IRL COUNCIL
STEM ADVISORY COMMITTEE

This meeting is open to the public

November 12, 2024

1:30 PM – 4:30 PM

Historic Sebastian Elementary School, 1235 Main Street, Sebastian, FL 32958

Remote Access:
https://us02web.zoom.us/j/88961736788?pwd=m8iSIHEUw5eMaQ9Ieq1T0eqfbaNcJM.1

The order of items appearing on the agenda is subject to change during the meeting and is at the presiding officer's discretion. Anyone wishing to speak on any item is requested to complete a speaker's card.

1. **Call to Order and Pledge of Allegiance** (Chuck Jacoby, Chair)
2. **Introductions** (Chuck Jacoby, Chair)
3. **Agenda Revisions** (Chuck Jacoby, Chair)
   Note any known changes and inquire if any members have suggested revisions.
4. **Consent Agenda** (Chuck Jacoby, Chair)

   Minutes

   FY 2025

   a. Approve Minutes from the STEM meeting on August 20, 2024.
   b. Fiscal Year 2025 Budget Amendment
   c. Request for Qualification (RFQ) solicitations for Grant Writing

   Requested Action: Approve the consent agenda.
5. **Public Comment**
6. **Water Quality Reports**
   b. Northern IRL (Lauren Hall, SJRWMD)
   a. Southern IRL (Dr. Melanie Parker, SFWMD)
7. **Presentation**
   a. *Space Florida Wharf Study Update (TBA)*
   b. *NOAA Transformational Habitat Restoration Grant Award Update* (Duane De Freese, Kevin Walker)

8. **Old Business**

   None

9. **New Business**

   2025 IRL Council Meeting Calendar (Erin Bergman) **2025 Calendar**

   Requested Action: Motion to recommend the IRL Council Board of Directors approve the 2025 IRL Council Meeting Calendar.

10. **IRLNEP Staff Reports**

    a. Community Engagement Update (Kathy Hill)
    b. Information Technology and Data Science Update (KJ Ayres-Guerra)
    c. IRL Project Update (Kathy Hill)
    d. Executive Director Report (Duane De Freese) **Exe Dir Activities**

11. **Final Comments (Committee, Staff, Public)**

12. **Next Meeting** (Chuck Jacoby)

    Tentative: Tuesday, February 11, 2025, at 1:30 p.m.

    Historic Sebastian Elementary School, 1235 Main Street, Sebastian, FL 32958

13. **Adjourn**

NOTE: If a person decides to appeal any decision made by the Board with respect to any matter considered at such meeting or hearing, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. Section 286.0105, Florida Statutes (2014).

Pursuant to the provisions of the Americans with Disabilities Act, any person requiring special accommodations to participate in this workshop/meeting is asked to advise the agency at least 48 hours before the workshop/meeting by contacting: Erin Bergman at (314) 347-5854. If you are hearing or speech impaired, please contact the agency using the Florida Relay Service at 1(800) 955-8771 (TDD) or 1(800) 955-8770 (Voice). For more information, you may contact: Erin Bergman, IRL Council, 1235 Main St, Sebastian, FL 32958, (314) 347-5854, or by email at bergman@irlcouncil.org .

IRL COUNCIL
STEM ADVISORY COMMITTEE

Minutes from the meeting of

August 20, 2024

1:30 PM

Historic Sebastian Elementary School, 1235 Main Street, Sebastian, FL 32958

Remote Access:
https://us02web.zoom.us/j/88961736788?pwd=m8iSIHEUw5eMaQ9Ieq1T0eqfbaNcJM.1

In-person Attendance: Aaron Adams, Kyle Bartow, Erin Cartmill, Olivia Escandell, TJ Fridrich, Lauren Hall, Chuck Jacoby, Elizabeth Kelly, Dan Macchiarella, Dale McGinnis, Valarie Paul, Loraé Simpson, Wendy Swindell, Derek Tremain, Linda Walters

Online Attendance: J. Cho, David Cox, Hannah Herrero, Lisa Krimsky, Emily Ralston, Mitch Roffer, Leesa Souto, Chad Truxall, Jennifer White, Kelly Young

In-person Guests: Virginia Barker, Thomas Heller, Paul Sacks, Stacy Cecil, Laura Wilson, Lauren Kleiman

Online Guests: Maegan Wettlaufer, Lori Morris, Malcolm McFarland, Trey Hannah, Jennifer DiMaio

1. **Call to Order and Pledge of Allegiance** (Chuck Jacoby, Chair)

   Dr. Jacoby called the meeting to order at 1:30 p.m. and led the Pledge of Allegiance.

2. **Introductions** (Chuck Jacoby, Chair)

   Dr. Jacoby led the group in introductions.

3. **Agenda Revisions** (Chuck Jacoby, Chair)

   No agenda revisions were brought forward.

4. **Consent Agenda**(Chuck Jacoby, Chair)

   a. Approve Minutes from the STEM meeting on May 7, 2024
   b. Independent Audit Report for FY 2023
   c. Fiscal Year 2024 Budget Amendment
   d. Fiscal Year 2025 Budget Amendment

   Requested Action: Motion to approve the Consent Agenda.

   MOTION WAS MADE BY DALE MCGINNIS TO APPROVE THE CONSENT AGENDA. MOTION WAS SECONDED BY LAUREN HALL. MOTION PASSED UNANIMOUSLY.

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5. Public Comment

None

6. Water Quality Reports

a. Northern and Central IRL (Lauren Hall, SJRWMD)

Ms. Hall reported that six continuous monitoring sondes at a 1.5-meter depth collect water data every hour. The water depth for the current reporting period is stable, and a fall rise is expected. Salinity is reported as good, with slight declines attributed to the rainfall from Hurricane Debby, which rebounded in a short time. The water temperature has remained normal, along with the dissolved oxygen level. Chlorophyll-a levels are below 10 RFU, and turbidity spikes in Mosquito Lagoon are due to Hurricane Debby. Fluorescent Dissolved Organic Matter (FDOM) changes occurred at the Vero sonde due to Hurricane Debby. Water clarity data shows improvement from May to July. Rainfall is consistent for the season. Seagrass comparison from 2021 to 2023 indicates an increase in hectares. The *Caulerpa* mapping focus area took place in northern IRL and the Banana River, which shows an increase of >15,000 hectares. Due to the importance of Caulerpa as a habitat now, the 2025 mapping will include *Caulerpa*. Ms. Hall has noted that the 2024 mapping has been completed and that dense seagrass beds are located in Mosquito Lagoon and the Banana River north of the 528 causeway. Fort Pierce and Jupiter have an increase of *Syringodium filiforme* and *Thalassia testudinum.* A video of the dense seagrass meadow south of Big Flounder Creek was shown. The extended period of water clarity has helped the seagrass.

b. Southern IRL (Dr. Melanie Parker, SFWMD)

Dr. Parker reported the data presented is through August 11th, and weekly averages cover August 5-11th. The greatest freshwater inflow has occurred from the tidal basin and the C-23/C-24 basins, but there has been no inflow from Lake Okeechobee. The salinity for the most recent 7-day period fell into the damaging range for oysters at the HR1 bottom and lower stressful ranges on the surface. The US1 Bridge site was in the lower stressful range. The salinity at the A1A bridge remained in the optimal range. All sites are showing an increase in salinity. The average water temperature for the most recent week is at the threshold of temperatures that are more stressful for oysters. Juvenile oyster (spat) recruitment rates have shown a peak in May and June; a July decrease is normal for late summer, and another peak is expected during the fall months.

7. Presentation

What is the Florida Flood Hub?

Dr. Chuck Jacoby, the Strategic Program Director, presented an overview of the Florida Flood Hub, which is established by the state and hosted by the University of South Florida. The collaboration focuses on environmental challenges such as resilience and flood forecasting. Workgroups concentrate on Sea Level Rise, Rainfall, and Comprehensive Modeling. The information aims to enhance knowledge among scientists, policymakers, practitioners, and the public

8. Old Business

None

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9. New Business

a. NOAA Transformational Habitat Restoration Grant Award (Dan Kolodny)

Dr. Duane De Freese announced that the formal award letter is in hand. The ten project partners will comprise a community of restoration practice across fifteen sites. The monitoring and data-sharing plans are being developed. Mr. Dan Kolodny reported that meetings with NOAA are underway; the Orientation meeting will take place next week. The grant includes funding IDEAS to produce videos of each restoration site. The Balmoral Group will complete an economic study with separate reports for each county.

Requested Action: Motion to recommend that the IRL Council Board of Directors accept the IRLNEP Management Conference recommendation to authorize staff to enter into a contract agreement with NOAA and administer all aspects of the 3-year NOAA project (FY 2024 – 2027), including issuing 10 sub-award contracts.

MOTION WAS MADE BY WENDY SWINDELL TO RECOMMEND THAT THE IRL COUNCIL BOARD OF DIRECTORS ACCEPT THE IRLNEP MANAGEMENT CONFERENCE RECOMMENDATION TO AUTHORIZE STAFF TO ENTER INTO A CONTRACT AGREEMENT WITH NOAA AND ADMINISTER ALL ASPECTS OF THE 3-YEAR NOAA PROJECT (FY 2024 – 2027), INCLUDING ISSUING 10 SUB-AWARD CONTRACTS. MOTION WAS SECONDED BY DALE MCGINNIS. MOTION PASSED. THE FOLLOWING DECLARED CONFLICTS AND RECUSED THEMSELVES: OLIVIA ESCANDELL, LAUREN HALL, ERIN CARTMILL, J. CHO, KYLE BARTON, LINDA WALTERS, WENDY SWINDELL, LORAÉ SIMPSON. RECUSAL FORMS WERE SIGNED AND FILED.

b. Fiscal Year 2026 Request for Proposals (RFPs) (Daniel Kolodny

Mr. Kolodny outlined the changes in Water Quality, Habitat Restoration, Community-Based Restoration, Science and Innovation and Small Grants categories. Mr. Kolodny thanked the Priority Community Taskforce for the work done on developing the Priority Communities RFP and summarized the RFP structure, which included a 2-step process of submitting a letter of intent before being invited for a full proposal.

Requested Action: Motion to recommend that the IRL Council Board of Directors accept the IRLNEP Management Conference recommendation to authorize staff to develop and release RFPs for FY 2026, review and rank proposals and return to the Management Conference for funding approval.

MOTION WAS MADE BY VALERIE PAUL TO RECOMMEND THAT THE IRL COUNCIL BOARD OF DIRECTORS ACCEPT THE IRLNEP MANAGEMENT CONFERENCE RECOMMENDATION TO AUTHORIZE STAFF TO DEVELOP AND RELEASE RFPS FOR FY 2026, REVIEW AND RANK PROPOSALS AND RETURN TO THE MANAGEMENT CONFERENCE FOR FUNDING APPROVAL. MOTION WAS SECONDED BY LINDA WALTERS. MOTION PASSED UNANIMOUSLY.

c. Fiscal Year 2025 Legislative Priorities (Duane De Freese)

Dr. De Freese outlined the legislative goals at the federal and state levels. Dr. De Freese requested that local governments and other organizations having legislative budget requests concerning funding for IRL-related projects should touch base with him to ensure he can provide proper information and support.

Requested Action: Motion to recommend that the IRL Council Board of Directors accept the IRLNEP Management Conference recommendation to review and adopt IRL Council Legislative

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Priorities for 2025 and to authorize the Executive Director to represent the IRL Council in legislative policy discussions and appropriations.

MOTION WAS MADE BY LORAÉ SIMPSON TO RECOMMEND THAT THE IRL COUNCIL BOARD OF DIRECTORS ACCEPT THE IRLNEP MANAGEMENT CONFERENCE RECOMMENDATION TO REVIEW AND ADOPT IRL COUNCIL LEGISLATIVE PRIORITIES FOR 2025 AND TO AUTHORIZE THE EXECUTIVE DIRECTOR TO REPRESENT THE IRL COUNCIL IN LEGISLATIVE POLICY DISCUSSIONS AND APPROPRIATIONS. MOTION WAS SECONDED BY LAUREN HALL. MOTION PASSED UNANIMOUSLY.

10. IRLNEP Staff Reports

a. Community Engagement Update (Kathy Hill)

Ms. Kathy Hill reviewed the metrics for Facebook and Instagram social platforms, noting the top-performing posts. A partnership with Saville Visuals, a local Florida photographer, created an educational reel on seagrass and one on monitoring efforts. Both videos were shared across accounts and garnered positive attention. The Community Engagement Coordinators continue interacting with stakeholders across the watershed in numerous ways, even through the summer heat.

b. Information Technology and Data Science Update (KJ Ayres-Guerra)

Ms. KJ Ayres-Guerra reported on the recent projects. These included a NOAA Monitoring Plan and Data Sharing Plan, updating the functionality of the Master Project Map 2.0, mapping Linear Park in St. Lucie County, and creating a Disadvantage Community Map for the Statewide Shoreline Restoration Plan Steering Committee. Ms. Ayres-Guerra announced the completion of the ADA Accessible Documents course.

c. IRL Project Update (Daniel Kolodny)

Mr. Daniel Kolodny announced that 47 projects were in progress for the third quarter, seven of which were completed. This included the City of Stuart: *Illinois Avenue Living Shoreline Project,* Bethune Cookman University: *IRL Seagrass Restoration using a Mosquito Control Impoundment,* the City of Sebastian Small Grant: *Tulip Pond Habitat Restoration,* the Brevard Zoo Small Grant *Lagoon Quest,* the Indian River County Small Grant: *Jone's Pier 2023 Student Field Guide Development,* the Marine Discovery Center Small Grant: *Project Plankton,* and the University of Central Florida Small Grant: *Virtual Reality Program for engaging Coastal Restoration Volunteers.*

d. Executive Director Report (Duane De Freese)

Dr. Duane De Freese discussed the 2025 expectations for the IRLNEP, which will be the 10th Anniversary of the reorganized IRL Council. The packet included a summary of Executive Director activities. Dr. De Freese outlined the shift in the workload of the IRLNEP staff with respect to the NOAA grant. The staff will participate in National Estuaries Week this month, the RAE Coastal & Estuarine Summit in October and the Annual NEP Tech Transfer in November.

11. Final Comments (Committee, Staff, Public)

Dale McGinnis, Eastern Florida State College, stated that an update on the Aquarium project is needed.

Oliva Escandell, Brevard Zoo, responded that fund-raising efforts are ongoing, and construction will start with the goal of opening in 2027.

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Duane De Freese, IRL Council, added The Brevard Zoo and the Florida Institute of Technology entered an agreement titled CARE, Consortia of Aquarium Research and Education.

Mitch Roffer, Marine Biologist, requested feedback from the public relating to the Port Expansion and the effects on the IRL.

12. Next Meeting

Tuesday, November 12, 2024, at 1:30 p.m.
Historic Sebastian Elementary School, 1235 Main Street, Sebastian, FL 32958

13. Adjourn

The meeting was adjourned at 3:43 p.m.

NOTE: If a person decides to appeal any decision made by the Board with respect to any matter considered at such meeting or hearing, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. Section 286.0105, Florida Statutes (2014).

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Agenda Return

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RESOLUTION NO. 2024-07

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE IRL COUNCIL AMENDING THE FINAL BUDGET FOR THE 2025 FISCAL YEAR

WHEREAS, the IRL Council was created via Interlocal Agreement to carry out the goals of the Indian River Lagoon National Estuary Program; and

WHEREAS, the IRL Council previously amended the Final Budget for Fiscal Year 2025 on August 23, 2024; and

WHEREAS, the IRL Council finds it necessary and essential to amend the Budget for the 2025 Fiscal Year as set forth in this Resolution; and

WHEREAS, adoption of the 2025 Fiscal Year budget amendments set forth in this Resolution serves a valid public purpose.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE IRL COUNCIL, THAT:

Section 1. The above recitals are ratified and incorporated into this resolution.

Section 2. The funds and available resources and revenues that are set out in Exhibit "A" and incorporated herein by reference, are appropriated to provide the monies to be used to pay the necessary operating and other expenses of the IRL Council.

Section 3. Except as amended in Exhibit "A" the remainder of the Budget for the 2025 Fiscal Year remains in full force and effect.

Section 4. This Resolution shall become effective immediately upon passage.

DONE at_____, Florida, this_____day of_____,2024.

By: _____
Jeff Brower, IRL Council Chair

ATTEST:

_____
Stacey Hetherington, IRL Council Secretary

Approved as to legal form and sufficiency:

_____
Glen J. Torcivia
IRL Council, Legal Counsel

IRL Council
FY 2025 Amended Budget
Exhibit A

REVENUES	
Federal Section 320	$ 850,000
Federal Infrastructure Investment and Jobs Law	$ 909,800
NOAA Transformational Habitat Restoration	$5,266,116
IRL License Plate	$ 125,000
Member Contributions	$1,500,000
TOTAL REVENUES	$8,650,916
EXPENDITURES	
Other Expenditures	$7,895,556
IRL Council Strategic Program, IRLNEP 2025 EPA 320 Work Plan, IRLNEP 2025 Infrastructure Work Plan, IRLNEP 2025 NOAA Transformational Habitat Restoration Grant Award, Unplanned Contingency Reserve	
Salaries & Benefits	$ 623,047
Facilities Expenses	$ 38,000
Rent, Utilities, Equipment Maintenance, Communications	
Administrative Costs	$ 84,883
Postage, Office Supplies, Insurance, Printing, Travel, Licenses & Subscriptions, Dues, Professional Development	
Administrative Services	$ 126,800
Legal, Accounting, Auditing, IT Services, Legal Ads	
TOTAL EXPENDITURES	$8,716,261
Agency Balance Beginning of Year	$ 0
Fund Balance - Beginning of Year	$1,006,940
Fund Balance – End of Year	$ 941,595

FY 2025 Final Budget	Approved 8/23/24	**FY 2025 Final Budget**	Pending	Higher / Lower	(Notes)
REVENUES		**REVENUES**			
Federal EPA 320	$ 850,000	Federal EPA 320	$ 850,000		
IRL License Plate	$ 125,000	IRL License Plate	$ 125,000		
Member Contributions	$1,500,000	Member Contributions	$1,500,000		
NOAA Transformational Habitat	$5,266,116	NOAA Transformational Habitat	$5,266,116		
Federal Infrastructure	$ 909,800	Federal Infrastructure	$ 909,800		
TOTAL REVENUES	$8,650,916	TOTAL REVENUES	$8,650,916		
EXPENDITURES		**EXPENDITURES**			
Other Expenditures	$7,809,442	Other Expenditures	$7,895,556	$86,114	(1)
IRL Council Strategic Program, IRLNEP FY2025 EPA 320 Work Plan, IRLNEP FY2025 EPA Infrastructure Work Plan, IRLNEP 2025 NOAA Transformational Habitat Restoration Grant Award Unplanned Contingency Reserve		IRL Council Strategic Program, IRLNEP FY2025 EPA 320 Work Plan, IRLNEP FY2025 EPA Infrastructure Work Plan, IRLNEP 2025 NOAA Transformational Habitat Restoration Grant Award Unplanned Contingency Reserve			
Salaries & Benefits	$ 594,777	Salaries & Benefits	$ 623,047	$28,270	(2)
Facilities Expenses	$ 38,000	Facilities Expenses	$ 38,000		
Rent, Utilities, Equipment Maintenance, Communications		Rent, Utilities, Equipment Maintenance, Communications			
Administrative Costs	$ 84,000	Administrative Costs	$ 84,883	$883	(3)
Postage, Office Supplies, Insurance, Printing, Travel, Licenses & Subscriptions, Dues, Professional Development		Postage, Office Supplies, Insurance, Printing, Travel, Licenses & Subscriptions, Dues, Professional Development			
Administrative Services	$ 123,800	Administrative Services	$ 126,800	$3,000	(4)
Legal, Accounting, Auditing, IT Services, Legal Ads		Legal, Accounting, Auditing, IT Services, Legal Ads			
TOTAL EXPENDITURES	$ 8,597,994	TOTAL EXPENDITURES	$ 8,716,261	$118,267	(5)
Agency Balance Beginning of Year	$ 0	Agency Balance Beginning of Year	$ 0		
Fund Balance Beginning of Year	$ 1,006,940	Fund Balance Beginning of Year	$ 1,006,940		
Fund Balance – End of Year	$ 1,059,862	Fund Balance – End of Year	$ 941,595	$118,267	(6)

FY 2025 Amended Budget Expenditure Detail (Narrative)

(1) Increase "Other Expenditures" by $86,114 from $7,809,442 to $7,895,556. This increase represents the addition of two (2) line items to the IRL Strategic Program and the reduction of the Unplanned Contingency Reserve. "Other Expenditures now includes the following:

1. IRL Council NOAA Transformational Habitat Year 1 Workplan: $5,214,091 (no change)
2. IRL Council 2025 Strategic Program - $869,640 (increase of $101,114)
    a. Water Quality Restoration Projects - $350,000 (no change)
    b. Habitat Restoration Projects - $167,840 (no change)
    c. Community-Based Restoration Projects - $198,474 (no change)
    d. Small Grants Program - $25,000 (no change)
    e. IRLNEP Technical Support of Conferences and Workshops - $25,000 (no change
    f. Additional funding to fully Fund the Science and Innovation sediment project to FIT - $2,212 (no change)
    g. Diversity of Thought Inc Consulting Contract Final Year - $49,000 (increase of $49,000)
    h. USF Water Quality Evaluation and Technical Support for IRL Year 2 of 3 - $52,114 (increase of $52,114)
3. IRLNEP FY2025 EPA Workplan - $850,000 (no change)
4. IRLNEP FY2025 FEDERAL INFRASTRUCTURE INVESTMENT AND JOBS LAW Workplan - $909,800 (no change)
5. Unplanned Contingency Reserve - $0 (reduction of $15,000)

(2) Increase "Salaries and Benefits" by $28,270 from $594,777 to $623,047. This increase reflects adjustments due to workload increase from the NOAA Transformational Habitat Grant Award.

(3) Increase "Administrative Costs" by $883 from $84,000 to $84,883. This increase represents the difference from the estimated cost of insurance coverage to the actual cost received in the renewal binder.

(4) Increase "Administrative Services" by $3,000 from $123,800 to $126,800. This increase represents the negotiated rate for Accounting Services over the renewed 5-year term.

(5) Increase "TOTAL EXPENDITURES" by $118,267 from $8,597,994 to $8,716,261. This increase is reflected in the sum of all the changes made in items 1 thru 4 above.

(6) Decrease "Fund Balance End of Year" by $118,267 from $1,059,862 to $941,595. This decrease represents the anticipated end of year Fund Balance should all Fiscal Year 2025 budgeted revenues be received, and all budgeted expenditures be completed at their fully budgeted amounts.

2025 Meeting Calendar

January

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February

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July

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August

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September

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December

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Board of Directors
Meetings are held on Fridays at
Sebastian City Hall from 9:30 am - 12:30 pm

Friday, February 14, 2025
Friday, May 9, 2025
Friday, August 22, 2025
Friday, November 14, 2025

Citizens' Advisory Committee
Meetings are held on Thursdays at
Historic Sebastian Elementary School at 1:00 pm

Thursday, February 13, 2025
Thursday, May 1, 2025
Thursday, August 21, 2025
Thursday, November 13, 2025

STEM, Management Board and Financial Subcommittee
Meetings are held on Tuesdays at
Historic Sebastian Elementary School

Tuesday, February 11, 2025
Tuesday, May 6, 2025
Thursday, August 21, 2025
Tuesday, November 11, 2025

Financial Sub Committee 9:00 am
Management Board 10:15 am
STEM Advisory Committee 1:30 pm

Agenda Return

ewb 9/25/24

Executive Director Report
Activity Summary - Implementing the IRL CCMP
November 2024 Management Conference and Board of Director's Meetings

Team IRLNEP – Major Program Deliverables at end of year

- $9.4 million NOAA Habitat Restoration and Coastal resilience grant award
- Completion of State of the Lagoon (DRAFT by Applied Ecology, Inc.; In IRLNEP staff technical review)
- Development of final draft One Lagoon Habitat Restoration Plan (D. De Freese)
- Completion of Environmental Resources Permitting Flow Chart (V. Carpenter)
- Completion of IRL Federal and State Laws Summary (V. Carpenter)
- Leadership for proposal development of a regional coastal resilience project with the Southeast and Caribbean Disaster Resilience Partnership (not funded)
- 5-year Renewal IRL Council Interlocal Agreement
- $50,000 private donation restricted to benefit fishing in Mosquito Lagoon
- Expanded IRLNEP social media presence including 20 subject matter podcasts

DeFreese CCMP Implementation Activities 4th Quarter

State and Federal Leadership Activities.

- Association of National Estuary Programs Board member, Chair Government Affairs Committee and member of Executive Committee
- Southeast and Caribbean Disaster Recovery Partnership, Chair Advisory Board and Florida Representative
- Southeast Coastal Ocean Observing Regional Association, Board of Directors
- Florida Ocean Alliance, Board member
- Florida Estuaries Alliance, IRLNEP representative

Water Quality and Habitat Restoration

- NOAA proposal revisions and technical support to partners (IRLNEP team effort).
- Florida HAB Task Force quarterly meetings
- Monthly intergovernmental IRL HAB condition Zoom calls
- Editorial review support for manuscripts submitted to a special Frontiers in Marine Science research topic "Science Supporting Management of Eutrophication: Lessons Learned from a Barrier Island Lagoon"

Science/Technical Support to Stakeholders

- Space Florida – Wharf study Environmental Focused Working Group.
- East Central Florida Regional Planning Council – Military Installation Resilience Review study MIRR
- U.S. Fish and Wildlife Service - Meeting with federal partners about the MIRR
- Brevard Zoo Aquarium Project meetings and workshops
- Space Coast EDC advisory support of regional wastewater treatment plant to serve central Brevard and KSC complex
- Industry inquiries (numerous including: Jacobs, iSENSYS, Unabara Hydrographics, Ultratech International, Ocean Space Sensors, Pinnacle Ozone, Moleaer Inc. Nano-Bubbles, and others)
- Technical review comments on scientific manuscripts, numerous letters of support for stakeholder proposals, and responses to citizen/student inquiries
- Support for Fall 2024 meeting federal Southeast Natural Resources Leadership Group

Agenda Return