



Indian River Lagoon National Estuary Program

1235 Main Street, Sebastian City Hall Complex, Sebastian, FL 32958

“One Lagoon – One Community – One Voice”

IRLNEP FY 2012 – 2016 Committee Participation

12 Technical Assistance:

- Basin Management Action Plan Development Committee, north IRL, central IRL and Banana River – FDEP
- Northeast Florida Estuary Restoration Team (NERT) Steering Committee. Recurring.
- East Central Florida Estuary Restoration Team (ECERT) Steering Committee. Recurring.
- Member of Martin County Agriculture & Natural Resources Advisory Committee – appointment by Martin County Board of County Commissioners. Recurring.
- St. Lucie River Issues Team Steering Committee. Recurring.
- Marine Resource Council Ecosystem Health Assessment and Report Card Steering Committee.
- Stakeholder review committee for FDEP/SJRWMD IRL Stormwater Capture and Treatment Project Development and Feasibility Study.
- Brevard County TMDL Target Refinement Process – Stakeholder review and support. Recurring.
- Volusia County Reasonable Assurance Plan (RAP) - Stakeholder review and support. Recurring.
- Volusia County IRL NEP northern planning boundary amendment – IRL NEP (STEM AC evaluation and recommendations).
- Subject matter expert support for the Indian River Lagoon Economic Valuation Update prepared by East Central Florida and Treasure Coast Regional Planning Councils and funded by the Florida Department of Economic Opportunity Community Planning Technical Assistance Grant P0169.
- FAU/HBOI “Connecting Users to IRL Data Initiative” Conference Steering Committee (12/7-8/2015).

15 Education/Outreach (Recurring):

- Program Chair, IRL Regional Envirothon 2010-Present
- Florida Society for Ethical Ecotourism Board of Directors 2012- 2014
- Planning committee, Palm Bay rain garden workshops
- Florida-friendly landscaping seminars
- Florida Yards and Neighborhoods seminars
- My Brevard Yard planning committee
- Roll out the Rainbarrels art walk planning committee (3)
- Palm Bay Waterfest planning committee
- Bark in the Bay pet waste awareness program planning committee, 2 events each year in Palm Bay at Regional Park dog park
- Brevard Horticulture Agent Advisory Committee, Brevard IFAS

- Brevard Master Gardener Steering Committee, Brevard IFAS
- Brevard Sea Grant Agent Advisory Committee, Brevard IFAS
- Steering Committee and facilitator, MRC American Assembly on health of the IRL FY 2014
- Indian River Lagoon Day steering committee

IRLNEP FY 2015-2016

96 Public Presentations, Events and Technical Transfer Engagements:

9 September 2015: Matt Reed Florida Today
 14 September 2015: Attended Space Coast League of Cities Event
 25 September 2015: IRL Tech Conference @ FL Tech
 15 October 2015: Volusia County Council Meeting
 20 October 2015: Presentation to Friends of Ulumay, N. Merritt island, FL
 22 October 2015: Marine Resources Council Annual Members Meeting
 29 October 2015: Presentation to Anderson Elementary 4th Grade, 100 children
 2 November 2015: Presentation to IRL Research Institute @ FL Tech
 3 November 2015: Presentation to West Side Elementary School-Palm Bay, 100 children
 5 November 2015: Presentation to Florida Environmental Health and Safety Professionals Round Table

 10 November 2015: Presentation to SJRWMD Governing Board
 11 November 2015: Presentation to Melbourne Chamber of Commerce ENGAGE Event
 12 November 2015: Field trip with Rising StarAcademy, 8 kids
 12 November 2015: Protect Our Waters at Brevard Zoo
 13 November 2015: Presentation to Senator Thad Altman appreciation Event
 14 November 2015: Indian River Lagoon Day Front Street Park, Melbourne FL
 18 November 2015: Presentation to Treasure Coast Regional League of Cities
 19 November 2015: IRL Day event, Brevard County, 500 people attended
 20 November 2015: Presentation to Tri-Beta Honor Society, Florida Tech
 20 November 2015: South C-44 Reservoir and Stormwater treatment Area Ribbon Cutting
 5 December: 2015 Ocean Reef & Beach Festival Satellite Beach
 2-4 December 2015: ANEP Tech Transfer Conference @ San Juan Puerto Rico
 7-8 December 2015: Connecting IRL Data with Users Workshop @ HBOI
 10 December 2015: Mosquito Lagoon water quality field trip with Volusia County staff
 16 December 2105: Presentation to Our Savior School, 17 kids
 16 December 2015: Presentation to Port Canaveral
 6 January 2016: Northeast Estuaries Habitat Restoration Team Meeting Marine Discovery Center
 11 January 2016: Presentation to City of Stuart Commission Meeting City Hall
 12 January 2016: Presentation to SJRWMD Governing Board
 21 January 2016: IRL Health Assessment Workshop @ Marine Resources Council
 22 January 2016: Youth Making Ripples Film Festival
 26 January 2016: Keynote Address Indian River Citrus League Banquet
 8 February 2016: Presentation to Vero Beach Marine Commission, Vero Beach City Hall
 8 February 2016: Wheeler Stormwater Park Ribbon Cutting
 9 February 2016: SJRWMD Governing Board
 11 February 2016: Keynote Address Indian River Lagoon Science Symposium @ HBOI
 13 February 2016: Party in the Park, Ft. Pierce

16 February 2016: Presentation to Vero Beach City Council

22-25 February 2016: Washington DC EPA Spring Meetings

26 February 2016: IRL Regional Envirothon

27 February 2016: Nature Fest, Manatee Observation Center, Ft. Pierce

3 March 2016: Presentation to Indian River Chamber of Commerce

6 March 2016: Water Quality Discussion with IRL Fishing Guides at Captain Frank Catino House

14 March 2016: Presentation to Space Coast League of Cities

22 March 2016: Water Quality Discussion Indianalantic City Hall

22 March 2016: Presentation to Friends of Sebastian River

23 March 2016: Presentation to FL Tech Department of Marine and Environmental Sciences

23 March 2016: Presentation to Satellite Beach Sustainability Committee and Concerned Citizens

24 March 2016: Interview with Matt Reed @ FL Today

29 March 2016: Presentation to Brevard County Board of County Commissioners

1 April 2016: Presentation to Cocoa Beach Regional Chamber Government Affairs Committee

1 April 2016: IRL Health Discussion with FL Today Editor Bob Gabordi and staff

2 April 2016: Lagoonacy, Marine Discovery Center, New Smyrna Beach

12 April 2016: Participate in South Atlantic Living Shorelines Summit, Jacksonville FL

19 April 2016: Presentation to Brevard County Commission re: EEL Program

20 April 2016: Presentation to Indianalantic Rotary

26 April 2016: Presentation to Melbourne Chamber of Commerce Government Affairs Committee

27 April 2016: Presentation to Port Canaveral Commission

27 April 2016: Presentation to Space Coast Tourism Development Board

30 April 2016: Presentation IRL Compact Signing - Space Coast and Treasure Coast League of Cities

30 April 2016: Master of Ceremonies 25th Anniversary Event Archie Carr National Wildlife Refuge

3 May 2016: IRL Briefing for Space Coast EDC Community Leader Trip to Washington DC

10 May 2016: Presentation to Sebastian Chamber of Commerce

10 May 2016: Presentation to Nettles Island Community Action Association, Jensen Beach, FL

11 May 2016: Presentation to Space Coast Science Café

12 May 2016: Presentation to FL Audubon Board Meeting

21 May 2016: Lagoon Fest, Brevard County

25 May, 2016: Presentation to Friends of Thousand Islands

27 May 2016: Presentation to Anderson Middle School, 180 children

3 June 2016: Briefing with Trust for Public Lands RE: Brevard County Save Our Lagoon Plan

7 June 2016: Presentation to Restoration Advisory Board PAFB 45th Space Wing

10 June 2016: Summer Camp Palm Bay academy, 8 children

11 June 2016: Presentation to Space Coast League of Cities Summit

20 June 2016: Presentation to Treasure Coast Regional Planning Council

28 June 2016: Sub-Committee on Managed Marshes

29 June 2016: Presentation to Rivers Coalition

30 June 2016: Summer Camp, Palm Bay Academy, 6 children

5 July 2016: Presentation to St. Lucie County Board of County Commissioners

8 July 2016: Presentation to Save Our Lagoon Organizational Meeting

11 July 2016: Presentation to Cocoa Beach Coast Guard Auxiliary

13-14 July 2016: Washington DC IRL & Everglades Congressional Event

4 August 2016: Presentation to Senate President Joe Negron, Tallahassee, FL

17 August 2016: Presentation to Keep Brevard Beautiful Lagoon Friendly Yards
 22 August 2016: North Brevard Democrats
 23 August 2016: Presentation to Harris Reverse Pitch
 24 August 2016: Presentation to Indian River Lagoon Coalition
 26 August 2016: Presentation to Sun Nuclear Corporation
 30 August 2016: Presentation to Cocoa Beach Daybreak Rotary Club
 31 August 2016: Presentation to *WeVenture: League of Extraordinary Women Event*
 7 September 2016: Presentation to Treasure Coast Council of Local Governments
 12 September 2016: Keynote Address Elise B. Newell Seminar Series, University of Florida Gainesville
 13 September 2016: Presentation to Business Voice Board Meeting on Save Our Lagoon Plan
 20 September 2016: Presentation to Harris Corporation IRL Monitoring Technology Reverse Pitch
 23 September 2016: Presentation to 2006 SHORE Symposium Daytona State College
 24 September 2016: Presentation to National Estuaries Day Marine Resources Council
 28 September 2016: Presentation to Port Canaveral Commission Meeting
 30 September 2016: Satellite Beach Stakeholder Meeting - Florida Sea Grant Research Project

IRLNEP FY 2014-2015

Public Presentations, Events and Technical Transfer Engagements:

20 Talks:

Rockledge Gardens, IRLNEP overview talk, 20 people.
 Alpha Phi sorority at Florida Tech, IRLNEP overview talk, 28 people.
 Gamma Phi Beta sorority at Florida Tech, IRLNEP overview talk, 25 people.
 Alpha Phi Omega fraternity at Florida Tech, IRLNEP overview presentation, 15 people
 Early Learning Coalition, IRLNEP overview talk
 Garden Club by the Sea, IRLNEP overview talk
 Cocoa Beach Library, IRLNEP overview talk
 Sebastian Library, IRLNEP overview talk
 DEP Mangrove workshop, IRLNEP overview talk
 Florida Tech, Language studies, IRLNEP overview talk
 Easter Seals, IRLNEP overview talk
 Brevard Master Gardeners presentation, IRLNEP overview talk
 Cocoa Beach Garden Club, IRLNEP overview talk
 Florida Tech Botanical Festival, IRLNEP overview talk
 (6) classroom presentations , 1,145 kids.

18 Events:

IRL Sciencefest, Smithsonian Marine Station, Ft. Pierce, 117 kids.
 Rain Barrel Workshops (3)
 Indian River Lagoon Day, Melbourne, FL
 IRL Regional Envirothon
 Grant Seafood Festival
 Pelican Island Wildlife Festival
 ELC Lagoon Days
 Party for the Planet
 Pelican Island NWR Earth Day
 Melbourne Arts Festival

National Estuaries Day
Ocean Reef Beach Festival
Beneath the Waves Film Festival
Party in the Park
Surf Fest
Melbourne Friday Fest

1 Trainings:

IRLNEP Teacher training, 4-days, 18 teachers.

IRLNEP FY 2013-2014

Public Presentations, Events and Technical Transfer Engagements:

21 Talks:

- Sierra Club Workgroup, seagrass status and IRL Health, 25 people,
- Friends of the Thousand Islands, seagrass status and IRL health, 20 people
- (4) My Brevard Yard Workshops, 25 people each time
- Palm Bay Rain Garden workshops (6), 15-30 people each time
- Satellite High Gifted Program, superbloom talk and use of scientific method to explore ecological issues, 120 students.
- Space Coast Science Educators Alliance, update on IRL issues, 50 people
- Brevard County Master Gardeners, status of IRL Health, 53 people
- UCF graduate class, Overview of the IRL, 20 students
- (2) Melbourne High, seagrass status and IRL health, 40 students
- Florida-Friendly Landscaping Seminar, overview and status of the IRL, 480 people
- Palm Bay Country Gardens HOA, seagrass status talk, 30 people
- Palm Bay Elementary School prep for Science Night, trained 30 kids on how to present the Enviroscope.

14 Events:

- (2) Beneath the Waves Film Festival, judge and panelist at FIT, attended by approx. 400 each time.
- Eco-living Jubilee, Kiwanis Park, Cocoa, FL 250 people, spoke with approx. 70.
- Wonder of Water Night Sabal Elementary, 500 kids.
- Party in the Park, Ft. Pierce, 300 people, spoke with about 150.
- Grant Seafood Festival, 65,000 people, spoke with approx. 500 over 2 days.
- IRL Regional Envirothon, 200 people.
- Pelican Island Festival, 4,000 people, spoke with about 250.
- Riverfest in Cocoa, FL, 600 people, spoke with about 200.
- Eastern Florida State College Earth Day, 300 people, spoke with about 70.
- Melbourne Arts Festival, 50,000 people, spoke with about 500 over 2 days.
- City of Melbourne Earth Day, 200 people, spoke with about 60.
- Science Night, Palm Bay Elementary, 200 people.
- Palm Bay Waterfest, 300 people, spoke with about 75.

2 Conferences:

- Florida Master Naturalists Annual Meeting, Cocoa Beach, invited speaker.
- Florida Society for Ethical Ecotourism Annual Meeting, invited speaker, Status of IRL, approx. 50 people.

2 Trainings:

- Aquatic pathogens webinar, NOAA.
- EPA webinar: Explaining HABs to the Public.

4 Assistance:

- MRC American Assembly at Florida Tech, small group breakout facilitator.
- MRC Brevard County Commission Workshop, attended by about 300 people.
- St. Lucie River Issues Team, proposal review and ranking.
- Facilitator MRC annual members meeting.

2 Awards:

- MRC Paul Kroegel Award for outstanding service to the IRL by a government employee.
- 2014 First “class” of Charlie Corbeil Conservation Award winners for conservation efforts that inspire others.

IRLNEP FY 2012-2013

Public Presentations, Events and Technical Transfer Engagements:

27 Talks:

- (6) St. Joseph’s School, Palm Bay 6th – 8th grades, IRL overview and ecological importance, approx. 150 kids.
- Roseland Community Association, seagrass status and IRL health, 60 people.
- Friends of St. Sebastian River, seagrass status and IRL health, 30 people.
- Sebastian Chamber of Commerce Luncheon, invited speaker, IRL seagrass status and health, 100 people.
- IRL Symposium at HBOI, 300 people, IRL Education and Outreach, status and opportunities.
- (5) My Brevard Yard Seminars, How being Florida-friendly helps improve water quality in the IRL, 30 people each time.
- Barrier Island Center, biodiversity talk, approx. 15 people.
- Banana Beach Community Association, Cocoa Beach, seagrass status and IRL health, 80 people.
- (3) West Shore Jr/Sr High School, IRL overview talk, 60 kids.
- Master Gardeners class, Brevard county IFAS, 51 people.
- Indian River Community Foundation Breakfast, invited speaker, 50 people, IRL health and seagrass status.
- Indian River Realtors Association Luncheon, Seagrass health and water quality in IRL, 85 people.
- Grand Harbor Audubon Society, Vero Beach, Principles of Florida-Friendly Landscaping, 92 people.
- Stormwater Working Group, SJRWMD, talk on Hands Across Lagoon event planning and requested participation, 40 people
- Manatee Observation Center, seagrass status ad IRL Health talk, 40 people.

- Florida Tech Environmental Club, seagrass status and IRL Health, 30 people.

23 Events:

- Space Coast Home, Garden and Healthy Living Expo, Space Coast Stadium, Viera. Attended by about 3,000 people, spoke with about 400
- IRL day event, Melbourne, 600 people, spoke with about 200.
- Ecotour Providers Workshop, quarterly; attended by approx. 35 each time.
- Party in the Park, Ft. Pierce, 1000 people, spoke with about 200.
- Wonder of Water Night, Harbor City Elementary 400 kids.
- IRL Regional Envirothon, 225 people.
- Grant Seafood Festival, 65,000 people, talked with approx. 500 over 2 days
- ELC Ecofest, 1,500 people, talked to about 400.
- Pelican Island Festival, 10000 people, spoke with about 500.
- West shore Jr/Sr High School, 3-day field trips, all 7th and 8th grades, hammock trail guided walk, 200 kids.
- West Shore Environmental Club, invasive species, 30 kids.
- Volusia County Marine Science Center Turtle Day, approx. 500 people, spoke with approx. 200.
- Sebastian Earth Day, 400 people, spoke with about 65.
- Eastern Florida State College Earth Day, 300 students, spoke with about 50.
- Melbourne Arts Festival, 2 days, 60,000 people, spoke with approx. 800 over 2 days.
- Waterfest, Palm Bay, 500 people, spoke with approx. 200.
- Bark in the Bay pet waste awareness event, 800 people, spoke with about 300
- Fellsmere stormwater workshop approx. 30 public plus town council
- Hands Across the Lagoon, 8 simultaneous events in 5 counties. Approx. 10,000 participants
- Palm Bay Demonstration Rain Gardens (3) and 5 workshops, each attended by approx. 20 people.
- Teacher Open House, Brevard Zoo, 400 teachers, spoke with about 150
- Brevard Secondary Science Conference, 250 teachers, spoke with approx. 100
- IRL Forum by Marine Discovery Center, attended by approx. 300 people, spoke with approx. 120

1 Conferences:

- Florida Society for Ethical Ecotourism annual meeting, Chair, Cocoa Beach, FL

1 Research:

- 2nd year of Florida Seagrass research grant using social media in boater education.

6 Assistance:

- Indian River County Community Foundation – provided information to assist Foundation in coordinating planned giving by foundation to organizations conducting research in the IRL
- City of Fellsmere stormwater master plan and public education, developed English and Spanish language flyers for residents to explain stormwater issues. Partner with Brevard County Natural Resources.
- St. Lucie River Issues Team, proposal review
- Muddy Water Blues Advanced Erosion and Sediment Control field day staff support, 200 people.
- Developed Rain Garden Manual with City of Palm Bay for use in implementing Rain Garden Workshops

- Developed Brown Tide brochure for public information for researchers at SUNY Sony Brook to be distributed at MDC IRL Forum. Forum attended by approx. 500 people.

IRLNEP FY 2011-2012

Public Presentations, Events and Technical Transfer Engagements:

43 Talks:

- (3) Florida Yards and Neighborhoods talks, attended by 28, 31, 27 people.
- Garden Fest, Vero Beach, attended by approx. 35 people.
- Brevard Master Naturalists advanced topics: biodiversity in the IRL, attended by approx. 25 people.
- Sebastian Natural Resources Board, Stormwater and its effect on the IRL, 38 attended.
- (4) Know the Flow workshops in Indian River County, attended by approx. 40, 30, 25, 20 people.
- Brevard County Master Gardeners, Stormwater talk, approx. 50 people.
- (2) Marine Naturalists Club at West Shore Jr/Sr. High school, 50 kids.
- (5) Melbourne High, IRL health status, approx. 80 students
- (6) West Shore Jr/Sr High, Intro to stormwater, 120 kids.
- Brevard Master Naturalists, biodiversity, 30 people.
- (4) Palm Bay Elementary School, primer on runoff and pollution prevention, 100 kids.
- Brevard Nature Alliance workshop on ecotourism, invited speaker, overview of the IRL and Florida SEE, approx. 50 people.
- Florida SEE quarterly meetings in Brevard - 3 meetings, approx. 35 each.
- MRC Brown Bag Lunch, Biodiversity in IRL, 19 people.
- Guest lecturer mitigation and restoration graduate class, Florida Tech, 12 students.
- Guest lecture, resource management graduate class, Florida Tech, 20 students.
- Departmental graduate seminar Division of Marine and Environmental Systems, Florida Tech, Seagrass status and IRL Health, 85 people.
- MRC brown bag lunch, seagrass status, 15 people.
- IRL Scenic byways meeting, seagrass status, 30 people.
- (7) Viera High school, Ecological importance of the IRL, stormwater and pollution prevention in IRL, 200 students (10 classes).
- Brown Bag Lunch, MRC, invasive species, 10 people.

28 Events:

- Get Outdoors Sebastian event – 50 people.
- Event for Pelican Island Friends group fundraiser, table at Doubletree Hotel, Indialantic , attended by about 300 people, spoke with about 140.
- IRL Day event, attended by approximately 600 people.
- Wonder of Water Night at Ocean Breeze Elementary school, 500 kids.
- Garden Fest Vero Beach attended by approximately 10k people, spoke with about 400 and gave short talk to about 30.
- Sykes Creek Adventure event, attended by approx. 300 people.
- Green Living Fest, Brevard County, 150 people
- Grant Seafood Festival , attended by approx. 60,000 people, spoke with approx. 400 over 2 days.
- Ecofest at ELC, 1000 people, spoke with about 250.
- Pelican Island Festival attended by approx. 10k people, talked with approx. 250.

- Field trip, West Shore Jr/Sr High, 120 kids over 3 days – beach to lagoon walk with conc on guided maritime hammock walk.
- Goby Fest, 300 people, talked to 75.
- Bark in the Bay, dog park event for pet waste awareness, attended by about 50, spoke with about 225.
- Girl Scout environmental badge day, 40 kids, 10 adults
- Day of the Dolphin Festival, Viera, 250 people, spoke with about 70.
- Earth day, Sebastian, 600 people, spoke with about 250.
- Melbourne Arts Festival, 2 days, 60,000 people, spoke with about 300 kids, 200 adults.
- Waterfest Palm Bay 500 people, talked to 250.
- (2) Field trips with W. Melbourne School for Science and Stevenson Elementary – approx. 150 kids, water quality monitoring.
- Barrier Island Center, Melbourne Beach, Anniversary event, 200 people , spoke with about 75.
- Waterfest at Kiwanis Park in Cocoa, 300 people, spoke with about 100.
- Teacher immersion program, Indian River County schools, IRL overview and land use changes, 40 teachers.
- Teacher Open House, Brevard Zoo, 400 teachers, spoke with 250.
- Brevard secondary science conference, 300 high school teachers, spoke with approx. 75.
- Florida outdoor writers assoc. annual meeting, 80 people, spoke with about 30.
- National Estuaries Day, Smithsonian, Ft. Pierce, attended by about 800 people, talked to about 200.
- IRL Regional Envirothon, 250 people.

1 Conferences:

- 2012 National NERR conference, St. Augustine; panelist with Troy Rice on how NEPs work among constituent groups and community non-profits.

4 Trainings:

- Evaluating Stormwater Outreach webinar training – Watershed Education Foundation
- NOAA training, collaborative learning at Rookery Bay NERR, Naples, FL 2 days.
- Sea Grant Oyster Restoration workshop, 1-day, Ft. Pierce
- IRLNEP 4-day teachers' workshop, 42 teachers.

1 Research:

- Co-PI with Dr. Denise Delorme and Dr. Linda Walters, of UCF on Florida Sea Grant grant to educate boaters to avoid critical habitat areas through the use of social marketing.