

Director's Message

Several words come to mind for fiscal years 13 & 14. Transition, Productivity, Intensity, Creativity

Transition Legislation passed in the 2012 Regular Session of the Louisiana Legislature changed the governance of LUMCON and called for a five-year planning process. The Executive Board of LUMCON now consists of a Vice President and Dean (Voting/Non-voting) of Louisiana State University and A&M College, Louisiana Tech University, Nicholls State University, Tulane University, University of Louisiana at Lafayette, University of Louisiana at Monroe, and University of New Orleans, and the Chair of the Science and Education Advisory Colleges.

Monroe, and University of New Orleans, and the Chair of the Science and Education Advisory Council, composed of representatives of all four-year public and private universities (see inside back cover).

Kerry St. Pé, who fostered the Barataria-Terrebonne National Estuary Program from its infancy and over 17 years as its director, retired in July 2014. He and the Estuary Program team have been instrumental in guiding the citizens of the estuary through its Comprehensive Conservation and Management Plan.

Productivity These two fiscal years have been incredibly productive for the faculty, the research staff and all of LUM-CON who support them. The research funds brought in match every State dollar provided. Scientific publications averaged four per faculty member per year. The number of professional and community service hours are not counted but the interactions of the LUMCON faculty with their peers remain at a high level, and the faculty continue to serve local, state and federal communities.

Intensity Education programs reach K-12, undergraduate, graduate, and all levels of the public and bring over 4,500 individuals through the doors, up the tower, out on the ships and into the marsh every year. Over 50 universities and their students take part in LUMCON's offerings every year. The R/V *Pelican* remains the workhorse of the U.S. academic fleet in the Gulf of Mexico, serving multiple university research programs and agency activities, including many of them

directed at continuing studies of the *Deepwater Horizon* oil spill. The *Pelican* greeted school classes and oceanographers from the Association for the Study of Limnology and Oceanography (ASLO) at the docks in New Orleans in February 2013.



Creativity Science and art are both creative activities with observations, design, execution and a desirable product at the end. Coastal Landscape Photography taught nine times since 2009 by Dr. Gary LaFleur of Nicholls State University and Dr. Dennis Sipiorski of the University of Southeastern Louisiana combines the observations of natural history and understanding of landscape and culture via black and white photography. The students have begun to venture away from this a bit, for example, Mary Ann Caffery of Baton Rouge who did a series of acrylic on spruce for which the 4-ft by 2-ft creation (left) hangs on my office wall in Cocodrie. Murt Conover created and more than successfully completed a high school student art and science one-week camp in Cocodrie in July 2014. A result from that is April Olivier's "Window of Time" in which she depicted "the deterioration of the marsh and land loss over time' (right).



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LUMCON's research programs address multiple needs of the state of Louisiana with regard to its living and non-living resources, including the social systems that envelope them all. Habitats for sustainable fisheries and wildlife support ecosystems and economies. Researchers address how ecosystems may be affected by changing salinity, climate change, sea-level rise, delivery of sediments, water residence time and nutrient over-enrichment. Details of biogeochemical processes, such as nitrogen and carbon cycling, greenhouse gas flux, and sedimentary processes, such as modified hydrology, subsidence, accumulation of delta lobes, interactions of groundwater with surface hydrology, are critical to understanding the natural and human-causes of coastal change. The dynamics of hypoxia (oxygen depletion) and harmful algal blooms that result primarily from excess nitrogen and phosphorus delivery to coastal waters have long been a focus of research.

Fisheries research ranges from the response of fish and early life stages of commercially important species to environmental change, including toxicity from oil spills, to better understanding of the life histories of important coastal fishes and shellfish. Many basics of saltwater aquaculture are discovered in the wet laboratory facilities of the Marine Center.

Louisiana's living and non-living resources had long intermingled in the activities of the petroleum industry. Researchers at LUMCON are following the effects of the *Deepwater Horizon* oil spill in coastal ecosystems and in laboratory experiments. The structures of the industry in the form of oil and gas platforms attract fish and attached organisms, and LUMCON addresses the impact of these structures on their associated communities.



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K-12 & Teacher Programs

The table below shows the group types and total number of impacted visitors of LUMCON programs for FY13 & FY14. The numbers for field trips, camps, and workshops include all the people that attended these programs at the Marine Center. The numbers for outreach only include the people impacted by activities or programs offered by LUMCON educational staff away from the Marine Center.

Group Type	Total Number of Students	Total Number of Contact Hours
Field Trips	4,491	52,759
Camps	152	5,758
Teacher Workshops	372	3,742
Outreach Events	9,236	6,438

LUMCON's K-12 & Teacher Education programs continue to evolve and grow to meet the changes in the needs of today's students and teachers. To ensure that the program offerings remain current and relevant many new activities and laboratory offerings were modified or created to expose students to the changing understanding of our coastal systems. The Teacher Education program also continued to expand programs provided to teachers. During FYs 13 & 14 four new teacher workshops were hosted and completed with great successes. The teacher workshops hosted by LUMCON are in great demand and topics are generally those that will provide educators with the knowledge, skill sets, and resources they need to more effectively teach their students about Louisiana's coastal environments.

Program highlights:

Bayouside Classroom is a student-based water monitoring program is in its 14th year. Teachers and students all over the state of Louisiana (and some from other parts of the country) are working to help monitor the health of their local aquatic systems. All the data being collected can be assessed from www.lumcon.edu/bayousideclassroom.

Gulf Lagniappe is a series of adult education workshops offered through the Coastal Waters Consortium and provide adults with the opportunity to meet scientists and learn how the research programs are working to learn more.

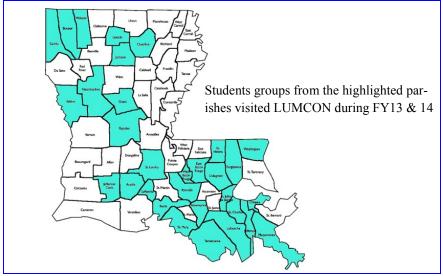
Family Day Events (Like Dads & Daughters Discovering Coastal Waters Science) are offered to the public to engage them in environmental education at LUMCON through 1-day workshops.

LEAD Camp is offered to provide an introduction to marine sciences. Offered every year this camp strives to increase the knowledge among high school students about marine science and environmental science.

Ship Time & Shoreline is a new teacher week-long teacher workshop that is designed to give teachers the experience of field research and understanding the many methods scientists use to collect environmental data.

In-DEPTH Investigations, a Louisiana Environmental Education Commission funded project, provided teachers with the knowledge and resources to build and use model remotely operated vehicles (ROVs) to help teach ocean literacy in their classrooms

Beyond the Bay are teacher workshops that give teachers the opportunity to gain more insight into barrier islands and the important role they play in providing habitat and storm protection to all inhabitants of our coastal communities.



University Education Program

LUMCON's University Program reaches undergraduate and graduate students from across Louisiana and the U.S.—over one hundred universities in the two fiscal years, with multiple trips for many.

University Education	2013	2014
Long Distance Video Course		
		13
Summer Classes		
	17	
	6	
	11	
		4
		6
		9
Intersession Course		
		7
Research Experience for Undergraduates		
	7	5



via video from the Marine Center, and have a field weekend in Cocodrie. Topics include recent changes in the coastal ocean and their implications, such as pollution, climate change, habit change, hypoxia, harmful algal blooms, coral reefs, coastal fisheries, coastal zone management, and others.

Summer students gain a unique experience of being immersed in the habitats of coastal Louisiana in all of the classes—from fresh to salt water marshes, coastal bays and nearshore Gulf of Mexico, deltas and crevasses, and barrier beaches. The courses are three- to four-weeks at the Marine Center in Cocodrie and carry credit with the university in which the student is enrolled.

Undergraduate research opportunities are available through LUMCON's REU Program, which is sponsored by the National Science Foundation and the Gulf of Mexico Research Initiative. These students spend ten weeks in residence at the Marine Center working side-by-side with research faculty and senior research staff on individual projects from design through implementation and completion.

For students not able to be present for longer duration in the coastal landscape, LUMCON provides a long-distance video conference course, "Changing Coastal Oceans." The students at member universities take this course from their campus



Following are three calendar year schedules for the R/V *Pelican* for 2012, 2013, and 2014. The cooperative agreement with the National Science Foundation University Naval-Oceanographic Laboratory System (UNOLS), of which the R/V *Pelican* is a member, works on a calendar year. The three calendar years overlap with FY2012-2013 and FY2013-2014.

SHIP OPERATING SCHEDULE CY 2012 R/V PELICAN

Cruise Date	Map Index/Area/Purpose	P.I./Institution/Proposal No.		Ports	Days/Agency/Status/ Clearance	
11-Jan to 17-Jan	NA9/GOM/Lagrangian Drifters	Singer, J./SAIC/M	110PC00112		Cocodrie - Cocodrie	7/BOEM/F/No
4-Feb to 8-Feb	NA9/GOM/Mooring rotation	Williams, P./Fugr	Williams, P./Fugro-GEOS/N/A		Cocodrie - Cocodrie	5/Other/F/No
12-Mar to 26-Mar	NA9/GOM/MAINTENANCE	Malbrough, J./LU	MCON/N/A		Cocodrie - Cocodrie	15/Other/NON-OP
27-Mar to 28-Mar	NA9/GOM/Sediment Trap Cal	Poore, R./USGS/N	N/A		Cocodrie - Cocodrie	2/USGS/F/No
9-Apr to 14-Apr	NA9/GOM/Orca Basin Archaea	Pagani, M./Yale/N	N/A		Cocodrie - Cocodrie	6/Other/F/No
17-Apr to 21-Apr	NA9/GOM/Gas Hydrates SFO	Lutken, C./Ole M	iss/N/A		Cocodrie - Cocodrie	5/BOEM/F/No
25-Apr to 30-Apr	NA9/GOM/MCH	DiMarco, S./TAM 2001466	IU/NCCOS-2009-		Cocodrie - Cocodrie	6/NOAA/F/No
1-May to 2-May	NA9/GOM/Hypoxia	Rabalais, N./LUM	ICON/N/A		Cocodrie - Cocodrie	2/NOAA/F/No
10-May to 15-May	NA9/GOM/Deep-C	Speer, K.,/FSU/N	/A		Cocodrie - Cocodrie	6/Other/F/No
21-May to 25-May	NA9/GOM/Nitrogen, Microbial	Gardner, W./UTM	MSI/NA07NOS47802	225	Cocodrie - Cocodrie	5/NOAA/F/No
27-May to 31-May	NA9/GOM/Moorings	Williams, P./Fugr	o-GEOS/N/A		Cocodrie - Cocodrie	5/Other/F/No
5-Jun to 8-Jun	NA9/GOM/Sea Map	Delaune, S./LAD	WF/NA06NMF43500	010	Cocodrie - Cocodrie	4/NOAA/F/No
9-Jun to 15-Jun	NA9/GOM/Sediment Strength	Furukawa, Y./NR	LSSC/74-4246		Cocodrie - Cocodrie	7/NAVY/F/No
16-Jun to 17-Jun	NA9/GOM/Hypoxia	Rabalais, N./LUM	ICON/N/A		Cocodrie - Cocodrie	2/NOAA/F/No
18-Jun to 22-Jun	NA9/GOM/NIUST MBES Survey	Diercks, A./USM	/N/A		Cocodrie - Cocodrie	5/Other/F/No
30-Jun to 2-Jul	NA9/GOM/CARTHE	Rosenheim, B./Tu	ılane/		Cocodrie - Cocodrie	3/Other/F/No
5-Jul to 11-Jul	NA9/GOM/GTSR	DiMarco, S./TAM	IU/N/A		Cocodrie - Cocodrie	7/Other/F/No
16-Jul to 21-Jul	NA9/GOM/Gas Hydrates SFO	Lutken, C./Ole M	iss/N/A		Cocodrie - Cocodrie	6/BOEM/F/No
22-Jul to 28-Jul	NA9/GOM/Hypoxia	Rabalais, N./LUM	ICON/N/A		Cocodrie - Cocodrie	7/NOAA/F/No
30-Jul to 4-Aug	NA9/GOM/Reproductive	Thomas, P./UTM	SI/N/A		Cocodrie - Cocodrie	6/NOAA/F/No
7-Aug to 12-Aug	NA9/GOM/MCH	DiMarco, S./TAM 2001466	IU/NCCOS-2009-		Cocodrie - Cocodrie	6/NOAA/F/No
14-Aug to 15-Aug	NA9/GOM/Sediment Trap Cal	Poore, R. /USGS/	N/A		Cocodrie - Cocodrie	2/USGS/F/No
21-Aug to 22-Aug	NA9/GOM/Hypoxia	Rabalais, N./LUM	ICON/N/A		Cocodrie - Cocodrie	2/NOAA/F/No
24-Aug to 27-Aug	NA9/GOM/GRI	Rabalais, N./LUM	ICON/N/A		Cocodrie - Cocodrie	4/Other/F/No
2-Sep to 7-Sep	NA9/GOM/NIUST MBES Survey	Diercks, A./USM	/N/A		Cocodrie - Cocodrie	6/Other/F/No
16-Sep to 21-Sep	NA9/GOM/Moorings	Williams, P./Fugr	o-GEOS/N/A		Cocodrie - Cocodrie	6/Other/F/No
24-Sep to 26-Sep	NA9/GOM/Gas Hydrates SFO	Lutken, C./Ole M	iss/N/A		Cocodrie - Cocodrie	3/BOEMF/No
28-Sep to 8-Oct	NA9/GOM/NIUST MBES Survey	Diercks, A./USM	/N/A		Cocodrie - Cocodrie	11/Other/F/No
30-Oct to 2-Nov	NA9/GOM/Sea Map	Delaune, S./LAD	WF/NA06NMF43500	010	Cocodrie - Cocodrie	4/NOAA/F/No
10-Nov to 12-Nov	NA9/GOM/NIUST/ECOGIG	Highsmith, R./Ole	Highsmith, R./Ole Miss/N/A		Cocodrie - Cocodrie	3/Other/F/No
15-Nov to 17-Nov	NA9/GOM/GRI	Rabalais, N./LUM	ICON/N/A		Cocodrie - Cocodrie	3/Other/F/No
28-Nov to 20-Dec	NA9/GOM/GISR	Ledwell, J./WHO	I/SA 12-09/GoMRI-0	006	Cocodrie - Cocodrie	23/Other/F/No
	CY2012 Agency BOEM NAVY NOAA NSF	Funded 21 7 47 0	Proposed TOTAL 0 0 0 0	21 7 47 0		
	Other	90	()	90		

SHIP OPERATING SCHEDULE CY 2013 R/V PELICAN

Cruise Dates	Map Index / Area / Purpose	P.I./Institution/Proposal No.	Ports	Days/Agency/ Status/Clearance
20-Jan to 24-Jan	NA9/GOM/Mooring rotation	Williams, P./Fugro-GEOS/N/A	Cocodrie - Cocodrie	5/Other/F/No
6-Feb to 7-Feb	NA9/GOM/Sediment Trap Cal	Poore, R./USGS/N/A	Cocodrie - Cocodrie	2/USGS/F/No
13-Feb to 18-Feb	NA9/GOM/Mooring Deployment	Szabo, D./WHG/N/A	Cocodrie - Cocodrie	6/Other/F/No
26-Feb to 27-Feb	NA9/GOM/NSF Inspection	Malbrough, J./LUMCON/N/A	Cocodrie - Cocodrie	2/Other/NON-OP
6-Mar to 9-Mar	NA9/GOM/NIUST/ECOGIG	Highsmith, R./Ole Miss/N/A	Cocodrie - Cocodrie	4/NOAA/F/No
23-Mar to 27-Mar	NA9/GOM/Mooring Deployment	Willias, J./EDCON-PRJ/N/A	Cocodrie - Cocodrie	5/Other/F/No
28-Mar to 31-Mar	NA9/GOM/Mooring Deployment	Szabo, D./WHG/N/A	Cocodrie - Cocodrie	4/Other/F/No
2-Apr to 7-Apr	NA9/GOM/Sediment Strength	Furukawa, Y./NRL-SSC/N/A	Cocodrie - Cocodrie	6/NAVY/F/No
16-Apr to 4-May	NA9/GOM/MC Seismic	Haines, S./USGS/N/A	Cocodrie - Cocodrie	19/USGS/F/No
6-May to 15-May	NA9/GOM/NIUST MBES Survey	Diercks, A./USM/GRI	Cocodrie - Cocodrie	10/Other/F/No
16-May to 19-May	NA9/GOM/Deep-C	Speer, K./FSU/N/A	Cocodrie - Cocodrie	4/Other/F/No
20-May to 26-May	NA9/GOM/Peptide Hydrolysis	Liu, Z./UTMSI/OCE 1129660	Cocodrie - Cocodrie	7/NSF/F/No
27-May to 1-Jun	NA9/GOM/Moorings	Williams, P./Fugro-GES/N/A	Cocodrie - Cocodrie	6/Other/F/No
2-Jun to 11-Jun	NA9/GOM/NIUST/ECOGIG	Highsmith, R./Ole Miss/N/A	Cocodrie - Cocodrie	10/Other/F/No
12-Jun to 15-Jun	NA9/GOM/Brine Seep	Joye, S./Georgia/BIO EF 08-01741	Cocodrie - Cocodrie	4/NSF/F/No
17-Jun to 19-Jun	NA9/GOM/HOV	Hahn, C./Ocean Gate/N/A	Cocodrie - Cocodrie	3/Other/F/No
24-Jun to 29-Jun	NA9/GOM/GoMRI/CARTHE	Rosenheim, B./Tulane/N/A	Cocodrie - Cocodrie	6/Other/F/No
30-Jun to 3-Jul	NA9/GOM/Gas Hydrates SFO	Lutken, C./Ole Miss/N/A	Cocodrie - Cocodrie	4/BOEM/F/No
6-Jul to 13-Jul	NA9/GOM/GISR	DiMarco, S/TAMU/N/A	Cocodrie - Cocodrie	8/Other/F/No
21-Jul to 28-Jul	NA9/GOM/Hypoxia	Rabalais, N./LUMCON/N/A	Cocodrie - Cocodrie	8/NOAA/F/No
31-Jul to 23-Aug	NA9/GOM/GISR Tracer	Ledwell, J./WHOI/SA 12-09/GoMRI	Cocodrie - Cocodrie	24/Other/F/No
28-Aug to 29-Aug	NA9/GOM/Mooring Deployment	Szabo, D./WHG/N/A	Cocodrie - Cocodrie	2/Other/F/No
30-Aug to 7-Sep	NA9/GOM/NIUST MBES Survey	Diercks, A./USM/N/A	Cocodrie - Cocodrie	9/Other/F/No
9-Sep to 22-Sep	NA9/GOM/NASA GEOCAPE	Salisbury, J./UNH/N/A	Cocodrie - Cocodrie	14/NASA/F/No
29-Sep to 3-Oct	NA9/GOM/Moorings	Williams, P./Fugro-GEOS/N/A	Cocodrie - Cocodrie	5/Other/F/No
7-Oct to 14-Oct	NA9/GOM/NIUST/ECOGIG	Highsmith, R./Ole Miss/N/A	Cocodrie - Cocodrie	8/Other/F/No
17-Oct to 20-Oct	NA9/GOM/GoMRI/CWC	Rabalais, N./LUMCON/N/A	Cocodrie - Cocodrie	4/Other/F/No
4-Nov to 8-Nov	NA9/GOM/Seep Connectivity	Van Dover, C./Duke/BIO -1031051	Cocodrie - Cocodrie	5/NSF/F/No
22-Nov to 23-Nov	NA9/GOM/Sediment Trap Cal	Reynolds, C./USGS/N/A	Cocodrie - Cocodrie	2/USGS/F/No
	CY2013 Agency Fund	ded Proposed TOTAL		

CY 2013			
Agency	Funded	Proposed TO)TAL
BOEM	4	0	4
NASA	14	0	14
NAVY	6	0	6
NOAA	12	0	12
NSF	16	0	16
Other	119	0	119
TOTAL	194	0	194

SHIP OPERATING SCHEDULE CY 2014 R/V PELICAN

Cruise Date	Map Index/Area/Purpo	se	P.I./Institution/Propos	sal No.	Ports	Days/Agency/ Status/Clearance
19 JAN to 27 JAN	NA9/GOM/Mooring rotat	ion	Williams, P./Fugro-GEO	OS/N/A	Cocodrie - Cocodrie	9/Other/F/No
06 MAR to 13 MAR	NA9/GOM/ECOGIG		Highsmith, R./Ole Miss/N/A		Cocodrie - Cocodrie	8/GOMRI/F/No
14 MAR to 23 MAR	NA9/GOM/Oiled Shipwre	ecks	Hamdan, L./NRL-DC/N	Hamdan, L./NRL-DC/N/A		10/NAVY/F/No
30 MAR to 02 APR	NA9/GOM/Moorings		Kurrus, K./EHI/N/A		Cocodrie - Cocodrie	4/Other/F/No
09 APR to 12 APR	NA9/GOM/Hydrates Sys.	Dyna.	Lutken, C./Ole Miss/N/A	4	Cocodrie - Cocodrie	4/DOE/F/No
21 APR to 23 APR	NA9/GOM/Mooring Depl	oyment	Szabo, D./WHG/N/A		Cocodrie - Cocodrie	3/Other/F/No
24 APR to 25 APR	NA9/GOM/UHSI Efficien	cy	Somerton, D./AFSC/N/A	4	Cocodrie - Cocodrie	2/NOAA/F/No
01 MAY to 06 MAY	NA9/GOM/ECOGIG		Highsmith, R./Ole Miss/	/N/A	Cocodrie - Cocodrie	6/GOMRI/F/No
07 MAY to 13 MAY	NA9/GOM/Turbulent Ero	sion	Briggs, K./NRL-SSC/N/	/A	Cocodrie - Cocodrie	7/NAVY/F/No
15 MAY to 24 MAY	NA9/GOM/ECOGIG AU	V	Diercks, A./USM/N/A		Cocodrie - Cocodrie	10/GOMRI/F/No
25 MAY to 30 MAY	NA9/GOM/Moorings		Williams, P./Fugro-GEO	OS/N/A	Cocodrie - Cocodrie	6/Other/F/No
01 JUN to 02 JUN	NA9/GOM/Sediment Trap	Cal	Reynolds, C./USGS/N/A	A	Cocodrie - Cocodrie	2/USGS/F/No
03 JUN to 05 JUN	NA9/GOM/Mooring Depl	oyment	Szabo, D./WHG/N/A		Cocodrie - Cocodrie	3/Other/F/No
06 JUN to 18 JUN	NA9/GOM/OER Mesopho	otic AUV	Diercks, A./USM/N/A		Cocodrie - Cocodrie	13/NOAA/F/No
24 JUN to 02 JUL	NA9/GOM/GISR		DiMarco, S/TAMU/N/A	L	Cocodrie - Cocodrie	9/Other/F/No
07 JUL to 10 JUL	NA9/GOM/GoMRI/CAR	ГНЕ	Rosenheim, B./Tulane/N/A		Cocodrie - Cocodrie	4/Other/F/No
13 JUL to 26 JUL	NA9/GOM/Oiled Shipwre	ecks	Hamdan, L./NRL-DC/N/A		Cocodrie - Cocodrie	14/NAVY/F/No
27 JUL to 02 AUG	NA9/GOM/Hypoxia		Rabalais, N./LUMCON/N/A		Cocodrie - Cocodrie	7/NOAA/F/No
03 AUG to 21 AUG	NA9/GOM/UHSI Efficien	cy	Somerton, D./AFSC/N/A		Cocodrie - Cocodrie	19/NOAA/F/No
25 AUG to 27 AUG	NA9/GOM/Multiple Invas	sive	Sammarco, P./LUMCON/N/A		Cocodrie - Cocodrie	3/BOEM/F/No
30 AUG to 06 SEP	NA9/GOM/Gas Hydrates	SFO	Lutken, C./Ole Miss/N/A		Cocodrie - Cocodrie	8/BOEM/F/No
07 SEP to 14 SEP	NA9/GOM/Benthic Dredg	ging	Rabalais, N./GoMRI/CWC		Cocodrie - Cocodrie	8/GOMRI/F/No
18 SEP to 25 SEP	NA9/GOM/ECOGIG		Highsmith, R./Ole Miss/N/A		Cocodrie - Cocodrie	8/GOMRI/F/No
28 SEP to 04 OCT	NA9/GOM/Moorings		Williams, P./Fugro-GEO	OS/N/A	Cocodrie - Cocodrie	7/Other/F/No
06 OCT to 10 OCT	NA9/GOM/SEAMAP		Delaune, S./LaDWF/N/A	A	Cocodrie - Cocodrie	5/State/F/No
11 OCT to 16 OCT	NA9/GOM/Galveston Tiss	sue	Franks, J./EPA-R6/N/A		Cocodrie - Cocodrie	6/EPA/F/No
26 OCT to 29 OCT	NA9/GOM/SEAMAP		Gima, A./LaDWF/N/A		Cocodrie - Cocodrie	4/State/F/No
03 NOV to 05 NOV	NA9/GOM/Moorings		Gupte, K./BMT/N/A		Cocodrie - Cocodrie	3/Other/F/No
10 NOV to 12 NOV	NA9/GOM/Moorings		Kurrus, K./EHI/N/A		Cocodrie - Cocodrie	3/Other/F/No
01 DEC to 05 DEC	NA9/GOM/SEAMAP		Gima, A./LaDWF/N/A		Cocodrie - Cocodrie	5/State/F/No
	CY2014					
	Agency BOEM	Funded 11	Proposed 0	TOTAL 11		
	DOE	4	0	4		
	EPA	6	0	6		
	GOMRI	40	0	40		
	NAVY NOAA	31 41	0 0	31 41		
	State	14	0	14		

<u>51</u> 200

Other TOTAL <u>51</u> 200

LUMCON RESEARCH GRANTS, July 1, 2012 TO June 30, 2013

NEW PROJECTS:

NEW PROJECTS:					
GRANTING ENTITY	FACULTY MEMBER(S)		AMOUNT OF AWARD	CONTRACT PERIOD	TITLE OF AWARD
LA DEPT. WILDLIFE & FISHERIES	DR. ED CHESNEY	\$	79,164.00	07/01/2012 TO 06/30/2014	EVALUATING THE EFFECTS OF OIL & GAS EXPLOITATION REEF HABI- TAT FOR NEWLY RECRUITED SNAP- PER
EPA	KERRY ST. PE	\$	597,333.00	10/1/2012 THRU	BARATARIA TERREBONNE NA- TIONAL ESTUARY PROGRAM - FY 2013
DEPT. OF DEFENSE/ ARMY CORPS	DR. CHARLES SASSER	\$	112,200.00	10/01/2012 TO 12/31/2013	CWPPRA, FY 13 PLANNING, PRO- JECT, PRIORITY - ACADEMIC ADVI- SORY GROUP - PPL#23
DEPT. OF DEFENSE/ ARMY CORPS	DR. NANCY RABALAIS / SUSAN BERGERON	\$	10,000.00	10/01/2012 TO 04/01/2014	CWPPRA, FY 13 PLANNING, PRO- JECT, PRIORITY - ACADEMIC ADVI- SORY GROUP SUPPORT
GULF OF MEXICO ALLI- ANCE, INC./GoMRI	DR. ED CHESNEY	\$	657,945.00	10/04/2012 TO 12/31/2013	DEFINING ECOLOGICALLY RELE- VANT SUBLETHAL EFFECTS: HOW DO LEVELS OF EXPOSURE TO OIL AND DISPERSANTS AFFECT PER- FORMANCE TO SURVIVAL OF LAR- VAE OF GULF NEKTON
COASTAL PROTECTION & RESTORATION AUTHORITY	KERRY ST. PE	\$	136,355.00	01/01/2013 TO 12/31/2015	PIPING PLOVER AND NESTING BIRD SURVEYS AND PRE-CONSTRUCTION BENTHIC BENTHIC INVERTEBRATE SAMPLING
OFFICE OF NAVAL RE- SEARCH	J MALBROUGH	\$	74,400.00	03/01/2013 TO 12/31/2013	SHIPTIME FOR NAVY PROJECTS - PELICAN 2013
NSF	J MALBROUGH	\$	11,336.00	04/01/2013 TO 03/31/2014	OCEANOGRAPHIC TECHNICAL SER- VICES, 2012-2016, R/V PELICAN
LA ENVIRONMENTAL EDUCATION COMMIS- SION/LDWF	JENNIFER "MURT" CONO- VER	\$	2,450.00	05/01/2013 TO '05/15/2014	IN-DEPTH INVESTIGATION: A TEACHER WORKSHOP ABOUT THE OCEAN
	SUB-TOTAL	\$1	,681,183		

RENEWED, EXTENDED PROJECTS:									
TULANE - USGS	DR. ALEX KOLKER	\$	-	EXT. TO 09/22/2012	LOWER MISSISSIPPI DELTAIC PLAIN ENVIRONMENTAL OBSERVATORY: A USGS LONG-TERM ESTUARY AS- SESSMENT GROUP (LEAG) COL- LABORATION				
LSU SEA GRANT/NOAA	DR. ED CHESNEY	\$	-	EXT. TO 09/30/2012	EXPANDING PRODUCTION OF COM- MERCIAL FINFISH IN THE NGOM: DEVELOPMENT OF NOVEL SPAWN- ING PROTOCOLS FOR DIFFICULT TO SPAWN MARINE FISHES				
BUREAU OF OCEAN EN- ERGY MNGMT	DR. PAUL SAMMARCO	\$	173,613.00	NO CHANGE	DEEP-WATER RECONNAISSANCE OF POTENTIALLY SENSITVE BIO- LOGICAL FEATURES (PSBF'S) SUR- ROUNDING SHELF-EDGE TOPOG- RAPHIC BANKS IN THE NORTHERN GULF OF MEXICO				
DEPT. OF DEFENSE - US ARMY CORPS	KERRY ST. PE	\$	-	EXT. TO 09/30/2012	CWPPRA, PLANNING, FY10 OUT- REACH VIDEO & PHOTO				
DEPT. OF DEFENSE - US ARMY CORPS	KERRY ST. PE	\$	-	EXT. TO 12/31/2012	CWPPRA, PLANNING, FY11 OUT- REACH VIDEO & PHOTO				

Renewed, Extended Projects (continued):

GRANTING ENTITY	FACULTY MEMBER(S)	ADDITIONAL AWARD	CONTRACT PERIOD	TITLE OF AWARD
LSU SEA GRANT - OCPR	DR. ALEX KOLKER	\$ 50,000.00	06/01/11 THRU	COASTAL SCIENCE ASSISTAN- SHIP PROGRAM (CSAP) WETLAND FORMATION FROM
NOAA/NCCOS	DR. NANCY RABALAIS	\$ 210,897.00	NO CHANGE	NGOMEX09: INTEGRATED ECO- SYSTEM MODELING OF THE CAUSES OF HYPOXIA AMEND- MENT - YEAR 3 FUNDS ADDED
NOAA/NCCOS	DR. MICHAEL DAGG	\$ 25,293.00	NO CHANGE	NGOMEX 2009 - MECHANISMS CONTROLLING HYPOXIA: INTE- GRATED CAUSAL MODELING - YEAR 4 FUNDS ADDED
BOR - LEQSF	CHANGE PI TO DR. ALEX KOLKER	\$ -	EXT. TO 06/30/2013	BOR ENHANCEMENT SUPPORT FUND: ENHANCEMENT OF CAPA- BILITIES TO ANALYZE IMPACTS OF ENVIRONMENTAL CHANGE ON ECOSYSTEM PROCESSES IN COASTAL LOUISIANA
TEXAS A&M RESEARCH FNDTN/NOAA	DR. NANCY RABALAIS	\$ 45,000.00	EXT. TO 05/31/2016	CONTINUED SUPPORT OF GCOOS -RA DATA PORTAL, YEAR 2
NSF	DR. BRIAN ROBERTS	\$ 74,189.00	EXT. TO 03/31/2013	REU SITE: INTERDISCIPLINARY RESEARCH EXPERIENCES IN CHANGING COASTAL ENVIRON- MENTS (YEAR 2)
NSF	DR. BRIAN ROBERTS	\$ 74,674.00	EXT. TO 03/31/2014	REU SITE: INTERDISCIPLINARY RESEARCH EXPERIENCES IN CHANGING COASTAL ENVIRON- MENTS (YEAR 3)
STATE OF FL - EPA	MURT CONOVER	\$ 25,613.12	EXT. TO 02/01/2012	GULF ALLIANCE PARTNERSHIP (YEAR 2) - EXPERIENTIAL ENVI- RONMENTAL EDUCATION PRO- JECT BY LUMCON
BUREAU OF OCEAN EN- ERGY MNGMT REGULA- TION, AND ENFORCE- MENT (BOEM) - FOR- MALLY MMS	DR. PAUL SAMMARCO	\$ -	EXT. TO 4/30/2013	NEW INVASIVE MARINE SPECIES COLONIZING OIL/GAS PLATFORMS IN THE NORTHERN GULF OF MEX- ICO: VERIFICATION AND EXAMINA- TION OF SPREAD

SUB-TOTAL: \$679,279.00 TOTAL: \$2,360,462.00

NEW PROJECTS:	NEW PROJECTS: LUMCON RESEARCH GRANTS, July 1, 2013 TO June 30, 2014									
GRANTING ENTITY	FACULTY MEMBER(S)	AMOUNT OF AWARD	CONTRACT PERIOD	TITLE OF AWARD						
LSU - OFFICE OF COASTAL PROTECTION AND RESTORATION (OCPR)	DR. BRIAN ROBERTS	\$25,000.00	06/01/2013 TO 5/31/2014	COASTAL SCIENCE ASSISTANSHIP PROGRAM (CSAP)						
UNIVERSITY OF LOU- ISIANA AT LAFAYETTE / NOAA / NMFS	JENNIFER "MURT" CONOVER	\$11,376.00	07/01/2013 TO 05/31/2015	A WATERSHED EDUCATION: WATER QUALITY AND GIS ANALYSIS ON BAYOU VERMILION						
NORTH LAFOURCHE CONSERVATION, LEVEE AND DRAINAGE DISTRICT	KERRY ST. PE	\$20,000.00	08/29/2013 TO 12/21/2013	COOPERATIVE ENDEAVOR - LOWER BAYOU FOLSE PROPOSED WETLAND CREATION AND DREDGING PROJECT						
DEPT. OF DEFENSE/ ARMY CORPS	DR. CHARLES SASSER	\$112,000.00	10/01/2013 TO 04/01/2014	CWPPRA, FY 14 PLANNING, PROJECT, PRIORITY - ACADEMIC ADVISORY GROUP - PPL#24						
DEPT. OF DEFENSE/ ARMY CORPS	SUSAN BERGERON	\$11,990.00	10/01/2013 TO	ACADEMIC ADVISORY GROUP MEETING SUPPORT						
EPA	KERRY ST. PE	\$512,000.00	10/1/2013 THROUGH 09/30/2018	BARATARIA TERREBONNE NATIONAL ESTUARY PROGRAM - FY 2014						
WATER INSTITUTE OF THE GULF/CPRA	DR. ALEX KOLKER	\$49,880.00	12/01/2013 THROUGH 09/01/2014	STRATGRAPHIC DEVELOPMENT OF CERVASSE SPLAY ISLANDS IN WEST BAY						
STRATUS CONSULT- ING/LOSCO/CPRA/ NRDA	DR. ED CHESNEY	\$174,380.03	01/15/2014 THROUGH 1/14/2015	POTENTIAL LETHAL AND SUBLETHAL EFFECTS OF DEEPWATER HORIZON (DWH) OIL AND /OR DISPERSANT OF GULF MENHADEN AND BAY AN- CHOVY						
LAKE PONTCHARTRAIN BASIN FOUNDATION	DR. ALEX KOLKER	\$16,500.00	02/27/2014 THROUGH 08/31/2014	BERYLLIUM-7 ANALYSIS FROM MARDI GRAS PASS						
NATIONAL AUDUBON SOCIETY, INC	DR. ALEX KOLKER	\$14,886.00	04/01/2014 THROUGH 09/30/2014	DEVELOPMENT OF DELTAIC ISLANDS IN THE WEST BAY RECEIVING BASIN						
VAISALA	DR NANCY RABALAIS	\$1,200.00	06/01/2014 THROUGH 05/31/2015	LIGHTNING DETECTION SENSOR SIGHT AGREE- MENT						
	SUB-TOTAL	.949,212								
RENEWED, EXTEND	DED PROJECTS:									
GRANTING ENTITY	FACULTY MEMBER(S)	ADDITIONAL AWARD	CONTRACT PERIOD	TITLE OF AWARD						
BUREAU OF OCEAN ENERGY MNGMT REGULATION, AND ENFORCEMENT (BOEM) - FORMALLY MMS	DR. PAUL SAMMARCO	\$124,881.00	NO CHANGE	DEEP-WATER RECONNAISSANCE OF POTEN- TIALLY SENSITVE BIOLOGICAL FEATURES (PSBF'S) SURROUNDING SHELF-EDGE TOPOG- RAPHIC BANKS IN THE NORTHERN GULF OF MEXICO						

GRANTING ENTITY	FACULTY MEMBER(S)	ADDITIONAL AWARD	CONTRACT PERIOD	TITLE OF AWARD
BUREAU OF OCEAN ENERGY MNGMT REGULATION, AND ENFORCEMENT (BOEM) - FORMALLY MMS	DR. PAUL SAMMARCO	\$124,881.00	NO CHANGE	DEEP-WATER RECONNAISSANCE OF POTEN- TIALLY SENSITVE BIOLOGICAL FEATURES (PSBF'S) SURROUNDING SHELF-EDGE TOPOG- RAPHIC BANKS IN THE NORTHERN GULF OF MEXICO
LSU SEA GRANT - NOAA	DR. ALEX KOLKER AND DR. BRIAN ROBERTS	\$44,987.00	EXT. TO 01/31/2014	SEDIMENT DYNAMICS AND BIOGEOCHEMICAL CYCLING IN A DEVELOPING DELTAIC SYSTEM: UNDERSTANDING LAND BUILDING AND HABITAT QUALITY IN A RIVER DIVERSION -AMENDMENT 1 (1/2 FUNDING)
LSU SEA GRANT - NOAA	DR. ALEX KOLKER AND DR. BRIAN ROBERTS	\$44,986.00	NO CHANGE	SEDIMENT DYNAMICS AND BIOGEOCHEMICAL CYCLING IN A DEVELOPING DELTAIC SYSTEM: UNDERSTANDING LAND BUILDING AND HABITAT QUALITY IN A RIVER SYSTEM
NOAA/NCCOS	DR. NANCY RABALAIS	\$210,868.00	EXT. TO 08/31/2014	NGOMEX09: INTEGRATED ECOSYSTEM MODELING OF THE CAUSES OF HYPOXIA AMENDMENT - YEAR 5 FUNDS ADDED
NOAA/NCCOS	DR. MICHAEL DAGG	\$33,512.00	EXT. TO 08/31/2014	NGOMEX 2009 - MECHANISMS CONTROLLING HYPOXIA: INTEGRATED CAUSAL MODELING - YEAR 5 FUNDS ADDED
EPA	KERRY ST. PE	0	EXT TO 09/30/2015	BARATARIA-TERREBONNE NATIONAL ESTUARY PROGRAM - FY11

Renewed, Extended Projects (continued):								
GRANTING ENTITY	FACULTY MEMBER(S)	ADDITIONAL AWARD	CONTRACT PERIOD	TITLE OF AWARD				
EPA	KERRY ST. PE	0	EXT. TO 09/30/2016	BARATARIA-TERREBONNE NATIONAL ESTUARY PROGRAM - FY12				
GULF OF MEXICO ALLI- ANCE / GoMRI	DR. ED CHESNEY	\$0.00	EXT. TO 12/31/2014	DEFINING ECOLOGICALLY RELEVANT SUB- LETHAL EFFECTS: HOW DO LEVELS OF EXPO- SURE TO OIL AND DISPERSANTS AFFECT PER- FORMANCE TO SURVIVAL				
DEPT. OF DEFENSE/ARMY CORPS/USGS	DR. NANCY RABALAIS AND SUSAN BERGERON	\$ -	EXT. TO '04/01/2014	CWPPRA, FY 13 PUBLIC OUTREACH SUPPORT				
LSU / BP EXPLORATION & PROD. INC.	DR ED CHESNEY	\$ -	EXT. TO 12/31/2013	BIOLOGICAL IMPACTS OF OIL DISPERSANT ON FISH FAUNA OF DEEP WATERS: ASSESSING IMPACTS OF THE DEEPWATER HORIZON EVENTS				
воем	DR. PAUL SAMMARCO	\$ -	EXT. TO '04/30/2015	NEW INVASIVE MARINE SPECIES COLONIZING OIL/GAS PLATFORMS IN THE NORTHERN GULF OF MEXICO: VERIFICATION AND EXAMINATION OF SPREAD				
DEPT. OF DEFENSE/ARMY CORPS	DR. NANCY RABALAIS AND SUSAN BERGERON	\$ -	EXT. TO '09/30/2014	CWPPRA, FY 13 PLANNING, PROJECT, PRIORITY - ACADEMIC. ADVISORY GROUP SUPPORT				
LSU SEA GRANT - NOAA	DR. ALEX KOLKER AND DR. BRIAN ROBERTS	\$ -	EXT. TO '05/31/2014	SEDIMENT DYNAMICS AND BIOGEOCHEMICAL CYCLING IN A DEVELOPING DELTAIC SYSTEM: UNDERSTANDING LAND BUILDING AND HABITAT QUALITY IN A RIVER DIVERSION -AMENDMENT 3				
NSF	JOE MALBROUGH	\$24,300.00	NO CHANGE	SHIP OPERATIONS - 2012 - AMENDMENT 2				
NSF	JOE MALBROUGH	\$40,500.00	NO CHANGE	SHIP OPERATIONS - 2012 AMENDMENT 3				
LA DEPT. WILDLIFE & FISH- ERIES	DR. ED CHESNEY	\$63,199.00	EXT TO '06/30/2015	EVALUATING THE EFFECTS OF OIL & GAS EX- PLOITATION REEF HABITAT FOR NEWLY RE- CRUITED SNAPPER - YR 2 FUNDS AND EXTEN- SION				
DEPT. OF DEFENSE/ARMY CORPS	DR. NANCY RABALAIS AND SUSAN BERGERON	\$ -	EXT TO '04/01/2015	CWPPRA, FY 13 PUBLIC OUTREACH SUPPORT				
DEPT. OF DEFENSE/NAVY	JOE MALBROUGH	\$96,000.00	EXT TO '06/30/2014	NAVY SHIPTIME - R/V PELICAN 2013				
NOAA/NCCOS	DR. MICHAEL DAGG	\$13,938.00	EXT TO '08/31/2015	NGOMEX 2009 - MECHANISMS CONTROLLING HYPOXIA: INTEGRATED CAUSAL MODELING - SHIP FUNDS ADDED				
NOAA/NCCOS	DR. NANCY RABALAIS	\$118,002.00	EXT TO '08/31/2015	NGOMEX09: INTEGRATED ECOSYSTEM MODEL- ING OF THE CAUSES OF HYPOXIA SHIP FUNDS ADDED - AMENDMENT 6				
LA ENVIRONMENTAL EDU- CATION COMMISSION/ LDWF	JENNIFER "MURT" CONOVER	\$2,492.00	05/16/2014 TO '05/31/2015	BIODIVERSITY AND SUSCEPTABILITY OF LOUISI- ANA SALT MARSHES				
COASTAL PROTECTION RESTORATION AUTHOR- ITY	KERRY ST. PE	\$33,228.00	NO CHANGE	PIPING PLOVER AND NESTING BIRD SURVEYS AND PRE-CONSTRUCTION BENTHIC INVERTE- BRATE SAMPLING				
TEXAS A&M RESEARCH FNDTN/NOAA	DR. NANCY RABALAIS	\$30,000.00	EXT TO '05/31/2015	CONTINUED SUPPORT OF GCOOS-RA DATA PORTAL, YEAR 2				
NOAA/NCCOS	DR. NANCY RABALAIS	\$ -	EXT TO '08/31/2015	NGOMEX09: INTEGRATED ECOSYSTEM MODEL- ING OF THE CAUSES OF HYPOXIA SHIP FUNDS ADDED - NCE				
BUREAU OF OCEAN EN- ERGY MANAGEMENT (BOEM)	DR. PAUL SAMMARCO	\$20,830.50	EXT TO '12/31/2015	GENETIC AFFINITIES IN POPULATIONS OF THE INVASIVE INDO-PACIFIC CORAL TUBASTRAEA MICANTHUS ON THE NORTHERN GOM PLATFORMS: MULTIPLE INVASIONS				
COSORTIUM FOR OCEAN LEADERSHIP / GULF OF MEXICO RESEARCH INITIA- TIVE	DR. NANCY RABALAIS	\$0.00	EXT TO 12/31/2015	COASTAL WATERS CONSORTIUM MASTER RE- SEARCH GRANT				
	SUB-TOTAL	\$901,724.00						
	GRAND TOTAL	\$1,850,936.00						

