



Webinar Housekeeping

Indian River Lagoon (IRL) Basin Management Action Plans (BMAPs) Public Webinar

Attendee Participation

Open your control panel.

Join audio:

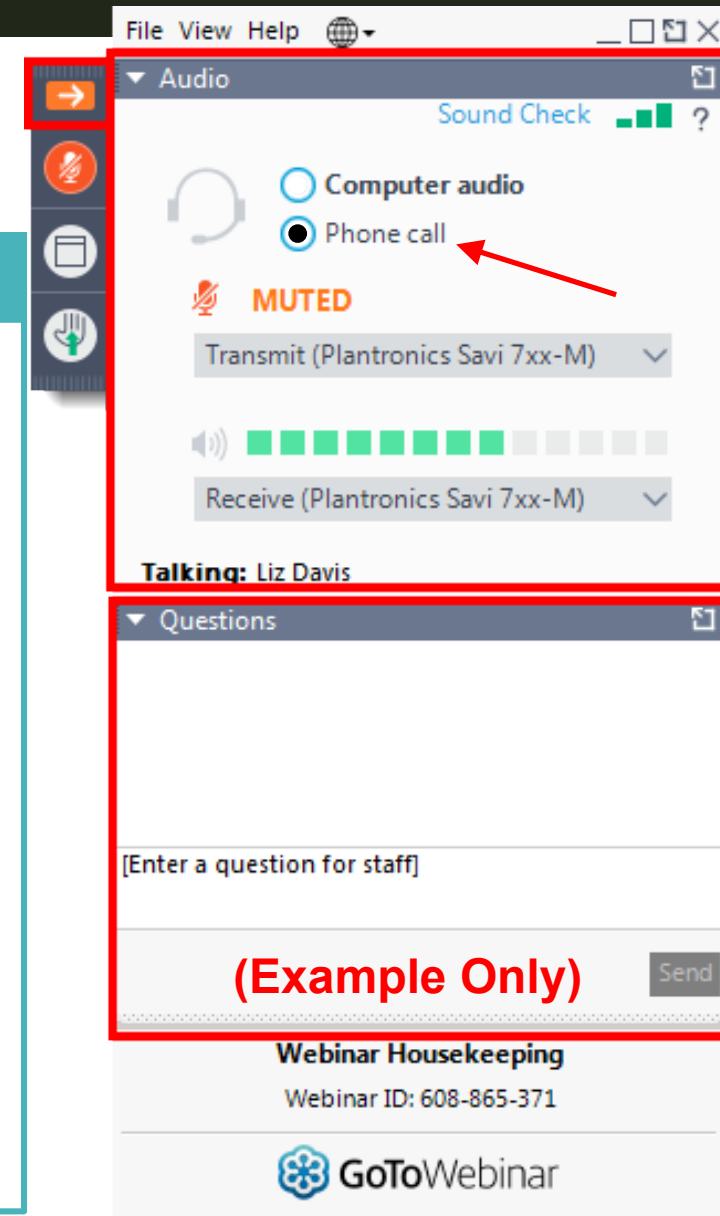
- Choose Computer Audio or
- Choose Phone Call and dial using the information provided with your registration

Attendee audio will automatically be muted.

Submit questions and comments via the **Questions** panel.

If viewing this webinar as a group, please provide a list of attendees via the **Questions** panel.

Note: Today's presentation is being recorded and will be provided on the ftp site after the webinar.





North Indian River Lagoon, Banana River Lagoon, and Central Indian River Lagoon Basin Management Action Plans (BMAPs) Public Webinar

November 13, 2020

Agenda



- Opening Remarks
- Seagrass Analysis Results
- Survey Feedback
- Allocations & Reductions
- Timeline and Milestones
- Updated BMAPs Report Outline
- Next Steps
- Questions, Comments, Discussion



2019 – 2020 Seagrass Compliance Assessment



General Seagrass Biology



Image Source: http://www.wetwebmedia.com/ca/volume_3/cav3i3/seagrasses/femaleflowerb.JPG

- *Life cycle in brackish/marine waters*
- *Rooted into the sediments*
- *Specialized stems (rhizomes)*
 - Seasonal hibernation
 - Dynamic conditions
- *Like underwater prairies*
 - Carbon sink
 - Nursery habitat
- *Sensitive to changes in light*
 - Salinity (how salty)



Data Collection – Aerial Surveys

- Approximately every 2-years
- Photographed maps show aerial extent of seagrass beds
- Conducted in seasonal window
 - Spring – Early Summer
- Ground Truthing of Photographs
 - Field Sampling Transects
 - During aerial surveys
 - Additional independent collection in season and off season

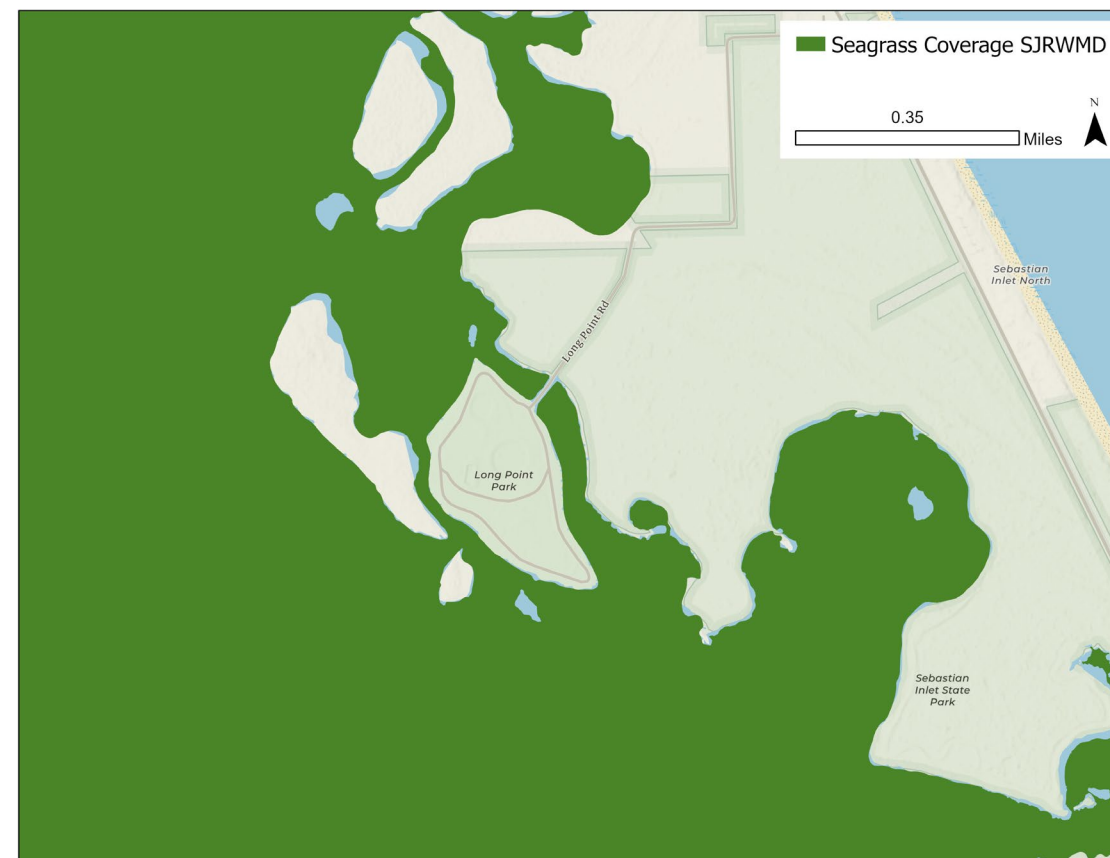


Photo Source: <https://www.bluesky-world.com/aerial-survey-overview>



Geographic Information System (GIS) Processing

1. Filter SAV codes for continuous or patchy seagrass





Geographic Information System (GIS) Processing

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 - a. Dissolve the habitat layer(s) into 1 polygon record





Geographic Information System (GIS) Processing

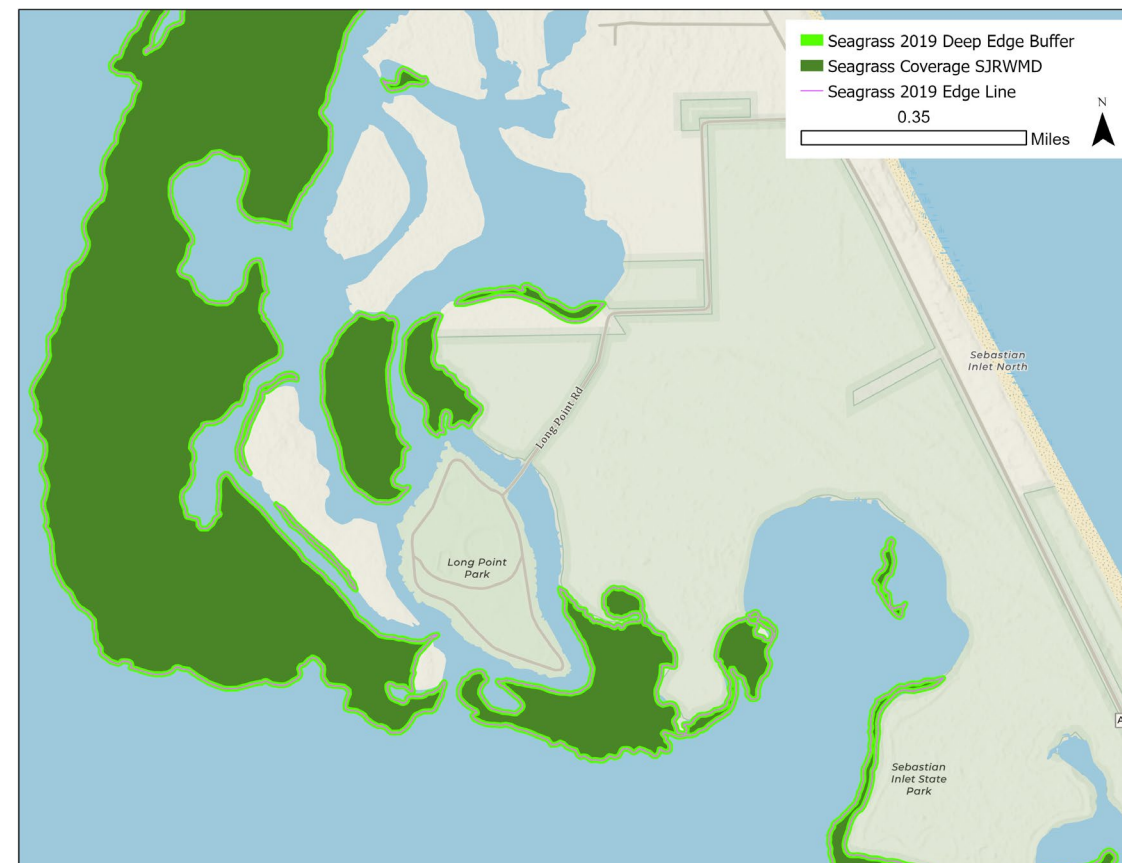
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2. Use the Polygon to Polyline tool to find edges





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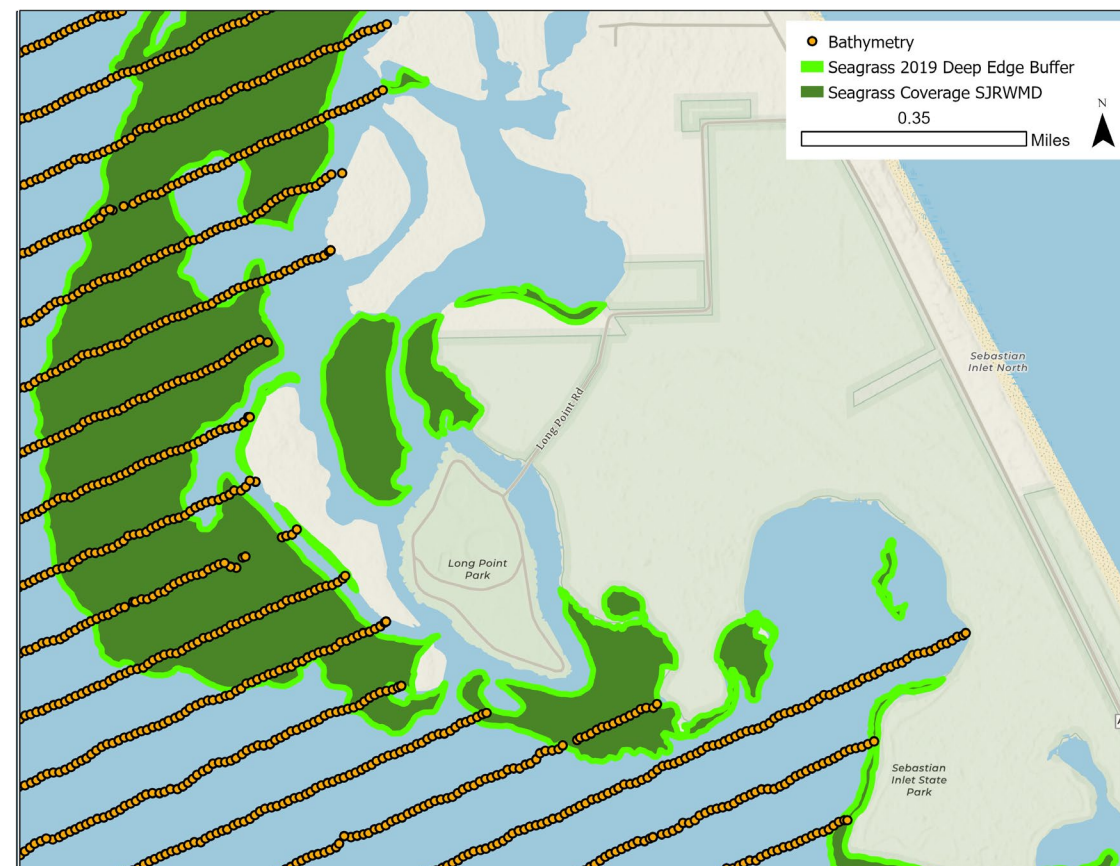
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3. Buffer at 7.5 m on both sides to best encompass relational bathymetry





Geographic Information System (GIS) Processing

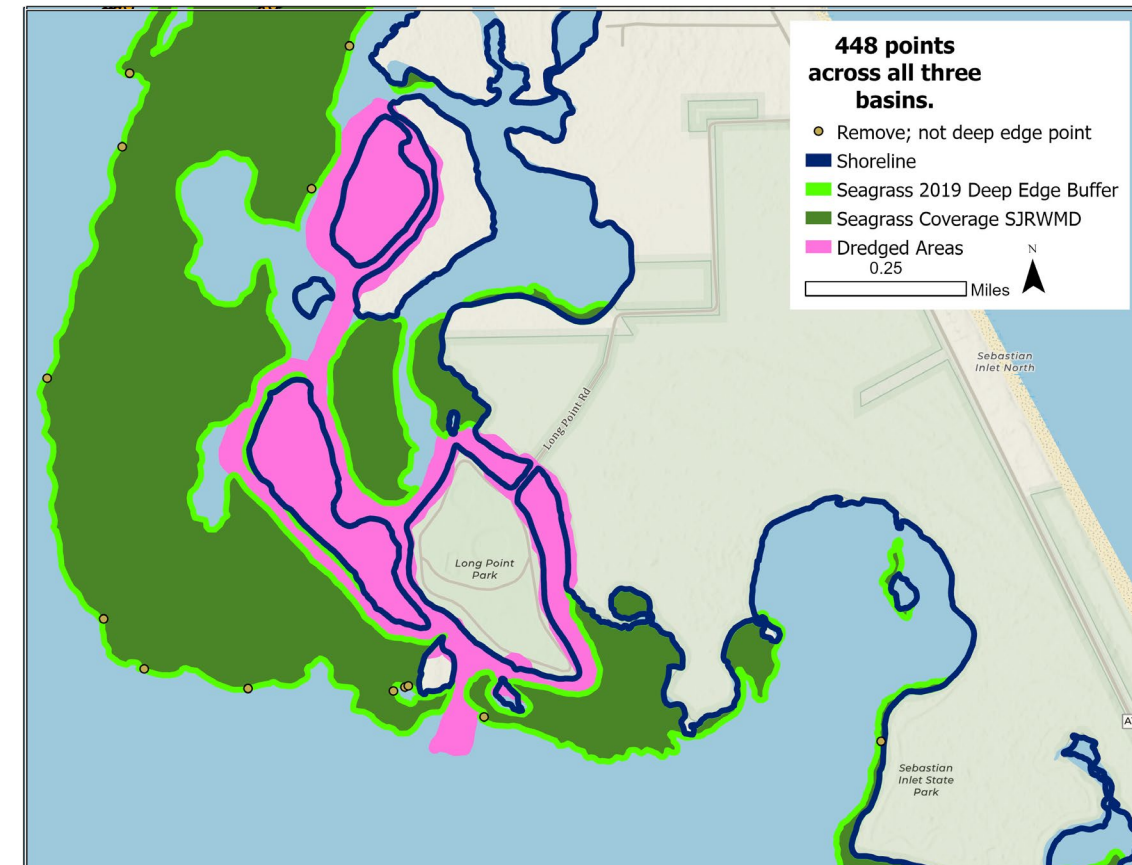
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4. Intersect with Project Zone Polygon and Bathymetry Points





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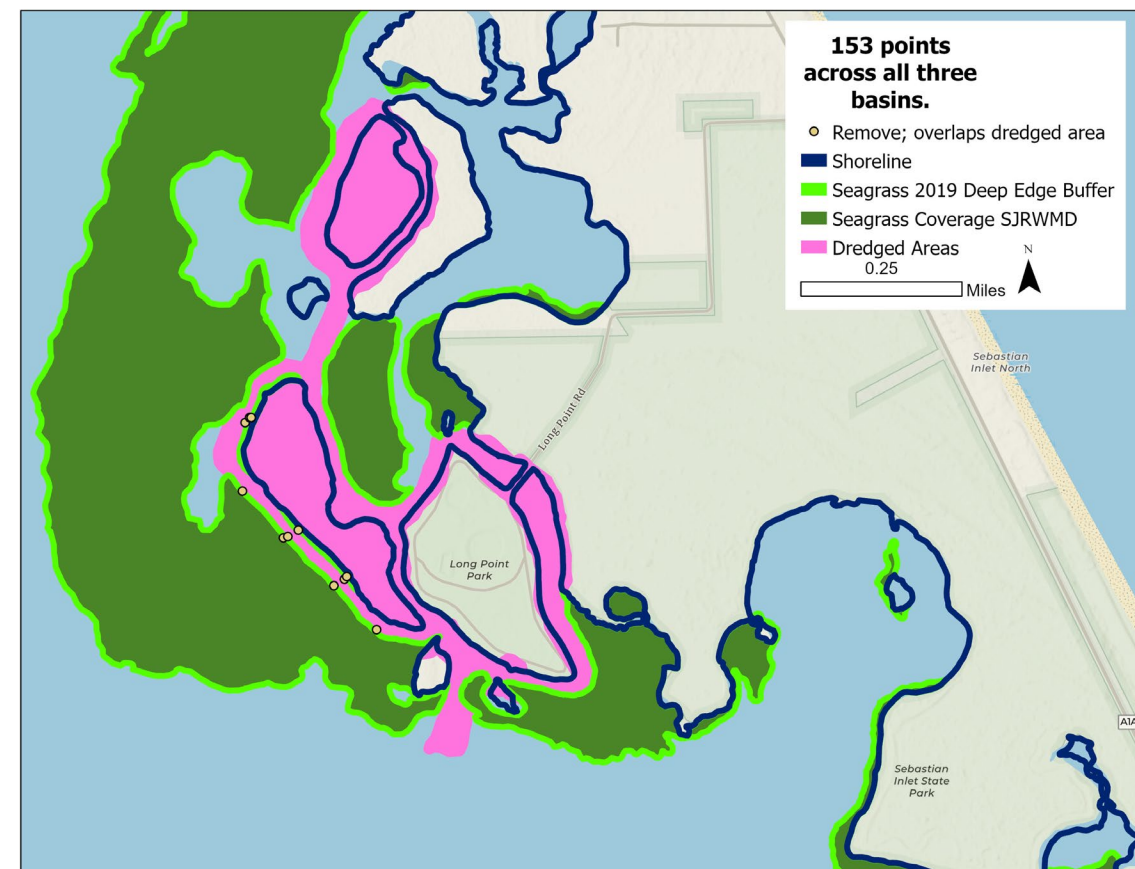
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5. Identify points that are not acceptable for use in assessment
 - a. Find overlapping points with the Near tool
 - b. Select depth points < 0.5 m and > 3.5 m





Geographic Information System (GIS) Processing

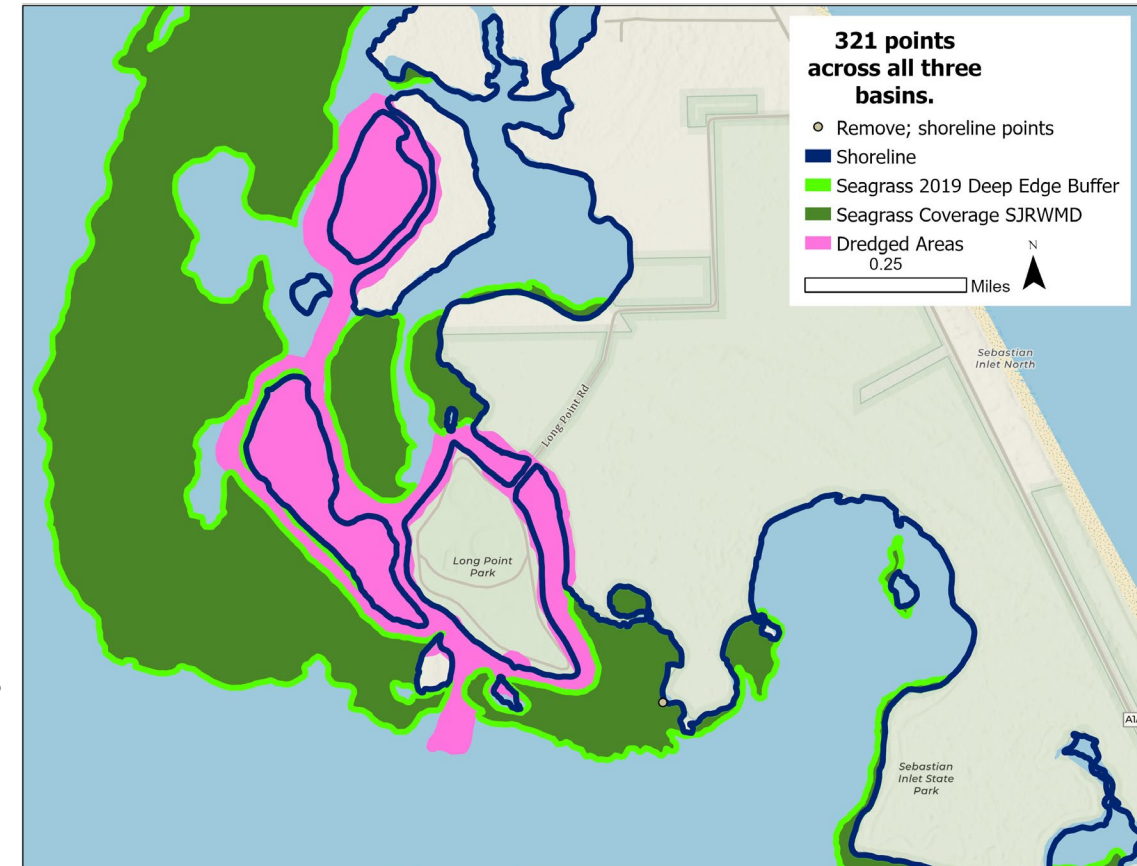
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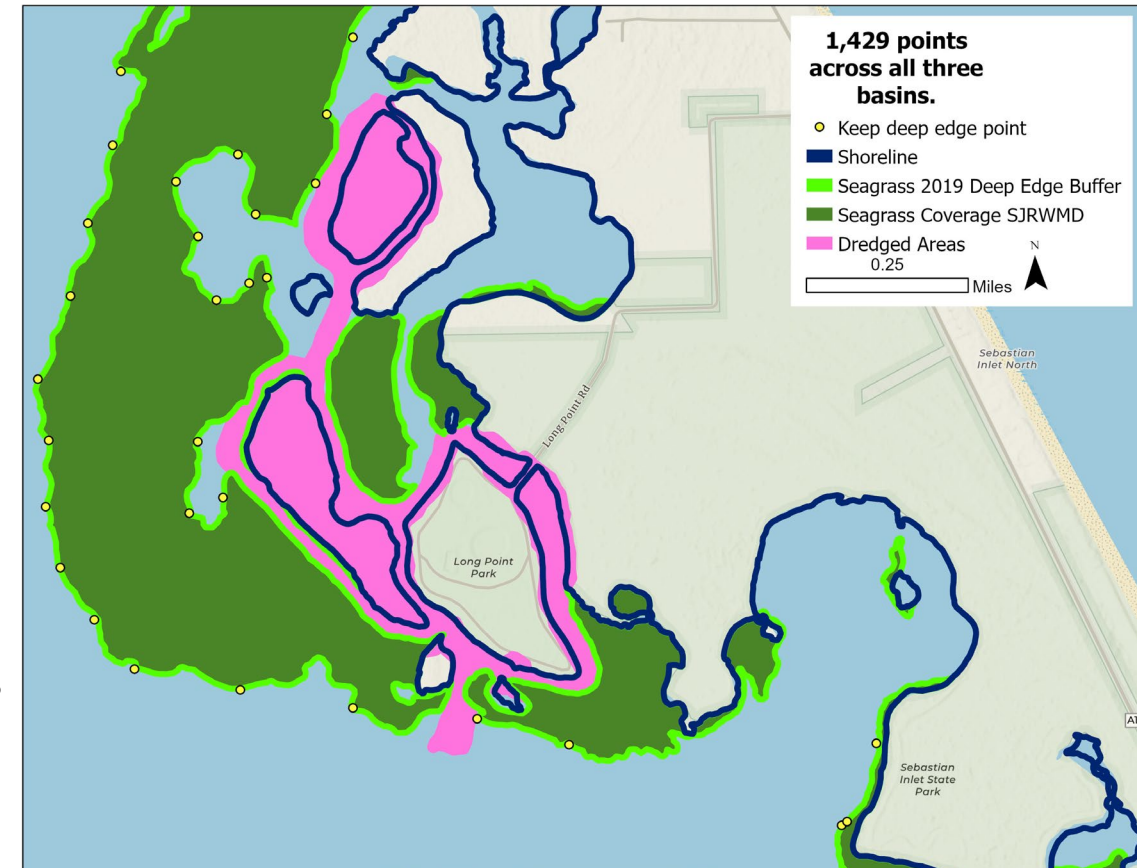
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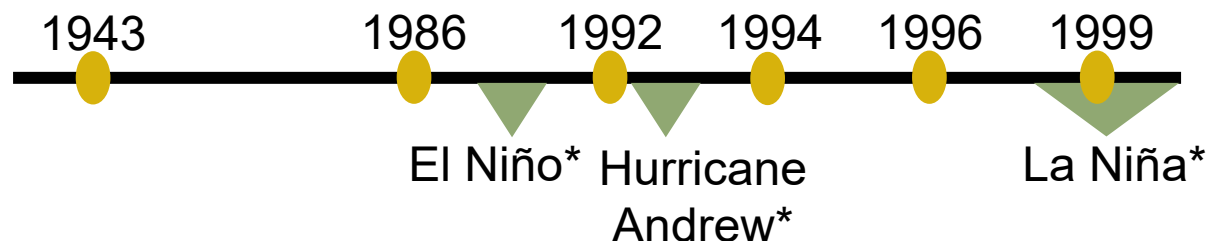
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 - d. Select by location where points overlap the shoreline
6. Manually review the remaining points to confirm that only those along the deep edge of the seagrass bed are included
 - a. Points in or around holes within a seagrass bed are excluded as non-deep edge points





Total Maximum Daily Load (TMDL) Targets – 2009

- Depth Targets based on coverage from:



- Focus on 90% of the seagrass recovery estimate
- 2-step evaluation process
 - If the project zone is compliant with both steps, the project zone is achieving the TMDL depth target



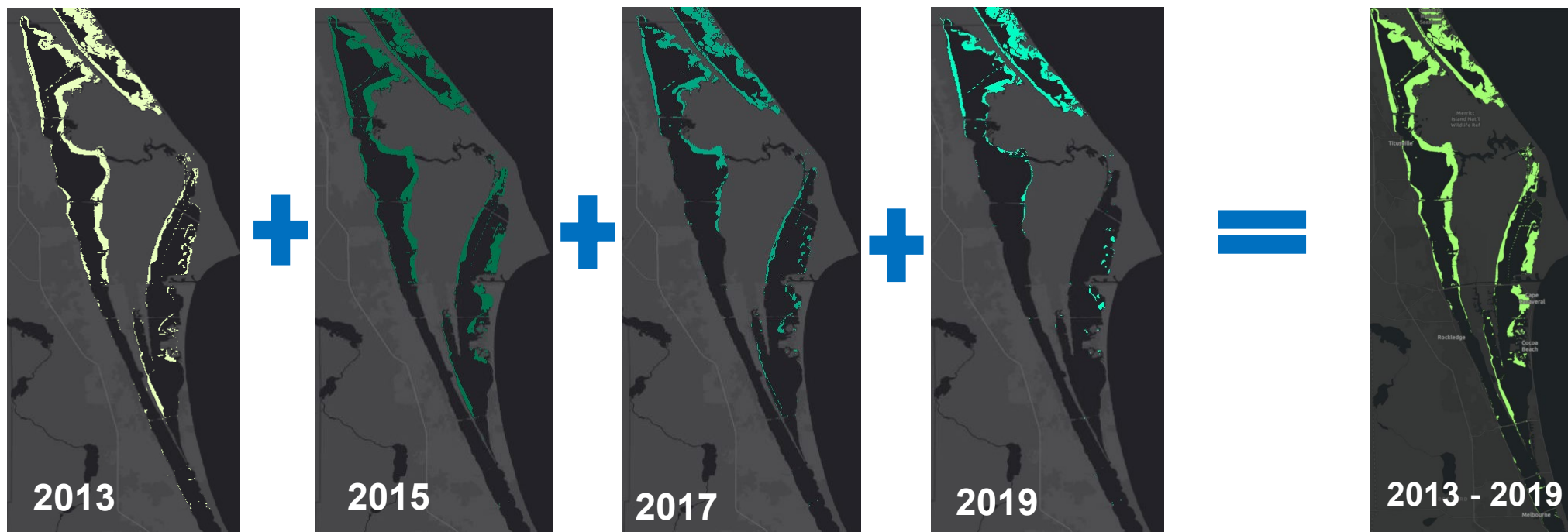
Image Source: https://onelagoon.net/wp-content/uploads/seagrass_v2.jpg



Step 1 of 2 for TMDL Compliance

Merge the 4 most current data sets and compare to the TMDL depth frequency distribution curve

- Compliance = 50% of the assessment curve, including the median must be on or to the right of the TMDL curve

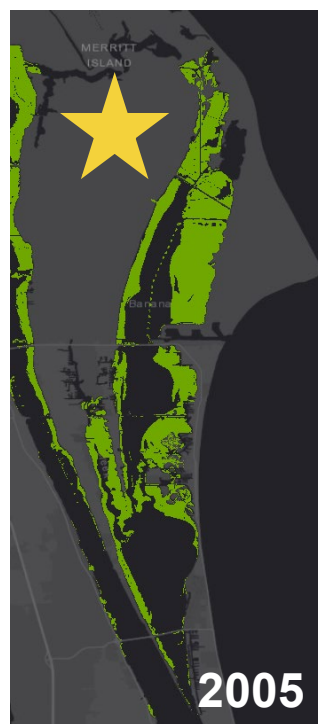




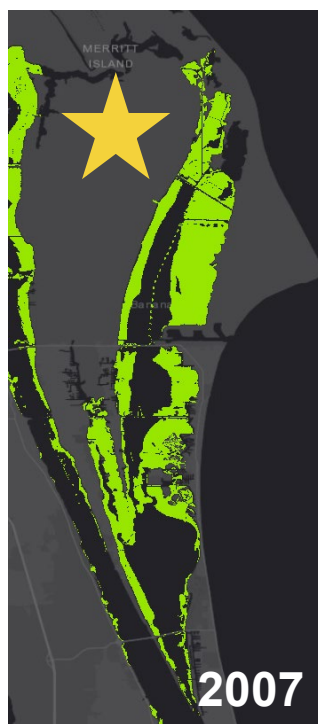
Step 2 of 2 for TMDL Compliance

Determine the median depth of the 4 most recent years individually and compare with the TMDL median

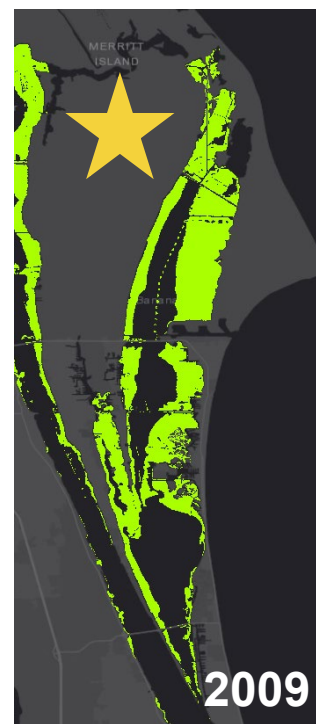
- a. Compliance = 3 of 4 years must be equal to or greater than the TMDL median



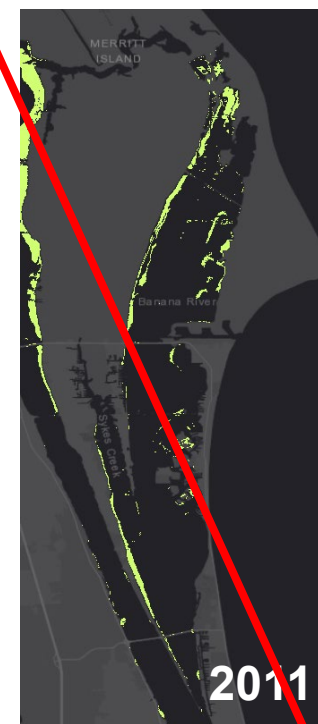
$\geq 1.58?$



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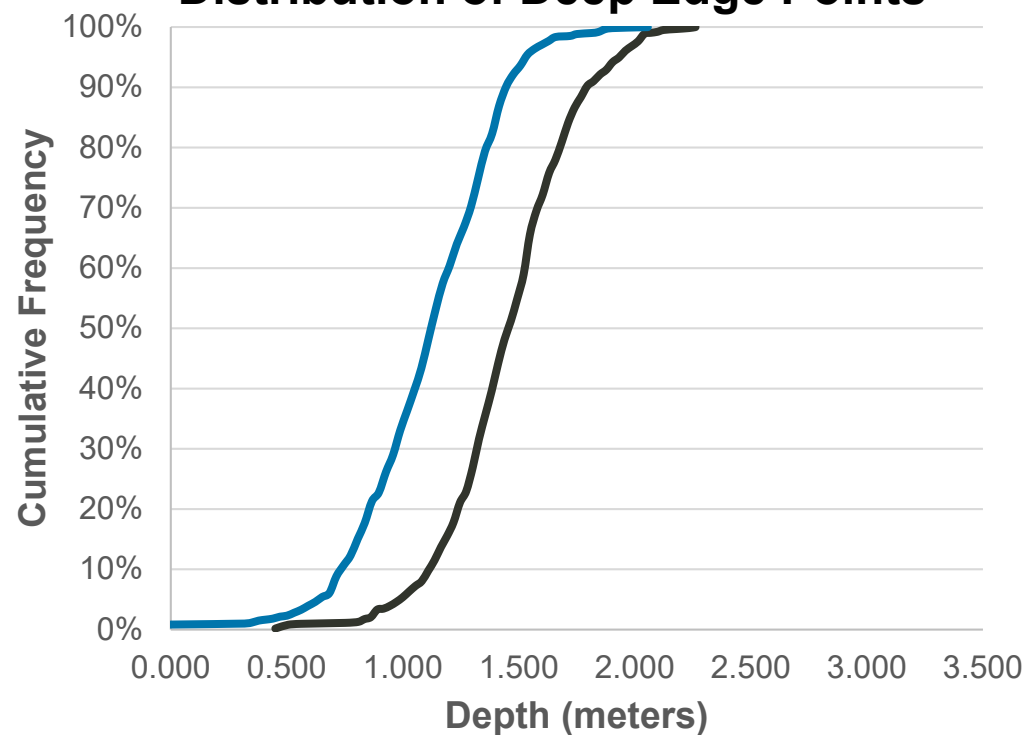
$\geq 1.58?$



North IRL Project Zone A

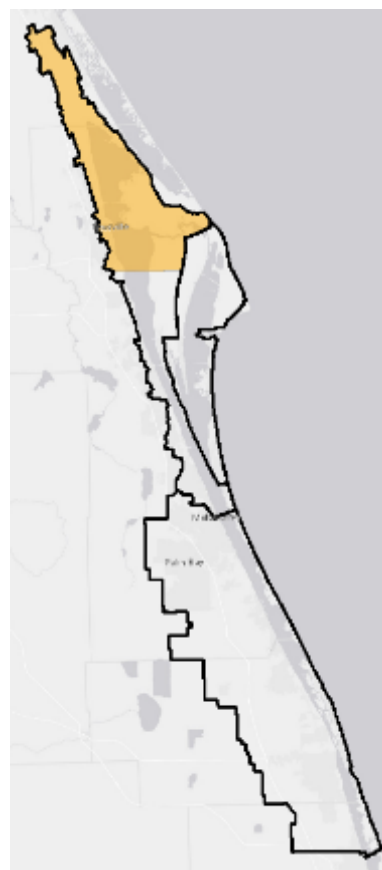
Step 1

2013 – 2019 Cumulative Frequency Distribution of Deep Edge Points



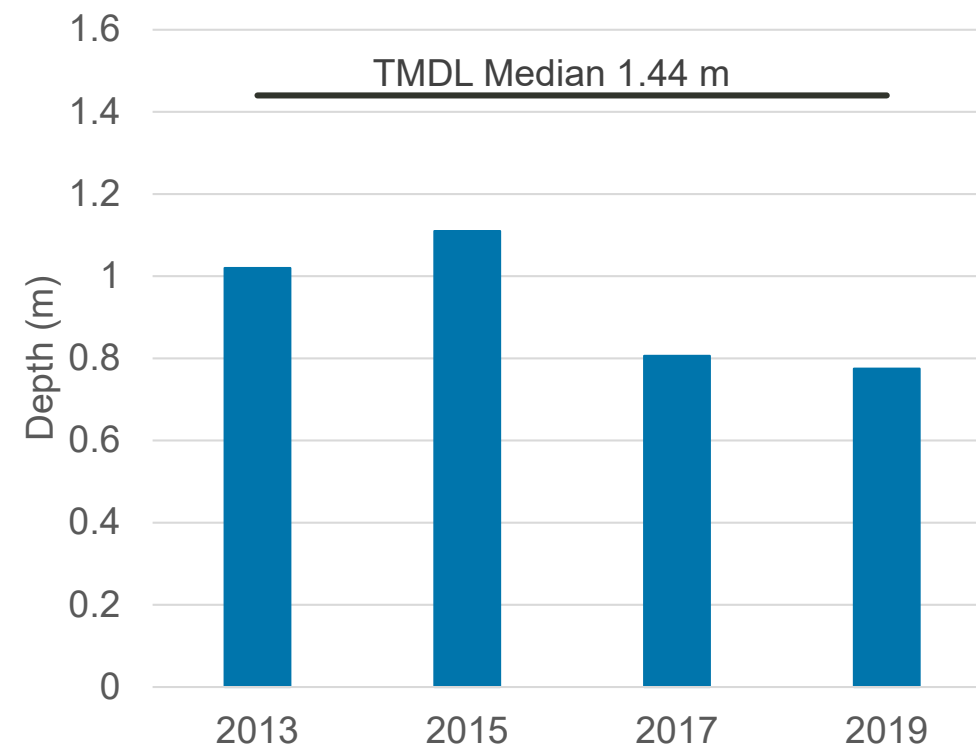
— TMDL Target — North A

Step 1: Non-Compliant



Step 2

2019 Median Deep Edge

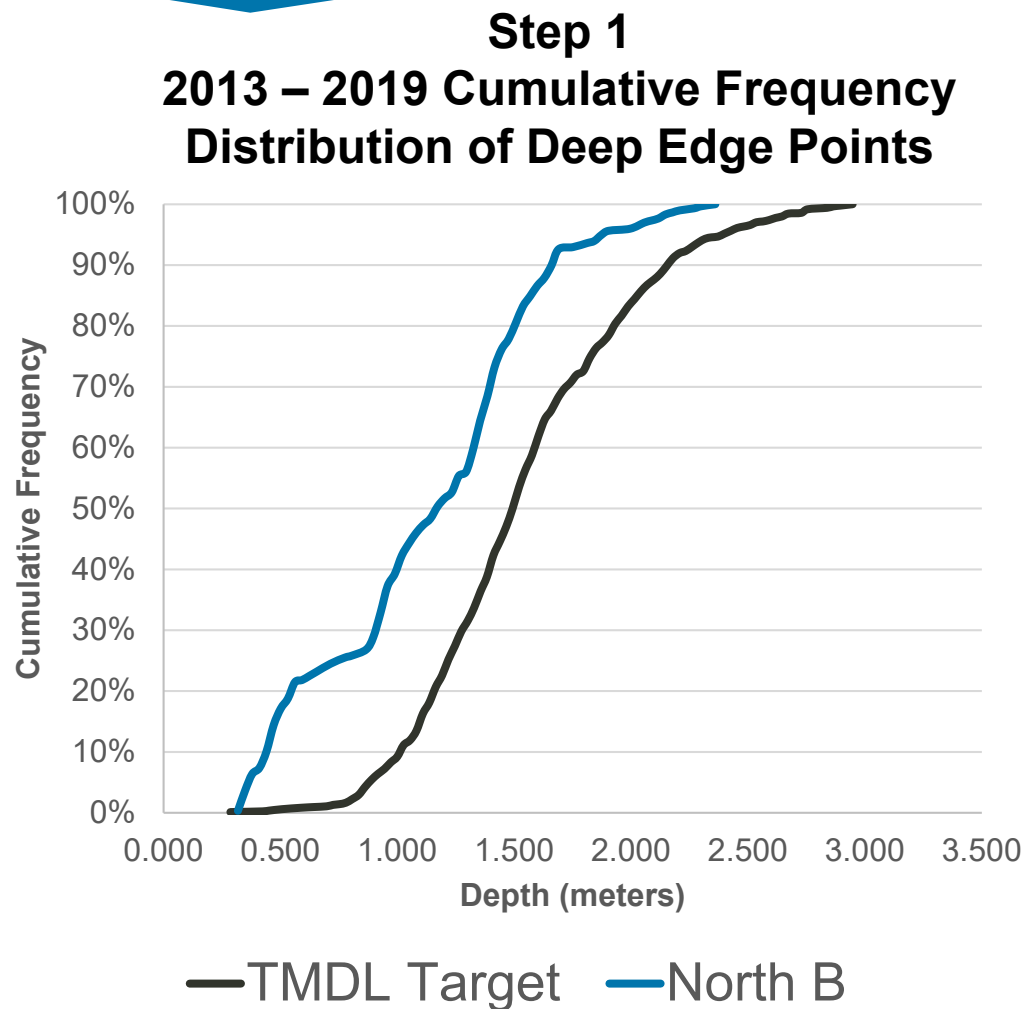


■ North A — TMDL

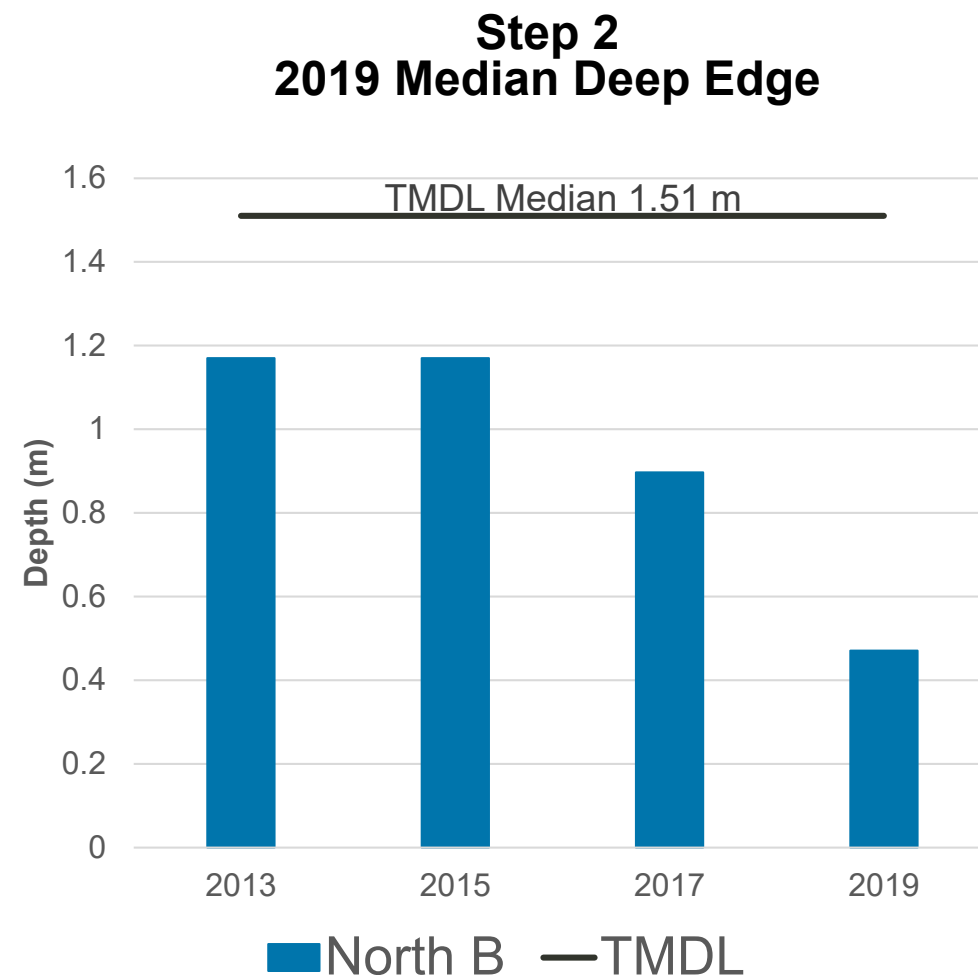
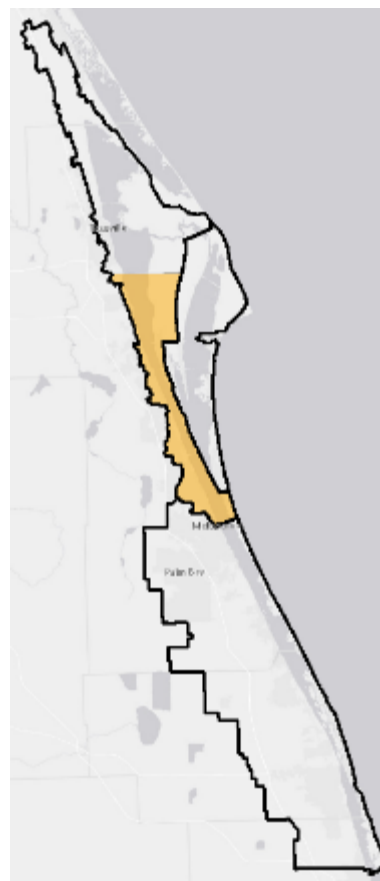
Step 2: Non-Compliant



North IRL Project Zone B



Step 1: Non-Compliant



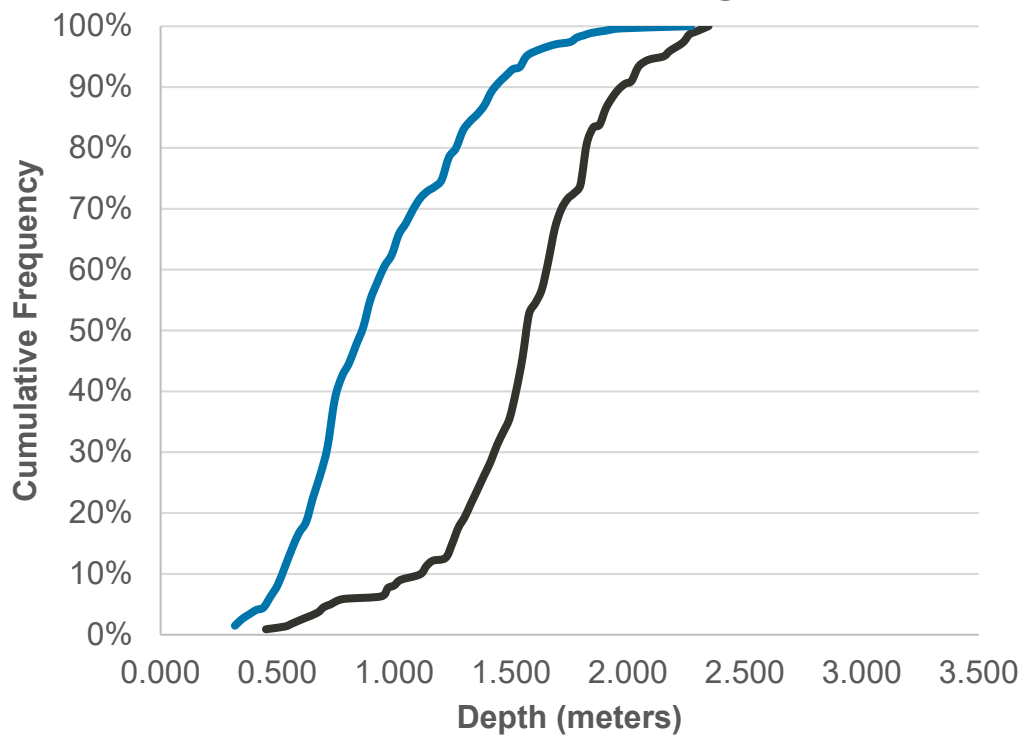
Step 2: Non-Compliant



Banana River Project Zone A

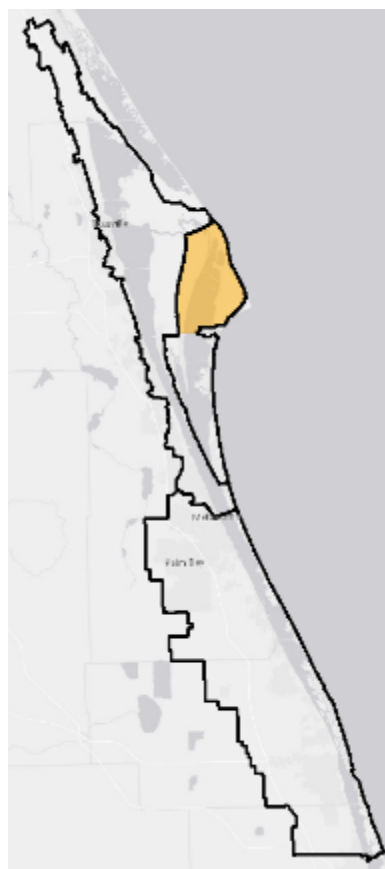
Step 1

2013 – 2019 Cumulative Frequency Distribution of Deep Edge Points



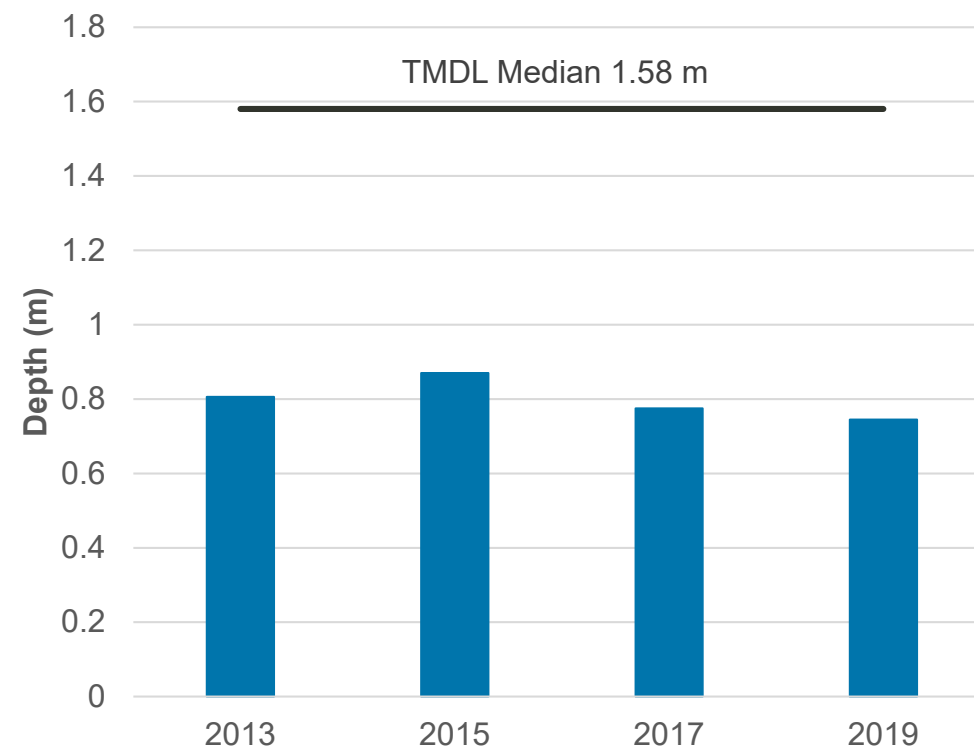
— TMDL Target — Banana A

Step 1: Non-Compliant



Step 2

2019 Median Deep Edge



■ Banana A — TMDL

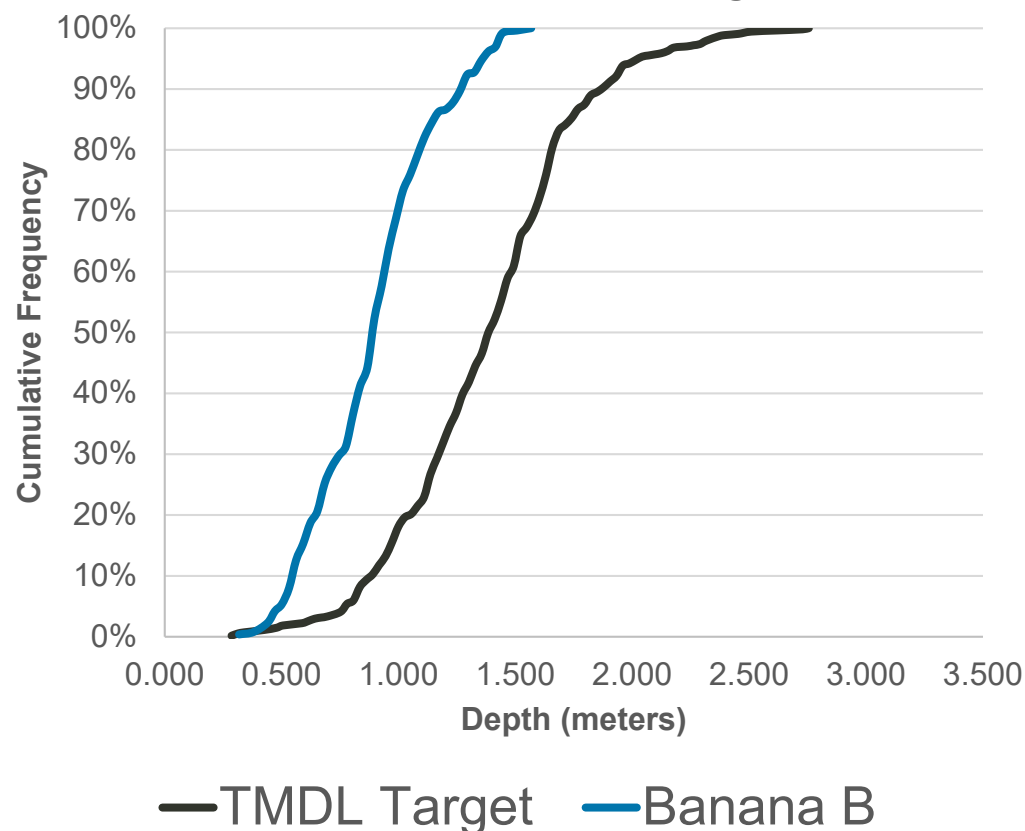
Step 2: Non-Compliant



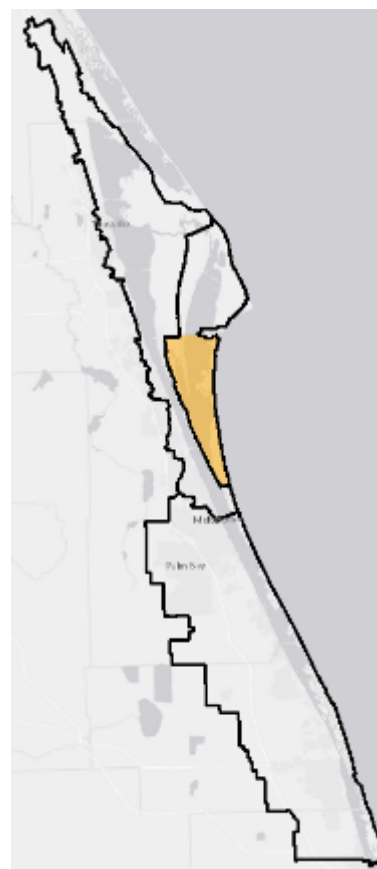
Banana River Project Zone B

Step 1

2013 – 2019 Cumulative Frequency Distribution of Deep Edge Points

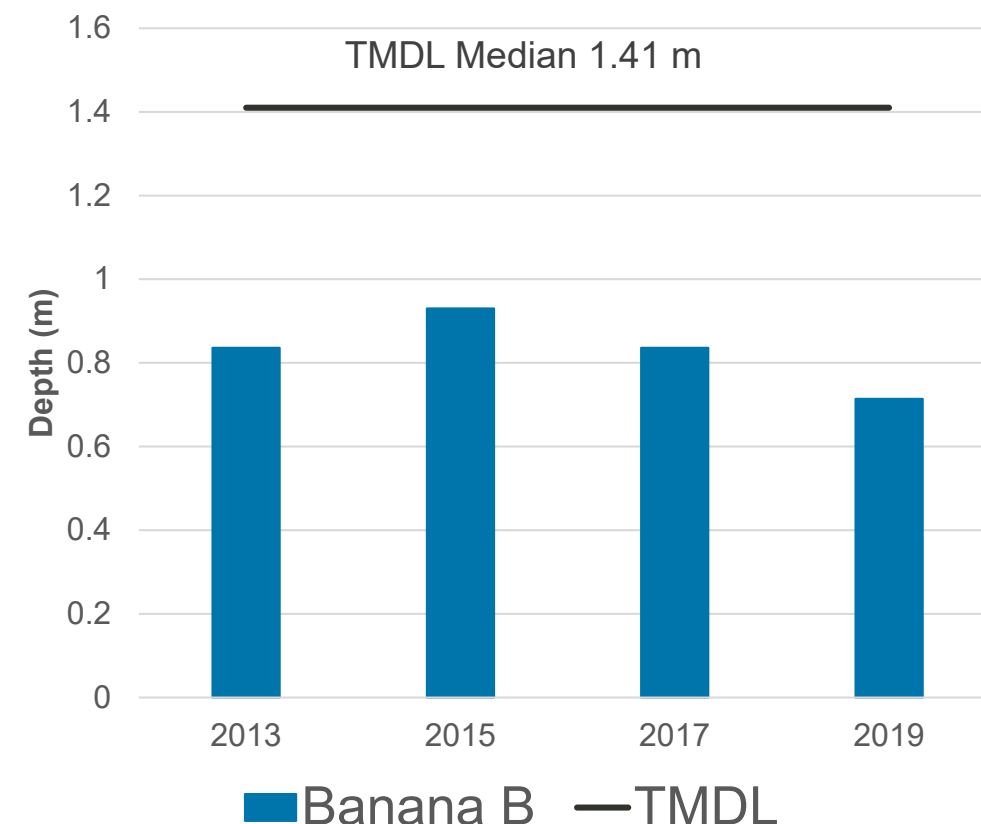


Step 1: Non-Compliant



Step 2

2019 Median Deep Edge



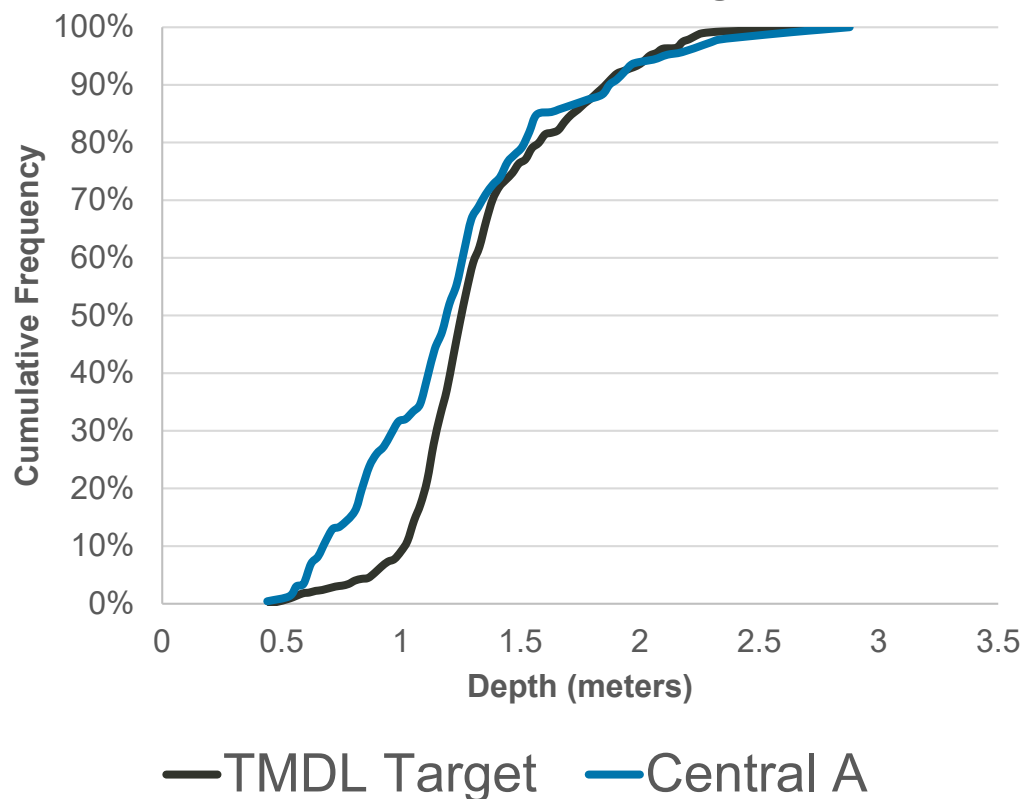
Step 2: Non-Compliant



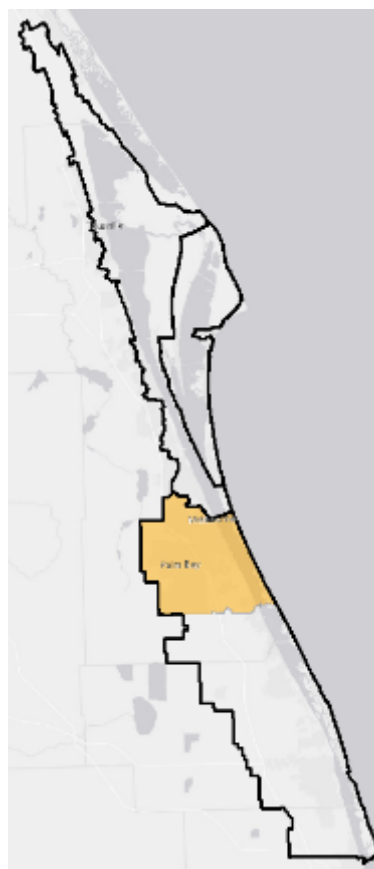
Central IRL Project Zone A

Step 1

2013 – 2019 Cumulative Frequency Distribution of Deep Edge Points

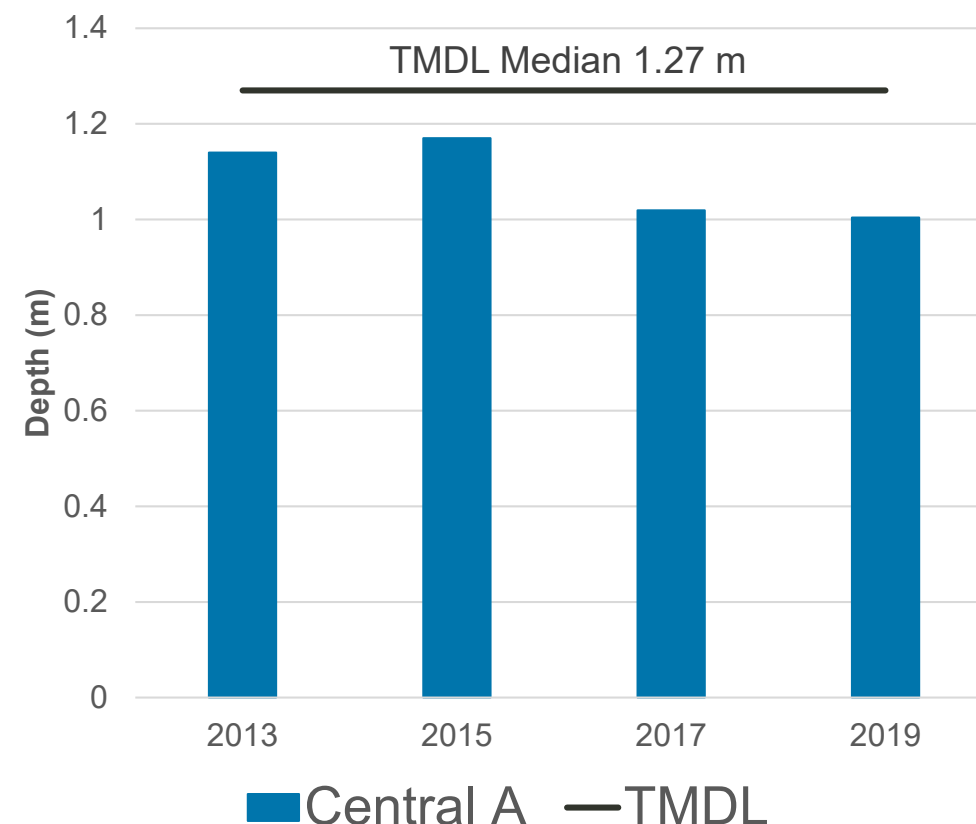


Step 1: Non-Compliant



Step 2

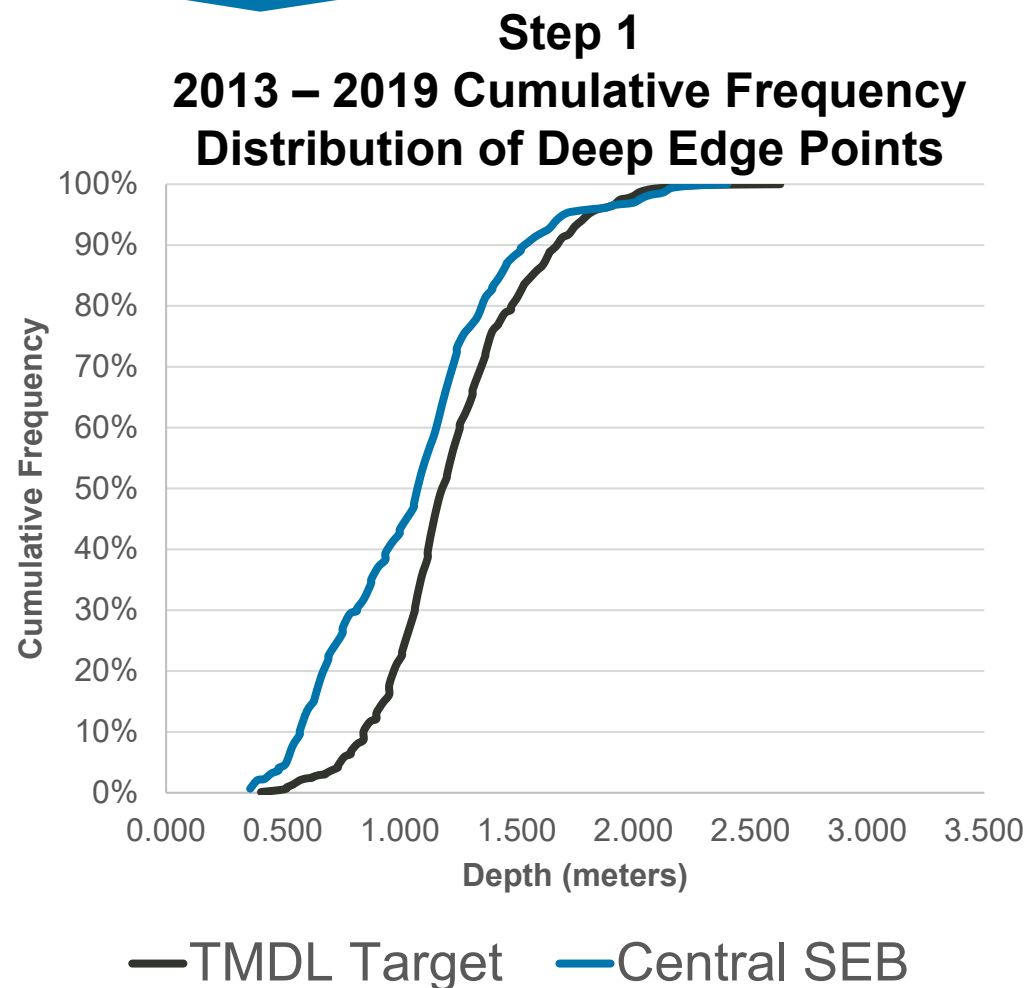
2019 Median Deep Edge



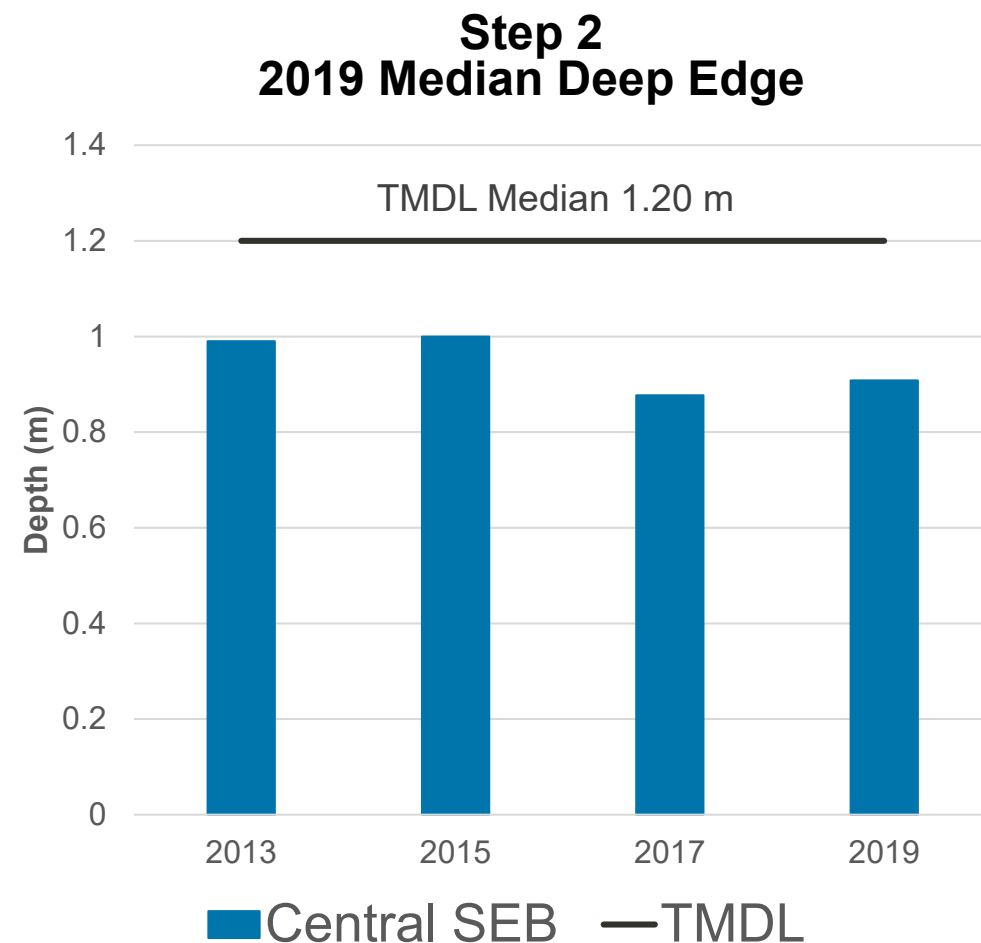
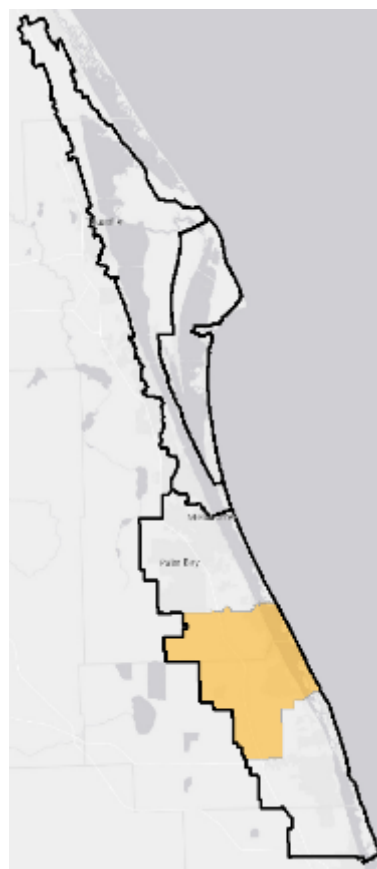
Step 2: Non-Compliant



Central IRL Project Zone SEB



Step 1: Non-Compliant



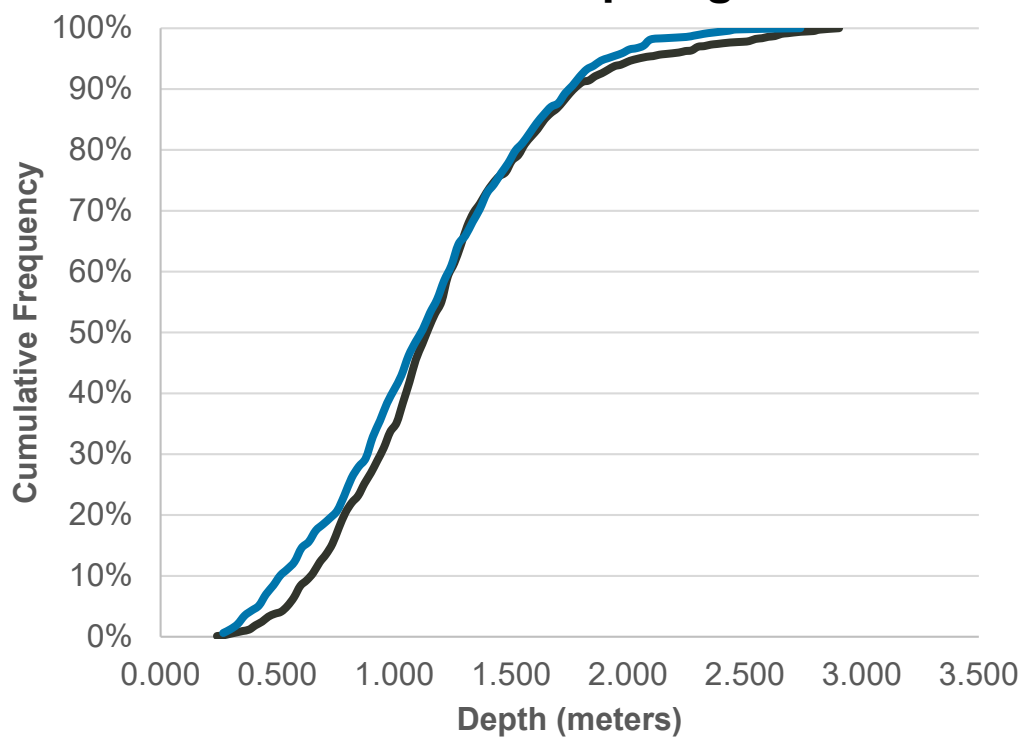
Step 2: Non-Compliant



Central IRL Project Zone B

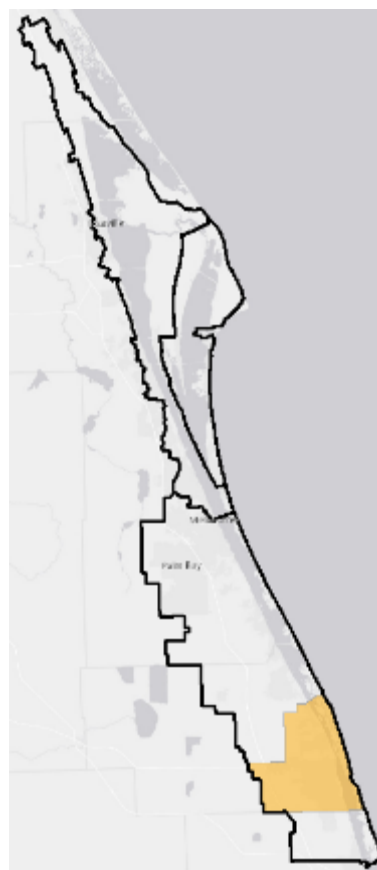
Step 1

2013 – 2019 Cumulative Frequency Distribution of Deep Edge Points



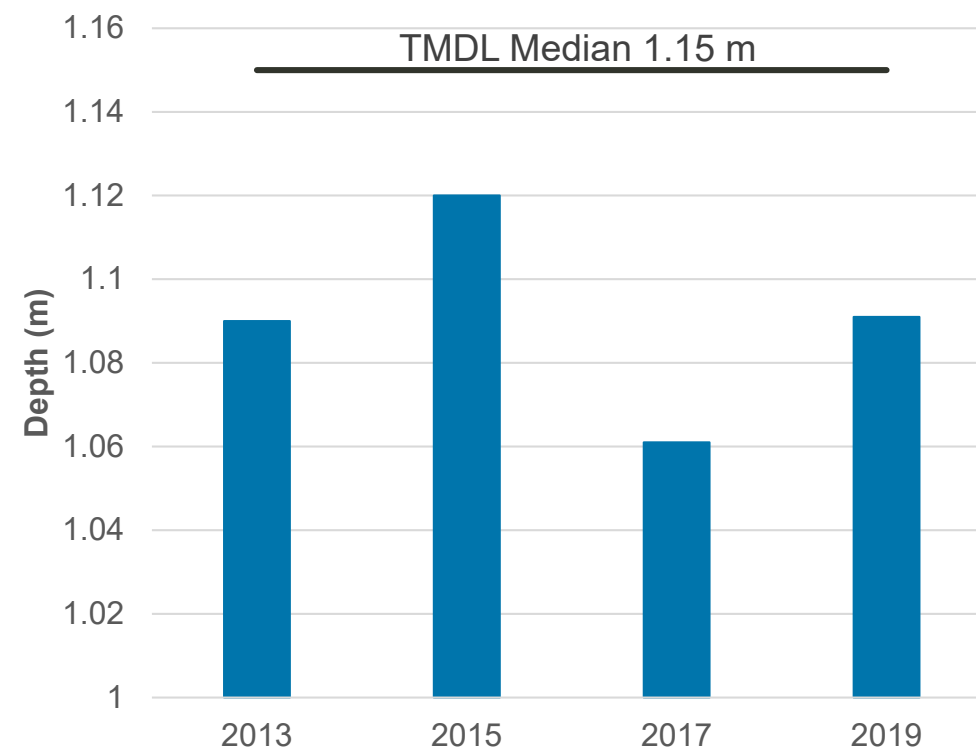
— TMDL Target — Central B

Step 1: Non-Compliant



Step 2

2019 Median Deep Edge



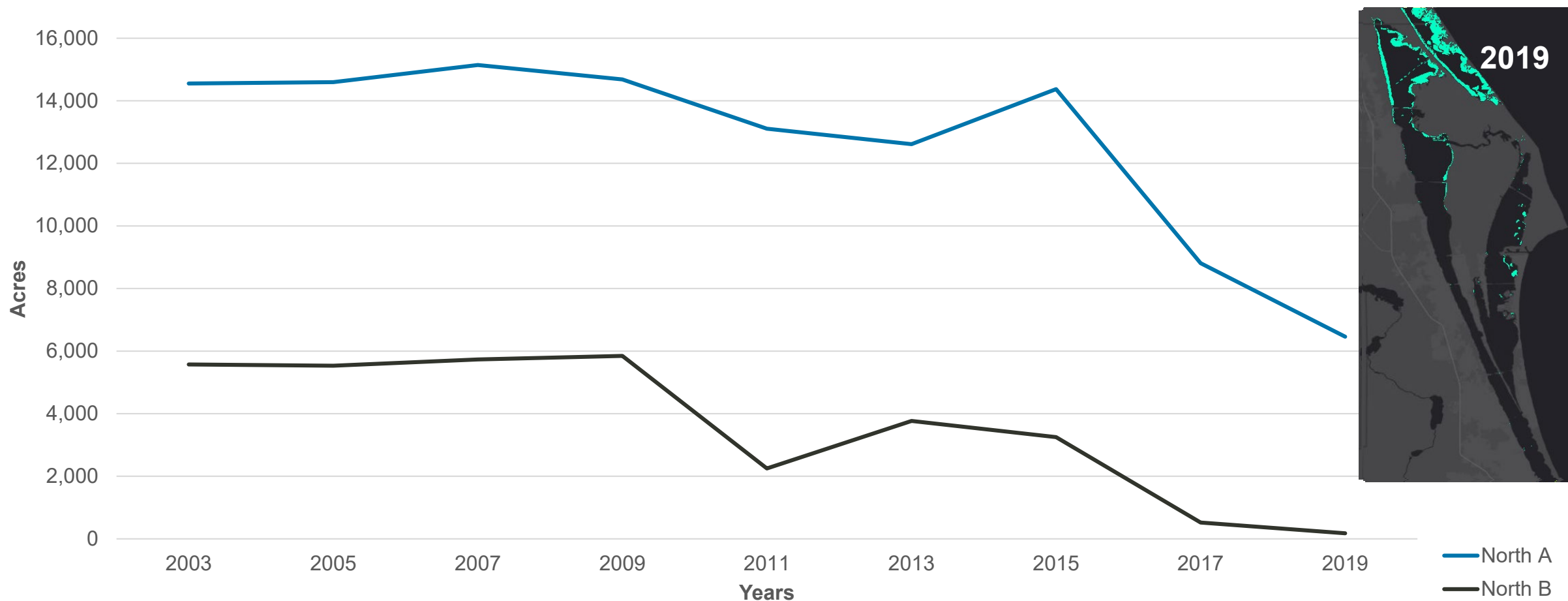
■ Central B — TMDL

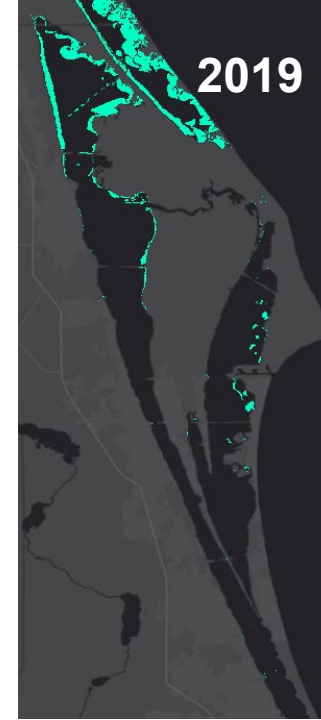
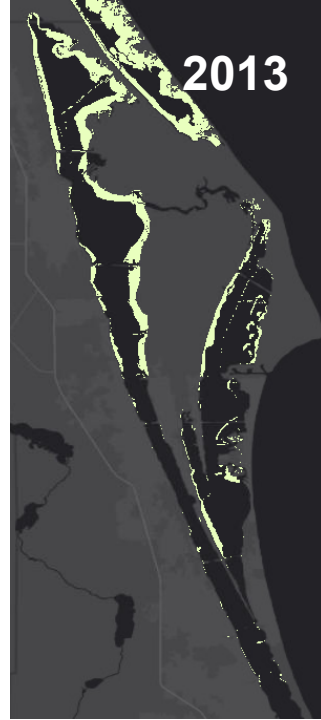
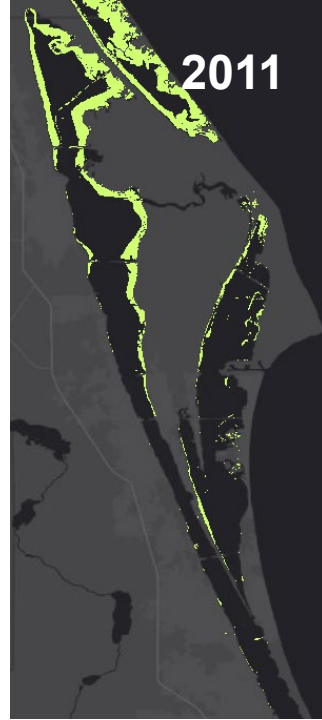
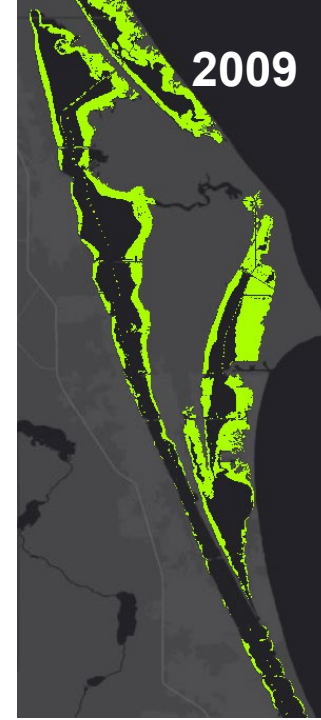
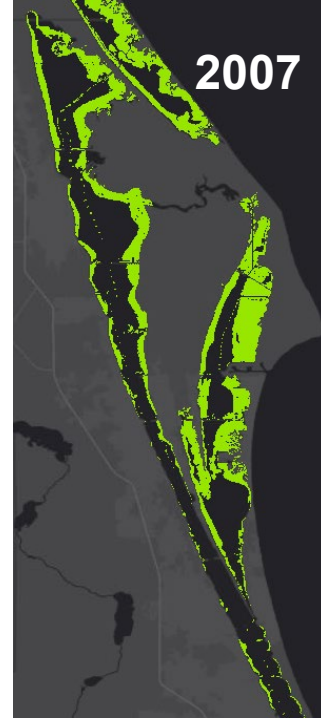
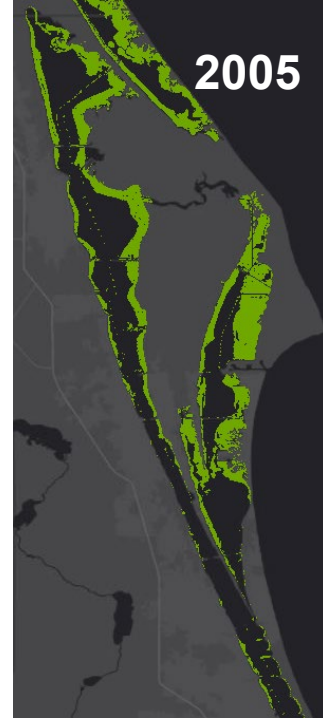
Step 2: Non-Compliant



NIRL Seagrass Aerial Extent Over Time

Aerial Extent is not used as a measure of compliance

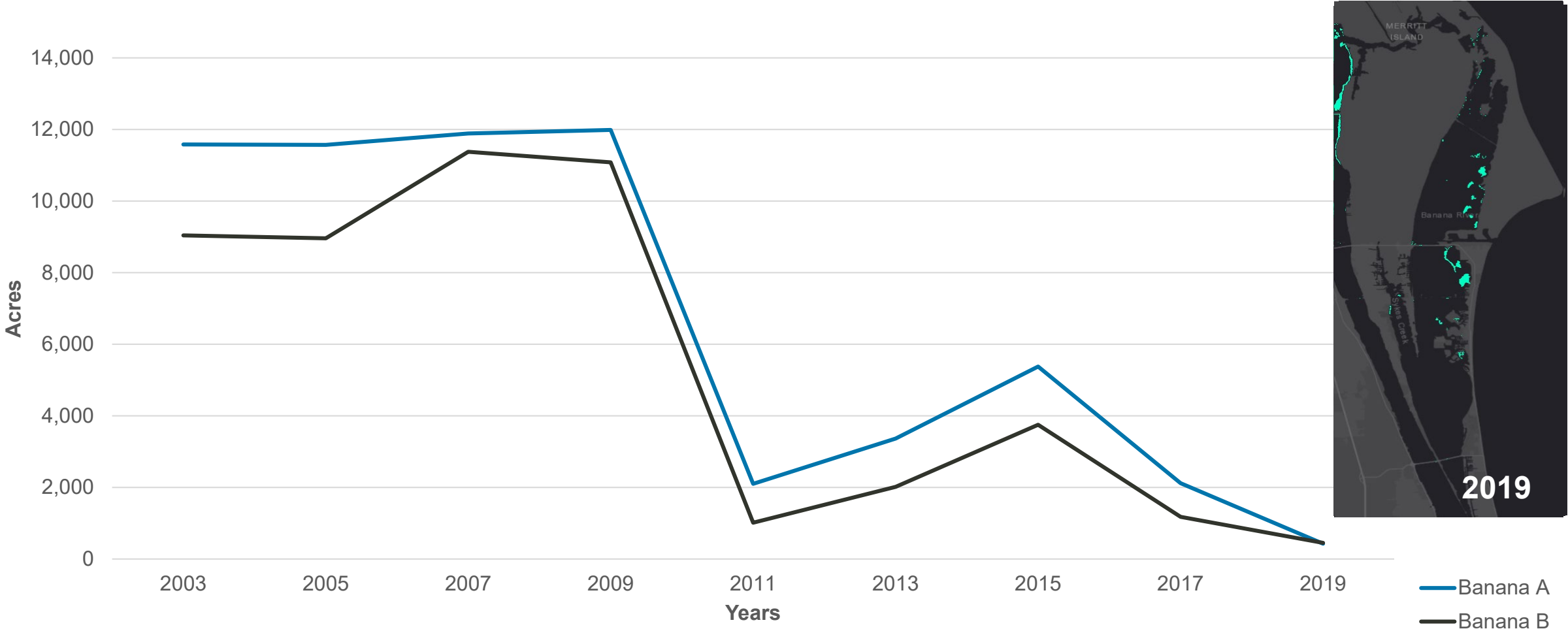


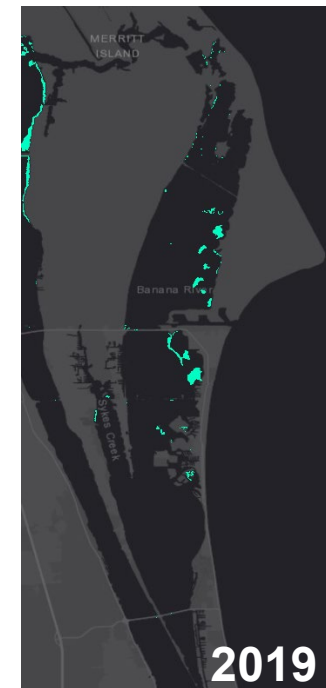
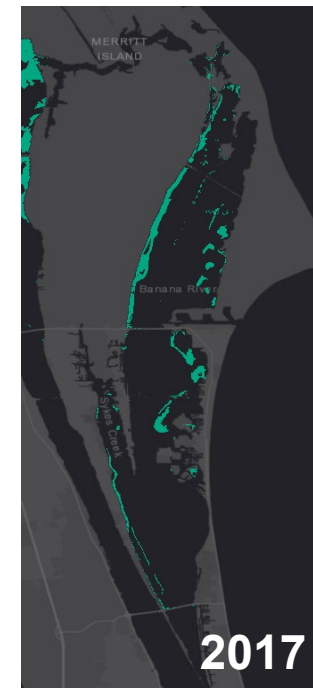
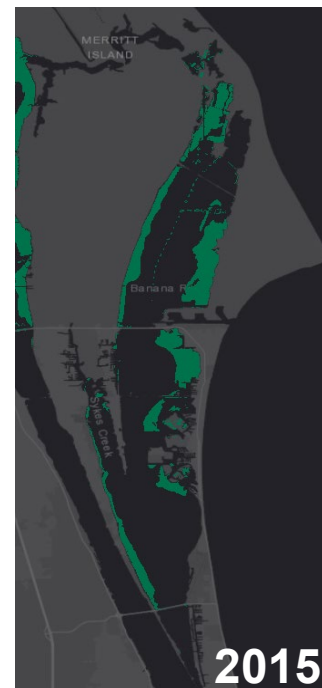
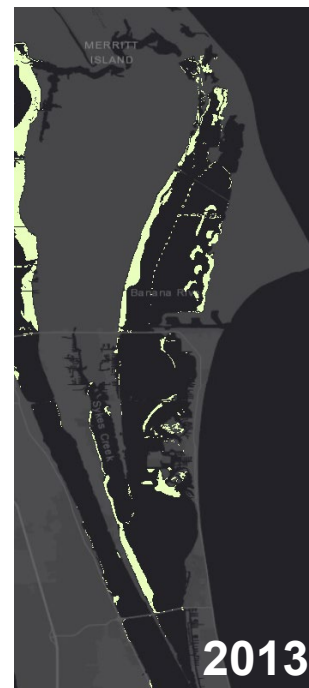
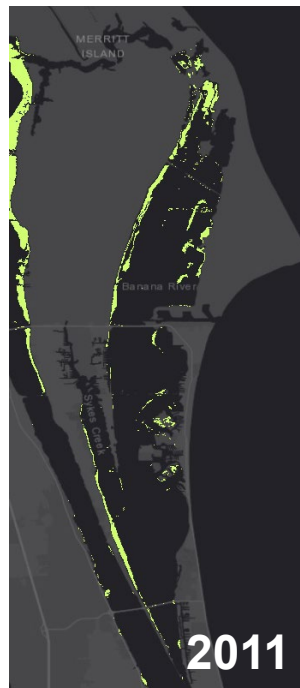
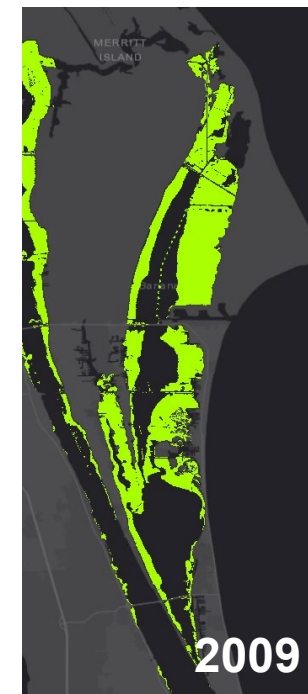
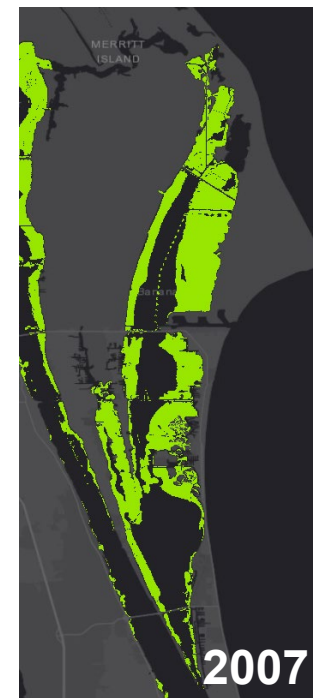
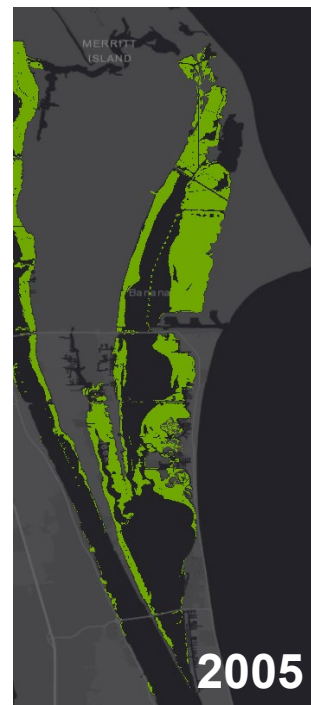
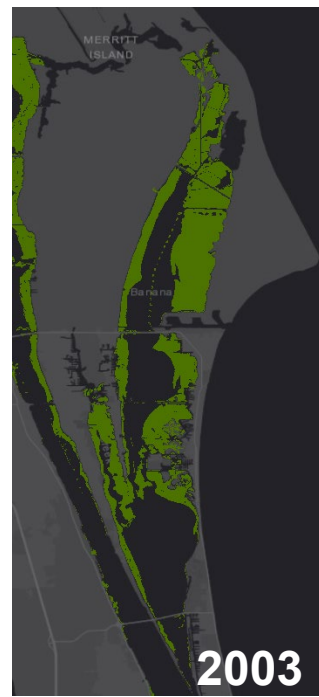




BRL Seagrass Aerial Extent Over Time

Aerial Extent is not used as a measure of compliance

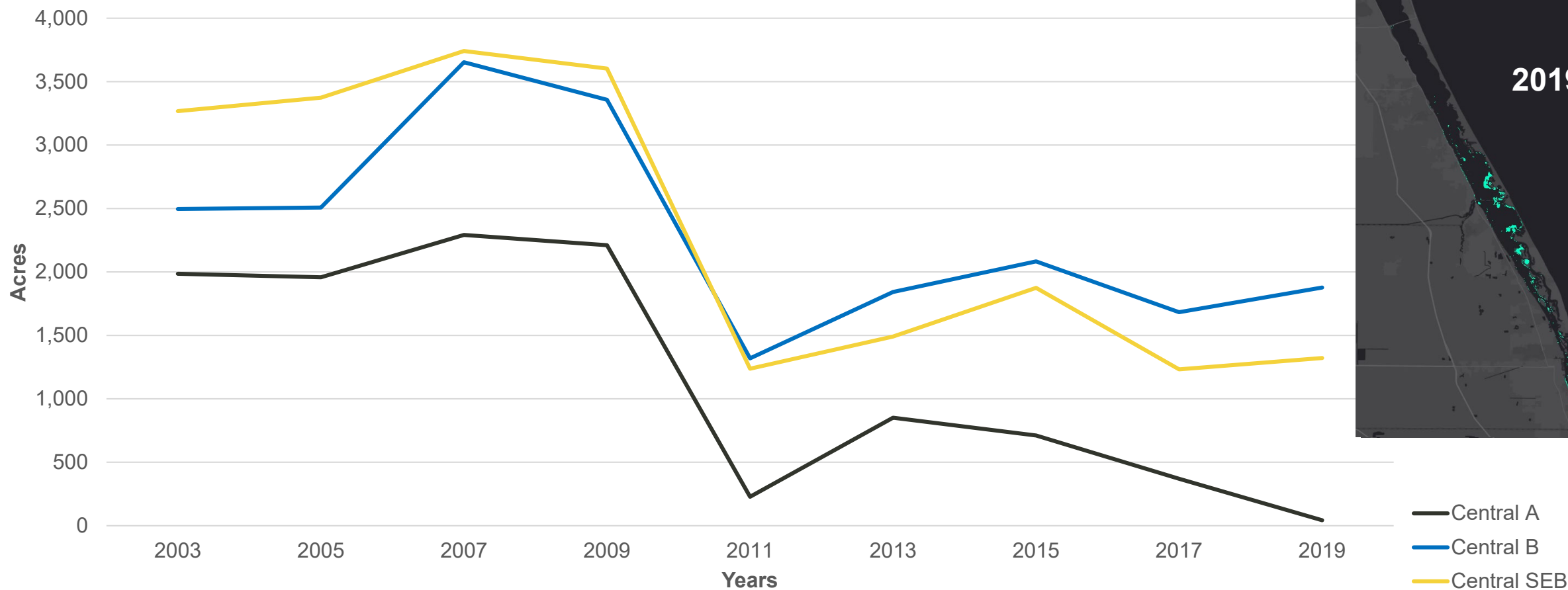


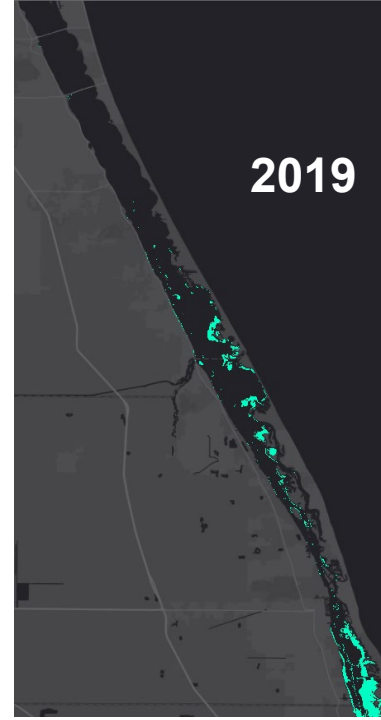
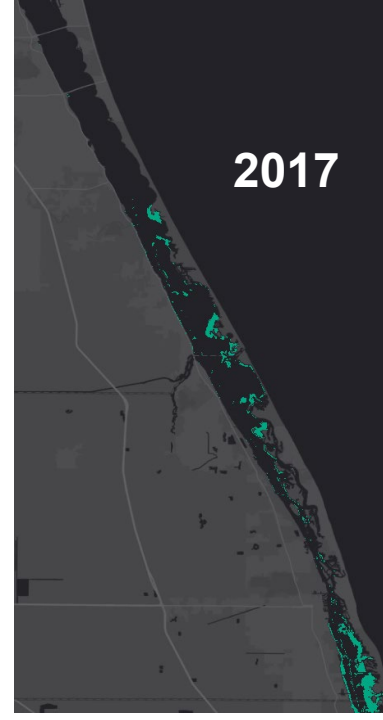
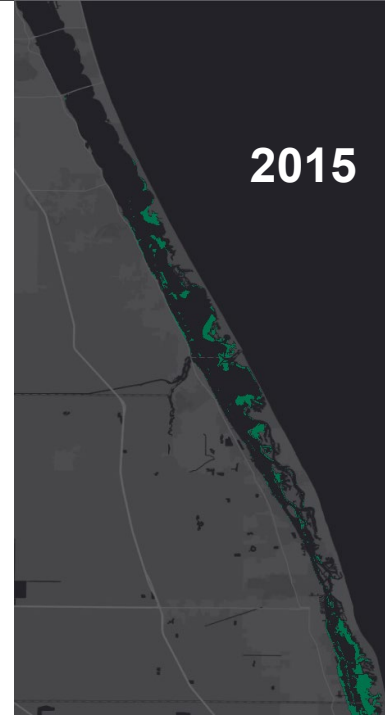
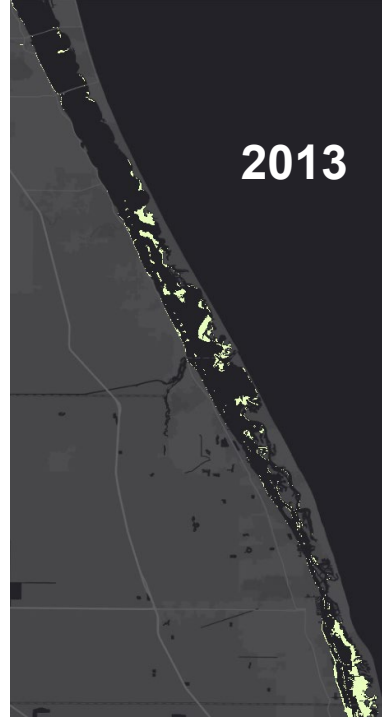
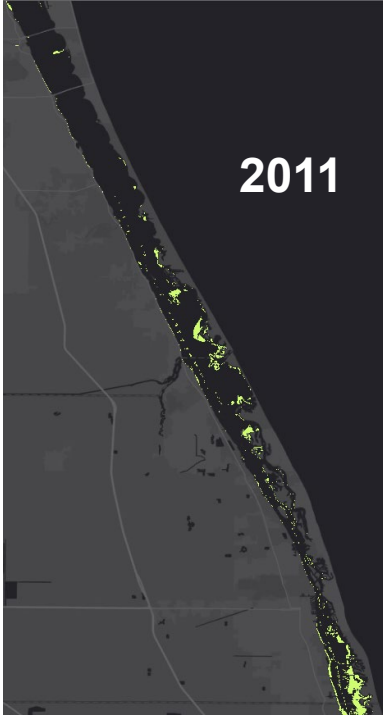
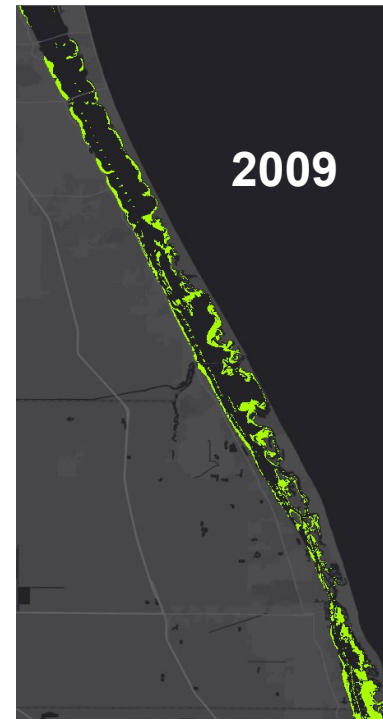
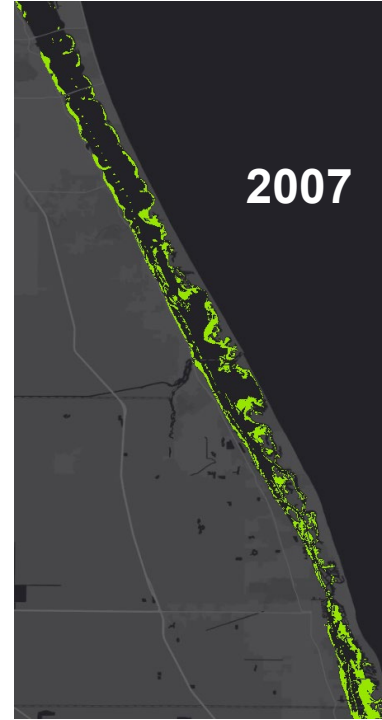
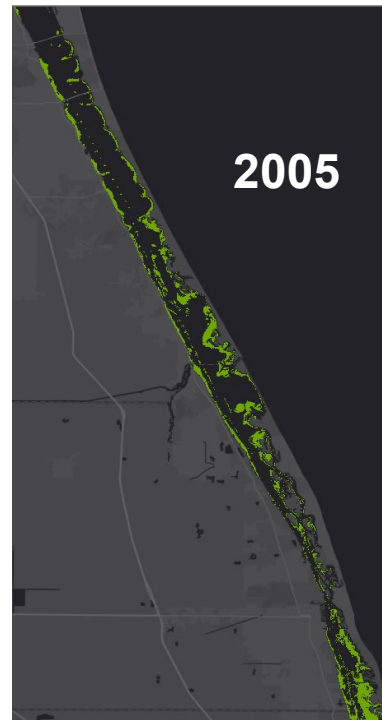
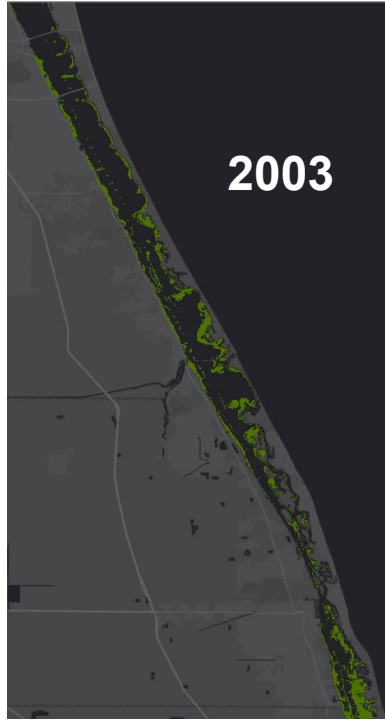




CIRL Seagrass Aerial Extent Over Time

Aerial Extent is not used as a measure of compliance







Historic Compliance Results

Step 1	North A	North B	Banana A	Banana B	CIRL A	CIRL SEB	CIRL B
2006 - 2011	Fail	Fail	Pass	Fail	Pass	Pass	Pass
2007 - 2013	Fail	Fail	Pass	Fail	Pass	Pass	Pass
2009 - 2015	Fail	Fail	Pass	Fail	Pass	Pass	Pass
2011 - 2017	Fail	Fail	Fail	Fail	Fail	Fail	Fail
2013 - 2019	Fail	Fail	Fail	Fail	Fail	Fail	Fail
Step 2	North A	North B	Banana A	Banana B	CIRL A	CIRL SEB	CIRL B
2006 - 2011	Fail	Fail	Pass	Fail	Pass	Pass	Pass
2007 - 2013	Fail	Fail	Fail	Fail	Fail	Fail	Fail
2009 - 2015	Fail	Fail	Fail	Fail	Fail	Fail	Fail
2011 - 2017	Fail	Fail	Fail	Fail	Fail	Fail	Fail
2013 - 2019	Fail	Fail	Fail	Fail	Fail	Fail	Fail

TMDL targets for steps 1 and 2 were not established for the lagoon in the SIRL project zone, so it is excluded from this analysis



Questions?



Survey Feedback

- Poll from August 2020 requested feedback

- Determine milestones
- Address Basinwide Sources

Approach



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Survey Feedback

Muck is an important source

- IRL Muck Guidance Crediting revised 2019
- Added to considerations section of report
- **SEDIMENT & EROSION CONTROL MEASURES IN PLACE FIRST!**

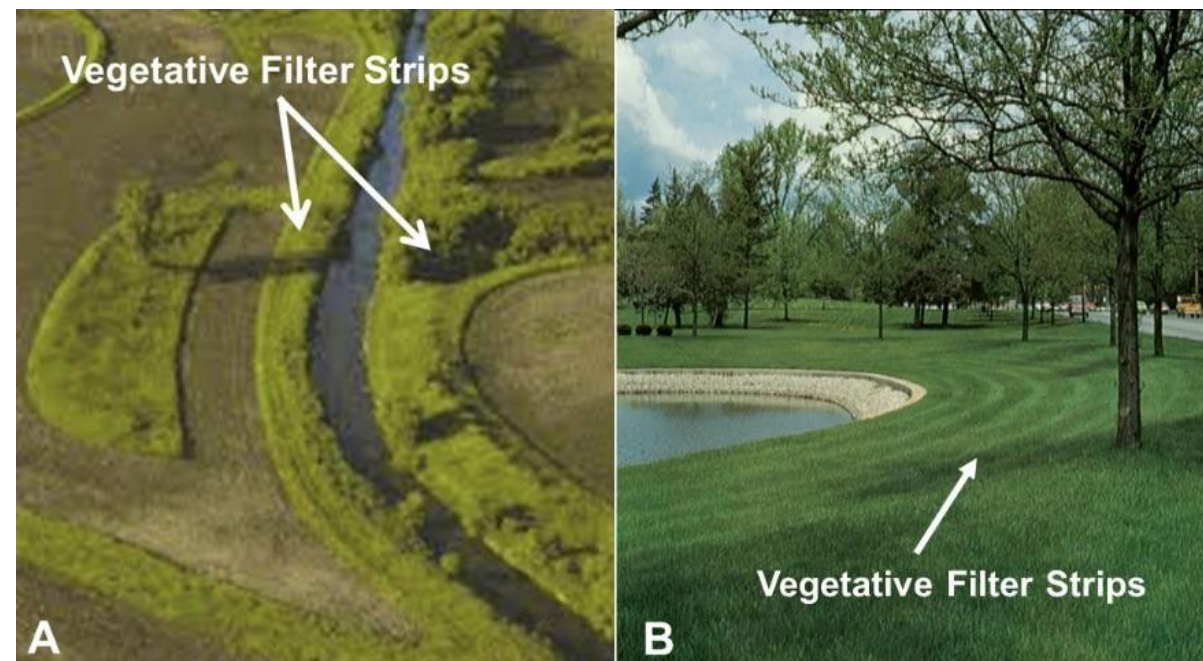


Photo Source: <https://edis.ifas.ufl.edu/LyraEDISServlet?command=getScreenImage&oid=12164558>



Survey Feedback

Crediting for Aquatic Vegetation Harvesting



[This Photo](#) by Unknown Author is licensed under [CC BY](#)

- Guidance available for crediting
- Targets invasive/nuisance species
 - e.g. Hydrilla & Water Hyacinth



Survey Feedback

Crediting & Funding for Stormwater Management

- Credits
 - BMAP Credits only go to projects above and beyond permitting requirements
 - Credits based on monitoring data if available and required for certain project types
 - Credit includes installation and long-term maintenance
- Funding
 - Cost share, grants, and loan opportunities are available
 - e.g. retrofits & new projects
 - O & M should be considered when applying
 - Local revenue sources should cover necessary maintenance
 - Work with your citizens on the best way to fund nutrient management strategies
- Stormwater/Environmental Resource Permitting (SWERP)
 - See Report Reference --- Statutory requirement to update rule

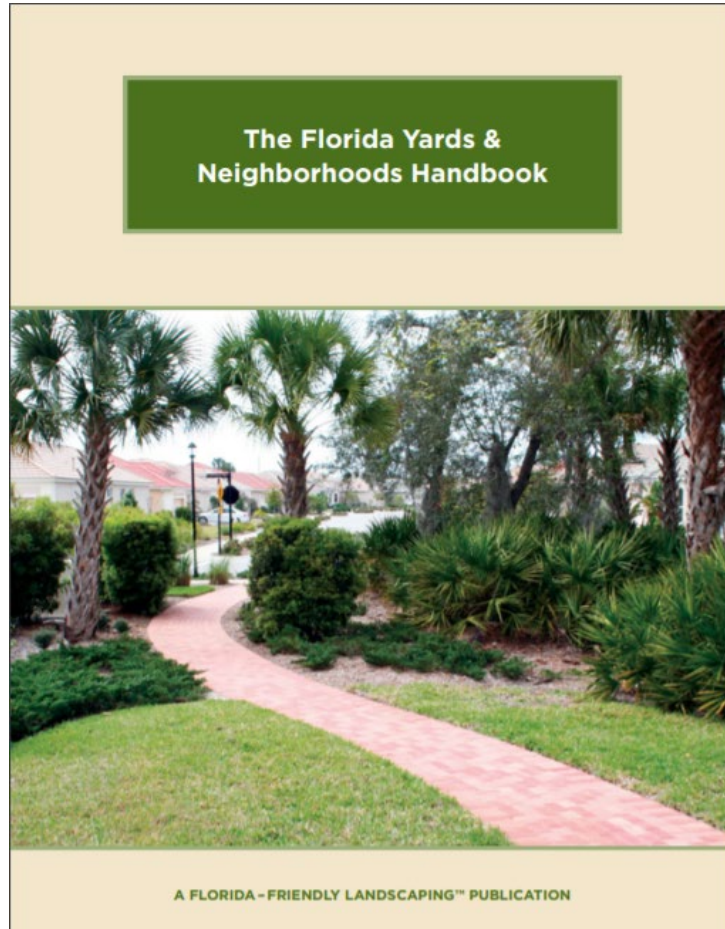


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Survey Feedback

Locally implemented programs



- Florida Yards and Neighborhoods
- Fertilizer Codes/Ordinances
- Landscaping Codes/ Ordinances
- Irrigation Codes/Ordinances
- Inspection Program for illicit discharges

Photo Source: https://fl.ifas.ufl.edu/materials/FYN_Handbook_2015_web.pdf



Survey Feedback

Agriculture requirements

- Revisions to the current process outlined in SB712
- Revisions include
 - New reporting requirements
 - New implementation verification requirements
 - Review/potential updates to BMP manuals

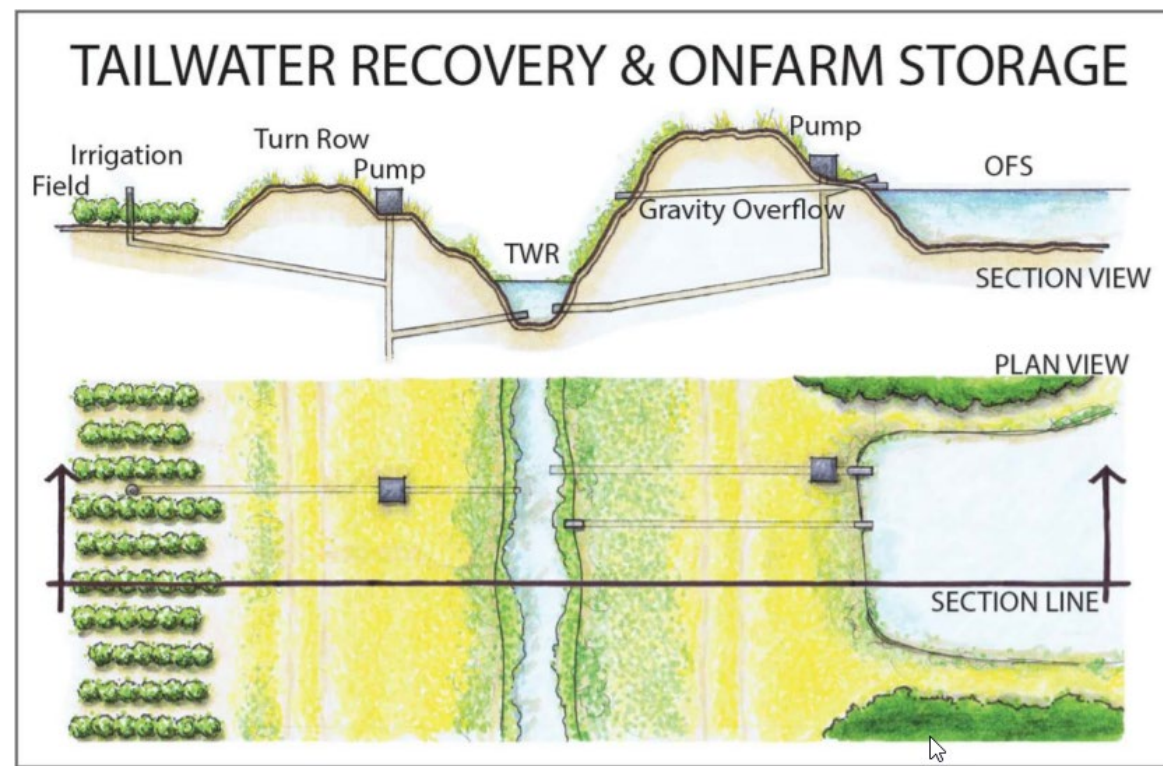


Photo Source: <https://extension.msstate.edu/sites/default/files/publications/publications/p3125.pdf>



Survey Feedback

Nutrients from WWTF Reuse & Biosolids



[This Photo](#) by Unknown Author is licensed under [CC BY](#)

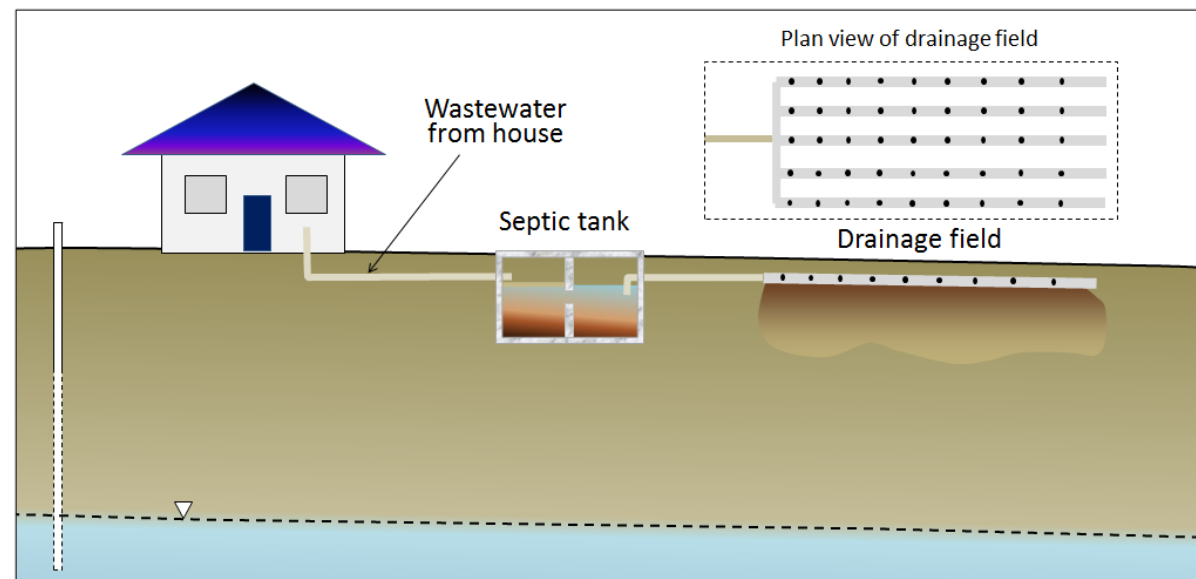
- Reuse water is subject to:
 - Volumetric Rate Limits
 - Basic to High Level Disinfection
 - Proposing new TN and TP limits for reuse applications
- Biosolids rulemaking in progress
 - A public workshop was held September 18, 2020
 - Comments on the draft rule were requested by October 19, 2020
 - DEP is reviewing the submitted comments and considering revisions to the draft rule
- Reach out to your local district office for questions



Survey Feedback

Septic Systems

- OSTDS transfer of program from DOH to FDEP in progress
- Clean Waterways Act septic remediation report requirement
- Federal/State funding available for conversions



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Survey Feedback

Nutrient Loading from Atmospheric Deposition



- TMDL estimates the contribution
 - Considered separate from wastewater and stormwater allocations
 - Entities are not responsible for reducing



Survey Feedback

Future SWIL Modeling Revisions

- DEP developing scope of work for future updates to the model to improve allocations.
- Examples of potential tasks:
 - Updates to SWIL input layers
 - Revisions to the model period of record
 - Incorporation of new calibration/verification data
- Additional tasks may streamline future load allocation and project calculation processes
- Stakeholders should review model files and reports and submit ideas for consideration.
 - Model files and reports available at:
<http://publicfiles.dep.state.fl.us/DEAR/BMAP/IndianRiverLagoon/Models/SWIL/>



Questions?

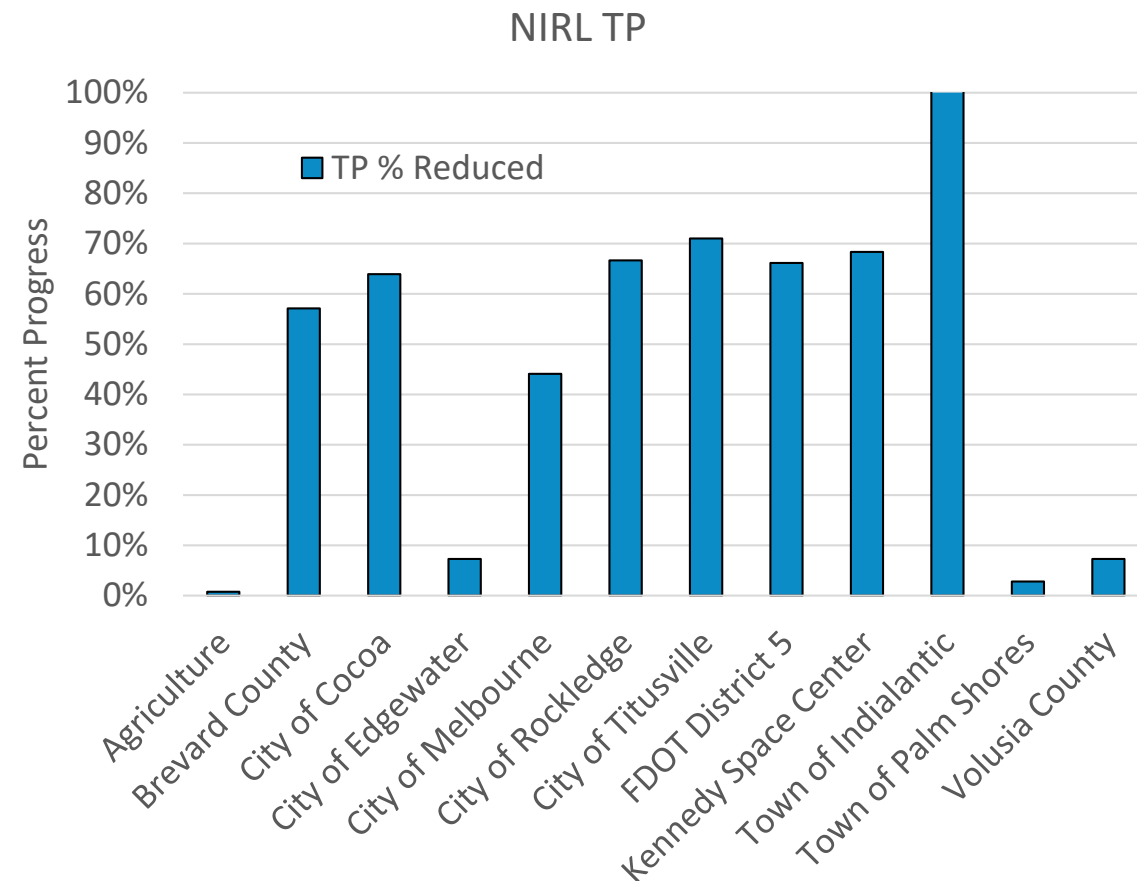
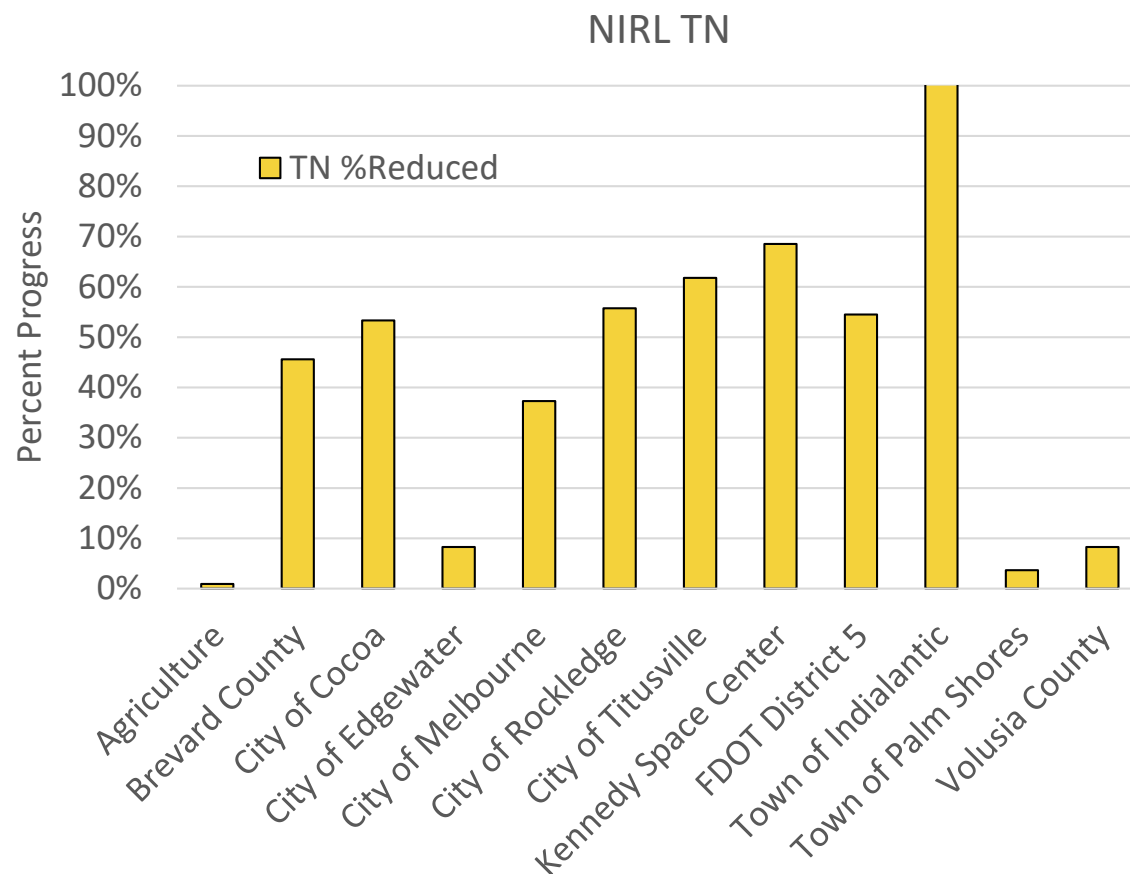


Allocations & Reductions

- Revised allocations were presented at August 2020 public webinar
- Minor corrections identified and revisions made
 - Finalized calculations of load diverted by C-1 project
 - Adjusted project zone boundaries
 - e.g. the middle of a canal or roadway may be split between project zones
 - Adjusted BRL and NIRL BMAP boundaries where jurisdictional boundaries were slivered
 - Adjusted for agricultural areas with duplicated slivers
- Low priority ranking determination included
- Comprehensive allocations tables included in Draft BMAP Reports



North IRL Reduction Progress

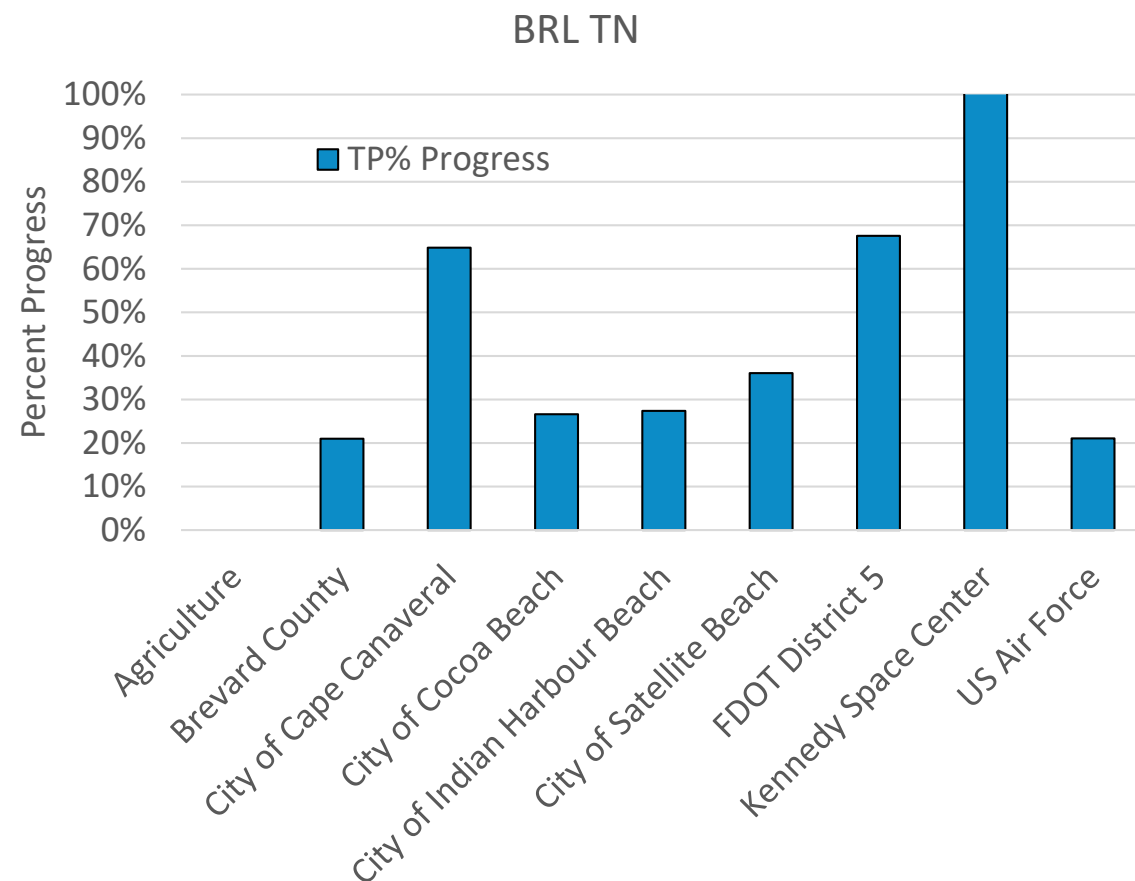
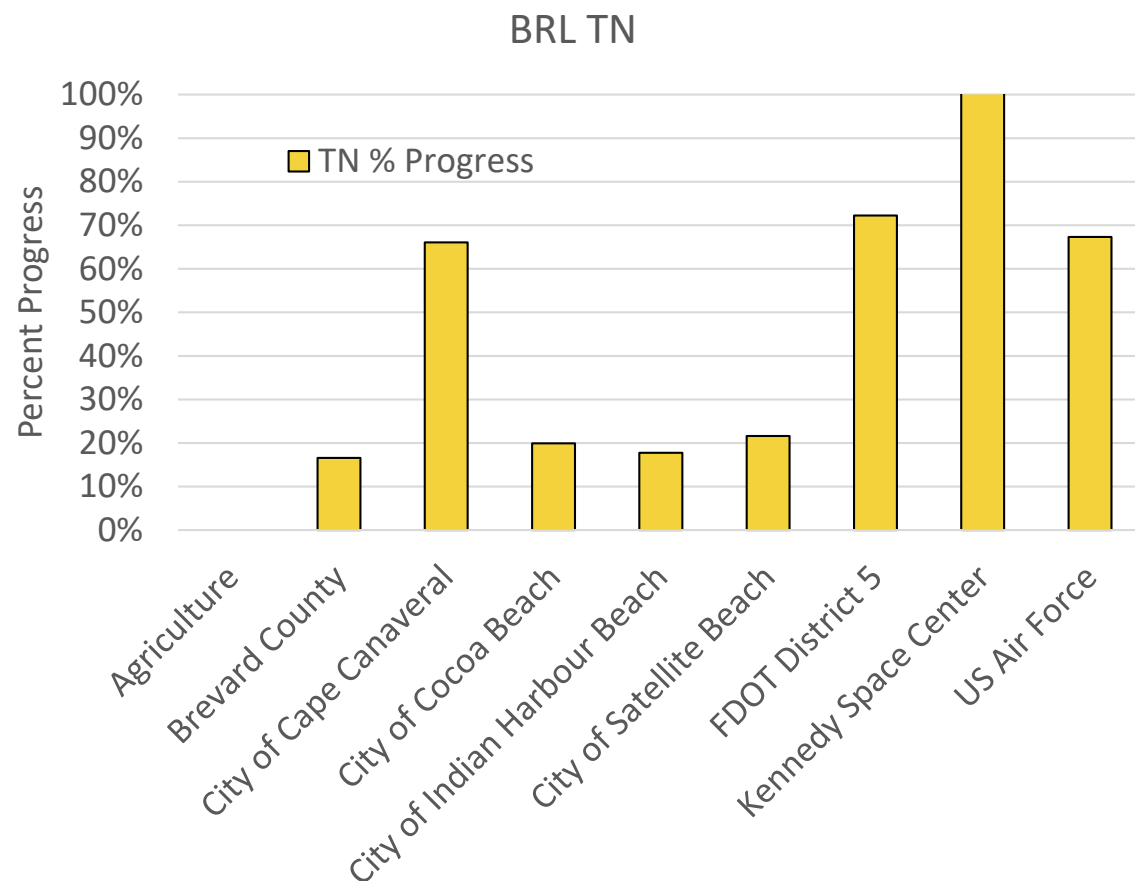


Notes:

1. Distribution of SOIRL credits are not reflected in these graphics
2. All charts reflect credits from projects that have a complete status and have been verified by DEP



BRL Reduction Progress

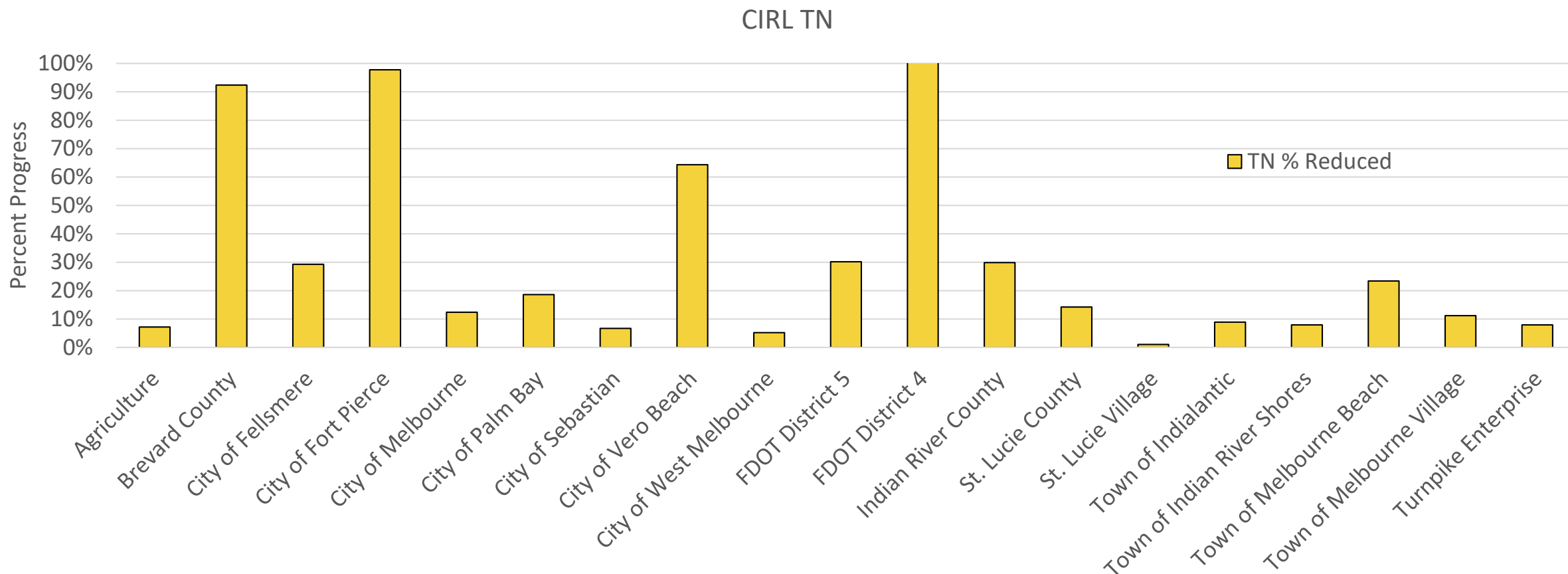


Notes:

1. Distribution of SOIRL credits are not reflected in these graphics
2. All charts reflect credits from projects that have a complete status and have been verified by DEP



CIRL Reduction Progress (TN)

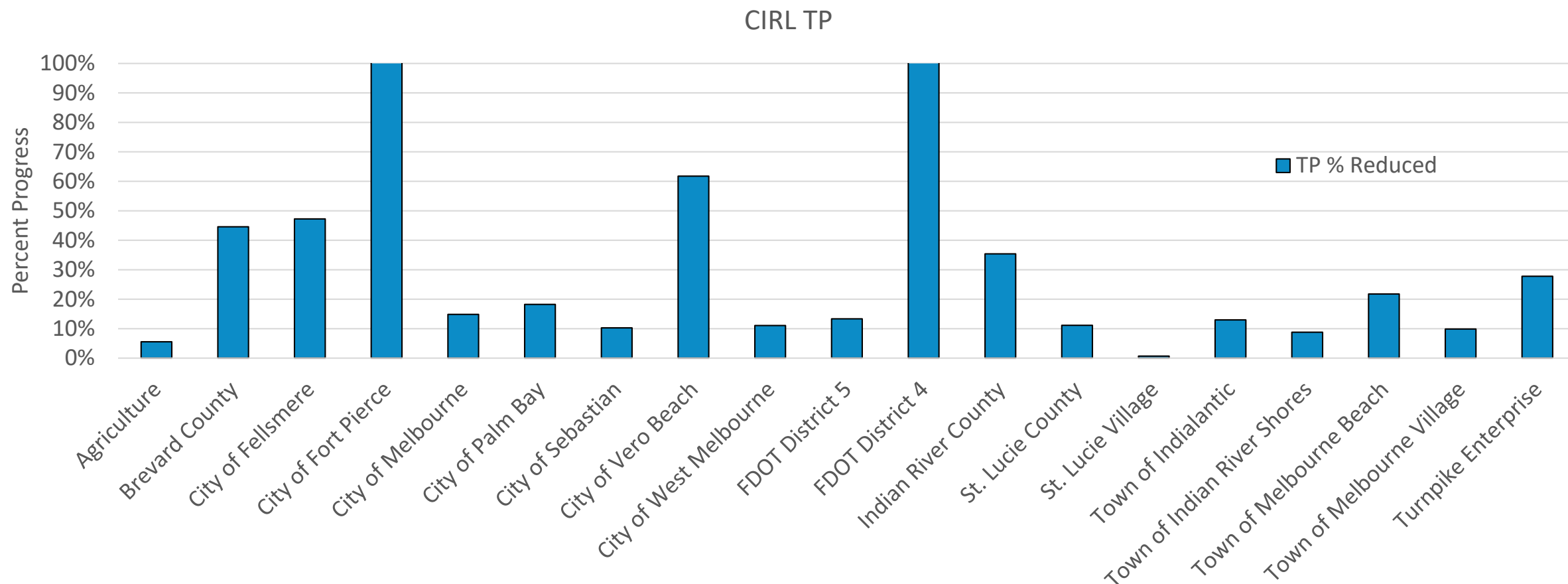


Notes:

1. Distribution of SOIRL credits are not reflected in these graphics
2. All charts reflect credits from projects that have a complete status and have been verified by DEP



CIRL Reduction Progress (TP)



Notes:

1. Distribution of SOIRL credits are not reflected in these graphics
2. All charts reflect credits from projects that have a complete status and have been verified by DEP



Questions?



Timeline & Milestones

Section 403.067(7)(a)6, F.S. indicates that an assessment of progress towards BMAP milestones shall be conducted every 5 years, and plan revisions made as appropriate.

- To meet this requirement, the following milestones are established as a part of the updated BMAPs:

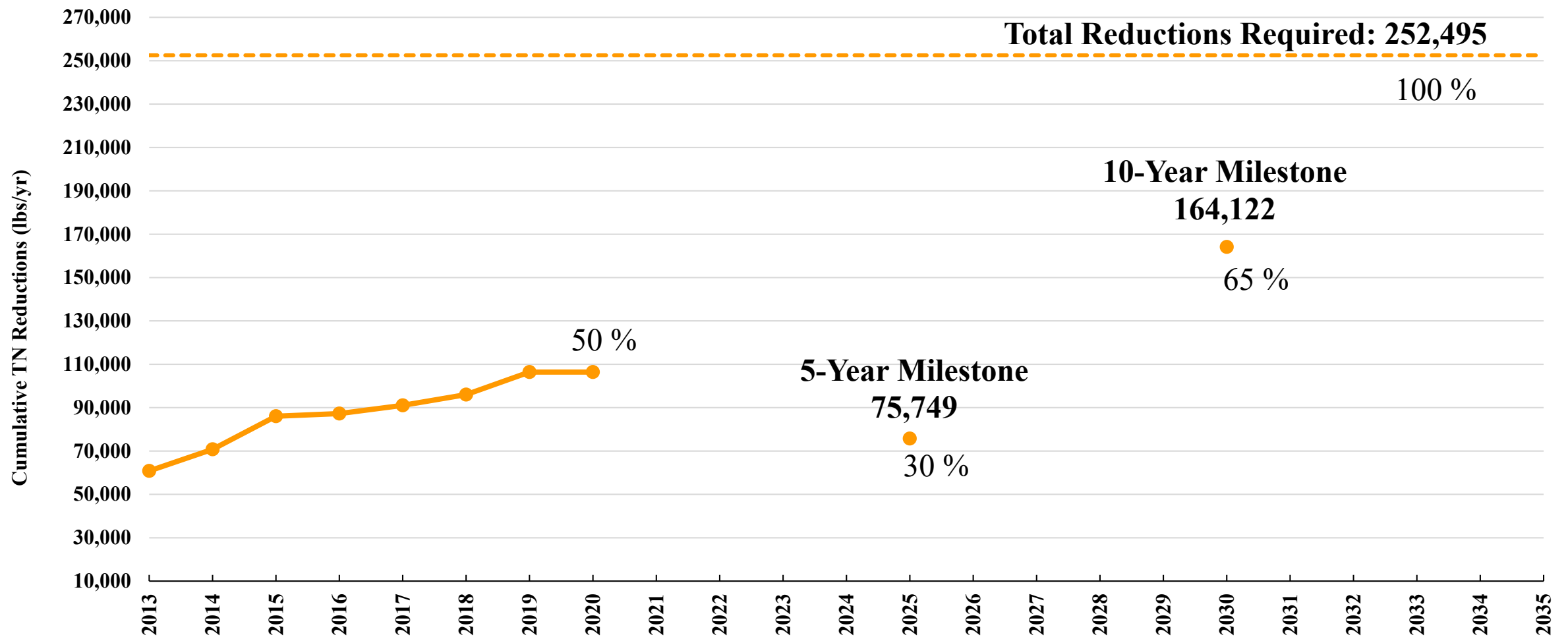


- Deadline established for achieving the full load reductions is 2035
 - 22 years after the initial BMAP adoption.



North IRL (TN)

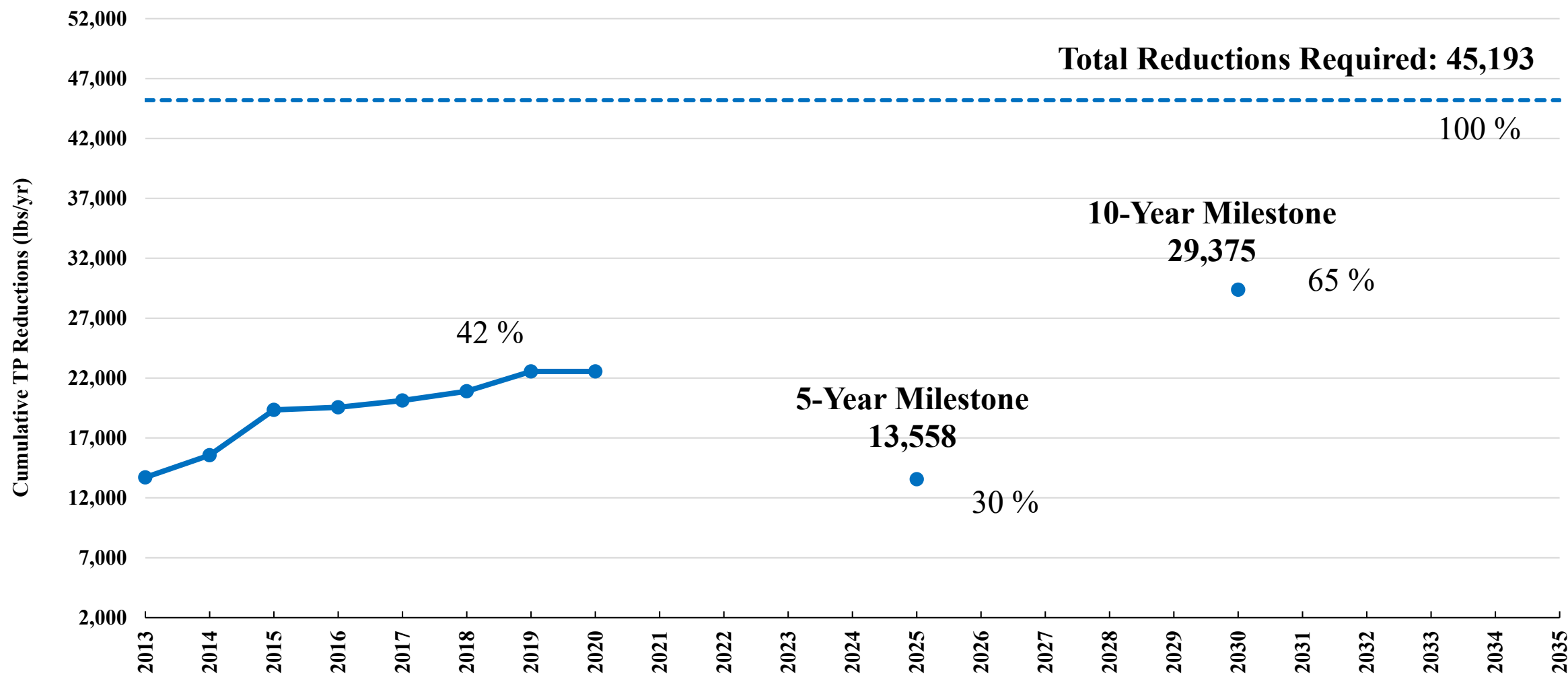
Progress and Milestones





North IRL (TP)

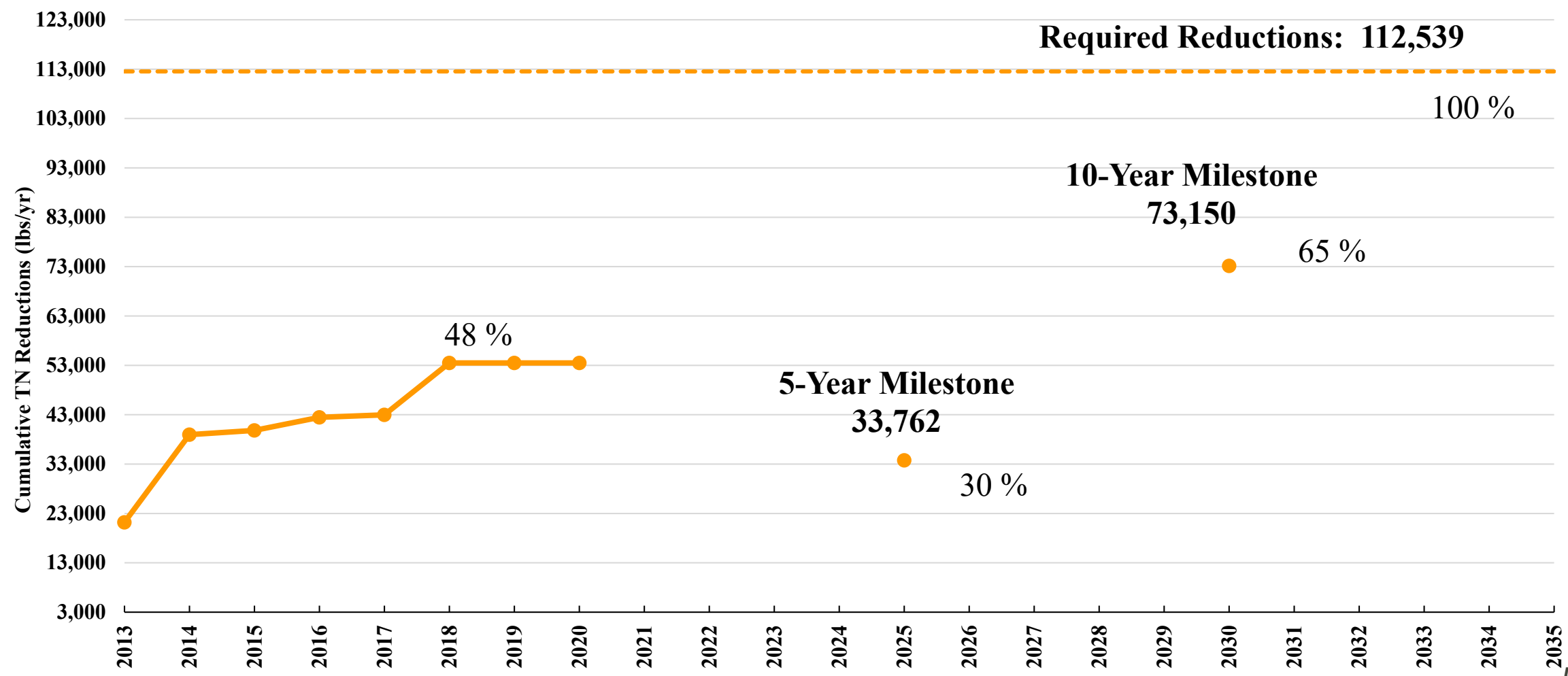
Progress and Milestones





Banana River Lagoon (TN)

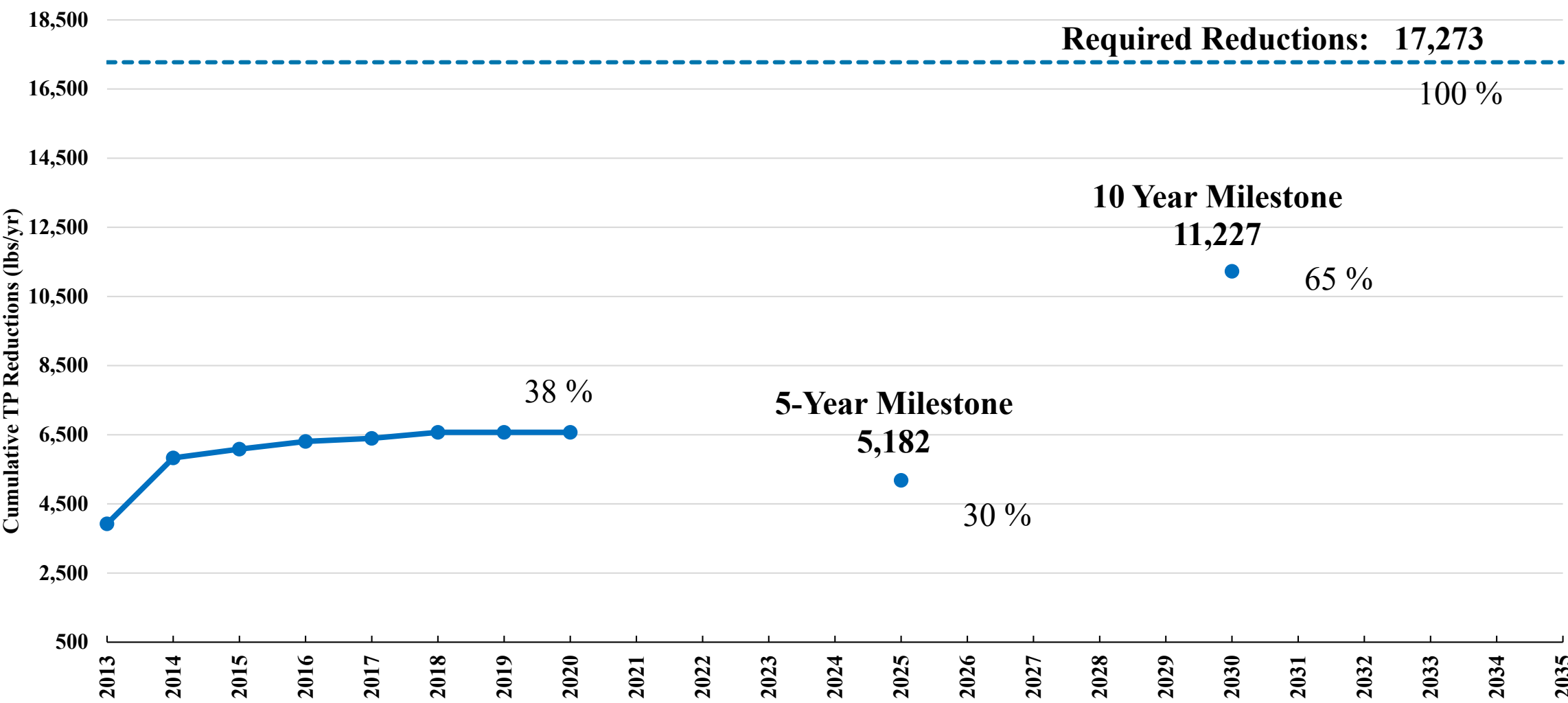
Progress and Milestones





Banana River Lagoon (TP)

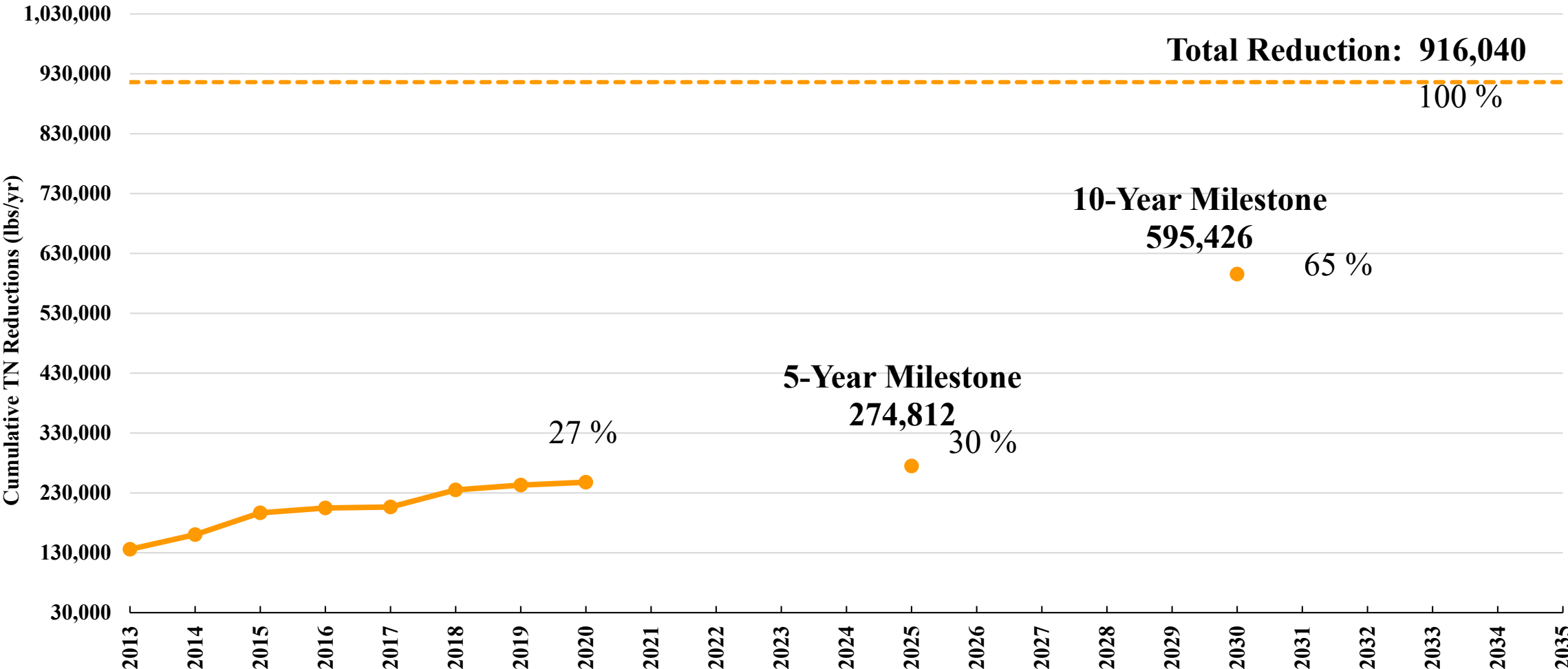
Progress and Milestones





Central IRL (TN)

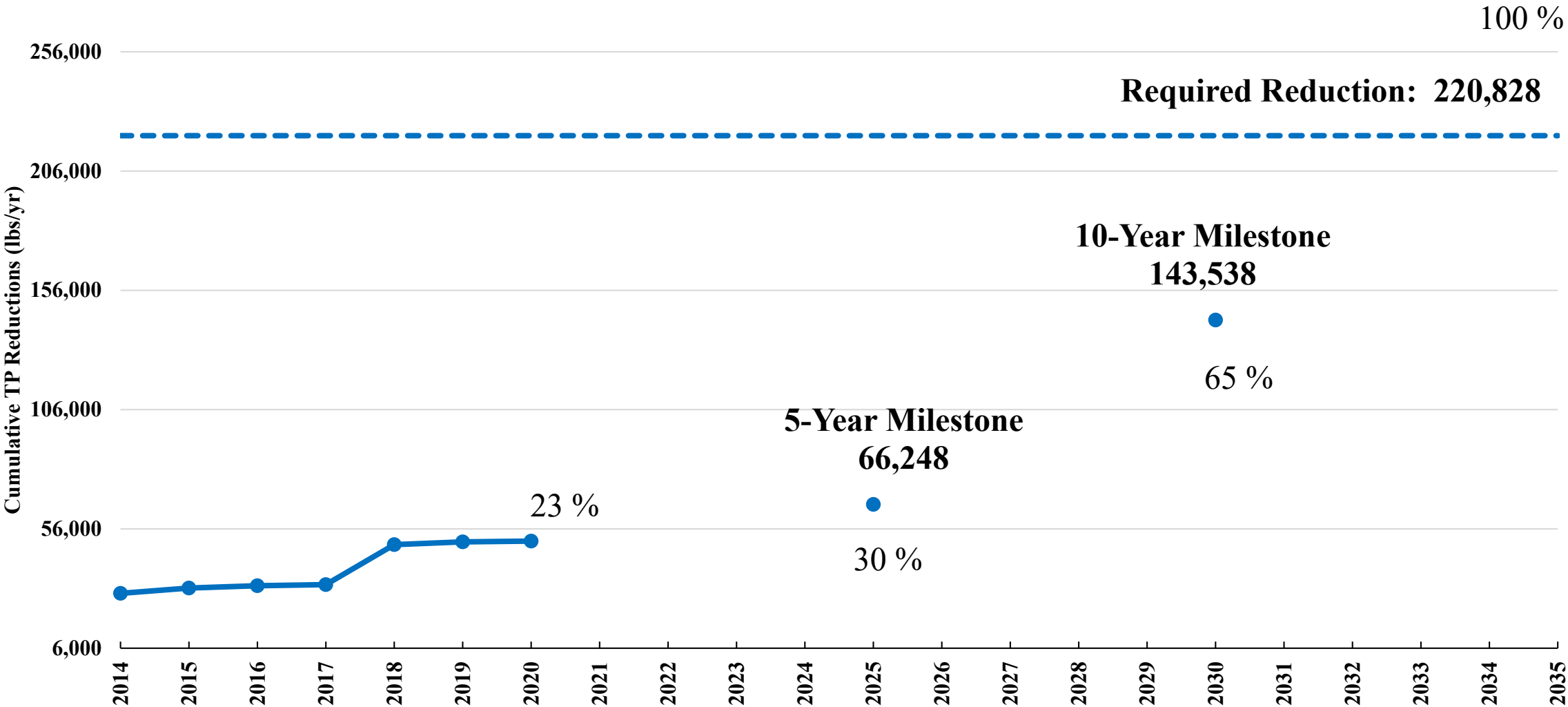
Progress and Milestones





Central IRL (TP)

Progress and Milestones





BMAP Report(s) Outline

- **Executive Summary**
- **Chapter 1.** Background Information
- **Chapter 2.** Modeling, Load Estimates, and Restoration Approach
- **Chapter 3.** Project Zones (BRL info listed for entire BMAP area)
- **Chapter 4.** Compliance and Adaptive Management
- **Chapter 5.** References
- Appendix A. BMAP Projects Supporting Information
- Appendix B. Agricultural Enrollment and Reductions
- Appendix C. Seagrass Analysis
- Appendix D. WCDs and Other Special Districts (*only for CIRL*)



Chapter 1

Background Information

1.1 Water Quality Standards and Total Maximum Daily Loads (TMDLs)

1.1.1. Central Indian River Lagoon TMDLs

1.2 Central IRL Basin Management Action Plan (BMAP)

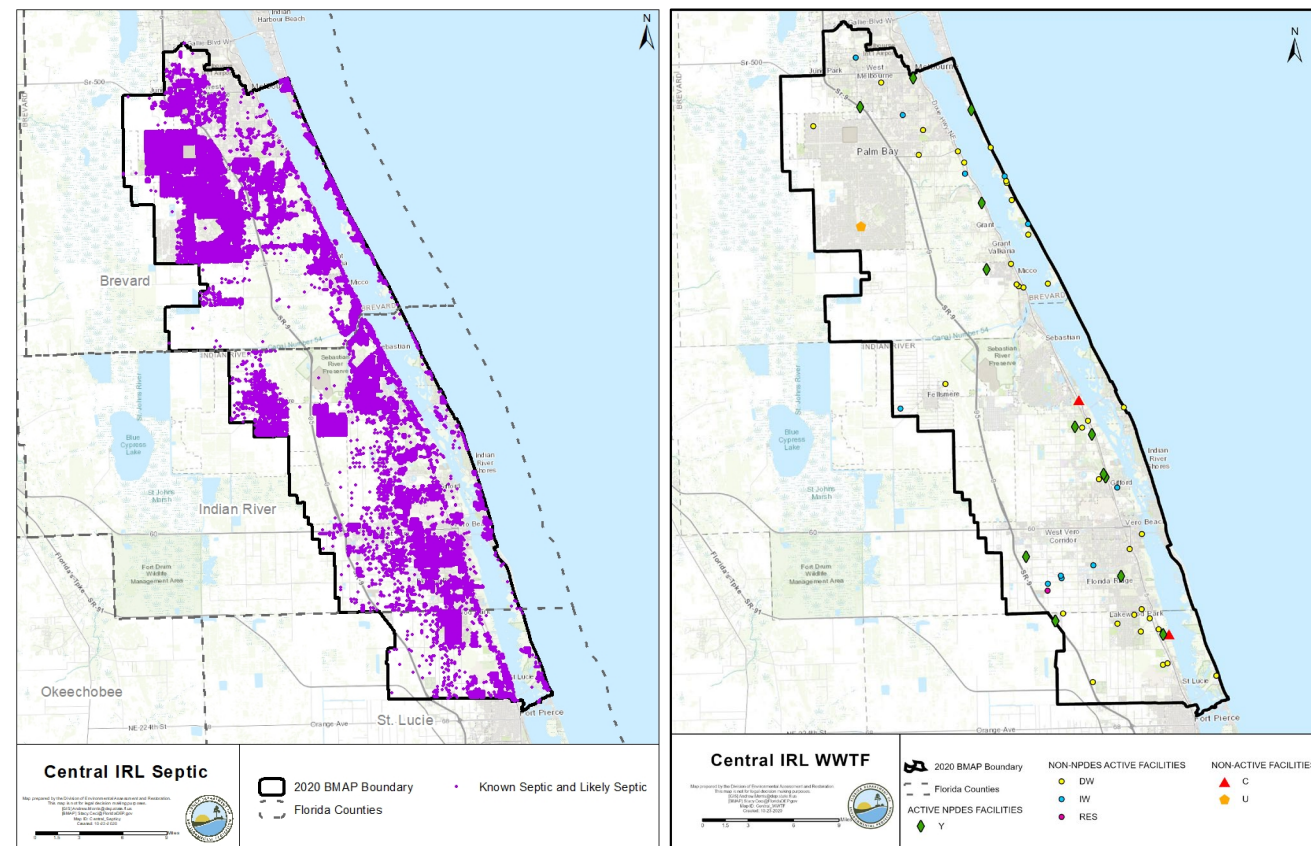
1.2.1. Pollutant Sources

1.2.2. Milestones and Tracking Progress

1.2.3. Assumptions

1.2.4. Considerations

1.3 Economic Benefits of the IRL System



- Agricultural Nonpoint Sources
- Municipal Separate Storm Sewer Systems (MS4s)
- Septic Systems (onsite sewage treatment and disposal systems [OSTDS])
- Urban Nonpoint Sources
- Wastewater Treatment Facilities (WWTFs)



Chapter 1

Background Information

1.1 Water Quality Standards and Total Maximum Daily Loads (TMDLs)

1.1.1. Central Indian River Lagoon TMDLs

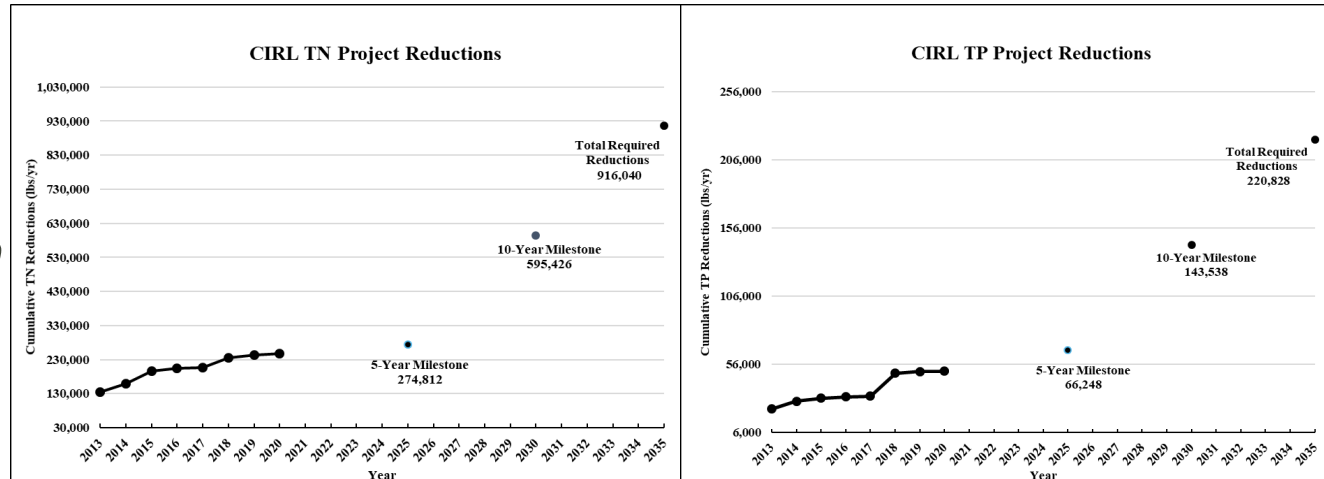
1.2 Central IRL Basin Management Action Plan (BMAP)

1.2.1. Pollutant Sources

1.2.2. Milestones and Tracking Progress

1.2.3. Assumptions

1.2.4. Considerations



- Section 403.067(7)(a)6, F.S. indicates that an assessment of progress towards the BMAP milestones shall be conducted every 5 years, and plan revisions made as appropriate.
 - To meet this requirement, DEP has established milestones for the years 2025, 2030, and 2035.
- 2025 milestone:
 - 30 % of TN and TP reductions. Based on model revisions, reset 2030 and 2035 milestones, as needed.
- 2030 milestone:
 - 65 % of TN and TP reductions.
- 2035 milestone:
 - 100 % of TN and TP reductions.
- Deadline established for achieving the full load reductions is 2035
 - 22 years after the initial BMAP adoption.



Chapter 1 (continued)

Background Information

1.1 Water Quality Standards and Total Maximum Daily Loads (TMDLs)

1.1.1. Central Indian River Lagoon TMDLs

1.2 Central IRL Basin Management Action Plan (BMAP)

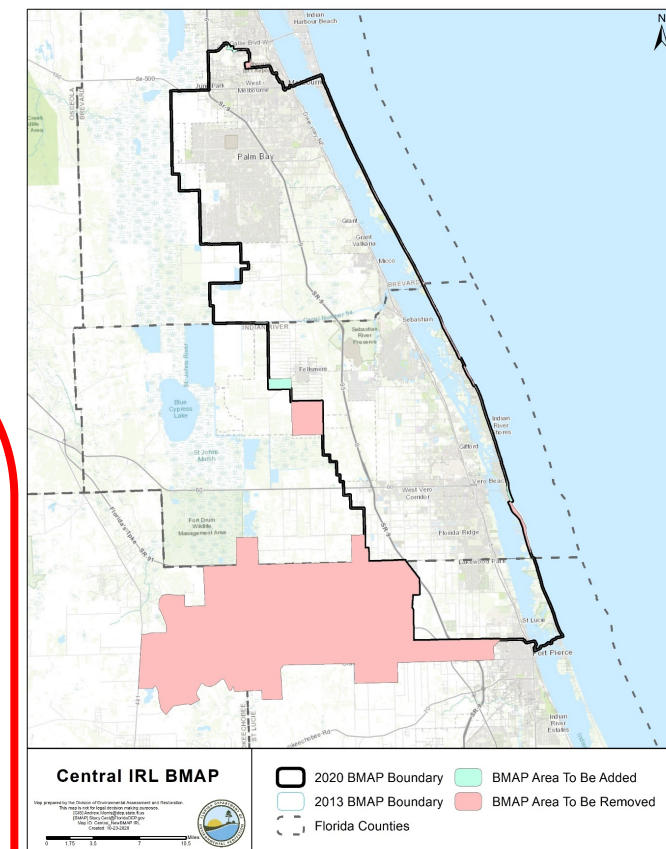
1.2.1. Pollutant Sources

1.2.2. Milestones and Tracking Progress

1.2.3. Assumptions

1.2.4. Considerations

- Basin Boundaries
 - Different than adopted BMAPs
- SWIL Model
 - Developed through stakeholder partnership
 - Used for BMAP allocations based on stakeholder input
 - Refinements planned prior to next BMAP update
- CDD Responsibilities
 - Assigned allocations only if three criteria met
- Special Districts (Water Control, Improvement, etc.)
 - Evaluation based on the special district's operations, authorities, and utilization of those authorities
 - Assigned qualitative allocations for the canals and rights-of-way (Described in **Appendix D**)
- Muck Deposition
 - Guidance documentation has been developed for crediting muck removal projects specifically from the lagoon





Chapter 2

Modeling, Load Estimates, and Restoration Approach

2.1 BMAP Modeling

- 2.1.1. SWIL Modeling
- 2.1.2. SWIL Calibration
- 2.1.3. Allocation Process
- 2.1.4. Project Credit Process

2.2 Calculation of Starting Loads and Allocations

- 2.2.1. Starting Loads and Allocation of Load Reductions
 - 2.2.1.1 Low Priority Ranking Determination
 - 2.2.1.2 Required Reductions

2.3 Basinwide Sources Approach

- 2.3.1. Agriculture
- 2.3.2. Septic Systems
- 2.3.3. Stormwater
- 2.3.4. Wastewater Treatment

2.4 Seagrass and Water Quality Monitoring Plan

- 2.4.1. Objectives
- 2.4.2. Monitoring Parameters, Frequency, and Network
- 2.4.3. Data Management and Assessment
- 2.4.4. Quality Assurance/Quality Control

2.5 Research Priorities

2.1 BMAP Modeling

- Describes high-level background on SWIL and how it was applied for the BMAP(s)

2.2 Calculation of Starting Loads and Allocations

- Describes calculation of load reductions needed to achieve the TMDL and allocation to the responsible stakeholders
- Includes tables of starting loads (by project zone and entity) and reductions required by entity

Table 12. SWIL Model starting loads

BMAP Area	Project Zone	Starting TN Load (lbs/yr)	% Total Load TN	Starting TP Load (lbs/yr)	% Total Load TP
CIRL	A	616,171	28%	85,081	28%
CIRL	SEB	762,595	34%	96,865	32%
CIRL	B	567,009	26%	78,837	26%
CIRL	SIRL	266,181	12%	38,975	13%
CIRL Totals	N/A	2,213,411	100%	299,758	100%



Chapter 2

Modeling, Load Estimates, and Restoration Approach

2.1 BMAP Modeling

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- 2.1.4. Project Credit Process

2.2 Calculation of Starting Loads and Allocations

- 2.2.1. Starting Loads and Allocation of Load Reductions

2.3 Basinwide Sources Approach

- 2.3.1. Agriculture
- 2.3.2. Septic Systems
- 2.3.3. Stormwater
- 2.3.4. Wastewater Treatment

2.3.1. Agriculture

- Included components of Senate Bill 712 (SB712)

2.3.2. Septic Systems (OSTDS)

- Included OSTDS remediation plan requirement from SB712 (403.067(7) (a) 9.b., F.S.)

2.3.3. Stormwater

- Stormwater rule update required in 373.4131(6), F.S.

2.3.4. Wastewater Treatment

- Included wastewater remediation plan requirement from SB712 (403.067(7)(a)9., F.S.)
- Included reference to AWT requirement for direct dischargers (Section 403.086, F.S., and Chapter 2020-150)

Table 16. TN effluent limits

mgd = million gallons per day
RRLA = rapid rate land application

Permitted Average Daily Flow (mgd)	TN Concentration Limits for Direct Surface Discharge (mg/L)	TN Concentration Limits for RRLA Effluent Disposal System (mg/L)	TN Concentration Limits for All Other Disposal Methods, Including Reuse (mg/L)
Greater than or equal to 0.5	3.0	3.0	10.0
Less than 0.5 and greater than or equal to 0.1	3.0	6.0	10.0
Less than 0.1	3.0	10.0	10.0

Table 17. TP effluent limits

mgd = million gallons per day
RRLA = rapid rate land application

Permitted Average Daily Flow (mgd)	TP Concentration Limits for Direct Surface Discharge (mg/L)	TP Concentration Limits for RRLA Effluent Disposal System (mg/L)	TP Concentration Limits for All Other Disposal Methods, Including Reuse (mg/L)
Greater than or equal to 0.5	1.0	1.0	6.0
Less than 0.5 and greater than or equal to 0.1	1.0	3.0	6.0
Less than 0.1	1.0	6.0	6.0



Chapter 2

Modeling, Load Estimates, and Restoration Approach

2.1 BMAP Modeling

- 2.1.1. SWIL Modeling
- 2.1.2. SWIL Calibration
- 2.1.3. Allocation Process
- 2.1.4. Project Credit Process

2.2 Calculation of Starting Loads and Allocations

- 2.2.1. Starting Loads and Allocation of Load Reductions

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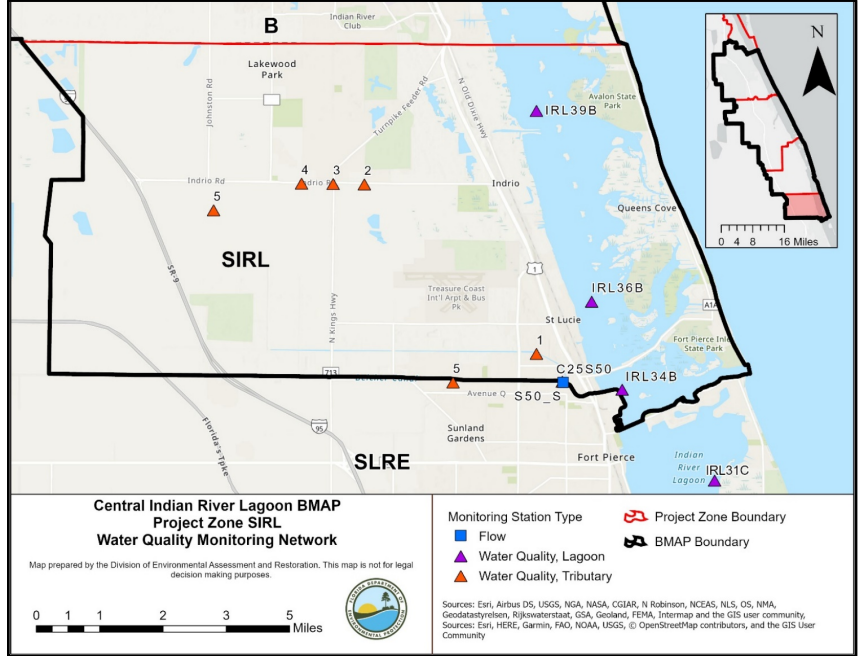
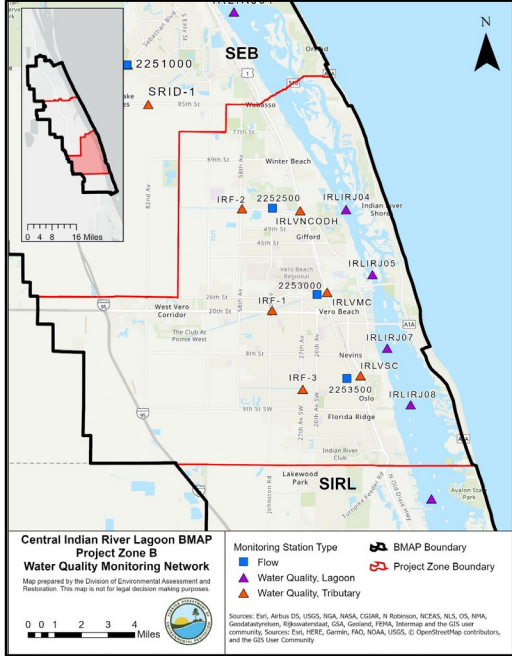
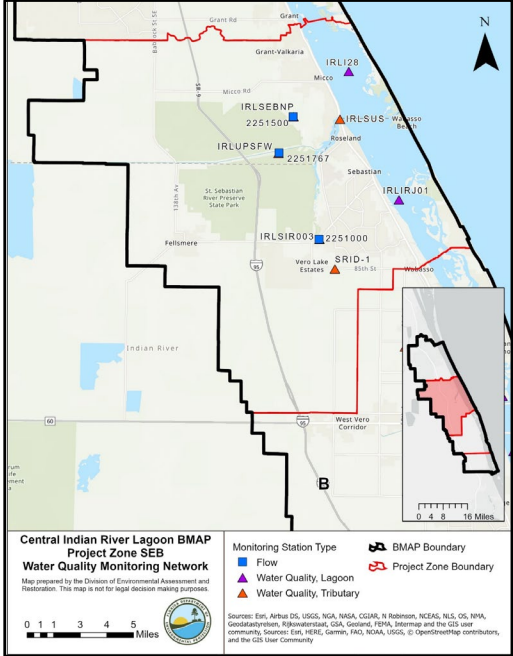
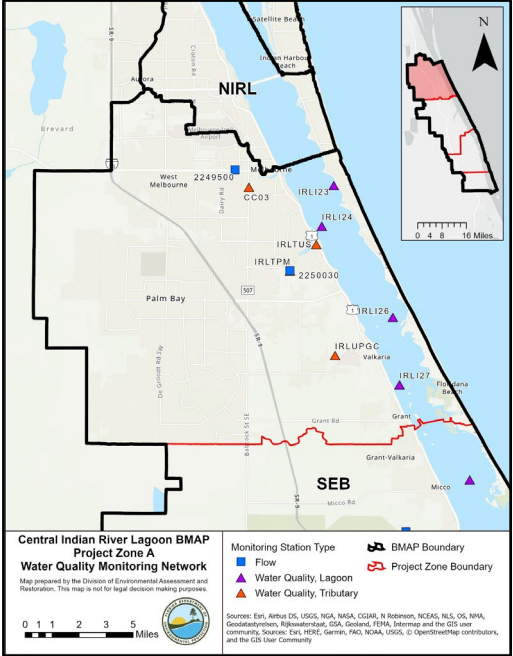
2.5 Research Priorities

Primary Monitoring Objective

- Track seagrass depth extent responses to BMAP implementation.

Secondary Objective

- Track trends in ambient water quality in the IRL and watershed, including major tributaries.
- Table of stations includes:
 - Monitoring entity, location, type, frequency
- Maps of stations by project zone
- Additional information and maps in **Appendix C**





Chapter 3

Project Zones

- Land Use Summaries and List of Stakeholders by Project Zone
- Project Detail Tables by Project Zone

Note: BRL summaries by BMAP

- Land Use summaries based on load estimation tool (LET)
- Table of existing and planned projects
- Incorporating SOIRL projects
 - Credits shared between 16 municipalities in the county (based on location and population)
- Ag enrollment and cost-share now included
- SJRWMD projects now included
 - Regional projects
 - Ag cost-share projects

Table 19. Summary of land uses in Project Zone A

Level 1 Land Use Code	Land Use Description	Acres	% Total
1000	Urban	52,496	55.4%
2000	Agricultural	7,994	8.4%
3000	Upland Prairie and Shrublands	11,573	12.2%
4000	Upland Forested Areas	8,488	9.0%
5000	Water	1,514	1.6%
6000	Wetlands	8,283	8.7%
7000	Distrurbed Lands	1,213	1.3%
8000	Transportation	3,181	3.4%
Total		94,742	100.0%



Chapter 4

Compliance and Adaptive Management

4.1 Future Growth

4.2 Compliance

- Compliance based on lagoon seagrass evaluation.
- Seagrass Evaluation Results
 - In the 2013 BMAPs, all of CIRL and BIRL A were compliant.
 - Now, no project zone is compliant with both steps.
 - All areas in the IRL are being assigned reductions, unlike 2013.

Table 27. Seagrass Compliance Results, Step 1

Step 1	CIRL A	CIRL SEB	CIRL B
2006 - 2011	Pass	Pass	Pass
2007 - 2013	Pass	Pass	Pass
2009 - 2015	Pass	Pass	Pass
2011 - 2017	Fail	Fail	Fail
2013 - 2019	Fail	Fail	Fail

Table 28. Summary of Seagrass Compliance Results, Step 2

Step 2	CIRL A	CIRL SEB	CIRL B
2006 - 2011	Pass	Pass	Pass
2007 - 2013	Fail	Fail	Fail
2009 - 2015	Fail	Fail	Fail
2011 - 2017	Fail	Fail	Fail
2013 - 2019	Fail	Fail	Fail

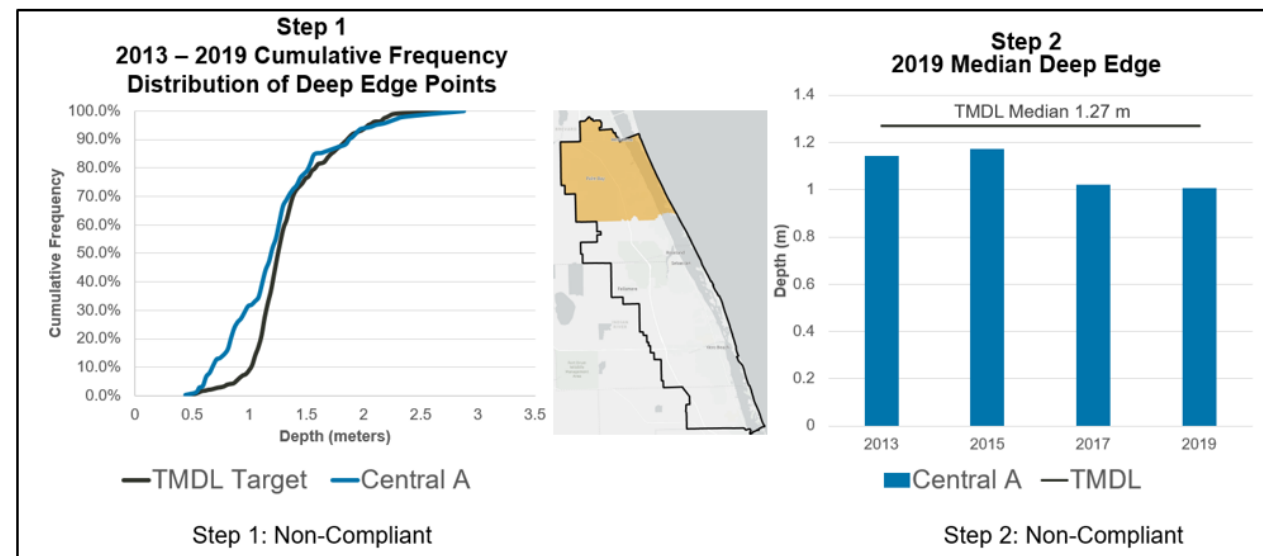


Figure 13. Central IRL Project Zone A Seagrass Evaluation Results for Compliance Step 1 and Step 2



Questions?



Statewide Annual Report (STAR)

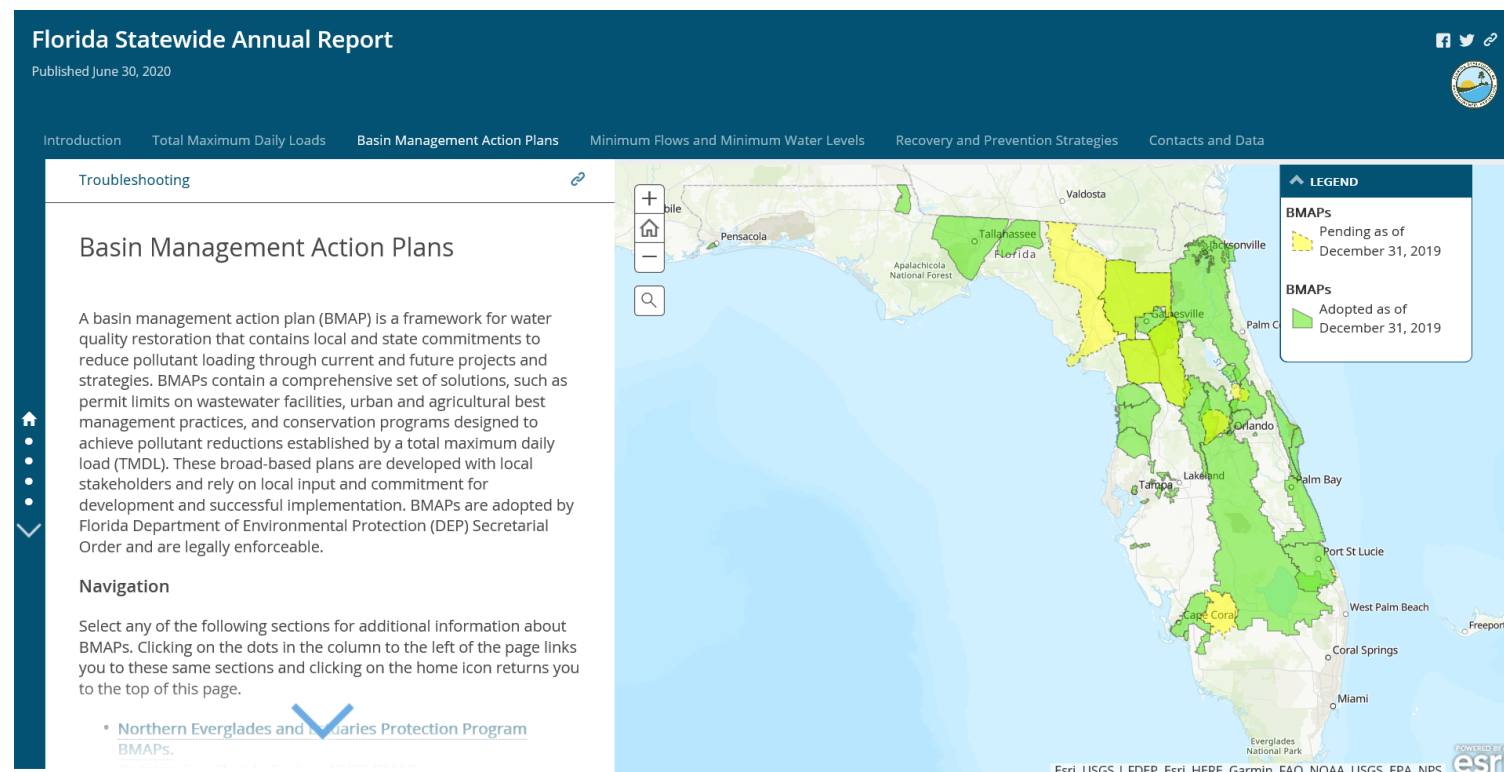
It's that time again!

- Monday, November 16th requests sent out

- Opportunity to include new/updated projects

- New things this year:

- Verification Helper
- Wishlist tab (worksheet in the workbook)
- 5-yr plan for wastewater funding (one-time request)



- Friday, January 15th information due date

<https://www.floridadep.gov/star>

Next Steps



- BMAP drafts available for comment through **December 4, 2020**
- Provide input on scope for future SWIL revisions
- Public meeting with final report revisions mid-December
- STAR project collection through **January 15, 2021**



Contact Information

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&
Banana River Lagoon (BRL)**

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Environmental Administrator: Sara Davis
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