



The Lake Pontchartrain Basin Foundation The Environmental Defense Fund

Announce the:

Oyster Reef Workshop

August 7th and 8th

The Oyster Reef Workshop will include presentations from experts in the field of oyster reef restoration and study. Topics that will be covered include: Historic and current extent of oyster reefs, oyster reef ecology and ecologic benefits to other fisheries, technical nature of reefs including wave attenuations and shoreline stabilization, oyster reef restoration project development, permitting and liability for artificial reefs and presentations about oyster reef restoration projects executed by NGO, academia and government agencies. There will be two plenary sessions, one discussing oyster reefs and the State Master Plan and another discussion lessons learned from restoration projects and future direction of oyster reef restoration.

The Workshop is free to attend, however, please register so the attendance can be accommodated

To Register:

Please email therynhenkel@gmail.com with your **name and affiliation**

Box lunches will be provided for a \$10 fee. If you will be purchasing lunch **please indicate your preference of roast beef, ham, turkey or vegetarian sandwich** for both days (you can reserve a different sandwich for each day). We do have lunch time speakers so if you are not purchasing lunch please bring one as there will not be time to go off site.

Registration Deadline is Friday, August 2nd

Location

University of New Orleans
Research and Technology Park
Lindy Boggs International Conference Center
Room 152
2045 Lakeshore Drive
New Orleans, LA
70122

AGENDA IS TENTATIVE AND SUBJECT TO CHANGE

Tentative Agenda

(subject to change)

August 7th

8:30 am: Opening Remarks, Loren Coen, Research Professor, Department of Biological Sciences and Harbor Branch Oceanographic Institute, Florida Atlantic University

9:00 am - 10:10 am:

Session 1: Historic and current extent of oyster reefs in Louisiana and geologic setting

9:00 am **R. Condrey** - Louisiana's vast offshore oyster reef ca. 1519-1807, an internationally prominent navigational hazard defining, building, and protecting the coast: Independent eyewitness accounts of Barroto, Evia, Dumain, and Lafon supported by Charlevoix and Chavez

9:15 am **E. Melancon** - A Review of major oyster habitat studies in Louisiana from the Late 19th through the 20th century

9:30 am **P. Banks**- Geographic extent of public oyster areas and private oyster leases in Louisiana

9:45 am **W. Gagliano** and M. Gagliano - Oysters as a geological agent

10:00 am Questions/Discussion

10:10 am **BREAK**

10:20 am -11:30 am

Session 2: Oyster reef ecology and ecological benefits to other fisheries

10:20 am **L. Coen**- An overview of current oyster reef ecology and restoration efforts across the U.S. with a focus on related goals, metrics and methodologies

10:50 am **A. Humphries**, L. Schwarting and M. LaPeyre - Quantitative evaluation of Nekton use of created oyster reefs: abundance, diversity and potential fishery value

11:05 am **K. Brown**- Effect of artificial reef substrate on nekton and commensal abundance

11:20 am Questions/Discussion

11:30 am **LUNCH**

Key Note Speaker: John Tesvich, President of the Louisiana Oyster Task Force- Title TBA

12:30 pm - 1:40 pm

Session 3: Technical nature of reefs

12:30 pm **T. Soniat** - Oyster reef restoration and sustainable fishing: shell budgets as a confluent methodology

12:45 pm **J. Risinger** - Artificial reefs as coastal breakwaters

1:00 pm **B. Webb** - Laboratory measurements and field observations of wave attenuation by living shoreline reefs

1:15 pm **B. Piazza** - Different approaches to assess the shoreline stabilization function of bioengineered reefs

1:30 pm Questions/Discussion

1:40 pm **BREAK**

1:50 pm - 3:00 pm

Session 4: Project Development

1:50 pm **S. Blitch** - How TNC has selected sites in the past, and what we will do differently in the future

2:05 pm **A. Freeman** and H. Roberts - A geological approach to the evaluation and creation of oyster habitat

2:20 pm **L. Baggett** - Developing universal metrics and criteria for judging the performance of oyster restoration projects

2:35 pm **L. Coen** - Developing "restoration-goal based metrics" for judging the performance of oyster restoration projects

2:50 pm Questions/Discussion

3:00 pm **BREAK**

3:10 pm - 4:20 pm

Session 5: Permitting, legality and liability for artificial reefs

3:10 pm **K. Morgan** - Permitting for Oyster Reef Projects

3:25 pm **L. Robinson** - Assessing Risk in Oyster Restoration Projects

3:40 pm **LA. Landowners Association Attorney** - TBA

3:55 pm **I. Brown** - Artificial Reefs and Liability

4:10 pm Questions/Discussion

4:20 pm **BREAK**

4:30 pm - 5:30 pm

Plenary: Oyster Reefs and the State Master Plan

Led by: Natalie Peyronnin, CPRA

Panel TBA

August 8

9:00 am - 11:30am

Session 6: In depth review of three oyster reef restoration projects

9:00 am **M. LaPeyre**, A. Humphries, S. Casas and J. LaPeyre - Development of ecological services on created shell oyster reefs in coastal Louisiana

9:45 am **BREAK**

9:50 am **A. Smith Kyle, L. Schwarting, M. Gagliano** - A partnership to protect Louisiana coastal shoreline and create jobs by building oyster reefs

10:35 am **BREAK**

10:40 am **E. Melancon** and G. Curole - Mid-Term Assessment of CWPPRA Project TE-45: Shoreline Stabilization and Oyster Reef Development

11:30 am **LUNCH**

Key Note Speaker: Loren D. Coen, Ph.D. Research Professor, Department of Biological Sciences and Harbor Branch Oceanographic Institute, Florida Atlantic University

An Overview of Approaches for Mapping and Assessing Intertidal and Subtidal Oyster Habitat: Don't We Need to Know What We've Got Before Its Gone (or We Need to Know What We Have Before We Can Assess What We Lost and Begin to Restore Reefs).

12:30 pm - 1:55 pm

Session 7: Oyster reef restoration: Hatchery, ecological and commercial programs and perspectives

12:30 am **J. Supan** - Hatchery production in oyster restoration

12:45 pm **P. Banks** - History of Commercial Oyster Reef-Building Activities by LDWF

1:00 pm **T. Ortego** - Engineered Oyster Reef Wave Attenuation on the Gulf Shoreline

1:15 pm **M. Lapeyre**, J. Furlong, L. Brown, B. Piazza and K. Brown - Oyster reef restoration in the Northern Gulf of Mexico: extent, methods, outcomes

1:30 pm **W. Gagliano** -TBA

1:45 pm Questions/Discussion

1:55 pm **BREAK**

2:15 pm - 3:15 pm

Session 8: Plenary - Lessons learned from oyster reef restoration projects

Panelists: M. LaPeyre, A. Smith Kyle, E. Meloncon, P. Banks, M. Gagliano

3:15 pm **BREAK**

3:30 pm - 4:30 pm

Session 9: Wrap up discussion - Future of artificial reefs

