

OUR ENVIRONMENT...OUR FUTURE



Fourteenth Annual Environmental Education

SYMPOSIUM

February 11-12, 2011

Marriott Hotel • Baton Rouge, Louisiana

State of Louisiana



BOBBY JINDAL
GOVERNOR

Post Office Box 94004
Baton Rouge, LA 70804-9004

OFFICE OF THE GOVERNOR

January 26, 2011

Welcome to the 2011 Environmental Education Symposium!

As Louisiana faces the enduring challenge to restore our wetlands and natural resources from the effects of the 2010 oil spill, environmental education, now more than ever, is an important part of protecting our environment for the future. This symposium is a unique opportunity to provide you, our leaders and educators, with a wealth of information and resources to carry into the classroom and into your everyday life.

The presenters and exhibitors are delighted to share their fresh ideas and enthusiasm in hopes that you will encourage our children to grow up with pride for our state and prepare them with the knowledge needed to act as good stewards of the environment. We have some of the most beautiful and diverse wetlands and natural habitats in the nation, and we must continue working to protect these assets.

As we move forward, I ask that you continue your dedication to improving Louisiana. Our state will overcome its recent challenges and come back stronger than ever.

On behalf of the State of Louisiana, thank you for teaching our future leaders.



Very Truly Yours,

Governor Bobby Jindal
State of Louisiana



Dear Colleagues,

Welcome to the 14th Annual Louisiana Environmental Education Symposium! We are pleased that you will be joining us for this wonderful professional development opportunity. With seven short courses and thirty concurrent sessions to choose from, we know that you will find this year's chosen presentations to be diverse and inspiring! In addition to this outstanding session lineup, we are also providing you with an opportunity to meet with exhibitors representing various state and federal agencies, non-profit groups, and other organizations with an environmental focus – all with dedicated staff available to discuss their various programs and educational opportunities.

I would like to extend **my heartfelt appreciation** to each of you for taking the time out of your busy schedules to attend this worthwhile event. In addition, I would like to thank all of those that have contributed to the success of this event. Thanks to all of our presenters, exhibitors, and to our keynote speaker, Jennifer Pike. Thanks also to our symposium committee members, sponsors, volunteers, and most especially the Louisiana Environmental Education Commission Coordinator, Venise Ortego and Assistant Coordinator, Juliet Raffray.

Please make sure to visit the Environmental Education Commission booth located in the exhibit area to find out about our other environmental education initiatives. We offer Educator, Professional Development, and Research Grant opportunities for teachers, informal environmental educators, and university students. Also be sure to pick up information related to our upcoming 9th Annual Environmental Awareness Art and Language Arts Contest for K-12 students.

So learn something new, meet a new colleague, become inspired with new classroom ideas, pick up some freebies, collaborate, network, and most importantly, **enjoy the symposium!**

Vladimir Alexander Appeaning, Ph.D.— LEEC Chair

Louisiana Environmental Education Commission

Board of Elementary & Secondary Education
Dale Bayard

Board of Regents
Nancy Rabalais, Ph. D.

Environmental Advocacy
Jonathan Dearbone
Brad Droy, Ph. D.

Industry
Susan Testroet-Bergeron

Local Government
Mayor Murphy McMillin

LA Department of Agriculture & Forestry
Wade Dubea

LA Department of Culture, Recreation, & Tourism
Aimee Robert

LA Department of Education
Ann Wilson

LA Department of Environmental Quality
Vladimir Appeaning, Ph. D., Chair

LA Department of Health & Hospitals
Gary Balsamo, DVM

LA Department of Natural Resources
Louis E. Buatt

LA Department of Wildlife & Fisheries
Angela Capello

LA Environmental Education Association
Listed by Congressional Districts

District 1 – Marie Tizzard
District 2 – Dinah Maygarden
District 3 – Allyn Rodriguez
District 4 – Connie Conner, Chair-Elect
District 5 – Mary Fuglaar
District 6 – Dianne Lindstedt, Secretary
District 7 – Heidi Hitter

LA Science Teachers Association
Charlotte Bihm, Past Chair

LSU Agricultural Center
David Boldt

Professional Environmental Scientist
Deepak Bhatnagar

Small Business
Bettsie Miller

Southern University
Leodrey Williams, Ph. D.

Environmental Education Coordinator
Venise Ortego

Environmental Education
Assistant Coordinator
Juliet Raffray

A SPECIAL THANKS!

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SYMPOSIUM OVERVIEW

FRIDAY, FEBRUARY 11

Times vary

5:00 pm-8:00 pm

5:00 pm-6:00 pm

6:00 pm-8:00 pm

Short Course Activities

Registration

Louisiana Environmental Education Association Meeting

Social-Mixer/Meet the Exhibitors/

Research Showcase (Salons I/II)

SATURDAY: FEBRUARY 12

7:00 am-8:00 am

7:30 am-12:50 pm

8:00 am-10:50 am

10:50 am-11:30 am

11:30 am-1:20 pm

1:20 pm-2:50 pm

2:50 pm

Registration & Continental Breakfast

Exhibit Hall Open (Salons I/II)

Concurrent Sessions

Snack Break/Exhibit Hall

Concurrent Sessions

Lunch with Keynote Address (Salons III/IV)

Adjournment

Keynote Speaker ~ Jennifer Pike

“Moving Toward a Comprehensive Restoration of the Gulf of Mexico”

Jennifer Pike is the deputy director of Ocean Conservancy’s Gulf Restoration Program. In that capacity she leads the organization’s Gulf Restoration Center in New Orleans, which is focused on promoting and supporting the development of a region-wide, science-based ecosystem restoration strategy that addresses the effects of the BP Deepwater Horizon oil spill and legacy degradation of the Gulf of Mexico.



Prior to that she served as research director of the Public Affairs Research Council of Louisiana where she led the organization’s development of two new research areas – disaster recovery finance and health care policy. She held the Ty Keller Endowed Research Chair in State Finance. Throughout her tenure, Pike led the production of over 40 in-depth reports and research briefs. She also served on the Board of Trustees for the Governmental Research Association, the national network of individuals professionally engaged in governmental research. Ms. Pike is an alumnus of Louisiana State University, where she earned Bachelor of Arts degrees in mass communication and Spanish literature and a Master of Arts in Political Science.

Friday Short Courses Sessions

- 8:30 am–5:00 pm **All Aboard to Audubon Tour**
Presenters: Rose Butler, Audubon Nature Institute
- 8:00 am–3:30 pm **Old River Control Structure Tour**
Presenters: Susan Testroet-Bergeron, CWPPRA Education Specialist
Rachel Rodi, U.S. Army Corps of Engineers
- 7:00 am–2:30 pm **Eagle Expo Tour**
Presenters: Richard DeMay & Alma Robichaux, BTNEP
Mitch Samaha, LA Department of Wildlife & Fisheries
- 9:00 am–3:00 pm **Talk About Climate Change Workshop**
Presenter: Dianne Lindstedt, LSU Sea Grant
- 9:00 am–3:00 pm **Waste In Place / Nature Explore Workshop**
Presenters: Melanie Peck, Keep Louisiana Beautiful
Joanne Bourgeois & Evva Wilson, Keep WBR Beautiful
- 9:00 am–3:00 pm **Water Quality Testing for the Field & Classroom Workshop**
Presenter: Al Hindrichs, Department of Environmental Quality
- 8:30 am–3:30 pm **Wetland Education Through Maps & Aerial Photography Workshop**
Presenters: Larry Handley/Catherine Lockwood, WETMAAP Dev. Team
Jessie Kastler, Gulf Coast Research Laboratory

Friday Evening Research Showcase

2010 Environmental Education Research Grant recipients will be showcasing their research projects during the Friday evening Exhibits Showcase & Reception.

Jason Theriot - *“Building America's Energy Corridor: Oil & Gas Development & Louisiana's Wetlands”*

A Ph.D. dissertation in history at the University of Houston; it is an environmental history of the oil and gas industry in Coastal Louisiana and focuses on the growth and environmental impact of the pipeline infrastructure over time.

Jessica Henkel - *“Effects of the Deepwater Horizon Oil Spill on Migratory Shorebirds”*

This research addresses the impacts of the Deepwater Horizon oil on migratory shorebirds that winter along the northern Gulf of Mexico. I combine measures of toxicological status, invertebrate abundance, and habitat quality to examine the continued impacts of this disaster.

April Mason - *“Is the Red River a source of nitrate to the Atchafalaya River? Using Natural Isotope tracing to determine the fate of nitrogen in the Atchafalaya River Basin.”*

The Mississippi-Atchafalaya River exports over 1.2×10^6 -tonnes of nitrate each year to the Gulf of Mexico. Thought to not be a significant contribution to the Atchafalaya River, the Red River drains many agriculturally affected tributaries that may contribute nitrate to the Atchafalaya River Basin, complicating the understanding of nitrogen dynamics in it.

Timothy Rosen - *“Vegetative stabilization of emerged delta lobes in Coastal Louisiana”*

Coastal Louisiana has undergone accelerated land loss over the past century. The Atchafalaya delta is one of the few areas that have increasing land; better understanding the sediment and vegetation dynamics of this area is important for future coastal stabilization and restoration.

Modeling the Multiple Lines of Defense for Hurricane Protection

JoAnn Burke

Lake Pontchartrain Basin Foundation

Incorporating hands-on techniques, teachers will use simple materials to see different ways for students to demonstrate the multiple lines of defense strategy for hurricane protection created by the Lake Pontchartrain Basin Foundation.

General Hands-On Workshop
[ACADIA]

Swamp Rabbit Habitat: An Interactive Tale About the Bottomland Hardwood Swamp Ecosystem

Amy Ouchley & Blenda McHenry

University of Louisiana at Monroe

Visit with Swamper, the swamp rabbit, as he tells you about his friends in Mossy Slough, a part of the bottomland hardwood swamp ecosystem in north Louisiana. This interactive story emphasizes natural connections, includes a literacy strategy, and a hands-on activity.

Grades K-4 Hands-On Workshop
[VERMILLION]

Opportunities in Field Science Education at UNO's Coastal Education and Research Facility (CERF)

Dinah Maygarden & Heather Egger

University of New Orleans

UNO's Coastal Education and Research Facility is an ideal place for field-based, inquiry science. We will show examples of activities we offer to students and teachers and provide drafts of lessons from our teachers guide that we are developing with Turtle Cove.

General Exemplary Program
[BIENVILLE]

Walter B. Jacobs Memorial Nature Park and Oil City Magnet School – A Learning Combination

Cindy Kilpatrick & Mike Irvin

Oil City Magnet School

We will share a successful multi-trip field study between the local Caddo Parish nature park and Oil City Magnet School. During the six visits to the park, sixth grade students sharpen observation skills, compare seasonal changes, and experience nature "rain or shine".

Grades 5-8, 9-12 Exemplary Program
[CAMELLIA]

Oil Spill Activities for the Classroom

Dianne Lindstedt, LSU Sea Grant

Angela Capello, LA Dept. of Wildlife & Fisheries

Tricia LeBlanc, Audubon Nature Institute

Start your discussion about oil spills with materials tailored to Louisiana and the Gulf. Get an overview of a collaborative oil spill education package and sample an inquiry lesson related to seafood tainting and a turtle recovery game.

Grades 5-8, 9-12 Hands-On Workshop
[ORLEANS]

Favorites from NAAEE 2010 in Buffalo for Classroom Teachers

Janie Braud

East Baton Rouge Parish School System

Quick overviews of a few favorite sessions applicable for classroom teachers from NAAEE 2010 (North American Association for Environmental Education Annual Conference) including lessons from Bird Sleuth, Population Connection, The Incredible Carbon Cycle, and Earth Labs. Get psyched to attend October conference in Raleigh-Durham, North Carolina.

Grades 5-8, 9-12 Lesson Demonstration
[MAGNOLIA]

Deconstructing Haiti:

Science, Seismicity & Superstition

Ivan Gill, University of New Orleans

One year ago, Haiti was struck by a large-magnitude earthquake with an epicenter close to the center of population of the island. Destruction was massive, suffering remains intense. Media outlets contained reports that the earthquake was caused by a supernatural pact. What are the arguments, and what are the ways to handle this in the classroom?

Grades 9-12 Lesson Demonstration
[ACADIA]

Utilize Geographic Skills to Investigate the Environment

Paul Nagel

LA Geography Education Alliance

Why did the oil rig blow up in the Gulf of Mexico? What economic impact does the oil spill have on Gulf of Mexico communities from Texas to Florida? These questions can be framed within geographic inquiry and geographic skills. We need to challenge our students to think about the world in which we live. In this hands-on workshop learn how to continue to inspire your students through inquiry

Grades K-4; 5-8 Hands-On, Lesson Demo
[BIENVILLE]

Federal and State Environmental Criminal Investigation: An Overview

Mike Daniels & Jeff Nolan

LDEQ – Criminal Investigation Division

The presentation will be an overview of the investigation and prosecution of persons that violate the criminal provisions of the Louisiana Environmental Quality Act and similar federal statutes. Attendees will learn more about the types of complaints received by LDEQ-CID and the US EPA-CID, how and why environmental criminal investigations are initiated and conducted, and learn about actual cases.

Grades 5-8, 9-12 Exemplary Program
[ORLEANS]

Bone Up on Skull Skills

Rose Butler

Audubon Nature Institute

Learn the art of teaching with skulls and other biofacts. We will look at skulls and pelts from a variety of animals and other biofacts and discuss the GLE's that can be covered using these interesting objects.

General Hands-On Workshop
[VERMILLION]

Engaging Youth in Important Work on Public Lands

I.J. "Zac" Burson, III & Lisa Shook

Bossier Parish Schools

We would like to share how Bossier Parish students have partnered with Friends of the Red River National Wildlife Refuge as well as US Fish and Wildlife staff to participate in service work on public lands. In the last year, students have participated in invasive species removal, trail construction, interpretative information booth construction, and preparations for outreach events.

Grades 5-8, 9-12 Lesson Demonstration
[CAMELLIA]

Outdoor Classroom Adventure

Jennifer Ronquillo

Pontchartrain Elementary

Learn how to plant an arboretum on your campus and teach in an outdoor classroom! Let me share my tips for starting your school's own arboretum, including which LA benchmarks you and your students will address during your project!

General Exemplary Program
[MAGNOLIA]

Opening the Bayou: Project Based Learning in Environmental Science

Ivan Gill

University of New Orleans

Hurricane Katrina flooded the majority of the City of New Orleans, primarily through failures of levees and seawalls on inland waterways. Now there is discussion of opening up a natural waterway that reaches into the heart of New Orleans. It makes a superb environmental/multidisciplinary project for science students.

Grades 9-12 **Exemplary Program**
[ACADIA]

Beyond Ordinary: A New View of Plankton

Murt Conover

Louisiana Universities Marine Consortium

Participants will learn about plankton and how they impact water quality. Session will briefly cover the formation of Gulf Hypoxia. Learn to sieve and filter plankton samples. Every participant will make slides and view them under microscopes. Explore plankton more in-depth with the new LUMCON web-based phytoplankton guide.

Grades 5-8, 9-12 **Hands-On Workshop**
[VERMILLION]

Do Trains Float?

Robin Ward McCartney

University of Louisiana at Lafayette

Maglev is an environmental train that goes 350-500 miles an hour. This train is currently used in other countries today. The Maglev is totally environmental. Come to this "hands-on" workshop and see how it works!

General **Hands-On Workshop**
[BIENVILLE]

Youth Answering the Call to Service

Denise Dowell

Louisiana Serve Commission

The Louisiana Serve Commission's Learn and Serve program provides funding opportunities for K-12 public school service-learning programs that link academics with community service projects. Come learn about Global Youth Service Day opportunities in April 2011 for all youth ages 5 to 25.

General **Exemplary Program**
[CAMELLIA]

Oil Spill in a Pan

Alma Robichaux

Barataria-Terrebonne National Estuary Program

Help your students learn about cleaning up an oil spill first hand! We will use vegetable oil/cocoa, skimmers (eye droppers), absorbent boom (cotton balls and other absorbent materials), hard boom (wooden sticks), grass and hair to demonstrate how an oil spill is cleaned up. We will also use a dispersant (Dawn®).

Grades K-4; 5-8 **Hands-On Workshop**
[ORLEANS]

"Goeverything" in Your Classroom

Steven Babcock

LSU Laboratory School

Discover the power of real and virtual fieldwork using Google Earth, GPSr, and geotagging. Learn how to incorporate geographic information systems like Louisiana Department of Natural Resources "SONRIS" data into your environmental, life, and earth science classrooms. Find out how to turn your travel photos into meaningful experiences for students.

General **Lesson Demonstration**
[MAGNOLIA]

Water: The Next Generation's Oil

Lindsay Gouedy
Sparta Foundation

Water is the most important natural resource on the planet. For years this precious resource has been undervalued, underappreciated, and all around taken for granted. But what about in the future, will our children have the same luxury those before them have had? In this session you will learn where your water comes from, discuss the importance of water conservation and recycling innovations, and see the impact of pollution on our planet's water supply. Most importantly, you will learn which water education topic fits best with which grade level.

General **Hands-On, Lesson Demo**
[ACADIA]

Clouds-In and Out

Blenda McHenry, Baskin School
Amy Ouchley, University of Louisiana at Monroe
Interactive slide show in which participants determine shapes in clouds, describe types of clouds, create an acrostic poem, draw and label the water cycle, and complete an experiment in which they create a cloud in a jar.

Grades 5-8 **Hands-On Workshop**
[BIENVILLE]

Oil and Gas in the Gulf of Mexico— A Primer

Lee Yokel, Gulf of Mexico Alliance – Dauphin Island Sea Lab

This presentation will provide a geologic overview for the Gulf of Mexico and why it is a good location for oil and gas development.

Grades 5-8, 9-12 **Exemplary Program**
[ORLEANS]

Youth Wetlands Education and Outreach Program – Training Future Leaders to Save America's Treasure

Ashley Mullens & Hilary Collis
LSU AgCenter – Youth Wetlands Education & Outreach Program

The Youth Wetlands Program (YWP) provides wetland curriculum and teaching supplies *free* to any teacher who registers. It also works with schools to get students involved in a variety of hands-on wetland restoration service projects. This workshop will provide an overview of the program and participants will receive hands-on training of some of the YWP's lessons.

Grades 5-8, 9-12 **Hands-On Workshop**
[CAMELLIA]

Furbearers in the Classroom

Quentin Morris, LA Department of Wildlife & Fisheries/Louisiana Fur Council

Discussion of how various topics relating to Louisiana furbearers can be used as a part of classroom teaching and how various furbearer issues relate to different subject areas. Explanation of how fur trapping is an important part of land and habitat management today.

General **Lesson Demonstration**
[VERMILLION]

Diseases from Animals in the Environment

Gary Balsamo
LA Department of Health and Hospitals

This is a review of the most important diseases of animals in Louisiana's environment that are transmissible to man. The presentation will include lesson plan ideas customized to elementary, middle school and secondary educational levels.

General **Lesson Demonstration**
[MAGNOLIA]

WETSHOP – A Wetlands Institute

MattiLynn Dantin

LA Department of Wildlife & Fisheries

Discover how you can be part of a week-long wetland workshop that introduces educators to the importance of Louisiana's shores, wetland loss, and restoration efforts. Open to all science/history teachers. WETSHOP provides 85 hours of professional development and numerous wetlands classroom resources.

General
[ACADIA]

Exemplary Program

Resources to Enrich the Science Curriculum

Cassie Thibodeaux & Susan Testroet-Bergeron

U.S. Geological Survey National Wetlands

Research Center

Want to spice up your lesson plans? The National Biological Information Infrastructure (NBII) can make your life easier! Learn how the NBII can help with lesson enrichment and development. Check out how NBII's extensive collection of resources has been mapped to selected Louisiana GLEs.

General
[BIENVILLE]

Lesson Demonstration

Making Biodiesel: A 21st Century Teaching Opportunity

Hamilton Simons-Jones, Daniel Nunez & Danny Devereaux, Operation REACH, Inc.

This hands-on learning workshop provides teachers with an innovative approach to teaching environmental awareness, chemistry, and math by converting used cooking oil into eco-friendly biodiesel fuel. The lesson is part of a larger effort led by Operation REACH's Gulfsouth Youth Biodiesel Project that uses the production and sale of biodiesel fuel from used cooking oil as a means of educating and developing leadership and social entrepreneurship of young people for green jobs.

Grades 9-12
[ORLEANS]

Hands-On Workshop

Future Leaders of America's Gulf

Vincent Cannata

Future Leaders of America's Gulf (FLAG)

Future Leaders of America's Gulf (FLAG) is a 501© 3 non-profit organization formed entirely by high school students and focused on educating other youth, as well as the general public, on the plight of the region we so dearly love, Louisiana and the Gulf Coast.

Grades 9-12
[CAMELLIA]

Exemplary Program

"Home Sweet Habitat" National Park Service Traveling Trunk – Bringing the Swamp to your Class!

Allyn Rodriguez

Jean Lafitte National Historical Park & Preserve

"Home Sweet Habitat" has replica artifacts and bio-facts to facilitate and enhance learning and recall for tests. All lesson plans are cross-curricular and tied directly to Louisiana State and Federal education standards and grade level expectations. BRING LEARNING ALIVE!

Grades K-4; 5-8
[VERMILLION]

Hands-On, Lesson Demo

"Big" News About "Nano"

Dawn Edelen, Lafayette Science Museum

Who hasn't heard of Apple's iPod Nano? And parents of uniform-wearing children are indeed grateful for the stain-resistant Nano-Tex treated clothes available at popular retailers like JC Penny's and Eddie Bauer. Yet most folks get quite tongue-tied when asked, "so..., what is nano?...what does nano have to do with me?...what does nano have to do with the environment?". Join me for a fast paced, humorous, hands-on lesson where participants cut, pour, spray, assemble, and sniff their way to a new understanding of Nanotechnology. Learn how to share that knowledge (and the fun) with your students back in class!

General
[MAGNOLIA]

Hands-On Workshop

Environmental Education Grants

Sponsored by the Environmental Education Commission

The Environmental Education Commission annually offers environmental education grants that target Louisiana citizens. The deadline to submit is **March 15, 2011**. The following is a *brief* overview of the grants offered:

Educator Grants

Focus: Based on sound scientific principles, have an environmental focus and directly impact K-12 students

Those eligible: Fulltime classroom teachers in accredited public and non-public schools

Grant amount: Not to exceed \$1,000 for 1 teacher, \$2,000 for 2 or more teachers jointly

Professional Development Grants

Focus: Based on sound scientific principles, have an environmental focus and directly impact Pre-Service and/or In-Service Educators

Those eligible: Non-Profit Organizations, Governmental Agencies, Non-Formal/Formal Educators, Colleges and Universities

Grant amount: Not to exceed \$2,500

University Research Grants

Focus: Post-graduate research with a focus on environmental issues

Those eligible: Louisiana university students who are working toward a Masters Degree, Ph.D., or conducting post Ph.D. research with a focus on environmental issues

Grant amount: Not to exceed \$1,000

2011 grant applications can be found on our website at: <http://www.wlf.louisiana.gov/grant-opportunities>.

Or contact Venise Ortego at vortego@wlf.la.gov for additional information.

2010 GRANT RECIPIENTS

RESEARCH GRANTS

Ganesh Bhattarai	<i>Louisiana State University</i>
April BryantMason	<i>LSU AgCenter</i>
Becky Carmichael	<i>Louisiana State University</i>
Matthew Chatfield	<i>Tulane University</i>
Benjamin Dubansky	<i>Louisiana State University</i>
Mandy Green	<i>Louisiana State University</i>
Audrey Hall	<i>LSU AgCenter</i>
Jessica Henkel	<i>Tulane University</i>
Timothy Rosen	<i>LSU AgCenter</i>
Patrick Smith	<i>University of New Orleans</i>
Jason Theriot	<i>Louisiana State University</i>

PROFESSIONAL DEVELOPMENT GRANTS

Pateece Davis-Hardy	<i>Caddo Public Schools</i>
Mitzi Dohrman	<i>Vermilion Soil & Water Cons. Dist.</i>
Catherine Williamson	<i>Sci-Port: LA's Science Center</i>

EDUCATOR GRANTS

Janice Catledge	<i>Gretna No. 2 Academy</i>
Betty Wheeler	<i>Gretna No. 2 Academy</i>
Angela Collins	<i>Lutcher High School</i>
Mary Legoria	<i>Westdale Heights Academic Magnet</i>
Pam Fry	<i>Westdale Heights Academic Magnet</i>
Mark Litton	<i>Zwolle High School</i>
Mary Lou Revere	<i>Northside Tech Middle School</i>
Jennifer Ronquillo	<i>Pontchartrain Elementary School</i>
Jerri Angeron	<i>Pontchartrain Elementary School</i>
Judy Schmollinger	<i>Thomas Jefferson High School</i>
Hollie Fox	<i>Thomas Jefferson High School</i>
Janell Simpson	<i>Patrick F. Taylor Sci. & Tech. Acad.</i>
Katie Higgins	<i>Patrick F. Taylor Sci. & Tech. Acad.</i>
Crystal Stockstill	<i>Boley Elementary School</i>

CONGRATULATIONS!

EE Art & Language Arts Contest

The Louisiana Environmental Education Commission & Alcoa Foundation Award Winners in 8th Annual Environmental Awareness Art & Language Arts Contest: *CARBON FOOTPRINTS: TREAD LIGHTLY ON LOUISIANA*

THANKS to Alcoa Foundation, LEEC members and others for helping make the 8th Annual Environmental Awareness Art and Language Arts contest a HUGE SUCCESS! Over 800 entries were received for the 2010 contest, and because of the environmental awareness focus, many teachers took advantage and used this as a classroom learning activity.

The Louisiana Environmental Education Commission honored the winners on June 22, 2010 at a reception at the Governor's Mansion. The winning students' families, teachers, and principals were also in attendance, along with Alcoa Foundation representatives and LEEC members. Representative Joe Harrison (District 51) delivered a congratulatory message and presented the awards.

Alcoa Foundation provided funding for the contest that included cash prizes to each of the winners, as well as billboards and newspaper ads featuring their work.



ALCOA
FOUNDATION

CONGRATULATIONS TO OUR 2010 WINNERS & THEIR TEACHERS!

**NOW is the time to GET READY for the
9H ANNUAL ENVIRONMENTAL AWARENESS ART & LANGUAGE ARTS CONTEST!**

Theme: Louisiana Outdoors: A Beautiful Experience!

This contest is open to all children in Louisiana between the ages of 5 and 18.

DEADLINE – APRIL 21, 2011

Submission forms are available at www.wlf.louisiana.gov/eec

2010 CONTEST WINNERS

ART WINNERS

Group 4 (ages 14-18)

- 1st **Rhiannon Miklosey**, West Ouachita High School
- 2nd **Michael Kane**, West Ouachita High School
- 3rd **Margaux Pepper**, Runnels High School

Group 3 (ages 11-13)

- 1st **Holly Guilbeau**, Port Barre High School
- 2nd **Clarissa Bruns**, Montessori School of Shreveport
- 3rd **Austin Bertrand**, Westwood Elementary

Group 2 (ages 8-10)

- 1st **Lauren Deville**, Northeast Elementary
- 2nd **Lexi Peck**, Westwood Elementary
- 3rd **Damon Billiot**, St. Anthony

Group 1 (ages 5-7)

- 1st **Madison Hardee**, Covington Elementary
- 2nd **Peyton Roussel**, Paulina Elementary
- 3rd **Brianna Miller**, Cypress Cove Elementary

LANGUAGE ARTS WINNERS

Group 4 (ages 14-18)

- 1st **Kristen Wolff**, Sterlington High School
- 2nd **Allen Mire**, Runnels High School
- 3rd **Brianna Orgeron**, Grace King High School

Group 3 (ages 11-13)

- 1st **Kristen Boese**, Mandeville Middle School
- 2nd **Ann Claire Crain**, St. Bernadette Catholic School
- 3rd **Ashton Abshire**, W.W. Lewis Middle School

Group 2 (age 8-10)

- 1st **Valon Mull**, Curtis Elementary
- 2nd **Grace Crain**, St. Bernadette Catholic School
- 3rd **Muhammed Yousif**, Mandeville Middle School

Group 1 (ages 5-7)

- 1st **Sarah Buckley**, Ursuline Academy

EXHIBITOR DIRECTORY

Barataria-Terrebonne National Estuary Program (BTNEP)

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Bayou Vermilion District

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Lindsay Gouedy
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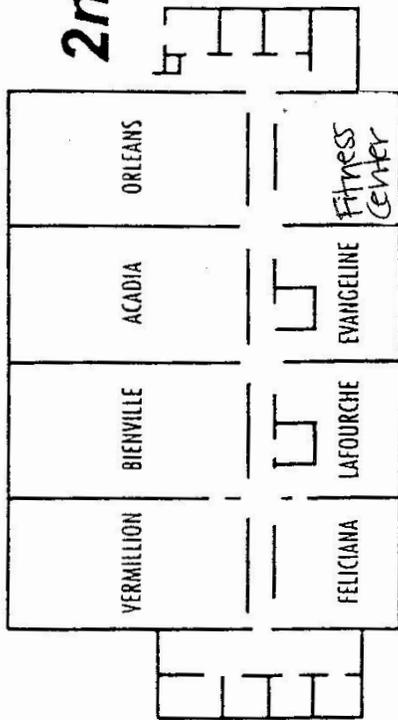
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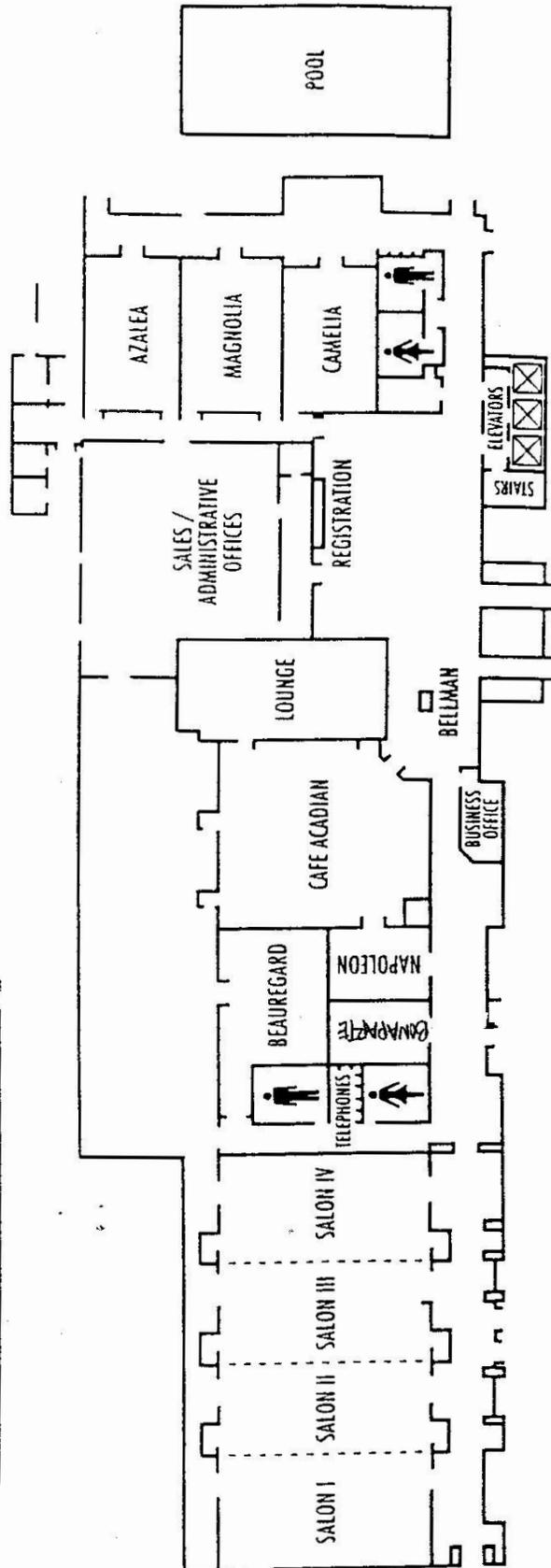
PLEASE TURN IN YOUR EVALUATIONS AFTER EACH SESSION
& BRING YOUR FINAL SYMPOSIUM EVALUATION
TO THE REGISTRATION DESK!

Baton Rouge Marriott Hotel Floor Plan

2nd Floor



1st Floor



BIRD'S-EYE VIEW OF CONCURRENT SESSIONS

FRIDAY, FEBRUARY 11

Times vary
Short Course Activities
Registration
5:00 pm - 8:00 pm
6:00 pm - 8:00 pm
Social-Mixer/Meet the Exhibitors/
Research Showcase

SATURDAY, FEBRUARY 12

7:00 am - 8:00 am Registration &
Continental Breakfast
7:50 am - 12:50 pm Exhibit Hall Open
8:00 am - 10:50 am Concurrent Sessions

10:50 am - 11:30 am Snack Break/ Exhibit Hall
11:30 am - 12:00 pm Concurrent Sessions
12:00 pm - 2:50 pm Launch w/ Keynote Address
2:50 pm Adjournment

	ACADIA	BIENVILLE	ORLEANS	VERMILLION	CAMELLIA	MAGNOLIA
8:00 AM - 8:50 AM	Modeling the Multiple Lines of Defense for Hurricane Protection <u>JoAnn Burke</u> Lake Pontchartrain Basin Foundation General Hands-On	Opportunities in Field Sci. Education at UNO's Coastal Education & Research Facility <u>Dinah Maygarden</u> University of New Orleans General Exemplary	Oil Spill Activities for the Classroom <u>Dianne Lindstedt</u> LSU Sea Grant Program Hands-On 5-8, 9-12	Swamp Rabbit Habitat: Interactive Tale About Bottomland Hardwood Swamp Ecosystem <u>Amy Ouchley</u> UL Monroe K-4 Hands-On	Walter B. Jacobs Memorial Nature Park & Oil City Magnet School— A Learning Combination <u>Cindy Kilpatrick</u> Oil City Magnet 5-8, 9-12 Exemplary	Favorites From NAAEE 2010 in Buffalo for Classroom Teachers <u>Janie Braud</u> EBR Parish School System 5-8, 9-12 Lesson
9:00 AM - 9:50 AM	Deconstructing Haiti: Science, Seismicity and Superstition <u>Ivan Gill</u> University of New Orleans 9-12 Lesson	Utilize Geographic Skills to Investigate the Envir. <u>Paul Nagel</u> LA Geography Education Alliance K-4, 5-8 Hands-On/Lesson	Federal & State Envir. Criminal Investigation: An Overview <u>Mike Daniels</u> LA Department of Environmental Quality 5-8, 9-12 Exemplary	Bone Up on Skull Skills <u>Rose Butler</u> Audubon Nature Institute General Hands-On	Engaging Youth in Important Work on Public Lands <u>IJ "Zac" Burson</u> Bossier Parish Schools 5-8, 9-12 Lesson	Outdoor Classroom Adventure <u>Jennifer Ronquillo</u> Pontchartrain Elementary General Exemplary
10:00 AM - 10:50 AM	Opening the Bayou: Project Based Learning in Envir. Science <u>Ivan Gill</u> University of New Orleans 9-12 Exemplary	Do Trains Float? <u>Robin Ward McCartney</u> UL Lafayette General Hands-On	Oil Spill In A Pan <u>Alma Robichaux</u> Barataria-Terrebonne National Estuary Program K-4, 5-8 Hands-On	Beyond Ordinary: A New View of Plankton <u>Murt Conover</u> LA Universities Marine Consortium 5-8, 9-12 Hands-On	Youth Answering the Call to Service <u>Denise Dowell</u> LA Serve Commission General Exemplary	"Geoeverything" in Your Classroom <u>Steven Babcock</u> LSU Laboratory School General Lesson
10:50 AM - 11:30 AM VISIT THE EXHIBIT HALL						
11:30 AM - 12:20 PM BREAK						
11:50 AM - 12:20 PM	Water: The Next Generation's Oil <u>Lindsay Gouedy</u> Sparta Foundation General Hands-On/Lesson	Clouds—In & Out <u>Blenda McHenry</u> Baskin School 5-8 Hands-On	Oil & Gas in the Gulf of Mexico—A Primer <u>Lee Yokel</u> Gulf of Mexico Alliance - Dauphin Island Sea Lab 5-8, 9-12 Exemplary	Furbearers in the Classroom <u>Quentin Morris</u> LA Dept. of Wildlife & Fisheries / LA Fur Council General Lesson	Youth Wetlands Educ. & Outreach —Training Future Leaders to Save America's Treasure <u>Ashley Mullens</u> LSU AgCenter 5-8, 9-12 Hands-On	Diseases from Animals in the Environment <u>Gary Balsamo</u> Department of Health & Hospitals General Lesson
12:50 PM - 1:20 PM	WETSHOP—A Wetlands Institute <u>MattLynn Dantin</u> LA Dept. of Wildlife & Fisheries General Exemplary	Resources to Enrich the Science Curriculum <u>Cassie Thibodeaux</u> USGS National Wetlands Resource Center General Lesson	Making Biodiesel: A 21st Century Teaching Opportunity <u>Hamilton Simons-Jones</u> Operation REACH 9-12 Hands-On	"Home Sweet Habitat" NPS Traveling Trunk-Bring Swamp to Class! <u>Alynn Rodriguez</u> Jean Lafitte National Historical Park & Preserve K-4, 5-8 Hands-On/Lesson	Future Leaders of America's Gulf (FLAG) <u>Vincent Cannata</u> Future Leaders of America's Gulf - FLAG 9-12 Exemplary	"BIG" News About "Nano" <u>Dawn Edelen</u> Lafayette Science Museum General Hands-On