LSU CR Summer Institute 2015: July 14-15

Plan to participate in the LSU Coastal Roots Summer Institute, July 14-15. The focus of our learning experience will be effects of oil and dispersants on coastal ecosystems. Guest speakers will be Drs. Chris Green and Andy Nyman (LSU School of Renewable Natural Resources) and Anthony Rietl, LSU doctoral student. Come and meet new CR teachers and share ideas of how to incorporate CR into your classroom! Two-day workshop. Hotel is covered. Location: LSU Renewable Natural Resources Building. Stipend: $100 for each day of attendance.

A Wonderful Restoration Year!

During the 2014-15 academic year, CR schools went on 46 restoration trips and planted 17,306 native tree seedlings and grass plugs. A total of 2,602 students participated on the trips, with 1,015 at the elementary grade level, 1,096 at the middle school grade level, and 491 at the high school grade level. Supervising the trips this year were 197 teachers and 436 adult chaperones. Native plant species planted this year included southern bald cypress, water oak, cherrybark oak, nuttal oak, hackberry, tupelo gum, common pecan, catalpa, longleaf pine, swamp red maple, Chilean native trees, and bitter panicum.

At the end of 15 restoration seasons, 15,965 students have planted 127,365 seedlings and grass plugs on 309 restoration trips.

Continued funding keeps CR rolling!

CR has much to be thankful for this year. We've once again a generous donation from Harman and Renae Chandler. This gift is what pays for the gas and tires for the van, workshop stipends and supplies. In addition to the Chandler’s gift, we have also received continued support from the Louisiana Coastal Plain Conservancy. Their gift provides partial reimbursement for the cost of bus transportation.

LSU CR is Geauxing Global

LSU Geauxing Global is an effort by LSU to have undergraduate and graduate students engaged in high quality international learning experiences. As you may remember, CR was invited to partner with the LSU School of Education’s Teaching in Chile Program. Through a grant from the LSU College of Human Sciences and Education’s Peabody Society Dean’s Circle Award (2013-14), Pam and Ed flew down to install the nursery at Colegio Concepcion de San Pedro de la Paz in October 2013. A second Peabody Society Dean’s Circle Award (2014-15) installed two additional nurseries in Santiago, Chile: Southern Cross School and Colegio de los Sagrados Corazones de Manquehue. A third grant, this one to the LSU College of Human Sciences and Education’s Internationalization Program, brought one of our CR teachers, Dr. Janell Simpson (Patrick Taylor Engineering and Technology School) and Dr. Angela Webb (LSU School of Education) to Santiago to work with the teachers and staff in regard to inducting and retaining quality science faculty at their schools. Janell, an experienced CR teacher, will help teachers envision how to integrate their CR nurseries into their classes and will be another contact for these new Chilean friends as they experience their first year of raising plants!

Welcoming our newest CR staff: Juliane Denis!

We are happy to welcome Juliane Denis to our Coastal Roots staff. She is a talented young woman and super organized. She is keeping Pam on track and has taken over our biannual nursery visits to each of our schools. She did a great job of coordinating our press releases for our restoration trips. We are grateful to Dr. Robert Twilley of Louisiana Sea Grant College Program for funding her salary with Coastal Roots!
Best Nursery Practices: Summer Nursery Care
Dr. Ed Bush, LSU School of Plant, Environmental, and Soil Sciences

Keep the water flowing! That’s our motto for the summer! That means we need to be vigilant about making sure our timer batteries are fresh and someone is checking on the can yard at least twice a week! We encourage you to share this important duty with trusted friends at your school. It only takes two days in Louisiana’s summer heat to kill every plant in your yard. So KEEP THE WATER FLOWING! We need to make sure your school has contact information in case of a water source problem. I know this is hard, but one tragedy has been averted this year by a teacher noticing someone turned the water off!

By now, everyone should have fertilized their seedlings with Osmocote… about 10 beads for each yellow cell. And, once a month (May to September) you should be giving the seedlings a boost with MiracleGRO according to package labeling. We’ve seen cypress, tupelo and catalpa seedlings that are 30-40 cm tall… they get that way because they’ve been watered and carefully fertilized. When your students return to school in August, we encourage you to add another 10 beads of Osmocote. Success is our mantra! If at anytime you notice any problems with your yard contact us ASAP!

Happy Summer!

Special Soil Mix - Just for CR!

Jeff and David Phillips graciously donated bagging materials for the Coastal Roots propagation soil this year. Philips Bark is located in Brookhaven, Mississippi, where their plant processes and bags soil products. David and Jeff are community-minded individuals with educators in their family. We appreciate their generosity and expertise in making this our first year of producing a propagation mix that will help our program produce better citizens and trees for the future!

Pictures of the mixing and bagging process. And no… that is NOT Ed operating the heavy machinery!

Raw materials were mixed to insure equal distribution of components and fertilizers.

Loaded onto wagon to be placed in bagging hopper.

Pallets of CR soil being loaded onto the truck for Baton Rouge!

Thank you Philips Bark!
We welcome new schools to CR!

2. St. Joseph’s Academy (Baton Rouge, East Baton Rouge Parish) 2001
3. St. Louis, King of France (Baton Rouge, East Baton Rouge Parish) 2002
4. Harry Hurst Middle (Destrehan; St. Charles Parish) 2003
5. Our Lady of Mercy (Baton Rouge, East Baton Rouge Parish) 2003
7. Lafayette Middle (Lafayette, Lafayette Parish) 2005
8. St. Charles Parish Satellite School (Luling; St. Charles Parish) 2006
10. Christ Episcopal (Covington; St. Tammany Parish) 2007
12. Belle Chasse Middle (Belle Chasse; Plaquemines Parish) 2008
13. South Cameron High (Grand Chenier, Cameron Parish) 2008
15. Westdale Heights Acad. Elem Magnet (Baton Rouge, EBR Parish) 2008
16. Archbishop Chapelle High (Metairie, Jefferson Parish) 2008
17. LSU Laboratory School (Baton Rouge, E. Baton Rouge) 2008
dormant
18. Franklin High (Franklin, St. Mary Parish) 2009
19. Iberville Science & Arts Academy East (St. Gabriel, Iberville Parish) 2009
20. Bishop Noland Episcopal Day School (Lake Charles, Calcasieu Parish) 2009
21. Academy of the Sacred Heart (Grand Coteau, St. Landry Parish) 2010
22. Berchmans’s Academy (Grand Coteau, St. Landry Parish) 2010
23. Iberville Science and Arts Academy West (Plaquemine, Iberville Parish) 2010
24. Zachary Elementary (Zachary, East Baton Rouge Parish) 2010
26. UNO Coastal Education & Research Facility (New Orleans, Orleans Parish) 2010
27. Louise S. McGehee School (New Orleans, Orleans Parish) 2011
28. L. Leo Judice Montessori Elementary (Lafayette, Lafayette Parish) 2011
29. Creedside Junior High (Pearl River, St. Tammany Parish) 2012
30. Episcopal School of Baton Rouge (Baton Rouge, East Baton Rouge Parish) 2012
32. Lusher Charter (Middle) School (New Orleans, Orleans Parish) 2012
33. Ponchatoula High (Ponchatoula, Tangipahoa Parish) 2013
34. Rollins Place Elementary (Zachary, East Baton Rouge Parish) 2013
35. Bourg Elementary (Bourg, Terrebonne Parish) 2013
36. Montegut Middle (Montegut, Terrebonne Parish) 2013
37. Pointe aux Chenes Elementary (Pointe aux Chenes, Terrebonne Parish) 2013
38. Metairie Park Country Day (Metairie, Jefferson Parish) 2013
39. Edna Karr High (New Orleans, Orleans Parish) 2013
40. Colegio Concepcion San Pedro de la Paz (San Pedro, Chile) 2013
41. Delta Charter Academy of Math, Science, & Tech (Ferriday, Concordia Parish) 2013
42. Audubon Zoo (New Orleans, Orleans Parish) 2013
43. St Scholastica Academy (Covington, St. Tammany Parish) 2014
44. Lutcher High (Lutcher, St. James Parish) 2014
45. Parkview Baptist (Baton Rouge, East Baton Rouge Parish) 2015
46. Episcopal School of Acadia (Broussard, Lafayette Parish) 2015
47. Acadiana High (Lafayette, Lafayette Parish) 2015
48. Colegio Southern Cross (Santiago, Chile) 2015
49. Colegio de los Sagrados Corazones de Manquehue (Santiago, Chile) 2015
50. Academy of the Sacred Heart (New Orleans, Orleans Parish) new - Fall 2015

2014-15 LSU Coastal Roots Schools

When seeds don’t sprout: A teachable moment

I deal with identifying the causes of crop failures in my job every day. It becomes a challenge to determine what causes these failures and how to avoid them in the future. This year’s schools have had problems with getting the two ash tree species we grow (Pumpkin Ash and Green Ash) to germinate. It turns out these particular seeds have low germination (or slow germination) without being pre-treated.

Investigative questions can be simple, like “Why won’t my seeds germinate?” A little time spent investigating the question will usually lead to an answer. In this case, our ash seeds need to be “floated” like our acorn seeds and then given a special soaking. Pam’s testing this out at her house this summer. Hopefully this new treatment will do the germination trick for us next year! In the meantime, we’ve replaced ash seeds with other species. - Ed

CR is in 47 LA schools in 17 parishes & 3 Chilean schools!
Patrick Taylor students choose environmental careers

Three students from Patrick Taylor Science and Technology Academy (Avondale) have participated in the Coastal Roots Program and are now involved in pursuing environmental careers and activities. Paris Evans is currently finishing her freshman year at UNC Chapel Hill studying Environmental Science. She was an active participant in CR for three years and chose to work at Jean Lafitte National Park for her Senior Internship studying the effect of canopy cover on populations of Salvinia (an invasive species). That project was selected to compete at INTEL International Science Fair in Los Angeles. Paris was named a Gates Millennium Scholar and received $100,000 from the Taylor Foundation for her post-secondary education.

Madison Berard is a graduating senior at Patrick Taylor and is looking for a college program in Environmental Science. She participated in CR and in the NOAA Bay-Watershed Education & Training Grant with Dinah Maygarden at the UNO Pontchatrain Institute for Environmental Studies. She has volunteered to care for the CR nursery at Patrick Taylor on a weekly basis as part of her school-based volunteer service.

Kayla Tarr is also a graduating senior at Patrick Taylor and plans to major in Environmental Engineering. She has participated in CR for three years.

Chilean students visit Louisiana

As part of the LSU Teaching in Chile Program, students from Colegio Concepcion San Pedro spent two weeks in Baton Rouge in the first student exchange between Louisiana and Chile. Students attended classes with students at Episcopal School of Baton Rouge and the LSU Laboratory School. Among the many activities, students at the three schools participated together on the Episcopal High’s CR planting trip to the Bonnet Carré Spillway.

Helping Hands....

Delta Charter Academy 7th grade girls Madalyn, Jordyn, Claire, and Maddison pitch in to help wash and ready yellow cells before planting seeds.

Lycée Français de la Nouvelle-Orléans plants bitter panicum with New Orleans Pelican players

On September 4, 2014, three New Orleans Pelicans basketball team members Alexis Ajinca, Ryan Anderson and Jimmer Fredette dropped by the Audubon Zoo for a photo op to plant bitter panicum beach dune grass with Lycée Français students (http://www.nba.com/pelicans/marsh-grass-planting-audubon). The Audubon Zoo is the science education site for Lycée Français de la Nouvelle-Orleans, a total immersion French school. Students come to the zoo for several months of the year to have their science classes. It turns out that one of the Pelican’s team members is from France, so the three players came to help students plant bitter panicum stems as part of the CR Program. Brenda Walkenhorst, Education Coordinator for the zoo, received a NOAA Bay-Watershed Education and Training grant that enabled the Audubon Zoo to join the Coastal Roots Program. It also turns out that one of the Lycée Français students, Jude Depp, is the son of one of our Coastal Roots lead teachers, Darleen Mipro, at McGehee School in New Orleans. How cool is that?

Those same Lycée Français students traveled to Grand Isle State Park on May 12 to transplant the bitter panicum plugs that they started back in September. They have indicated that they would like to join Coastal Roots next year! We are so very lucky!
4 CR schools win Green School Challenge Awards!

The U.S. Green Building Council, Louisiana Chapter, held the Green School Challenge from October 2014 to March 2015. Four CR schools won awards!

**Elementary School Division**
- **1st Place:** Lycée Français (New Orleans) Winner of $1500 and an Elkay Fountain.
- **2nd Place:** St. Paul’s Episcopal Elementary School (New Orleans) Winner of $1000.

**Middle School Division**
- **2nd Place:** St. Paul’s Episcopal Middle School (New Orleans) Winner of $1000.

**High School Division:**
- **2nd Place:** St. Martin’s Episcopal School (Metairie) Winner of $1000.

Edna Karr also was awarded the People’s Choice Award.

An example of one winning project is Lycée Français de la Nouvelle-Orléans’ Composting Project, which involved the entire school. At the beginning of the 2014-15 school year a large compost bin was donated to the school to compost most of the lunchroom waste (see photo to right). Every student had to separate their lunch into several bins in the cafeteria: compost, recyclables, and landfill. To make it easier for the younger kids, 2nd and 3rd graders were designated as Les AgentsVert (The Green Agents) to help with the process. There was also an increase in overall recycling throughout the school!

We are looking forward to Lycée Français de la Nouvelle-Orléans formerly joining CR next year!

**Why I think Coastal Roots is important...**

Submitted by Linda Gauthier on behalf of the 8th graders at St. Louis, King of France School, Baton Rouge.

This year’s 8th grade students started participating in CR when they planted their seeds in the Spring of their 6th grade year. They went on their first planting trip last year. Although they are a small class—only eleven students—they have contributed a huge amount of energy, interest, and humor to CR!

Why I think Coastal Roots is important:
- I think Coastal Roots is important because we are planting new trees every year and helping the environment. It is also giving animals a home. **Julia**
- I think Coastal Roots is important because I’ve learned a lot about plants and gardening in general. I know what plants are very good to the environment also. It helps people understand the growing of plant life. **Amber**
- I think Coastal Roots is important because our lives depend on our land. And if it all disappears because we didn’t want to take less than two hours to plant trees, we don’t deserve our world. **Tessie**
- I think Coastal Roots is important because it protects our coastline, holds the soil when a hurricane goes through. And stop the coast from eroding. **Chandler**
- I think Coastal Roots is important because people get to plant trees. And every year people can watch those trees and other plants grow. It’s all about nature and all of the wild animals that live there. **ShaMaya**
- I think Coastal Roots is important because we are planting more trees. I like doing that because the trees get cut down a lot. I also love nature so the trees really are beautiful. **Rae**
- Coastal Roots is important because it promotes wild life health and coastal reformation. Also, because it’s good for the environment. **A.J.**
- I think Coastal Roots is important because it helps the environment by planting trees to block water with the tree’s roots from storms and hurricanes. **Zachary**
- I think Coastal Roots is important because they are helping our land and saving us from coastal erosion. **Dalania**
- I think Coastal Roots is important because it allows students to be able to apply what they learn in school to the real world. **Peter**
- The LSU Coastal Roots Program has provided thousands of students and teachers with the opportunity to make a genuine difference in the unique environment of our state. Life-long lessons of environmental responsibility and conservation will help our state continue as natural paradise. We are learning to “think globally and act locally.” **Linda Gauthier**

Pam writes: I opened up an email earlier this year and I found the message to the right. In the midst of cleaning yellow cells (we all know how exciting that task is...) for the new crop of seeds they were planting, the students at St. Louis, King of France School found a wonderful way to lift my spirits. Their message is now posted where I can see it every day.
Putting Down Roots - LSU Coastal Roots
Plantings from October 2014 - May 2015

Edna Karr High
October 7, 2014
Grand Isle State Park

Harry Hurst Middle
October 10, 2014
Wetland Watcher Park

Colegio Concepcion &
Episcopal School of Baton Rouge
October 18, 2014
Rio Bio Bio, Concepcion, Chile

St. Scholastica
October 16, 2014
Grand Isle State Park

Iberville MSA-West
October 24, 2014
Bonnet Carré Spillway

Lusher Middle
October 30, 2014
Bonnet Carré Spillway

Our Lady of Mercy
November 13, 2014
Fontainebleau State Park

Franklin High
November 14, 2014
Palmetto Island State Park

Christ Episcopal
November 20, 2014
Fontainebleau State Park

Belle Chasse Middle
December 1, 2014
Port Nickel Restoration Site

Patrick Taylor ST Academy
December 2, 2014
New Orleans City Park

Iberville MSA-East
December 5, 2014
BREC Burbank Conservation Area

photos unavailable for:
Ponchatoula High, February 26, 2015 at Bouge Chitto State Park
Putting Down Roots - LSU Coastal Roots
Plantings from October 2014 - May 2015 (con’t)

Bishop Noland Episcopal Day
December 8, 2014
Ragley Long Leaf Pine Savannah

St. Louis King of France
December 10, 2014
BREC Doyle’s Park

Academy of the Sacred Heart
December 11, 2014
Avery Island, LA

Berchman’s Academy
December 11, 2014
Avery Island, LA

Rollins Place Elementary (#1)
January 13, 2015
Bouge Chitto State Park

Isidore Newman (#1)
January 16, 2015
Bonnet Carré Spillway

St. Joseph’s Academy
January 19, 2015
Fontainebleau State Park

Rollins Place Elementary (#2)
January 20, 2015
Bouge Chitto State Park

St. James SMA
January 22, 2015
Bonnet Carré Spillway

Westdale Heights Acad. Magnet
January 27, 2015
BREC Blackwater Conservation Area

Episcopal School of Baton Rouge & Colegio Concepcion
January 28, 2015
Bonnet Carré Spillway

Rollins Place Elementary (#3)
January 29, 2015
Bouge Chitto State Park
Putting Down Roots - LSU Coastal Roots
Plantings from October 2014- May 2015 (con’t)

Bourg Elementary
January 30, 2015
WLF Pointe aux Chenes WMA

Pointe aux Chenes Elementary
January 30, 2015
WLF Pointe aux Chenes WMA

Montegut Middle
January 30, 2015
WLF Pointe aux Chenes WMA

Pierre Part Middle
February 6, 2015
Maple Bayou Hunt Club

Rollins Place Elementary (#4)
February 10, 2015
Bogue Chitto State Park

Delta Charter Academy
February 13, 2015
LDWF Buckhorn WMA

Isidore Newman (#2)
February 27, 2015
Bonnet Carré Spillway

Audubon Zoo
March 7, 2015
Audubon Nature Center

Archbishop Chapelle
March 13, 2015
Bonnet Carré Spillway

Metairie Park Country Day
March 19, 2015
Grand Isle State Park

Parkview Baptist High
March 20, 2015
BREC Doyle’s Park

St. Charles Satellite School &
Columbus Signature Academy
March 20, 2015
St. Charles Parish Montsanto Facility
Putting Down Roots - LSU Coastal Roots
Plantings from October 2014- May 2015 (con’t)

Lusher Middle & UNO PIES
March 24, 2015
Bayou Sauvage Ridge Trail

Sts. Leo-Seton
April 2, 2015
Grand Isle State Park

Zachary Elementary (#1)
April 22, 2015
Grand Isle State Park

Zachary Elementary (#2)
April 24, 2015
Grand Isle State Park

St. Martin’s Episcopal
April 28, 2015
Grand Isle State Park

St. Paul’s Episcopal
April 30, 2015
Grand Isle State Park

S. Cameron High
May 6, 2015
Rutherford Beach, Cameron Parish

Lycée Français de Nouvelle Orleans
May 12, 2015
Grand Isle State Park

Zachary Elementary (#3)
May 19, 2015
Grand Isle State Park

Colegio Concepcion
May 28, 2015
Concepcion Public Park

LSU Coastal Roots Program
LSU School of Education
LSU School of Plant, Environmental & Soil Sciences
A busy year for CR stewards!

This year we ran 44 restoration trips, hosted 7 outreach exhibits and 1 talk at the Restore America’s Estuaries Program in Washington DC, installed 6 new CR schools (4 in LA and 2 in Chile), hosted 1 Winter Workshop and spent 23 days doing nursery visits! We are busy! Ed and Pam have said many times...

We work with the best teachers and schools!!

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
<th>School (Trip #)</th>
<th>Location</th>
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<tr>
<td>September 2014</td>
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<tr>
<td>2014-09-05</td>
<td>F</td>
<td>EXHIBIT</td>
<td>Lycee Francais de la Nouvelle Orleans &amp; Audubon Zoo</td>
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<td>Brown Foundation’s Service Learning Celebration</td>
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<td>Zachary Elementary</td>
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<td>INSTALL</td>
<td>Lutcher High</td>
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<td>October 2014</td>
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<td>Episcopal High of Baton Rouge and Collegio Concepcion</td>
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<td>2015-10-16</td>
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<td>St. Scholastica’s Academy (High)</td>
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<td>REPAIR</td>
<td>Pierre Part Middle</td>
<td>Maple Bayou Hunting Club</td>
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<td>SA</td>
<td>EXHIBIT</td>
<td>National Wildlife Refugees’ Wild Things Festival</td>
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<td>Our Lady of Mercy (Middle)</td>
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<td>2014-10-21</td>
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<td>TALK</td>
<td>CR @ Restore Americas’ Estuary National Conference</td>
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<td>Academy of the Sacred Heart, Bernardham’s Academy, Franklin High, Sts. Leo,Seton School (Middle), Abbeville High</td>
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<td>Belle Chasse Middle</td>
<td>Port Nodico Restoration Site</td>
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<td>2014-12-05</td>
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<td>Nursery Visit</td>
<td>Westdale Heights Academic Magnet Elementary</td>
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</tr>
<tr>
<td>2014-12-05</td>
<td>F</td>
<td>PLANTING</td>
<td>Iberville MSA - East (High)</td>
<td>BREC Burbanke Conservation Area</td>
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<tr>
<td>2014-12-08</td>
<td>M</td>
<td>PLANTING</td>
<td>Bishop Noland Episcopal Day School (Middle)</td>
<td>Long Leaf Pine/Cajaluse</td>
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<tr>
<td>2014-12-10</td>
<td>W</td>
<td>PLANTING</td>
<td>St. Louis King of France (Middle)</td>
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<tr>
<td>2014-12-11</td>
<td>TH</td>
<td>PLANTING</td>
<td>Academy of the Sacred Heart (Middle), Bernardham’s Academy (Middle)</td>
<td>Avery Island</td>
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LA Whooping Crane videos on LDWF YouTube

The Louisiana Department of Wildlife and Fisheries has a collection of whooping crane videos on its YouTube channel, including this new video documenting the recovery of two infertile eggs from a nest. Other whooping crane videos include shots of crane chicks arriving in Louisiana, and the department’s official Whooping Crane Public Service Announcement, among others. Keep up with wildlife management news, watch hunting and fishing safety videos and more by visiting the Louisiana Department of Wildlife and Fisheries YouTube channel at https://www.youtube.com/user/LAWildlifeFish.
### January 2015

<table>
<thead>
<tr>
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</tr>
<tr>
<td>2015-01-16</td>
<td>F</td>
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<td>Bonnet Carré Spillway</td>
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<td>2015-01-19</td>
<td>M</td>
<td>St. Joseph's Academy</td>
<td>Fontainbleau State Park</td>
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<tr>
<td>2015-01-20</td>
<td>T</td>
<td>Rollins Place Elementary</td>
<td>Bogue Chitto State Park</td>
</tr>
<tr>
<td>2015-01-22</td>
<td>TH</td>
<td>St. James SMA</td>
<td>Bonnet Carré Spillway</td>
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<tr>
<td>2015-01-23</td>
<td>F</td>
<td>Episcopal School of Baton Rouge (High)</td>
<td>Bonnet Carré Spillway</td>
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<tr>
<td>2015-01-27</td>
<td>T</td>
<td>Westdale Heights Academic Magnet Elementary/BREC Blackwater Conservation Area</td>
<td></td>
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<tr>
<td>2015-01-28</td>
<td>W</td>
<td>Episcopal School of ER + Colegio Conception + LSU Lab (High)</td>
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<td>2015-01-29</td>
<td>TH</td>
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<td>Bourg Elementary</td>
<td>Pointe Farm WMA</td>
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<tr>
<td>2015-01-30</td>
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<td>Montgut Middle</td>
<td>Pointe Farm WMA</td>
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<td>2015-01-30</td>
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<td>Pointe aux Chenes Elementary</td>
<td>Pointe Farm WMA</td>
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### February 2015

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<td>Pierre Part Middle</td>
<td>Maple Bayou Hunting Club</td>
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<td>T</td>
<td>Rollins Place Elementary</td>
<td>Bogue Chitto State Park</td>
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<td>2015-02-13</td>
<td>F</td>
<td>Delta Charter Academy</td>
<td>LDWF Buckhorn WMA</td>
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<td>2015-02-26</td>
<td>TH</td>
<td>Ponchatoula High</td>
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<td>2015-02-27</td>
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### March 2015

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<td>Audubon Nature Center</td>
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<td>2015-03-09</td>
<td>M</td>
<td>Parkview Baptist (High)</td>
<td>Baton Rouge</td>
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<td>2015-03-13</td>
<td>F</td>
<td>Archbishop Chapelle (High)</td>
<td>Bonnet Carré Spillway</td>
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<td>2015-03-14</td>
<td>SA</td>
<td>Parkview Baptist (High)</td>
<td>Baton Rouge</td>
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<td>2015-03-19</td>
<td>TH</td>
<td>Metairie Park Country Day (Middle)</td>
<td>Grand Isle State Park</td>
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<td>2015-03-20</td>
<td>F</td>
<td>St. Charles Satellite School &amp; Columbus Signature Academy</td>
<td>St. Charles Parish Montsano Facility</td>
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<tr>
<td>2015-03-20</td>
<td>F</td>
<td>Parkview Baptist (High)</td>
<td>BREC Doyle’s Park</td>
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<tr>
<td>2015-03-24</td>
<td>T</td>
<td>Lusher Middle &amp; UNO PIES</td>
<td>Bayou Sauvage Ridge Trail</td>
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### April 2016

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<td>Sts. Leo-Satan School (Middle)</td>
<td>Grand Isle State Park</td>
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<td>2015-04-19</td>
<td>SU</td>
<td>EXHIBIT</td>
<td>Downtown Baton Rouge</td>
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<td>2015-04-20</td>
<td>M</td>
<td>INSTALL</td>
<td>Episcopal School of Acadiana</td>
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<td>2015-04-21</td>
<td>T</td>
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<td>St. Louis, King of France, Our Lady of Mercy, Zachary Elementary</td>
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<td>Zachary Elementary</td>
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<td>2015-04-28</td>
<td>T</td>
<td>PLANTING</td>
<td>St. Martin's Episcopal (High)</td>
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<td>2015-04-29</td>
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<td>Nursery Visit</td>
<td>Rollins Place Elementary, Iberville Science, Math &amp; Arts - East</td>
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<td>St. Paul's Episcopal</td>
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<td>Belle Chasse Middle, Edda Kar High</td>
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<td>Acadia High School</td>
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<td>Bishop Norland Episcopal Day School, South Cameron HS</td>
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<td>St. Cameron High</td>
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<td>Delta Charter, Upper Pointe Couppee</td>
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<td>Harry Hurst Middle, St. Charles Satellite Center, St. James Parish Science and Math Magnet, Lutcher High, Archbishop Chapelle High</td>
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<td>Maitanie Park Country Day, Patrick Taylor Science &amp; Technology Academy, St. Martin's Episcopal</td>
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<td>T</td>
<td>PLANTING</td>
<td>Zachary Elementary</td>
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<td>Academy of the Sacred Heart, Bermian’s Academy</td>
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<td>2015-05-21</td>
<td>TH</td>
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<td>Franklin High, L. Léo Judeice Montessori Elementary, Sts. Leo-Satan, Parkview Baptist, Episcopal School of Baton Rouge</td>
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<td>2015-05-25</td>
<td>M</td>
<td>INSTALL</td>
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<td>T</td>
<td>INSTALL</td>
<td>Colegio de los Sagrados Conventos de Marquesiav</td>
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<td>2015-05-29</td>
<td>W</td>
<td>PLANTING</td>
<td>Colegio Concepcion San Pedro</td>
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LSU Coastal Roots
October 2014: Ocean Commotion & Wild Things Festival

Besides being the start of CR restoration trips, October is the month for two big celebrations: LA Sea Grant’s Ocean Commotion at LSU in Baton Rouge and the U.S. Fish and Wildlife Service Southeast Louisiana Wildlife Refuge’s Wild Things Festival in Lacombe, LA. Helping this year with the exhibits were Karen Alice Clanton (Edna Karr High, New Orleans, pictured image 2nd from left), Michaelyn Broussard (doctoral student with Pam Blanchard at LSU & biology instructor at Southeastern University, far left) and students from St. Joseph’s Academy in Baton Rouge, pictured in the two images to the right). Participants at these two festivals helped start “back up” plants by planting seeds! Thanks for the help, ladies!

Science Day!

Green T. Lindon Elementary School in Youngsville celebrated their annual Science Day in an unusually spooky way on the last day of October 2014! Students rotated through several hands-on exhibits hosted by local agencies, one of which was our very own Coastal Roots. Pictured on the far right is Juliane Denis instructing students how to plant cypress seeds. At the near right is Leah Twilley and her 1st grade students planting cypress seeds that are destined to be “back up plants” for next year’s restoration trips.

CR in restoration education panel at the Restore America’s Estuaries Conference in Washington, DC

Karen Alice Clanton (group photo, 3rd from left), fine arts teacher and lead CR teacher at Edna Karr High, joined Pam Blanchard and four other educators from across the country in a panel discussion about best practices in restoration education. Karen Alice’s students at Karr use art as a means of public outreach and to express their understanding of coastal issues and science content related to Louisiana coastal wetlands. She works with a multidisciplinary team at Karr consisting of Sheila Lumod (biology), Chris Reed (math), Scott McPherson (media and art) and Josh Crist (Music & Biology). The CR Program at Karr has been the springboard to several other wonderful environmental education programs! (And yes, those are some of our CR trees sticking out of Pam’s backpack. She got a few double takes while making her way to the airport gate!)

SJA student wins awards for coastal research

Junior Natalie Bush (St. Joseph’s Academy (SJA), Baton Rouge; teacher: Linda Messina; parents: Ed and Lisa Bush) received the Taking the Pulse of the Planet Award from the National Oceanic and Atmospheric Administration. She received a $500 prize and a fully paid summer internship at a NOAA research lab. Her research project is entitled Mitigation of Hypoxic Ecosystems Using Hemolymph Analysis of Callinectes sapidus and Procambarus clarkii in Relation to Spartina Grasses, Year 2. Natalie is standing (far right) with other SJA 2015 INTEL International Science & Engineering Fair participants in Pittsburg, PA.
2015 CR Winter Workshop

It seemed everyone had a wonderful time at the 2015 Winter Workshop. We had 27 schools with representatives in attendance (out of 46 schools). As always, it was good to see everyone and catch up on how you are using Coastal Roots in connection with your classes. I really had no idea that Juliane’s CR Jeopardy Game would unleash such competitive behavior! What fun! We handed out a hard copy of the new edition of the **CR Handbook**. We learned about crawfish and the effects of the oil spill and disperants on our coastal wetlands (we’ll pick this up again in the Summer Institute in July). We thank Dr. Chris Green (Associate Professor, LSU School of Renewable Natural Resources) for his time and expertise and for some wonderful information we can share with our students about crawfish and the crawfish industry.

Thanks to the following teachers for attending the 2015 Winter Workshop: Julie Avila (Patrick Taylor Science & Technology Academy), Sylvia Beard (St. James Science, Math & Arts Academy), Brandon Broussard (Acadiana High), Wendy Bruton (Louise McGehee), Emily Dawkins (Delta Charter), Gina Egan (Belle Chasse Middle), Pam Fry (Westdale Heights Academic Magnet), Reese Fuller (Episcopal School of Acadiana), Linda Gauthier (St. Louis, King of France), John Giambrone (Pierre Part Middle), Barry Guillot (Harry Hurst Middle), Katie Hamel (St. Scholastica), Craig Howat (St. Charles Satellite School), Kendra Keen (Ponchatoula High), Susan Koppenol (Christ Episcopal), Natalie Lartigue (Patrick Taylor Science & Technology Academy), Mary Legoria (Westdale Heights Academic Magnet), Sheila Lumod-Cabodil (Edna Karr High), Jennifer Manges (Louise McGehee), Craig Howat (St. Charles Satellite School), Nancy and Pam Fry, teachers at Westdale Heights Academic Magnet Elementary in Baton Rouge for their winning LA Environmental Education Commission proposal, Getting Our Feet Wet in the Wetlands. The primary objective of their grant is to learn about a balanced ecosystem and how natural events and humans can disrupt this balance. Meaningful hands-on experiences with a real pond and bog area (e.g., water quality testing, vertebrate and micro-/macro-invertebrates surveys, non-point source pollution lessons) will facilitate students’ understanding of ecosystems.
Edna Karr High’s partnership with LSU CR featured at 2014 Brown Foundation Celebration

More than 700 students attended the Joe W. and Dorothy Dorsett Brown Foundation Service-Learning Celebration (http://www.thebrownfoundation.org/servicelearning) in September 2014. Recipients of the service learning grants and their partners hosted exhibits at the celebration. The featured partnership this year was Edna Karr High School and Coastal Roots. Pictured from left to right are Karen Alice Clanton (lead CR and fine arts teacher), Antonio Shelton (at left), a student at Edna Karr, and Pam Blanchard just after the opening ceremony when they described their partnership with LSU CR Program.

12th Environmental Awareness Art & Language Arts Contest winners announced

Congratulations to two students at Isidore Newman School, a CR school in New Orleans for their winning submissions to the latest LA Environmental Education Commission contest!!

2nd place in Language Arts – Group 2 - Joseph Culotta, Isidore Newman School
3rd place in Art - Group 2 - Bryce Martin, Isidore Newman School

Congratulations to Sts. Leo-Seton School students for being featured on KATC (CH 3) Cool Schools!

On April 27, 8th grade students at Sts. Leo-Seton School in Lafayette were featured on the CoolSchools. Mrs. Amy Guidry, lead CR teacher submitted a wonderful summary of their stewardship trip to Grand Isle State Park. Check out the video at http://www.katc.com/story/28907823/cool-schools-sts-leo-seton!

SLS started participating in CR in 2012 and went on their first planting trip in the spring of 2013. This is the 3rd restoration trip for SLS students to Grand Isle State Park. So far, they have grown and contributed 1,442 bitter panicum plants in an effort to help stabilize and restore the fragile dune system within the park.

LSU Coastal Roots Restoration Partners

We thank our restoration partners for their willingness to work with and educate our LSU Coastal Roots students about the restoration needs of their site as well as other important coastal issues.

- Avery Island, Inc.
- Baton Rouge Recreation (BREC) Parks
- Rutherford Beach, Cameron Parish
- City Park, New Orleans
- Coastal Plain Conservancy
- LDWF Pointe aux Chenes WMA
- LDWF Buckhorn WMA
- Louisiana State Parks
- Maple Bayou Hunt Club, St. Mary Parish
- US Army Corps of Engineers, Bonnet Carré Spillway
- Wetland Watcher Park, St. Charles Parish
- Port Nickel Restoration Site, Plaquemines Parish
- UL-Lafayette Ctr. Ecology & Environmental Technology

LSU Coastal Roots Seedling Nursery Program

LSU Coastal Roots: Helping the LA coast one seedling at a time!

http://coastalroots.lsu.edu