuske	16	Field Trip
35.	5/21- 22	Cloverleaf High School/Lodi Garth Gucker	34	Field Trip
36.	5/21- 22	St. Mary's School/Wooster Margie Jones	9	Field Trip
37.	5/22	Springfield South High School/Springfield Michael Willets	8	Field Trip
38.	5/22	Celeryville Christian School/Willard Sheri Null	9	Field Trip
39.	5/22- 23	Miamisburg Elementary/Miamisburg Michele Morrison	60	Field Trip
40.	5/22- 23	West Carrollton City School/West Carrollton Susan Baker	19	Field Trip
41.	5/23- 24	Toledo Public Schools/Toledo Jane Yates	62	Field Trip
42.	5/24	Channel 3 News	3	Tour

Table 29 – 2007

	Date	Group Name/City/Leader	No.	Description
43.	5/24-25	Erwine Middle School/Akron Jim Trogdon	50	Field Trip
44.	5/25	Northwood Jr. High School/Elyria Nowak Tours/Tammy Nowak	90	Tour
45.	5/28-31	OSU Student Affairs WHEAT Retreat/Columbus Ron Kochendoefer	7	Conference
46.	5/29	Wynford High School/Bucyrus Glen Smith	45	Field Trip
47.	5/29-31	Buckeye Valley Middle School/Delaware Amos Price	54	Field Trip
48.	5/31	Whiteford Middle School/Ottawa Lake, MI Susan Bixler	84	Field Trip
49.	5/31-6/1	Westside Montessori/Toledo Dawn Fenicle	18	Field Trip
50.	6/1	Elgin West Elementary/La Rue Kristin Dyer	17	Field Trip
51.	6/3	Sandusky Yacht Club/Sandusky Debbie Shephard	80	Tour
52.	6/4	York Elementary/Medina Jill Morton	32	Field Trip
53.	6/6	South Suburban Elementary/Brecksville Siri Holm	18	Field Trip
54.	6/6	Bowling Green High School Teachers/Bowling Green Josh Iler	8	Tour
55.	6/7	Cuyahoga Co. Board of Health/Cleveland Jill Lis	25	Field Trip
56.	6/9	Snake Field Trip Kristin Stanford	508	Field Trip
57.	6/11-13	OSU Student Affairs/Columbus	10	Conference

Table 29 – 2007

	Date	Group Name/City/Leader	No.	Description
58.	6/13	MN Legislator Office/St. Paul. MN Kathy Schill	4	Tour
59.	6/14	Visitors for Dr. Herdendorf Guest Lecture	4	Tour
60.	6/14	Perry's Monument Staff/Put-in-Bay Sue Judis	16	Tour
61.	6/15	Coastal Ohio Board/Port Clinton Melinda Huntley	6	Conference
62.	6/16- 17	Dr. and Mrs. Richard Bradley	2	Tour
63.	6/18	Lab Animal Protocol Inspection	5	Tour
64.	6/19	Put-in-Bay Nature Camp Lisa Brohl	22	Field Trip
65.	6/20	Gibraltar Island Science and History Tour	18	Tour
66.	6/20	Lake Erie Firelands Tourist Council Laurie Schultz	18	Tour
67.	6/21	Visitors for Dr. Gehrt Guest Lecture	13	Tour
68.	6/22- 24	Kayak Conference Mark Pecot	13	Conference
69.	6/23	Lighthouse Tour	34	Tour
70	6/24	Ichthyoplankton ID Field Trip John Hageman	7	Field Trip
71.	6/24- 30	Lighthouse Tours (Total of 6 tours; everyday except Tuesday)	208	Tour
72.	6/27	Lakewood High School/Lakewood Alice Stone	23	Field Trip

Table 29 – 2007

	Date	Group Name/City/Leader	No.	Description
73.	6/27	Sandusky Register Jacob Lammers	1	Tour
74.	6/27	Port Clinton News Herald Kristina Smith	1	Tour
75.	6/27	Univ. of Buffalo Upward Bound/Bufalo, NY Judy Mandell	33	Tour
76.	6/27	OSU Upward Bound/Wooster Sandy Huffman	42	Tour
77.	6/28	Maumee Valley Girl Scouts/Ottawa Nat'l Wildlife Refuge Rebecca Hinkle	24	Tour
78.	6/28	Visitors to Chris Korleski Guest Lecture	13	Tour
79.	7/1-7	Lighthouse Tours (Total of 6 tours; everyday except Tuesday)	238	Tour
80.	7/4	Gibraltar Island Science and History Tour	21	Tour
81.	7/5	Coastal Resources Advisory Council Frank Lichtkoppler	5	Conference
82.	7/5	Visitors for Dr. Krissek's Guest Lecture	50	Tour
83.	7/8-14	Lighthouse Tours (Total of 6 tours; everyday except Tuesday)	171	Tour
84.	7/10	OSU Communications Film Crew	8	Tour
85.	7/11	Gibraltar Island Science and History Tour	24	Tour
86.	7/12	Visitors for Dr. Richards Guest Lecture	7	Tour
87.	7/15-21	Lighthouse Tours (Total of 6 tours; everyday except Tuesday)	150	Tour

Table 29 – 2007

	Date	Group Name/City/Leader	No.	Description
88.	7/16	South Bass Environmental Adventure Camp I Lisa Brohl	20	Field Trip
89.	7/17	Elyria High School Gear-up Program/Elyria Tamika Bonnill-Newsome	26	Field Trip
90.	7/18	Gibraltar Island Science and History Tour	50	Tour
91.	7/19	BGSU Governors Summer Institute I Matt Partin	27	Field Trip
92.	7/22- 28	Lighthouse Tours (Total of 6 tours; everyday except Tuesday)	145	Tour
93.	7/23	South Bass Environmental Adventure Camp II Lisa Brohl	14	Field Trip
94.	7/24	Kelleys Is. 4-H Sea Camp Bob Horton	15	Field Trip
95.	7/25	TRECCA Bob Casey	6	Conference
96.	7/25	Gibraltar Island Science and History Tour	48	Tour
97.	7/26	WOSU Tour	8	Tour
98.	7/26	BGSU Governors Summer Institute II Matt Partin	20	Field Trip
99.	7/26	Visitors for Sean Logan Guest Lecture	5	Tour
100.	7/29- 8/4	Lighthouse Tours (Total of 6 tours; everyday except Tuesday)	121	Tour
101.	8/1	State Legislators/Staff/Guests	150	Tour
102.	8/1	Gibraltar Island Science and History Tour	48	Tour

Table 29 – 2007

	Date	Group Name/City/Leader	No.	Description
103.	8/2	Visitors for Travis Hartman Guest Lecture	4	Tour
104.	8/5-11	Lighthouse Tours (Total of 6 tours; everyday except Tuesday)	48	Tour
105.	8/8	OSU Engineers	5	Tour
106.	8/8	Gibraltar Island Science and History Tour	33	Tour
107.	8/9	Visitors for Dr. Moser Guest Lecture	4	Tour
108.	8/12-18	Lighthouse Tours (Total of 6 tours; everyday except Tuesday)	121	Tour
109.	8/13	Heinz Center Staff/Washington, D.C. Anne Hummer	12	Tour
110.	8/16	Stone Lab Donors	20	Conference
111.	8/20-21	OSU Ohio Union Staff Jennifer Pelletier	20	Conference
112.	8/22-24	OSU Residence Life Staff Ron Kochendoefer	56	Conference
113.	8/24	Ottawa Co. Commercial Investment Council/Oak Harbor Jamie Beier-Grant	20	Tour
114.	8/30	Lake Erie Phosphorus Researchers Jeff Reutter	30	Conference
115.	9/4-5	Hilliard Station I/Hilliard Tim Wilson	41	Field Trip
116.	9/5-6	Hilliard Station II/Hilliard Tim Wilson	41	Field Trip

Table 29 – 2007

	Date	Group Name/City/Leader	No.	Description
117.	9/6-7	Hilliard Station III/Hilliard Tim Wilson	41	Field Trip
118.	9/7	Lorain Co. JVS/Oberlin Susan Wallace	20	Field Trip
119.	9/7-9	Friends of Stone Lab Chris Winslow	32	Conference
120.	9/8	Stone Lab and SBI Lighthouse Open House Jeff Reutter	1119	Tour
121.	9/17-18	Heinz Center for Sustainability Stacia VanDyne	47	Conference
122.	9/18	OSU Stores/Receiving Staff Scott Braidic	31	Tour
123.	9/18	Elderhostel Susie Cooper	31	Field Trip
124.	9/19-20	Jonathon Alder High School/Plain City Ann Holben	40	Field Trip
125.	9/20	St. Marys of the Falls/Olmsted Falls Loretta Grentzer	28	Field Trip
126.	9/20-21	Dempsey Middle School/Delaware, OH Deb Bogard	31	Field Trip
127.	9/21	Lakota Junior High School/Amsden Tom Rymers	34	Field Trip
128.	9/23-24	West Holmes High School/Millersburg Doug Mohr	17	Field Trip
129.	9/24-25	Brecksville High School/Brecksville Robert Berg	28	Field Trip
130.	9/25-26	Gahanna Christian High School/Gahanna Trisha Knost	29	Field Trip
131.	9/26-28	Columbus School for Girls/Columbus AnnMarie McDonnell	64	Field Trip

Table 29 – 2007

	Date	Group Name/City/Leader	No.	Description
132.	9/29-30	Buckeye Island Hop Karen Jennings	21	Conference
133.	10/1-2	Elgin West Elementary School/LaRue Kristin Dyer	37	Field Trip
134.	10/2	Meadowlawn I/Sandusky Tina Swanbeck	56	Field Trip
135.	10/4	Meadowlawn II/Sandusky Tina Swanbeck	54	Field Trip
136.	10/4-5	Put-in-Bay School/Put-in-Bay, OH Karen Wilhelm	7	Field Trip
137.	10/4-5	Bellfontaine High School/Bellfontaine Dennis Versele	5	Field Trip
138.	10/5-6	Granville Intermediate/Granville Jeanna Giovannelli	21	Field Trip
139.	10/5-6	Mt. Union College/Alliance Lin Wu	6	Field Trip
140.	10/6-7	Fisheries Techniques Field Trip Eugene Braig	13	Field Trip
141.	10/12	Immaculate Conception/Port Clinton Jane Drusbacky	27	Field Trip
142.	10/12-14	Ohio University Limnology Class/Athens Warren Currie	15	Field Trip
143.	10/12-14	OSU Plankton Class/Columbus David Culver	17	Field Trip
144.	10/16-17	Upper Arlington High School/Upper Arlington Jane Hunt	34	Field Trip
145.	10/17-18	Hathaway Brown/Shaker Heights Jill Spano	66	Field Trip
146.	10/18-19	Rocky River Middle School/Rocky River David Opdyke	54	Field Trip

Table 29 – 2007

	Date	Group Name/City/Leader	No.	Description
147.	10/19- 20	Siena Catholic School/Rochester, NY Mary Chisi	65	Field Trip
148.	10/23- 24	Jackson Middle School/Grove City David Crosby	77	Field Trip
		Field Trips, Conferences, and Tours Participants	7,046	TOTAL

TABLE 30

**Stone Laboratory Field Trips, Conferences, and Tours
2008**

	Date	Group Name/City/Leader	No.	Description
1.	4/17-18	Cleveland Heights H.S./Cleveland Hts. Jim Miller	22	Field Trip
2.	4/18-20	Friends of Stone Lab Chris Winslow	37	Conference
3	4/23	Shekinah Ranch/Dayton Lisa Williams	8	Tour
4.	4/28	All Saints School/Rossford Carol Gutierrez	29	Field Trip
5.	4/28	Institute for Great Lakes Journalists Peter Annin	19	Conference
6.	4/28-29	St. Ann's School/Fremont Mary Steyer	17	Field Trip
7.	5/1	St. Dominic School/Shaker Hts. Kyle Becker	45	Field Trip
8.	5/1-2	Woodside Middle School/Ft. Wayne, IN Peter Bray	50	Field Trip
9.	5/2	Bellvue Middle School/Bellvue Jamie Scott and Jennifer Mizener	21	Field Trip
10.	5/5	Wooster Christian Middle School/Wooster Mark Kister	24	Tour
11.	5/5	Meadowlawn Middle School I/Sandusky Malinda Sommers	63	Field Trip
12.	5/6	Norwalk St. Paul High School/Norwalk Mike Wasiniak	31	Field Trip
13.	5/6	Lake High School/Millbury Jessie Kubuske	10	Field Trip
14.	5/6	Elderhostel I/Put-in-Bay Susie Cooper	30	Field Trip
15.	5/7	Meadowlawn II/Sandusky Malinda Sommers	64	Field Trip
16.	5/7	South Amherst Middle School/South Amherst Chuck Latto	140	Tour

Table 30 – 2008

	Date	Group Name/City/Leader	No.	Description
17.	5/7	Oregon City Schools/Oregon Robin Sneed	29	Field Trip
18.	5/7-8	Ridgedale Elementary/Morrall Jamie Terry	23	Field Trip
19.	5/8	St. Francis of Assisi/Gates Mills Adrienne Publicover	41	Tour
20.	5/8	Toledo Maritime Academy/Toledo Patty Eaton	36	Field Trip
21.	5/9	Immaculate Conception School/Port Clinton Jane Drusbacky	43	Field Trip
22.	5/9	Grace Brethren School/Worthington Dick Dray	96	Field Trip
23.	5/9	Alliance High School/Alliance Charles Miller	12	Field Trip
24.	5/10	O.S.U. Oceanography Class/Columbus Dr. Larry Krissek	14	Field Trip
25.	5/12- 13	Miamisburg Elementary/Miamisburg Michele Morrison	59	Field Trip
26.	5/13	Elderhostel II/Put-in-Bay Susie Cooper	36	Field Trip
27.	5/13- 14	Ruffing Montessori School/Cleveland Heights Francine Barnett	43	Field Trip
28.	5/14- 15	Village Academy/Powell Kelly Foley	8	Field Trip
29.	5/14- 15	Mt. Vernon High School/Mt. Vernon Marcie Steen	34	Field Trip
30.	5/14- 14	West Carrollton Middle School/W. Carrollton Susan Baker	20	Field Trip
31.	5/15- 16	Perry-McCord Middle Schools/Worthington Mary McTigue	45	Field Trip
32.	5/16	Harmon Middle School/Aurora Melissa Croghan	235	Tour
33.	5/16- 18	O.S.U. Limnology Class/Columbus Dr. David Culver	22	Field Trip

Table 30 – 2008

	Date	Group Name/City/Leader	No.	Description
34.	5/16-18	Thomas More College/Crestview Hills, KY Dr. Chris Lorenz	10	Field Trip
35.	5/16-18	Hanover College/Hanover, IN Dr. Daryl Karns	10	Field Trip
36.	5/19	McCormick School I/Huron Lea LaCrosse	49	Field Trip
37.	5/19-20	St. Mary's School/Wooster Jocelyn Stefancin	11	Field Trip
38.	5/20	McCormick School II/Huron Leah LaCrosse	49	Field Trip
39.	5/21	McCormick School III/Huron Leah LaCrosse	51	Field Trip
40.	5/21-22	Erwine Middle School/Akron James Trogdon	54	Field Trip
41.	5/22	Whiteford Middle School/Ottawa Lake, MI Sue Bixler	100	Field Trip
42.	5/23	Kenwood Elementary/Bowling Green Kent McClary	74	Field Trip
43.	5/27	Wynford High School/Bucyrus Glen Smith	33	Field Trip
44.	5/27	St. Jude School/Elyria Chris Pelphrey	49	Field Trip
45.	5/27-29	Buckeye Valley Middle School/Delaware Amos Price	50	Field Trip
46.	5/28	WTOL-TV/Toledo James Canterbury	2	Tour
47.	5/28	Celeryville Christian Academy/Williard Sheri Null	11	Field Trip
48.	6/2	Northwood Junior High/Valley City Heidi Banjoff	70	Tour
49.	6/2	New Boston High School/New Boston Mike Staggs	19	Tour
50.	6/3	Lake Ridge Academy/North Ridgeville Ryan Macrauld	31	Field Trip

Table 30 – 2008

	Date	Group Name/City/Leader	No.	Description
51.	6/4	U.S. Sportsmens Alliance/Columbus Doug Jeanneret	18	Conference
52.	6/4	Langston Middle School/Oberlin John Crecelius	79	Tour
53.	6/4	Brian Margavich/Pope Air Force Base, N.C.	4	Tour
54.	6/5	Bowling Green High School Teachers/Bowling Green Lind Cornell	9	Field Trip
55.	6/5-6	Milford Junior High/Milford Raylene Gerber	32	Field Trip
56.	6/6-7	Jackson Township HOFNOD/Jackson Twp. Stephen Cindea	44	Field Trip
57.	6/11	Girl Scout Troop #609/Dexter, MI Diann Singer	19	Tour
58.	6/12	Perry's Monument Staff/Put-in-Bay Jerry Cantu	15	Tour
59.	6/12-13	Canton Local Teachers/Canton Jay Moody	30	Field Trip
60.	6/13	Visitors for Guest Lecture	5	Tour
61.	6/13	O.S.U. Extension/Lima Jerry Thomas	16	Conference
62.	6/17	Middle Bass Island Environmental Adventure Lisa Brohl	21	Tour
63.	6/18	Visitors for Gibraltar Island Eco-History Tour	6	Tour
64.	6/19	Perry's Monument Superintendents/Put-in-Bay Marcus Hathaway and Blanca Stransky	2	Tour
65.	6/19	Visitors of South Bass Lighthouse Tour	20	Tour
66.	6/19	Great Lakes Bioneers/Cleveland Nancy King	2	Tour
67.	6/20	Visitors of South Bass Lighthouse Tour	57	Tour

Table 30 – 2008

	Date	Group Name/City/Leader	No.	Description
68.	6/20	Cuyahoga Community College/Cleveland Mary Bruce	22	Field Trip
69.	6/21	Visitors of South Bass Lighthouse Tour	5	Tour
70.	6/22	Visitors of South Bass Lighthouse Tour	15	Tour
71.	6/25	Visitors for Gibraltar Island Eco-History Tour	2	Tour
72.	6/26	Ottawa National Wildlife Refuge/Oak Harbor Rebecca Hinkle	12	Tour
73.	6/26	Visitors of South Bass Lighthouse Tour	51	Tour
74.	6/27	Lakewood High School/Lakewood Alice Stone	12	Field Trip
75.	6/27	Visitors of South Bass Lighthouse Tour	14	Tour
76.	6/28	Visitors of South Bass Lighthouse Tour	40	Tour
77.	6/29	Visitors of South Bass Lighthouse Tour	7	Tour
78.	6/30	Geauga/Portage Co. SWCD/Aurora Ann Rzepka	17	Field Trip
79.	7/2	Visitors for Gibraltar Island Eco-History Tour	1	Tour
80.	7/3	Visitors for South Bass Lighthouse Tour	36	Tour
81.	7/3	Visitors for Guest Lecture	10	Tour
82.	7/3	National Park Service Staff Marcus Hathaway	3	Tour
83.	7/4	Visitors of South Bass Lighthouse Tour	70	Tour
84.	7/5	Visitors of South Bass Lighthouse Tour	75	Tour

Table 30 – 2008

	Date	Group Name/City/Leader	No.	Description
85.	7/6	Visitors of South Bass Lighthouse Tour	47	Tour
86.	7/9	Visitors for Gibraltar Island Eco-History Tour	14	Tour
87.	7/10	Visitors of South Bass Lighthouse Tour	87	Tour
88.	7/10	Visitors for Research Brief	3	Tour
89.	7/10	Visitors for Guest Lecture	14	Tour
90.	7/11	Visitors of South Bass Lighthouse Tour	42	Tour
91.	7/12	Friends of Stone Lab Board Members Chris Winslow	12	Conference
92.	7/12	Visitors of South Bass Lighthouse Tour	77	Tour
93.	7/13	Visitors of South Bass Lighthouse Tour	48	Tour
94.	7/16	NOAA Science Advisory Board David Fluharty, Mary Glackin, Rick Spinrad	20	Conference
95.	7/16	Visitors for Gibraltar Island Eco-History Tour	4	Tour
96.	7/17	Visitors of South Bass Lighthouse Tour	100	Tour
97.	7/18	Ohio Legislators and Agency Staff Rep. Chris Redfern	157	Field Trip
98.	7/18	Visitors of South Bass Lighthouse Tour	44	Tour
99.	7/19	Visitors of South Bass Lighthouse Tour	90	Tour
100.	7/20	Visitors of South Bass Lighthouse Tour	34	Tour
101.	7/22	Kelleys Island 4-H Sea Camp Dr. Bob Horton	12	Field Trip

Table 30 – 2008

	Date	Group Name/City/Leader	No.	Description
102.	7/22	Put-in-Bay Environmental Educ. Camp Lisa Brohl	26	Tour
103.	7/23	Visitors for Gibraltar Island Eco-History Tour	10	Tour
104.	7/24	Visitors of South Bass Lighthouse Tour	77	Tour
105.	7/24	O.S.U. Retiree Association Ruth Conone	47	Field Trip
106.	7/25	Visitors of South Bass Lighthouse Tour	58	Tour
107.	7/25	North Coast Estate Planning Council Nora Gallagher and Daniel F. Miltner	20	Tour
108.	7/26	Visitors of South Bass Lighthouse Tour	99	Tour
109.	7/27	Visitors of South Bass Lighthouse Tour	113	Tour
110.	7/28	Ohio County Commissioners Diane Schiming	30	Tour
111.	7/29	Ohio Federation of Soil & Water Conservation Districts Carol Benner	60	Field Trip
112.	7/30	Visitors for Gibraltar Island Eco-History Tour	20	Tour
113.	7/30	B.G.S.U. School of Journalism/Bowling Green Dr. Cathrine Cassara-Jemai	20	Tour
114.	7/31	Great Lakes Area Ecosystem Research Consortium Dr. Jeffrey Reutter	40	Conference
115.	7/31	Visitors of South Bass Lighthouse Tour	128	Tour
116.	8/1	Coastal Mayors Dr. Jeffrey Reutter	6	Conference
117.	8/1	Visitors of South Bass Lighthouse Tour	61	Tour
118.	8/2	Visitors of South Bass Lighthouse Tour	111	Tour

Table 30 – 2008

	Date	Group Name/City/Leader	No.	Description
119.	8/3	Visitors of South Bass Lighthouse Tour	97	Tour
120.	8/5	Island Masons Howard Pinkley	32	Tour
121.	8/6	Visitors for Gibraltar Island Eco-History Tour	19	Tour
122.	8/7	American Groundwater Association/Cleveland Emily Preto	2	Tour
123.	8/7	Visitors of South Bass Lighthouse Tour	123	Tour
124.	8/7	Ohio Society of Executives Larry Fletcher	30	Tour
125.	8/8	American Waterworks Association Research Committee Mike Herdlick	10	Field Trip
126.	8/8	Ohio Coastal Mayors and County Commissioners Dr. Jeffrey Reutter	10	Conference
127.	8/8	Visitors of South Bass Lighthouse Tour	104	Tour
128.	8/9	Bob and Cathy Adamov/Cuyahoga Falls	2	Tour
129.	8/9	Visitors of South Bass Lighthouse Tour	55	Tour
130.	8/10	Visitors of South Bass Lighthouse Tour	49	Tour
131.	8/12	U.S. Senator George Voinovich and Family	6	Field Trip
132.	8/13	Dr. E. Gordon Gee and Staff/Columbus	6	Tour
133.	8/13	Visitors for Gibraltar Island Eco-History Tour	9	Tour
134.	8/13	Dr. David Lentz/Cincinnati	1	Tour
135.	8/14	Friends of Stone Lab Life Members	41	Conference

Table 30 – 2008

	Date	Group Name/City/Leader	No.	Description
136.	8/14	Visitors of South Bass Lighthouse Tour	127	Tour
137.	8/15	Barry Reutter/Willoughby Hills	2	Tour
138.	8/15	Dovetail Solar and Wind/Athens David Fahrback	5	Tour
139.	8/15	Visitors of South Bass Lighthouse Tour	37	Tour
140.	8/18- 19	Ohio Bird Sanctuary/Mansfield Jan Ferrell	13	Field Trip
141.	8/20- 22	O.S.U. University Housing/Columbus Jamie Harty	51	Conference
142.	8/21	Lakeside Environmental Stewardship Club/Lakeside Frank O'Dell	22	Tour
143.	8/22	Ottawa County Visitors Bureau/Port Clinton Larry Fletcher	14	Tour
144.	8/26- 27	O.S.U. Campus Dining/Columbus Abigail Herzfeld	32	Conference
145.	8/29	O.S.U. Student Ambassadors/Mansfield Joan Bradley	11	Tour
146.	8/29	Lorain County Joint Vocational School/Oberlin Susan Wallace	18	Field Trip
147.	9/2-3	Hilliard Station I/Hilliard Tim Wilson	43	Field Trip
148.	9/3-4	Hilliard Station II/Hilliard Tim Wilson	39	Field Trip
149.	9/4-5	Hilliard Station III/Hilliard Tim Wilson	43	Field Trip
150.	9/5-7	Friends of Stone Lab Board Chris Winslow	21	Conference
151.	9/6	Friends of Stone Lab Members	30	Conference
152.	9/6	Gibraltar Island Open House Dr. Jeffrey Reutter	866	Tour

Table 30 – 2008

	Date	Group Name/City/Leader	No.	Description
153.	9/6	South Bass Island Lighthouse Open House Joan Bradley	293	Tour
154.	9/9	Lake Erie Island Chapter, Black Swamp Conservancy/Put-in-Bay Lisa Brohl	20	Tour
155.	9/9	Professional Supply, Inc./Fremont Tom Kiser	4	Tour
156.	9/13	Boy Scout Troop #555/Columbus Kevin Carr	31	Field Trip
157.	9/16	Elderhostel III/Put-in-Bay Susie Cooper	23	Field Trip
158.	9/18- 19	Dempsey Middle School/Delaware Deb Bogard	32	Field Trip
159.	9/19	Great Lakes Lighthouse Keepers Association Fran Jehrio	66	Tour
160.	9/19	Canton South High School/Canton Megan Fricke	5	Tour
161.	9/19	St. Mary of the Falls/Olmstead Falls Karen Myers	22	Field Trip
162.	9/20	Tecumseh Middle School/New Carlisle Angela Greene	12	Field Trip
163.	9/20	Boy Scout Troop #563/Columbus Klaus Wiesmann	8	Field Trip
164.	9/22	West Holmes High School/Millersburg Phil Durksen	10	Field Trip
165.	9/22- 23	Hathaway Brown School/Shaker Heights Jill Spano	69	Field Trip
166.	9/24- 26	Columbus School for Girls/Columbus Ann Marie McDonnell	60	Field Trip
167.	9/25	Elderhostel Fishing Group Susie Cooper	16	Tour
168.	9/26	Lakota Junior High/Amsden Tom Rymers	36	Field Trip
169.	9/29	Great Lakes Environmental Academy/Toledo Lois Fuller and Bridgett Johnson	44	Field Trip

Table 30 – 2008

	Date	Group Name/City/Leader	No.	Description
170.	9/30-10/1	Hershey Montessori School/Huntsburg Rachel McKinney	19	Field Trip
171.	9/30-10/1	St. Boniface School/Oak Harbor Brenda Brahier	21	Field Trip
172.	10/1-2	Rocky River Middle School I/Rocky River David Opdycke	30	Field Trip
173.	10/2-3	Rocky River Middle School II/Rocky River David Opdycke	51	Field Trip
174.	10/2-3	Kelleys Island School/Kelleys Island Erin Laybourne	5	Field Trip
175.	10/3	O.S.U. Development Officers/Columbus John Cleveland	6	Tour
176.	10/3-4	Granville Intermediate School/Granville Jeanna Giovanell	25	Field Trip
177.	10/3-5	Buckeye Island Hop Karen Jennings	17	Conference
178.	10/3-5	Fisheries Techniques Field Trip Eugene Braig	16	Field Trip
179.	10/6-7	Jonathan Alder High School/Plain City Ann Holben	16	Field Trip
180.	10/6-7	Brecksville High School/Brecksville Robert Berg	40	Field Trip
181.	10/7	McCormick School I/Huron Leah LaCrosse	65	Field Trip
182.	10/8	McCormick School II/Huron Leah LaCrosse	65	Field Trip
183.	10/9-10	Great Lakes Sea Grant Coastal Community Dev. Joe Lucente	12	Conference
184.	10/10-12	Shepherd University/Shepherdstown, WV Peter Vila	12	Field Trip
185.	10/10-12	Great Lakes Fisheries Leadership Institute Tory Gabriel	23	Conference
186.	10/14-15	CHECCS Home School Group/Hammondsville Tina Costarella	14	Field Trip

Table 30 – 2008

	Date	Group Name/City/Leader	No.	Description
187.	10/15	St. Judes School/Elyria Chrys Muenchausen	48	Field Trip
188.	10/16	Kent State University/Kent Dr. Darren Bade	14	Field Trip
189.	10/20	Put-in-Bay School/Put-in-Bay Paul Genzman	23	Field Trip
190.	10/23	Gibsonburg Middle School/Gibsonburg Stacy Gabel	91	Field Trip
191.	10/29	National ParkService/Put-in-Bay Blanca Stransky	6	Conference
192.	12/9	Lake Erie Islands Chapter, Black Swamp Conservancy/Put-in-Bay Lisa Brohl	25	Conference
		Field Trips, Conferences, and Tour Participants	7,946	TOTAL

TABLE 31

**Stone Laboratory Field Trips, Conferences, and Tours
2009**

	Date	Group Name/City/Leader	No.	Description
1.	4/17-19	Friends of Stone Lab Lisa Bircher	86	Conference
2.	4/22	Our Lady of Angels/Cleveland Robin Pluto	16	Field Trip
3.	4/27	All Saints Catholic School/Rossford Carol Gutierrez	24	Field Trip
4.	4/27-28	St. Ann's School/Fremont Mary Steyer	16	Field Trip
5.	4/29-5/1	Bloom-Carroll, Fairfield Union H.S./Carroll Joe Carter	56	Field Trip
6.	4/30	Wynford H.S./Bucyrus Glen Smith	30	Field Trip
7.	5/3-4	Institute of Great Lakes Journalists Peter Annin	21	Field Trip
8.	5/5	St. Peter and Paul School/Doylestown Joanne Pasho	60	Tour
9.	5/5	Elderhostel I Becky Shemensky	30	Field Trip
10.	5/6	Norwalk St. Paul/Norwalk Mike Wasiniak	52	Field Trip
11.	5/8	Worthington Christian M.S./Worthington Richard Dray	110	Field Trip
12.	5/11-12	Miamisburg Elementary/Miamisburg Michelle Morrison	60	Field Trip
13.	5/12	Elderhostel II Becky Shemensky	30	Field Trip
14.	5/12-13	Clintonville Academy/Clintonville Michael Hoffer	26	Field Trip
15.	5/13	Oregon City Schools/Oregon Robin Sneed	13	Field Trip
16.	5/14	St. Francis Assisi/Gates Mills Alice Monihan	48	Tour

Table 31 – 2009

	Date	Group Name/City/Leader	No.	Description
17.	5/14-15	Perry-McCord M.S./Worthington Dara Cripe	44	Field Trip
18.	5/15	Elaine Bruckner Home School Group/Bowling Green Elaine Bruckner	18	Field Trip
19.	5/16	SECO/CRCST	15	Tour
20.	5/16-17	O.S.U. Biological Science Scholars/Columbus Melissa Dennis	6	Field Trip
21.	5/18-19	West Carrollton M.S./West Carrollton Susan Baker	44	Field Trip
22.	5/18-19	St. Mary School/Wooster Jocelyn Stefancin	9	Field Trip
23.	5/19	South Amherst M.S./South Amherst Chick Latto	116	Tour
24.	5/19	St. John's Lutheran Church/Put-in-Bay Pastor Dan Keck	16	Tour
25.	5/19-20	Ridgedale Elementary/Morrill Jamie Terry	26	Field Trip
26.	5/20-21	Erwine M.S./Akron James Trogdon	52	Field Trip
27.	5/21-22	Springfield H.S./Springfield Mike Willets	7	Field Trip
28.	5/22	Kenwood Elementary/Bowling Green Kent McClary	65	Field Trip
29.	5/26	Whiteford M.S./Ottawa Lake, MI Susan Bixler	90	Field Trip
30.	5/27	Green M.S./Smithville Don Tkacz	32	Field Trip
31.	5/27-29	Buckeye Valley M.S./Delaware Amos Price	50	Field Trip
32.	5/29	Memorial H.S. Science Club/St. Marys Tami Golliday	11	Field Trip
33.	5/29-30	Jackson Twp. HOF-NOD Program/Jackson Twp. Officer Steven Cindea	35	Field Trip

Table 31 – 2009

	Date	Group Name/City/Leader	No.	Description
34.	6/1	Northwood Jr. High/Elyria Heidi Banjoff	67	Tour
35.	6/2	Meadowlawn Intermediate School I/Sandusky Malinda Sommers	69	Field Trip
36.	6/2	Midwest Directors of Agriculture Staff/Columbus Cindy Shy	4	Tour
37.	6/4	Meadowlawn Intermediate School II/Sandusky Malinda Sommers	69	Field Trip
38.	6/4	Western Reserve H.S./Collins Lindsey French	15	Tour
39.	6/4	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	43	Tour
40.	6/5	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	52	Tour
41.	6/6	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	123	Tour
42.	6/7	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	58	Tour
43.	6/11	Perry's Victory and Int. Peace Memorial/Put-in-Bay Sue Judas	6	Field Trip
44.	6/11	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	48	Tour
45.	6/12	Perry's Victory and Int. Peace Memorial/Put-in-Bay Sue Judas	13	Field Trip
46.	6/12	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	164	Tour
47.	6/13	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	182	Tour
48.	6/14	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	102	Tour
49.	6/16	Middle Bass Nature Camp/Middle Bass Island Lisa Brohl	16	Field Trip
50.	6/18	Visitors of South Bass Island Lighthouse Tour	6	Tour

Table 31 – 2009

	Date	Group Name/City/Leader	No.	Description
51.	6/18	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	230	Tour
52.	6/18	Visitors for Stone Lab Guest Lecture	14	Tour
53.	6/19	Huron-Erie Co. SWCD Teachers/Norwalk Alisa Schaffer	23	Field Trip
54.	6/19	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	86	Field Trip
55.	6/20	Visitors of South Bass Island Lighthouse Tour	31	Tour
56.	6/20	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	183	Tour
57.	6/21	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	219	Tour
58.	6/22	Dr. Tom Hall Family	6	Tour
59.	6/24	Lakewood H.S./Lakewood Alice Stone	17	Field Trip
60.	6/24	West Geauga H.S./Chesterland Mike Sustin	12	Field Trip
61.	6/24	Visitors for Gibraltar Island Eco-History Tour		Tour
			11	
62.	6/25	Visitors at Put-in-Bay Historic Fish Hatchery	73	Tour
63.	6/25	Visitors of South Bass Island Lighthouse Tour	38	Tour
64.	6/25	Visitors for Stone Lab Guest Lecture	4	Tour
65.	6/25- 26	Cleveland Museum of Natural History/Cleveland Nathan Paxel	10	Field Trip
66.	6/26	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	148	Tour
67.	6/26	Visitors of South Bass Island Lighthouse Tour	11	Tour

Table 31 – 2009

	Date	Group Name/City/Leader	No.	Description
68.	6/27	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	235	Tour
69.	6/27	Visitors of South Bass Island Lighthouse Tour	48	Tour
70.	6/28	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	174	Tour
71.	6/28	Visitors of South Bass Island Lighthouse Tour	19	Tour
72.	6/29	Geauga-Portage Co. SWCD Teachers/Aurora Gail Boyle	13	Field Trip
73.	6/30	Wayne Davis Family/Silver Springs, MD	4	Tour
74.	7/1	Visitors for Gibraltar Island Eco-History Tour	25	Tour
75.	7/2	Kelleys Island 4-H Sea Camp/Kelleys Island Dr. Bob Horton	15	Field Trip
76.	7/2	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	221	Tour
77.	7/2	Visitors of South Bass Island Lighthouse Tour	83	Tour
78.	7/3	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	302	Tour
79.	7/3	Visitors of South Bass Island Lighthouse Tour	104	Tour
80.	7/3	Visitors for Stone Lab Guest Lecture	18	Tour
81.	7/4	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	317	Tour
82.	7/4	Dr. Jack Reichard/Youngstown	4	Tour
83.	7/4	Visitors of South Bass Island Lighthouse Tour	94	Tour
84.	7/5	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	210	Tour

Table 31 – 2009

	Date	Group Name/City/Leader	No.	Description
85.	7/5	Visitors of South Bass Island Lighthouse Tour	61	Tour
86.	7/6	Dr. Creighton Freeman/Columbus	1	Tour
87.	7/8	Visitors for Gibraltar Island Eco-History Tour	23	Tour
88.	7/8	Lisa Jackson-Babcock Family/Columbus	4	Tour
89.	7/9	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	301	Tour
90.	7/9	Visitors of South Bass Island Lighthouse Tour	103	Tour
91.	7/9	Visitors for Stone Lab Guest Lecture	4	Tour
92.	7/10	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	317	Tour
93.	7/10	Visitors of South Bass Island Lighthouse Tour	104	Tour
94.	7/11	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	205	Tour
95.	7/11	Visitors of South Bass Island Lighthouse Tour	55	Tour
96.	7/12	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	130	Tour
97.	7/12	Visitors of South Bass Island Lighthouse Tour	61	Tour
98.	7/13	Cleveland Metro School District Teachers/Cleveland	17	Tour
99.	7/15	Visitors for Gibraltar Island Eco-History Tour	22	Tour
100.	7/16	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	391	Tour
101.	7/16	Visitors of South Bass Island Lighthouse Tour	102	Tour

Table 31 – 2009

	Date	Group Name/City/Leader	No.	Description
102.	7/16	Visitors for Stone Lab Guest Lecture	2	Tour
103.	7/17	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	289	Tour
104.	7/17	Visitors of South Bass Island Lighthouse Tour	49	Tour
105.	7/18	Midwest Assoc. Of State Directors of Agriculture Cindy Shy	32	Conference
106.	7/18	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	200	Tour
107.	7/18	Visitors of South Bass Island Lighthouse Tour	55	Tour
108.	7/19	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	143	Tour
109.	7/19	Visitors of South Bass Island Lighthouse Tour	78	Tour
110.	7/22	Visitors for Gibraltar Island Eco-History Tour	41	Tour
111.	7/22	Ottawa National Wildlife Refuge CCC Crew/Oak Harbor	6	Tour
112.	7/23	Visitors at Put-in-Bay Historic Fish hatchery/Aquatic Ed. Ctr.	190	Tour
113.	7/23	Visitors of South Bass Island Lighthouse Tour	73	Tour
114.	7/24	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	405	Tour
115.	7/24	Visitors of South Bass Island Lighthouse Tour	108	Tour
116.	7/25	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	208	Tour
117.	7/25	Visitors of South Bass Island Lighthouse Tour	86	Tour
118.	7/26	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	128	Tour

Table 31 – 2009

	Date	Group Name/City/Leader	No.	Description
119.	7/26	Visitors of South Bass Island Lighthouse Tour	93	Tour
120.	7/27	Marine Trawlers owners Association/Marion Bonita Howard	24	Tour
121.	7/28	Marc Kibbey/Columbus	3	Tour
122.	7/29	Visitors for Gibraltar Island Eco-History Tour	16	Tour
123.	7/29	Bowling Green State Univ., Sch. Of Journalism/B.G. Catherine Cassara-Jemai	33	Tour
124.	7/30	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	555	Tour
125.	7/30	Visitors of South Bass Island Lighthouse Tour	146	Tour
126.	7/30	Visitors for Stone Lab Guest Lecture	3	Tour
127.	7/30-31	O.S.U. Alber Center for Business/Marion Lynn Altoman	16	Conference
128.	7/31	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	314	Tour
129.	7/31	Visitors of South Bass Island Lighthouse Tour	92	Tour
130.	7/31	SkySentry Staff/vermillion Susan Hennie	10	Tour
131.	8/1	Friends of Stone Lab Board	10	Conference
132.	8/1	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	361	Tour
133.	8/1	Visitors of South Bass Island Lighthouse Tour	163	Tour
134.	8/2	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	225	Tour
135.	8/2	Visitors of South Bass Island Lighthouse Tour	60	Tour

Table 31 – 2009

	Date	Group Name/City/Leader	No.	Description
136.	8/3	Put-in-Bay Environmental Adventure Camp/Put-in-Bay Lisa Brohl	21	Field Trip
137.	8/4	Ohio Garden Club Pat Ruppier	17	Field Trip
138.	8/5	Visitors for Gibraltar Island Eco-History Tour	45	Tour
139.	8/5	Ohio Legislators, Staff and Families Representative Dennis Murray and Senator Mark Wagoner	60	Tour
140.	8/6	Elgin H.S./Elgin, IL John Devine	75	Field Trip
141.	8/6	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	376	Tour
142.	8/6	Visitors of South Bass Island Lighthouse Tour	118	Tour
143.	8/6	Visitors for Stone Lab Guest Lecture	5	Tour
144.	8/7	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	333	Tour
145.	8/7	Visitors of South Bass Island Lighthouse Tour	81	Tour
146.	8/8	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	188	Tour
147.	8/8	Visitors of South Bass Island Lighthouse Tour	36	Tour
148.	8/9	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	162	Tour
149.	8/9	Visitors of South Bass Island Lighthouse Tour	95	Tour
150.	8/12	Visitors for Gibraltar Island Eco-History Tour	53	Tour
151.	8/13	Friends of Stone Lab Donors	48	Conference
152.	8/13	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	338	Tour

Table 31 – 2009

	Date	Group Name/City/Leader	No.	Description
153.	8/13	Visitors of South Bass Island Lighthouse Tour	113	Tour
154.	8/13	State Representative Dennis Murray Family	4	Conference
155.	8/13	Visitors for Stone Lab Guest Lecture	12	Tour
156.	8/13-14	Cliff and Shirley Bowser	2	Conference
157.	8/14	Harsenge Family	4	Tour
158.	8/14	Bud Lager and Henry Wood	2	Tour
159.	8/14	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	243	Tour
160.	8/14	Visitors of South Bass Island Lighthouse Tour	80	Tour
161.	8/14-15	Dr. Jeff Kaplan Family	4	Tour
162.	8/15	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	427	Tour
163.	8/15	Visitors of South Bass Island Lighthouse Tour	114	Tour
164.	8/16	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	157	Tour
165.	8/16	Visitors of South Bass Island Lighthouse Tour	98	Tour
166.	8/17	Clean Energy Association of Ohio/Columbus	9	Conference
167.	8/18	Coastal County Commissioners Dr. Jeff Reutter	20	Field Trip
168.	8/19	Visitors for Gibraltar Island Eco-History Tour	20	Tour
169.	8/19-20	Jonathan McCracken, Aide to U.S. Sen. Sherrod Brown	1	Tour

Table 31 – 2009

	Date	Group Name/City/Leader	No.	Description
170.	8/20	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	162	Tour
171.	8/20	Visitors of South Bass Island Lighthouse Tour	52	Tour
172.	8/21	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	180	Tour
173.	8/21	Visitors of South Bass Island Lighthouse Tour	105	Tour
174.	8/22	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	144	Tour
175.	8/22	Visitors of South Bass Island Lighthouse Tour	111	Tour
176.	8/23	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	167	Tour
177.	8/26-28	O.S.U. Resident Life/Columbus Jamie Harty	48	Conference
178.	8/27	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	52	Tour
179.	8/28	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	70	Tour
180.	8/29	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	183	Tour
181.	8/30	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	97	Tour
182.	9/1-2	Ohio Environmental Council/The Nature Conservancy Kristy Meyer	11	Field Trip
183.	9/3	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	73	Tour
184.	9/4	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	98	Tour
185.	9/4	Lorain Co. Joint Vocational School/Elyria Susan Wallace	20	Field Trip
186.	9/5	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	143	Tour

Table 31 – 2009

	Date	Group Name/City/Leader	No.	Description
187.	9/6	Visitors at Put-in-Bay Historic Fish Hatchery/Aquatic Ed. Ctr.	180	Tour
188.	9/8-9	Hilliard Station I/Hilliard Tim Wilson	39	Field Trip
189.	9/9-10	Hilliard Station II/Hilliard Tim Wilson	41	Field Trip
190.	9/10-11	Hilliard Station III/Hilliard Tim Wilson	42	Field Trip
191.	9/11-13	Friends of Stone Lab Board Members Lisa Bircher	18	Conference
192.	9/12	Stone Lab Annual Open House-Gibraltar Island	1059	Tour
193.	9/12	Stone Lab Annual Open House-South Bass Island Lighthouse	145	Tour
194.	9/12	Stone Lab Annual Open House-Put-in-Bay Fish Hatchery	622	Tour
195.	9/12	Friends of Stone Lab Members Lisa Bircher	27	Conference
196.	9/13	Friends of Stone Lab-New Board Lisa Bircher	18	Conference
197.	9/14	Elderhostel III South Bass Island Lighthouse Tour Becky Shemensky	25	Tour
198.	9/15	Lucas Co. Extension/Toledo Barbara Northrup	23	Field Trip
199.	9/15	Elderhostel III Becky Shemensky	25	Field Trip
200.	9/16-17	Hathaway Brown School/Shaker Heights Jill Spano	65	Field Trip
201.	9/17-18	Dempsey M.S./Delaware Bed Bogard	32	Field Trip
202.	9/18	St. Marys of the Falls/Olmstead Falls Karen Myers	34	Field Trip
203.	9/18	Ohio Chapter of the American Fisheries Society Nick Radabaugh	19	Conference

Table 31 – 2009

	Date	Group Name/City/Leader	No.	Description
204.	9/21	West Holmes H.S./Millersburg Phil Duerkesen	18	Field Trip
205.	9/21- 22	Jonathan Alder H.S./Plain City Ann Holben	30	Field Trip
206.	9/22	Jim Voltz/Put-in-Bay	8	Tour
207.	9/23	Immaculate Conception School/Port Clinton Jane Drusbacky	27	Field Trip
208.	9/26	Geo-Cache Club/Put-in-Bay Karen Wilhelm	10	Tour
209.	9/28- 29	Brecksville H.S./Brecksville Bob Berg	35	Field Trip
210.	9/30- 10/1	Columbus School for Girls/Columbus Ann Marie McDonnell	49	Field Trip
211.	10/1-2	Granville Intermediate School/Granville Jeana Giovannelli	23	Field Trip
212.	10/2-4	Buckeye Island Hop Karen Jennings	55	Conference
213.	10/6	Gibsonburg M.S./Gibsonburg Stacy Gabel	92	Field Trip
214.	10/8-9	Rocky River M.S./Rocky River David Opdycke	57	Field Trip
215.	10/10	Cleveland Technical Society/Cleveland Jan Keleman	16	Tour
216.	10/13	Meadowlawn School I/Sandusky Tina Swanbeck	54	Field Trip
217.	10/14	Meadowlawn School II/Sandusky Tina Swanbeck	50	Field Trip
218.	10/14- 15	Peaceful Children Montessori School/Kirtland Kathy McPhillips	15	Field Trip
219.	10/14- 15	Put-in-Bay School/Put-in-Bay Karen Wilhelm	13	Field Trip
220.	10/15- 16	Robinson M.S./Toledo Diane McClelland	18	Field Trip

Table 31 – 2009

	Date	Group Name/City/Leader	No.	Description
221.	10/19	Woodlands Intermediate School I/Huron Leah LaCrosse	66	Field Trip
222.	10/20	Woodlands intermediate School II/Huron Leah LaCrosse	66	Field Trip
223.	10/21-22	Berwick/Columbus April Salyer	55	Field Trip
224.	10/22-23	Gearity Professional School/University Heights Joe Mendes	44	Field Trip
225.	12/15	L. Erie Islands Chap., Black Swamp Conservancy/Put-in-Bay Lisa Brohl	24	Conference
Field Trips, Conferences, and Tour Participants			19,787	TOTAL

Arleen added the numbers in excel and sum = 19,787.
Hagemand confirmed that 19,787 is correct.

TABLE 32

**Stone Laboratory Field Trips, Conferences, and Tours
2010**

	Date	Group Name/City/Leader	No.	Description
1.	4/13	WVIZ TV/Cleveland Tovio Motter	3	Tour
2.	4/16	Rudy Cooks/Cleveland	1	Tour
3.	4/16- 18	Friends of Stone Lab Lisa Bircher	25	Conference
4.	4/18- 19	WVIZ TV/Cleveland Tovio Motter	6	Conference
5.	4/26	All Saints Catholic School/Rossford Carol Gutierrez	19	Field Trip
6.	4/26- 27	Ohio E.P.A.-Emergency Response Team Jim Mehr	22	Conference
7.	4/29	St. Ann School/Fremont Mary Massi	13	Field Trip
8.	4/29	Nicole and Dennis White/Sandusky	2	Conference
9.	5/3-4	Hilliard Tharp I Cory Kindl	52	Field Trip
10.	5/4	Elderhostel Birding Group I Susie Cooper	26	Field Trip
11.	5/4-5	Hilliard Tharp II Cory Kindl	52	Field Trip
12.	5/5	Amy Braccia/Hiram	1	Tour
13.	5/5-6	Utica High School Frances O'Flaherty	27	Field Trip
14.	5/6	St. Francis Assisi/Valley City Alice Monihan	43	Tour
15.	5/7	St. Bernard School/New Washington Mary Obringer	22	Field Trip
16.	5/7	Maumee High School Brad Ballard	22	Field Trip
17.	5/7	Maranatha Christian School/Sugar Creek Mark Miller	26	Tour

Table 32 – 2010

	Date	Group Name/City/Leader	No.	Description
18.	5/8	Ohio State University Biological Scholars/Columbus Mellisa Dennis	6	Tour
19.	5/10- 11	Upper Arlington Community High School Lynn Reese	48	Field Trip
20.	5/11	Elderhostel Birding Group II Susie Cooper	27	Field Trip
21.	5/12	Pemberville Elementary Karen Long	64	Tour
22.	5/12	Oregon City Schools Robin Sneed	23	Field Trip
23.	5/12	Immaculate Conception School/Bellevue Darlene DeBlase	45	Field Trip
24.	5/13	Ottawa Co. Future Farmers of America/Oak Harbor Mike Libben	22	Field Trip
25.	5/13	South Amherst Middle School Ellen Gunderson	144	Tour
26.	5/13- 14	Perry-McCord Middle School/Worthington Dara Cripe	60	Field Trip
27.	5/14	Enrichment for Kids/Medina Ann Tirbasco	14	Field Trip
28.	5/14	Worthington Christian Middle School Dick Dray	95	Field Trip
29.	5/14	Danbury Middle School/Marblehead Sue Hartman	48	Field Trip
30.	5/15	Boy Scout Troop #1024/Beverly Hills, MI Karen Barnhart	12	Tour
31.	5/17	WVIZ TV/Cleveland Tovio Motter	3	Conference
32.	5/17- 18	Miamisburg Elementary Terry Sudlarek	5	Field Trip
33.	5/18- 19	Lake Ridge Academy/North Ridgeville Katherine Hatcher	22	Field Trip
34.	5/18- 19	St. Mary's School/Wooster Patty Crum	10	Field Trip
35.	5/19	Kenwood Elementary/Bowling Green Kent McClary	75	Field Trip

Table 32 – 2010

	Date	Group Name/City/Leader	No.	Description
36.	5/19-21	Hanover College/Hanover, IN Daryl Karns	11	Field Trip
37.	5/19-21	Thomas More College/Crestview Hills, KY Chris Lorentz	11	Field Trip
38.	5/20	Decolores Montessori School/Greenville Michelle Drees	23	Field Trip
39.	5/20	Luckey Elementary/Pemberville Karen Long	75	Tour
40.	5/20-21	West Carrollton Middle School Susan Baker	32	Field Trip
41.	5/21	Hanover College and Thomas More College Daryl Karns and Chris Lorentz	22	Tour
42.	5/21-22	Jackson Township Police Dept. Sgt. Steve Cindea	26	Field Trip
43.	5/21-23	Ohio Bird Sanctuary Jr. Naturalists/Mansfield Jan Ferrell	17	Field Trip
44.	5/24	Kathy Carr	2	Tour
45.	5/24	Whiteford Middle School/Ottawa Lake, MI Susan Bixler	87	Field Trip
46.	5/24-25	Ruffing Montessori School/Cleveland Heights Francine Barnett	52	Field Trip
47.	5/25-27	Buckeye Valley Middle School/Delaware Amos Price	55	Field Trip
48.	5/27	Webster Elementary/Pemberville Karen Long	50	Tour
49.	5/28	Erwine Middle School/Akron James Trogdon	52	Tour
50.	5/28-29	Erwine Middle School/Akron James Trogdon	52	Field Trip
51.	5/28	Norwalk Catholic School Joy Tokarsky	68	Tour
52.	6/1	Meadowlawn School I/Sandusky Melinda Sommers	70	Field Trip
53.	6/2	Elyria Community Elementary Arthea Adkins	23	Field Trip

Table 32 – 2010

	Date	Group Name/City/Leader	No.	Description
54.	6/3	Meadowlawn School II/Sandusky Melinda Sommers	70	Field Trip
55.	6/4	Poggemeyer Design Group/Bowling Green	10	Tour
56.	6/4	Oak Harbor Crossing Guards Chief Steve Weirich	66	Tour
57.	6/4-5	Snyder-Riddle Wedding Party Fred Snyder	7	Conference
58.	6/5	Snyder-Riddle Wedding/Fremont and Put-in-Bay Fred Snyder	90	Conference
59.	6/7	Ohio State University Mansfield Campus Faculty Ken Sigley	7	Tour
60.	6/10	Perry's Monument Seasonal Staff/Put-in-Bay Sue Judas	8	Field Trip
61.	6/11	Brownie Troop #198/Mineral Ridge Nancy Grusha	16	Field Trip
62.	6/16	St. Bernadette	36	Tour
63.	6/16- 18	Ken Martin/Columbus	1	Tour
64.	6/17	Visitors for Research Brief/Guest Lecture	5	Tour
65.	6/18	Lakewood High School Alice Stone	17	Field Trip
66.	6/19	Jane and Matthew Geis	2	Tour
67.	6/19	Beneteau Owners Association/Vermillion Terry Freeman	71	Conference
68.	6/23	Visitors for Gibraltar Island Eco-History Tour	9	Tour
69.	6/23	Middle Bass Island Environmental Education Camp Lisa Brohl	20	Tour
70.	6/23	Visitors for South Bass Island Lighthouse Tour	22	Tour
71.	6/23	West Geauga High School/Chesterland Mike Sustin	15	Field Trip
72.	6/23	Visitors at Aquatic Visitor Center	245	Tour
73.	6/24	Visitors at Aquatic Visitor Center	242	Tour

Table 32 – 2010

	Date	Group Name/City/Leader	No.	Description
74.	6/24	Visitors for South Bass Island Lighthouse Tour	38	Tour
75.	6/24	Metro CD Engineering/Dublin Dr. Michael Chow	7	Conference
76.	6/24	Visitors for Research Brief/Guest Lecture	2	Tour
77.	6/25	NOAA Marine Debris Program/Silver Spring, MD Lisa DePinto	5	Conference
78.	6/25	Stone Laboratory Tour Staff/Gibraltar Island Melinda Huntley	20	Conference
79.	6/25	Visitors at Aquatic Visitor Center	327	Tour
80.	6/25	Visitors for South Bass Island Lighthouse Tour	34	Tour
81.	6/26	Visitors at Aquatic Visitor Center	250	Tour
82.	6/26	Visitors for South Bass Island Lighthouse Tour	41	Tour
83.	6/28	Geauga/Portage Co. SWCD Teachers Group/Aurora Gail Boyle	14	Field Trip
84.	6/30	Visitors at Aquatic Visitor Center	353	Tour
85.	6/30	Visitors for Gibraltar Island Eco-History Tour	3	Tour
86.	6/30	Visitors for South Bass Island Lighthouse Tour	51	Tour
87.	7/1	Visitors at Aquatic Visitor Center	275	Tour
88.	7/1	Visitors for South Bass Island Lighthouse Tour	62	Tour
89.	7/1	Visitors for Research Brief/Guest Lecture	4	Tour
90.	7/2	Visitors at Aquatic Visitor Center	250	Tour
91.	7/2	Visitors for South Bass Island Lighthouse Tour	25	Tour
92.	7/3	Visitors at Aquatic Visitor Center	275	Tour
93.	7/3	Visitors for South Bass Island Lighthouse Tour	48	Tour
94.	7/7	Visitors for Gibraltar Island Eco-History Tour	10	Tour
95.	7/7	Visitors at Aquatic Visitor Center	376	Tour
96.	7/7	Visitors for South Bass Island Lighthouse Tour	29	Tour
97.	7/7	Garfield Heights Faculty	15	Tour

Table 32 – 2010

	Date	Group Name/City/Leader	No.	Description
98.	7/8	Visitors at Aquatic Visitor Center	286	Tour
99.	7/8	Visitors for South Bass Island Lighthouse Tour	18	Tour
100.	7/8	Visitors for Research Brief/Guest Lecture	2	Tour
101.	7/9	Visitors at Aquatic Visitor Center	193	Tour
102.	7/9	Visitors for South Bass Island Lighthouse Tour	20	Tour
103.	7/10	Northwest Ohio Girl Scouts/Defiance Adam Cassi	9	Field Trip
104.	7/10	Visitors at Aquatic Visitor Center	227	Tour
105.	7/10	Visitors for South Bass Island Lighthouse Tour	33	Tour
106.	7/13	Ohio Water Use Coalition Brian Barger	10	Conference
107.	7/14	Visitors for Gibraltar Island Eco-History Tour	10	Tour
108.	7/14	Visitors at Aquatic Visitor Center	406	Tour
109.	7/14	Visitors for South Bass Island Lighthouse Tour	39	Tour
110.	7/14	Kelleys Island Sea Camp (Science Group) Bob Horton	19	Field Trip
111.	7/14	Kelleys Island Sea Camp (Fishing Group) Bob Troutman	18	Tour
112.	7/15	Visitors at Aquatic Visitor Center	368	Tour
113.	7/15	Visitors for South Bass Island Lighthouse Tour	44	Tour
114.	7/15	Visitors for Research Brief/Guest Lecture	2	Tour
115.	7/16	Visitors at Aquatic Visitor Center	228	Tour
116.	7/16	Visitors for South Bass Island Lighthouse Tour	18	Tour
117.	7/16	Ohio Sea Grant Legislative Day Dr. Jeff Reutter	150	Conference
118.	7/17	Visitors at Aquatic Visitor Center	330	Tour
119.	7/17	Visitors for South Bass Island Lighthouse Tour	39	Tour
120.	7/20	Ohio Watershed Leadership Society Conf. Planning Team Jerry Iles and Matt Adkins	2	Tour

Table 32 – 2010

	Date	Group Name/City/Leader	No.	Description
121.	7/21	Visitors for Gibraltar Island Eco-History Tour	19	Tour
122.	7/21	Visitors at Aquatic Visitor Center	424	Tour
123.	7/21	Visitors for South Bass Island Lighthouse Tour	24	Tour
124.	7/22	Ohio Sea Grant Extension Agents Frank Lichtkoppler	10	Conference
125.	7/22	Visitors at Aquatic Visitor Center	363	Tour
126.	7/22	Visitors for South Bass Island Lighthouse Tours	28	Tour
127.	7/23	Visitors at Aquatic Visitor Center	115	Tour
128.	7/23	Visitors for South Bass Island Lighthouse Tour	18	Tour
129.	7/24	Visitors at Aquatic Visitor Center	333	Tour
130.	7/24	Visitors for South Bass Island Lighthouse Tour	43	Tour
131.	7/26	Zenacky Family/Port Clinton	6	Field Trip
132.	7/27	Toledo Zoo Summer Safari Peggy Coutcher	18	Field Trip
133.	7/28	Visitors for Gibraltar Island Eco-History Tour	19	Tour
134.	7/28	Visitors at Aquatic Visitor Center	279	Tour
135.	7/28	Visitors for South Bass Island Lighthouse Tour	58	Tour
136.	7/28	Put-in-Bay Nature Camp Lisa Brohl	25	Tour
137.	7/29	Visitors for Research Brief/Guest Lecture	2	Tour
138.	7/29	Visitors at Aquatic Visitor Center	600	Tour
139.	7/29	Visitors for South Bass Island Lighthouse Tour	49	Tour
140.	7/30	O.S.U. Lab Animal Protocol Inspection Team/ Columbus Dr. Valerie Bergdall	1	Tour
141.	7/30	Visitors at Aquatic Visitor Center	557	Tour
142.	7/30	Visitors for South Bass Island Lighthouse Tour	43	Tour
143.	7/31	Visitors at Aquatic Visitor Center	520	Tour
144.	7/31	Visitors for South Bass Island Lighthouse Tour	49	Tour

Table 32 – 2010

	Date	Group Name/City/Leader	No.	Description
145.	8/1	Friends of Stone Lab Board of Directors Lisa Bircher	9	Conference
146.	8/4	Visitors for Gibraltar Island Eco-History Tour	34	Tour
147.	8/4	Ottawa National Wildlife Refuge YCC Staff/Oak Harbor Sara Siekerski	8	Tour
148.	8/4	Grover Cleveland Middle School Gear Up Program/Zanesville Doug Divor	39	Field Trip
149.	8/4	Visitors at Aquatic Visitor Center	406	Tour
150.	8/4	Visitors for South Bass Island Lighthouse Tour	49	Tour
151.	8/5	Lake Co. 4-H Exchange Program/Painesville and Montana Donna Maruschak	41	Field Trip
152.	8/5	Visitors at Aquatic Visitor Center	376	Tour
153.	8/5	Visitors for South Bass Island Lighthouse Tour	35	Tour
154.	8/5	Visitors for Research Brief/Guest Lecture	6	Tour
155.	8/6	Lorain Co. Community College/Elyria Luz Santiago	11	Field Trip
156.	8/6	Visitors at Aquatic Visitor Center	381	Tour
157.	8/6	Visitors for South Bass Island Lighthouse Tour	46	Tour
158.	8/7	Visitors at Aquatic Visitor Center	588	Tour
159.	8/7	Visitors for South Bass Island Lighthouse Tour	57	Tour
160.	8/8	Stossel Family/Weston George Stossel	16	Tour
161.	8/11	Manor College/Jenkintown, PA Barbara Ozer	1	Tour
162.	8/11	Lake Erie Coastal Co. Commissioners and Mayors Day Dr. Jeff Reutter	47	Conference
163.	8/11	Visitors at Aquatic Visitor Center	364	Tour
164.	8/11	Visitor of South Bass Island Lighthouse Tour	20	Tour
165.	8/2	Ohio Coastal Resources Advisory Council/Sandusky John Watkins	20	Conference

Table 32 – 2010

	Date	Group Name/City/Leader	No.	Description
166.	8/12	Visitors at Aquatic Visitor Center	303	Tour
167.	8/12	Visitors for South Bass Island Lighthouse Tour	65	Tour
168.	8/12	Friends of Stone Lab Donor Dinner Dr. Jeff Reutter	25	Conference
169.	8/12	Visitors for Research Brief and Guest Lecture	17	Tour
170.	8/12- 13	Great Lakes Science Center/Cleveland Emily Fletcher	15	Field Trip
171.	8/13	Bio-Mimicry Conference Planner/Cleveland Victoria Avi	1	Tour
172.	8/13	Pat Aveni and Mary Yeri na/ Put-in-Bay and Columbus	2	Tour
173.	8/13	Visitors at Aquatic Visitor Center	390	Tour
174.	8/13	Visitors for South Bass Island Lighthouse Tour	43	Tour
175.	8/14	Visitors at Aquatic Visitor Center	388	Tour
176.	8/18	Visitors for Gibraltar Island Eco-History Tour	38	Tour
177.	8/18	Visitors at Aquatic Visitor Center	364	Tour
178.	8/18	Visitors for South Bass Island Lighthouse Tour	63	Tour
179.	8/19	Solar Panel Project Engineers Scotte Elliot	4	Tour
180.	8/19	O.S.U. Marion Campus Student Ambassadors Shari Petersen	10	Tour
181.	8/19	Visitors at Aquatic Visitor Center	338	Tour
182.	8/19	Visitors for South Bass Island Lighthouse Tour	32	Tour
183.	8/20	Visitors at Aquatic Visitor Center	320	Tour
184.	8/20	Visitors for South Bass Island Lighthouse Tour	43	Tour
185.	8/21	Visitors at Aquatic Visitor Center	402	Tour
186.	8/21	Visitors for South Bass Island Lighthouse Tour	2	Tour
187.	8/27	Western Reserve Conservancy Rich Cochran	28	Tour
188.	8/27- 28	O.S.U. Communicators/Columbus Jill Jentes	24	Conference

Table 32 – 2010

	Date	Group Name/City/Leader	No.	Description
189.	8/30-31	Ohio Watershed Leadership Society Jerry Iles	56	Conference
190.	8/31-9/1	Lake Ridge Academy/North Ridgeville Katherine Hatcher	21	Field Trip
191.	9/2-3	Dempsey Middle School/Delaware Deb Bogard	38	Field Trip
192.	9/7-8	Hilliard Station I Tim Wilson	49	Field Trip
193.	9/8-9	Hilliard Station II Tim Wilson	50	Field Trip
194.	9/9	O.S.U. Public Safety/Columbus Phil Camick	2	Tour
195.	9/9-10	Hilliard Station III Tim Wilson	49	Field Trip
196.	9/10	Paul Bradley and Lake Erie Coastal County Administrators	10	Conference
197.	9/10-12	Friends of Stone Lab Homecoming Lisa Bircher	35	Conference
198.	9/11	Friends of Stone Lab Annual Open House (Gibraltar) Dr. Jeff Reutter	1035	Tour
199.	9/11	Friends of Stone Lab Annual Open House (S.B. Lighthouse)	200	Tour
200.	9/11	Friends of Stone Lab Annual Open House (Hatchery)	388	Tour
201.	9/12	Friends of Stone Lab Board of Directors Tracy Meilander	14	Conference
202.	9/13	West Holmes High School/Millersburg Doug Mohr	15	Field Trip
203.	9/14	St. Jude School/Elyria Chrysa Muenchausen	43	Field Trip
204.	9/15-16	Hathaway Brown School/Shaker Heights Jay McNally	70	Field Trip
205.	9/17	Genoa Christian Academy/Westerville Jon Bosley	9	Field Trip
206.	9/17	Thad Gundrum/Plymouth Daryl Gundrum	2	Field Trip

Table 32 – 2010

	Date	Group Name/City/Leader	No.	Description
207.	9/17-18	Girl Scout Troop# 48609/Loveland Carolyn Slager	17	Field Trip
208.	9/23	International Ship Masters Association Skip Skuggen	28	Tour
209.	9/24	Lakota Middle School/Kansas Tom Rymers	35	Field Trip
210.	9/24	Lakota Middle School/Kansas Tom Rymers	17	Tour
211.	9/24-25	Granville Middle School Jeanna Giobannelli	26	Field Trip
212.	9/25	The Nature Conservancy/Columbus Carolyn Williams	10	Field Trip
213.	9/25	Boy Scout Troop #333/Hudson Joe Otiz	21	Tour
214.	9/27	O.S.U. Wood Co. Extension/Bowling Green Craig Everette	8	Field Trip
215.	9/27-28	Brecksville-Broadview Heights High School Louie Rundo	41	Field Trip
216.	9/28	Back to the Wild/Castalia Mona Rutger	7	Field Trip
217.	9/28-29	St. Boniface/Oak Harbor Brenda Brahier	15	Field Trip
218.	9/29	Journalist Tour Tom Henry	3	Tour
219.	9/29-10/1	Columbus School for Girls Ann Marie McDonnell	62	Field Trip
220.	10/1-3	Buckeye Island Hop Karen Jennings	26	Conference
221.	10/6-7	Kilbourne Middle School/Worthington Stephanie Richards	29	Field Trip
222.	10/8-9	Mt. Union College/Alliance Dr. Lin Wu	14	Field Trip
223.	10/9	Tri-Co. ESC/Wooster Diane Pool	7	Field Trip
224.	10/11-12	Jonathan Alder High School/Plain City Ann Holben	19	Field Trip

Table 32 – 2010

	Date	Group Name/City/Leader	No.	Description
225.	10/13-14	Rocky River Middle School David Opdycke	68	Field Trip
226.	10/15-17	O.S.U. Limnology Class/Columbus Dr. James Bauer	19	Field Trip
227.	10/20-21	Berwick I/Columbus April Sayler	40	Field Trip
228.	10/21-22	Berwick II/Columbus April Sayler	38	Field Trip
229.	12/8	Put-in-Bay Holiday Bazaar Valerie Mettler	100	Conference
230.	12/14	Black Swamp Conservancy Lisa Brohl	25	Conference
Field Trips, Conferences, and Tour Participants			19,592	TOTAL

TABLE 33

**Stone Laboratory Field Trips, Conferences, and Tours
2011**

	Date	Group Name/City/Leader	No.	Description
1.	4/15	Environmental Edu. Council of Ohio Carol Benner	13	Field Trip
2.	4/16 - 17	Friends of Stone Lab Tracey Meilander	53	Conference
3.	4/19	Woodlands Elementary/Huron Leah LaCrosse	68	Field Trip
4.	4/21	Toledo Islamic Academy/Toledo Nailam Elkhechen	16	Field Trip
5.	4/22	Science Fiction Writers Association/Columbus Charles Findlay	12	Tour
6.	4/23	Kent State University/Kent Darren Bade	14	Field Trip
7.	4/26 - 29	Bloom-Carrol, Liberty Union, Fairfield Union, Graham HS/Lancaster Diane Gabriel	50	Field Trip
8.	5/2 - 3	Hilliard Tharp I/Hilliard Cori Kindl	51	Field Trip
9.	5/3 - 4	Hilliard Tharp II/Hilliard Cori Kindl	51	Field Trip
10.	5/3	Elderhostel I Susan Byrnes	34	Field Trip
11.	5/4 - 5	Phoenix Middle School/Worthington Amanda Pettigrew	58	Field Trip
12.	5/5	St. Francis Assisi/Valley City Cindy Augustine	55	Tour
13.	5/6	Maumee High School/Maumee Brad Ballard	26	Field Trip
14.	5/9	St. Johns Jesuit High School/Toledo Bryon Borgelt	10	Field Trip
15.	5/9 - 10	Miamisburg Elementary/Miamisburg Terry Skudlarek	67	Field Trip
16.	5/10	Elderhostel II Susan Byrnes	34	Field Trip
17.	5/10 - 11	St Marys School/Clyde Deb Wilfong	9	Field Trip

Table 33 – 2011

	Date	Group Name/City/Leader	No.	Description
18.	5/11	Pemberville Elementary/Pemberville Jaren Long	68	Tour
19.	5/11	Danbury Middle School/Marblehead Sue Hartman	41	Field Trip
20.	5/11	Oregon City School/Oregon Robin Sneed	15	Field Trip
21.	5/11 - 12	Clintonville Academy/Columbus Michael Hoffer	33	Field Trip
22.	5/12	Holy Trinity/Valley City	79	Tour
23.	5/12 - 13	McCord Middle School/Worthington Dara Cripe	42	Field Trip
24.	5/13	Worthington Christian Middle School/Worthington Dick Dray	90	Tour
25.	5/16	All Saints Catholic School/Rossford Carol Gutierrez	33	Field Trip
26.	5/16 - 17	Sandy Valley High School/Magnolia Nicole Gordon-Coy	38	Field Trip
27.	5/17 - 18	Indianola Informal School/Columbus Jennifer Harvey	47	Field Trip
28.	5/18 - 19	Utica High School/Utica Frances O'Flaherty	16	Field Trip
29.	5/18 - 19	Mt. Vernon High School/Mt. Vernon Marcie Steen	32	Field Trip
30.	5/19	St. Dominic/Mentor Kyle Becker	37	Tour
31.	5/19 - 20	West Carrollton Elementary/West Carrollton Susan Baker	34	Field Trip
32.	5/19	Luckey Elementary/Pemberville Karen Long	75	Tour
33.	5/19 - 5/21	Eastern Michigan University/Ypsilanti, MI Katy Greenwald	9	Field Trip
34.	5/20 - 21	Milford Junior High/Milford Christine Bennett	68	Field Trip
35.	5/21	OSU Biological Scholars/Columbus Melissa Basford	12	Field Trip
36.	5/23 - 24	St. Marys Catholic School/Monroe, MI Melody Curtis	40	Field Trip

Table 33 – 2011

	Date	Group Name/City/Leader	No.	Description
37.	5/24	South Amherst Middle School/South Amherst Cindy Augustine	148	Tour
38.	5/24 - 26	Buckeye Valley Middle School/Delaware Amos Price	55	Field Trip
39.	5/25	Springfield High School/Springfield Mike Willets	14	Field Trip
40.	5/27	Buckeye Valley Middle School/Delaware Amos Price	55	Tour
41.	5/26 - 27	Erwine Middle School/Akron Jim Trogon	51	Field Trip
42.	5/26	Webster Elementary/Pemberville Karen Long	42	Tour
43.	5/27	Erwine Middle School/Akron Jim Trogon	51	Tour
44.	5/27	Gilmour Academy/Gates Mills Sarah Sheehan	36	Tour
45.	5/31 - 6/1	Gearity Developmental School/University Heights Joe Mendes	54	Field Trip
46.	6/2	Carroll Elementary School/Carroll Twp Heather Dewitz	12	Field Trip
47.	6/3	U.S. State Department/International Kay Raig	8	Tour
48.	6/3 - 4	Jackson Twp/Jackson Twp Steve Cindea	44	Field Trip
49.	6/6	Westside Montessori School/Toledo Mary Brandon	11	Field Trip
50.	6/6	Shadow Camryn Ossifin	1	Field Trip
51.	6/6	Elyria Community School/Elyria Arthea Adkins	20	Tour
52.	6/9	Whiteford Middle School/Ottawa Lake, MI Susan Bixley	90	Field Trip
53.	6/9	Lafayette School/West Bloomfield, MI Linda Sherr	31	Tour
54.	6/10	Oak Harbor Crossing Guards/Oak Harbor Chief Steve Weirich	83	Tour
55.	6/12 - 15	OSU Marion Teachers/Marion Bill Schmitt	11	Field Trip

Table 33 – 2011

	Date	Group Name/City/Leader	No.	Description
56.	6/16	University of Toledo, Lake Erie Center/Oregon Carol Stepien	24	Field Trip
57.	6/16	Visitors for Rearch Brief	2	Tour
58.	6/16	Visitors for Guest Lecture	9	Tour
59.	6/20	Visitors of SBILH	22	Tour
60.	6/20	Middle Bass Island Env. Adventure/Middle Bass Island Lisa Brohl	14	Field Trip
61.	6/21	Visitors of SBILH	43	Tour
62.	6/22	Visitors for GIB Is. Eco History	18	Tour
63.	6/22	AVC Visitors	145	Tour
64.	6/23	Nature Camp/Put-in-Bay Lisa Brohl	14	Tour
65.	6/23	AVC Visitors	161	Tour
66.	6/23	Visitors for Rearch Brief	2	Tour
67.	6/23	Visitors for Guest Lecture	2	Tour
68.	6/24	Lakewood High School/Lakewood Nima Zaaeed	18	Field Trip
69.	6/24	AVC Visitors	150	Tour
70.	6/25	AVC Visitors	209	Tour
71.	6/27	Visitors of SBILH	59	Tour
72.	6/28	Geauga/Portage Co. SWCD Teachers/Burton Gail Prunty	12	Field Trip
73.	6/28	Visitors of SBILH	42	Tour
74.	6/29	Middle Bass Island Env. Adventure/Middle Bass Island Lisa Brohl	13	Field Trip

Table 33 – 2011

	Date	Group Name/City/Leader	No.	Description
75.	6/29	Visitors for GIB Is. Eco History	13	Tour
76.	6/29	AVC Visitors	222	Tour
77.	6/30	Visitors for Rearch Brief	17	Tour
78.	6/30	Visitors for Guest Lecture	19	Tour
79.	6/30	AVC Visitors	185	Tour
80.	7/1	AVC Visitors	141	Tour
81.	7/2	AVC Visitors	223	Tour
82.	7/4	Visitors of SBILH	28	Tour
83.	7/5	Visitors of SBILH	51	Tour
84.	7/6	Visitors for GIB Is. Eco History	25	Tour
85.	7/6	AVC Visitors	441	Tour
86.	7/7	AVC Visitors	412	Tour
87.	7/7	Visitors for Rearch Brief	5	Tour
88.	7/7	Visitors for Guest Lecture	12	Tour
89.	7/8	AVC Visitors	375	Tour
90.	7/9	AVC Visitors	296	Tour
91.	7/11	Visitors for SBILH	38	Tour
92.	7/12	Kelleys Island 4-H Camp/Kelleys Island Bob Horton	18	Field Trip
93.	7/12	Visitors of SBILH	38	Tour

Table 33 – 2011

	Date	Group Name/City/Leader	No.	Description
94.	7/13	Visitors fof GIBIs. Eco History	28	Tour
95.	7/13	AVC Visitors	365	Tour
96.	7/13	PositivelyCleveland/Cleveland Jane Tougouma	4	Tour
97.	7/14	AVC Visitors	412	Tour
98.	7/15	AVC Visitors	375	Tour
99.	7/16	AVC Visitors	276	Tour
100.	7/18	Erie Co. Master Gardners	60	Field Trip
101.	7/18	Visitors for SBILH	23	Tour
102.	7/19	Visitors for SBILH	27	Tour
103.	7/20	Visitors for GIB Is. Eco History	37	Tour
104.	7/20	AVC Visitors	365	Tour
105.	7/21-23	Ohio Dept. of Education Anna Creswell	9	Field Trip
106.	7/21	OSU Safety/Columbus Phil Camrick	5	
107.	7/21	Goulden Family	6	Tour
108.	7/21	AVC Visitors	239	Tour
109.	7/22	AVC Visitors	307	Tour
110.	7/22	Gi rl Scout Group/Plumburrow, PA Karen Kazmarek	17	Tour
111.	7/23	AVC Visitors	202	Tour
112.	7/25	Visitors for SBILH	36	Tour

Table 33 – 2011

	Date	Group Name/City/Leader	No.	Description
113.	7/25	South Bass Island Adventure Camp/Put-in-Bay Lisa Brohl	14	Field Trip
114.	7/26	Visitors for GIB Is. Eco History	47	Tour
115.	7/26	Visitors for SBILH	45	Tour
116.	7/27	AVC Visitors	401	Tour
117.	7/28	Bay Village/BayVillage Rachel Hoffman	34	Field Trip
118.	7/28	AVC Visitors	382	Tour
119.	7/29	North Coast Estate Planning Nora Gallager	30	Tour
120.	7/29	AVC Visitors	285	Tour
121.	7/30	AVC Visitors	350	Tour
122.	8/1	Visitors for SBILH	69	Tour
123.	8/1	South Bass Island Adventure Camp/Put-in-Bay Lisa Brohl	30	Field Trip
124.	8/2	Visitors for SBILH	53	Tour
125.	8/2	Toledo Zoo Summer Safety/Toledo Peggy Coutcher	16	Field Trip
126.	8/3	Visitors for GIB Is. Eco History	35	Tour
127.	8/3	AVC Visitors	471	Tour
128.	8/3	Niagara Tour/Niagara Univ., NY Bill Edwards	21	Tour
129.	8/4	Great Lakes Science Cener/Cleveland Joyce Hinkle	13	Field Trip
130.	8/4	Legislature Day Jeff Reutter	100	Conference
131.	8/4	AVC Visitors	417	Tour

Table 33 – 2011

	Date	Group Name/City/Leader	No.	Description
132.	8/4	State Reps./Columbus Tim Dericson and Jeff McClain	4	Tour
133.	8/5	Andrew Groenwald, NOAA/Ann Arbor, MI	1	Tour
134.	8/5	AVC Visitors	407	Tour
135.	8/6	Heather Stewart + Guests/Columbus Heather Stewart	6	Tour
136.	8/6	AVC Visitors	458	Tour
137.	8/8	Visitors for SBILH	95	Tour
138.	8/9	Visitors for SBILH	20	Tour
139.	8/10	Visitors for GIB Is. Eco History	47	Tour
140.	8/10	AVC Visitors	523	Tour
141.	8/11	AVC Visitors	483	Tour
142.	8/12	AVC Visitors	408	Tour
143.	8/12	First Energy Group/Akron Joseph Spagnoulo	2	Tour
144.	8/13	AVC Visitors	445	Tour
145.	8/13	Sandusky Yacht Club/Sandusky	31	Tour
146.	8/13	Donor Dinner Jeff Reutter	40	Conference
147.	8/15	Visitors for SBILH	57	Tour
148.	8/16	Visitors for SBILH	62	Tour
149.	8/17	Visitors for GIB Is. Eco History	44	Tour
150.	8/17	AVC Visitors	399	Tour

Table 33 – 2011

	Date	Group Name/City/Leader	No.	Description
151.	8/18	Commissioner & Mayor Day/Ohio Jeff Reutter	45	Conference
152.	8/18	AVC Visitors	354	Tour
153.	8/19	County Commissioners Tour Jeff Reutter	45	Tour
154.	8/19	AVC Visitors	355	Tour
155.	8/19	Sandra Kurt - Summit County Councilor/Summit Co. Sandra Kurt	1	Tour
156.	8/20	Skipper Bud's Marina/Marblehead	24	Tour
157.	8/20	AVC Visitors	304	Tour
158.	8/22	Ottawa Co. SWCD/Oak Harbor Becky Simpson	38	Field Trip
159.	8/26	Brian Smith	1	Tour
160.	8/26	OSU Safety/Columbus Phil Camrick	5	Tour
161.	8/29	OSU Lima/Lima Beth Beehn	16	Field Trip
162.	8/30-31	Lake Ridge Academy/North Ridgeville Katherine Hatcher	24	Field Trip
163.	9/1	OSU Road Scholars/Columbus Robert McKenny	50	Tour
164.	9/6-7	Hilliard Station I/Hilliard Tim Wilson	42	Field Trip
165.	9/7-8	Hilliard Station II/Hilliard Tim Wilson	47	Field Trip
166.	9/8-9	Hilliard Station III/Hilliard Tim Wilson	45	Field Trip
167.	9/7	Hilliard Station I/Hilliard Tim Wilson	42	Tour
168.	9/8	Hilliard Station II/Hilliard Tim Wilson	47	Tour
169.	9/9	Hilliard Station III/Hilliard Tim Wilson	45	Tour

Table 33 – 2011

	Date	Group Name/City/Leader	No.	Description
170.	9/9	WPO Cleveland/Cleveland Jeffrey Ohlemacher	32	Tour
171.	9/9-11	Friends of Stone Lab Tracey Meilander	28	
172.	9/10	Friends of Stone Lab Open House - Gibraltar Is. Tracey Meilander	884	Tour
173.	9/10	Friends of Stone Lab Open House - South Bass Island Lighthouse Tracey Meilander	143	Tour
174.	9/10	AVC Visitors	615	Tour
175.	9/11	Friends of Stone Lab Board	8	Meeting
176.	9/12	CHECCS Home School Group/Hammondsville Tina Costarella	15	Field Trip
177.	9/13	CHECCS Home School Group/Hammondsville Tina Costarella	15	Tour
178.	9/12	Malvern Science Club/Malvern Dori Hess	10	Field Trip
179.	9/15	Toledo Christian School/Toledo Karen Ciesler	41	Field Trip
180.	9/16-17	OSU Communicators Retreat/Columbus Jill Jentes-Banicki	51	Field Trip
181.	9/19-20	Jonathan Alder M.S./Plain City Ann Holben	33	Field Trip
182.	9/19	West Holmes High School/Millersburg Phil Duerkesen	17	Field Trip
183.	9/20	Put-in-Bay Elderhostel Susan Byrnes	32	Field Trip
184.	9/20	Put-in-Bay Elderhostel Susan Byrnes	32	Tour
185.	9/20	Ohio Sea Grant Frank Lichkoppler	64	Field Trip
186.	9/21	NASA Group AVC Tour	8	Tour
187.	9/21	Lighthouse Keepers Assoc./York, PA Fran Jehrio	56	Conference
188.	9/21-22	Dempsey Middle School/Delaware Deb Boggart	39	Field Trip

Table 33 – 2011

	Date	Group Name/City/Leader	No.	Description
189.	9/22-23	St. Andrews School/Columbus Patricia Lubanovic	65	Field Trip
190.	9/23-24	Granville Intermediate School/Granville Jeanna Giovannelli	33	Field Trip
191.	9/26	Meadowlawn School I/Sandusky Melinda Sommers	55	Field Trip
192.	9/27	Meadowlawn School II/Sandusky Melinda Sommers	55	Field Trip
193.	9/28	St. Jude/Elyria Chrysa Muenchausen	51	Field Trip
194.	9/29-30	Put-in-Bay School/Put-in-Bay Amy Houston	10	Field Trip
195.	10/3	Brecksville-Broadview Hts. H.S./Brecksville Louie Rundo	45	Field Trip
196.	10/4-5	Rocky River Middle School/Rocky River Dave Opdke	52	Field Trip
197.	10/5	Ohio Assoc. of Nat. Res. Professionals/Columbus Marne Titchenell	36	Field Trip
198.	10/5	Ohio Assoc. of Nat. Res. Professionals/Columbus Marne Titchenell	36	Tour
199.	10/5-7	Columbus School for Girls/Columbus Anne Marie McDonald	51	Field Trip
200.	10/6	International Shipmasters Assoc. Russell Brohl	30	Conference
201.	10/7-9	Buckeye Island Hop Karen Jennings	43	Conference
202.	10/10	Erwine Advanced Plankton/Akron Jim Trogon	29	Field Trip
203.	10/11	Woodlands Middle School I/Huron Leah LaCrosse	68	Field Trip
204.	10/12	Woodlands Middle School II/Huron Leah LaCrosse	63	Field Trip
205.	10/13	Woodlands Middle School III/Huron Leah LaCrosse	63	Field Trip
206.	10/14-15	OSU Limnology/Columbus James Bauer	19	Field Trip
207.	10/18-19	Berwick Middle School I/Columbus Michael Aberth	36	Field Trip

Table 33 – 2011

	Date	Group Name/City/Leader	No.	Description
208.	10/19-20	Berwick Middle School II/Columbus Michael Aberth	35	Field Trip
209.	10/22	Bowling Green Univ./Bowling Green Chris Winslow	12	Field Trip
210.	12/6	OSU Lighthouse Open House & Christmas Bazaar/Put-in-Bay KristinStanford	175	Tour
		Total	19,618	

TABLE 34

**Stone Laboratory Field Trips, Conferences, and Tours
2012**

	Date	Group Name/City/Leader	No.	Description
1.	4/16	Newark Catholic High School/Newark Amy Vohsing	16	Field Trip
2.	4/20	University of Toledo-College Of Innovative Learning/Toledo Ann Krause	14	Field Trip
3.	4/20	Friends of Stone Lab Work Weekend/Columbus Jeff Reutter	69	Work Weekend
4.	4/25- 26	Hershey Montessori/Concord Township Sarah Tezloff	12	Field Trip
5.	4/26- 27	Progressive Academy/Lima Joel Steinmetz	27	Field Trip
6.	4/27- 28	Baldwin-Wallace College/Berea Karen Monroe	15	Field Trip, Research Bldg Tour
7.	4/27- 28	Village Academy/Powell Brent Jones	15	Field Trip
8.	4/29	Sea Scout Ship 41/Cleveland Richard Cash	12	Field Trip
9.	4/30- 5/1	Phoenix Middle School/Worthington Kara Smith	58	Field Trip
10.	5/1	Elderhostel Program PIB – Spring/Put-In-Bay Susan Byrnes	16	Field Trip
11.	5/2	Columbia Middle School/Columbia Station Cheryl Sobeck	85	Field Trip
12.	5/3-4	Sandusky Central Catholic School/Sandusky David McDowell	54	Field Trip
13.	5/4	Calvert Catholic High School/Tiffin Laura Sass	4	Field Trip
14.	5/4	Maumee High School/Maumee Brad Ballard	26	Field Trip
15.	5/5-6	Hawken School/Lyndhurst Anna Tuttle	14	Field Trip
16.	5/7	Worthington Christian Middle School/Worthington Troy McIntosh	49	Field Trip
17.	5/7-8	Hilliard Tharp Sixth Grade I/Hilliard Cori Kindle	51	Field Trip

Table 34 – 2012

	Date	Group Name/City/Leader	No.	Description
18.	5/8	Elderhostel Program PIB I – Spring/ Put-In-Bay Susan Byrnes	21	Lighthouse Tour
19.	5/8	Worthington Christian Middle School/Worthington Troy McIntosh	49	Field Trip
20.	5/8-9	Hilliard Tharp Sixth Grade II/Hilliard Cori Kindle	51	Field Trip
21.	5/9	Decolores Montessori Jr. High Farm School/Greenville Karen Heinrichs	23	Field Trip
22.	5/9	Oregon City G/T/Oregon Robin Sneed	13	Field Trip
23.	5/10- 11	Miamisburg Elementary/Miamisburg Terry Skudlarek	69	Field Trip
24.	5/11- 12	Marion Harding High School/Marion Bill Schmitt	26	Field Trip
25.	5/14	Meadowlawn I of II/Sandusky Melinda Sommers	75	Field Trip
26.	5/14	Nowak Tour & Travel, St. Peter & Paul School/Valley City Mike Jannazo	55	Gib Tour
27.	5/15	Clark School/Cleveland Cherri Franklin	77	AVC Tour
28.	5/15	Elderhostel Program PIB II – Spring/ Put-In-Bay Susan Byrnes	21	Field Trip
29.	5/15	Meadowlawn II of II/Sandusky Melinda Sommers	73	Field Trip
30.	5/16	Calvert Catholic Elementary School/Tiffin Sister Barbara Krakoa	73	AVC Tour
31.	5/16- 17	Worthington McCord Middle School/Columbus Dara Cripe	58	Field Trip, AVC Tour
32.	5/17	Eastwood Elementary/Pemberville Karen Long	43	Field Trip
33.	5/17	Erwine Middle School/Akron Jim Trogdon	46	AVC Tour
34.	5/17	Luckey Elementary School/Pemberville Karen Long	46	AVC Tour
35.	5/17- 18	Anthony Wayne High School/Whitehouse Julie Blakely	17	Field Trip
36.	5/18	Immaculate Conception/Bellevue Darlene DeBlaze	44	Field Trip

Table 34 – 2012

	Date	Group Name/City/Leader	No.	Description
37.	5/18-19	Malvern Science Club/Malvern Dori Hess	42	Field Trip
38.	5/21	Carroll Elemenatry 4th Grade/Oak Harbor Becky Simpson	18	Field Trip
39.	5/21	Carroll Elemenatry 3rd Grade/Oak Harbor Becky Simpson	50	AVC Tour
40.	5/21-22	St. Mary Catholic School/Monroe Melody Curtis	42	Field Trip
41.	5/22	Nowak Tour & Travel, St. Thomas More/Valley City Mike Jannazo	36	Gib Tour
42.	5/22	Norwalk Catholic School/Norwalk Bruce Notestine	57	AVC Tour
43.	5/22-23	West Carrollton Schools /West Carrollton Cathy Barter	30	Field Trip
44.	5/23	Danbury Middle School/Marblehead Adam Steinbrick	58	Field Trip
45.	5/23	Nowak Tour & Travel, South Amherst Jr. High School/Valley City Mike Jannazo	147	Gib Tour
46.	5/24	Erwine Middle School/Akron Jim Trogdon	46	AVC Tour
47.	5/24	Pemberville Elementary/Pemberville Karen	46	AVC Tour
48.	5/24-26	Eastern Michigan University/Ypsilanti, MI Katy Greenwald	11	Field Trip, Research Bldg Tour
49.	5/25	Marietta Middle School/Marietta Kim Depue	68	Field Trip
50.	5/29-30	Gearity Professional Development School/Univ Heights Jone Mendes	68	Field Trip
51.	5/30	Whiteford Middle School/Ottawa Lake, MI Susan Bixler	68	Field Trip
52.	5/30-31	Ruffing Montessori/Cleveland Heights Lisa Simoneau	45	Field Trip
53.	6/1	Bellefontaine High School/Bellefontaine Dennis Versele	18	Field Trip
54.	6/1	Summit Academy /Lorain Melissa Wagner	148	AVC Tour

	Date	Group Name/City/Leader	No.	Description
55.	6/1-2	Jackson Twp Police Dept./Massillon Officer Cindea	29	Field Trip
56.	6/2	Boy Scout Troup 586/Ashland Sue Kelly	29	Field Trip
57.	6/4-6	Buckeye Valley M.S./Delaware Amos Price	49	Field Trip
58.	6/5	Nowak Tour & Travel, Northwood Jr. High School/Valley City Cindy Augustine	85	Gib Tour
59.	6/6	Buckeye Valley M.S./Delaware Amos Price	49	AVC Tour
60.	6/6	The Lake Erie Commission/Sandusky Gail Hess	30	Conference, Gib Tour, Research Bldg Tour, AVC Tour
61.	6/8	First United Methodist Church/Springfield James Rogers	25	Field Trip
62.	6/8	Oak Harbor Crossing Guards/Oak Harbor	98	AVC Tour
63.	6/9	Bay Area Divers/Bayview Bob Vincent	12	Gib Tour
64.	6/12	Western Lake Erie Basin Partnership/Lima Steve Davis	49	Conference, Gib Tour, Field Trip
65.	6/13	4-H Firelands/Marblehead Shanny O'Rourke-Scherf	15	AVC Tour
66.	6/16	Outdoor Science Writers/Columbus Jeff Reutter	23	Conference, AVC Tour, Gib Tour, Research Bldg Tour, Lighthouse Tour
67.	6/18	South Bass Island Lighthouse Monday & Tuesday Tours/Put- In-Bay Kevin Hart	38	Lighthouse Tour
68.	6/20	Stone Laboratory Gibraltar Island Wednesday Tour/ Put-In-Bay Kevin Hart	29	Gib Tour
69.	6/22	OSU Presidents Club I of II/Columbus Cheryl Sefchick	69	Conference, AVC Tour, Gib Tour, Field Trip, Research Bldg Tour, Lighthouse Tour

Table 34 – 2012

	Date	Group Name/City/Leader	No.	Description
70.	6/23	OSU Presidents Club II of II/Columbus Cheryl Sefchick	63	Conference, Gib Tour, Field Trip, Research Bldg Tour, Lighthouse Tour, AVC Tour
71.	6/25	South Bass Island Lighthouse Monday & Tuesday Tours/ Put-In-Bay Kevin Hart	25	Lighthouse Tour
72.	6/27	OSU Extension Community Development/Painsville Frank Lichtkoppler	17	Conference, AVC Tour, Gib Tour, Field Trip, Research Bldg Tour, Lighthouse Tour
73.	6/27	Middle Bass Environmental Adventure Camp/Middle Bass Lisa Brohl	18	Field Trip
74.	6/27	Stone Laboratory Gibraltar Island Wednesday Tour/ Put-In- Bay Kevin Hart	17	Gib Tour
75.	7/2	South Bass Island Lighthouse Monday & Tuesday Tours/ Put-In-Bay Kevin Hart	82	Lighthouse Tour
76.	7/3	South Bass Island Lighthouse Monday & Tuesday Tours/ Put-In-Bay Kevin Hart	25	Lighthouse Tour
77.	7/5	Harmful Algal Blooms in Lake Erie Webinar/Columbus Jeff Reutter	12	Conference
78.	7/6	V.P. of Government Affairs/Columbus Jack Hershey	5	Gib Tour
79.	7/9	South Bass Island Lighthouse Monday & Tuesday Tours/ Put-In-Bay Kevin Hart	59	Lighthouse Tour
80.	7/11	Stone Laboratory Gibraltar Island Wednesday Tour/ Put-In- Bay Kevin Hart	18	Gib Tour
81.	7/13	Lonz Foundation/Columbus John Coppeler	5	Field Trip
82.	7/15	Ohio 4-H Sea Camp/Columbus Bob Horton	17	Field Trip
83.	7/17	Toledo Zoo/Toledo Peggy Coutcher	14	AVC Tour
84.	7/18	Sarah Jaquay	2	Gib Tour

	Date	Group Name/City/Leader	No.	Description
85.	7/18	Stone Laboratory Gibraltar Island Wednesday Tour/ Put-In-Bay Kevin Hart	22	Gib Tour
86.	7/18	WBGU TV Shool/Bowling Green Jaqueline Nelson	2	Gib Tour
87.	7/24	South Bass Island Lighthouse Monday & Tuesday Tours/ Put-In-Bay Kevin hart	45	Lighthouse Tour
88.	7/25	Stone Laboratory Gibraltar Island Wednesday Tour/ Put-In-Bay Kevin Hart	16	Gib Tour
89.	7/26	Columbus Metro Parks/Westerville Lou Thalheimer	17	Gib Tour
90.	7/26	Toledo/Brian Barger	1	Gib Tour
91.	7/26	NRCS - Site Visit/Lima Steve Davis	3	Gib Tour
92.	7/27	Middle Bass Island Men's Club/Alliance Ernie Hisey	18	Field Trip
93.	7/30	South Bass Island Lighthouse Monday & Tuesday Tours/ Put-In-Bay Kevin Hart	29	Lighthouse Tour
94.	7/31	South Bass Island Lighthouse Monday & Tuesday Tours/ Put-In-Bay Kevin Hart	31	Lighthouse Tour
95.	8/1	Stone Laboratory Gibraltar Island Wednesday Tour/ Put-In-Bay Kevin Hart	33	Gib Tour
96.	8/3	Lakeside Environmental Stewardship Society/Lakeside Bill Smith	12	Gib Tour
97.	8/6	South Bass Island Lighthouse Monday & Tuesday Tours/ Put-In-Bay Kevin Hart	39	Lighthouse Tour
98.	8/7	South Bass Island Lighthouse Monday & Tuesday Tours/ Put-In-Bay Kevin Hart	72	Lighthouse Tour
99.	8/6-7	Facilities Operation and Development - Design & Construction/Columbus Kevin Hart	1	Facilities Tour
100.	8/7-8	Great Lakes Science Center /Cleveland Audrey Wilson	17	Field Trip
101.	8/8	Wood County SWCD/Bowling Green Nicki Kale	20	Field Trip

Table 34 – 2012

	Date	Group Name/City/Leader	No.	Description
102.	8/8	Stone Laboratory Gibraltar Island Wednesday Tour/ Put-In-Bay Kevin Hart	36	Gib Tour
103.	8/13	South Bass Island Lighthouse Monday & Tuesday Tours/ Put-In-Bay Kevin Hart	30	Lighthouse Tour
104.	8/14	South Bass Island Lighthouse Monday & Tuesday Tours/ Put-In-Bay Kevin Hart	48	Lighthouse Tour
105.	8/15	Bay Village Middle School/Bay Village Rachel Joyce	16	Field Trip
106.	8/15	Stone Laboratory Gibraltar Island Wednesday Tour/ Put-In-Bay Kevin Hart	37	Gib Tour
107.	8/17-19	Ohio Bird Sanctuary - Junior Naturalists/Mansfield Jan Farrell	13	Field Trip
108.	8/18	Aquatic Visitors Center Fishing Tournament/ Put-In-Bay Shane Anderson	12	AVC Tour
109.	8/20-21	Science Writers Workshop/Columbus Jeff Reutter	23	Conference, Field Trip, AVC Tour, Gib Tour
110.	8/22	Ohio Environmental Council Farm/Lake Tour/Columbus Kristy Meyer	23	Field Trip
111.	8/23	Charter Boat Captains Presentation/Castalia Don Lowther	15	Conference, Field Trip, Gib Tour
112.	8/24	Coastal Co. Commissioner, Mayor and Decision Makers Day/Columbus Jeff Reutter	50	Conference, Field Trip, AVC Tour, Gib Tour, Research Bldg Tour, Lighthouse Tour
113.	8/25	Donor Dinner/Columbus Jeff Reutter	37	Conference, AVC Tour. Gib Tour. Lighthouse Tour
114.	8/29	PBS Crew from WBGU Scenic Stops Television Show/Bowling Green Jacqueline Nelson	2	Field Trip, Research Bldg Tour
115.	8/29	NRCS - Ohio Conference/Lima Steve Davis	30	Conference, Field Trip, Gib Tour
116.	8/29-30	Lake Ridge Academy/North Ridgeville David Harris	29	Field Trip

Table 34 – 2012

	Date	Group Name/City/Leader	No.	Description
117.	9/4-5	Hilliard Station I /Hilliard Tim Wilson	40	Field Trip, AVC Tour
118.	9/5-6	Hilliard Station II /Hilliard Tim Wilson	40	Field Trip, AVC Tour
119.	9/6-7	Hilliard Station III/Hilliard Tim Wilson	37	Field Trip, AVC Tour
120.	9/6-7	Ohio Environmental Leaders Institute/Columbus Joe Bonnell	20	Conference
121.	9/7	University of Toledo/Oregon Thomas Bridgeman	12	Field Trip Research Bldg Tour
122.	9/7-9	Friends of Stone Lab Annual Open House Volunteers/Columbus Jeff Reutter	45	Open House
123.	9/8	Friends of Stone Lab Annual Open House Gibraltar Is. Visitors/Columbus Jeff Reutter	750	Gib Tour
124.	9/8	Friends of Stone Lab Annual Open House Lighthouse Visitors/Columbus Jeff Reutter	150	Lighthouse Tour
125.	9/8	Friends of Stone Lab Annual Open House AVC Visitors/Columbus Jeff Reutter	380	AVC Tour
126.	9/11	Elderhostel Program PIB I – Fall/ Put-In-Bay Susan Byrnes	32	Field Trip, AVC Tour
127.	9/11	Ohio Certified Volunteer Naturalists/Toledo Lee Richter	25	Field Trip
128.	9/13- 14	Communicators "Retreat on the Rock"/Columbus Jill Jentes-Banicki	61	Conference, Field Trip, Gib Tour, Lighthouse Tour
129.	9/14- 15	Baldwin-Wallace College/Berea Tyler Lawson	15	Field Trip
130.	9/17	West Holmes H.S./Millersburg Jessi Spittler	17	Field Trip
131.	9/18	Elderhostel Program PIB II - Fall/ Put-In-Bay Susan Byrnes	33	Field Trip
132.	9/18	Elderhostel Program PIB II – Fall/ Put-In-Bay Susan Byrnes	33	AVC Tour
133.	9/18	St. Jude School/Elyria Chrysa Muenchausen	41	Field Trip
134.	9/18- 19	St. Boniface School/Oak Harbor Brenda Brahier	15	Field Trip

	Date	Group Name/City/Leader	No.	Description
135.	9/19	Shiloh Café/Parma Jeana Mickewright	48	Field Trip
136.	9/19- 20	Solomon Lutheran School/Woodville Natalie Schiets	13	Field Trip
137.	9/20- 21	The Nature Conservancy/Dublin Sara Madenwald	60	Conference, Field Trip, Gib Tour, Lighthouse Tour
138.	9/20- 21	Director of NOAA's Great Lakes Environmental Research Lab/Ann Arbor, MI Marie Colton	2	Gib Tour
139.	9/21- 22	Granville Intermediate School/Granville Jeanna Giovannelli	22	Field Trip
140.	9/25	Woodlands Intermediate School – I/Huron Leah LaCrosse	68	Field Trip
141.	9/26	Woodlands Intermediate School – II/Huron Leah LaCrosse	50	Field Trip
142.	9/27- 28	St. Andrews/Columbus Patricia Lubanovic	61	Field Trip
143.	10/1-2	Brecksville High School/Broadview Heights Louie Rundo	61	Field Trip
144.	10/3	OSU School of Environment & Nat Res – EcoSummit/Columbus M. Lynn McCready	17	Field Trip, AVC Tour, Research Bldg Tour
145.	10/3-5	Columbus School for Girls/Columbus Ann Marie McDonnell	45	Field Trip
146.	10/5	St. Mary of the Falls/Olmsted Falls Jillian Fossa	66	Field Trip
147.	10/5-6	Mount Union College/Alliance Lin Wu	19	Field Trip
148.	10/8	Northridge High School/Johnstown Todd Jervey	26	Field Trip
149.	10/10- 11	Kilbourne Middle School/Worthington Stephanie Records	53	Field Trip
150.	10/11- 12	Toledo Christian School/Toledo Kelli Mewborn	36	Field Trip
151.	10/12	NEOEA Day/ Put-In-Bay Kristin Stanford	15	Field Trip
152.	10/12	Sandusky County Commissioners Day/Sandusky Diedre Cole	19	Conference, Field Trip, AVC Tour,

Table 34 – 2012

	Date	Group Name/City/Leader	No.	Description
				Gib Tour, Research Bldg Tour, Lighthouse Tour
153.	10/16	OSU ATI/Wooster Russ Yoder	16	Field Trip
154.	10/17- 18	Berwick K-7 School/Columbus Michael Aberth	54	Field Trip
155.	10/18- 19	Rocky River/Rocky River Dave Opdycke	76	Field Trip
156.	10/23- 24	Akiva Academy/Youngstown Kathy Mioni	13	Field Trip
157.	6/20- 8/18	* <i>estimated</i> AVC - Wed, Thurs, Fri and Sat Tours/ Put-In-Bay Shane Anderson	9977	AVC Tour
		Field Trips, Conferences, and Tour Participants	16765	TOTAL

TABLE 35

**Stone Laboratory Field Trips, Conferences, and Tours
2013**

	Date	Group Name/City/Leader	No.	Description
1.	4/19-20	Friends of Stone Lab Work Weekend/ Columbus Jeff Reutter	65	Conference
2.	4/20	Ohio Museum Association/ Columbus Johnna McEnpee	14	Tour
3.	4/23-26	Graham High School/ West Liberty Alycia Brehm	58	Field Trip
4.	4/27-28	Worthington Pathfinders/ Worthington Kevin Sciulli	9	Field Trip
5.	4/29	Heartland Christian Academy/ Columbiana Fred Lamb	28	AVC Tour Tour
6.	4/29	Newark Catholic H.S./ Newark Amy Vohsing	18	Field Trip
7.	4/29-30	Hilliard Tharp I/ Hilliard Cori Kindl	53	Field Trip
8.	4/30-5/1	Hilliard Tharp II/ Hilliard Cori Kindl	52	Field Trip
9.	4/30	Road Scholars I/ Put-in-Bay Susan Byrnes	28	Tour
10.	5/1 - 2	Sandusky Central Catholic School/ Sandusky Jessica Lewis	45	Field Trip
11.	5/2	Nowak Tour & Travel , Holy Trinity/ Valley City Cindy Augstine	130	Tour
12.	5/2 - 3	Lima Senior Progressive Academy/ Lima Joel Steimetz	33	Field Trip
13.	5/3	Outdoor Writers/ Bowling Green John Hageman	36	Conference Field Trip Tour
14.	5/3 - 4	Baldwin Wallace College/ Berea Tyler Lawson	12	Field Trip
15.	5/3 - 4	Marion Harding High School/ Marion Scott Cameron	31	Field Trip
16.	5/6 - 7	Phoenix Middle School/ Worthington Kara Smith	56	Field Trip
17.	5/7	Road Scholars II/ Put-in-Bay Susan Byrnes	28	Tour

Table 35 – 2013

18.	5/7 - 8	Menlo Park Academy/ Cleveland Susan Byrnes	23	Field Trip
19.	5/8	North Central Ohio Educational Service Center/ Tiffin Kathleen Mohr	12	Field Trip
20.	5/8 - 9	Lorain Community Middle School/Lorain Melanie Dunstan	14	Field Trip AVC Adventure
21.	5/9 - 10	Worthington McCord MS/ Columbus Dara Cripe	53	Field Trip
22.	5/10- 11	Circleville High School/ Circleville Gwen Minor	14	Field Trip
23.	5/10- 11	Village Academy/ Powell Brent Jones	28	Field Trip
24.	5/11- 12	After-School All stars/ Columbus Amber Harris	21	Field Trip
25.	5/13	Road Scholars/ Put-in-Bay Susan Byrnes	30	Tour
26.	5/13- 14	Miamisburg Challengers/ Miamisburg Terry Skudlarek	45	Field Trip
27.	5/14	Road Scholars III/ Put-in-Bay Susan Byrnes	11	Field Trip AVC Tour
28.	5/15	Oregon City Schools/ Oregon Robin Sneed	17	Field Trip
29.	5/15- 16	West Carrollton Schools/ West Carrollton Cathy Barter	30	Field Trip
30.	5/16	Columbia Local Schools I/ Columbia Station Cheryl Sobek	50	Field Trip
31.	5/16	Pemberville Elm/ Pemberville Karen Long	124	AVC Tour Fishing
32.	5/16- 18	Eastern Michigan Univ./ Ypsilanti Katie Greenwald	12	Field Trip
33.	5/17	Columbia Local Schools II/ Columbia Station Cheryl Sobek	47	Field Trip
34.	5/17	Coventry Middle School I/ Akron Jim Trogdon	42	AVC Tour Fishing
35.	5/17	Maumee High School/ Whitehouse Brad Ballard	31	Field Trip
36.	5/17	Shadow for the day, Sarah Speer/ Whitehouse Kevin Hart	1	Field Trip

Table 35 – 2013

37.	5/18	Ready Set Wear It/ Sandusky Sarah Orlando	18	AVC Tour
38.	5/20	Meadowlawn Traditional I/ Sandusky Kaitlin Griffing	65	Field Trip
39.	5/21	Meadowlawn Traditional II/ Sandusky Kaitlin Griffing	64	Field Trip
40.	5/21	South Suburban Montessori Middle School/ Brecksville Brooke Grill	6	AVC Tour Fishing
41.	5/22	Nowak Tour & Travel , South Amherst/ Valley City Cindy Augstine	151	Tour
42.	5/22- 23	Canton Country Day School/ Canton Brain Bortz	23	Field Trip
43.	5/23	Cleveland Heights High School/ Cleveland Melissa Kowalski	29	Field Trip
44.	5/23	Luckey Elementary Karen Long	80	AVC Tour Fishing
45.	5/23	Clintonville Academy/ Columbus Michael Hoffer	24	Field Trip
46.	5/24	Coventry Middle School II/ Akron Jim Trogdon	42	AVC Tour Fishing
47.	6/25	OSU College of Food, Ag & Bio Engineering/ Columbus	45	Conference
48.	5/28	Phoenix Academy/ Toledo C.J. Washington	16	Field Trip
49.	5/28- 29	Gearity School/ University Heights Joe Mendes	59	Field Trip
50.	5/29- 30	Buckeye Valley Middle School/ Waldo Amos Price	54	Field Trip AVC Tour
51.	5/30	Chesweick Christian Academy/ Cheswick Chick Thompson	12	Field Trip AVC Adventure
52.	5/30	Island Transportation, Bethel Christian/ Parma Carolyn Miller	40	AVC Tour Fishing
53.	5/30	Kleberg Family Tour/ Westerville John Kleberg	6	Tour
54.	5/30	P-i-B Transportation, Bethel Christian/ Put-in-Bay Carolyn Miller	40	AVC Tour Fishing
55.	5/30	Recreational & Educational Tours, Inc./ Mentor Kyle Becker	44	AVC Tour Fishing

Table 35 – 2013

56.	5/31	Whiteford Middle School/ Ottawa Lake Elena Dotson	60	Field Trip
57.	6/1- 10/19	Northern Illinois University/ DeKalb, IL Lizzy Mack	1	Researcher
58.	6/2 - 4	USDA Conference/ Columbus Richard Moore	14	Conference Field Trip Tour
59.	6/3	West Side Montessori/ Toledo Mary Bradon	12	Field Trip
60.	6/4	Nowak Tour & Travel, Northwood/ Valley City Cindy Augstine	68	Tour
61.	6/5	Liberty Benton Elementary/ Findlay Brian Niemeyer	34	Field Trip
62.	6/5 - 7	Ohio EPA - RAT Training/ Columbus Jim Mehl	23	Conference Field Trip Tour
63.	6/6	Ohio Crossing Guards/ Oak Harbor Chief Weirich	48	AVC Tour Fishing
64.	6/6 - 8	Great Lakes Stewardship/ Washington, DC Glen Odenbrett	16	Conference Tour
65.	6/8	Bay Area Divers/ Bayview Bob Vincent	20	Tour
66.	6/9	Stone Laboratory Gibraltar Island Weds. Tours/ Gibraltar Island Sue Bixler	16	Tour
67.	6/10	Girl Scouts of NW Ohio/ Macedonia Debbie Kroupa	30	Field Trip AVC Adventure
68.	6/17	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	23	Tour
69.	6/18	Environmental Adventure Camp Lisa Brohl	17	Field Trip AVC Adventure
70.	6/18	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	28	Lighthouse Tour
71.	6/19	Environmental Adventure Camp Lisa Brohl	26	Tour
72.	6/19	Lakewood High School/ Lakewood Ni ma Zaaeed	19	Field Trip
73.	6/21	OSU Presidents Club/ Columbus Cheryl Sefchick	43	Tours
74.	6/23	International Society for Farm and Safety Health/ Columbus Dee Jepson	130	Tour

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75.	6/24	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	67	Tour
76.	6/25	Environmental Adventure Camp Lisa Brohl	22	Field Trip AVC Adventure
77.	6/25	Gannon University/ Erie Barry Brinkman	29	Field Trip AVC Adventure
78.	6/25	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	39	Lighthouse Tour
79.	6/36	Stone Laboratory Gibraltar Island Weds. Tours/ Gibraltar Island Sue Bixler	11	Tour
80.	6/29	Ohio Bird Sanctuary/ Mansfield Jan Ferrel	21	Field Trip
81.	7/1	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	34	Tour
82.	7/2	HABS Press Conference/ Columbus Jill Jentes-Banicki	20	Conference
83.	7/2	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	44	Tour
84.	7/3	Stone Laboratory Gibraltar Island Weds. Tours/ Gibraltar Island Sue Bixler	8	Tour
85.	7/8	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	45	Tour
86.	7/9	Environmental Adventure Camp Lisa Brohl	62	AVC Tour Fishing
87.	7/9	Ohio Land Improvement Contractors Assoc./ Marion. Mark Wilson	12	Conference
88.	7/9	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	40	Tour
89.	7/10	Ottawa County Advisory Board/ Port Clinton Christine Galvin	15	Tour
90.	7/10	Stone Laboratory Gibraltar Island Weds. Tours/ Gibraltar Island Sue Bixler	8	Tour
91.	7/13	OSU Coll of Food, Ag & Bio Engineering, Aveni Event/ Columbus William Smiley	45	Conference Field Trip Tour
92.	7/15	Environmental Adventure Camp Lisa Brohl	12	Field Trip AVC Adventure
93.	7/15	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	75	Tour

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94.	7/16	Bay Middle School/Bay Village Rachel Joyce	37	Field Trip AVC Adventure
95.	7/16	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	99	Tour
96.	7/17	Perry's Monument Staff/ Put-in-Bay Eva Marie Morris	4	Field Trip AVC Adventure
97.	7/17	Sea Camp -4H/ Oak Harbor Kathy Booher	20	Field Trip AVC Adventure
98.	7/17	Stone Laboratory Gibraltar Island Weds. Tours/ Gibraltar Island Sue Bixler	38	Tour
99.	7/22	Environmental Adventure Camp Lisa Brohl	19	Field Trip AVC Adventure
100.	7/22	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	59	Tour
101.	7/23	Elgin High School/ Elgin Richard Towry	54	Field Trip AVC Adventure
102.	7/23	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	72	Tour
103.	7/24	Environmental Adventure Camp Lisa Brohl	22	Tour
104.	7/24	Stone Laboratory Gibraltar Island Weds. Tours/ Gibraltar Island Sue Bixler	19	Tour
105.	7/29	Lorain County Community College/ Elyria Luz Santiago	14	Field Trip
106.	7/29	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	58	Tour
107.	7/30	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	144	Tour
108.	7/31	Stone Laboratory Gibraltar Island Weds. Tours/ Gibraltar Island Sue Bixler	34	Tour
109.	8/2	North West Ohio Water Environment Assoc./ Toledo Brad Lowery	65	Conference Tour
110.	8/2	Ohio Farm Bureau/ Columbus Michele Specht	32	Conference Field Trip Tour
111.	8/5	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	45	Tour
112.	8/6	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	74	Tour

Table 35 – 2013

113.	8/7	Sandusky River Watershed Coalition/ Fremont Cindy Brookes	17	Conference Field Trip Tour
114.	8/7	Stone Laboratory Gibraltar Island Weds. Tours/ Gibraltar Island Sue Bixler	32	Tour
115.	8/8	Coastal Management/ Sandusky Amy Plunkett	20	Conference
116.	8/12	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	63	Tour
117.	8/13	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-in-Bay Kevin Hart	45	Tour
118.	8/13	Toledo Blade/ Toledo Matt Markey	1	Tours
119.	8/14	Stone Laboratory Gibraltar Island Weds. Tours/ Gibraltar Island Sue Bixler	68	Tour
120.	8/16	Coastal County Commissioners Day/ Columbus Jeff Reutter	82	Conference Field Trip Tour
121.	8/19	Friends of Pipe Creek Kathie Muller	20	Conference Field Trip Tour
122.	8/22- 24	Lenawee Conservation District – WELB/ Manitou Beach, MI Amy Gilhouse	36	Conference Field Trip Tour
123.	8/26- 27	Science & Outdoor Writers/Reports/ Columbus Jeff Reutter	29	Conference Field Trip Tour
124.	8/27- 28	Lake Ridge Academy/ North Ridgeville Katherine Hatcher	22	Field Trip
125.	8/30	Niewenhuis, Loreen Loreen Niewenhuis	1	Tours
126.	6/4- 8/30	Aquatic Visitor Center Public Tours	18509	Tours
127.	9/1 - 2	Stone Laboratory Donor Event/ Columbus Jeff Reutter	37	Conference
128.	9/4 - 5	Miamisburg High School/ Dayton Joe Beringer	22	Field Trip
129.	9/4 – 7	Aquatic Visitor Center Public Tours	1614	Tours
130.	9/6 - 8	Friends of Stone Lab Open House Volunteers/ Columbus Jeff Reutter	47	Conference

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131.	9/7	Friends of Stone Lab Gibraltar Open House/ Columbus Jeff Reutter	900	Tour
132.	9/7	Friends of Stone Lab Lighthouse Open House/ Columbus Jeff Reutter	575	Tour
133.	9/7	Friends of Stone Lab Aquatic Visitor Center/ Columbus Jeff Reutter	1200	AVC Tour
134.	9/8	Friends of Stone Lab Board Meeting/ Columbus Sheila Lewicki	18	Conference
135.	9/9	OSU OARDC Food & Animal Safety/ Wooster Jeff LeJeune	25	Conference Field Trip Tour
136.	9/9	Perry Family Tour	28	Tour
137.	9/10- 11	Hilliard Station I/ Hilliard Tim Wilson	39	Field Trip
138.	9/11	Road Scholars IV/ Put-in-Bay Susan Byrnes	29	Tour
139.	9/11- 12	Hilliard Station II/ Hilliard Tim Wilson	41	Field Trip
140.	9/12- 13	Hilliard Station III/ Hilliard Tim Wilson	41	Field Trip
141.	9/13	OSU Presidents Club/ Columbus Cheryl Sefchick	43	Tours
142.	9/13	U.S. Lighthouse Society/ Hansville Judy Newblom	41	Tour
143.	9/13	Granville Intermediate School/ Granville Jeanna Gionvannelli	34	Field Trip
144.	9/13-14	OSU Limnology/ Columbus James Baur	24	Field Trip
145.	9/16	Road Scholars/ Put-in-Bay Susan Byrnes	25	Field Trip AVC Tour Tour
146.	9/16	West Holmes High School/ Millersburg Jessi Spitler	17	Field Trip
147.	9/16	Put-in-Bay School/ Put-in-Bay Lianne Genzman	11	Field Trip AVC Adventure
148.	9/17	Great Lakes Fishery Commission/ Ann Arbor, MI Julie Hinderer	5	Conference
149.	9/17	Road Scholars V/ Put-in-Bay Susan Byrnes	22	Field Trip AVC Tour Conference

Table 35 – 2013

150.	9/19-20	OSU Communications Retreat/ Columbus Jill Jentes-Banicki	36	Conference Field Trip Tour AVC Tour
151.	9/20	Agriculture Retailers LE Awareness Tour/ Fort Wayne, IN Greg Lake	50	Conference Field Trip Tour AVC Tour
152.	9/20-21	Baldwin Wallace College/ Berea Tyler Lawson	15	Field Trip
153.	9/23-24	Brecksville Broadview Heights H.S./ Broadview Heights Louie Rundo	59	Field Trip
154.	9/23-24	National Sea Grant Advisory Board/ Silver Spring, MD Jennifer Maggio	17	Conference
155.	9/24	St. Jude School/ Elyria Chrysa Muenchausen	47	Field Trip
156.	9/25-26	ChecCs Homeschool Group/ Hammondsville Tina Costarella	17	Field Trip
157.	9/25-26	Penn State/ University Park Karen Lutsky	15	Field Trip
158.	9/26-27	St. Andrew School/ Columbus Patricia Lubanovic	40	Field Trip
159.	9/26-27	Vermilion High School/ Vermilion Rebecca Jessen	12	Field Trip
160.	9/27-29	Crites Students Reunion/ Chapel Hill, NC Verna Holoman	28	Conference Tour
161.	10/2 - 4	Columbus School for Girls/ Columbus Ann Marie McDonnell	57	Field Trip
162.	10/4 - 6	Buckeye Island Hop/ Orient Karen Jennings	64	Conference
163.	10/8-10	Akiva Academy/ Youngstown Kathy Mioni	15	Field Trip
164.	10/8	Woodlands Intermediate/ Huron Leah Lacrosse	63	Field Trip
165.	10/9	Woodlands Intermediate/ Huron Leah Lacrosse	63	Field Trip
166.	10/10-11	Rocky River Middle School/ Rocky River Dave Opdycke	64	Field Trip
167.	10/12	Granville Girl Scouts Troop 333/ Granville Wendy Bittel	13	Field Trip

Table 35 – 2013

168.	10/14-15	Menlo Park Academy/ Cleveland Tammi Belko	31	Field Trip
169.	10/15	Clear Fork High School/ Mansfield Danielle Hult	21	Field Trip
170.	10/15	Cleveland Clear Water Alliance/ Cleveland Frances Crowe DiDonato	6	Conference Field Trip Tour
171.	10/16	Lutheran West High School/ Rocky River Heidi Miller	18	Field Trip
172.	10/18	North Eastern Ohio Education Assoc./ Put-in-Bay Sue Bixler	7	Field Trip
173.	10/18-19	Bowling Green State Univ - Limnology Class/ Bowling Green Doug Kane	13	Field Trip
174.	10/19	Girl Scouts of Ohio Heartland/ Columbus Ashley Reed	41	Field Trip
175.	10/22-23	Berwick Alternative/ Columbus Juli Knecht	53	Field Trip
176.	10/24-25	OSU Facility Assessment/ Columbus Donald Durst	1	Tours
177.	10/24-	Toledo Christian/ Toledo Kelli Mewborn	44	Field Trip
178.	10/25	CCAO Agriculture & Rural Affairs Committee/ Columbus Joshua Hahn	10	Field Trip Tour
Total			28,969	

TABLE 36

**Stone Laboratory Field Trips, Conferences, and Tours
2014**

	Date	Group Name/City	No.	Description
1.	4/17	Newark Catholic H.S./ Newark	17	Field Trip
2.	4/23	St. Joseph Maumee School/ Maumee	16	Field Trip
3.	4/24- 25	Franciscan Academy of Lourdes Univ./ Sylvania	12	Field Trip
4.	4/24- 25	Circleville High School/ Circleville	17	Field Trip
5.	4/25- 26	Village Academy/ Powell	22	Field Trip
6.	4/26	St. Paul Vestery Meeting/ Put-In-Bay	10	Meeting
7.	4/28	Heartland Christian Academy/ Columbiana	30	AVC Tour Fishing
8.	4/28- 29	Hilliard Tharp/ Hilliard	53	Field Trip
9.	4/29	Waite High School/ Toledo	17	Field Trip
10.	4/29	Road Scholars Elderhostel Program/ Put-In-Bay	33	Field Trip
11.	4/29- 30	Hilliard Tharp/ Hilliard	51	Field Trip
12.	5/1	Bettsville High School/ Bettsville	27	Field Trip
13.	5/1- 2	Utica High School/ Utica	11	Field Trip
14.	5/2- 3	Marion Harding High School/ Marion	26	Field Trip
15.	5/5	Hebrew Academy of Cleveland/ Cleveland	12	Field Trip
16.	5/6	Road Scholars Elderhostel Program/ Put-In-Bay	34	Gibraltar Tour
17.	5/6	Old Fort High School/ Old Fort	25	Field Trip

Table 36 – 2014

18.	5/7	Lake High School - Millbury/ Milbury	19	Field Trip
19.	5/7	North Central Academy/ Tiffin	17	Field Trip
20.	5/8	Operation Military Kids/ Columbus	10	Meeting
21.	5/9	Columbus North International School/ Columbus	30	AVC Tour Fishing
22.	5/12	Road Scholars Elderhostel Program/ Put-In-Bay	28	Lighthouse Tour
23.	5/12- 13	West Carrollton School/ West Carrollton	24	Field Trip
24.	5/13	Clark Elementary School/ Cleveland	42	AVC Tour Fishing
25.	5/13	Buckeye Central High School/ New Washington	30	Field Trip
26.	5/13	Road Scholars Elderhostel Program/ Put-In-Bay	28	Field Trip
27.	5/14	Nowak Tour & Travel with South Amherst M.S./ Valley City	159	Gibraltar Tour
28.	5/14- 15	Miamisburg City Schools/ Miamisburg	67	Field Trip
29.	5/15	Luckey Elementary School/ Peneberville	50	AVC Tour Fishing
30.	5/16	Whiteford Middle School/ Ottawa Lake, MI	77	Field Trip
31.	5/17	Ohio State Young Scholars/ Toledo	45	Field Trip
32.	5/19	South Mount Hope School/ Mansfield	18	AVC Tour Fishing
33.	5/19	Seneca East Local School/ Attica	52	Field Trip
34.	5/19- 20	Citizens Leadership Academy/ Cleveland	31	Field Trip
35.	5/20	Pemberville Elementary School/ Pemberville	65	AVC Tour Fishing
36.	5/20- 21	Citizens Leadership Academy/ Cleveland	45	Field Trip

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37.	5/21	Nowak Tour & Travel with Westwood M.S./ Valley City	97	Gibraltar Tour
38.	5/21-23	Buckeye Valley Middle School/ Delaware	55	Field Trip AVC
39.	5/22-23	Montessori School of The Mahoning Valley/ Youngstown	12	Field Trip
40.	5/22	St. Joseph Middle School/ Monroeville	30	AVC Tour Fishing
41.	5/22	North Fairfield Homeschool Group/ Plymouth	23	AVC Tour Fishing
42.	5/22	North Union High School/ Richwood	14	Field Trip
43.	5/23	Conventry Middle School/ Akron	50	AVC Tour Fishing
44.	5/23	Immaculate Conception School/ Bellevue	38	Field Trip
45.	5/23	Columbian High School/ Tiffin	33	Field Trip AVC
46.	5/27	Cleveland Heights High School/ Cleveland Heights	18	Field Trip
47.	5/27-28	Worthington McCord/ Columbus	56	Field Trip AVC
48.	5/28-29	Gearity Professional Development School/ University Heights	66	Field Trip
49.	5/29	St. Aldabert Catholic School/ Cleveland	19	AVC Tour Fishing
50.	5/29-30	Canton Country Day School/ Canton	15	Field Trip
51.	5/30	Columbus Dispatch/ Put-In-Bay	2	Gibraltar Tour for solar panels
52.	6/2	Liberty Benton Elementary/ Findlay	51	Field Trip
53.	6/2-3	Laurel School/ Shaker Hts.	16	Field Trip
54.	6/3	North Central Local School/ Pioneer	42	Field Trip
55.	6/4	Nowak Tour & Travel with Northwood H.S./ Valley City	70	Gibraltar Tour

Table 36 – 2014

56.	6/4-5	Columbus College of Arts & Design/ Columbus	12	Field Trip
57.	6/4-6	Ohio E.P.A. - RAT Assessment Group/ Columbus	25	Conference Field Trip Gibraltar Tour
58.	6/5	WKYC Live on Lakeside/ Put-In-Bay	3	Gibraltar tour
59.	6/5	Pelee Island School/ Pelee Island, CA	15	AVC Tour Fishing
60.	6/6	OSU Advisory Board - CFAES/ Columbus	51	Field Trip Gibraltar Tour AVC Tour Water Quality Lab Tour
61.	6/6	Oak Harbor Crossing Guards/ Oak Harbor	43	AVC Tour Fishing
62.	6/9-10	Ohio High Point Career Center/ Bellefontaine	20	Field Trip
63.	6/10-11	Girl Scout Junior Troop 71073/ Brecksville	13	Field Trip
64.	6/11	Lakewood High School/ Lakewood	17	Gibraltar Tour
65.	6/12	GLEARC/ Columbus	24	Conference Gibraltar Tour AVC Tour Water Quality Lab Tour
66.	6/12-14	Great Lakes Stewardship Training/ Washington, DC	23	Conference
67.	6/13	OSU Presidents Club/ Columbus	33	Conference Lighthouse AVC Water Quality Gibraltar Tour
68.	6/16	Girl Scout Troop 4277/ St. Louis, MO	15	AVC Adventure
69.	6/17	CCH Environmental Group/ Carrollton	10	Field Trip AVC
70.	6/19	Ohio EPA Director and Family/ Columbus	3	Water Quality Lab
71.	6/23	Twinsburg Let's Go Science/ Stow	33	AVC Adventure

Table 36 – 2014

72.	6/23	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-In-Bay	0	Lighthouse Tour
73.	6/24	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-In-Bay	20	Lighthouse Tour
74.	6/25	Aquatic Visitor Center Tours / Put-In-Bay	320	AVC Tour Fishing
75.	6/25	Gibraltar Island Wednesday Tours/ Gibraltar	4	Gibraltar Tour
76.	6/26	Jim Semer (artist)/ Put-In-Bay	2	Gibraltar tour
77.	6/26	Aquatic Visitor Center Tours / Put-In-Bay	450	AVC Tour Fishing
78.	6/27	Aquatic Visitor Center Tours / Put-In-Bay	630	AVC Tour Fishing
79.	6/28	Aquatic Visitor Center Tours / Put-In-Bay	433	AVC Tour Fishing
80.	6/30	Academic Achievers/YSU/ Youngstown	30	AVC Adventure
81.	6/30	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-In-Bay	65	Lighthouse Tour
82.	7/1	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-In-Bay	54	Lighthouse Tour
83.	7/2	Aquatic Visitor Center Tours / Put-In-Bay	350	AVC Tour Fishing
84.	7/2	Gibraltar Island Wednesday Tours/ Gibraltar	29	Gibraltar Tour
85.	7/3	Aquatic Visitor Center Tours / Put-In-Bay	300	AVC Tour Fishing
86.	7/4	Aquatic Visitor Center Tours / Put-In-Bay	400	AVC Tour Fishing
87.	7/5	Aquatic Visitor Center Tours / Put-In-Bay	350	AVC Tour Fishing
88.	7/7	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-In-Bay	69	Lighthouse Tour
89.	7/8	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-In-Bay	40	Lighthouse Tour
90.	7/9	Aquatic Visitor Center Tours / Put-In-Bay	450	AVC Tour Fishing

Table 36 – 2014

91.	7/9	Gibraltar Island Wednesday Tours/ Gibraltar	27	Gibraltar Tour
92.	7/10	HAB's Press Conference/ Various	23	Conference Field Trip
93.	7/10	Aquatic Visitor Center Tours / Put-In-Bay	350	AVC Tour Fishing
94.	7/10	Stone Lab Limnology/ Columbus	8	Water Quality Lab
95.	7/11	Aquatic Visitor Center Tours / Put-In-Bay	260	AVC Tour Fishing
96.	7/11- 12	The Lake Guardian w/PA Sea Grant/ Erie, PA	23	Field Trip
97.	7/12	Aquatic Visitor Center Tours / Put-In-Bay	300	AVC Tour Fishing
98.	7/14	Ontario PBS film crew/ Ontario, CA	5	Research
99.	7/14	Toledo Zoo Camp/ Toledo	15	AVC Tour Fishing
100.	7/14	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-In-Bay	105	Lighthouse Tour
101.	7/15	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-In-Bay	75	Lighthouse Tour
102.	7/16	Sea Camp 4-H/ Huron	19	AVC Adventure
103.	7/16	Aquatic Visitor Center Tours / Put-In-Bay	450	AVC Tour Fishing
104.	7/16	Gibraltar Island Wednesday Tours/ Gibraltar	45	Gibraltar Tour
105.	7/17	Aquatic Visitor Center Tours / Put-In-Bay	350	AVC Tour Fishing
106.	7/18	Aquatic Visitor Center Tours / Put-In-Bay	430	AVC Tour Fishing
107.	7/19	Aquatic Visitor Center Tours / Put-In-Bay	300	AVC Tour Fishing
108.	7/21	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-In-Bay	87	Lighthouse Tour
109.	7/22	Nature Center at Shaker Lakes/ Cleveland	12	AVC Adventure

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110.	7/22	Bay Middle School/ Bay Village	32	AVC Adventure
111.	7/22	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-In-Bay	67	Lighthouse Tour
112.	7/23	USDA Rural Development/ Columbus	10	Conference Gibraltar Tour Water Quality Tour
113.	7/23	Aquatic Visitor Center Tours / Put-In-Bay	345	AVC Tour Fishing
114.	7/23	Gibraltar Island Wednesday Tours/ Gibraltar	16	Gibraltar Tour
115.	7/24	Erie Co. Soil & Water/ North Royalton	39	Conference Field Trip Gibraltar Tour Water Quality Tour AVC Tour
116.	7/24	Aquatic Visitor Center Tours / Put-In-Bay	350	AVC Tour Fishing
117.	7/25	Aquatic Visitor Center Tours / Put-In-Bay	445	AVC Tour Fishing
118.	7/26	Aquatic Visitor Center Tours / Put-In-Bay	430	AVC Tour Fishing
119.	7/28	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-In-Bay	81	Lighthouse Tour
120.	7/29	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-In-Bay	82	Lighthouse Tour
121.	7/30	Aquatic Visitor Center Tours / Put-In-Bay	460	AVC Tour Fishing
122.	7/30	Gibraltar Island Wednesday Tours/ Gibraltar	64	Gibraltar Tour
123.	7/30	Lake Erie Nature & Wildlife Center - Nature Camp/ Put-In-Bay	18	Field Trip
124.	7/30	Stone Lab intro aquatic/ Various	17	Water Quality Lab AVC Tours
125.	7/31	Aquatic Visitor Center Tours / Put-In-Bay	450	AVC Tour Fishing
126.	8/1	Ohio Farm Bureau/ Various	20	Conference Field Trip and Gibraltar Tour
127.	8/1	Aquatic Visitor Center Tours / Put-In-Bay	600	AVC Tour Fishing

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128.	8/2	Aquatic Visitor Center Tours / Put-In-Bay	300	AVC Tour Fishing
129.	8/4	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-In-Bay	75	Lighthouse Tour
130.	8/5	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-In-Bay	45	Lighthouse Tour
131.	8/6	Lake Erie Nature & Science Center/ BayVillage	2	Conference Gibraltar Tour
132.	8/6	Aquatic Visitor Center Tours / Put-In-Bay	560	AVC Tour Fishing
133.	8/6	Gibraltar Island Wednesday Tours/ Gibraltar	33	Gibraltar Tour
134.	8/7	Aquatic Visitor Center Tours / Put-In-Bay	448	AVC Tour Fishing
135.	8/7	Marsha Latta and Dr. Kathy Fell	2	Gibraltar Tour
136.	8/8	Aquatic Visitor Center Tours / Put-In-Bay	500	AVC Tour Fishing
137.	8/9	Aquatic Visitor Center Tours / Put-In-Bay	670	AVC Tour Fishing
138.	8/11	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-In-Bay	65	Lighthouse Tour
139.	8/12	South Bass Island Lighthouse Mon. & Tues. Tours/ Put-In-Bay	45	Lighthouse Tour
140.	8/13	Aquatic Visitor Center Tours / Put-In-Bay	540	AVC Tour Fishing
141.	8/13	Gibraltar Island Wednesday Tours/ Gibraltar	38	Gibraltar Tour
142.	8/13	Dealing with Cyanobacteria/ Columbus	22	Water Quality Lab
143.	8/14	WELB MEETING - Lenawee Conservation District/ Adrian, MI	41	Conference Field Trip AVC & Water Quality Tours
144.	8/14	Aquatic Visitor Center Tours / Put-In-Bay	448	AVC Tour Fishing
145.	8/15	WELB MEETING - Lenawee Conservation District/ Adrian, MI	40	Conference Field Trip AVC Tour Water Quality Tour

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146.	8/15	Aquatic Visitor Center Tours / Put-In-Bay	448	AVC Tour Fishing
147.	8/15	Toledo ABC Shaun Hegarty/Toledo	2	Water Quality Lab
148.	8/16	Aquatic Visitor Center Tours / Put-In-Bay	448	AVC Tour Fishing
149.	8/18-19	Science & Outdoor Writers and Reporters/ Various	30	Conference Field Trip Water Quality Tour Lighthouse Tour
150.	8/19	13 ABC news/ Put-In-Bay	2	water quality lab tour
151.	8/20	County Commissioners Mayors and Decision Makers/ Various	60	Conference Field Trips Gibraltar Tour AVC Tour
152.	8/20	Aquatic Visitor Center Tours / Put-In-Bay	448	AVC Tour Fishing
153.	8/21	Aquatic Visitor Center Tours / Put-In-Bay	448	AVC Tour Fishing
154.	8/22	OSU Presidents Club/ Columbus	30	Conference Lighthouse AVC Water Quality Tour Gibraltar Tour
155.	8/22	Aquatic Visitor Center Tours / Put-In-Bay	448	AVC Tour Fishing
156.	8/23	Aquatic Visitor Center Tours / Put-In-Bay	448	AVC Tour Fishing
157.	8/25	Charter Boat Captain Presentation	20	Conference Field Trip Lighthouse AVC Water Quality and Gibraltar Is. Tours
158.	8/26	County Commissioners Mayors and Decision Makers/ Various	30	Conference Field Trips Gibraltar AVC Tours
159.	8/27	John Deere/ Woodburn, IN	33	Conference Field Trip
160.	8/27	Aquatic Visitor Center Tours / Put-In-Bay	165	AVC Tour Fishing

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161.	8/27	Senior Legislative Assistant to Congressmen Latta/ Columbus	3	Gibraltar Tour
162.	8/27	John Deere/ Various	33	Water Quality Lab
163.	8/27-28	Miamisburg High School/ Dayton	21	Field Trip
164.	8/28-29	Lake Ridge Academy/ North Ridgeville	29	Field Trip
165.	8/29	Aquatic Visitor Center Tours / Put-In-Bay	448	AVC Tour Fishing
166.	8/29	Aquatic Visitor Center Tours / Put-In-Bay	448	AVC Tour Fishing
167.	8/30	Aquatic Visitor Center Tours / Put-In-Bay	250	AVC Tour Fishing
168.	9/2	Toledo Blade Photographer/ Toledo	5	Research AVC Gibraltar Tour
169.	9/2-3	Hilliard Station I/ Hilliard	42	Field Trip AVC
170.	9/3-4	Hilliard Station II/ Hilliard	43	Field Trip
171.	9/4-5	Hilliard Station III/ Hilliard	43	Field Trip
172.	9/3	Aquatic Visitor Center Tours / Put-In-Bay	300	AVC Tour Fishing
173.	9/4	Aquatic Visitor Center Tours / Put-In-Bay	448	AVC Tour Fishing
174.	9/4	Island Transportation/ Put-in-Bay	27	Field Trip
175.	9/5	Sherrod Brown Media Event/ Put-In-Bay	13	Cruise Water Quality Lab
176.	9/5	Aquatic Visitor Center Tours / Put-In-Bay	448	AVC Tour Fishing
177.	9/6	Aquatic Visitor Center -OPEN HOUSE/ Put-In-Bay	448	AVC Tour Fishing
178.	9/6-8	OPEN HOUSE/ Various	1750	
179.	9/9	Ohio Certified Volunteer Naturalists, OSU/ Toledo	26	Field Trip

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180.	9/9	Road Scholars Elderhostel Program/ Put-In-Bay	21	Field Trip
181.	9/10	Island Transportation - FrankTalk Tour Group/ Put-in-Bay	41	Lighthouse Tour
182.	9/11	Brightspark Travel - Laurel Elementary/ Deerfield	49	Field Trip
183.	9/12	Brightspark Travel/ Deerfield	49	AVC Tour Fishing
184.	9/13	Hiram College/ Hiram	11	Field Trip
185.	9/15-16	Internal Auditor/ Columbus	1	Gibraltar Tour AVC Tour Research Lab Bayview Tour Lighthouse Tour
186.	9/15-16	St. Ursula Academy/ Toledo	26	Field Trip
187.	9/16	Troop 109 Girl Scouts/ Bowling Green	7	Gibraltar Tour
188.	9/17	St. Jude School/ Elyria	49	Field Trip
189.	9/17	Discovery Canada/ Put-In-Bay	3	Research Lab AVC Tour
190.	9/18-19	Communicators Retreat/ Columbus	47	Conference Field Trip AVC Tour Lighthouse Tour Gibraltar Tour
191.	9/19-20	Granville Intermediate School/ Granville	35	Field Trip
192.	9/20	OSU Life Sciences Scholars/ Columbus	20	Field Trip
193.	9/20	OSU Life Sciences Scholars FT (18 +2) / Columbus	20	Water Quality Lab
194.	9/22	Brecksville High School/ Brecksville	47	Field Trip
195.	9/23-24	Vermilion High School/ Vermilion	11	Field Trip
196.	9/25	Independent Energy Consultants/ Aurora	10	Water Quality Lab AVC Tour Conference

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197.	9/25	FSC Homeschool/ Perrysburg	13	Field Trip
198.	9/26-27	Mount Union College/ Alliance	11	Field Trip
199.	9/30	McCormick Jr. High School/ Huron	68	Field Trip
200.	10/1	McCormick Jr. High School/ Huron	68	Field Trip
201.	10/1-3	Columbus School for Girls/ Columbus	46	Field Trip
202.	10/3-6	Buckeye Island Hop/ Columbus	59	Volunteer Weekend
203.	10/6-8	Akiva Academy/ Youngstown	20	Field Trip
204.	10/9-10	St. Andrew School/ Columbus	58	Field Trip
205.	10/10	OSU Limnology/ Columbus	25	Water Quality Lab
206.	10/10-12	OSU Limnology Course 5420/ Columbus	25	Field Trip
207.	10/11-12	Fish Sampling Workshop/ Columbus	19	
208.	10/13	Julian Toth	10	Lighthouse Tour
209.	10/14	Ohio Lakefront Group/ Bay Village	30	Conference Field Trip
210.	10/16	Clear Fork High School/ Belville	17	Gibraltar Tour Field Trip
211.	10/14-15	Berwick Alternative I/ Columbus	39	Field Trip
212.	10/15-16	Berwick Alternative II/ Columbus	29	Field Trip
213.	12/8	Lake Erie Islands Chapter of Black Swamp Conservancy/ Put-In-Bay	48	Meeting Open House
Total			25,494	

TABLE 37

**Stone Laboratory Guest Lectures
2006**

in affiliation with
Ohio Sea Grant College Program
Friends of Stone Laboratory
Environmental Sciences Graduate Program
Environmental Policy Initiative
The Ohio State University, Gibraltar Island, Put-in-Bay, Ohio

All lectures begin at 7:45 PM and conclude at approximately 9:00 PM. Each lecture is preceded by a short lecture on current research at 7:00 PM and both lectures are broadcast live from Gibraltar Island into 333-D Kottman Hall on the OSU main campus. An OSU boat leaves the dock in front of the OSU Research Building (near State Fish Hatchery) at 7:15 PM before each lecture. Transportation on this boat to and from Gibraltar Island is free. We can also transmit the lectures to remote locations—contact the Stone Laboratory Office for information or for a listing of the research presentations at 614.247.6500.

Week 1	6/8	No Lecture
Week 2	6/15	Jeff Tyson , ODNR Division of Wildlife "Managing Lake Erie's Fisheries Resources"
<u>TERM 1</u>		
Week 3	6/22	Drs. Elena Irwin and Jeff Reutter , Ohio State University "Farms, Factories, Fish, and Sprawl: A Recent History of Land Use and Water Quality in the Lake Erie Region"
Week 4	6/29	Dr. Harvey Shear , University of Toronto "The Great Lakes Water Quality Agreement 35 Years Later- Success or Failure. Using Indicators to Assess the State of the Great Lakes"
Week 5	7/6	Dr. Joe DePinto , Senior Scientist, Limno-Tech, Inc. "The Use of Models to Support Management Decisions in the Great Lakes"
Week 6	7/13	Dr. Russ Kreis , Large Lakes Research Laboratory, US EPA, Grosse Ile "Interaction and Impacts of the Detroit River on Lake Erie"
Week 7	7/20	Transition between terms—No Lecture
<u>TERM 2</u>		
Week 8	7/27	Dr. Joan Herbers , Dean, College of Biological Sciences, Ohio State University "Dysfunctional Families in the Insect World"
Week 9	8/3	Dr. Laura Rush , Diplomat, American College of Veterinary Pathologists, Ohio State University "Cancer Treatment is Going to the Dogs: Using Humans as a Model of Canine Cancer"
Week 10	8/10	Dr. John Gannon , International Joint Commission "Lake Erie and the Great Lakes Water Quality Agreement: Past, Present, and Future"
Week 11	8/17	End of Second Term—No More Lectures

Week 14 9/9

Open House—11:30-4:00 Saturday—Open to Public

Stone Laboratory Open House with Educational Programs and Tours of

Gibraltar

Island and South Bass Lighthouse followed by the Friends of Stone Laboratory Annual Meeting.

TABLE 38

**Stone Laboratory Guest Lectures
2007**

in affiliation with
Ohio Sea Grant College Program
Office of Student Affairs
Friends of Stone Laboratory
Office of Facilities Operation and Development
Environmental Sciences Graduate Program
Environmental Policy Initiative
The Ohio State University, Gibraltar Island, Put-in-Bay, Ohio

All lectures begin at 7:45 PM and conclude at approximately 9:00 PM. Each lecture is preceded by a short lecture on current research at 7:00 PM and both lectures are broadcast live from Gibraltar Island into 333-D Kottman Hall on the OSU main campus. An OSU boat leaves the dock in front of the OSU Research Building (near State Fish Hatchery) at 7:15 PM before each lecture.

Transportation on this boat to and from Gibraltar Island is free. We can also transmit the lectures to remote locations—contact the Stone Laboratory Office for information or for a listing of the research presentations at 614.247.6500.

Week 1	6/7	No Lecture
Week 2	6/14	Dr. Charles E. Herdendorf , Professor Emeritus, Ohio State University "Geology of the Great Lakes: From Volcanoes to Glaciers—Three Billion Years of Spectacular Scenery in the Making"
<u>TERM 1</u>		
Week 3	6/21	Dr. Stan Gehrt , School of Natural Resources, Ohio State University "Urban Coyote Ecology: Separating Myths from Truths"
Week 4	6/28	Chris Korleski , Director, Ohio Environmental Protection Agency "Environmental Protection: Where do you fit in?"
Week 5	7/5	Dr. Larry Krissek , School of Earth Sciences, Ohio State University "Scientific Drilling in Antarctica: Records of Climate Change"
Week 6 Coll.	7/12	Dr. R. Peter Richards , National Center for Water Quality Research, Heidelberg Coll. "Thirty-Year Phosphorus Trends in Ohio Lake Erie Tributaries: What's Happening and Why?"
Week 7	7/19	Transition between terms—No Lecture
<u>TERM 2</u>		
Week 8	7/26	Sean D. Logan , Director, Ohio Department of Natural Resources "Real Green: Jobs, Conservation and Public Policy"
Week 9	8/2	Roger Knight , Lake Erie Fisheries Supervisor, Ohio Division of Wildlife "Walleye Capital of the World: Lake Erie Fisheries"
Week 10 Univ.	8/9	Dr. Bobby D. Moser , Vice President of Agriculture and Outreach, Ohio State Univ. "Agriculture and the Environment"
Week 11	8/16	End of Second Term—No More Lectures
Week 14	9/8	Open House—11:30-4:00 Saturday—Open to Public

Stone Laboratory Open House with Educational Programs and Tours of Gibraltar Island and South Bass Lighthouse followed by the Friends of Stone Laboratory Annual Meeting.

TABLE 39

**Stone Laboratory Guest Lectures
2008**

in affiliation with
Ohio Sea Grant College Program
Friends of Stone Laboratory
Environmental Sciences Graduate Program
Environmental Policy Initiative
Office of Research
College of Food, Agricultural and Environmental Sciences
Office of Student Affairs
The Ohio State University

All lectures begin at 7:45 PM and conclude at approximately 9:00 PM. Each lecture is preceded by a short lecture on current research at 7:00 PM and both lectures are broadcast live into 333D Kottman Hall on the OSU main campus. Members of the public are welcome and can take the Put-in-Bay Water Taxi from the Boardwalk Restaurant Dock at 7:15 PM before each lecture. A short tour of Gibraltar Island will be provided before the lecture. We can also transmit the lectures to remote locations—contact the Stone Lab office for information and a listing of the research briefs at 419.285.1800.

Week 1	6/5	No Lecture
Week 2	6/12	Chris Korleski , Director, Ohio Environmental Protection Agency "Global Warming: Science or Religion"
<u>TERM 1</u>		
Week 3	6/19	Dr. Jeff Reutter , Director, Ohio Sea Grant and Stone Laboratory, Ohio State Univ. "A Brief History of Stone Laboratory and Update on the Current Status of Lake Erie"
Week 4	6/26	Dr. Charles E. Herdendorf , Professor Emeritus, Ohio State University "Geology of the Great Lakes: Three Billion Years of Spectacular Scenery in the Making"
Week 5 University	7/3	Dr. Stu Ludsin , Evolution, Ecology, and Organismal Biology, Ohio State "Hypoxia Alters Species Distributions and Interactions: Implications for Food Webs and Fisheries"
Week 6 Research	7/10	Ray Petering , Ohio Div. Wildlife, Executive Administrator Fisheries Mgt and "Fisheries Management and Research in Ohio"
Week 7	7/17	Transition between terms—No Lecture
<u>TERM 2</u>		
Week 8 Univ.	7/24	Dr. Brent Sohngen , Agricultural, Env. and Development Economics, Ohio State "Threats, Impacts, Adaptation, and Opportunities for the Great Lakes Related to Climate Change"
Week 9	7/31	Eric Fingerhut , Chancellor, Ohio Board of Regents "The University System of Ohio"
Week 10	8/7	James H. I. Weakley , President, Lake Carriers' Association "Ships are Cool!"

- Week 11** 8/14 **End of Second Term—No More Lectures**
- Week 14** 9/6 **Open House for the Public—11:00-4:00 Saturday**
Stone Laboratory Open House with Educational Programs and Tours of Gibraltar Island and South Bass Lighthouse followed by the Friends of Stone Laboratory Annual Meeting.

TABLE 40

**Stone Laboratory Guest Lectures
2009**

in affiliation with
Ohio Sea Grant College Program
Friends of Stone Laboratory
Office of Research
College of Food, Agricultural and Environmental Sciences
Environmental Sciences Graduate Program
Environmental Policy Initiative
The Ohio State University

All lectures begin at 7:45 PM and conclude at approximately 9:00 PM. Each lecture is preceded by a short lecture on current research at 7:00 PM and both lectures are broadcast live into 333C Kottman Hall on the OSU main campus. Members of the public are welcome and can take the Put-in-Bay Water Taxi (at their own expense) from the Boardwalk Restaurant Dock at 7:15 PM before each lecture. A short tour of Gibraltar Island will be provided before the lecture. The lectures can also be transmitted to remote locations—contact the Stone Laboratory Office for information and a listing of the research presentations at 614.247.6500.

Week 1	6/11	No Lecture
Week 2	6/18	Dr. Lawrence Krissek , Department of Earth Sciences, Ohio State University "The Geologic History of the Lake Erie Basin"
<u>TERM 1</u>		
Week 3	6/25	Robert Boggs , Director, Ohio Department of Agriculture "Ohio Agriculture and Its Impact on the Environment"
Week 4	7/2	Dr. Charles E. Herdendorf , Professor Emeritus, Ohio State University "Science on a Deep-Ocean Shipwreck: Gold-Rush Treasures & Marine Sciences"
Week 5	7/9	David Graham , Chief, Ohio Division of Wildlife "An Evening with the Ohio Division of Wildlife"
Week 6	7/16	Sean Logan , Director, Ohio Department of Natural Resources "Recessionary Economics and Resource Management"
Week 7	7/23	Transition between terms—No Lecture
<u>TERM 2</u>		
Week 8	7/30	Chris Korleski , Director, Ohio Environmental Protection Agency "Big Issues/Little money: Managing Environmental Issues on a Tight Budget"
Week 9	8/6	Dr. Carol Whitacre , Vice President for Research, Ohio State University "Exciting New Research Developments at Ohio State"
Week 10	8/13	Fred Snyder , Sea Grant Extension Agent, Ohio State University "30+ Years as a Sea Grant Extension Agent and Experiences on Lake Erie"
Week 11	8/20	End of Second Term—No More Lectures
Week 14	9/12	Open House—11:00-4:00 Saturday—Open to Public

Stone Laboratory Open House with Educational Programs and Tours of Gibraltar Island and South Bass Lighthouse followed by the Friends of Stone Laboratory Annual Meeting.

TABLE 41

Stone Laboratory Guest Lectures 2010

in affiliation with
Ohio Sea Grant College Program
Friends of Stone Laboratory
Office of Research
College of Food, Agricultural and Environmental Sciences
Environmental Sciences Graduate Program
Environmental Policy Initiative
The Ohio State University

All lectures begin at 7:45 PM and conclude at approximately 9:00 PM. Each lecture is preceded by a short lecture on current research at 7:00 PM and both lectures are broadcast live into 333C Kottman Hall on the OSU main campus. Members of the public are welcome and can take the Put-in-Bay Water Taxi (at their own expense) from the Boardwalk Restaurant Dock at 7:15 PM before each lecture. A short tour of Gibraltar Island will be provided before the lecture. The lectures can also be transmitted to remote locations—contact the Stone Laboratory Office for information and a listing of the research presentations at 614.247.6500.

Week 1	6/10	No Lecture
Week 2	6/17	Dr. Fred Hitzhusen , Dept. of Agricultural, Environmental and Development Economics, Ohio State University "Toward a More Renewable Energy Future for Ohio: An Environmental Economic Perspective"
<u>TERM 1</u>		
Week 3	6/24	Dr. Charles E. Herdendorf , Professor Emeritus, Ohio State University "Pioneering Research on Lake Erie: Stone Laboratory Contributions of the Last Century"
Week 4	7/1	Dr. Lawrence Krissek , Department of Earth Sciences, Ohio State University "The Geologic History of the Lake Erie Basin"
Week 5	7/8	Doug Brewer , Manager, Ottawa National Wildlife Refuge "Ottawa National Wildlife Refuge: Part of a Bigger System"
Week 6 Laboratory	7/15	Dr. Marie Colton, Director , NOAA's Great Lakes Environmental Research Laboratory "NOAA in the Great Lakes"
Week 7	7/22	Transition between terms—No Lecture
<u>TERM 2</u>		
Week 8	7/29	Gail Hesse , Chair, Lake Erie Phosphorus Task Force, OEPA "Algae Blooms in Lake Erie: Overview and Findings of the Ohio Lake Erie Phosphorus Task Force"
Week 9	8/5	Roger Knight , Ohio Division of Wildlife, ODNR "The Asian Carp Threat to Lake Erie Fisheries"
Week 10	8/12	Dr. John Gannon , International Joint Commission "Lake Erie and the World's Other Great Lakes—Lessons in Sustainability"
Week 11	8/29	End of Second Term—No More Lectures

Week 14 9/11 **Open House—11:00-4:00 Saturday—Open to Public**
Stone Laboratory Open House with Educational Programs and Tours of Gibraltar
Island and South Bass Lighthouse followed by the Friends of Stone Laboratory
Annual Meeting.

TABLE 42

**Stone Laboratory Guest Lecture
2011**

in affiliation with
Ohio Sea Grant College Program
Friends of Stone Laboratory
Office of Research
College of Food, Agricultural and Environmental Sciences
Environmental Sciences Graduate Program
Environmental Policy Initiative
The Ohio State University

All lectures begin at 7:45 PM and conclude at approximately 9:00 PM. Each lecture is preceded by a short lecture on current research at 7:00 PM. Members of the public are welcome and can take the Put-in-Bay Water Taxi (at their own expense) from the Boardwalk Restaurant Dock at 6:30 or 7:15 PM before each lecture. A short tour of Gibraltar Island will be provided before the lecture. The public can view the lectures and research briefs via a live web seminar from any computer with internet access. Those interested in learning more about this option and receiving the log-in information for specific lectures should contact Matthew Forte at forte.40@osu.edu. The lectures also will be broadcast live into 333C Kottman Hall on the OSU main campus and available a few weeks after each presentation as podcasts at stonelab.osu.edu/events/guest-lectures. Call the Stone Laboratory Office at 614.247.6500 for more information.

Week 1	6/9	No Lecture
Week 2	6/16	Dr. Amanda Rodewald , Professor, School of Nat. Resources, Ohio State University "Bird Conservation in an Urbanizing World: Are We Winging It?"
<u>TERM 1</u>		
Week 3	6/23	Scott Nally, Director , Ohio EPA "OEPA Update/Director's Initiatives"
Week 4	6/30	Dr. Charles E. Herdendorf , Professor Emeritus, Ohio State University "The Origin and Evolution of Presque Isle Sandspit (Erie, PA)—How It Contributed to Commodore Perry's Victory at the Battle of Lake Erie"
Week 5	7/7	Dr. Stuart Ludsin , Professor, Evolution, Ecology and Organismal Biology, Ohio State Univ. "Climate Change Impacts on Fishes of the Great Lakes"
Week 6	7/14	David Mustine , Director, ODNR "Productive Partnerships: Watersheds and Lakes"
Week 7	7/21	Transition between terms—No Lecture
<u>TERM 2</u>		
Week 8	7/28	Dr. Lawrence Krissek , Department of Earth Sciences, Ohio State University "The Geologic History of the Lake Erie Basin"
Week 9	8/4	Dr. Andrew Gronewold , Physical Scientist/Hydrologist, NOAA, GLERL "Climate Change Impacts on Great Lakes Water Levels"
Week 10	8/11	Laura Powell , Assistant Director, OEPA "The Reality of Public Policy and the Environment"
Week 11	8/18	End of Second Term—No More Lectures

Week 14 9/10 **Open House—11:00-4:00 Saturday—Open to Public**
Stone Laboratory Open House with Educational Programs and Tours of Gibraltar Island and South Bass Lighthouse followed by the Friends of Stone Laboratory Annual Meeting.

TABLE 43

**Stone Laboratory Guest Lectures
2012**

in affiliation with
Ohio Sea Grant College Program
Friends of Stone Laboratory
Office of Research
College of Food, Agricultural and Environmental Sciences
Office of Energy and Environment
Environmental Sciences Graduate Program
The Ohio State University

All lectures begin at 7:45 PM and conclude at approximately 9:00 PM unless otherwise noted. Each lecture is preceded by a short lecture on current research at 7:00 PM. Members of the public are welcome and can take the Put-in-Bay Water Taxi (at their own expense) from the Boardwalk Restaurant Dock at 6:30 or 7:15 PM before each lecture. A short tour of Gibraltar Island will be provided before the lecture. The public can view the lectures and research briefs via a live web seminar from any computer with internet access. Those interested in learning more about this simple and fast option and receiving the log-in information for specific lectures should contact John Tripp (tripp.1@osu.edu; 614.292.8949) or Christopher Winslow (Winslow.33@osu.edu; 614.292.8949).

Week 1 6/14 **The Honorable Marcy Kaptur**, US House of Representatives
"Lake Erie, the Great Lakes, and Congress"

5-Week Course Session

Week 2 6/21 **7:00 PM Lecture: Jim Zehringer**, Director, Ohio DNR
"ODNR Update/Director's Initiatives"

Week 3 6/28 **Scott Nally**, Director, Ohio EPA
"OEPA Update/40th Anniversary"

Week 4 7/5 **Blanca Stransky**, Superintendent, Perry's Victory and International Peace Memorial, NPS
"Perry's Monument: Why We Should Care About the War of 1812"

Week 5 7/12 **Leon Carl**, Regional Executive, U.S. Geological Survey, Midwest Area
"USGS Science - Partner driven Research: Huron-Erie Corridor, Asian Carp, and Harmful Algal Blooms"

Week 6 7/19 **End of 5-Week Course Session—No Lecture**

Week 7 7/26 **David Ulrich**, Executive Director, Great Lakes and St. Lawrence Cities Initiative
"Great Lakes – Great Opportunities"

Week 8 8/2 **Cameron Davis**, Senior Advisor to the Administrator (Great Lakes), U.S. EPA
"The Day Science Saved the Great Lakes"

Week 9 8/9 **Workshop Week—No Lectures**

Special Event 9/8 **Open House—11:00-4:00 Saturday—Open to Public**
Stone Laboratory Open House with Educational Programs and Tours of Gibraltar Island and South Bass Lighthouse followed by the Friends of Stone Laboratory Annual Meeting

TABLE 44

**Stone Laboratory Guest Lectures
2013**

in affiliation with
Ohio Sea Grant College Program
Friends of Stone Laboratory
Office of Research
College of Food, Agricultural and Environmental Sciences
Office of Energy and Environment
Environmental Sciences Graduate Program
The Ohio State University

All lectures begin at 7:45 PM and conclude at approximately 9:00 PM unless otherwise noted. Each lecture is preceded by a short lecture on current research at 7:00 PM. Members of the public are welcome and can take the Put-in-Bay Water Taxi (at their own expense) from the Boardwalk Restaurant Dock at 6:30 or 7:15 PM before each lecture. A short tour of Gibraltar Island will be provided before the lecture. The public can view the lectures and research briefs via a live web seminar from any computer with Internet access. Those interested in learning more about this simple and fast option and receiving the log-in information for specific lectures should go to stonelab.osu.edu/events/guest-lectures. Lectures should also be available as podcasts a few weeks after each lecture at the same site. Contact the Stone Laboratory Office at 614.247.6500 for more information.

Week 1	6/13	Scott Zody , Chief, Ohio Division of Wildlife, ODMR “Overview of ODNR – Division of Wildlife”
<u>5-Week Course Session</u>		
Week 2	6/20	Dr. Charles E. Herdendorf , Director Emeritus, Ohio Sea Grant and Stone Lab “Battle of Lake Erie: How Lake Processes Contributed to Perry's Victory”
Week 3	6/27	Dr. Jeffrey M. Reutter , Director, Ohio Sea Grant and Stone Lab “Solving Lake Erie’s Nutrient Loading and Harmful Algal Bloom Problems” Dr. Robyn Wilson , Assist. Prof, OSU School of Environment and Natural Resources, Environmental and Social Sustainability Lab “Designing Restoration Efforts and Sustainability Initiatives that Work: Insights from the Social Sciences”
Week 4	7/2	Scott Nally , Director, Ohio EPA “OEPA Update/40 th Anniversary”
Week 5	7/11	Dr. Caroline C. Whitacre , Vice President for Research, The Ohio State University “Research at The Ohio State University: An Update”
Week 6	7/18	End of 5-Week Course Session—No Lecture—REU Presentations
Week 7	7/25	Gail Hesse , Executive Director, Ohio Lake Erie Commission “The Ohio Lake Erie Phosphorus Task Force Phase II: Science-based Analysis for Policy Recommendations”
Week 8	8/1	Ken Alvey , President, Lake Erie Marine Trades Association “Recreational Boating Trends, Challenges and Opportunities”
Week 9	8/8	Workshop Week—No Lectures
Special Event	9/7	Open House—11:00-4:00 Saturday—Open to Public Stone Laboratory Open House with Educational Programs and Tours of Gibraltar Island and South Bass Lighthouse followed by the Friends of Stone Laboratory Annual Meeting

TABLE 45

**Stone Laboratory Guest Lectures
2014**

in affiliation with
Ohio Sea Grant College Program
Friends of Stone Laboratory
Office of Research
College of Food, Agricultural and Environmental Sciences
Office of Energy and Environment
Environmental Sciences Graduate Program
The Ohio State University
Gibraltar Island, Put-in-Bay, Ohio

All lectures begin at 7:45 PM and conclude at approximately 9:00 PM unless otherwise noted. Each lecture is preceded by a short lecture on current research at 7:00 PM. Members of the public are welcome and can take the Put-in-Bay Water Taxi (at their own expense) from the Boardwalk Restaurant Dock at 6:30 or 7:15 PM before each lecture. A short tour of Gibraltar Island will be provided before the lecture. The public can view the lectures and research briefs via a live web seminar from any computer with Internet access. Those interested in learning more about this simple and fast option and receiving the log-in information for specific lectures should go to stonelab.osu.edu/events/guest-lectures. Lectures should also be available as podcasts a few weeks after each lecture at the same site. Contact the Stone Laboratory Office at 614.247.6500 for more information.

Week 1	6/19	Craig Butler , Director, Ohio EPA “Lake Erie Dredging: Past, Present and Future”
<u>5-Week Course Session</u>		
Week 2	6/26	Josh Knights , Executive Director, The Nature Conservancy in Ohio “Applying the Green Rule to Lake Erie”
Week 3	7/3	John Kleberg , Retired Associate Vice President for Business & Finance, The Ohio State University “Jay Cooke: Lincoln’s Civil War Financier and Gibraltar Resident”
Week 4	7/10	Dr. Bruce McPheron , Vice President for Agriculture & Dean of the College of Food, Agricultural & Environmental Sciences, The Ohio State University “Food, Agricultural, and Environmental Sciences — Three Ways of Describing a Singular Mission”
Week 5	7/17	Jeff Tyson , Lake Erie Program Administrator, Ohio Department of Natural Resources, Division of Wildlife “Status of Ohio’s Lake Erie Fishery”
Week 6	7/24	End of 5-Week Course Session—No Lecture—REU Presentations
Week 7	7/31	Kate Bartter , Interim Director, Office of Energy & Environment, The Ohio State University “Ohio State University: A Leader in Sustainability”
Week 8	8/7	Dr. Richard H. Moore , Executive Director, Environmental Sciences Network, The Ohio State University “The Potential of Water Quality Trading for Lake Erie and the Great Lakes”
Week 9	8/8	Workshop Week—No Lectures
Special Event	9/6	Open House—11:00-4:00 Saturday—Open to Public Stone Laboratory Open House with Educational Programs and Tours of Gibraltar Island and South Bass Lighthouse followed by the Friends of Stone Laboratory Annual Meeting

TABLE 46

**Stone Laboratory Research Briefs
2006**

Ohio Sea Grant College Program
The Ohio State University

All research briefs begin at 7:00 PM and conclude at approximately 7:20 PM. Contact the Stone Laboratory Office for information (614-247-6500 or 419-285-1800).

Week 1	6/8	No Lecture
Week 2	6/15	Dr. Rosanne Fortner , School of Environment & Natural Resources, OSU "COSEE Great Lakes: Collaborative science and education"
<u>TERM 1</u>		
Week 3	6/22	Dr. Erin Quinlan , Evolution, Ecology, and Organismal Biology, OSU "Climate change and the invasion of <i>Cylindrospermopsis</i> (Cyanobacteria) in Sandusky Bay (Lake Erie)"
Week 4	6/29	Chris Winslow , Biological Sciences, Bowling Green State University "The battle of the bottom dwellers"
Week 5	7/6	Dr. Thomas Bridgeman , Lake Erie Center, University of Toledo "Summer heat-waves and mayfly recruitment in Western Lake Erie"
Week 6	7/13	Dr. Michael A. Hoggarth , Dept. Chair, Life & Earth Sciences, Otterbein College "Land Snails of Ohio"
Week 7	7/20	Transition between terms—No Lecture
<u>TERM 2</u>		
Week 8	7/27	Dr. Douglas Kane , Evolution, Ecology, and Organismal Biology, OSU "From the Lake Erie Ecosystem to the Biosphere: What Plankton Can Tell Us about our Environment"
Week 9	8/3	Dr. Lance Williams , School of Environment & Natural Resources, OSU "Landscape perspectives on biological monitoring in headwater streams"
Week 10	8/10	Dr. Elena Irwin , Agricultural, Environmental and Development Economics, OSU "The value of improved water quality to homeowners around Lake Erie"
Week 11	8/17	End of Second Term—No More Lectures
Week 14	9/9	Open House—11:30-4:00 Saturday—Open to Public Friends of Stone Laboratory Annual Meeting with Educational Programs and Tours of Gibraltar Island and South Bass Lighthouse

TABLE 47

**Stone Laboratory Research Briefs
2007**

Ohio Sea Grant College Program
The Ohio State University

All research briefs begin at 7:00 PM and conclude at approximately 7:20 PM. Contact the Stone Laboratory Office for information (614-247-6500 or 419-285-1800).

Week 1	6/7	No Lecture
Week 2	6/14	Dr. Amanda D. Rodewald , School of Environment & Natural Resources, OSU "A bird of two worlds: the challenge of conserving Cerulean Warblers"
<u>TERM 1</u>		
Week 3	6/21	Kristin K. Arend , Department of Natural Resources, Cornell University "Spatial subsidies to Lake Ontario embayment fish communities: effects of hydrology and morphometry"
Week 4	6/28	Dr. James S. Marshall , Biology Department, DePauw University "Effect of West Nile virus on birds in Northern Ohio"
Week 5	7/5	Kristin Stanford , Dept. of Biological Sciences, Northern Illinois University "What's with all these watersnakes? An update on Lake Erie watersnake population trends and implications for recovery"
Week 6	7/12	Dr. Richard A. Bradley , Department of Entomology, OSU-Marion "Spiders of the Hocking Hills"
Week 7	7/19	Transition between terms—No Lecture
<u>TERM 2</u>		
Week 8	7/26	Joseph D. Conroy , Dept. of Evolution, Ecology, & Organismal Biology, OSU "Phosphorus, cyanobacteria, and hypoxia, oh my! Continued impairments in Lake Erie"
Week 9	8/2	Dr. Ferenc A. de Szalay , Dept. of Biological Sciences, Kent State University "Impacts of flood pulsing on wetland invertebrates and plants along headwater creeks"
Week 10	8/9	Dr. William J. Edwards , Biology Department, Niagara University "Hypoxia in central Lake Erie: the role of macrobenthos"
Week 11	8/16	End of Second Term—No More Lectures
Week 14	9/8	Open House—11:30-4:00 Saturday—Open to Public Friends of Stone Laboratory Annual Meeting with Educational Programs and Tours of Gibraltar Island and South Bass Lighthouse

TABLE 48

**Stone Laboratory Research Briefs
2008**

Ohio Sea Grant College Program
The Ohio State University

All research briefs begin at 7:00 PM and conclude at approximately 7:20 PM. Contact the Stone Laboratory Office for information (614-247-6500 or 419-285-1800).

Week 1	6/5	No Lecture
Week 2	6/12	Dr. Paul G. Rodewald , School of Environment & Natural Resources, OSU "Mapping the breeding distributions of Ohio birds: The Ohio Breeding Bird Atlas II"
<u>TERM 1</u>		
Week 3	6/19	Eugene C. Braig , F.T. Stone Laboratory and Ohio Sea Grant College Program, OSU "Viral Hemorrhagic Septicemia and Ohio's Fish"
Week 4	6/26	Christopher J. Winslow , Dept. of Biological Sciences, Bowling Green State University "Impacts of Round Goby on Juvenile Smallmouth Bass"
Week 5	7/3	Jeremy Ross , Department of Biological Sciences, Bowling Green State University "A multi-level assessment of bird migration over Lake Erie's western basin"
Week 6	7/10	Dr. Robert Gates , School of Environment & Natural Resources, OSU "The biological foundation of habitat conservation for wetland birds in the Upper Mississippi River and Great Lakes Region"
Week 7	7/17	Transition between terms—No Lecture
<u>TERM 2</u>		
Week 8	7/24	Dr. Andy Zuwerink , Biology Department, DePauw University "The influence woodlot size has on reproductive success of Carolina chickadees in northern Ohio"
Week 9	7/31	Lisa Bircher , College of Education, Kent State University "Social Interactions in an Aquatic Biology Course"
Week 10	8/7	Dr. Darren Bade , Department of Biological Sciences, Kent State University "Mirror Lake (New Hampshire) and the Ecosystem Approach"
Week 11	8/14	End of Second Term—No More Lectures
Week 14	9/6	Open House for the Public—11:30-4:00 Saturday Stone Laboratory Open House with Educational Programs and Tours of Gibraltar Island and South Bass Lighthouse followed by the Friends of Stone Laboratory Annual Meeting.

TABLE 49

**Stone Laboratory Research Briefs
2009**

Ohio Sea Grant College Program
The Ohio State University

All research briefs begin at 7:00 PM and conclude at approximately 7:20 PM. Contact the Stone Laboratory Office for information (614-247-6500 or 419-285-1800).

Week 1	6/11	No Lecture
Week 2	6/18	Dr. James P. Bogart , Professor Emeritus of Integrative Biology, Univ. of Guelph "Kelleys Island salamanders: A genetic conundrum"
<u>TERM 1</u>		
Week 3	6/25	Dr. Brian Roth , Department of Fisheries and Wildlife, Michigan State University "Using spatially-explicit models to compare growth, habitat use, and production of brown shrimp on natural versus restored salt marshes in the Gulf of Mexico"
Week 4	7/2	Dr. James Marshall , Biology Department, Denison University "A time to be fat: a student-centered investigation of optimal fat allocation in birds"
Week 5	7/9	Chris Vandergoot , Fisheries Biologist, ODNR Division of Wildlife "An alternative method of estimating exploitation of Lake Erie walleye"
Week 6	7/16	Dr. Geoffrey Steinhart , Aquatic Research Laboratory and Department of Biological Sciences, Lake Superior State University "Helicopter fathers to deadbeat dads: Why is smallmouth bass parental care so variable?"
Week 7	7/23	Transition between terms—No Lecture
<u>TERM 2</u>		
Week 8	7/30	Tory Gabriel , Fisheries Program Coordinator, Ohio Sea Grant "The effects of faith-based sociological pressure on evolution education in American public schools"
Week 9	8/6	Colleen Wellington , Clean Marinas Program Coordinator, Ohio Sea Grant "Effects of turbidity and prey density on the foraging success of age-0 yellow perch"
Week 10	8/13	Dr. John Gannon , International Joint Commission "Application of Science to Policy: Lakes Erie and Victoria"
Week 11	8/20	End of Second Term—No More Lectures
Week 14	9/12	Open House—11:30-4:00 Saturday—Open to Public Friends of Stone Laboratory Annual Meeting with Educational Programs and Tours of Gibraltar Island and South Bass Lighthouse

TABLE 50

**Stone Laboratory Research Briefs
2010**

Ohio Sea Grant College Program
The Ohio State University

All research briefs begin at 7:00 PM and conclude at approximately 7:30 PM. Contact the Stone Laboratory Office for information (614-247-6500 or 419-285-1800)

Week 1	6/10	No Lecture
Week 2	6/17	Dr. Amanda D. Rodewald , Associate Professor, School of Environment and Natural Resources, The Ohio State University "A bird's eye view of the city: bird conservation in an urbanizing world"
<u>TERM 1</u>		
Week 3	6/24	Dr. Lisa DiPinto , Acting Marine Debris Chief, NOAA Office of Response & Restoration "Great Lakes & Marine Debris: The NOAA Marine Debris Program's Voyage into the Unknown"
Week 4	7/1	Dr. Thomas P. Simon , Adjunct Associate Professor, Indiana University-Bloomington "Status of Crayfishes in Indiana"
Week 5	7/8	Dr. Michael A. Hoggarth , Department Chair, Life & Earth Sciences, Otterbein College "Lampricide impacts on freshwater mussels"
Week 6	7/15	Dr. Tom Duncan , Professor Emeritus, University of California at Berkley "The Flora of the Erie Islands: A Review of the Past 30 Years of Research"
Week 7	7/22	Transition between terms—No Lecture
<u>TERM 2</u>		
Week 8	7/29	Dr. Douglas Kane , Assistant Professor, Natural Science & Mathematics, Defiance College "Lake Erie Re-Eutrophication: Evidence from the Maumee and Sandusky Systems"
Week 9	8/5	Dr. Rex L. Lowe , Professor Emeritus, Biological Sciences, Bowling Green State University "The myth of cosmopolitan eucaryotic microbes"
Week 10	8/12	Dr. Amy Braccia , Assistant Professor, Biological Sciences, Eastern Kentucky University "Relating environmental stressors and the biological integrity of streams to local land use: an example using cattle and aquatic insects"
Week 11	8/19	End of Second Term—No More Lectures

Week 14 9/11 **Open House—11:30-4:00 Saturday—Open to Public**
Friends of Stone Laboratory Annual Meeting with Educational Programs and
Tours of Gibraltar Island and South Bass Lighthouse

TABLE 51

**Stone Laboratory Research Briefs
2011**

Ohio Sea Grant College Program
The Ohio State University

All research briefs begin at 7:00 PM and conclude at approximately 7:30 PM. Contact the Stone Laboratory Office for information (614-247-6500 or 419-285-1800).

Week 1	6/9	No Lecture
Week 2	6/16	Mr. Gary Longton , Senior Environmental Engineering Technician, DTE Energy "Who Let the Molluscs Out"
<u>TERM 1</u>		
Week 3	6/23	Dr. James Marshall , Asst. Professor of Biology, Rockford College "Bird dispersal of invasive honeysuckle: residents versus migrants"
Week 4	6/30	Dr. Lawrence A. Krissek , Professor & Assoc. Director, School of Earth Sciences, The Ohio State University "Evidence for Pliocene climate changes in Antarctica at orbital and sub-orbital timescales"
Week 5	7/7	Dr. John-David Yoder , Assoc. Professor & Chair, Mechanical Engineering Department, Ohio Northern University "Robots for environmental science"
Week 6	7/14	Dr. Christopher Winslow , Asst. Professor, Biology Department, Kutztown University "Hypoxia in the Western Basin of Lake Erie: Low oxygen in a shallow system"
<u>TERM 2</u>		
Week 7	7/21	Transition between terms—No Lecture
Week 8	7/28	Ms. Linda Merchant-Masonbrink , Coordinator of the Harmful Algal Bloom, Inland Lake, and Source Water Assessment Programs; Ohio Environmental Protection Agency "Ohio's harmful algal bloom response strategy"
Week 9	8/4	Dr. Darren Bade , Asst. Professor, Department of Biological Sciences, Kent State University "Should we care about nitrogen in Lake Erie?"
Week 10	8/11	Ms. Sarah Opfer , Great Lakes Regional Coordinator, Marine Debris Division, National Oceanic and Atmospheric Administration "A Smorgasbord of Marine Debris"
Week 11	8/18	End of Second Term—No More Lectures
Week 14	9/10	Stone Lab Open House: 11:30-4:00 Saturday—Open to Public Friends of Stone Laboratory Annual Meeting with Educational Programs and Tours of Gibraltar Island and South Bass Lighthouse

TABLE 52

**Stone Laboratory Research Briefs
2012**

Ohio Sea Grant College Program
The Ohio State University

All research briefs begin at 7:00 PM and conclude at approximately 7:30 PM. Contact the Stone Laboratory Office for information (614.247.6500 or 419.285.1800).

Week 1 6/14 **Dr. Kristen Stanford**, Education and Outreach Specialist and Research Scientist for Ohio Sea Grant and Ohio State University's Stone Laboratory
"Lake Erie water snakes: a decade of research supporting recovery"

5-Week Course Session

Week 2 6/21 **Dr. Joseph Ortiz**, Professor, Department of Geology, Kent State University
"Can we identify phytoplankton by their pigment assemblages? Insights from Lake Erie and other lakes in Ohio"

Week 3 6/28 **Dr. Thomas Simon**, Adjunct Associate Professor, Indiana University
"Development of Nutrient Biotic Indices Using Fish Assemblages"

Week 4 7/5 **Chris Vandergoot and Richard Krauss**, Research Fishery Biologist, Ohio Department of Natural Resources and USGS Research Fishery Biologist and Field Station Supervisor at Lake Erie Biological Station; respectively.
"Lake Erie walleye movements and the Great Lakes Acoustic Telemetry Observing System (GLATOS)"

Week 5 7/12 **Dr. Elena Irwin**, Professor, Department of Agricultural, Environmental and Development Economics, Ohio State University
"Impacts of lake amenities on population, employment and housing markets in the Great Lakes region"

Week 6 7/19 **End of 5-Week Course Session—No Lecture**

Week 7 7/26 **Erin Sams**, Ohio Sea Grant Knauss Fellow
"Being a Knauss Fellow: a unique educational experience for students who have an interest in ocean, coastal and Great Lakes resources and in the national policy decisions affecting those resources"

Week 8 8/2 **Dr. Philip Xie**, Associate Professor / Director, School of Human Movement, Sport, & Leisure Studies, Bowling Green State University
"The economic impact of birdwatching along Lake Erie"

Week 9 8/9 **Workshop Week—No Lectures**

Special Event 9/8 **Open House—11:00-4:00 Saturday—Open to Public**
Stone Laboratory Open House with Educational Programs and Tours of Gibraltar Island and South Bass Lighthouse followed by the Friends of Stone Laboratory Annual Meeting

TABLE 53

**Stone Laboratory Research Briefs
2013**

Ohio Sea Grant College Program
The Ohio State University

All research briefs begin at 7:00 PM and conclude at approximately 7:30 PM. Contact the Stone Laboratory Office for information (614.247.6500 or 419.285.1800).

- Week 1** 6/13 **Dr. Linda Weavers**, Professor and Chair, Department of Civil, Environmental, and Geodetic Engineering, Ohio State University, and Co-Director of the Ohio Water Resources Center
“Developing ultrasound as a technology to remediate contaminated sediments”
- Week 2** 6/20 **Dr. R. Michael L. McKay**, Ryan Professor of Biology, Department of Biology, Bowling Green State University
“Ice, algae and Lake Erie's winter ecosystem”
- Week 3** 6/27 **Dr. George Bullerjahn**, Professor, Department of Biology, Bowling Green State University
“Lake Erie in winter: a microbiologist's perspective”
- Week 4** 7/2 **Dr. Justin Chaffin**, Research Coordinator, Ohio Sea Grant College Program, based at the Ohio State University's F.T. Stone Laboratory Water Quality Lab
“Dynamics of nitrogen, phosphorus, and cyanobacteria in Lake Erie during the record-breaking bloom of 2011: Implications for dual nutrient management”
- Week 5** 7/11 **Dr. Joseph D. Conroy**, Biologist working on inland fisheries management, Division of Wildlife, Ohio Department of Natural Resources
“Ohio lacustrine productivity: 1 Lake Erie and 159 inland reservoirs”
- Week 7** 7/25 **Dr. Lauren M Pintor**, Professor, School of Environment and Natural Resources, Ohio State University. Using macroinvertebrates Dr. Pintor assesses how species interactions determine what organisms make up a local community and how these communities impact ecosystem function.
“Animal Personality and the Success of Invasive Species”
- Week 8** 8/1 **Mr. Kent Bekker**, Herpetologist, Toledo Zoo. In addition to caring for the zoo's amphibian and reptile collection, Mr. Bekker also spends time studying the ecology of reptiles and amphibians and assisting with the zoo's conservation efforts.
“Blanding's turtles in a modern landscape”

TABLE 54

**Stone Laboratory Research Briefs
2014**

Ohio Sea Grant College Program
The Ohio State University

All research briefs begin at 7:00 PM and conclude at approximately 7:30 PM. Contact the Stone Laboratory Office for information (614.247.6500 or 419.285.1800).

- | | | |
|---------------|------|--|
| Week 1 | 6/19 | Mr. Doug Wynn , Visiting Scholar, Evolution, Ecology & Organismal Biology, The Ohio State University
"Stone Lab – It may never go away" |
| Week 2 | 6/26 | Dr. Jeff Miner , Professor and Department Chair, Department of Biological Sciences, Bowling Green State University
"CSI Lake Erie: Chemical Signatures Investigation of Steelhead Trout Migration and Straying" |
| Week 3 | 7/3 | Dr. Libby Dayton , Research Scientist, School of Environment & Natural Resources, The Ohio State University
"Beneficial Use of Toledo Harbor Dredge Material in Manufactured Soil Blends" |
| Week 4 | 7/10 | Dr. Elena Irwin , Professor, Department of Agricultural, Environmental & Development Economics, The Ohio State University
"A Sustainability Science Approach to Lake Erie: Assessing the Linkages and Trade-Offs between Agricultural Land Management and Lake Ecosystem Services" |
| Week 5 | 7/17 | Ms. Suzanne Gray , Assistant Professor, School of Environment & Natural Resources, The Ohio State University
"Ohio lacustrine productivity: 1 Lake Erie and 159 inland reservoirs" |
| Week 7 | 7/31 | Mr. Jon Witter , Research Assistant Professor, Department of Food, Agricultural & Biological Engineering, The Ohio State University
"Novel Approaches for Restoring Ecological Function to Channelized Headwater Streams" |
| Week 8 | 8/7 | Ms. Sarah Bowman , Ohio State Knauss Fellow, The Ohio State University
"Earthworms, beetles and voles (Oh my!): Assessing impacts to wildlife from lead ammunition" |

TABLE 55

**Stone Laboratory Scholarship Recipients
2006**

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Acierno, Lacey	Cuyahoga Community College	Franz Theodore Stone Laboratory
Balog, Brian	Baldwin-Wallace College	V. Ray Frederick Memorial
Beganyi, Sarah	Baldwin-Wallace College	V. Ray Frederick Memorial
Boothe, Matthew	Beardsley Academia Learning Ctr	Franz Theodore Stone Laboratory
Brown, Gloria	Ohio State Univ-Newark	Franz Theodore Stone Laboratory
Brown, Justin	Ohio State Univ	Bob Boyce Memorial
Cline, Rhonda	Centennial High	Franz Theodore Stone Laboratory
Crane, Valerie	Ohio State Univ	A. Jackson and Sally Koepp Smith
Easley, Annamaria	Our Lady of the Elms High	Kelly Prochazka Memorial
Finn, Allyson	Wittenberg Univ	V. Ray Frederick Memorial
Goodwyn, Emily	Hilliard Davidson High	Franz Theodore Stone Laboratory
Graves, Bret	Ohio State Univ	Oakland Park Conservation Club
Hall, Samantha	Ohio State Univ	A. Jackson and Sally Koepp Smith
Hanley, Martha*	Toledo Christian High	A. Jackson and Sally Koepp Smith
Hanna, Amber	Ohio State Univ	Franz Theodore Stone Laboratory
Hintz, Rachel	Ohio State Univ	Franz Theodore Stone Laboratory
Johns, Megan	Columbus Grove High	Franz Theodore Stone Laboratory
Johnson, Stephan	Baldwin-Wallace College	V. Ray Frederick Memorial
Johnston, Douglas	Ohio State Univ	Franz Theodore Stone Laboratory
Kovacs, Vanden	Baldwin-Wallace College	V. Ray Frederick Memorial
Leibold, Holly	Madison Christian Jr High	Franz Theodore Stone Laboratory
Lewicki, Sheila**	Ohio State Univ	McDonald's Corporation
Loper, Kyle	Ohio State Univ	Ohio Aquatic Science
Marasch, Kevin	North Royalton High	Franz Theodore Stone Laboratory
Nordin, Daniella	Ohio State Univ	Bob Boyce Memorial
O'Connor, James**	Ohio State Univ	Ohio Aquatic Science
Osička, Sarah	Baldwin-Wallace College	V. Ray Frederick Memorial
Peck, Michelle	Baldwin-Wallace College	V. Ray Frederick Memorial
Pineiro, Angela	Grandview Heights High	Franz Theodore Stone Laboratory
Ratcliff, Rayna	Unio to High	Franz Theodore Stone Laboratory
Rether, Amy	Ohio State Univ	Franz Theodore Stone Laboratory
Roy, Eric	Ohio State Univ	Franz Theodore Stone Laboratory
Smith, Jessica	Elyria High	Kelly Prochazka Memorial
Stadnik, Stephanie	Ohio State Univ	Karen Jennings
Stoll, Alisha	Ohio State Univ	A. Jackson and Sally Koepp Smith
Stone, Alice**	Ohio State Univ	Wilbert "Spark" Baumler Memorial
Tornabene, Brian	Baldwin-Wallace College	V. Ray Frederick Memorial
Tulisiak, Kyle	Ohio State Univ	Ohio Aquatic Science
Willingham, Alison	Ohio State Univ	Wilbert "Spark" Baumler Memorial
Yi, Jennifer	Ohio State Univ	Franz Theodore Stone Laboratory

*Ohio Academy of Science State Science Day participant selected to receive an award

**Educator

TOTAL number of student receiving scholarships — 40

TOTAL value of scholarships — \$16,887

TABLE 55

**Stone Laboratory Scholarship Recipients
2006**

Support from external funding sources:

An **Ohio Sea Grant Fellowship** supported five teachers for enrollment in a minimum of three educator courses and a seminar in the total amount of **\$19,513**:

Bircher, Lisa
Looney, Amanda
Manzo, Lyndsey
McDonald, Craig
O'Hara, Georgia

TABLE 56

**Stone Laboratory Scholarship Recipients
2007**

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Bircher, Lisa**	Kent State Univ	V. Ray Frederick Memorial
Bohannon, Marylouise	Georgetown Jr/Sr High	Dr. Loren S. Putnam Memorial
Brown, Gloria	Ohio State Univ-Newark	A. Jackson and Sally Koepp Smith
Bruner, Laura	Ohio State Univ	Franz Theodore Stone Laboratory
Carter, Meagan	Ohio State Univ-Mansfield	George Wiczulis Memorial
Cochran, Brooke**	Ohio State Univ	V. Ray Frederick Memorial
Crary, Margaret	Ohio State Univ	Franz Theodore Stone Laboratory
Drochak, Andrea	Elyria High	Kelly Prochazka Memorial
Elking, Brie	Loveland High	Dr. Loren S. Putnam Memorial
Engoren, Elizabeth*	Sylvania Southview High	Franz Theodore Stone Laboratory
Hemmert, Jennifer	Ohio State Univ	Stone Lab Earnings
Hershey, Kyla	Ohio State Univ	Pepsi-Cola Bottling Co.
Higgins, Patrick	St Francis De Sales High	Dr. Loren S. Putnam Memorial
Hintz, Rachel	Ohio State Univ	George Wiczulis Memorial
Hochstetler, Nikki	Ohio State Univ	Franz Theodore Stone Laboratory
Jordan, Joaquin**	Ohio State Univ	V. Ray Frederick Memorial
Korfel, Chelsea	Ohio State Univ	Franz Theodore Stone Laboratory
Leahy, Katelyn	Ohio State Univ	Franz Theodore Stone Laboratory
Lewicki, Sheila**	Ohio State Univ	A. Jackson and Sally Koepp Smith
Likes, Kelley	Huron High	Dr. Loren S. Putnam Memorial
Luebbers, Jason	Village Academy	V. Ray Frederick Memorial
Macy, Thomas	Ohio State Univ	Franz Theodore Stone Laboratory
Meyers, Stephen**	Ohio State Univ	V. Ray Frederick Memorial
Murray, Jason	Ohio State Univ	A. Jackson and Sally Koepp Smith
Saupe, Erin	College of St. Benedict	V. Ray Frederick Memorial
Schaller, Elizabeth	Ohio State Univ	Franz Theodore Stone Laboratory
Smith, Brittany	Ohio State Univ	Wilbert "Spark" Baumler Memorial
Stone, Alice**	Ohio State Univ	Kelly Prochazka Memorial
Tallman, John	Ohio State Univ	Franz Theodore Stone Laboratory
Tallman, John	Ohio State Univ	Ohio Aquatic Science
Torma, Kevin	Ohio State Univ	Franz Theodore Stone Laboratory
Touzinsky, Katherine	Westerville-North High	A. Jackson and Sally Koepp Smith
Wagner, Alison	Westerville-South High	Dr. Loren S. Putnam Memorial
Warren, Megan	Westfall High	Dr. Loren S. Putnam Memorial
Wasmund, Susan**	Ohio State Univ	V. Ray Frederick Memorial
Whiteside, Jillien	Bloom-Carroll High	V. Ray Frederick Memorial
Williams, Matthew	Ohio State Univ	Ohio Aquatic Science
Williams, Matthew	Ohio State Univ	Polish Fishermen's Club
Zollos, Kristyn	Lutheran West High	Kelly Prochazka Memorial

*Ohio Academy of Science State Science Day participant selected to receive an award

**Educator

TOTAL number of students receiving scholarships — 37

TOTAL value of scholarships — \$20,755

TABLE 56

**Stone Laboratory Scholarship Recipients
2007**

Support from external funding sources:

An **Ohio Sea Grant Fellowship** supported three teachers for enrollment in a minimum of three educator courses and a seminar in the total amount of **\$12,386**:

Argabrite, Pamela
Harvey, Loretta
Roman, Samuel

TABLE 57

**Stone Laboratory Scholarship Recipients
2008**

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Cheung, Melissa	Ohio State Univ	A. Jackson and Sally Koepp Smith
Conley, Nicholas	Ohio State Univ	A. Jackson and Sally Koepp Smith
Crews, Ariel	Anthony Wayne High	A. Jackson and Sally Koepp Smith
D'Avello, Dante	Archbishop Hoban High	V. Ray Frederick Memorial
Focht, Sarah	Wm Henry Harrison High	Franz Theodore Stone Laboratory
Gallagher, Molly	Ohio State Univ	Franz Theodore Stone Laboratory
Gonya, Angela	Ohio State Univ	George Wiczulis Memorial
Gratz, Steven	Ohio State Univ-Lima	Franz Theodore Stone Laboratory
Greenfield, Joshua	Oberlin College	V. Ray Frederick Memorial
Hayes, Dustin	Mt Gilead High	Franz Theodore Stone Laboratory
Javadi, Mariam	Ohio State Univ	Franz Theodore Stone Laboratory
Kurtz, Justin	Whetstone High	Franz Theodore Stone Laboratory
Malinich, Timothy	Ohio State Univ	Franz Theodore Stone Laboratory
Musial, Cole	Avon Lake High	Kelly Prochazka Memorial
Savastano, Guy**	Ohio State Univ	Fortner Teacher Enhancement
Scribner, Lorna	Defiance High	A. Jackson and Sally Koepp Smith
Shanks, Matthew	Ohio State Univ	Wilbert "Spark" Baumler Memorial
Sugita, Megumi	Hilliard Davidson High	V. Ray Frederick Memorial
Thomas, Stephanie	West Jefferson High	Franz Theodore Stone Laboratory
Waickman, Colleen	Our Lady of the Elms High	V. Ray Frederick Memorial
Wittmer, Anna	Ohio State Univ-Mansfield	Karen Jennings
Yi, Janet	Northmont High	Franz Theodore Stone Laboratory

**Educator

TOTAL number of scholarships — **22**

TOTAL value of scholarships — **\$14,850**

TABLE 58

**Stone Laboratory Scholarship Recipients
2009**

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Artz, Cassidy	Hathaway Brown High	Franz Theodore Stone Laboratory
Bartolotta, Jill	Univ of New Hampshire, NH	V. Ray Frederick Memorial
Bernett, Taylere	Lakota East High	Franz Theodore Stone Laboratory
Betz, Mary	Central Catholic High	Franz Theodore Stone Laboratory
Capetillo, Jeremy	Ohio State Univ	A. Jackson and Sally Koeppe Smith
Crews, Ariel	Anthony Wayne High	Franz Theodore Stone Laboratory
Dailey, Kelsey	Notre Dame-Cathedral Latin School	Franz Theodore Stone Laboratory
DeChellis, Anna	Ohio State Univ	A. Jackson and Sally Koeppe Smith
DeLeon, Haley	Port Clinton High	Franz Theodore Stone Laboratory
Dunlap, William	Clinton-Massie High	Franz Theodore Stone Laboratory
Fox, Conner	Ohio State Univ	Wilbert "Spark" Baumler Memorial
Gegenheimer, Gabriella*	Upper Arlington High	Franz Theodore Stone Laboratory
Golnick, Phoenix	Oak Harbor High	Franz Theodore Stone Laboratory
Grimes, Jenny**	Ashland Univ	Fortner Teacher Enhancement
Grimes, Jenny**	Ashland Univ	Franz Theodore Stone Laboratory
Groff, Steven	Continental Local High	Franz Theodore Stone Laboratory
Heyob, Katie	Clinton-Massie High	Franz Theodore Stone Laboratory
Jennings, Allison	Loretto High, CA	Franz Theodore Stone Laboratory
Keck, Carol	Marysville High	Franz Theodore Stone Laboratory
Keisel, Kenneth	Columbus Alternative High	Franz Theodore Stone Laboratory
King, Cameron	Cardington-Lincoln High	Franz Theodore Stone Laboratory
Klase, Gary	Ohio State Univ-Wooster	A. Jackson and Sally Koeppe Smith
Kostandy, Eriny	Ohio State Univ	A. Jackson and Sally Koeppe Smith
Lowrey, John*	Upper Arlington High	Franz Theodore Stone Laboratory
Mahan, Megan	Ohio State Univ	V. Ray Frederick Memorial
Malinich, Stephanie	North Ridgeville High	Kelly Prochazka Memorial
Marth, Thomas**	Ohio State Univ	Franz Theodore Stone Laboratory
Marth, Thomas**	Ohio State Univ	Fortner Teacher Enhancement
Miller, Quinn	Ohio State Univ	Wilbert "Spark" Baumler Memorial
Noland, Jennifer	Bowling Green State Univ	V. Ray Frederick Memorial
Ochi, Shoya	Ohio State Univ	A. Jackson and Sally Koeppe Smith
Rabatin, Amanda**	Ohio State Univ	Fortner Teacher Enhancement
Reynolds, Eric	Port Clinton High	Franz Theodore Stone Laboratory
Scelina, Noelle	Home School-Ohio	Franz Theodore Stone Laboratory
Schlegel, Caleb	Ohio State Univ	Franz Theodore Stone Laboratory
Sherman, Jennifer	Laurel High	Kelly Prochazka Memorial
Shortridge, Megan	Perrysburg High	Kelly Prochazka Memorial
Shortridge, Megan	Perrysburg High	A. Jackson and Sally Koeppe Smith
Smith, Casey	Ohio State Univ	Franz Theodore Stone Laboratory
Taylor-Lehman, Vaughn	Ohio State Univ	Franz Theodore Stone Laboratory
Thrush, Mariah*	Fairfield Union High	Franz Theodore Stone Laboratory

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Verhest, Christina	Berea High	Kelly Prochazka Memorial
Wloszek, Jaclyn	Brecksville-Broadview Heights High	Kelly Prochazka Memorial
Yamsek, Laura	Youngstown State Univ	V. Ray Frederick Memorial

*Ohio Academy of Science State Science Day participant s elected to receive an award

**Educator

TOTAL number of students receiving scholarships — **41**

TOTAL value of scholarships — **\$23,080**

TABLE 59

**Stone Laboratory Scholarship Recipients
2010**

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Abell, Curtis	Michigan State Univ, MI	V. Ray Frederick Memorial
Angel, Jonathan	Malone College	V. Ray Frederick Memorial
Betz, Mary	Central Catholic High	Franz Theodore Stone Laboratory
Bonn, Anneliese	Grandview Heights High	Franz Theodore Stone Laboratory
Borrer, Rose	Central Crossing High	Franz Theodore Stone Laboratory
Calvert, Chelsea	Port Clinton High	Franz Theodore Stone Laboratory
Capetillo, Jeremy	Ohio State Univ	A. Jackson and Sally Koepp Smith
Carballada, Kiara	St Ursula Academy High	Franz Theodore Stone Laboratory
Chou, Daniel	Hawken High	Franz Theodore Stone Laboratory
Cline, Travis	Ohio State Univ	George Wiczulis Memorial
Daniels, Nicholas	Ohio State Univ	Franz Theodore Stone Laboratory
Davidson, Natalie	Miami Univ	V. Ray Frederick Memorial
Fehn, Rebecca	Ohio State Univ	Karen Jennings
Finneran, Michael	Ohio State Univ	McDonald's Corporation
Gibson, Joshua	Shawnee High	Franz Theodore Stone Laboratory
Gildner, Alana	Village Academy	Franz Theodore Stone Laboratory
Hamrick, Neil	Westerville-North High	Franz Theodore Stone Laboratory
Hardy, Demiera	South Point High	Arley Duff Blankenship Memorial
Herwerden, Emily	Berea High	Franz Theodore Stone Laboratory
Hubbert, Erica	Ohio State Univ	Fortner Teacher Enhancement
Huff, Katie	Ashland Univ	V. Ray Frederick Memorial
Johnson, Amy*	Bowling Green High	Franz Theodore Stone Laboratory
Jones, Samuel	Capital Univ	Fortner Teacher Enhancement
Kingrey, Megan	Tippecanoe High	Franz Theodore Stone Laboratory
Krymowski, Kevin	Brecksville-Broadview Hts High	Franz Theodore Stone Laboratory
Malinich, Stephanie	North Ridgeville High	Kelly Prochazka Memorial
Matchneer, Shari	Ohio State Univ	Franz Theodore Stone Laboratory
Moran, Erin	Ohio Wesleyan Univ	V. Ray Frederick Memorial
Mort, Sophia	Ohio State Univ	Franz Theodore Stone Laboratory
Murphy, Taylor	Port Clinton High	V. Ray Frederick Memorial
Newman, Daniel	Elyria Catholic High	Kelly Prochazka Memorial
Novick, Brittany	Columbia High	Kelly Prochazka Memorial
Parker, Wesley	Olentangy High	Franz Theodore Stone Laboratory
Peterson, Sarah	Ohio State Univ	Franz Theodore Stone Laboratory
Plumb, Colton	Clay High	Kelly Prochazka Memorial
Ripley, Matthew	Ohio State Univ	Wilbert "Spark" Baumler Memorial
Rucker, Sidney	Kettering Fairmont High	Franz Theodore Stone Laboratory
Rufenacht, Erica	Anthony Wayne High	Kelly Prochazka Memorial
Saintignon, Diana*	Ohio State Univ	Franz Theodore Stone Laboratory
Shulgina, Yekaterina	Dublin Coffman High	Franz Theodore Stone Laboratory
Smith, McKenzie	Maumee Val Country Day High	A. Jackson and Sally Koepp Smith
Solt, Olivia	Grandview Heights High	Franz Theodore Stone Laboratory
Tiettmeyer, Jessica	McNicholas High	Franz Theodore Stone Laboratory

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Wall, Brittany	Ohio State Univ	Wilbert "Spark" Baumler Memorial
Watson, Austin	Hudson High	Franz Theodore Stone Laboratory
Xiang, Yuxi	Upper Arlington High	Franz Theodore Stone Laboratory
Zaaed, Nima**	Ohio State Univ	Fortner Teacher Enhancement
Zumach, Jamie	McNicholas High	Franz Theodore Stone Laboratory

*Ohio Academy of Science State Science Day participant selected to receive an award

**Educator

TOTAL number of students receiving scholarships — **48**

TOTAL value of scholarships — **\$19,075**

TABLE 60

**Stone Laboratory Scholarship Recipients
2011**

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Anderson, Shane	Ohio State Univ	Wilbert "Spark" Baumler Memorial
Barker, Benjamin	Ohio State Univ	William C. Beecheler Memorial
Blackhurst, Samantha	Bishop Hartley High School	Lonz Foundation
Bollin, Penny**	Ohio State Univ	Fortner Teacher Enhancement
Brodnik, Reed	Ohio State Univ	Lonz Foundation
Brook, Daniel	Sycamore High	Arley Duff Blankenship Memorial
Chirakos, Alexandra	Dublin Coffman High	Lonz Foundation
Colvin, Benjamin	Athens High	Arley Duff Blankenship Memorial
Dong, Christina*	Stephen T Badi n High	Franz Theodore Stone Laboratory
Dong, Christina	Stephen T Badi n High	Lonz Foundation
Dong, Raymond*	Stephen T Badi n High	Franz Theodore Stone Laboratory
Dong, Raymond	Stephen T Badi n High	Lonz Foundation
Duff, Lauren	Holy Name High	Lonz Foundation
Duff, Lauren	Holy Name High	William C. Beecheler Memorial
Ewen, Kristen	Dexter High School, MI	Kelly Prochazka Memorial
Flick, Lauren	Univ of Cincinnati	V. Ray Frederick Memorial
Galko, Elizabeth	Lake Catholic High	Kelly Prochazka Memorial
Ganzfried, Marissa	Linworth Program	Franz Theodore Stone Laboratory
Gildner, Alana	Village Academy	Arley Duff Blankenship Memorial
Golnick, Phoenix	Defiance College	A. Jackson & Sally Koepp Smith
Grootmyers, Django	Columbus Alternative High	Franz Theodore Stone Laboratory
Hess, Dori**	Miami Univ	Lonz Foundation
Joy, Douglas**	Ohio State Univ	Pepsi-Cola Bottling Co.
Kamau, Wakanene	Perrysburg High	Lonz Foundation
Kamau, Wakanene	Perrysburg High	A. Jackson & Sally Koepp Smith
Kingrey, Megan	Univ of Findlay	V. Ray Frederick Memorial
Korfel, Lindsey	Wittenberg Univ	Lonz Foundation
Krempasky, Kelsey	Ohio State Univ	Arley Duff Blankenship Memorial
Leist, Rachel	Pickerington High Central	Lonz Foundation
Lundstrom, Drake	Westerville-North High	Franz Theodore Stone Laboratory
McCabe, Connor	Rutherford B Hayes High	Lonz Foundation
McCroskey, Emily	Granville High	Kelly Prochazka Memorial
Morris, Olivia	The Graham School	Lonz Foundation
Murphy, Daniel	Shaker Heights High	Kelly Prochazka Memorial
Nguyen, Thanh	Ohio State Univ	Franz Theodore Stone Laboratory
Peller, Henry	Ohio State Univ	Franz Theodore Stone Laboratory
Phillips, Andrew	Ohio State Univ	Wilbert "Spark" Baumler Memorial
Pleta, Elizabeth	Ohio State Univ	Lonz Foundation
Rufenacht, Erica	Anthony Wayne High	Kelly Prochazka Memorial
Salcido, Evan	Ohio State Univ	Lonz Foundation
Salcido, Evan	Ohio State Univ	Franz Theodore Stone Laboratory
Saunders, Cheston	Univ of North Carolina, NC	Fortner Teacher Enhancement
Seeley, Kathleen*	Benjamin Logan High	Franz Theodore Stone Laboratory
Seeley, Kathleen	Benjamin Logan High	Lonz Foundation
Simcecek, Kathryn	Twinsburg High	Kelly Prochazka Memorial
Spang, Elijah	St FrancisDe Sales High	Kelly Prochazka Memorial

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Stamey, Kamela	Bowling Green State Univ	Lonz Foundation
Stine, Elizabeth	Capital Univ	Lonz Foundation
Tisch, Brendan	Solon High	Kelly Prochazka Memorial
Traud, Brandon**	Cleveland State Univ	V. Ray Frederick Memorial
Welch, Chloe	Ohio State Univ	Lonz Foundation
Williams, Bethany	Norwayne High	Arley Duff Blankenship Memorial
Wilms, Katy	Elyria High	Kelly Prochazka Memorial
Winnicki, Sarah	Cloverleaf High	Kelly Prochazka Memorial
Wooddell, Lauren	Ohio State Univ	Lonz Foundation
Yurchisin, Rachel	Padua Franciscan High	Kelly Prochazka Memorial

*Ohio Academy of Science State Science Day participant selected to receive an award

**Educator

TOTAL number of students receiving scholarships — **50**

TOTAL value of scholarships — **\$32,235**

TABLE 61

**Stone Laboratory Scholarship Recipients
2012**

<i>Student</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Allen, Melissa	Ohio State Univ	Karen Jennings
Armfelt, Molly	Ohio State Univ	McDonald's Corporation
Bair, Halli	Grandview Heights High	Franz Theodore Stone Laboratory
Bashir, Humza*	Springfield North High	Franz Theodore Stone Laboratory
Cassidy, Blythe	Brecksville-Broadview Hts High	Franz Theodore Stone Laboratory
Chips, Michael	Univ of Pittsburgh, PA	V. Ray Frederick Memorial
Daniels, Brittany	Lorain County Community College	V. Ray Frederick Memorial
Dean, Charles	Ohio State Univ	Franz Theodore Stone Laboratory
Donovan, Christian	St Charles Preparatory High	Franz Theodore Stone Laboratory
Essien, Francis	Gannon Univ, PA	Franz Theodore Stone Laboratory
Fox, Ronald	North Olmsted High	Franz Theodore Stone Laboratory
Frazier, Debra	Ohio State Univ-Marion	Lonz Foundation
Freeman, Simon	Norwalk High	Franz Theodore Stone Laboratory
Gibbons, Kenneth	Albion College, MI	Lonz Foundation
Gibbons, Kenneth	Albion College, MI	A.Jackson and Sally Koepp Smith
Greene, Angela**	Ohio State Univ	Fortner Teacher Enhancement
Grootmyers, Django	Columbus Alternative High	Arley Duff Blankenship Memorial
Hawkins, Mary	Ohio State Univ-Lima	Lonz Foundation
Holman, Jordan*	Fairland High	Lonz Foundation
Kaiser, Jacob	Gibsonburg High	Wilbert "Spark" Baumler Memorial
Kanitz, Joseph	St Xavier High	Lonz Foundation
Klompen, Anna*	Thomas Worthington High	Franz Theodore Stone Laboratory
Kotik, Christine**	Ohio State Univ	Fortner Teacher Enhancement
Kotik, Christine**	Ohio State Univ	Lonz Foundation
Kovtun, Daniel	Solon High	Franz Theodore Stone Laboratory
Kowalski, Karina	Put-in-Bay High	Franz Theodore Stone Laboratory
Kronz, Margaret	Westlake High	Franz Theodore Stone Laboratory
LaPorta, Rachel	Baldwin-Wallace Univ	Franz Theodore Stone Laboratory
LaPorta, Rachel	Baldwin-Wallace Univ	Lonz Foundation
LaPorta, Rachel	Baldwin-Wallace Univ	V. Ray Frederick Memorial
Lombard, Alexandra	Columbus Alternative High	Franz Theodore Stone Laboratory
Lowrey, James	Upper Arlington High	Lonz Foundation
Lytten, Alex	Toledo Early College High	Franz Theodore Stone Laboratory
Mack, Kelsey	Marysville High	Arley Duff Blankenship Memorial
McCartney, Alexander	Central Catholic High	Arley Duff Blankenship Memorial
Merchant, Alifia	Ohio State Univ	Lonz Foundation
Miller, Halle*	Columbia High	Kelly Prochazka Memorial
Monaco, Erin	Ohio State Univ	Lonz Foundation
Morehouse, Emily	Amelia High	Arley Duff Blankenship Memorial
Nagy, Andrea	Cleveland State Univ	Lonz Foundation
Nagy, Gregory	Elyria Catholic High	Kelly Prochazka Memorial
Naujock, Jennifer**	Ohio State Univ	V. Ray Frederick Memorial
Nolan, Adam	Ohio State Univ	Lonz Foundation
Oh, Karin	Sycamore High	Franz Theodore Stone Laboratory
Overmier, Elizabeth**	Bowling Green State Univ	Lonz Foundation
Patmon, Justine	Ohio State Univ	Lonz Foundation

<i>Student</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Peterson, Sarah	Ohio State Univ	Charlie Morin Memorial
Preston, Anne	Transylvania Univ, KY	Franz Theodore Stone Laboratory
Quinn, Shannon	Capital Univ	Wilbert "Spark" Baumler Memorial
Ralph, Lauren	Fairfield Christian Academy	Arley Duff Blankenship Memorial
Ruh, Keith	Westerville-North High	Franz Theodore Stone Laboratory
Ruth, Kaylina	Whetsone High	Franz Theodore Stone Laboratory
Sass, Laura**	Ohio State Univ	Lonz Foundation
Semon, Gabrielle	Amherst Steele High	Kelly Prochazka Memorial
Shaw, Joseph	Ohio State Univ	Wilbert "Spark" Baumler Memorial
Shaw, Joseph	Ohio State Univ	Sandusky Bay Charter Boat Association
Steffensmeier, Zachary	Bishop Watterson High	Franz Theodore Stone Laboratory
Stokes, Lauren	Hamilton Township High	Franz Theodore Stone Laboratory
Traud, Brandon**	Ohio State Univ	Lonz Foundation
West, Connor	Pickerington High North	Franz Theodore Stone Laboratory
Wittmer, Anna	Bowling Green State Univ	V. Ray Frederick Memorial
Yurchisin, Rachel*	Padua Franciscan High	Franz Theodore Stone Laboratory
Zikmanis, Kristine	North Royalton High	Franz Theodore Stone Laboratory

*StSci Day= Ohio Academy of Science State Science Day participant selected to receive an award.

**Educator

TOTAL number of students receiving scholarships — **58**

TOTAL value of scholarships — **\$39,375**

Support from external funding sources:

The **Alphyl Endowment Fund** at Ohio State University supports Earth Systems Education efforts in Ohio and the nation and funded five educators totaling **\$2,500** who were enrolled in Geologic Setting of Lake Erie (Earth Science 5189.05) or Principles of Oceanography for Educators (Earth Science 5584):

Arends, Michael
Dutton, Shannon
Gunn, Cynthia
Hoff, Scott
Holway, Sandra

The **Center for Great Lakes Literacy** supported two educators totaling **\$1,000** in the course Climate Change Education (ENR 5690):

Ames, Melinda
Desotelle, Diane

The **Ohio Chapter of the American Fisheries Society** supported an undergraduate college-level student totaling **\$185** to attend the two-day, non-credit workshop "Fish-Sampling Techniques":

Jeremy Shechter

TABLE 62

**Stone Laboratory Scholarship Recipients
2013**

<i>Student</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Asher, Ricki	Grove City High	Kelly Prochazka Memorial
Banfield, Audra	Metro High	Lonz Foundation
Bargemann, Jacob	Walnut Hills High	Franz Theodore Stone Laboratory
Bixler, Susan	Ohio State Univ	Stone Lab
Cappotto, Kyle	Gilmour Academy High	Arley Duff Blankenship Memorial
Carnicom, Cynthia	Lourdes Univ	V. Ray Frederick Memorial
Carter, Cheyenne	Hamilton Township High	Franz Theodore Stone Laboratory
Duncan, Caitlin	Ashland Univ	Franz Theodore Stone Laboratory
Easler, Veronica	St Paul High	Lonz Foundation
Fuchs, Grace	Rutherford B Hayes High	Arley Duff Blankenship Memorial
Gabriel, Tory	Ohio State Univ	Stone Lab
Goodman, Daniel	La Lumiere HS	Arley Duff Blankenship Memorial
Graeff, Melanie	Capital Univ	Franz Theodore Stone Laboratory
Greene, Angela**	Ohio State Univ	Stone Lab
Harpster, Stephanie	Ohio State Univ-Lima	Karen Jennings
Hart, Kevin	Ohio State Univ	Stone Lab
Hawthorn, Andrew	Liberty Union High	Arley Duff Blankenship Memorial
Held, Jeremy	Westerville-South High	Arley Duff Blankenship Memorial
Hood, Brian	Westlake High	Arley Duff Blankenship Memorial
Isaacs, Brianna	Xenia High	Lonz Foundation
Johns, Vincent	Charles Sch at Ohio Dominican Univ	Lonz Foundation
Knebusch, Madeleine	West Holmes High	Kelly Prochazka Memorial
Koutras, George	Ohio State Univ	Wiczulis
Liptak, Nicholas	Ohio State Univ	Lonz Foundation
Lombard, Alexandra	Columbus Alternative High	Lonz Foundation
Lundquist, Emily	Ashland Univ	Franz Theodore Stone Laboratory
Marcic, Djordje	Centennial High	Franz Theodore Stone Laboratory
Martin, Stephanie**	Ohio State Univ	Fortner Teacher Enhancement
Maxwell, Chase	Jonathan Alder High	Lonz Foundation
Morris, Jacob	Walsh Jesuit High	Lonz Foundation
Mosgo, Brittany	Ohio State Univ	Lonz Foundation
Moss, Carly	Capital Univ	McDonald's Corporation
Newman, Lindy	Capital Univ	Lonz Foundation
Noll, Erica	Capital Univ	Lonz Foundation
O'Leary, Kelsie	Centennial High	Lonz Foundation
Orlando, Sarah	Ohio State Univ	Stone Lab
Peck, Kateline	Geneva Area High	Franz Theodore Stone Laboratory
Peck, Kateline	Geneva Area High	Arley Duff Blankenship Memorial
Reinhart, Andrew	Moeller High	Lonz Foundation
Reynolds, Brianna	Ohio State Univ-Mansfield	Lonz Foundation
Roberts, Blake	Hilliard Davidson High	Lonz Foundation
Sloan, Shelby	Ohio State Univ	A.Jackson and Sally Koepf Smith
Stingel, Elaine	Ohio State Univ-Wooster	Lonz Foundation
Tisch, Ethan	Solon High	Arley Duff Blankenship Memorial
Valentino, Ashley	Ohio State Univ	Lonz Foundation
Walker, Elizabeth	Tipecanoe High	Franz Theodore Stone Laboratory

<i>Student</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Wentzel, Stephanie	Newark High	Franz Theodore Stone Laboratory
West, Connor	Univ of South Carolina	Wilbert "Spark" Baumler Memorial
Wiechman, Paige	Univ of Maine at Machias	William C. Beecheler
Winhoven, Grace*	Lehman High	Franz Theodore Stone Laboratory
Winnicki, Joseph	Cloverleaf High	Lonz Foundation
Wituszynski, David	Ohio State Univ	Franz Theodore Stone Laboratory
Zahorec, Allison	Marion L Steele High	Lonz Foundation
Zikmanis, Kristine	North Royalton High	Franz Theodore Stone Laboratory

*StSci Day= Ohio Academy of Science State Science Day participant s elected to receive an award

**Educator

TOTAL number of students receiving scholarships — **53**

TOTAL value of scholarships — **\$29,933**

Support from external funding sources:

The **Center for Great Lakes Literacy** supported the Great Lakes Education Workshop (ENR 5611) with funding from the Great Lakes Restoration Initiative. A \$5,000 grant supported six educators in the Stone Lab workshop in the amount of **\$3,000**, and remaining funds are targeted for outreach and education fostering Great Lakes Literacy through regional efforts:

Beltz, Albert
 Holtschlag, Margaret
 Jones, Cammie
 Keung, Min
 Sanda, Carrie
 Thomas, John

Two undergraduate college-level students received funding from the **Ohio Chapter of the American Fisheries Society** totaling **\$384** to attend the two-day, non-credit workshop "Fish-Sampling Techniques":

Patmon, Justine
 Vanderhorst, Sarah

TABLE 63

**Stone Laboratory Scholarship Recipients
2014**

<i>Student</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Adams, Brianna	Danbury High	Sandusky Charter Boat Association
Allen, Destiny	Ohio State Univ	Franz Theodore Stone Laboratory
Anderson, Roxanne	Ohio State Univ-Wooster	Karen Jennings
Bailey, Leah	GlenOakHigh	Lonz Foundation
Bailey, Leah	GlenOakHigh	A.Jackson and Sally Koepp Smith
Balcerzak, Ashlee	Maumee High	Lonz Foundation
Beigel, Katherine	Ohio State Univ	Pepsi-Cola Bottling Company
Boyes, Alex	Ohio State Univ	William C. Beecheler Memorial
Bozak, Frances	Avon High	V. Ray Frederick Memorial
Cardiff, Seneca	Ohio State Univ	Lonz Foundation
Carlson, Christopher	Granville High	Kelly Prochazka Memorial
Clark, Taylor	Mt Gilead High	Lonz Foundation
Cleek, Olivia	Ohio State Univ	Arley Duff Blankenship Memorial
Culbertson, Andreas	Ohio State Univ	Lonz Foundation
DesRosiers, Scott	Albion College, MI	V. Ray Frederick Memorial
Easler, Veronica	St. Paul High	McDonald's Corporation
Evans, Christine**	Ohio State Univ	V. Ray Frederick Memorial
Evans, Peter	Univ of Dayton	Pepsi-Cola Bottling Company
Frederick, Zachary	Edison High	Lonz Foundation
Gildow, Marie	Ohio State Univ	Lonz Foundation
Greene, Angela**	Ohio State Univ	Franz Theodore Stone Laboratory
Healy, Cristen**	Ohio State Univ	Fortner Teacher Enhancement
Hulse, Jane	Trinity School at River Ridge, MN	V. Ray Frederick Memorial
Huss, Sophia	Toledo School for the Arts High	Lonz Foundation
Iacoangeli, Melanie	Ohio State Univ	Lonz Foundation
Kessinger, Brin	Ohio State Univ	Charlie Morin Memorial
Kubit, Andrew	St. Edward High	Kelly Prochazka Memorial
Kumar, Aman*	William Mason High	Franz Theodore Stone Laboratory
Lanza, Jennifer	Normandy High	"Wilbert ""Spark"" Baumler Memorial"
Lauer, Marissa	Ohio State Univ	Lonz Foundation
Lawhon, Erin	Mount Vernon Academy High	Lonz Foundation
Lucas, Kayla	Marion Harding High	Arley Duff Blankenship Memorial
Marshall, Lauren	Univ of Toledo	V. Ray Frederick Memorial
McLaughlin, Rachel	Shawnee High	Lonz Foundation
Morales, Karina	Facing History New Tech	Lonz Foundation
O'Malia, Barbara**	Ohio State Univ	Kelly Prochazka Memorial
Oprandi, Andrea	Louisville High	Lonz Foundation
Proctor, Julia	Ursuline Academy High	Lonz Foundation
Rolland, Kiara	McKinley High	Lonz Foundation
Rollo, Rebecca**	Otterbein College	Fortner Teacher Enhancement
Shutkin, Tal	Shaker Heights High	"Wilbert ""Spark"" Baumler Memorial"
Spittell, Catherine	St. Francis De Sales High	Lonz Foundation
Thorbahn, Laif	Woodmore High	Lonz Foundation
Tope, Kendra*	Bloom-Carroll High	Franz Theodore Stone Laboratory
Townsend, Tessa	Ohio State Univ	Franz Theodore Stone Laboratory
Vandemark, Michelle**	Ohio State Univ	Fortner Teacher Enhancement

<i>Student</i>	<i>Institution</i>	<i>Name of Scholarship</i>
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*StSci Day= Ohio Academy of Science State Science Day participant s elected to receive a n award

**Educator

TOTAL number of students receiving scholarships — **44**

TOTAL value of scholarships — **\$29,220**

Support from external funding sources:

The **Alphyl Endowment Fund** at Ohio State University supports Earth Systems Education efforts in Ohio and the nation and funded an educator totaling **\$500** who was enrolled in Marine and Aquatic Education (ENR 5614):

Vandemark, Michelle

Two undergraduate college-level students received funding from the **Ohio Chapter of the American Fisheries Society** totaling **\$434** to attend the two-day, non-credit workshop “Fish-Sampling Techniques”:

Giordano, Anna

Ruth, Kaylina

TABLE 64

**Stone Laboratory Research Experience for Undergraduates
2006**

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Barrett, Amy	Ohio State Univ	John L. Crites Research
Chaffin, Justin	Bowling Green State Univ	Franz T. Stone Laboratory Research
Crary, Margaret	Ohio State Univ	Thomas Huxley Langlois Research
Hitchcock, Lauren	Ohio State Univ	Franz T. Stone Laboratory Research
Lawson, Tyler	Baldwin-Wallace College	Franz T. Stone Laboratory Research
Marasco, Mary	Ohio State Univ	Franz T. Stone Laboratory Research
Sizemore, Jessica	Ohio State Univ	Franz T. Stone Laboratory Research
Speer, Brian	Ashland Univ	Franz T. Stone Laboratory Research
Vue, Sherr	Ohio State Univ	Franz T. Stone Laboratory Research
Vue, Sherr	Ohio State Univ	Ohio Aquatic Science
TOTAL number of students receiving an REU— 9		TOTAL value of REU's— \$26,348

TABLE 65

**Stone Laboratory Research Experience for Undergraduates
2007**

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Castorani, Christopher	Ohio State Univ	John L. Crites Research
Castorani, Christopher	Ohio State Univ	Franz T. Stone Laboratory Research
Dubelko, Gwen	Ohio State Univ	John L. Crites Research
Eckardt, Megan	Vanderbilt Univ	Thomas Huxley Langlois Research
Hanson, Keith	Baldwin-Wallace College	Thomas Huxley Langlois Research
Hanson, Keith	Baldwin-Wallace College	Franz T. Stone Laboratory Research
Hartzog, Paul	Ohio State Univ	Thomas Huxley Langlois Research
Kurtzman, Shawn	Ohio Wesleyan Univ	Franz T. Stone Laboratory Research
Lehmann, Sophie	College of Wooster	Franz T. Stone Laboratory Research
Norman, Sarah	Wittenberg Univ	Franz T. Stone Laboratory Research
Pope, Aloah	Ohio State Univ	Franz T. Stone Laboratory Research
Wibberley, Aaron	Ohio State Univ	Franz T. Stone Laboratory Research
Yi, Jennifer	Ohio State Univ	Franz T. Stone Laboratory Research
TOTAL number of students receiving an REU— 11		TOTAL value of REU's— \$37,271

TABLE 66

**Stone Laboratory Research Experience for Undergraduates
2008**

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Bohlen, Stephanie	Ohio State Univ	John L. Crites Research
Bohlen, Stephanie	Ohio State Univ	Thomas Huxley Langlois Research
Cheung, Melissa	Ohio State Univ	Franz T. Stone Laboratory Research
Hershey, Kyla	Ohio State Univ	Franz T. Stone Laboratory Research
Keeler, Jason	Ohio State Univ	Franz T. Stone Laboratory Research
Miller, Amy	Ohio State Univ	Franz T. Stone Laboratory Research
Nims, Megan	Ohio State Univ	Franz T. Stone Laboratory Research
Rose, Sarah	Ohio State Univ	Franz T. Stone Laboratory Research
Schaller, Elizabeth	Ohio State Univ	Franz T. Stone Laboratory Research
Viterna, Jamie	Ohio State Univ	Franz T. Stone Laboratory Research
TOTAL number of students receiving an REU—9		TOTAL value of REU's— \$27,239

TABLE 67

**Stone Laboratory Research Experience for Undergraduates
2009**

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Dalefield, Martin	Ohio State Univ	Franz T. Stone Laboratory Research
Dean, Sarah	Ohio State Univ	John H. Dunlap, Jr.
Elking, Brie	Ohio State Univ	John H. Dunlap, Jr.
Fullard, Clarence	Ohio State Univ	Franz T. Stone Laboratory Research
Fullard, Clarence	Ohio State Univ	John H. Dunlap, Jr.
Gratz, Steven	Ohio State Univ-Lima	Franz T. Stone Laboratory Research
Kruzer, Amy	Baldwin-Wallace College	Franz T. Stone Laboratory Research
Linkous, Emily	Wittenberg Univ	Franz T. Stone Laboratory Research
Long, Lawrence	Ohio State Univ	Franz T. Stone Laboratory Research
Malinich, Timothy	Ohio State Univ	Franz T. Stone Laboratory Research
Palestrant, Leah	Ohio State Univ	Franz T. Stone Laboratory Research
Primer, Samantha	Ohio State Univ	Franz T. Stone Laboratory Research
TOTAL number of students receiving an REU— 11		TOTAL value of REU's— \$31,556

TABLE 68

**Stone Laboratory Research Experience for Undergraduates
2010**

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Baehrens, Aimee	Ohio Northern Univ	Franz T. Stone Laboratory Research
Gallagher, Molly	Ohio State Univ	Franz T. Stone Laboratory Research
Golnick, Phoenix	Defiance College	Franz T. Stone Laboratory Research
Huff, Katie	Ashland Univ	John L. Crites Research
Liebig, Danielle	Ohio State Univ	Franz T. Stone Laboratory Research
Matchneer, Shari	Ohio State Univ	John L. Crites Research
Moran, Erin	Ohio Wesleyan Univ	John L. Crites Research
Neugebauer, Joanne	Ohio Wesleyan Univ	Franz T. Stone Laboratory Research
TOTAL number of students receiving an REU—8		TOTAL value of REU's— \$18,926

TABLE 69

**Stone Laboratory Research Experience for Undergraduates
2011**

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Arroyo, Nathan	Ohio State Univ	John L. Crites Research
Brodnik, Reed	Ohio State Univ	Friends of Stone Laboratory
Dimick, Sara	Lake Superior State Univ, MI	Franz T. Stone Laboratory Research
Flick, Lauren	Univ of Cincinnati	John L. Crites Research
Golnick, Phoenix	Defiance College	Franz T. Stone Laboratory Research
Grayson, John	Ohio State Univ	Franz T. Stone Laboratory Research
Hughes, Maya	Ohio State Univ	Franz T. Stone Laboratory Research
Korfel, Lindsey	Wittenberg Univ	Franz T. Stone Laboratory Research
Mort, Sophia	Ohio State Univ	Franz T. Stone Laboratory Research
Stoklosa, Samantha	Ohio State Univ	Franz T. Stone Laboratory Research
Thompson, Hilary	Ohio State Univ	Franz T. Stone Laboratory Research
Welch, Kathryn	John Carroll Univ	Franz T. Stone Laboratory Research
Welch, Kathryn	John Carroll Univ	John L. Crites Research

TOTAL number of students receiving an REU—**12**

TOTAL value of REU's—**\$37,164**

TABLE 70

**Stone Laboratory Research Experience for Undergraduates
2012**

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Bellis, Rachel	Baldwin-Wallace Univ	Franz T. Stone Laboratory Research
Ganzfried, Marissa*	Baldwin-Wallace Univ	Thomas Huxley Langlois Research
Gostiaux, Jason	Lake Superior State Univ, MI	Franz T. Stone Laboratory Research
Hefflinger, Rachel	Ohio State Univ	John L. Crites Research
Kaseman, Justine	Bowling Green State Univ	Franz T. Stone Laboratory Research
Ndinga Muniania, Cedric	Kent State Univ	Franz T. Stone Laboratory Research
Noffsinger, Anastasia	Ohio State Univ	Friends of Stone Laboratory
Perello, Melanie	Westminster College, PA	Thomas Huxley Langlois Research
Steyer, Andrew	Bowling Green State Univ	Franz T. Stone Laboratory Research
Thompson, Tara	Bowling Green State Univ	Franz T. Stone Laboratory Research

*Research Scholar

TOTAL number of students receiving an REU—**10**

TOTAL value of REU's—**\$36,823**

TABLE 71

**Stone Laboratory Research Experience for Undergraduates
2013**

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Altemus, Catherine	Ohio State Univ	Franz T. Stone Laboratory Research
Altemus, Catherine	Ohio State Univ	John L. Crites Research
Christian, Emily	Ohio State Univ	Franz T. Stone Laboratory Research
Christian, Emily	Ohio State Univ	Thomas Huxley Langlois Research
Harpster, Stephanie	Ohio State Univ, Lima	Franz T. Stone Laboratory Research
Maloney, Katie	Ohio State Univ	Franz T. Stone Laboratory Research
McGrail, Rebecca	Saint Vincent College, PA	Franz T. Stone Laboratory Research
Miller, Kayla	Bowling Green State Univ	Franz T. Stone Laboratory Research
Schultz, Kelsey	Ohio State Univ	Friends of Stone Laboratory
Schultz, Kelsey	Ohio State Univ	Franz T. Stone Laboratory Research
Vanderhorst, Sarah	Ohio State Univ	Friends of Stone Laboratory
Williams, BreAnne	Ohio State Univ	Friends of Stone Laboratory
Winnicki, Sarah	Denison Univ	Friends of Stone Laboratory
TOTAL number of students receiving an REU — 10		TOTAL value of REU's — \$41,150

TABLE 72

**Stone Laboratory Research Experience for Undergraduates
2014**

<i>Name</i>	<i>Institution</i>	<i>Name of Scholarship</i>
Atkinson, Tiffany	Ohio State Univ	John L. Crites Research
DesRosiers, Scott	Albion College	Franz T. Stone Laboratory Research
DiPietro, Rachel	North Central Coll	Franz T. Stone Laboratory Research
Ortega, Karen	Cornell Univ	Friends of Stone Laboratory
Perry, Doyt	Ohio State Univ	Franz T. Stone Laboratory Research
Schoonyan, Abby	Lake Superior State Univ	Franz T. Stone Laboratory Research
Simons, Victoria	Ohio State Univ	Friends of Stone Laboratory
Smith, Laura	Ohio State Univ	John L. Crites Research
Smith, Laura	Ohio State Univ	Franz T. Stone Laboratory Research
Stierwalt, Kathryn	Ohio State Univ	Friends of Stone Laboratory
Zundel, Sarah	Univ of Montana	Franz T. Stone Laboratory Research

TOTAL number of students receiving an REU — **10**

TOTAL value of REU's — **\$41,946**