



Good Morning!
Please sign-in by putting your name
and organization in the chat box.

Thanks!

Mobile Bay National Estuary Program Executive Committee Meeting



May 27, 2021
Google Meet Virtual





AGENDA

- Introductions/Call to Order
- Approval of Minutes
- Director's Report
 - ACTION: Approve EPA Workplan 2021-2022
- Committee Reports
 - Science Advisory
 - Project Implementation
 - Government Networks
 - Community Action
 - Business Resources
 - Community Resources
 - Finance
- Old Business
 - Dog River Trash Study
- New Business
- Other/Announcements
- Adjourn



EPA WORKPLAN 2021-2022: FUNDS AVAILABLE



	<i>Year U1: 2018-2019</i>	<i>Year U2: 2019-2020</i>	<i>Year U3: 2020-2021</i>	Year U4: 2021-2022 BUDGET
EPA Annual Appropriation	625,000	600,000	662,500	700,000
Match (Budgeted)	354,088	384,188	437,076	435,600
Total Available Budget	979,088	1,007,176	1,099,576	1,135,600

EPA WORKPLAN 2021-2022: STATUS AND TRENDS



	<i>Year U1: 2018-2019</i>	<i>Year U2: 2019-2020</i>	<i>Year U3: 2020-2021</i>	Year U4: 2021-2022 BUDGET
Estuary Status and Trends	45,000	-	25,000	85,000
EST 1: Coastal Monitoring Program	45,000		25,000	65,000
EST 2: Environmental Monitoring/ Communication				20,000
EST 3: Ecosystem Modeling, Research, Evaluation Program				

- Science Advisory Coordination
- Reserve for Additional Monitoring Needs across both counties
- State of the Bay Report

EPA WORKPLAN 2021-2022: ECOSYSTEM RESTORATION



	<i>Year U1:</i> <i>2018-</i> <i>2019</i>	<i>Year U2:</i> <i>2019-</i> <i>2020</i>	<i>Year U3:</i> <i>2020-</i> <i>2021</i>	Year U4: 2021-2022 BUDGET
Ecosystem Restoration and Protection	20,000	23,000	46,434	9,000
ERP1: Watershed Planning	20,000	18,000		
ERP 2: Watershed Implementation-D'Olive Restoration				
ERP 2: Watershed Implementation-Reserve (3MC Outreach)			11,000	
ERP 2: Watershed Implementation- Three Mile Creek Restoration		-	15,434	
ERP 2: Watershed Implementation- Lower Fish River Restoration				
ERP 3: Shoreline Stabilization, Enhancement- DI Causeway				
ERP 3: Shoreline Stabilization, Enhancement- Deer River				
ERP 3: Shoreline Stabilization, Enhancement- Fowl River Spits				
ERP 4: Invasive species Management- Three Mile Creek			15,000	
ERP 5: Access Enhancements: ADA Accessibility		5,000	5,000	9,000

EPA WORKPLAN 2021-2022: TECHNICAL ASSISTANCE



	<i>Year U1: 2018- 2019</i>	<i>Year U2: 2019- 2020</i>	<i>Year U3: 2020-2021</i>	Year U4: 2021-2022 BUDGET
Technical Assistance and Capacity Building	<i>5,000</i>	-	50,000	10,000
TAC 1: Fisheries Capacity Building			50,000	
TAC 2: Business Capacity Building				
TAC 3: Government Capacity Building				5,000
TAC 4: Green Infrastructure Capacity Building				5,000
TAC 5: Grassroots Capacity Building: Citizen Monitoring	<i>5,000</i>			

- Workshops- Hydrologic Modeling, Green Infrastructure Retrofits

EPA WORKPLAN 2021-2022: CITIZEN STEWARDSHIP



	<i>Year U1: 2018-2019</i>	<i>Year U2: 2019-2020</i>	<i>Year U3: 2020-2021</i>	Year U4: 2021-2022 BUDGET
Education and Public Involvement	74,541	94,452	43,031	44,528
EPI 1: Management Conference Support	4,000	54,000	10,000	
EPI 1: Private Sector Education Program				2,000
EPI 2: Private Sector Involvement Program				-
EPI 3: Community Education Program- Newsletter	8,000	8,000	8,000	7,000
EPI 3: Community Education Program- Signage	5,000		4,000	2,000
EPI 3: Community Education Program- Video Production/Digital Media	30,000	19,952	8,783	18,912
EPI 4: Create a Clean Water Future Campaign- Trash programming	15,041		5,000	3,616
EPI 5: Community Event Program- Special Event sponsorships	7,500	7,500	3,500	8,000
EPI 5: Community Event Program- Special Event outreach materials	5,000	5,000	3,748	3,000

- Canoe/Kayak Tours
- Newsletter
- Signage
- Bays and Bayous, Creekfest, Coastal Kids, BirdFest
- Outreach materials

EPA WORKPLAN 2021-2022: PROGRAM DELIVERY



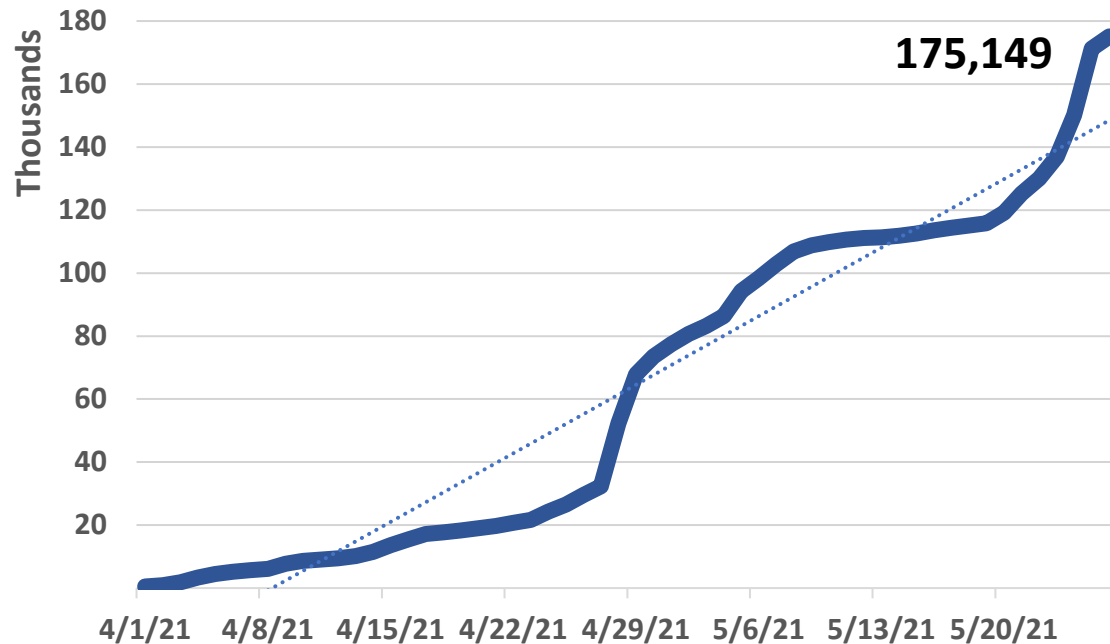
	<i>Year U1: 2018-2019</i>	<i>Year U2: 2019-2020</i>	<i>Year U3: 2020-2021</i>	Year U4: 2021-2022 BUDGET
Management and Program Administration	832,047	889,724	931,111	987,072
Program Delivery/Operation	707,601	758,353	789,644	838,950
Indirect Charges	124,446	131,371	141,467	148,122
<i>Total EPA Budget</i>	976,588	1,007,176	1,095,576	1,135,600

- CCMP Update/Revision/Rewrite

SOCIAL MEDIA REACH

- We have focused on a new, mission-based, values-focused messaging strategy on social media that uses common values language and photos to elicit support across our coverage area.
- Growth is 90% organic, 10% driven by sponsored content
- The MBNEP's message is now reaching most of coastal Alabama.

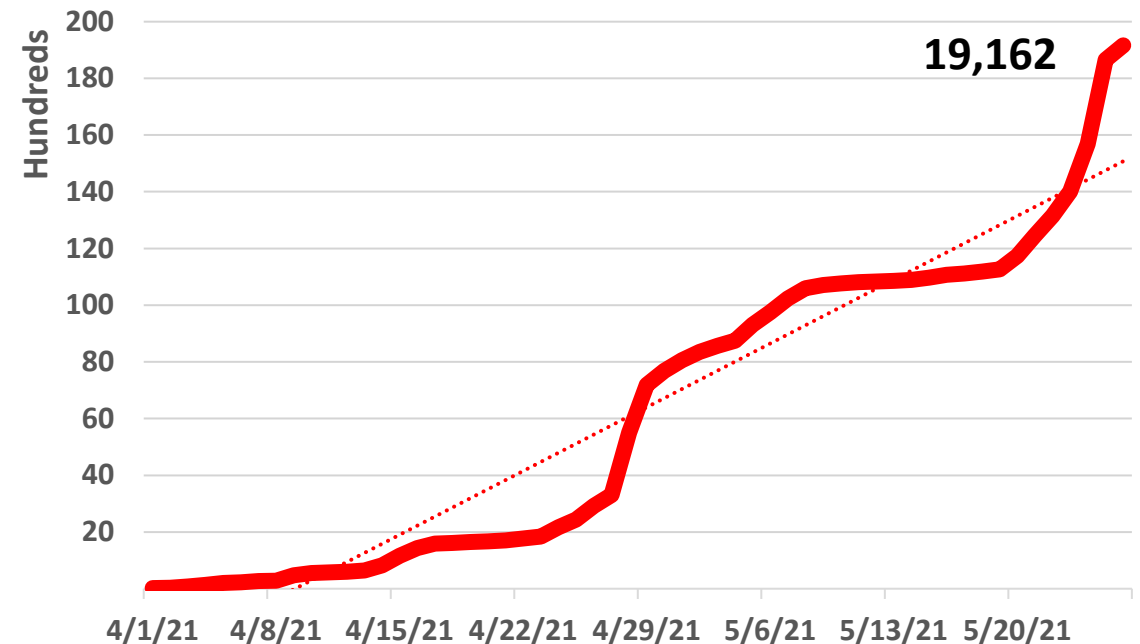
Cumulative Unique Growth, April 1 – May 26



In the last four weeks



Cumulative Unique Engagement, April 1 – May 26



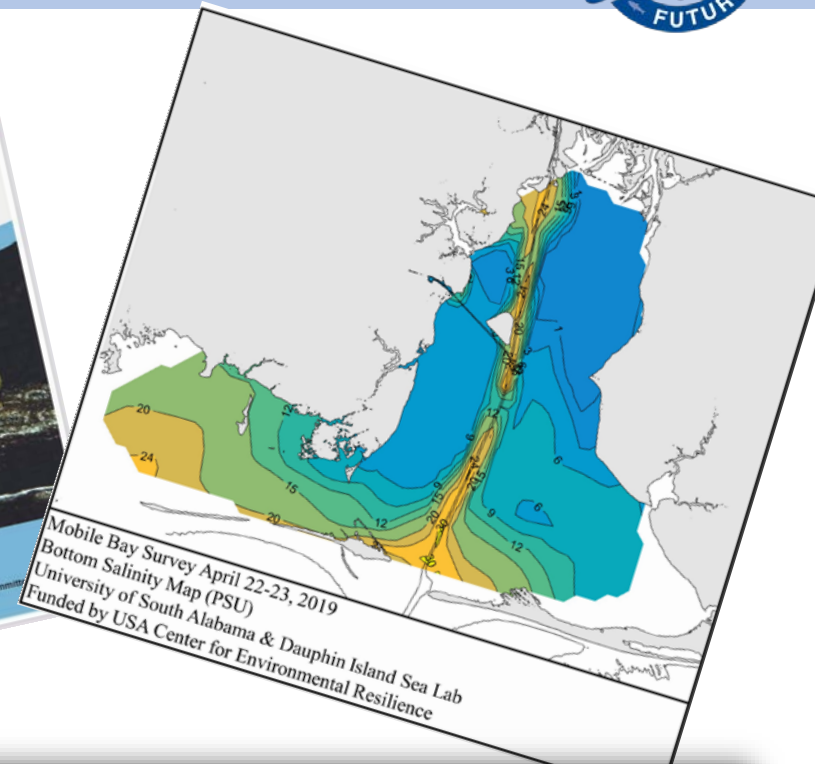
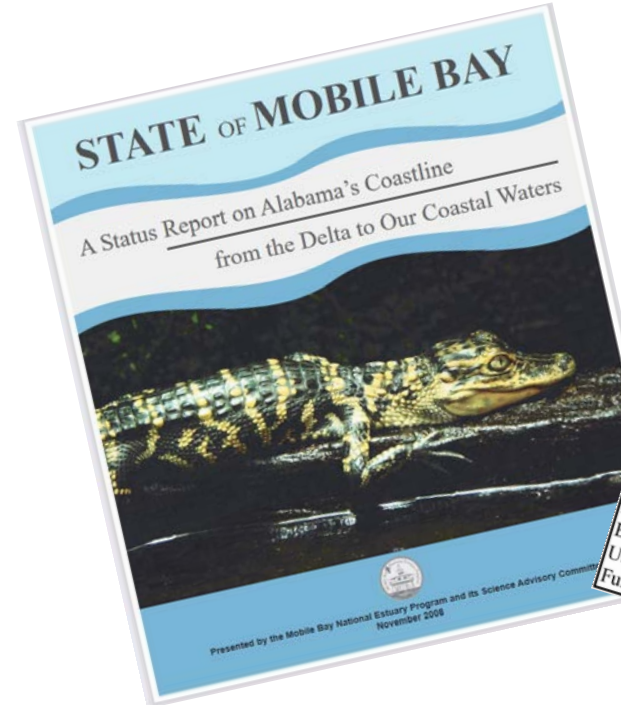
SCIENCE ADVISORY COMMITTEE



SAC Meeting: May 21, 2021

- Welcomed additional members to the SAC to diversify expertise and incorporate social sciences
- Discussed development of an updated State-of-the-Bay report to inform potential update/extension of CCMP
- Heard updates on Decadal study; SAC members solicited for potential modeling needs going forward
- Sewage spill scenario for Stressor Matrix

~40 virtually attended



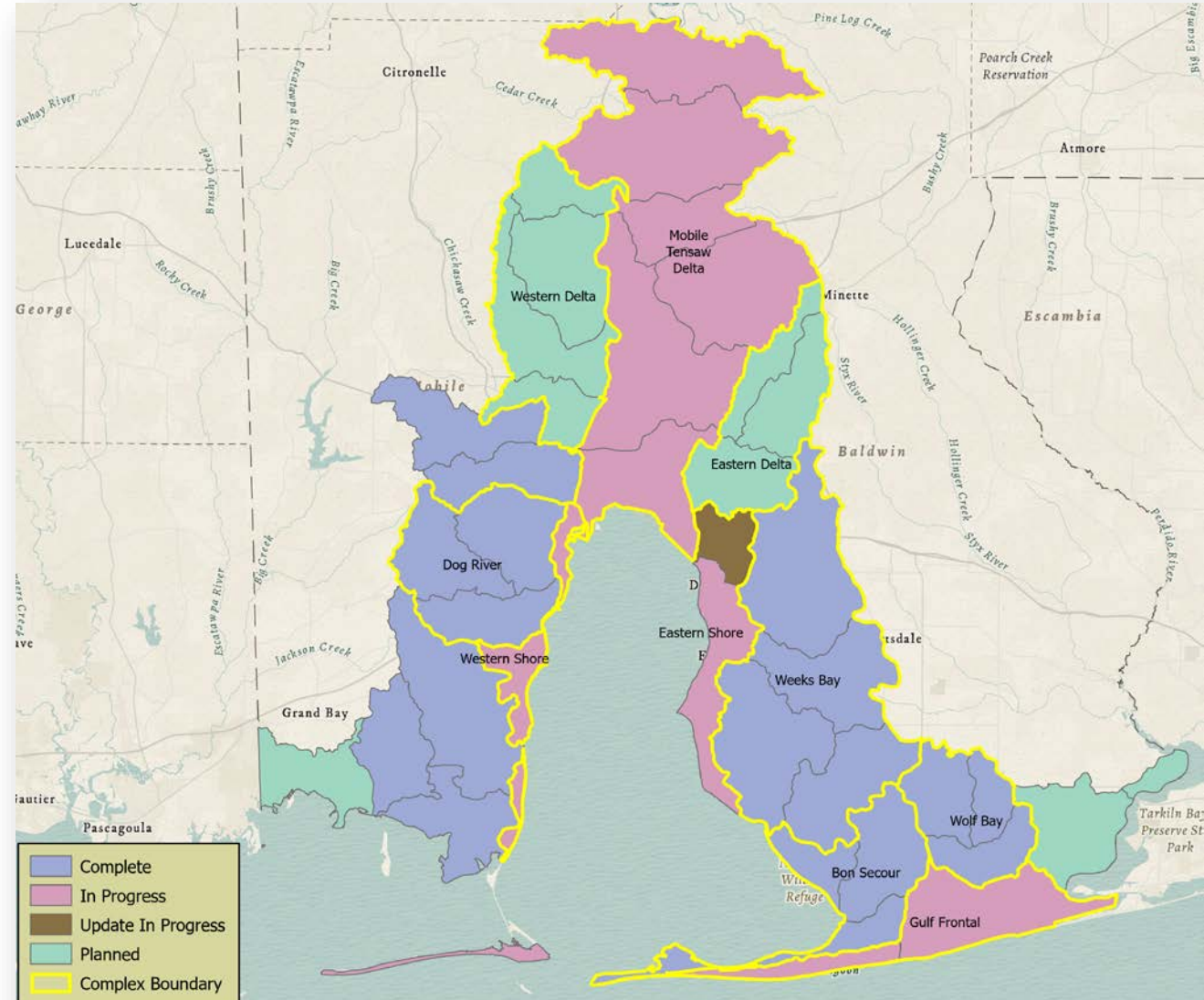
Impacted Habitats	CCMP Values	Ecosystem Services	Event/Response		
			Stressor	Stressor	Stressor
Estuaries	ACCESS				
Estuaries	WILDLIFE				
Estuaries	HERITAGE				
Estuaries	BEACHES				
Estuaries	RESILIENCE				
Shoreline	ACCESS				
Shoreline	WILDLIFE				
Shoreline	HERITAGE				
Shoreline	BEACHES				
Shoreline	RESILIENCE				

PROJECT IMPLEMENTATION COMMITTEE

PIC Meeting: May 20, 2021

- Reviewed a draft Shoreline Projects Monitoring Inventory MBNEP is developing – continue to foster SAC/PIC collaboration.
- Partners and MBNEP restoration updates were shared.
- PIC will hold off-cycle topical meeting later this year

~64 virtually attended





MBNEP Restoration Update



Deer River Marsh





LEGEND

Upland loss between 1997 and 2019 (32.4 Ac)

1997 Shoreline

2019 Shoreline

0 500 1,000 Feet



1997 Shoreline based on City of Mobile 1997 Imagery, 2019 Shoreline based on Google Earth "Geotagged" 2019 Imagery
 Basemap: 2019 Google Earth "Geotagged" Imagery (November)

"Geotagging" defines the location of a non-spatial dataset in existing spatial data (target data) that enables a map coordinate system using a series of ground control points. Control points are locations that can be accurately identified on the raster dataset and in real-world coordinates. Due to the nature of geotagging and the accuracy of control points and resulting warping of the original raster, the geotagged image varies in accuracy.

MOBILE BAY NATIONAL ESTUARY PROGRAM
 DEER RIVER COASTAL MARSH
 STABILIZATION AND RESTORATION
 MOBILE COUNTY, ALABAMA



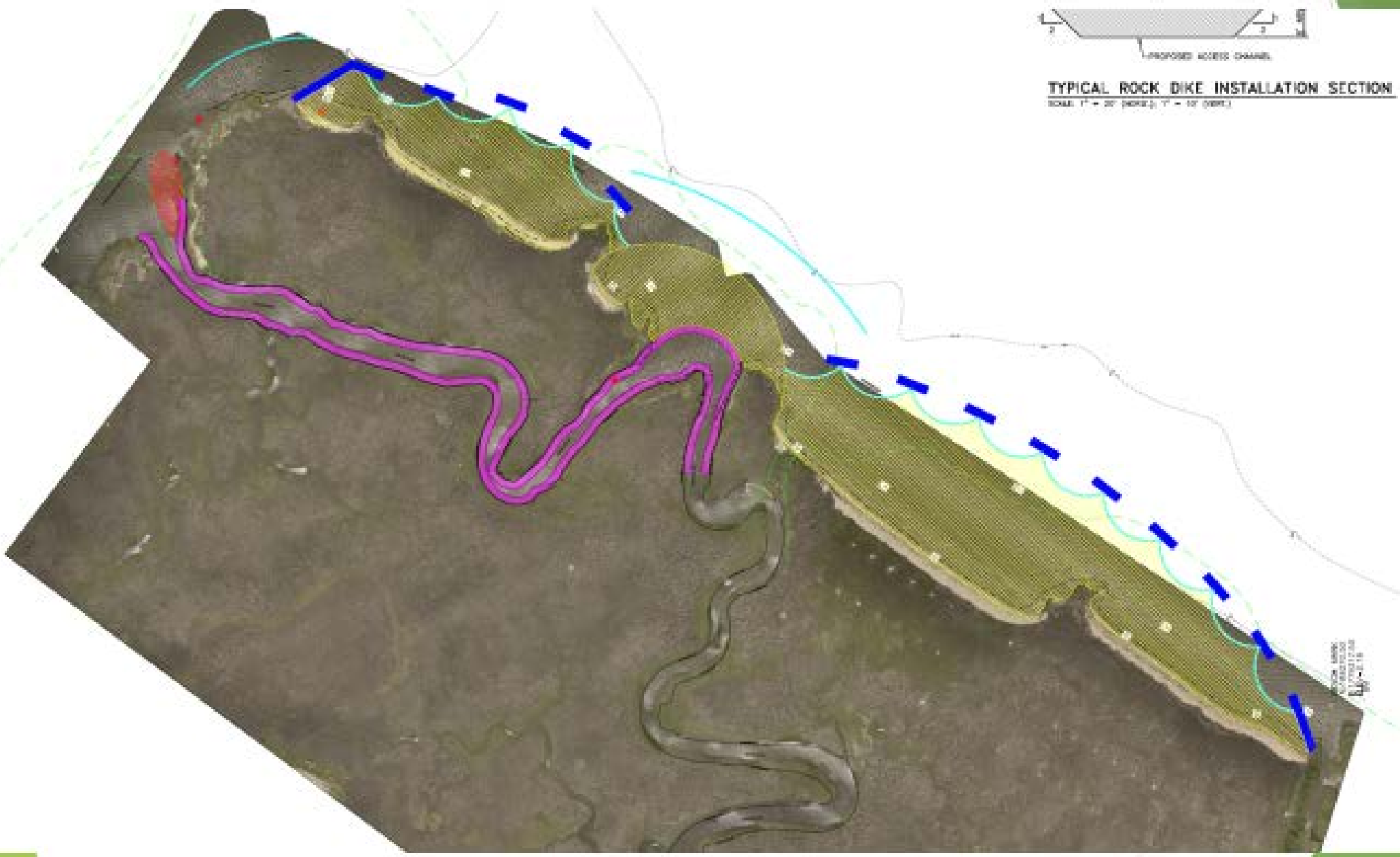
UPLAND AREA LOSS BETWEEN
 1997 AND 2019

PROJECT NO.
 19-1101-0184

DATE
 MARCH 2021



TYPICAL ROCK DIKE INSTALLATION SECTION
 SCALE: 1" = 20' (HORIZ); 1" = 10' (VERT.)



- LEGEND**
- 1875 SHORELINE
 - ROCK DIKE STABILIZATION (1,000-LP)
 - POCKET ROCK DIKE STABILIZATION (1,000-LP)
 - PROPOSED ROCK DIKE STABILIZATION (1,000-LP)
 - PROPOSED ACCESS CHANNEL
 - EXISTING S.W.
 - MEAN HIGH WATER (ELEV. 0.0' MVD 1988)
 - PROPOSED ROCK DIKE STABILIZATION (1,000-LP)
 - AERIAL PHOTO FROM 2010 ORANGE FLIGHT



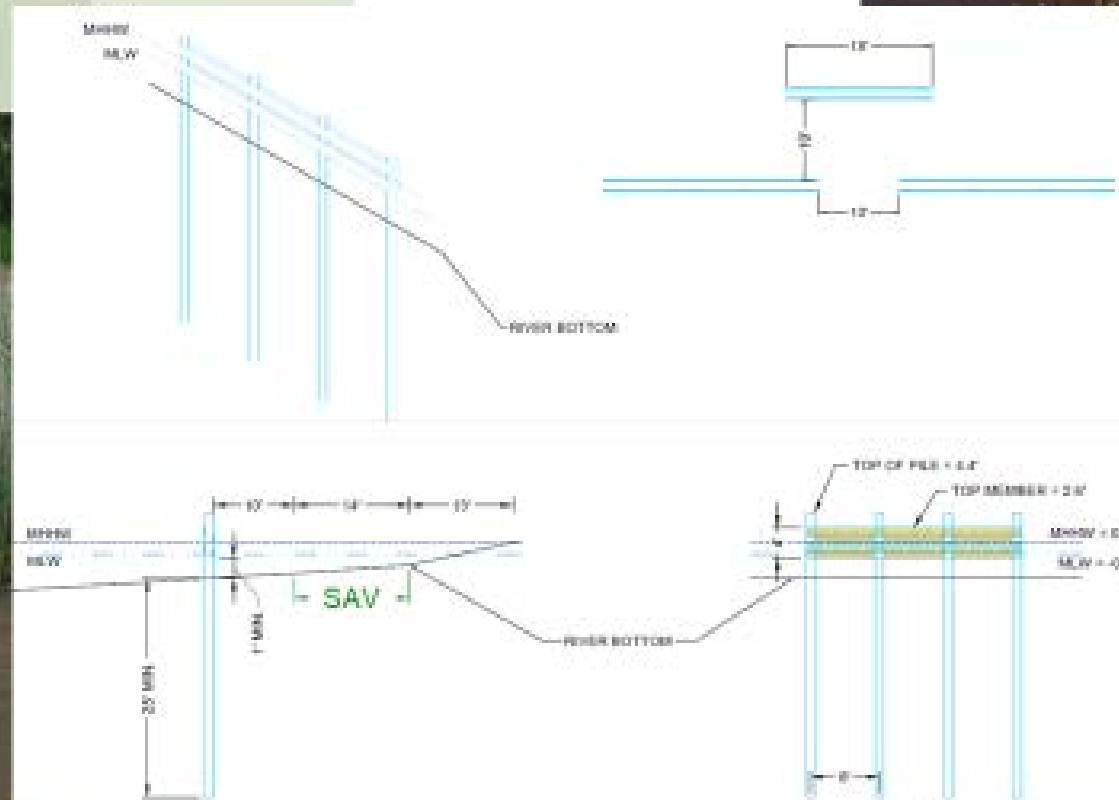
Fowl River Spits

Phase 1 - Construction

- Account for the effects of the last 50 years of SLR and the next 20-25 years of projected SLR in two separate thin-layer placement events
- All five spits receive 6-to-8-inch layer of sediment
- Shoreline stabilization critical areas

Phased 2 - Adaptive Management

- Monitor vegetation recovery and adjust design for thin layer placement thickness in subsequent events
- Augment shoreline stabilization structures based upon monitoring results

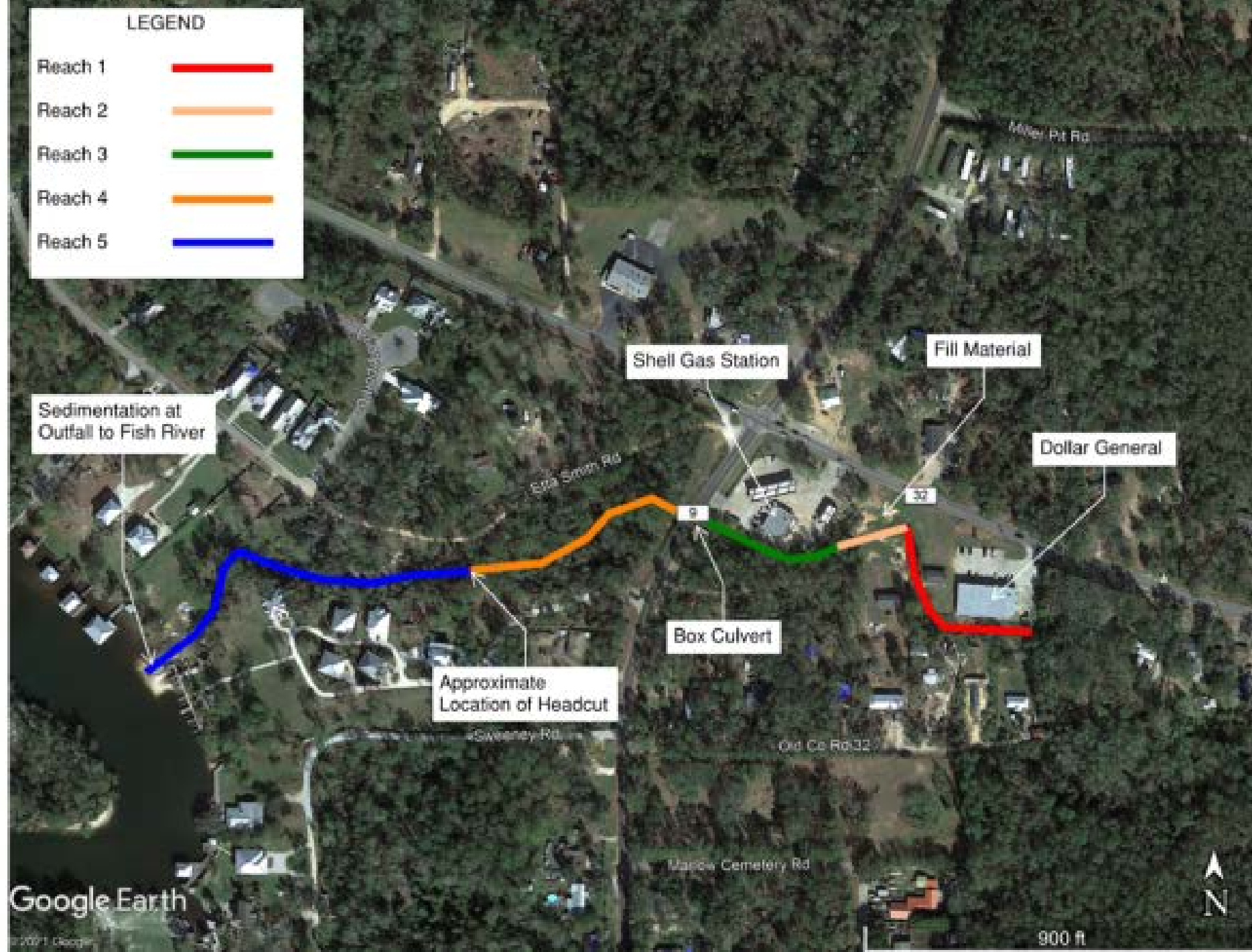


Lower Fish River



Marlow

- ▶ LOA 95% signed for E&D
- ▶ Draft Alternatives Analysis delivered
- ▶ Moving design forward



Three Mile Creek Implementation



- **12MC Headwaters Restoration**

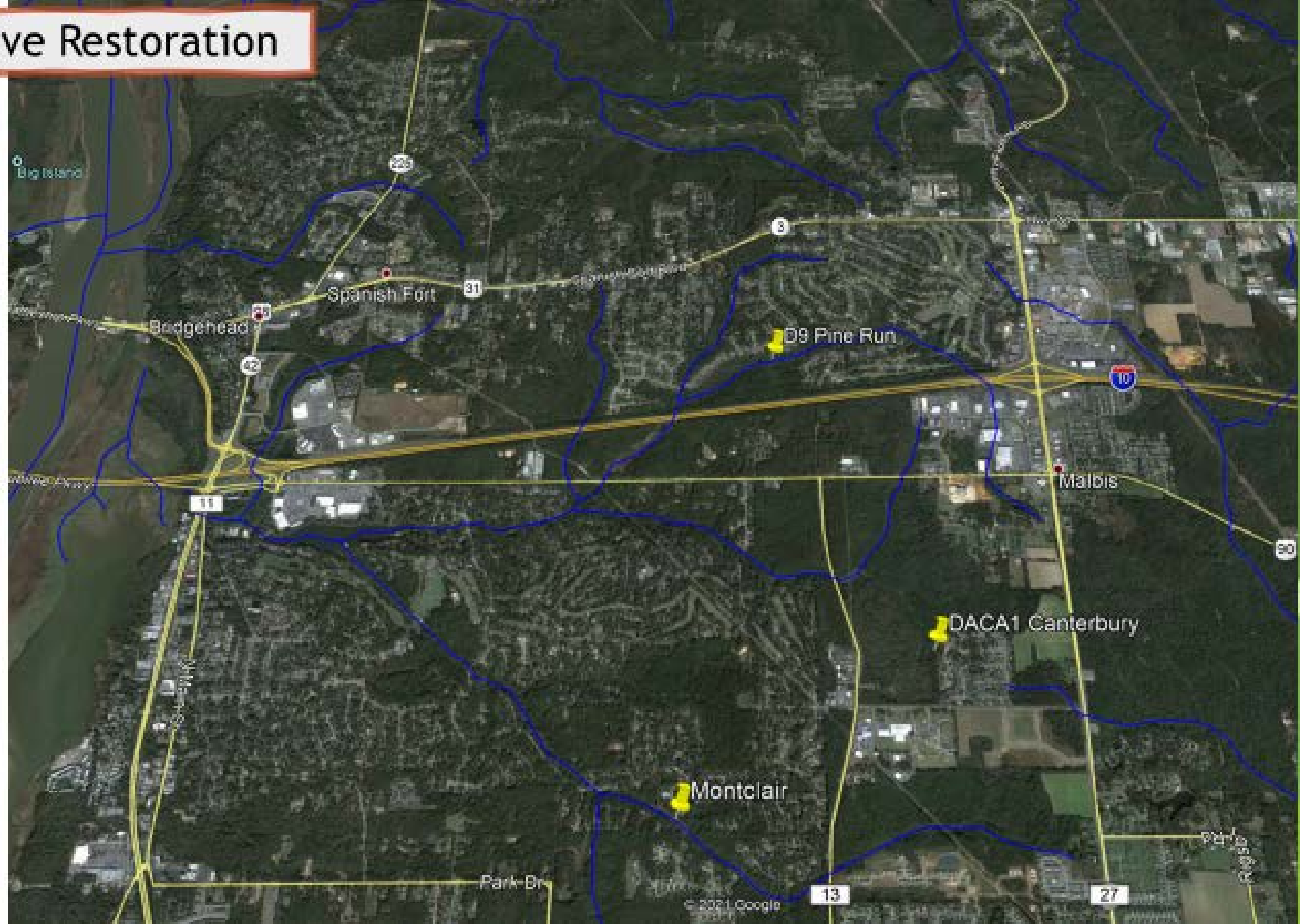
- Stabilize and restore 1,800 linear feet
- Construction underway, wrapping up June/July
- Planting to follow in dormant season (Dec/Jan)

- **Invasive Species**

- Langan Park Lake apple snail eradication underway
 - Osprey removing eggs and adults
 - American Sportfish applying herbicide and molluscicide treatments
- One Mile Creek Popcorn tree control
 - May 1st, MBNEP, Osprey, SCA staff
 - >100 popcorn trees treated experimentally with herbicide



D'Olive Restoration





GOVERNMENT NETWORKS COMMITTEE



GNC Meeting: May 27, 2021

- State and Federal partners gave agency updates
- Updated on the status of watershed plan development and implementation
- Reviewed innovative wastewater treatment optimization program from EPA

22 virtually attended



CAC Meeting: April 13, 2021

Guest Speaker: Jennifer Haslbauer - ADEM Water Division

- **Topic:** Citizen Water Quality Reporting
 - Why, When, and How to Report
 - Indicators of water quality issues & how to investigate
 - Which agency to report to including reporting steps
 - Accepted sampling protocols

Guest Speaker: Mai Fung - Dauphin Island Sea Lab, PhD Student

- **Research Update:** Eutrophication in Weeks Bay
 - Investigating causes of eutrophication, how it is expressed within the system, and how it may be expressed in the future
 - Gathering feedback from the CAC to understand citizens concerns regarding eutrophication

18 virtually attended



Upcoming CAC Meetings:

- July 13, 2021
- October 12, 2021

BUSINESS RESOURCES COMMITTEE



BRC Meeting: May 12, 2021

Ongoing Projects

- Dauphin Island Oyster Project Update
- Alabama Oysters Marketing Update
- Coastal Alabama Fisheries Fund Update

Tours

- Grand Bay Oyster Park Boat Tour

Next Steps

- Input from each member on direction of committee, new projects, and new tours
- August Meeting in Person

15 virtually attended



COMMUNITY RESOURCES COMMITTEE



CRC Meeting: May 25, 2021

- With loss of one of the Community Resource Committee Co-Chairs, CRC members were surveyed to determine the committee's strengths, weaknesses, opportunities, and threats.
- The CRC met virtually to discuss the survey and chart a path forward to ensure productive implementation of the CRC.
- There was consensus that maintaining operation of the CRC has value.
- The next CRC meeting, scheduled in early August, will be facilitated to chart a path for education and advocacy towards successful implementation of CCMP TAC and EPI strategies.



virtually attended

FC Meeting: April 16, 2021

- Overview of financial strategies
- Collective impact of the NEP
- Current funding and sponsorships
- Goals and Objectives of the Finance Committee
- Agreed on monthly meetings

Target	Secure	Grow	Expand	Establish	Build
Target key stakeholders to educate about the MBNEP and its successes and needs	Secure community investment equivalent to a minimum of 10% of project costs	Grow annual program investments for the next five-year period from at least 5 new communities	Expand annual program investments by 30% from existing communities where WMP implementation is under way	Establish a restoration fund of \$100,000 within 3 years for providing non-federal match with a focus on the private sector	Build a revolving loan fund to support private sector investment in best management practices for reducing stormwater runoff and/or supporting local fishing interests

OTHER

ANNOUNCEMENTS

❖ MBNEP Summer Social
June 3, 2021

❖ Three Mile Creekfest
June 12, 2021

ADJOURN

