BALDWIN COUNTY, ALABAMA

Planning and Zoning Department

May 22, 2026

Melanie N. Ratcliffe
MS4 Section
Stormwater Management Branch, Water Division
Alabama Department of Environmental Management
PO Box 301463
Montgomery, Al 36130-1463

Re: Baldwin County's 2025-2026 Phase II MS4-Annual Report and SWMPP Update

Dear Ms. Ratcliffe,

I have attached the County's 2025/2026 MS4 Phase II Annual Report-Goals and Achievements Compliance Spreadsheets, SWMPP MCM Evaluations and SWMPP Update for your review. If you have any questions, please give me a call.

Sincerely,

Ashley Campbell

Ashley Campbell
Baldwin County Planning & Zoning Department
Natural Resource Planner
201 East Section Ave
Foley, AL 36535
ashley.campbell@baldwincountyal.gov
Office: 251-580-1655 Ext 7260
Cell: 251-423-3632

BALDWIN COUNTY, ALABAMA

Planning and Zoning Department

Storm Water Management Program (SWMP) Plan

Permit Cycle
2021-2026

NPDES Permit No. ALR040042

April 1, 2022

Updated 05/21/2026

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1. Program Administration

1.1. Introduction

In 1990, the U.S. Environmental Protection Agency (EPA) promulgated regulations establishing Phase I of the National Pollutant Discharge Elimination Systems (NPDES) storm water program. The Phase I program for municipal separate storm sewer systems (MS4s) requires operators of "medium" and "large" MS4s that generally serve populations of 100,000 or greater to implement a storm water management program as a means to control polluted discharges from certain municipal, industrial, and construction activities into the MS4.

In 1999, EPA promulgated regulations establishing Phase II of the NPDES storm water program. The Phase II program extends coverage of the NPDES storm water program to regulated "small" MS4s. A regulated "small" MS4 is located within an "urbanized area" as defined by the Census Bureau or as designated by the NPDES permitting authority.

The Alabama Department of Environmental Management (ADEM) presently has primary jurisdiction over permitting and enforcement of the storm water program for Alabama. In November 2011, Baldwin County submitted a request to ADEM to be re-designated from a Phase I MS4 to a Phase II MS4. On December 22, 2011, ADEM granted this request and issued coverage under the MS4 Phase II General Permit (NPDES Permit Number ALR040042-baldwin-county-ms4-phii-npdes-permit-alr-40042.pdf (baldwincountyal.gov) for storm water discharges associated with the Baldwin County MS4.

The Storm Water Management Program Plan (SWMPP) has been developed to generally describe the County's efforts to maintain compliance with the requirements of NPDES Permit ALR040042. This document is intended to be a dynamic document and shall be revised as needed to accurately reflect the County's activities in implementing its SWMP.

1.2. Legal Authority

1.2.1. Zoning Ordinance

On August 8, 1991, the Baldwin County Planning and Zoning Act (Act No. 91-179), Code of Alabama §45-2-261 was passed by the Alabama State Legislature. This legislation, and its subsequent amendments, provide the basic framework for the

County's growth management activities and required the development and maintenance of a master plan for the use and development of unincorporated Baldwin County. The Baldwin County Planning and Zoning Act authorized the County Commission to:

- Create Baldwin County Planning and Zoning Commission;
- Create Board of Adjustment;
- Create planning districts within unincorporated areas of the County;
- Allowed zoning within planning districts that vote their desire to come under the County planning and zoning authority; and,
- Required the development and maintenance of a "master plan".

On April 6, 1999, the County Commission adopted the Baldwin County Zoning Ordinances. A copy of the Baldwin County Zoning Ordinances can be found on the County's website at the following link: Baldwin County Zoning Ordinance (as amended May 20, 2025). It was most recently amended on March 18, 2025.

The Zoning Ordinance is in force and effect in the planning districts established in Baldwin County in compliance with the requirements of Act 91-719, as amended, which elect to come within the planning and zoning authority of the Baldwin County Commission. Currently the County has zoning authority of approximately 19.0 mi^2 of the land located within the MS4 Area. The areas where the County has zoning authority within its MS4 Area are shown in **Figure1-1**.

1.2.2. Subdivision Regulations

On January 7, 2025, the County Commission adopted the latest revisions to the Subdivision Regulations. These Subdivision Regulations establish procedures and standards for the development of subdivisions or proposed additions to existing subdivisions within the subdivision jurisdiction of Baldwin County to regulate the minimum lot size, the design, planning and construction of all public streets, public roads, drainage structures, and require the proper placement of public utilities. Recent stormwater management updates to the ordinance include the following:

- 30' Natural wetland buffers - 5.2.2(d);
- Wetland natural buffer signage - 5.2.2(h);
- Effect on downstream drainage area analysis – 5.11.2 (f); etc.
- Stormwater first flush requirements - 5.11.2(g);
- Low Impact Development techniques for lots that are 80' feet or less in width - 5.11.3;

- Stormwater management facility Operation and Maintenance Plans with required inspections - 5.12.1.

A copy of the Baldwin County Subdivision Regulations can be found on the County's website at the following link: Baldwin County Subdivision Regulations (as amended January 7, 2025)

1.2.3. Flood Damage Prevention Ordinance

On April 19, 2019, the County Commission adopted the latest revisions to the Flood Damage Prevention Ordinance. The purpose of this ordinance is to promote the public health, safety, and general welfare, and to minimize public and private losses due to flood conditions in specific areas of provisions designed to:

- Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction;
- Restrict or prohibit uses which are dangerous to health, safety, and property due to water or erosion hazards, or which increase flood heights, velocities, or erosion;
- Control filling, grading, dredging, and other development which may increase flood damage or erosion;
- Prevent or regulate the construction of flood barriers which will unnaturally divert flood waters, or which may increase flood hazards to other lands; and,
- Control the alteration of natural flood plains, stream channels, and natural protective barriers which are involved in the accommodation of flood waters.

A copy of the Flood Damage Prevention Ordinance can be found on the County's website at the following link: Flood Zone Information (baldwincountyal.gov).

1.2.4. Land Disturbance Ordinance for Flood Prone Areas or Territories with Probable Exposure to Flooding

On November 16, 2021, the County Commission adopted the Land Disturbance Ordinance for Flood Prone Areas or Territories with Probable Exposure to Flooding in Unincorporated Baldwin County, AL. The purpose of this ordinance is to promote public health, safety, and general welfare and to minimize public and private losses on land with probable exposure to flooding, pursuant to Alabama Code 11-19-4 by land use provisions designed to:

(1) control filling, grading, dredging and similar land disturbance activities which may increase flood damage or erosion;

(2) prevent or regulate the construction of flood barriers which will unnaturally divert floodwaters, or which may increase flood hazards to other lands; and,

(3) control the alteration of natural floodplains, stream channels, and natural protective barriers which are involved in the accommodation of flood waters.

This ordinance's jurisdiction is the un-zoned areas of Baldwin County. A copy of the Land Disturbance Ordinance for Flood Prone Areas or Territories with Probable Exposure to Flooding in Unincorporated Baldwin County, AL can be found on the County's website at the following link: Land Disturbance Ordinance for Flood Prone Areas or Territories (as adopted September 7, 2021) (baldwincountyal.gov).

1.2.5. Baldwin County Master Plan 2023

In accordance with Act No. 91-719 (Codified at Section 45-2-261, et seq., Code of Alabama 1975) the Baldwin County Planning and Zoning Commission prepared, and the Baldwin County Commission adopted, the Baldwin County Master Plan – 2013. According to the Act, the County Commission "shall appoint the Planning Commission to make and maintain in an up-to-date manner, a Master Plan for the physical development of the unincorporated areas of Baldwin County. The Master Plan with accompanying maps, plats, charts, and descriptive material shall show the Planning Commission's recommendations for the use and development of the unincorporated area of Baldwin County".

The Master Plan consists of seven chapters covering topics such as implementation, composition, intergovernmental relations, parks and recreation, and historic preservation. Maps incorporated into the plan include Planning Districts, Current Zoning, Future Land Use, School Locations, Parks and Public Access, and Fire Districts. The final chapter of the Master Plan deals with revision and amendment. The plan is intended to be a living document. As such, it is proposed to be reviewed annually to determine if revisions and amendments are warranted due to changing conditions. The first review would take place within six months of initial adoption. A second review would be conducted six months later, and subsequent reviews would take place on an annual basis. With regard to future land use, the plan initially calls for non-binding future land use designations in the Planning Districts which have voted their desire to come under the Planning and Zoning authority of the Baldwin County Commission. Future land use designations

for specific planning areas and un-zoned Planning Districts could be applied during review and amendment processes.

In preparing the Master Plan, the Planning Commission held eight work sessions and two public hearings. The first public hearing was held on July 11, 2013, for the purpose of obtaining public comment. The second public hearing was held on August 1, 2013; at that time, the Planning Commission voted unanimously to recommend approval of the Baldwin County Master Plan – 2013 to the County Commission. The vote of the Planning Commission served as its final report to the Baldwin County Commission for the adoption of the Master Plan.

The first public hearing was held before the Baldwin County Commission on September 3, 2013. The second and third public hearings were held September 17, 2013, and October 1, 2013, with adoption occurring at the October meeting. The Master Plan will be studied for revisions beginning in April 2014.

In 2021, the County started the process of updating the Master Plan. Several public meetings have been held. The Plan update was completed in July of 2023.

A copy of the current Baldwin County Master Plan – 2023 Our Vision – A Citizens Guide to Growth in Zoned Areas of Baldwin County can be found on the County's website at the following link: 2023-07-18-approved-final-master-plan.pdf (baldwincountyal.gov).

1.2.6. Legislative Act 2005-200

On May 26, 2005, the Alabama Legislator passed Act Number 2005-200 known as "The Alabama Limited Self-Governance Act". This act expands the authority of counties to regulate activities that may create a nuisance to include:

- Weeds;
- Litter or rubbish;
- Animals and animal nuisances;
- Junkyards;
- Noise;
- Unsanitary sewage; and,
- Pollution creating a public nuisance.

The act also restricts the powers of a county commission and prohibits the following activities as they relate to a nuisance:

- Authority to levy or collect any tax;

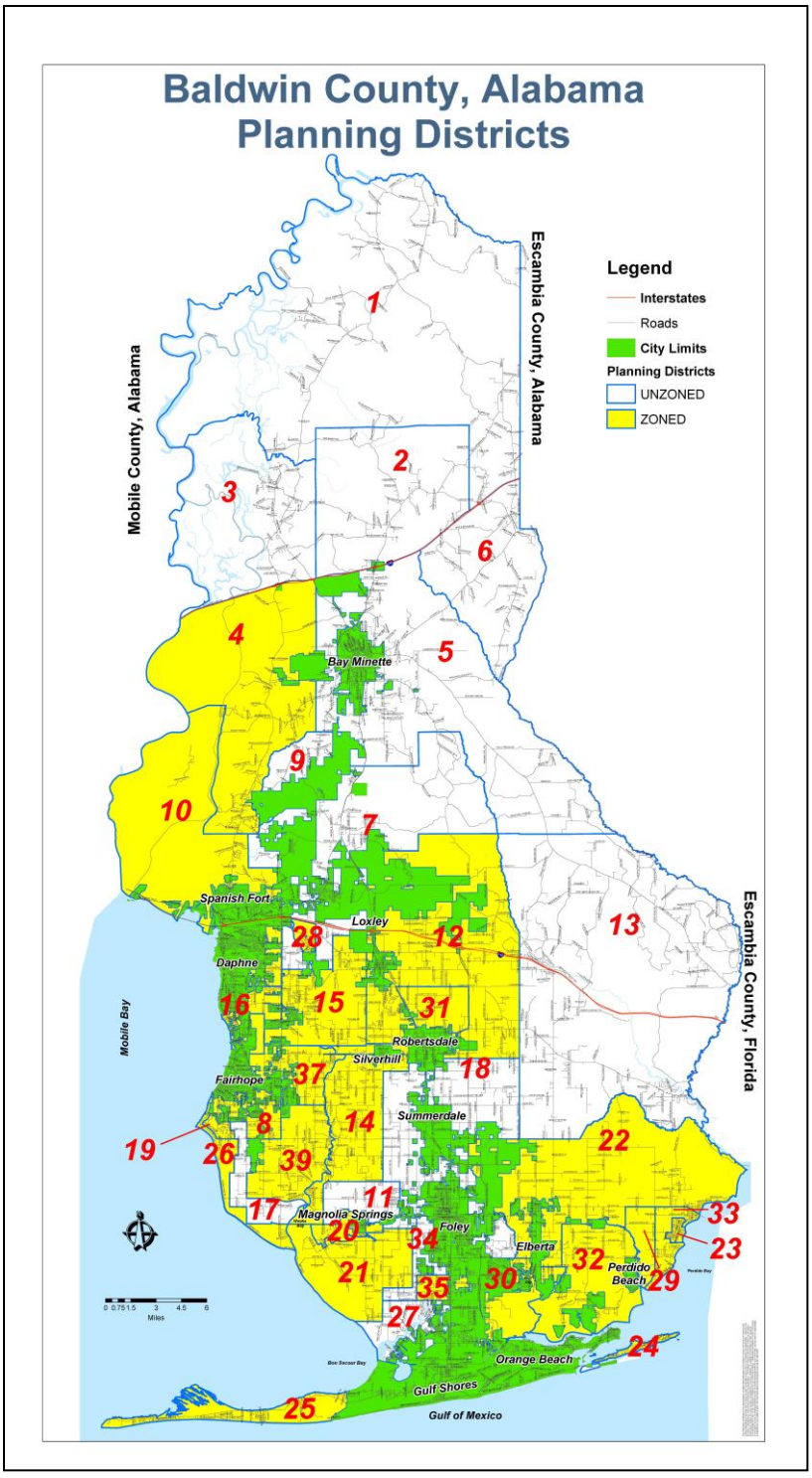
- Regulation over any business activities regulated by the Federal Surface Transportation board, the Public Service Commission, the Department of Agriculture, and Industries, or the Alabama Department of Environmental Management;
- Action affecting any court;
- Action affecting any public school system;
- Action affecting pari-mutuel betting facility;
- Action affecting the private or civil law governing private or civil relationships;
- Action extending the power of regulation over the construction maintenance, operation or removal of facilities used in the generation, transmission, or distribution of water, sewer, gas, telecommunications, or electric utility services;
- Action affecting the rights granted to an agricultural, manufacturing, or industrial plant or establishment, or farming operation;
- Action affecting or enforcing environmental easements; and,
- Action restricting or regulating surface mining or underground mining activities that have been granted federal or state permits.

Since Baldwin County has limited legal authority to implement and/or enforce some requirements of the NPDES permit, the County may rely upon State programs to assist in the implementation and enforcement of its SWMP Plan.

A copy of The Alabama Limited Self Governance Act is provided at the following link: Bill Search | Alabama Legislature .

On June 21, 2022, the Baldwin County Commission adopted Resolution #2022-110 calling for a local referendum to be held on the question of whether the health and safety powers authorized in Ala. Code § 11-3A-1 et seq. shall be effective in Baldwin County, with such referendum to be held during the General Election on November 8, 2022. The referendum failed limiting the County's legal authority in unincorporated Baldwin County.

Figure1-1
Planning Districts



1.3. SWMP Revision

Revisions to the SWMP Plan shall be documented in Table 1-1.

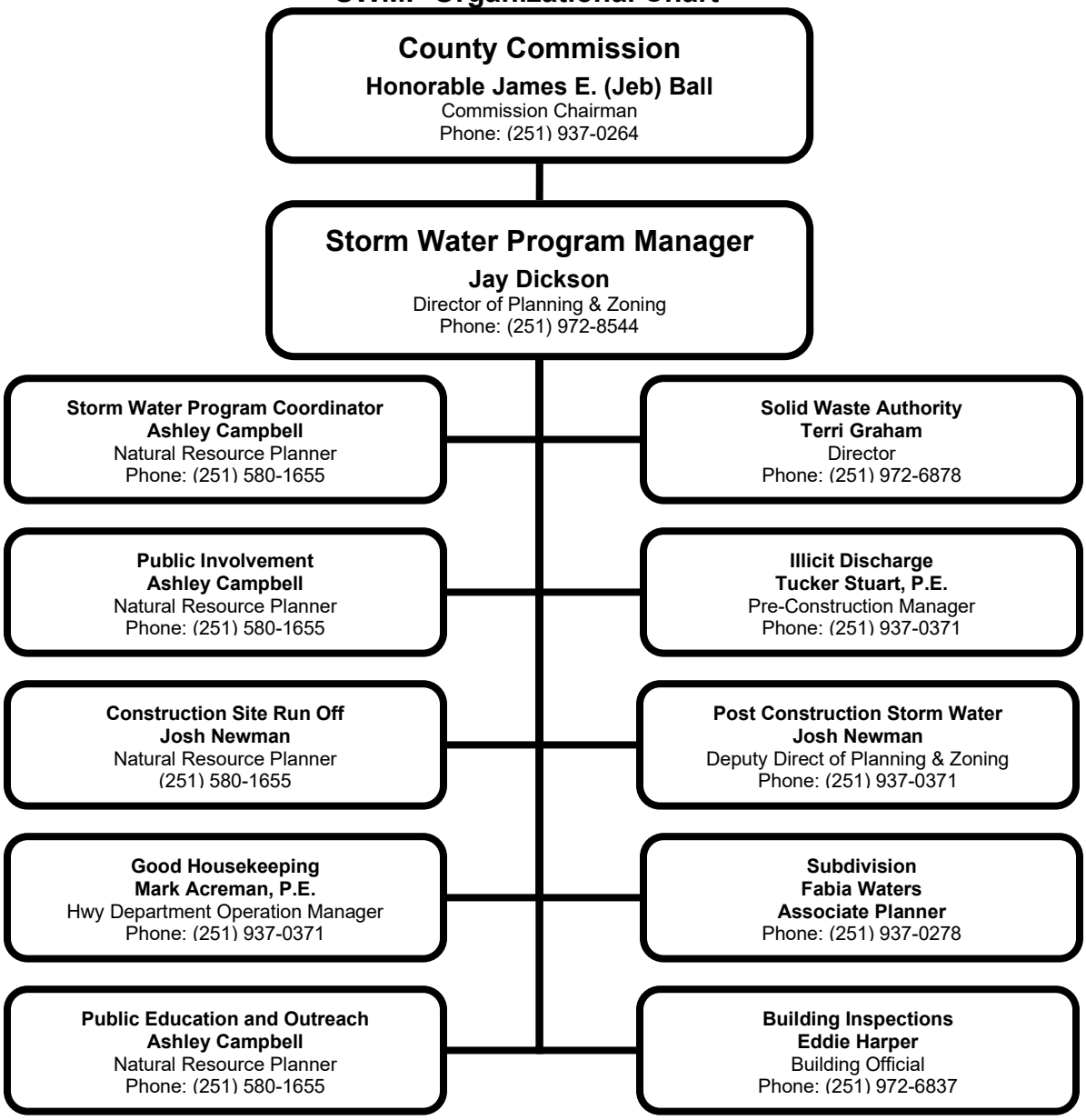
Table 1-1
SWMP Revision Record

Date:	Revised By:	Description of Revision:
21 June 2012	Hydro Engineering Solutions, LLC	Initial Storm Water Management Program (SWMP) Plan (Redesignated from a Phase I MS4 to a Phase II MS4)
31 March 2013	Baldwin County Commission	Annual SWMP Plan Review and Update
31 March 2014	Baldwin County Commission	Annual SWMP Plan Review and Update
31 March 2015	Baldwin County Commission	Annual SWMP Plan Review and Update
31 March 2016	Baldwin County Commission	Annual SWMP Plan Review and Update
31 March 2017	Baldwin County Commission	2016-2021 SWMP Plan Update & Annual Report
31 March 2018	Baldwin County Commission	Annual SWMP Plan Review and Update
31 March 2019	Baldwin County Commission	Annual SWMP Plan Review and Update
31 March 2020	Baldwin County Commission	Annual SWMP Plan Review and Update
31 March 2021	Baldwin County Commission	Annual SWMP Plan Review and Update
31 March 2022	Baldwin County Commission	2021-2026 SWMP Plan Update (Planning & Zoning)
30 May 2023	Baldwin County Commission	Annual SWMP Plan Review and Update
29 May 2024	Baldwin County Commission	Annual SWMP Plan Review and Update
28 May 2025	Baldwin County Commission	Annual SWMP Plan Review and Update
21 May 2026	Baldwin County Commission	Annual SWMP Plan Review and Update

1.4. Program Administration

The County's general organizational structure for administrating its SWMP Plan is provided in Figure 1-2. The specific organizational structure associated with implementation of each program element is described in the following sections.

Figure 1-2
SWMP Organizational Chart



1.5. Signatory Requirements

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Jay Dickson
Name

Director of Planning & Zoning
Title

Signature

05/22/2026
Date

Address: Baldwin County Commission
Baldwin County Administration Building
312 Courthouse Square, Suite 12
Bay Minette, Alabama 36507

Phone: (251) 937-0264

Fax: (251) 580-2500

2.1. Baldwin County

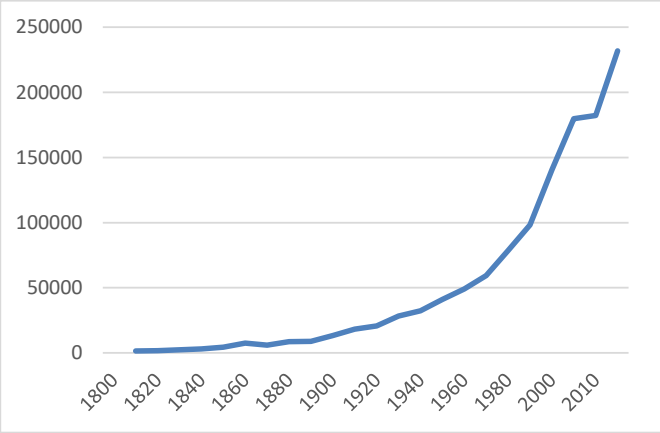
Baldwin County is located in southwest Alabama and borders Mobile Bay and the Gulf of Mexico. The County occupies approximately 2,026.93 square miles that consists of approximately 1,596.35 square miles of land and 430.58 square miles of water. Metropolitan areas located within Baldwin County are listed in Table 2-1.

Table 2-1
Metropolitan Areas

- Bay Minette
- Daphne
- Elberta
- Fairhope
- Foley
- Gulf Shores
- Loxley
- Magnolia Springs
- Orange Beach
- Perdido Beach
- Robertsdale
- Silverhill
- Spanish Fort
- Summerdale

Since the 1900's, Baldwin County has experienced a steady increase in population. Figure 2-1 provides a graph showing the historical population of Baldwin County since 1900.

Figure 2-1
Historical Population



The 2020 Census estimated the total population of Baldwin County to be 231,767. As compared to the population in 2000, Baldwin County has experienced a population increase of 49,502 (approximately 21%) over the past 10 years.

Baldwin County is located in a humid subtropical region that is typical of the Gulf Coast. Summers are characteristically warm and humid while the winters are relatively mild. Precipitation from a combination of winter storms, thunderstorms, and tropical systems produces an average annual rainfall of approximately 64 inches.

2.2. MS4 Area

Baldwin County's NPDES Permit (ALR040042) became effective on December 22, 2011. In accordance with 40 CFR 122.32, only portions of the County that are located within an Urbanized Area are regulated as a small MS4 under the NPDES stormwater program. The County has defined its MS4 Areas based on the Daphne-Fairhope Urbanized Area. Unincorporated areas of the County that are located within the Daphne-Fairhope Urbanized Area are shown in Figure 2-2.

2.2.1. Incorporated Areas

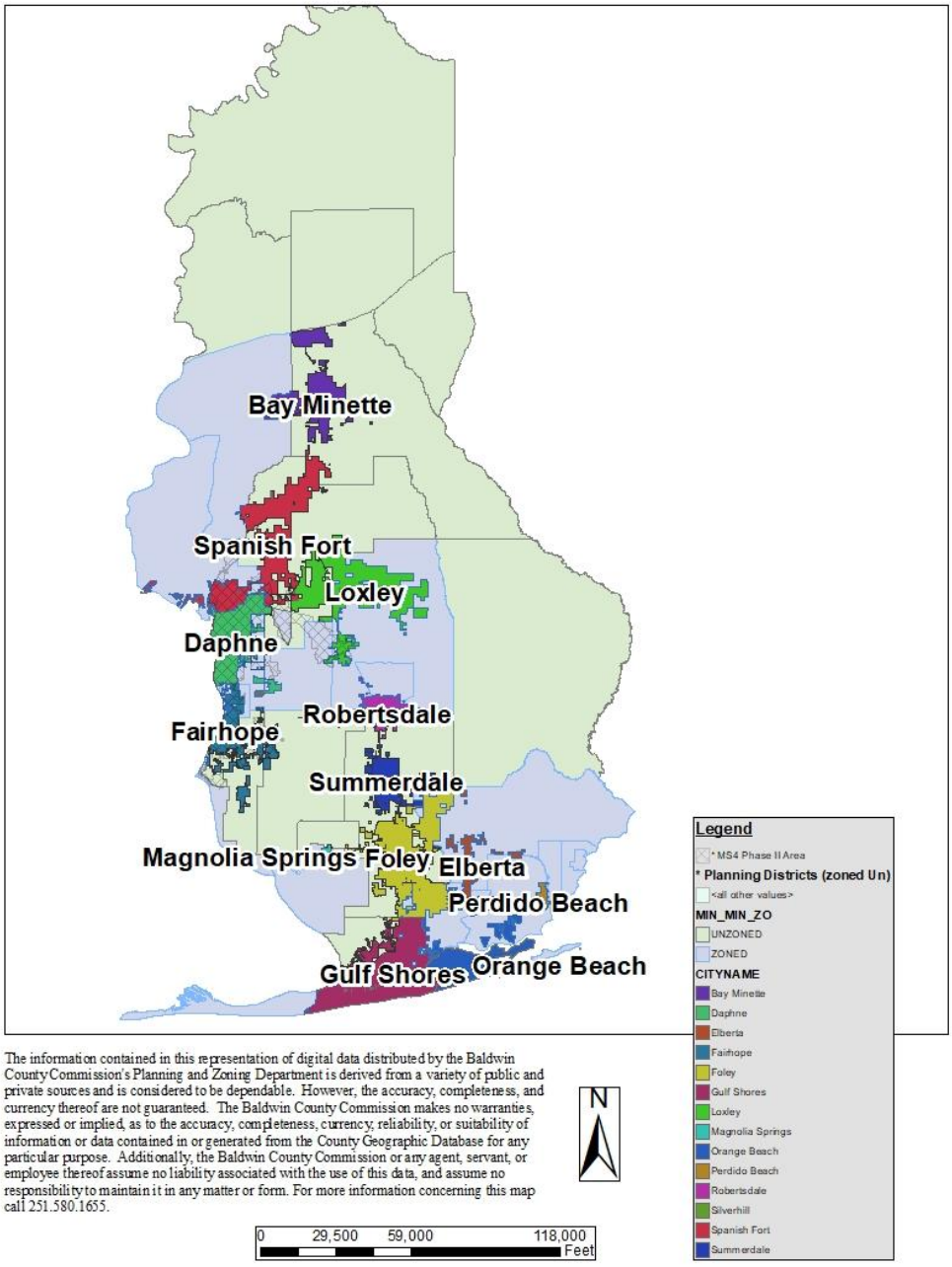
Incorporated areas located within the MS4 Area include Daphne, Fairhope, and Spanish Fort. Table 2-2 provides a breakdown of the MS4 Area by permittee.

Table 2-2
Baldwin County MS4 Area

Permittee	Population (2020)	MS4 Area	
		Area (mi^2)	Area (%)
Daphne	27,462	16.39	25.5
Fairhope	12,477	13.19	20.5
Spanish Fort	10,049	28.00	43.6
Baldwin County	--[1]	6.67	10.4
Total	59,988	64.25	100.0

[1] Due to the level of detail currently available in the Census data, the population of Baldwin County's MS4 Area cannot be estimated.

Figure 2-2
Baldwin County MS4 Area

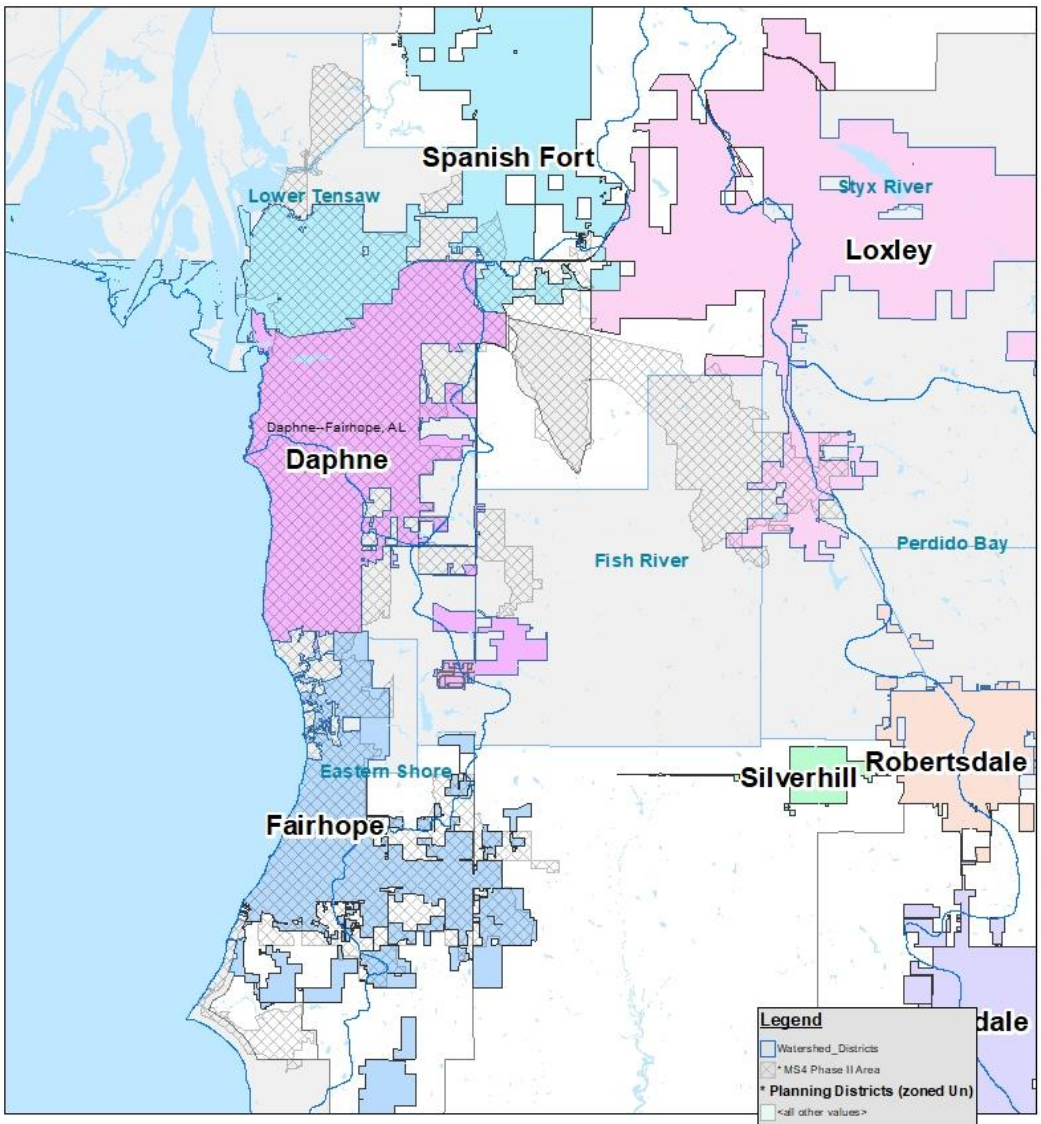


Unincorporated areas of Baldwin County located within the Daphne-Fairhope Urbanized Area occupies approximately 22.644 square miles. The SWMP Plan has been developed to cover Baldwin County's MS4 Area.

2.2.2. Watersheds

Baldwin County's MS4 Area expands across eight (8) watersheds that have a 12-digit Hydrologic Unit Code (HUC 12). The watersheds of Baldwin County's MS4 Area are shown in Figure 2-3. The majority of the Baldwin County's MS4 area is located within the Fish River watershed.

Figure 2-3
Baldwin County MS4 Area Watersheds



2.3. Known Problems

Section 303(d) of the Clean Water Act (CWA) establishes that states are to identify and list waters (rivers, streams, etc.) for which technology-based limits alone do not ensure attainment of applicable water quality standards. The 303(d) list of impaired waters will include a priority ranking for establishment of Total Maximum Daily Loads (TMDLs) for these waters. The state will establish a TMDL that will meet water quality standards for impaired streams, considering seasonal variations, and a margin of safety that accounts for uncertainty. TMDLs establish the maximum amount of a pollutant that a water body can assimilate without exceeding water quality standards. Once a TMDL is developed for a water, that water will be removed from the 303(d) list.

According to ADEM's 303(d) list (2024AL303dList.pdf)dated April 1, 2024, there are eight (8) streams that are located within the drainage basins of the MS4 Area that have been designated as impaired. ADEM's 303(d) listed streams are summarized in Table 2-3 and shown in Figure 2-4. Currently there are no EPA approved TMDLs for streams located within the MS4 Area.

2.3.1. Lower Bay Minette Creek Watershed

ADEM has included Bay Minette Creek on the 303(d) list as impaired for metals (mercury). The source of this pollutant is identified as unknown. Due to the small area of Baldwin County's MS4 Area located within this watershed and the type of land uses, Baldwin County's MS4 should not be a contributor to the impairment on Bay Minette Creek.

2.3.2. Tensaw River Apalachee River Watershed

ADEM has included Tiawasee Creek, Unnamed Tributary to Tiawasee Creek, D'Olive Creek, and Unnamed Tributary to D'Olive Creek on the 303(d) list as impaired for siltation and habitat alteration. The source of this impairment is attributed to land development.

The majority of the drainage basin of Tiawasee Creek and its tributary are located within the corporate limits of Daphne. There are small pockets of the drainage basin located within the County's MS4 Area. The land use within these pockets primarily consists of forested or agricultural and limited amount of residential or commercial.

The majority of the drainage basin of D'Olive Creek and its tributary are located within the corporate limits of Daphne and Spanish Fort. There is a small area located in the headwaters of the drainage basin that is located within the County's MS4 Area. The land use of this area is either forested or agricultural and should not be a significant contributor to the impairment of D'Olive Creek. Figure 2-4 shows the drainage basin, 303(d) listed streams and the areas of the County's MS4 Area.

Table 2-3
2020 303(d) Listed Streams

Stream		Designated Use	Pollutant of Concern	Sources
Name	River Basin			
Bay Minette Creek	Upper and Lower Bay Minette Creek	Fish & Wildlife	Metals (Mercury)	Atmospheric Deposition
UT to D'Olive Creek	Tensaw River Apalachee River	Fish & Wildlife	Siltation Habitat Alteration	Land Development
D'Olive Creek	Tensaw River Apalachee River	Fish & Wildlife	Siltation Habitat Alteration	Land Development
UT to Tiawasee Creek	Tensaw River Apalachee River	Fish & Wildlife	Siltation Habitat Alteration	Land Development
Tiawasee Creek	Tensaw River Apalachee River	Fish & Wildlife	Siltation Habitat Alteration	Land Development
Cowpen Creek	Lower Fish River	Swimming, Fish & Wildlife	Metals (Mercury)	Atmospheric Deposition
Fly Creek	Mobile/Eastern Shore	Swimming, Fish & Wildlife	Pathogen	Pasture Grazing
Fish River	Mobile/Fish River	Swimming, Fish & Wildlife	Metals (Mercury)	Atmospheric Deposition

2.3.3. Lower Fish River Watershed

ADEM has included Cowpen Creek on the 303(d) list as impaired for metals (mercury). The source of this pollutant has been identified as atmospheric. Due to the type of land uses located within this watershed, Baldwin County's MS4 should not be a contributor to the impairment on Cowpen Creek.

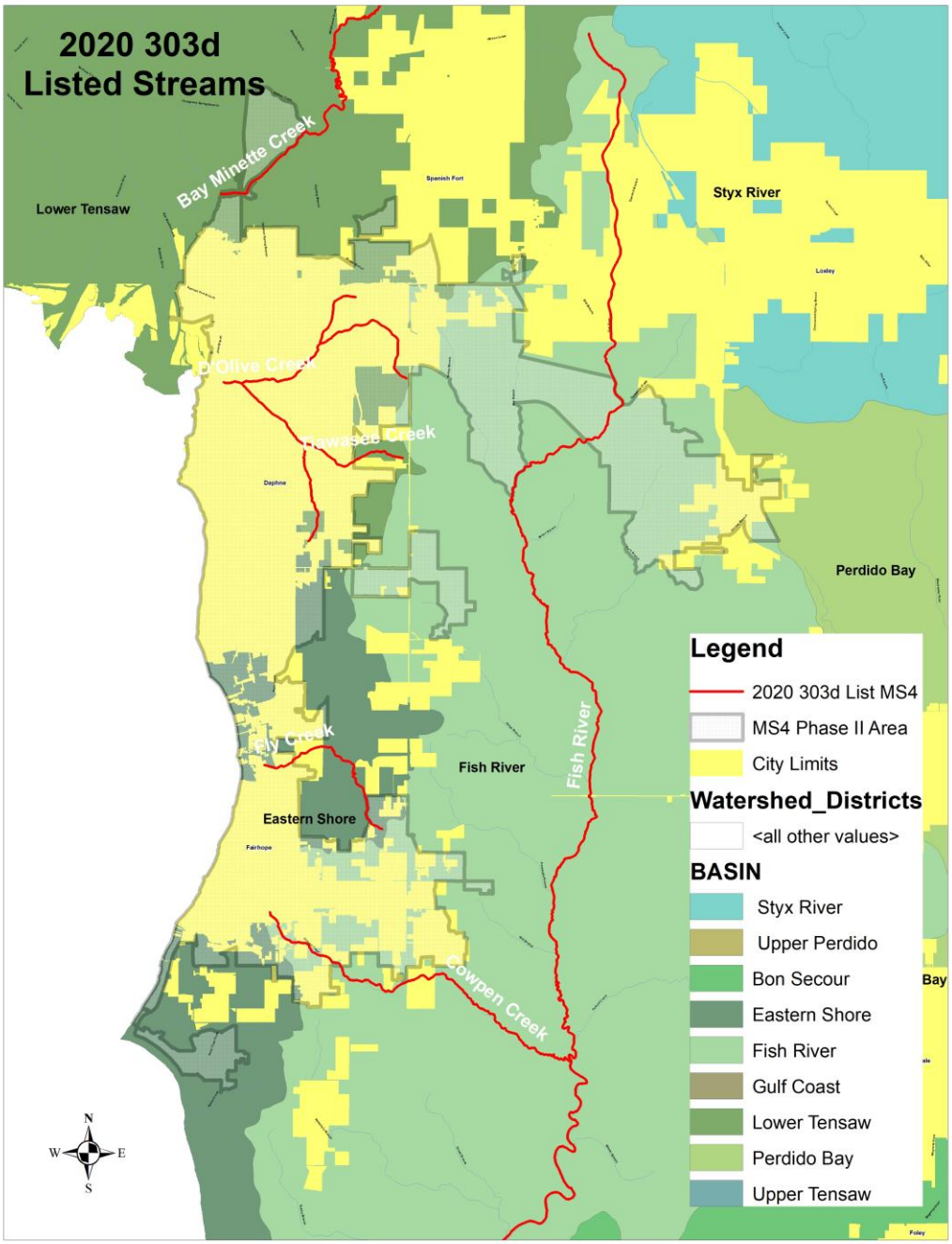
2.3.4. Fly Creek Watershed

ADEM has included Fly Creek on the 303(d) list as impaired for pathogens. The source of this pollutant is identified as pasture grazing.

2.3.5. Fish River Watershed

ADEM has included Fish River on the 303(d) list as impaired for metals (mercury). The source of this pollutant has been identified as atmospheric. Due to the type of land uses located within this watershed, Baldwin County's MS4 should not be a contributor to the impairment on Fish River.

Figure 2-4
Baldwin County Impaired Streams



3. Regulatory Requirements

3.1. U.S. Environmental Protection Agency

3.1.1. Phase II MS4 Requirements

U.S. EPA defines the requirements for a SWMP Plan designed to reduce the discharge of pollutants from the MS4 to the maximum extent practicable (MEP), to protect water quality and to satisfy the appropriate water quality requirements of the Clean Water Act in Title 40, Part 122, Sections 30 through 37 of the Code of Federal Regulations (40 CFR Parts 122.30 through 122.37). These regulations are incorporated into the SWMP Plan by reference.

3.1.2. Effluent Limitation Guidelines

40 CFR 450 Construction and Development Point Source Categories establishes effluent limitation requirements for constructions sites and is incorporated into the SWMP Plan by reference. An outline of 40 CFR 450 is provided below.

Part 450 – Construction and Development Point Source Category

Subpart A – General Provisions

450.10 Applicability

450.11 General Definitions

Subpart B – Construction and Development Effluent Guidelines

450.21 Effluent limitations reflecting best practicable technology currently available (BPT).

450.22 Effluent limitations reflecting the best available technology economically achievable (BAT).

450.23 Effluent limitations reflecting the best conventional pollutant control technology (BCT).

450.24 New source performance standards reflecting the best available demonstrated control technology (NSPS).

3.2. Alabama Department of Environmental Management

The County's MS4 Program is currently operating under the requirements of the National Pollutant Discharge Elimination Systems (NPDES) Permit No. ALR040042 that became effective on 1 February 2011 and was renewed on September 16, 2021, and again on October 1, 2021. Part III of the NPDES permit defines the requirements of the SWMP Plan and the requirements of the five (5) minimum control measures.

A copy of NPDES Permit ALR040042 can be found on the County's website at the following link:

https://www.baldwincountyal.gov/departments/planning-zoning/natural-resources/ms4

A copy of the County's SWMPP can be found on the County's website at the following link:

https://www.baldwincountyal.gov/departments/planning-zoning/natural-resources/ms4

4. Public Education and Outreach

4.1. Introduction

The MS4 NPDES permit requires the County to develop, implement and evaluate a public education and outreach program. Goals of the program are to:

- Educate the community about the impacts of storm water discharges into streams, rivers, lakes, and ponds; and,
- Identify steps that the community can take to help reduce pollutants in storm water runoff.

4.2. Target Audiences

Development within the County's MS4 Area primarily consists of residential and commercial uses. Audiences typically associated with this type of development and land use include:

- Homeowners;
- Renters;
- Schools;
- Business owners and employees;
- Professionals;
- Engineers;
- Developers;
- Contractors; and,
- Elected officials.

Educational materials will be specifically tailored to communicate a specific topic to a targeted audience.

4.3. Target Pollutant Sources

There are several sources of pollution that need to be targeted in the public education program. Target pollutant sources include:

- Illegal dumping;
- Improper disposal;
- Failing septic systems;

- Impacts of development;
- Construction site erosion;
- Improper application of fertilizers, herbicides, pesticides, and,
- Trash, floatables.

Educational materials will also be developed to describe BMPs that are effective in reducing the impacts of development on storm water runoff. Topics may include, but are not limited to the following:

- General impacts of storm water runoff;
- Rainwater reuse;
- Low impact development practices; and,
- Impacts of development.

Educational materials will be specifically tailored for the targeted pollutant source of concern and/or pollution prevention practices.

4.4. Outreach Strategy

The County will utilize a variety of techniques to implement its public education and outreach program. Mechanisms and activities that have proven to be effective in educating the public include:

- Local Partnerships;
- Articles in Local Media, & Brochures:
- Planning & Zoning Environmental Website;
- Environmental Workshops;
- Classroom Presentations;
- Reduction of Litter, Floatable & Debris and Watershed signage;
- Local Environmental Festivals; and,
- Staff Training.

A description of how the County is using these activities is described in more detail in the following sections.

4.4.1. Local Partnerships

Baldwin County's leadership and staff have been actively involved with environmental and citizen organizations located throughout the County. To capitalize on education materials and programs that have been developed, Baldwin County has formed partnerships with several federal, state, and local organizations including, but not limited to:

- Alabama Department of Environmental Management;
- Alabama Coastal Foundation;
- Alabama Water Watch (AWW);
- Baldwin County Cities & Towns;
- Baldwin County Community Rating System;
- Baldwin County Emergency Management Agency;
- Baldwin County Solid Waste Authority;
- Clean Water Alabama;
- Clean Water Future Campaign;
- Weeks Bay Reserve;
- Weeks Bay Watershed Project;
- Mobile Bay National Estuary Program (MBNEP);
- Wolf Bay Watershed Watch;
- Pensacola-Perdido Bay Estuary Program;
- Baldwin County Environmental Advisory Committee;
- People Against a Littered State (PALS); and,
- U.S. Corps of Engineers.

As the County's MS4 program continues to evolve, the County will seek partnerships with other agencies and organizations to facilitate the public education program.

4.4.1.1. Clean Water Future Storm Water Education Outreach Campaign

The Create a Clean Water Future is a public service campaign to help residents of Alabama learn more about storm water runoff and its impacts; increase demand for storm water management programs; and provide tools that empower Alabama residents to reduce polluted runoff in our waterways. The Create a Clean Water Future Campaign focuses on the serious issue of polluted storm water runoff in Alabama's creeks, streams, rivers, and bays and the simple steps Alabama's citizens can take to help solve the problem.

The County will partner with the MBNEP to use the CWF Campaign to educate and involve citizens in ways to improve local stream's water quality (watershed stewardship).The CWF website (Homepage (CWF) - Clean Water Future) provides many resources which include storm water information, brochures, and videos that can be used to reach all the targeted audiences of the County's MS4 Program.

4.4.2. Articles in Local Media & Brochures

The County has a list of local media outlets (paper, magazines) to contact and work with to release articles related to the MS4 program, storm water, and other education outreach topics.

Baldwin County has developed several brochures for a variety of audiences and topics. Currently, most of their brochures are directed toward developers, contractors, and other professionals pertaining to planning, zoning, and construction. Brochures are available at the Baldwin County Courthouse in Bay Minette and Satellite Courthouses in Foley and Fairhope. The County will work toward the ultimate goal of putting all brochures on the County's website. The County will implement a tracking system for the brochures to ensure that they are a good avenue for education outreach. Brochures currently available through Baldwin County are summarized and provided in Appendix A.

Table 4-1
Summary of Brochures

Description	Target Pollution Source	Target Audience
Storm Water Management Best Practices	Construction Site Erosion	Professionals Developers Contractors
Wetlands (2022)	Informational	Homeowners Renters Schools Business Owners Professionals Developers Contractors Elected Officials
Rain Barrel (2021)	Storm Water Quantity	Homeowners Renters Schools Business Owners Professionals Developers Contractors Elected Officials

4.4.3. Website

The internet provides a very accessible mechanism for making information and data available to residents. A specific section of the County's Planning and Zoning

Department website https://baldwincountyal.gov/departments/planning-zoning/natural-resources/ms4 is devoted to the MS4 program, as well as information regarding the County's storm water related activities.

4.4.4. Workshops

Workshops are useful in educating a specific target audience about a specific topic or issue. Capitalizing on existing training programs, the County will work with its partners to sponsor workshops in a variety of topics. Workshops that have been identified for this permit cycle may include the following:

- Erosion and Sediment Control – The County will evaluate and identify workshops that will be beneficial to city staff, professionals, and development community;
- Low Impact Development – The County will evaluate and identify workshops that will be beneficial to County staff, professionals, and development community; and
- Alabama Water Watch - The County will evaluate and identify dates and locations for AWW training that will be beneficial to the community.

As the County's MS4 program continues to evolve, the types and frequency of workshops may be modified to address the changing needs of the County.

4.4.5. Classroom & Outdoor Education Outreach Presentations

4.4.5.1. ACES Master Environmental Education

Many County employees have also participated in the Alabama Cooperative Extension System (ACES) Master Environmental Educator (MEE) program (Baldwin County Master Environmental Educator - Alabama Cooperative Extension System (aces.edu)). The Baldwin County MEE Program was created in 1995 and is an outreach program of the Baldwin County Extension Office. Volunteers are trained to teach eight environmental lessons pertaining to the most critical environmental issues facing Baldwin County:

- Aquatic Nuisance Species;
- Alabama Water Watch (AWW)
- Backyard Wildlife Habitat;
- Energy;
- Groundwater Pollution;

- Invasive Plant Species;
- Nonpoint Source Pollution;
- Recycling;
- Stormwater: and,
- The Water Cycle.

Volunteers throughout Baldwin County participate in MEE training each year. Each volunteer gives back at least 20 hours a year to the community. Classroom teachers can request and schedule a lesson, which also correlates to the Alabama Course of Study for Science. The County sponsors the ACES's programs annually and staff volunteers for the MEE program.

4.4.5.2. Coastal Kids Quiz & Envirothon

Coastal Kids Quiz - The Alabama Coastal Foundation sponsors the Coastal Kid's Quiz. This fun online program is open to every 5th grade teacher, public or private, in the state to help their students learn about Alabama's precious coastal environment.

Envirothon - The Alabama Envirothon works in partnership with local conservation districts, agricultural, forestry and conservation organizations, schools and cooperating natural resource agencies to organize and conduct competitions.

The program consists of in-class curriculum with hands-on outdoor field experiences, where students can learn natural resource management techniques from natural resource professionals. State competition winners advance on to the annual NCF-Envirothon international competition.

Participating teams are trained and Participating teams tested in five natural resource categories: Soils/Land Use, Aquatic Ecology, Wildlife, Forestry and an annually chosen current environmental issue.

4.4.5.3. Baldwin County Water Festival-Local Festival

The mission of the Baldwin County Water Festival is to educate students about all aspects of surface water, groundwater, other related natural resources (such as wetlands, forestry, wildlife, and much more) and to instill in them a general environmental awareness and stewardship ethic. Students and their teachers leave with an increased knowledge and awareness of the importance of precious water resources and becoming good environmental stewards of these resources. All 4th grade students in Baldwin County including public, private, and home-

schooled students are invited to participate. Since 2003, the festival has had over 7,000 participants.

4.4.6. Local Environmental Festivals

4.4.6.1. Delta Woods and Water Expo

The Delta Woods and Waters Expo (Delta Woods and Waters Expo | Spanish Fort, AL USA) is an annual event sponsored by the City of Spanish Fort and held at 5 Rivers Delta Resource Center for the purpose of celebrating the beauty and diversity of the Mobile-Tensaw Delta. The event features a variety of informative presentations, exhibitions and interactive displays by experienced outdoorsmen, professionals, educators, and enthusiasts. It includes numerous fun and exciting hands-on demonstrations which allow attendees to learn and practice new skills with one-on-one instruction.

The mission of the Delta Woods and Waters Expo is to promote responsible and enjoyable outdoor recreational experiences through a fun and educational event.

4.4.6.2. Earth Day and Jubilee Festival-Local Festivals

Earth Day

Earth Day (Earth Day Mobile Bay) is an annual celebration during which worldwide events are held for the purpose of demonstrating support for environmental protection. The first Earth Day was celebrated in 1970. It is now celebrated in more than 192 countries around the world and is coordinated by the Earth Day Network. According to the Earth Day website (www.earthday.org), “The Earth Day Network’s year-round mission is to broaden, diversify, and activate the environmental movement worldwide, through a combination of education, public policy, and consumer campaigns.”

In Baldwin County, Earth Day Mobile Bay is held during April at Fairhope Pier Park in Fairhope, Alabama. The Baldwin County Planning and Zoning Department includes a link to the Earth Day celebration on the Storm Water web site. Support from Baldwin County includes the provision of transportation by the Baldwin Rural Area Transportation Service and the provision of recycling drop offs for aluminum, plastic, and cardboard items, by the Baldwin County Solid Waste Department.

Jubilee Festival

The Jubilee Festival is an Eastern Shore tradition offering fine art, crafts, entertainment, and amazing food in Olde Towne Daphne sponsored by the Eastern Shore Chamber of Commerce in cooperation with the City of Daphne. Admission to the Jubilee Festival is always free. Booth and exhibitor space is available for participants near and far. For additional information on the Jubilee Festival or schedules dates, visit the Eastern Shore Chamber of Commerce website, (Home - Eastern Shore Chamber of Commerce %).

4.4.7. Reduction of Litter, Floatables & Debris and Other Environmental Education Signage

4.4.7.1. Environmental Education Signage

Baldwin County installs environmental education signage on its right of ways to educate the public. Current litter and environmental awareness signage includes:

- Adopt-a-Mile Signs, (ALPALS - Alabama People Against a Littered State);
- Adopt-a-Stream Signs,(ALPALS - Alabama People Against a Littered State); and,
- Watershed Signage.

The Counties highway department has an inventory of the signs and their locations. The county will maintain and enhance the environmental sign inventory/program throughout the permit cycle.

4.4.7.2. Storm Drain Stencil/Labeling

Baldwin County will work with other MS4's to support local volunteer groups labeling storm drains and catch basins with no dumping messages throughout the Eastern Shore MS4 boundary.

4.4.8. Training

County departments that aid in implementing the County's SWMP include the Highway Department, Planning and Zoning Department, Building Inspection Department, Emergency Management Agency, and Solid Waste Department. The County will evaluate potential training programs, activities and/or materials that can be used to educate the County's staff in storm water related issues.

4.5. Program Goals

The County has developed realistic, achievable, and measurable goals and performance milestones to measure the progress in implementing a Public Education and Outreach Program. Program goals are summarized in Table 4-2.

4.6. Program Evaluation

The most basic measure to evaluate the program effectiveness is to evaluate whether the program goals are being met. At the end of the permit year, the County will evaluate the program goals and overall effectiveness in educating the public on storm water related issues. Results of the program evaluation will be summarized in the Annual Report.

Table 4-2
Public Education – Program Goals

2021-2026 TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments	2021/2022 Proposed	2021/2022 Achieved	2022/2023 Proposed	2022/2023 Achieved	2023/2024 Proposed	2023/2024 Achieved	2024/2025 Proposed	2024/2025 Achieved	2025/2026 Proposed	2025/2026 Achieved
Part III-B1	4.4.1	Local Partnerships	Throughout the permit cycle, the County will keep an update list of local partnerships with other agencies and organizations	All	P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
Part III-B1bv	4.4.1	Local Partnerships	Coordination with other agencies and groups on environmental efforts, County staff will attend four (4) environmental agency meetings a years	All	P&Z	***	***	4	15 🗁	4	17 🗁	4	24 🗁	4	33
Part III-B1bv	4.4.1	Local Partnerships	In year one (1), the County will seek to partner with USDA/NRCS to educated Livestock Farmers regarding potential pathogen pollution impacts to local streams	Pathogens	P&Z	***	***	✓	🗁	©	©	©	©	©	©
Part III-B1bv	4.4.1	Local Partnerships	Eastern Shore MS4s Meetings In years one (1) through (5), host or attend one meeting a year	All	P&Z	***	***	1	2 🗁	1	1 🗁	1	1 🗁	1	1 🗁
Part III-B1	4.4.1.1	Local Partnerships-Clean Water Future Campaign	Throughout permit cycle continue to support the Clean Water Future (CWF) Campaign which informs individuals, households, schools, & businesses about steps they can take to reduce storm water pollution	All	P&Z	***	***	✓	🗁	✓	✓	✓	✓	✓	✓
Part III-B1	4.4.2	Articles in Local Media & Brochures	Once per permit cycle, survey Environmental Advisory Committee (EAC) to determine target storm water pollutants and audiences for MS4 Education Outreach Program	All	P&Z	***	***	*	*	*	*	✓	✓🗁	©	©
Part III-B1	4.4.2	Articles in Local Media & Brochures	In years one (1)through five (5), create and update a list of local media outlets	All	P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
Part III-B1	4.4.2	Articles in Local Media & Brochures	Throughout the permit cycle, the County will submit or participate in five (5) Stormwater related materials/articles being released to local media outlet or social media per permit cycle	All	P&Z	***	***	1	8 🗁	1	16 🗁	©	6	©	15 🗁
Part III-B1	4.4.2	Articles in Local Media & Brochures	In year one of the permit cycle, the County will compile and update a list of EPA stormwater related education outreach materials	All	P&Z	***	***	✓	✓	*	*	*	*	*	*
Part III-B1	4.4.2	Articles in Local Media & Brochures	In year one (1), review the county's building locations for brochure distribution and update as needed	All	P&Z	***	***	✓	✓	*	*	*	*	*	*

2021-2026 TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments	2021/2022 Proposed	2021/2022 Achieved	2022/2023 Proposed	2022/2023 Achieved	2023/2024 Proposed	2023/2024 Achieved	2024/2025 Proposed	2024/2025 Achieved	2025/2026 Proposed	2025/2026 Achieved
Part III-B1	4.4.2	Articles in Local Media & Brochures	In year two, initiate a tracking system for EO Brochures-Pamphlets distribution	All	P&Z	***	***	**	**	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-B1bi	4.4.2	Articles in Local Media & Brochures	Create two (2) stormwater education brochures for a targeted pollutant every permit cycle	All	P&Z	***	***	1	🗁	1	1 🗁	©	©	©	©
Part III-B1bv	4.4.3	Website P&Z Environmental	In year one (1) of the permit cycle, work with the County's Marketing Department to create & design a separate county environmental web page which will inform and involve individuals and groups on how to participate in storm water programs	All	P&Z & Marketing	***	***	✓	🗁	©	©	©	©	©	©
Part III-B1bv	4.4.3	Web Site P&Z Environmental	In year two (2) of the permit cycle, work with the County's Marketing Department to release the new environmental web page	All	P&Z & Marketing	***	***	**	** 🗀	©	©	©	©	©	©
Part III-B1bii	4.4.4	Environmental Workshops	During the permit cycle, host or sponsor two (2) education outreach workshop with at least one targeting land development community (i.e., construction)	Sediment, ALL	P&Z	***	***	2	4 🗀	*	4 🗀	©	5 🗀	©	11 🗁
Part III-B1	4.4.5.1	Classroom Presentations-Master Environmental Education Presentations	During permit cycle, present two (2) MEE lessons to school age classrooms per year	All	P&Z	***	***	2	12 🗀	2	8 🗀	2	4	2 🗀	8 🗀
Part III-B-1	4.4.5.2&3	Local Environmental Festivals-Watershed Festivals	Baldwin County Water Festival & Envirothon - The County will participate in two (2) events per permit cycle.	All	P&Z	***	***	1	🗁	1	1 🗁	©	2	©	1 🗁
Part III-B-1	4.4.6.1&2	Local Environmental Festivals-Watershed Festivals	Woods-n-Water, Jubilee Festival & Earth Day-The county will sponsor or participate in one (1) festival a year	All	P&Z	***	***	1	1 🗀	1	2 🗁	1	1	1	1 🗁
Part III-B-1-b-iii-(2)	4.4.7.1	Reduction of Litter, Floatables & Debris-Watershed Signage & Environmental Awareness Signage	In year one of the permit cycle, the County will create an inventory watershed and environmental awareness signage located in the MS4 area.	Trash & Floatable	Highway & P&Z	***	***	✓	🗀	©	©	©	©	©	©
Part III-B-1-b-iii-(2)	4.4.7.1	Reduction of Litter, Floatables & Debris-Watershed Signage & Environmental Awareness Signage	In year one of the permit cycle, install watershed signage in the Magnolia River Watershed	Trash & Floatable	Highway & P&Z	***	***	✓	🗀	©	©	©	©	©	©

2021-2026 TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments	2021/2022 Proposed	2021/2022 Achieved	2022/2023 Proposed	2022/2023 Achieved	2023/2024 Proposed	2023/2024 Achieved	2024/2025 Proposed	2024/2025 Achieved	2025/2026 Proposed	2025/2026 Achieved
Part III-B-1-b-iii-(2)	4.4.7.1	Reduction of Litter, Floatables & Debris-Watershed Signage & Environmental Awareness Signage	In year three of the permit cycle, install or update watershed signage in one additional MS4 Watershed	Trash & Floatable	Highway & P&Z	***	***	*	*	*	*	✓	✓	©	©
Part III-B-1-b-iii-(2)	4.4.7.1	Reduction of Litter, Floatables & Debris-Watershed Signage & Environmental Awareness Signage	Throughout the permit cycle, maintain watershed and environmental awareness signs and inventory	Trash & Floatable	Highway & P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓🗀
Part III-B-1-b-iii-(1)	4.4.7.2	Reduction of Littler, Floatables & Debris-Watershed Signage & Environmental Awareness Signage	In year one (1), partner with Eastern Shore (ES) MS4 to plan a community event to install storm drain labels throughout the ES MS4 area.	Trash & Floatable	Solid Waste & P&Z	***	***	✓	🗀	©	©	©	©	©	©
Part III-B-1-b-iii-(1)	4.4.7.2	Reduction of Litter, Floatables & Debris-Watershed Signage & Environmental Awareness Signage	In year three (3)~~two (2)~~, partner with Eastern Shore (ES) MS4 to host the community event to install storm drain labels throughout the ES MS4 area.	Trash & Floatable	P&Z	***	***	*	*	✓	X	✓	✓	©	©
Part III-B-1d	4.6	Program Evaluation	Throughout the permit cycle, evaluate the Education Outreach Minimum Control Measure strategies and goals achieved and submit an annual report	All	P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
					Total Goals	***	***	27	58	18	42	19	54	**14**	**76**
	©	Completed													
	*	Not Proposed for Permit Year													
	**	Completed Prior to Proposed Year													
	***	Spreadsheet Not Used for 2021/2022 Reporting Period													
	X	Not Completed-Goal Not Met													
	🗁	Attachment Included in Report													
	P&Z	Planning & Zoning													
	Hwy	Highway													

5. Public Involvement / Participation

5.1. Introduction

The MS4 NPDES permit requires the County to develop, implement, and evaluate a public involvement and participation program. Goals of the program are to:

- Provide opportunities for public input and feedback;
- Engage the public to actively participate; and,
- Facilitate opportunities to provide public education.

As the public gains a greater understanding of the benefits of a storm water program, the County is likely to gain more support for the SWMP and increased compliance with the NPDES permit requirements. Public education and involvement provide a mechanism to help the public understand how their actions can potentially impact storm water quality. Public participation can also help reduce the amount of pollution generated and identify potential pollution causing activities and/or sources.

5.2. Outreach Strategy

The County will utilize a variety of techniques to implement its public involvement and participation program. Mechanisms and activities that have proven to be effective in educating the public include:

- Litter and Trash Abatement Programs;
- Committees, Watershed Organizations and Groups; and,
- Commissions, Board of Adjustment and Other Public Involvement Opportunities.

A description of how the County is using these activities is described in more detail in the following sections.

5.2.1. Litter & Trash Abatement Programs

The County partners with People Against a Littered State (PALS) to help implement litter abatement programs. Current litter abatement programs include:

- Adopt-a-Mile;
- Adopt-a-Stream;
- Alabama Coastal Cleanup; and,
- Baldwin County Clean Sweep.

The County currently has a link (ALPALS - Alabama People Against a Littered State) to apply for Adopt-a-Mile on their website. Citizens can "adopt" a stretch of county roads or federal or state highways.

In the fall of each year, PALS will plan, organize, and host The Alabama Coastal Cleanup. The County is an in-kind sponsor with this event.

Baldwin County Clean Sweep is an activity approved by the Baldwin County Solid Waste Authority (BCSWA) which provides county residents a free day to discard any unwanted debris and household hazardous waste. The event encourages the proper disposal of waste in Baldwin County and discourages illegal dumping and piling of debris on roadways.

5.2.1.1. Recycling & Materials Repurpose Facility

The County's Solid Waste Authority (SWA) has established 30 recycling locations throughout the County for residents to drop off items. Accepted recyclables include:

- Unwaxed Cardboard;
- Newspapers;
- Magazines;
- Phonebooks;
- Aluminum Cans;
- Aluminum Scrap Metal; and,
- Category 1 through 4 Plastics.

The Baldwin County Materials Recovery Facility (MRF) is located next to the Magnolia Sanitary Landfill in Summerdale, Alabama was opened in 2025. The facility will cover 62,000 square feet, with 50,000 square feet dedicated to recycling and 12,000 square feet for education and office space. The recycling line in the MRF, made by Green Machine from New York, will be capable of processing plastics #1-7, aluminum, tin, mixed paper, and cardboard. The MRF can process 10-14 tons per hour, equating to approximately 14,000 tons per year with one shift. If additional shifts are added, the capacity can increase to 40,000 tons per year.

The total cost of the MRF is $25.6 million, with $19.9 million paid to date. The project has also received substantial grant funding for the MRF, educational facilities, and new convenience centers, totaling $7 million. Of that amount, $1.2 million has been awarded by the Alabama Department of Environmental Management (ADEM) for the educational facility, equipment, and curbside recycling carts. Additionally, Baldwin County has partnered with multiple municipalities to secure grants for equipment for the MRF. The Recycling Partnership has awarded $867,000 for parts of the MRF equipment line, the construction of two new convenience centers, the compactors for these sites, and the education and outreach materials for when the MRF is complete. Additional funding has been received from ARPA-Baldwin County, the Energy Efficiency Block Grant, and the Glass Recycling Foundation.

Out of the $1.2 million from ADEM, $350,000 is allocated for the educational facility, which will be called the Baldwin County Waste and Recycling Adventure Center. This two-story, 7,000-square-foot facility will have a dual focus. The first floor will educate the public about recycling, the origins of materials, how the recycling line works, the various products that recyclables can be turned into, and the job opportunities in the waste and recycling industry. It will also feature a game, simulating the process of a circular economy, following products from the store to either the landfill or recycling center, and back to the store.
The second floor will focus on the life cycle of waste, illustrating the amount of waste humans have generated over the decades, and will also highlight the Green Machine recycling line and its manufacturing process. Visitors will be able to walk on a mezzanine overlooking the line for an up-close view. The second floor will also feature a site map of the Magnolia Landfill and exhibits explaining the different parts of a landfill cell, the constructed wetlands used to treat leachate, and the new landfill gas to energy plant to be commissioned early 2025.

The SWA launched a single-stream curbside recycling program mid-year 2025 to all Baldwin County residents, which is a subscription-based plan at a minimal fee. The Solid Waste Disposal Authority currently services 25 “unmanned” recycling drop-off locations staged throughout Baldwin County, strategically placed for easy access by residents. The “unmanned” recycling drop-offs accept cardboard, mixed paper, aluminum/tin cans and plastics #1-7. The roll-off containers are emptied twice a week, with more frequent pickups in high-traffic areas. In addition to the 25 “unmanned” recycling drop-off locations, six new “manned” convenience centers will be built throughout the county for residents who prefer not to participate in the curbside recycling program. These centers will be known as CHaRMs, which stands for the Center for Hard to Recycle Materials, which will accept items that will be collected in the curbside recycling carts as well as items that are difficult to

dispose of and offers a safe place for disposal. Residents will be able to drop off the following items at CHaRMs:

- Plastics #1-7
- Mixed Paper
- Aluminum/Tin
- Cardboard
- Glass
- Electronics
- Batteries
- Lightbulbs
- Tanks and Extinguishers
- Household Hazardous Waste

The first two CHaRMs will be located at the Magnolia Landfill, next to the new MRF, and in Fairhope near the Satellite Courthouse. The SWDA will also open a new Landfill Gas to Energy Plant. This facility will harvest methane and other gases from the landfill, scrub them, and pipe the cleaned gas directly to a local utility. A two-mile pipeline has been constructed from County Road 49 to US HWY 98 to supply natural gas to Riviera Utilities.

The SWA has a seasonal Christmas Tree recycling program which contributes material to the County compost program.

5.2.1.2. Household Hazardous Waste Collection

The County operates a household hazardous waste collection facility at the Magnolia Landfill on a year-around basis. For a fee, residents can dispose of household hazardous waste such as paints, motor oil, pesticides, herbicides, cleaners, solvents, etc.

The Baldwin County Solid Waste Authority's occasionally hosts Clean Sweep, which is a free day to discard any unwanted debris and waste including household hazardous waste. The event encourages the proper disposal of waste in Baldwin County and discourages illegal dumping and piling of debris on roadways.

5.2.2. Committees, Watershed Organizations & Groups

5.2.2.1. Local Emergency Planning Committee (LEPC) & Hazardous Materials Planning Sub-Committee Meetings

The LEPC and Hazardous Materials Planning Sub-committee meet regularly with a mission to complete a Hazardous Materials Response Plan for the county. Committee members consist of representatives from federal and state agencies, county departments, healthcare community, first responders, volunteers, and faith-based organizations.

5.2.2.2. Environmental Advisory Committee (EAC)

The EAC is an advisory committee for the Baldwin County Commission. The mission of the EAC is to study such environmental issues as may be suggested by the Baldwin County Commission, Committee members, and County staff and provide policy advice on these matters to the Commission. The EAC is made up of citizens who meet once a month. The EAC has several sub-committees that address specific topics. The sub-committees include the following:

- Dirt Road Sub-committee;
- Water Quality Sub-committee;
- Farmland Protection Sub-committee;
- Ordinance Review Sub-committee; and,
- Stewardship Awards Sub-committee.

5.2.2.3. Eastern Shore MS4 (ESMS4)

The County hosts annual Eastern Shore MS4 meetings. The annual meetings allow for permittees to network and partner on education outreach and other programs and events. ALDOT, Baldwin County, Daphne, Fairhope, and Spanish Fort are members of the ESMS4.

5.2.2.4. Watershed Organizations/Group

The County supports local environmental watershed organizations efforts by having staff attend watershed organization meetings. Wolf Bay Water Watch is an example of a local watershed group.

5.2.2.5. Alabama Water Watch (AWW)

Alabama Water Watch is a citizen volunteer, water quality monitoring program covering all of the major river basins of the state. The mission of AWW is to improve

both water quality and water policy through citizen monitoring and action. Established in 1992, AWW is a national model for citizen involvement in watershed stewardship, largely because of its three interrelated components: citizen monitoring groups, a university-based program, and a non-profit association. AWW uses EPA-approved monitoring plans with a community-based approach to train citizens to monitor conditions and trends of their local water bodies. With a "data-to-action" focus, AWW helps volunteers collect, analyze, and understand their data to make positive impacts.

The AWW vision is to have a citizen monitor on every stream, river, lake, and coast in Alabama. The goal of AWW is to foster the development of statewide water quality monitoring by:

- **Educating** citizens on water issues in Alabama and the world
- **Training** citizens to use standardized equipment and techniques to gather credible water information using quality assurance protocols.
- **Empowering** citizens to make a positive impact by using their water monitoring data for environmental education, waterbody restoration and protection, and involvement in watershed stewardship.

Baldwin County partners with the Mobile Bay National Estuary Program (MBNEP) and Alabama Water Watch Program to offer training, water quality kits and chemicals. For more information regarding AWW visit their website at the following link: Alabama Water Watch (auburn.edu).

5.2.2.6. Watershed Management Plan Meetings

The MBNEP has completed watershed management plans for Bon Secour River, D'Olive Creek, Weeks Bay, Wolf Bay, and is in the process of completing plans for the Eastern Shore of Mobile Bay, Fly Creek, Tensaw, and the Western Shore of Perdido Bay.

A Watershed Management Plan (WMP) identifies water quality problems in a watershed, proposes solutions, and creates a strategy for putting those solutions into action. Watershed Management Plans take a long-term, comprehensive approach, which has proven to be successful in D'Olive Watershed. The plans serve as a road map directing stakeholders from the start to finish of their effort, it helps create a strategic, targeted plan for making changes in the watershed.

The Baldwin County Commission supports the MBNEP, and staff participate in watershed steering committee meetings throughout the county.

5.2.3. Commissions, Board of Adjustment & Other Public Involvement Opportunities.

5.2.3.1. Baldwin County Commission Meetings

All regular meetings of the Baldwin County Commission are advertised and open to the public. Meetings are televised and broadcast on a delayed basis by local cable access stations. In addition, the meetings may be viewed live on the County website. Past meetings are also available on the website. Public hearing items are advertised through certified mail and through notices in the newspapers of general circulation within Baldwin County, depending on legal requirements. Baldwin County Commission - All Meetings Calendar (legistar.com)

5.2.3.2. Board of Adjustments

The Baldwin County Commission was authorized to create the Boards of Adjustment (BOA)by the Baldwin County Planning and Zoning Act (Act No. 91-719). The County has two (2) BOAs that are arranged by the four County Commission Districts and includes only the planning districts which are zoned. The Boards' responsibilities include variance and special exception cases, and each holds a separate meeting each month, as necessary. Baldwin County Commission - All Meetings Calendar (legistar.com)

5.2.3.3. Baldwin County Planning and Zoning Commission Meetings

All meetings of the Baldwin County Planning and Zoning Commission, as with the County Commission, are advertised and open to the public. Meetings are generally held on the first Thursday of each month, unless rescheduled due to a holiday. The Planning Commission is a recommending body to the County Commission on rezoning applications and amendments to the *Baldwin County Zoning Ordinance* and is the final voting authority on conditional use applications and highway construction setback appeals. Baldwin County Commission - All Meetings Calendar (legistar.com)

5.2.3.4. Call Center

The County has a call center to receive complaints from its residents. Depending upon the type of complaint, the call center will route information to the appropriate department for evaluation and response. A centralized call center has been established at the Baldwin County Emergency Operations Center in Robertsdale.

The telephone contact information is (251) 972-6897. Citizen Service Center (baldwincountyal.gov)

The call center is provided on the County's website.

5.3. Program Goals

The County has developed realistic, achievable, and measurable goals and performance milestones to measure the progress in implementing a Public Involvement Program. Program goals are summarized in Table 5-1.

5.4. Program Evaluation

The most basic measure to evaluate the program effectiveness is to evaluate whether the program goals are being met. At the end of the permit year, the County will evaluate the program goals and overall effectiveness of the Public Involvement Program on storm water related issues. Results of the program evaluation will be summarized in the Annual Report.

Table 5-1
Public Involvement – Program Goals

2021-2026 Table 5-1 Baldwin County Phase II MS4

MCM 1-Public Involvement/Public Participation Strategies and Goals

NPDES Permit Section	SWMPP Section	5-Public Involvement/Participation Strategy	Goal	Pollution Targeted	Responsible Departments	2021/2022 Proposed	2021/2022 Achieved	2022/2023 Proposed	2022/2023 Achieved	2023/2024 Proposed	2023/2024 Achieved	2024/2025 Proposed	2024/2025 Achieved	2025/2026 Proposed	2025/2026 Achieved
Part III-B1bv	5.2.1	Litter & Trash Abatement Programs	Throughout the permit cycle, the County will partner with Adopt-a-Mile, Adopt-a-Stream litter programs and track program events	Trash & Floatables	Solid Waste & P&Z	***	***	*	*	*	*	*	*	*	*
Part III-B1bv	5.2.1	Litter & Trash Abatement Programs	Community Clean-Up -County will participate, promote, and /or sponsor one (1) event a year	Trash & Floatables	Solid Waste & P&Z	***	***	1	2	1	1 🗀	1	1	1	✓🗀
Part III-B1bv	5.2.1.1	Litter & Trash Abatement Programs	Throughout the permit cycle, the County will provide recycle dumpsters within the MS4 area of the county. The county will track recycle quantities in the annual report	Trash	Solid Waste	***	***	✓	🗀	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-B1bv	5.2.1.2	Litter & Trash Abatement Programs	Baldwin County Clean Sweep- Household Waste Amnesty Day-the County will host one household solid waste amnesty day a permit cycle ~~a year.~~	Hazardous Waste- & Trash	Solid Waste	***	***	✓	🗀	1	X	1	1	*	*
Part III-B1bi	5.2.2.2	Committees, Watershed Organizations & Groups;	During the permit cycle the County EAC hold eight (8) meeting a year	All	P&Z	***	***	8	25 🗀	8	12 🗀	8	11	8	10 🗀
Part III-B1bi	5.2.2.2	Committees, Watershed Organizations & Groups;	During the Master Plan/Comprehensive Plan process, the EAC Review and Update the proposed plan updates.	All	P&Z & EAC	***	***	✓	🗀	©	©	©	©	©	©
Part III-B1bi	5.2.2.2	Committees, Watershed Organizations & Groups;	Throughout the permit cycle, the EAC will Review Annual Report and Update SWMPP	All	P&Z & EAC	***	***	✓	🗀	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-B1bv	5.2.2.3	Committees, Watershed Organizations & Groups;	Oncer per year, the County will host or attend Eastern Shore MS4 meeting	All	P&Z	***	***	1	2 🗀	1	1 🗀	1	2	1	1 🗀
Part III-B1bv	5.2.2.4	Committees, Watershed Organizations & Groups;	County staff will promote, participate and track watershed organization events	All	P&Z	***	***	✓	✓	✓	✓🗀	✓	✓	✓	✓ 🗀
Part III-B1bv	5.2.2.4	Committees, Watershed Organizations & Groups;	County Staff will promote, participate and track attendance in County Watershed Management Plan Steering Committees	All	P&Z	***	***	✓	🗀	✓	3 🗀	*	*	*	*
Part III-B1bv	5.2.2.5	Committees, Watershed Organizations & Groups;	Alabama Water Watch Monitoring (AWW)-Partner with the MBNEP to provide two (2) AWW trainings per permit cycle	All	P&Z	***	***	*	*	2	2 🗀	*	1	*	4 🗀
Part III-B1bv	5.2.3	Commissions, Board of Adjustment & Other Public Involvement Opportunities	Through out the permit cycle, the County will track all Master Plan public meetings	All	P&Z	***	***	✓	🗀	©	©	©	©	©	©
Part III-B1bv	5.2.3 - 1,2&3	Commissions, Board of Adjustment & Other Public Involvement Opportunities	Through out the permit cycle, track Commission, BOA & Other Public Involvement Meetings	All	P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-B-1d	5.4	Program Evaluation	Throughout the permit cycle, evaluate the Public Involvement and Participation Minimum Control Measure strategies and goals achieved and submit an annual report	All	P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
					Totals	***	***	19	38	19	24	16	21	**15**	**21**

	©	**Completed For Permit Cycle**
	*	**Not Proposed for Permit Year**
	**	**Completed Prior to Proposed Year**
	***	**Spreadsheet Not Used for 2021/2022 Reporting Period**
	X	**Not Completed-Goal Not Met**
	🗁	**Attachment Included in Report**
	P&Z	**Planning & Zoning**
	Hwy	**Highway**

6. Illicit Discharge Detection and Elimination

6.1. Introduction

Illicit discharges are defined as a storm drain that has measurable flow during dry weather containing pollutants and/or pathogens. A storm drain with measurable flow but containing no pollutants is simply considered a discharge. Dry weather discharges are composed of one or more possible flow types:

- Sewage and septage flows from sewer pipes and septic systems;
- Wash water flows generated from commercial laundry wastewater, commercial carwash wastewater, gray water from homes, fleet washing, and floor washing from shop drains;
- Liquid wastes such as oil, paint, process water, etc. that enter the storm drain system;
- Tap water leaks and losses;
- Landscape irrigation from residential and commercial sources; and,
- Groundwater and spring water flows occurring when the groundwater table rises above the storm pipe invert and infiltrating cracks and joints.

This illicit discharge program has been developed using the following guidance materials:

- NPDES Permit, ALR040042;
- 40 CFR 122.26;and,
- Illicit Discharge Detection and Elimination, A Guidance Manual for Program Development and Technical Assessments, October 2004. The document can be found at the following link: Illicit Discharge Detection and Elimination (IDDE) Guidance Manual.

These documents are incorporated into the SWMP Plan by reference and are available in the office of the Storm Water Program Coordinator.

6.2. Allowable and Occasional Incidental Discharges

In accordance with Part I, Section B2 of the NPDES permit, the following non-storm water sources are allowed. The County has determined that these non-storm water discharges are not substantial contributors of pollutants to the MS4:

1. Water line flushing;
2. Landscape irrigation water;
3. Diverted stream flows;
4. Uncontaminated ground water infiltration to storm drains;
5. Uncontaminated pumped ground water;
6. Discharges from potable water sources;
7. Foundation and/or footing drain water (not including active groundwater dewatering systems);
8. Air conditioning condensation;
9. Irrigation water;
10. Rising ground waters;
11. Springs;
12. Water from crawl space pumps;
13. Footing drains;
14. Lawn watering runoff;
15. Individual residential car washing;
16. Discharge or flows from firefighting activities (including fire hydrant flushing);
17. Flows from riparian habitats and wetlands;
18. Dechlorinated swimming pool discharges; and,
19. Discharges authorized by, and in compliance with, a separate NPDES permit.

6.3. Preventing Illicit Discharges

The Illicit Discharge Detection and Elimination Program identifies key behaviors of the public, facilities, and municipal operations that produce intermittent and/or transitory discharges. These key behaviors are targeted to improve pollution prevention practices and prevent or reduce the risk of discharge. The County shall develop a wide variety of education and enforcement tools to promote pollution prevention practices.

6.4. Data Management

The County has a GIS manager responsible for obtaining, developing, and maintaining the County's Graphic Information System (GIS) data and system. The County uses a state-of-the-art GIS system to manage all types of information and data. Mapping layers used to support the County's illicit discharge program include, but are not limited to, the following:

- Aerial photography;
- City and County boundaries;
- MS4 Permit area boundaries;
- Roads and Bridges;
- Parcels;
- Zoning information;
- Hydrologic data (streams, wetlands, drainage basins, etc.);
- TMDL and 303d listed stream segments; and,
- Cross drains, side drains, and storm sewers.

The County has acquired Trimble Geo-Explorer field computers to assist with data collection during the illicit discharge inspections. The Trimble field computer integrates a rich array of functionality, including a high-yield GPS receiver with 1-to-3-meter positioning accuracy. This allows field crews to augment their GPS information and photographs while performing GIS data collection and inspection activities.

The County has developed a data form that can be used by the Trimble field computers to collect specific data for each structural control. This not only provides the field crews with an efficient method for performing data collection but also provides a very efficient way to integrate field data into the County's GIS system.

6.5. Searching for Illicit Discharges

The County shall implement a comprehensive program to detect and eliminate illicit discharges. There are two categories of pollutants that will be addressed in different ways.

1. The first category is pollutants introduced into the MS4 from individuals in a one-time distinct episode at a discrete point of entry. Examples of these are dumping of yard waste, motor oil, antifreeze, or trash into a creek or storm drain. These types of pollutants, when discovered in the MS4 or local streams, cannot be effectively investigated as to the source (i.e., the

individual causing pollution). Also, they are not normally discovered using a County-wide MS4 inspection program for monitoring fixed stations with scheduled work-day inspections. One of the best means of discovery will be through input from citizens, County crews, Police and Fire departments, businesses, and area agency field crews. Prevention of future isolated pollution episodes will rely upon implementation of public education and public involvement programs.

2. The second category is pollutants from sources that have a chronic or frequently repeating discharge which can be traced through stream channels and the MS4 system using visual inspections and chemical field test kits, and laboratory monitoring. Pollutants from these sources will be dispersed downstream as a detectable odor, visual color, increased turbidity, excessive algae growth, or changes in water chemistry (e.g., pH or conductivity) when compared to uncontaminated water in the stream or MS4. These chronic pollutants are amenable to "source tracking" inspections and the sources are more likely to be found and mitigated.

Searching for illicit discharge problems consists of detective work and involves field screening of sub-watersheds to locate outfalls and identify suspect illicit discharges. The primary field screening tool that will be used is the Outfall Reconnaissance Inventory (ORI). This recommended method is very effective for finding illicit discharge problems and developing an outfall inventory of the MS4. If suspect discharges are encountered during the field screening, the ORI will be supplemented with indicator monitoring methods to test suspect discharges.

6.5.1. Field Activities

Field activities associated with the outfall reconnaissance inventory shall be performed when there has been a prolonged dry period with a minimum of 72 hours from the previous measurable (greater than 0.10-inch rainfall) storm event.

6.5.2. Outfall Inventory Schedule

The County has developed an outfall inventory of major outfalls located within the MS4 boundary. The County's MS4 major outfalls have been located and screened. The County will evaluate the screening data and identify priority areas for future evaluation. The inventory is a work in progress. It will be updated as needed and updates submitted with the annual report. The County shall screen all major outfalls per the permit requirements.

- A major outfall is defined as any storm water outfall that is 36” or greater in size.

- A minor outfall is defined as any outfall that is smaller than 36”.

6.6. Outfall Reconnaissance Inventory

The outfall reconnaissance inventory is designed to locate and record basic characteristics of each outfall. During the inventory process, each outfall shall be screened for the presence of illicit discharge(s). The County’s outfall reconnaissance inventory methodology and procedures was developed in accordance with Chapter 11 of the Illicit Discharge Detection and Elimination guidance manual Illicit Discharge Detection and Elimination (IDDE) Guidance Manual (epa.gov).

6.6.1. Field Sheets

The County has and will continue to utilize the Outfall Reconnaissance Inventory / Sample Collection Field Sheet provided with the Illicit Discharge Detection and Elimination guidance manual to collect and document each outfall located and screened. A copy of the Outfall Reconnaissance Inventory / Sample Collection Field Sheet is provided in Illicit Discharge Detection and Elimination (IDDE) Guidance Manual (epa.gov).

6.6.2. Screening Data

Information and data that will be collected for each major outfall includes the following:

Section 1 – Background Data
- Coordinates
- Photograph

Section 2 – Outfall Description
- Location
- Material
- Shape
- Dimensions
- Submerged

Section 3 – Quantitative Characterization
- Parameter
- Result
- Unit

- Equipment

Section 4 – Physical Indicators for flowing outfalls only

- Indicator
- Description
- Relative Severity Index

Section 5 – Physical Indicators for both flow and non-flowing outfalls.

- Indicator
- Description

Chapter 11 of the Outfall Reconnaissance Inventory of the Illicit Discharge Detection and Elimination Guidance Manual provides direction in completing the Outfall Reconnaissance Inventory / Sample Collection Field Sheet information.

6.7. Outfalls Screened

The County has inventoried its MS4 outfalls (Appendix B). As the County updates the outfall inventory, the breakdown of major and minor outfalls by sub-basin will be updated and an updated map shall be developed.

6.8. Suspect Illicit Discharges

If a suspect illicit discharge is encountered during the outfall reconnaissance inventory at a major outfall, field personnel shall take the following steps to identify and locate a suspect illicit discharge:

- Conduct field screening of the suspect illicit discharge;
- Try to identify the source of the suspect illicit discharge; and/or,
- Collect a sample of the suspect illicit discharge.

6.8.1. Field Screening

If a suspect illicit discharge is encountered, field personnel shall evaluate the physical indicators of the suspect illicit discharge and document the findings on an ORI Field Sheet. Field personnel shall also estimate the flow and/or volume of the suspect illicit discharge. If the initial screening observations and/or data indicate a suspect illicit discharge, field personnel will proceed in locating the source of the suspect illicit discharge.

6.8.2. Locating Illicit Discharges

If a suspect illicit discharge is identified during the outfall reconnaissance inventory, field personnel will try to locate the source of the illicit discharge before proceeding to the next outfall. Field personnel shall attempt to follow the suspect illicit discharge up the storm sewer system to identify its source.

If the source of a suspect illicit discharge cannot be easily located by field personnel, the location of the suspect illicit discharge will be reported to the Storm Water Program Coordinator for further evaluation.

6.8.3. Sample Collection

If a discharge from a major outfall exhibits a physical characteristic of an illicit discharge and/or the source of the suspect illicit discharge cannot be easily identified, field personnel may collect a grab sample of the discharge. The sample shall be shipped to an independent laboratory and analyzed for the following parameters.

Table 6-1
Screening Parameters

- Ammonia
- Turbidity
- E. Coli
- Hardness
- Chlorine
- Conductivity
- Total Coliform
- Potassium
- Surfactants
- Detergents
- Fluoride

The County shall use the sample collection protocol provided in Appendix G of the Illicit Discharge Detection and Elimination Guidance Manual. Analytical methods for samples submitted to an independent laboratory shall be in accordance with 40 CFR 136.

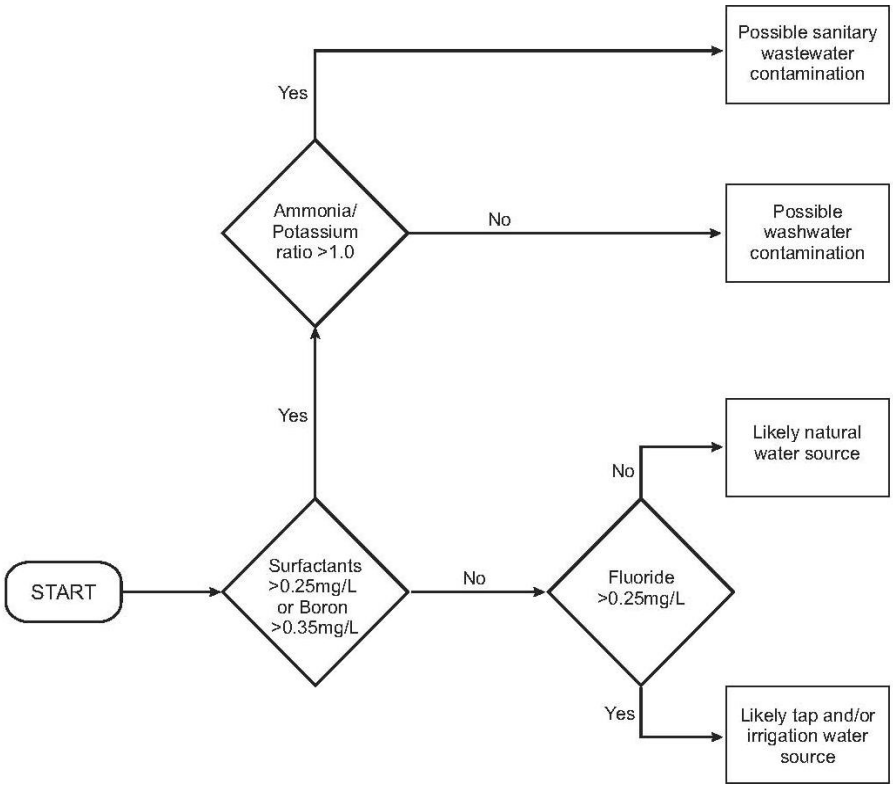
6.8.4. Evaluation of Results

The Illicit Discharge Detection and Elimination Guidance Manual recommends the use of the Flow Chart Method for identifying the type of illicit discharge. The Flow Chart Method is recommended because it is a relatively simple technique that analyzes four or five indicator parameters that are safe, reliable, and inexpensive to measure. The basic decision points involved in the Flow Chart Method for a residential area are shown in Figure 6-1.

6.9. Locating and Removing Illicit Discharges

When episodic incidental pollution is reported to the County (e.g., motor oil dumped into a storm drain), the County shall record the date, location, information source, and description of the event. If necessary, field personnel shall be sent to investigate and to determine if the site should be cleaned (e.g., removal of yard waste, containment of oil, etc.). After inspection and/or cleanup, the County shall keep a record of all actions taken regarding the incident.

Figure 6-1
Flow Chart to Identify Illicit Discharges in Residential Areas



6.9.1. Locating Illicit Discharges

If a suspect illicit discharge is identified during the outfall reconnaissance inventory, field personnel shall try to locate the source of the illicit discharge before proceeding to the next outfall. Field personnel shall employ the following techniques to locate the suspect illicit discharge:

- Storm Sewer System Evaluation – Field personnel shall attempt to follow the suspect illicit discharge up the storm sewer system to identify its source.
- Drainage Area Evaluation – Field personnel shall conduct a "windshield" survey of the drainage area to identify its source.
- If the source of an illicit discharge is located, field personnel shall report the location and source of the illicit discharge to the Storm Water Program Coordinator.

Upon receipt of the analytical results from samples collected of the suspect illicit discharge, the Storm Water Program Coordinator shall coordinate and/or perform a more detailed investigation to identify the source of a suspect illicit discharge.

- Analytical Results Evaluation – Evaluate the analytical results to characterize the type of illicit discharge.
- Detailed Storm Sewer System Evaluation – Using best available maps and data, attempt to follow the suspect illicit discharge up the storm sewer system to identify its source. Investigation methods may include dye tracing, video inspection of storm sewer system, specialized contractors, and other methods as appropriate.
- Drainage Area Evaluation – Review the land used and types of facilities located within the drainage area. Conduct a survey of potential generating sites to identify the source of the illicit discharge.

6.9.2. Removing Illicit Discharges

After the source of an illicit discharge has been identified, the Storm Water Program Coordinator shall take appropriate actions to abate the illicit discharge.

6.10. Spill Response

The County's Emergency Management Agency (EMA) is responsible for responding to any type of spill that may occur within the MS4 Area. If a spill enters the MS4, the EMA shall notify the Storm Water Program Coordinator. The Storm Water Program Coordinator shall evaluate the impacts of the spill on the MS4 and ensure appropriate corrective measures are taken to abate the spill. Follow-up inspections of the affected area shall be performed as needed.

6.11. Website Citizen Complaint Reporting

The County has an environmental complaint form on its website. Citizens can go to the site and submit potential illicit discharge complaints.

6.12. Sanitary Sewer System

Residents within the County's portion of the MS4 boundary are provided with sanitary sewer service by one of the following sources;

1) Sanitary Sewer System; or,
2) On-Site Sewage Disposal.

6.12.1. Sanitary Sewer Systems

Portions of the County's MS4 Area may be serviced by a sanitary sewer system operated by the adjacent municipalities. If the County observes any problems with the sewer system, the County shall report the problem to the following:

City of Daphne
Jesi Ward
(251) 621-3080

City of Fairhope
Christina Lejeune
(251) 990-2887

City of Spanish Fort
Caleb Harper
(251) 626-4884

6.12.2. Baldwin County Health Department

Some residents located within the County's MS4 area may utilize on-site sewage disposal systems. The Alabama Department of Public Health has regulatory authority for the design, permitting, construction, and maintenance of individual on-site sewage disposal systems. If the County observes any problems with an on-site sewage disposal system, the County shall report the problem to the following:

Baldwin County Health Department
Environmental
(251) 937-6935 Bay Minette
(251) 947-1910 Robertsdale

As the County acquires data regarding the location of on-site sewage disposal systems, the County will update GIS data and maps to incorporate the best available data.

6.13. Enforcement

An effective illicit discharge and detection program uses an escalating scale of enforcement action to abate illicit discharges. Due to limited home rule, Baldwin County does not have the authority to create or adopt an Illicit Discharge Ordinance. Through the subdivision regulations and education, the County is encouraging the prevention of illicit discharges. The current procedure is to report illicit discharge complaints to the appropriate agency such as the Baldwin County Health Department or ADEM. In addition, the County can only maintain what is in the County right-of-way. It cannot maintain private subdivision storm water systems. The County will investigate its ability to require maintenance in Zoned areas.

6.14. Staff Training

Staff selected to perform the outfall reconnaissance inventory shall receive IDDE training. The strategy and goals for staff training will be listed in the program goals spreadsheet. All training and other program goals data shall be submitted in the annual report.

6.15. Standard Operating Guidance

The County has developed Standard Operating Guidance (SOGs) for the various activities required for implementing the Illicit Discharge Detection and Elimination Program. SOGs shall include but are not limited to the following:

- Sampling equipment use, maintenance and storage;
- Outfall Reconnaissance Inventory;
  - Field procedures
  - Data collection
  - Data management

- Sample Collection
- Illicit discharge evaluation; and,
- Hazardous materials.

SOGs shall be included in Appendix C.

6.16. Program Goals

The County has developed realistic, achievable, and measurable goals and performance milestones to measure the progress in implementing the Illicit Discharge Detection and Elimination Program. Program goals are summarized in Table 6-2.

6.17. Program Evaluation

The most basic measure to evaluate the program effectiveness is to evaluate whether the program goals are being met. At the end of the permit year, the County will evaluate the program goals and overall effectiveness of the Illicit Discharge Detection and Elimination Program. Results of the program evaluation will be summarized in the Annual Report.

Table 6-2
Illicit Discharge – Program Goals

2021-2026 Table 6-2 Baldwin County Phase II MS4
MCM 2 IDDE Strategies and Goals

NPDES Permit Section	SWMPP Section	6-Illicit Discharge Detection and Elimination Strategy	Goal	Pollution Targeted	Responsible Departments	2021/2022 Proposed	2021/2022 Achieved	2022/2023 Proposed	2022/2023 Achieved	2023/2024 Proposed	2023/2024 Achieved	2024/2025 Proposed	2024/2025 Achieved	2025/2026 Proposed	2025/2026 Achieved
Part III-2ai	6.4	Data Management	Throughout the permit cycle, the County will continue to improve and update its stormwater infrastructure inventory and inspection process	All	Hwy & P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
Part III-2aiii	6.7	Outfalls Screened	The County will screen 15% a year of major outfalls with 100% being screened during permit cycle	All	Hwy & P&Z	***	***	✓	✓🗀 15%	✓	✓🗀 100 %	©	©	©	©
Part III-2aiii	6.8.4	Evaluation of Results	Evaluate field assessments and inspections to establish priority areas and major outfalls for more focused inspections	All	Hwy & P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
Part III-2a	6.10	Spill Response	Throughout the permit cycle, the County's EMA is responsible for tracking reported spills and potential Illicit discharges. Data will be submit in annual report	All	EMA, Hwy & P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓	✓	✓🗀
Part III-2avii	6.11	Website Citizen Complaint Reporting	Throughout the permit cycle, the environmental complaint form on the County website will be maintained and updated as needed	All	Hwy & P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓	✓	✓
Part III-2aii	6.13	Enforcement	In year one (1), the County's will have legal review its authority in zoned areas to determine if an IDDE ordinance can be implemented	All	Hwy & P&Z	***	***	✓	🗀	©	©	©	©	©	©
Part III-2aviii	6.14	Staff Training	Provide IDDE training to new employees with program responsibilities including but not limited to *Understanding Your Stormwater Management Plan*	All	Hwy & P&Z	***	***	✓	🗀	*	*	✓	✓	✓	✓🗀
Part III-2aviii	6.14	Staff Training	Provide additional stormwater training as needed during permit cycle to employees with program responsibilities	All	Hwy & P&Z	***	***	*	*	*	*	✓	✓	✓	✓🗀
Part III-2aiv	6.15	Standard Operating Guidance (SOG)	Throughout the permit cycle, the County will review and update its Standard Operating Guidance documents	All	P&Z	***	***	✓	🗀	*	*	✓	✓	*	*
Part III-2b	6.17	Program Evaluation	Throughout the permit cycle, review the IDDE minimum control measure strategies and goals achieved , prepare an annual report and update the SWMPP	All	P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
					Totals	***	***	9	9	6	6	8	8	**7**	**7**

P&Z	Planning & Zoning
©	Completed for Permit Cycle
*	Not Proposed for Permit Year
**	Completed Prior to Proposed Year
***	Spreadsheet Not Used for 2021/2022 Reporting Period
X	Not Completed-Goal Not Met
🗀	Attachment Included in Report

7. Construction Site Runoff

7.1. Introduction

The variety of pollutants present at a construction site and the severity of their potential effects to receiving waters are dependent upon several factors:

- Nature of construction activity – During clearing and grading activities, the primary pollutant of concern is sediment. As the construction activity progresses in the building phase other potential pollutants of concern include concrete wash, paints, stucco, pesticides, herbicides, fertilizers, cleaning solvents, asphalt products, scrap wood, metal, glass, trash debris, etc.

- Physical characteristics of the construction site – Potential pollutants at a construction site are carried off in storm water runoff. Construction sites can potentially increase the intensity and volume of storm water runoff resulting in an increase of pollutant loadings.

- Proximity of surface waters – The closer the construction activity is to a surface water increase the potential impacts to surface waters.

Baldwin County has developed and continuously implemented a Construction Site Runoff Program to monitor and control pollutants in storm water discharges to the MS4 from the following land disturbing activities:

- Minor Project – Land disturbance activities less than one (1) acre limited to single family homes and accessory structures;

- Major Project – Land disturbance activity equal to or greater than one (1) acre or land disturbance involving less than one (1) acre that is part of a larger common plan of development; and,

- All other land disturbance activities that are not exempted from obtaining a permit. Land disturbing activities that are exempted from obtaining a permit are defined in Section 13.12 of the Baldwin County Zoning Ordinance.

This Construction Site Runoff Program has been developed using the following guidance materials:

- NPDES Permit No. ALR040042;
- Developing Your Storm Water Pollution Prevention Plan, A Guide for Construction Sites, Environmental Protection Agency, EPA 833-R-06-004, May 2007. The document can be found at the following link: Developing a Stormwater Pollution Prevention Plan (SWPPP) | US EPA;
- Alabama Handbook for Erosion Control, Sediment Control, and Storm Water Management on Construction Sites and Urban Areas, Alabama Soil and Water Conservation Committee, 2022. The Handbook can be found at the following link: 20220801_HandBook_Vol_1.pdf (alabamasoilandwater.gov)
- Baldwin County Territory with Probable Exposure to Flooding Ordinance Ordinances and Regulations;
- Baldwin County Zoning Ordinance Ordinances and Regulations; and,
- Baldwin County Subdivision Regulations Ordinances and Regulations.

These documents are incorporated into the Construction Site Runoff Program by reference and are available in the office of the Storm Water Program Coordinator.

7.2. Requirements and Control Measures

The County's Construction Site Runoff Program will require owners and/or operators of construction sites to select, design, install, implement, inspect, and maintain effective Best Management Practices (BMPs) to minimize the discharge of pollutants into the MS4 to the maximum extent practicable (MEP).

7.2.1. Erosion and Sediment Controls

The owner and/or operator shall select, design, install, implement, inspect, and maintain BMPs appropriate to specific site conditions to, at a minimum;

1. Control storm water volume and velocity within the site to minimize soil erosion;
2. Control storm water discharges, including both peak flow rates and total storm water volume, to minimize erosion at outlets and to minimize downstream channel and stream bank erosion;

3. Minimize the disturbance of steep slopes;

4. Minimize sediment discharges from the site;

5. Minimize the generation of dust and off-site tracking of sediment from vehicles;

6. Stabilize all construction entrances and exits;

7. Provide and maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration, unless infeasible; and,

8. Implement measures or requirements to achieve the pollutant reductions consistent with a Total Maximum Daily Load (TMDL) finalized or approved by EPA.

7.2.2. Soil Stabilization

Stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating, or other earth disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 13 calendar days.

7.2.3. Dewatering

Discharges from dewatering activities, including discharges from dewatering of trenches and excavations are prohibited unless managed by appropriate BMPs.

7.2.4. Pollution Prevention Measures

The owner and/or operator shall select, design, install, implement, and maintain effective pollution prevention measures to minimize the discharge of pollutants. At a minimum, such measures must be designed, installed, implemented, and maintained to:

1. Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge;

2. Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides,

detergents, sanitary waste, and other materials present on the site to precipitation and to storm water; and,

3. Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures.

7.2.5. Prohibited Discharges

The following discharges are prohibited:

1. Wastewater from washout of concrete, unless managed by an appropriate BMP;
2. Wastewater from washout and cleanout of stucco, paint, from release oils, curing compounds, and other construction materials;
3. Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance; and,
4. Soaps or solvents used in vehicle and equipment washing.

7.2.6. Surface Outlets

When discharging from basins and impoundments the owner and/or operator shall utilize outlet structures that withdraw water from the surface, unless infeasible.

7.3. Permitting

Before the commencement of any land disturbing activity that is not exempted from obtaining a permit under Section 13.13.10 of the Zoning Ordinance, the owner and/or operator of the construction site is required to submit a Land Disturbance Application for approval of the Erosion Control Plan. The Land Disturbance Application requires the following information:

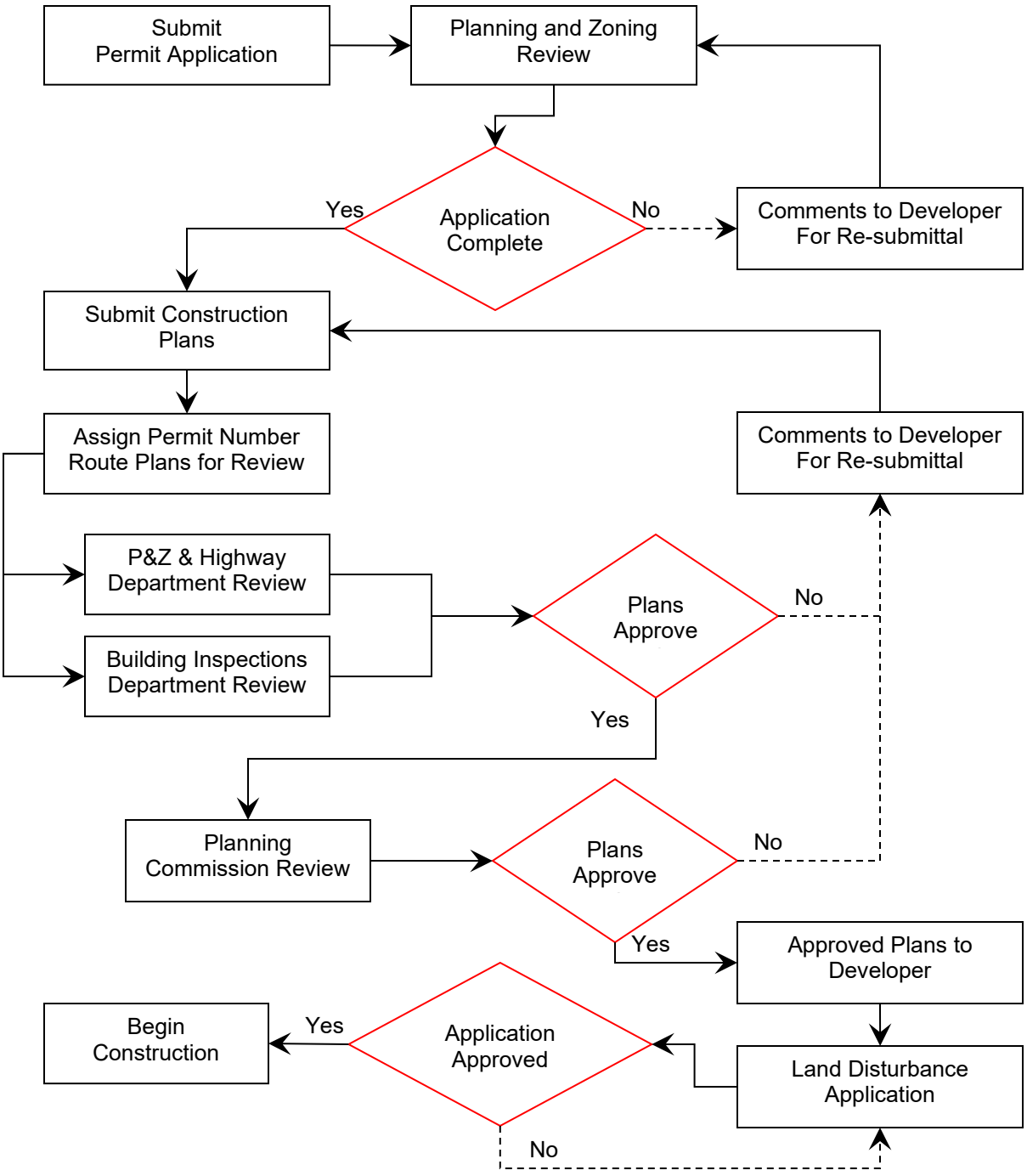
- Applicant Information;
- Site Information;
- Project Description;
- Type of Construction;
- If the proposed construction activity is required to obtain a General NPDES Permit for construction activity from ADEM, a copy of the Notice of Intent (NOI) submitted to ADEM, and a copy of ADEM's authorization under the General NPDES Permit;
- Erosion Control Plan; and,

- Application Fee.

The Land Disturbance Application and required submittals can be accessed within the County's Online Citizen Serve Portal at Citizenserve Online Portal.

Land Disturbance Applications are submitted to the Planning and Zoning Department. The permitting and plan review process is provided in Figure 7-1.

Figure 7-1
Permitting and Plan Review Flow Chart



7.4. Plan Review

Before the commencement of any land disturbing activity that is not exempted from obtaining a permit under Section 13.13.10 of the Zoning Ordinance, the owner and/or operator of the construction site are required to submit a Zoning Site Plan or Land Disturbance Application for approval of the Construction Best Management Practices Plan (CBMPP) for both Minor and Major projects. Section 13.12.5 of the Zoning Ordinance defines the requirements for the content of the CBMPP. BMPs selected for the site shall be designed, sized, and/or maintained in accordance with the following references:

- Alabama Handbook for Erosion Control, Sediment Control, and Storm water Management on Construction Sites and Urban Areas, Alabama Soil and Water Conservation Committee, March 2009; and,

- Developing Your Storm water Pollution Prevention Plan, A Guide for Construction Sites, Environmental Protection Agency, EPA 833-R-06-004, May 2007.

Review of the CBMPP for Subdivisions are performed in the P&Z Department by personnel that are registered professional engineers knowledgeable in the many facets of design, storm water management, erosion and sediment control, and construction. The County has developed a checklist for CBMPP (Land Disturbance Permit Checklist) review to ensure consistency with the CBMPP section of the Zoning Ordinance. The checklist can be found at the following link: CBMPP Form Construction Site Inventory

The County shall continuously maintain an updated inventory of all active construction sites within the County's MS4 area.

7.5. Inspections

The Planning Department and/or Highway Department Permit Division shall review the Erosion Control Plan, design plans, and all applicable project documents. All inspections and activities associated with the project will be tracked by the permit number.

The Code Enforcement Officer, Planning & Zoning & subdivision inspectors shall maintain the Qualified Credentialed Inspector (QCI) certification.

7.5.1. Initial Inspection

Once all BMPs have been installed in accordance with the CBMPP, the Developer to proceed with construction of the project.

7.5.2. Periodic Inspections

The County's inspectors shall be QCI certified and shall evaluate BMPs at the site. The inspection shall address the following:

- Inspect all discharge points from the site;
- Inspect perimeter controls;
- Compare installed BMPs with the Erosion Control Plan;
- Inspect disturbed areas not currently being worked;
- Inspect areas with final stabilization;
- Inspect perimeter areas; and,
- Request copies of the Developer's inspection reports.

If deficiencies are noted during the inspection, the P&Z site inspector shall discuss the nature of the deficiencies with the Developer. The Developer shall be given 48 hours to correct all deficiencies noted by the inspector. The inspector shall document the results of the inspection and schedule the site for re-inspection.

Routine BMP inspections shall occur for qualifying sites on a monthly basis. The inspection frequency may be increased depending upon the following:

- Status of construction;
- Site conditions;
- Site size;
- Site location;
- Site proximity to sensitive waters and/or areas;
- Type of construction;
- Historical performance and/or issues with the Developer; and,
- Significant storm events.

7.5.3. Re-Inspection

If a site fails the routine inspection, the site shall be scheduled for a re-inspection within 48 hours. The re-inspection shall focus on areas that were determined deficient during the routine inspection. If all deficiencies have been corrected, the inspector shall continue with periodic inspections. The results of the inspection will be documented in the County's permit database.

7.5.4. Final Inspection

For qualifying sites, upon completion of all construction activity, the Developer shall request a final inspection. The inspection shall address the following:

- Inspect all discharge points from the site;
- Inspect areas with final stabilization;
- Inspect perimeter areas;
- Request copies of the Developer's inspection reports; and,
- Request copy of the Termination of Registration letter from ADEM.

If deficiencies are noted during the inspection, the inspector shall discuss the nature of the deficiencies with the Developer and the Developer shall be asked to reschedule the final inspection. The inspector shall document the results of the inspection and schedule the site for re-inspection.

7.6. Enforcement

The CBMPP section of the Zoning Ordinance provides P&Z with an escalating scale of enforcement action for violation of any provision in the ordinance. A flow chart showing the escalating scale of enforcement action is provided in Figure 7-2 and further described in the sections below.

7.6.1. Verbal Warning

If deficiencies are noted during an inspection, the inspector shall discuss the nature of the deficiencies with the Developer. The following actions shall be taken to abate any violations:

- The Developer shall be given a verbal warning and 48 hours to correct all deficiencies noted on the inspection;
- The county inspector shall perform a re-inspection within 48 hours; and,
- If the deficiencies are not corrected within 48 hours of the verbal warning, the inspector shall determine if the enforcement action should be escalated to a Stop Work Notice.

7.6.2. Stop Work Notice

If a Developer has been issued a verbal warning and continues to violate any provision of the Erosion Control Ordinance, the Code Enforcement Officer may issue a Stop Work Notice to the Developer. The Stop Work Notice shall require

the Developer to stop all work immediately and to take all appropriate remedial or preventive actions as may be required to abate all violations.

If the violation is not corrected immediately, the Code Enforcement Officer shall notify the Planning and Zoning Director to determine if the enforcement action should be escalated to a written notice of violation.

7.6.3. Notice of Violation

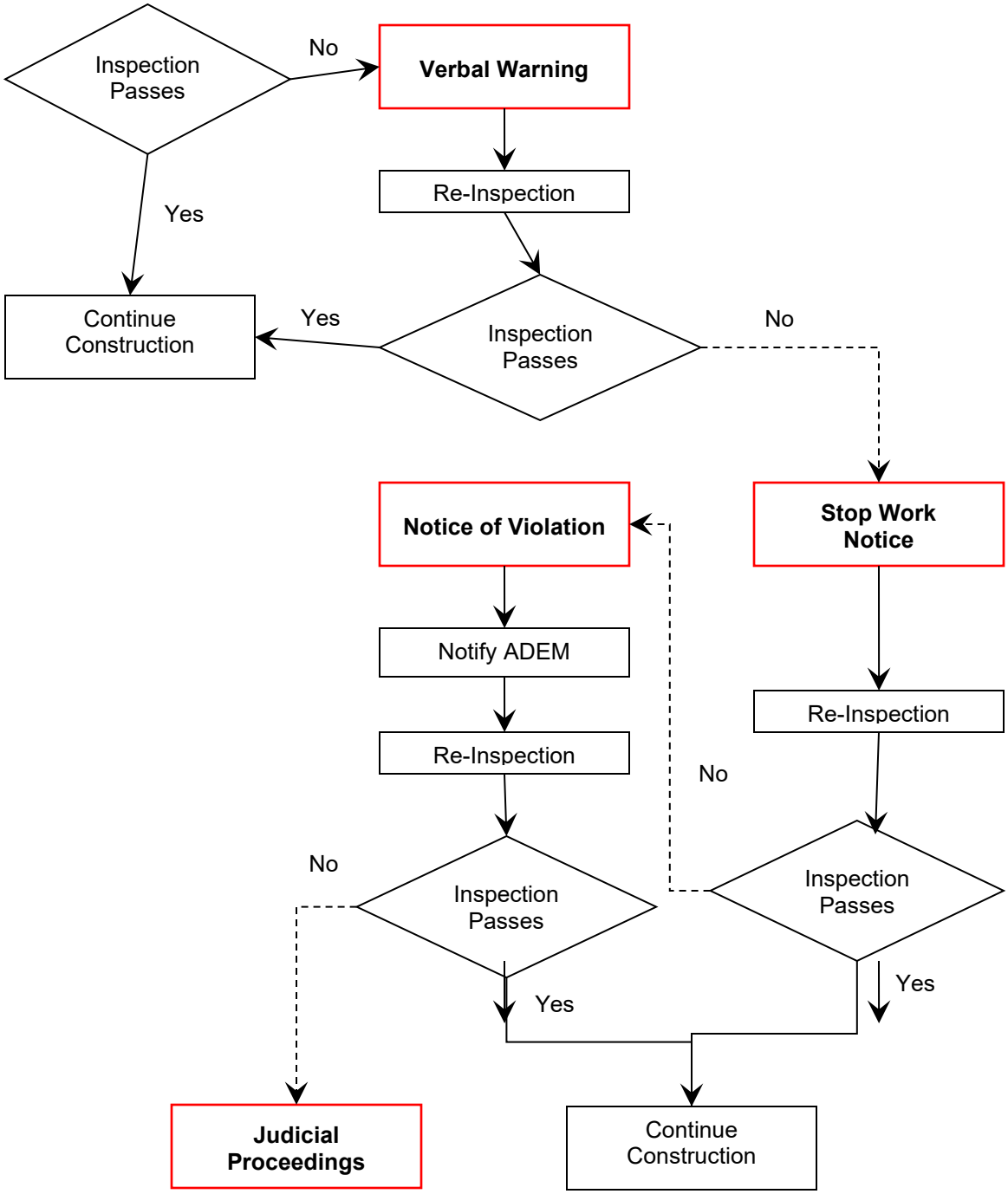
If the Planning and Zoning Director determines that a Developer has violated and/or continues to violate any provision of the CBMPP section of the Zoning Ordinance, the Planning and Zoning Director or his designee may issue the Developer a written Notice of Violation. At a minimum, the Notice of Violation shall contain the following:

- Name and address of alleged violator;
- Location or address of the site where the violation occurred;
- Nature of the violation;
- Description of the remedial actions required to abate the violation;
- Description of the penalties that may be assessed;
- Description of the appeal procedures;
- Time frame for abating the violation; and,
- If the violation is not abated within the specified time frame, the County may utilize its resources to abate the violation.

Upon issuance of a written Notice of Violation, the county inspector shall notify ADEM regarding the status of the site.

If the violation is not corrected within the time frame specified in the Notice of Violation, the Planning and Zoning Director shall determine if the enforcement action should be escalated to Judicial Proceedings.

Figure 7-2
Enforcement Action Flow Chart



7.6.4. Judicial Proceedings

If a Developer has been issued a written Notice of Violation and continues to violate any provision of the CBMPP Ordinance, the Planning and Zoning Director may recommend to the County Commission to initiate legal proceedings against the Developer.

The Planning and Zoning Director, with the consent of the County Commission, may also initiate civil proceedings seeking monetary damages for any damages caused to public storm water facilities by the Developer and may seek injunctive or other equitable relief to enforce compliance with the CBMPP Ordinance.

7.6.5. Fines and Penalties

Any person guilty of a violation; and each day of such violation, failure, or refusal to comply with all provisions of the CBMPP section of the Zoning Ordinance shall be deemed a separate offense and punishable accordingly. Any person found to be in violation of any provision of the CBMPP section of the Zoning Ordinance shall be punished by a fine of not more than one hundred and fifty dollars ($150) per day for each offense.

7.7. Website Citizen Complaint Reporting

The County has an environmental complaint form on its website (Building Department (baldwincountyal.gov)). Citizens can go to the site and submit erosion and sediment control, and other construction related complaints.

7.8. Staff Training

The Planning and Zoning Department and Highway Department Permit Division have been tasked with the responsibility of implementing the Construction Site Runoff Program. All inspectors shall maintain current certification as a Qualified Credentialed Inspector (QCI). To further support this program element, the Storm water Program Manager may select additional staff to obtain and maintain either a Qualified Credential Professional (QCP) or QCI certification.

Staff shall receive annual refresher training. Copies of the current QCI training certificates and other applicable training shall be maintained in the County's Annual Report.

7.9. Program Goals

The County has developed realistic, achievable, and measurable goals and performance milestones to measure the progress in implementing the Construction Site Runoff Program. Program goals are summarized in Table 7-1.

7.10. Program Evaluation

The most basic measure to evaluate the program effectiveness is to evaluate whether the program goals are being met. At the end of the permit year, the County will evaluate the program goals and overall effectiveness of Construction Site Runoff Program. Results of the program evaluation will be summarized in the Annual Report.

Table 7-1
Construction Site Runoff – Program Goals

2021-2026 Table 7-1 Baldwin County Phase II MS4
MCM 3 Construction Site Stormwater Runoff Control Strategies and Goals

NPDES Permit Section	SWMPP Section	7-Construction Site Stormwater Runoff Control Strategies	Goal	Pollution Targeted	Responsible Departments	2021/2022 Proposed	2021/2022 Achieved	2022/2023 Proposed	2022/2023 Achieved	2023/2024 Proposed	2023/2024 Achieved	2024/2025 Proposed	2024/2025 Achieved	2025/2026 Proposed	2025/2026 Achieved
Part III-3a	7.1	Construction Site Stormwater Runoff Control	Review and updated as needed the ordinances (Zoning, Subdivision, & Territory with Probable Exposure to Flooding) that regulate erosion control review procedures, & inspections.	Sediment, Oils, Paints, & Trash	P&Z	***	***	✓	🗀	*	*	*	*	*	*
Part III-3a	7.1	Construction Site Stormwater Runoff Control	In year one (1), review existing Construction Runoff Program and update as needed to meet new permit requirements.	Sediment, Oils, Paints, & Trash	P&Z	***	***	✓	🗀	*	*	*	*	*	*
Part III-3ai	7.3	Construction Site Stormwater Runoff Control	In year one (1), review Standard Operating Guidance/Checklist/Flow Charts and update as needed to meet new permit requirements.	Sediment, Oils, Paints, & Trash	P&Z	***	***	✓	✓	*	*	*	*	*	*
Part III-3ai	7.4	Plan Review & Permitting-Construction sites associated with Sensitive Areas Such as Beaches, Waterways and Wetlands	Within the County's MS4 boundary, review subdivision and zoning applications that contain beaches, waterways and wetlands to ensure compliance with County, State and Federal permit requirements.	Sediment, Oils, Paints, & Trash	P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-3ai	7.4	Plan Review & Permitting- Subdivision & Zoning Ordinance Erosion Control Sections	Within the County's MS4 Boundary, review subdivisions & zoning applications for compliance with the County's Erosion Control Ordinance & ADEM's NPDES General Construction Permit, track and submit data in annual SWMPP report.	Sediment, Oils, Paints, & Trash	Hwy & P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓	✓	✓🗀
Part III-3avi	7.6	Inspections	In years one (1) through five(5),within the County's MS4 boundary, inspect qualifying subdivision & zoned construction sites as per permit requirements.	Sediment, Oils, Paints, & Trash	Hwy & P&Z	***	***	✓	✓	✓	✓🗀	✓	✓	✓	✓🗀
Part III-3avi	7.6 & 7.7	Inspections	In years one (1) through five(5),track construction site inspections including enforcement actions, and complaints within the County's MS4 boundary.	Sediment, Oils, Paints, & Trash	Hwy & P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓	✓	✓🗀
Part III-3aix	7.8	Website Citizen Complaints Reporting	Throughout the permit cycle, the County will maintain and update as needed the Environmental Complaint Form on the Baldwin County Website.	Sediment, Oils, Paints, & Trash	Solid Waste & P&Z	***	***	✓	🗀	*	*	*	*	*	*
Part III-3aiii	7.9	Staff Training	Throughout the permit cycle, County staff responsible for erosion and sediment control inspections and complaints will be trained in the identification of appropriate construction BMPs. Training will be tracked in the annual report.	Sediment, Oils, Paints, & Trash	P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓	✓	✓🗀
Part III-3e	7.11	Program Evaluation	Throughout the permit cycle, review the Construction Site Stormwater Runoff minimum control measure strategies and goals achieved and prepare an annual report and update the SWMPP.	Sediment, Oils, Paints, & Trash	P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓🗀
					Totals	***	***	10	10	6	6	6	6	**6**	**6**
	P&Z	Planning & Zoning													
	Hwy	Highway													
	*	Not Proposed for Permit Year													
	**	Completed Prior to Proposed Year													
	***	Spreadsheet Not Used for 2021/2022 Reporting Period													
	X	Not Completed-Goal Not Met													
	🗀	Attachment Included in Report													

8. Post Construction Storm Water Management

8.1. Introduction

Post construction runoff generally has two types of impacts. First, developed areas will increase the type and quantity of pollutants in storm water runoff. When storm water flows over areas altered by development it has a potential to pick up a variety of pollutants including but not limited to trash, debris, sediment, oil, grease, pesticides, heavy metals and/or nutrients, and carry these pollutants to the streams and lakes. Second, development increases the impervious surfaces of an area resulting in an increase of storm water runoff. Increased impervious surfaces like buildings and parking lots interrupt the natural cycle of gradual percolation of storm water through the vegetation and soil. Instead, storm water is collected on the impervious surface and conveyed to drainage systems where increase volumes of storm water runoff enter the stream quickly. As a result, stream banks are more susceptible to scouring and the downstream areas have a higher potential for flooding.

The NPDES permit requires the County to develop, implement and enforce a program to address storm water discharges from new development and redevelopment projects that disturb greater than one acre, and projects less than one acre that are part of a larger common plan of development. Goals of this program are to:

- Retain the pre-disturbance hydrological conditions of both surface and groundwater;
- Remove suspended solids and associated pollutants entrained in storm water runoff that result from activities occurring during and after development;
- Decrease the erosive potential of increased runoff volumes and velocities associated with development;
- Preserve natural systems including in-stream habitat, riparian areas, and wetlands; and,

- Reduce the thermal impacts that result from impervious surfaces and treatment devices with large amounts of surface exposed to sunlight such as wet ponds.

8.2. Program Components

Post construction storm water management involves the implementation of structural and/or non-structural BMPs to provide permanent storm water management over the life of a property's use. It is important to recognize that many BMPs are climate dependent and not all BMPs are suitable for every site. The County shall evaluate and identify BMPs that are suitable for this area and are within the County's regulatory control. The following sections will generally describe BMPs that have been or shall be considered.

8.2.1. Development Regulations

The County has developed a comprehensive process to implement and enforce controls that help reduce pollutants in storm water runoff. Documents used to define this process as well as the requirements for development within the County include:

- Zoning Ordinance; and,
- Subdivision Regulations.

A detailed description of these documents is provided in Section 1 of the SWMP Plan. The County has incorporated various Overlay Districts within the Zoning Ordinance to provide additional protection of the County's natural resources. Overlay Districts include:

- Flood Hazard Overlay District;
- Wetland Protection Overlay District; and,
- Gulf Beach Overlay District.

The Wetland Protection Overlay District requires a minimum natural buffer of 30 feet from a wetland. Regulations governing the Overlay Districts are contained in Article 10 of the Zoning Ordinance.

The County has developed a master plan that evaluates the existing land uses, development patterns, and natural resources within the County. The County's zoning ordinance and subdivision regulations provide a mechanism to implement a post-construction storm water management program. Non-structural BMPs include, but not limited to, the following:

- Develop design standards;
- Develop plan review and approval procedures;
- Develop post construction BMP evaluation and inspection procedures; and,
- Develop BMP maintenance requirements.

The subdivision regulations contain provisions to address the quantity of post developed storm water runoff. Subdivision and commercial site plans will be reviewed to determine if they are compliant with the County's Zoning and Subdivision Requirements.

8.2.2. Low Impact Development

The updated subdivision regulations require the use of Low Impact Development for subdivision with lots with widths less than eighty (80') feet. The subdivision regulations regarding LID are listed below:

> ***5.11.3 Low Impact Development Techniques (LID) and Green Infrastructure Drainage Systems*** *The use of Low Impact Development Techniques (LID) and Green Infrastructure (GI) is encouraged for new developments. Where implemented, the design and integration of LID techniques shall promote the health, safety, and general welfare of the community and shall be designed to work in a complementary fashion with the proposed development drainage plan.*
>
> > *(a) Where LID techniques are used in conjunction with the requirements of Section 5.1.1 of these regulations, a Developer will qualify for reduced lot widths of 60 feet. The Applicant must verify that the proposed LID techniques retain the first one (1) inch of stormwater runoff, reduce suspended solids by 80%, and reduce nutrient loading by 50% to qualify for reduced lot widths.*
> >
> > *(b) Where implemented, LID techniques must be designed from an entire site development perspective by the Engineer of Record for the project. Practices shall be designed in accordance with the current Alabama LID Handbook and certified by a credentialed design professional. Selected LID techniques shall consider local rainfall data, soils, slopes, wetlands, and other natural features.*
> >
> > *(c) The Design Engineer shall work closely with the Baldwin County Planning & Zoning and Highway Departments for consideration of site constraints and LID technique selection to achieve a "best-fit" solution.*

(d) The development plans shall include inspection and maintenance schedules and details for each technique selected. Prior to the County's final inspection, the Design Engineer shall provide certification that each technique was constructed as designed. The inspection and maintenance schedule shall be included in the development's recorded O&M Plan.

For other subdivisions and commercial sites, where feasible, the County shall consider and encourage developers to utilize Low Impact Development (LID) and/or green infrastructure BMPs to minimize the post construction impacts of storm water runoff. The use of the Low Impact Development Handbook for the State of Alabama is encouraged. A copy of the handbook can be found at the following link: LID Handbook.indb (alabama.gov)

8.2.3. Conservation Development

The County has developed regulations and requirements for Conservation Development. The purpose of Conservation Development is to provide a development option that permits flexibility of design in order to promote environmentally sensitive and efficient uses of the land. This development option was created to:

- Preserve in perpetuity unique or sensitive natural resources such as groundwater, floodplains, wetlands, streams, steep slopes, woodlands, and wildlife habitat;
- Preserve important historic and archaeological sites;
- Permit clustering of houses and structures on less environmentally sensitive soils which will reduce the amount of infrastructure, including paved surfaces and utility easements necessary for residential development;
- Reduce erosion and sedimentation by minimizing land disturbance and removal of vegetation in residential development through a reduced building footprint;
- Promote contiguous greenways and corridors throughout the community;
- Promote contiguous green space with adjacent jurisdictions;
- Encourage interaction in the community by clustering houses and orienting them closer to the street, providing public gathering places, and

encouraging use of parks and community facilities as focal points in the neighborhood;

- Encourage street designs which reduce traffic speeds and reliance on major arteries;
- Promote construction of convenient landscaped walking trails and bike paths both within the subdivision and connected to neighboring communities, businesses, and facilities to reduce reliance on automobiles;
- Conserve scenic views and reduce perceived density by maximizing the number of houses with direct access to and views of open space; and,
- Preserve prime agricultural and forest lands and reduce the economic pressures of converting such land to urbanized uses.

Regulations governing Conservation Developments are contained in Article 11 of the Zoning Ordinance.

8.2.4. Post Construction BMPs

There are a variety of structural BMPs capable of not only managing the volume and velocity of storm water runoff, but also provides very effective treatment of storm water runoff. Structural BMPs may include the following:

- Storm water retention / detention basins;
- Infiltration basins / trenches;
- Pervious pavement;
- Grass swales;
- Filter strips;
- Constructed wetlands; and,
- Rain gardens.

The County's latest updates to its subdivision regulations require first flush stormwater treatment design. The new language is shown below:

> **5.11.2 General Requirements** (g) First Flush Stormwater Treatment. Design, *construct, and maintain stormwater management practices that manage rainfall on-site, and prevent the offsite discharge of the first one (1) inch of stormwater. This objective must be achieved by practices that infiltrate, evapotranspiration, and/or harvest and reuse rainwater.*

8.2.5 Tracking System

The County's new P&Z permit tracking database tracks new subdivisions and has the capability to track the required private and complaint inspections.

8.2.6 Operation and Maintenance

For post-developed BMPs to be effective, routine maintenance of the BMP will be required. The County's latest updates to its subdivision regulations require Operation and Maintenance plans with inspection requirements. The new language is shown below:

> ***5.12.8 Stormwater Management Facilities Maintenance (c) Operation and Maintenance Plan*** *for the long-term operation and maintenance of all common areas including stormwater management infrastructures, retention and detention facilities, and LID practices shall be recorded in the Probate Office and submitted with the Final Plat application. The plan shall include:*
>
> *1. The approved as-built drainage plan;*
>
> *2. The chain of responsibility for maintenance of all drainage structures or systems along with a copy of the proposed instrument of organization for the Property Owners Association*
>
> *3. Continued Inspection and Maintenance. The long-term maintenance plan within the O&M Agreement contains the inspection priorities and schedule for the stormwater facilities and LID facilities.*
>
> > *(i) The Owner is responsible for inspecting these features and submitting reports to the Planning and Zoning Department every five (5) years to document that inspections have been completed and necessary maintenance has been performed.*
> >
> > *(ii) The first inspection report is due December 31 of the third year after construction has been completed.*
> >
> > *(iii) Inspection reports are then due by December 31 of every fifth year following submittal of the first report.*
> >
> > *(iv) The Planning Director or authorized representative must be notified of any change in ownership. Failure to file the five-year inspection reports and perform required maintenance activities could result in enforcement action.*

8.2.7 Training

County departments that aid in implementing the County's Post Construction Storm Water Management program include the Highway Department, Building Inspections Department and Planning and Zoning Department. The County shall evaluate potential training programs, activities and/or materials that can be used to educate the County's staff in storm water related issues. The type and frequency of training shall be determined by the Storm Water Program Manager or Coordinator.

8.3. Program Goals

The County has developed realistic, achievable, and measurable goals, and performance milestones to measure the progress in implementing a Post Construction Storm Water Management Program. Program goals are summarized in Table 8-1.

8.4. Program Evaluation

The most basic measure to evaluate the program effectiveness is to evaluate whether the program goals are being met. At the end of the permit year, the County will evaluate the program goals and overall effectiveness of post construction storm water controls to improve storm water quality. Results of the program evaluation will be summarized in the Annual Report.

Table 8-1
Post Construction Storm Water Management – Program Goals

2021-2026 Table 8-1 Baldwin County Phase II MS 4
MCM 4 Post Construction Stormwater Management in New and Redevelopment Sites Strategies and Goals

SWMPP Section	8-Post Construction Stormwater Management in New and Redevelopment Sites Strategies	Goal	Pollution Targeted	Responsible Departments	2021/2022 Proposed	2021/2022 Achieved	2022/2023 Proposed	2022/2023 Achieved	2023/2024 Proposed	2023/2024 Achieved	2024/2025 Proposed	2024/2025 Achieved	2025/2026 Proposed	2025/2026 Achieved
8.2.1	County Subdivision & Zoning Ordinance Review	Review and update county subdivision and zoning ordinances and guidance documents to reflect the applicable MS4 permit post construction requirements.	Storm water Quantity, Trash, Sediment & Paint, etc.	P&Z	***	***	✓	✓	*	*	*	*	*	*
8.2.1	County Subdivision & Zoning Ordinances	Within the County's MS4 boundary, review subdivision and zoning applications for compliance with the county's stormwater management requirements and track in annual SWMPP report	Storm water Quantity, Trash, Sediment & Paint, etc.	Hwy & P&Z	***	***	✓	✓🗀	✓	✓🗀	✓	✓🗀	✓	✓🗀
8.2.2	Promote Low Impact Development/Green Infrastructure (LID/GI)	In year one (1), review county subdivision and zoning ordinance for opportunities to incentivize the use of LID/GI	Storm Water Quantity	Planning & Zoning	***	***	✓	✓	*	*	*	*	*	*
8.2.2	Promote Low Impact Development/Green Infrastructure (LID/GI)	Throughout the permit cycle, track LID/GI BMPS implemented in the County's MS4 boundary	Storm Water Quantity	P&Z	***	***	✓	✓	✓	✓🗀	✓	✓🗀	✓	✓
8.2.5	Perform Field Evaluations and Long-term Maintenance and Monitoring of Best Management Practices	In year one (1), review the county's subdivision & zoning ordinance to determine if the county has the authority to inventory and require inspections and maintenance of private stormwater facilities (SWF) (detention basins,etc.) within its MS4 Boundary's zoned districts.	Storm water Quantity, Trash, Sediment & Paint, etc.	Hwy & P&Z	***	***	✓	✓🗀	*	*	*	*	*	*
8.2.5	Perform Field Evaluations and Long-term Maintenance and Monitoring of Best Management Practices	If it is determined that the County has the authority to perform the inventory and maintenance of SWF , in years two (2) and three (3) within the county will create a inventory and inspection program that requires annual inspections of all public and private stormwater management facilities to evaluate performance and design	Storm water Quantity, Trash, Sediment & Paint, etc.	Hwy & P&Z	***	***	*	*	*	*	✓	✓	*	*
8.2.5	Perform Field Evaluations and Long-term Maintenance and Monitoring of Best Management Practices	If it is determined that the County has the authority to perform the inventory and maintenance of SWF , for the remainder of the permit cycle years four (4)& five (5), within the County's MS4 boundary zoned districts, the County will implement the program and track all data in the annual report	Storm water Quantity, Trash, Sediment & Paint, etc.	Hwy & P&Z	***	***	*	*	*	*	*	*	✓	✓
8.2.7	Low Impact Development/Green Infrastructure (LID/GI)	During the permit cycle, provide at least one LID/GI training to the County's Planning Commission & staff	Storm Water Quantity	P&Z	***	***	1	1🗀	*	*	*	*	*	1🗀
8.2.7	Low Impact Development/Green Infrastructure (LID/GI)	During the permit cycle, sponsor or provide at least one LID/GI training (workshop) to developers, consultants and engineers	Storm Water Quantity	P&Z	***	***	1	1🗀	*	*	*	*	*	1🗀
8.4	Program Evaluation	Throughout the permit cycle, review the Post Construction minimum control measure strategies and goals achieved and prepare an annual report and update the SWMPP	Storm water Quantity, Trash, Sediment & Paint, etc.	P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
		Total Goals			***	***	8	8	3	3	4	4	**4**	**5**

Hwy	Highway
P&Z	Planning & Zoning
*	Not Proposed for Permit Year
**	Completed Prior to Proposed Year
***	Spreadsheet Not Used for 2021/2022 Reporting Period
X	Not Completed-Goal Not Met
🗁	Attachment Included in Report

9. Pollution Prevention / Good Housekeeping

9.1. Introduction

Pollution prevention / good housekeeping for municipal operations is a control measure designed to emphasize the operation and maintenance of the MS4 and proper training of County employees. Performing activities in a careful and proper manner prevents and/or reduces the potential of polluting storm water runoff. Operations specifically identified in the NPDES permit include the following:

- Park and open space;
- Fleet and building maintenance;
- New construction and land disturbances;
- Storm sewer system maintenance;
- Roads and highways;
- Municipal parking lots;
- Maintenance and storage yards;
- Waste transfer stations; and,
- Recycling centers.

9.2. Program Components

The pollution Prevention / Good Housekeeping Program is a key element to help the MS4 to reduce potential pollutants from entering storm water runoff. This control measure requires the County to evaluate existing facilities and operations to identify areas of improvement that will help ensure a reduction in the amount and type of potential pollutants.

9.2.1. County Facilities

The first step is to evaluate and assess the areas and facilities to determine which activities may currently have a negative impact on water quality and to find solutions for these activities. The simplest solution is to limit the number of activities that are performed outside and exposed to storm water.

9.2.1.1. Facility Inventory

The County has completed an inventory of County facilities and areas that have a potential to interact with storm water runoff. Baldwin County has two (2) public

facilities located in Fairhope's MS4 area and two parks, a landfill and community center located in the County's MS4 area. The County will update the MS4 Facility inventory and map as new facilities are built.

9.2.1.2. Facility Assessment

A comprehensive facility assessment is necessary to identify the facilities most likely to contribute storm water pollutants and the facilities in need of storm water controls. The facility assessments shall involve a detailed site inspection to identify improperly stored materials, activities that should not be performed outside, and poor housekeeping practices. The assessment shall include a summary of any ADEM permitted activities such as Underground Fuel Storage Tanks (UST).

9.2.2. Structural Controls

The County maintains approximately 104.79 miles of paved roads, approximately 0.19 miles of unpaved roads and 11 bridges within the County's MS4 Area. The storm sewer system associated with these roads consists of box culverts, side drains, cross drains, and storm sewer systems. Box culverts, cross drains, and side drains are typically located along the roads to convey storm water either underneath the road or along the road. Storm sewer systems are typically located within residential developments.

9.2.2.1. Drainage Swales

The portion of the County within the MS4 boundary consists of flat to very mild sloping terrain with generally well-draining soils. These two features are important to determine the most applicable method of storm water collection. Flatter terrain can increase the time for storm water conveyance, reduce the amount of peak discharge at a given point, and reduce the probability of channel erosion. Well-draining subsurface soils allow infiltration of storm water, particularly if the drainage swales allow for increased time of storm water conveyance.

The majority of roads located within the County's MS4 Area have open grass drainage swales that parallel both sides of the road. Based upon typical soils, size of swales, and relatively flat slopes, grass drainage swales allow for low flow velocities, storm water storage, and some infiltration. The vegetation also prevents channel and side slope erosion, filters sediment, and provides some nutrient uptake.

9.2.2.2. Storm Sewer Systems

Portions of the County's MS4 Area may be serviced by a sanitary sewer system operated by the adjacent municipalities. If the County observes any problems with the sewer system, the County shall report the problem to the following:

City of Daphne
Jesi Ward
(251) 621-3080

City of Fairhope
Nicole Love
(251) 990-2887

City of Spanish Fort
Caleb Harper
(251) 626-4884

9.2.2.3. Data Management

The County has a dedicated GIS/CIMS manager responsible for obtaining, developing, and maintaining the County's Graphic Information System (GIS) data and system. The County's GIS data includes mapping layers for box culverts, storm sewer pipes, storm sewer inlets and cross drainpipes. Select attribute data for mapping layers used by the County include, but are not limited to, the following:

- Pipe shape;
- Material type;
- Number of barrels;
- Pipe size;
- Rip rap at inlet and/or outlet;
- Condition;
- Markers;
- Pipe length; and,
- Photographs.

The County has an on-going effort to update and maintain the information and data contained in the GIS system. To complement the GIS system, the County uses a Computer Information Management System (CIMS) to track time and activities associated with inspection and maintenance. County staff involved with maintenance will complete a Maintenance Activity Sheet on a daily basis that identifies where and what work was completed as well as who and the equipment

used to complete the work. This information is entered into the CIMS database. The CIMS Program provides the County with the ability to create activity reports that summarize the work performed on each structure for a time period of interest. A list of Activity Codes and an example of the Maintenance Activity Sheet are provided in Appendix E.

The County uses several devices to aid in field data management. They include but are not limited to a Trimble GeoExplorer, iPhone, iPad, and field computers to assist with data collection during the inventory and inspection of structural controls. The Trimble field computer integrates a rich array of functionality, including a high-yield GPS receiver with 1-to-3-meter positioning accuracy. This allows field crews to augment their GPS information and photographs while performing GIS data collection and inspection activities.

The County has developed a data form that can be used by the Trimble field computers to collect specific data for each structural control. This not only provides the field crews with an efficient method for performing data collection; but also provides a very efficient way to integrate field data into the County's GIS system.

9.2.2.4. Inspections

The County performs an inspection of all structural storm water conveyance structures on a biennial (two-year) basis. These inspections include, but are not limited to:

- Drainage elements such as ditches, erosion, pipe or drain condition, and any settlement occurring which may affect drainage watercourse;
- Shoulder roadside elements such as clearing, mowing, or encroachments maintenance; and,
- Percentage of overhead limbs on the roadway.

A scoring system is used to evaluate each of the components described above. Storm sewer system maintenance and repairs are prioritized based on the score of each structure. The higher the score, the higher priority the road will rank for maintenance or improvements. The results of the inspection are used in establishing budgets and schedule of proposed projects for the next year.

If problems are identified that require immediate attention, the inspector will complete a form and schedule the necessary repairs. The need for repairs will be identified as Urgent, Priority, or Routine and addressed as follows:

- Urgent – Schedule the repairs within the same day;
- Priority – Schedule the repairs within the next 3 days; and,
- Routine – Schedule the repairs within the next 5 days.

A copy of an Activity Sheet and the Activity Codes are provided in Appendix E.

9.2.2.5. Maintenance and Repairs

Based on the priority level assigned by the inspector, required maintenance is performed in a timely manner. Maintenance can include:

- Structure clean out of leaves, sediment, floatables, and other debris;
- Mowing, clearing, or overhead limb removal in order to prevent drain blockage or reduced storm water flow;
- Regrading of swales and ditches to allow for proper storm water flow;
- Grass seeding/planting to prevent erosion;
- Replacing or repairing any reflective markers at cross drains; and,
- Replacing storm water structures.

The County currently assigns work order codes for various maintenance activities and tracks time and money required for each activity. A copy of the activity listings is included in Appendix E.

9.2.3. Roadways

Motor vehicles can generate runoff pollutants through emissions, deposition of exhaust, discharges of fluids and solid particles while traveling and breaking. Although the runoff constituents and concentration levels vary with highway type and location, the sources of roadway runoff pollutants typically fall into one of three basic categories:

1. Vehicle traffic;
2. Deicing activities; and,
3. Vegetation management.

Potential pollutant sources from roadways that can affect water quality include:

- Solids generated from pavement wear, tire wear, engine and brake wear can increase turbidity and transport other pollutants that adhere to the particle surfaces;

- Heavy metals from lubricating oil and grease, bearing wear, tire, wear, vehicle wear, break lining wear, and moving engine parts;

- Nutrients from roadside fertilizer application can expedite algae growth and lower dissolved oxygen levels in streams, rivers, and lakes; and,

- Polycyclic aromatic hydrocarbons (PAHs) such as petroleum and ethylene glycol, resulting from spills and leaks of oil, gas, antifreeze, and hydraulic fluids.

The County maintains approximately 104.79 miles of paved roads, approximately 0.19 miles of unpaved roads and 11 bridges within the County's MS4 Area. The majority of roads located within the County's MS4 Area have open grass drainage swales that parallel both sides of the road. These swales provide a means of mitigating the negative impacts of various pollutants that can be carried off by rainfall and receiving waters.

9.2.3.1. GIS Data

The County has a dedicated GIS/CIMS manager responsible for obtaining, developing, and maintaining the County's GIS data and system. Select attribute data for mapping layers used to support the County's Roadways Program include, but are not limited to, the following:

Roadways

- Road Name
- Road District
- Length
- Surface Type
- MS4 Area

Bridges

- Bridge Name
- Road Name
- Sufficiency Rating
- Creek Name

The County has an on-going effort to update and maintain the information and data contained in the GIS system. To complement the GIS system, the County uses CIMS to track time and activities associated with roadway and bridge maintenance. County staff involved with roadway and/or bridge maintenance will complete a Maintenance Activity Sheet daily that identifies where and what work was completed as well as who and the equipment used to complete the work. This information is entered into the CIMS database. The CIMS Program provides the County with the ability to create activity reports that summarize the work performed on each road for a time of interest. A list of activity codes and an example of the Maintenance Activity Sheet are provided in Appendix E.

9.2.3.2. Planning and Design

The County utilizes a variety of environmental planning and design management practices to reduce the environmental impacts of roadways and bridges. Article 5 Development Standards of the County's Subdivision Regulations establishes planning and design requirements for roadways and bridges. Section 5.5 of this Article specifies the minimum roadway design standards that are based on roadway type (i.e., collector, residential, other) and minimum lot size.

The County's roadway design requirements minimize the pavement width based on roadway type and land use. Curb and gutter are only required for Residential (Type 1) and Non-Residential (Type A) roadways. For all other roadway types, the typical roadway cross section utilizes open drainage swales to convey storm water runoff. Open drainage swales remove roadway pollutants by filtration and allowing storm water runoff to infiltrate into the ground.

9.2.3.3. License Agreement

If a landowner(s) wants to perform some type of modification or work on a County right-of-way (ROW), the County has established a process where the landowner(s) will execute a License Agreement with the County. The License Agreement defines the work or modifications that will be performed and who is responsible for maintenance of the work or modifications. This mechanism prevents a landowner(s) from performing any work within a ROW without prior written approval from the County's Highway Department. Types of work allowed under the License Agreement include the following:

- Drainage improvements;
- Road improvements; and,
- ROW clearing.

The License Agreement does allow for beautification projects within the landowner's portion of the ROW. A copy of the License Agreement is included in Appendix F.

9.2.3.4. Road Inspections

The County performs an inspection of all paved and unpaved County roads on a biennial (two-year) basis. These inspections include, but are not limited to:

- Surface treatment elements such as surface treatment type, patching, edge repairs, and leveling;
- Shoulder conditions;

- Drainage elements such as ditches, erosion, pipe or drain condition, and any settlement occurring which may affect drainage watercourse;
- Shoulder roadside elements such as clearing, mowing, or encroachments maintenance;
- Traffic control elements including signage and striping; and,
- Percentage of overhead limbs on the roadway.

A scoring system is used to evaluate each of the components described above. Road maintenance and repairs are prioritized based on the score of each road. The higher the score, the higher priority the road will rank for maintenance or improvements. The results of the inspection are used in establishing budgets and schedule of proposed projects for the next year.

If problems are identified that require immediate attention, the inspector will complete a Problem Request and schedule the necessary repairs. The need for repairs will be identified as Urgent, Priority, or Routine and addressed as follows:

- Urgent – Schedule the repairs within the same day;
- Priority – Schedule the repairs within the next 3 days; and,
- Routine – Schedule the repairs within the next 5 days.

9.2.3.5. Bridge Inspections

Bridges for County roads are typically inspected on a bi-annual basis in accordance with NBIS standards.

9.2.3.6. Mowing

The County has crews dedicated to roadway maintenance. Typically, County ROWs are mowed a minimum of three times per season (April 1st through September 30th). Roads with higher traffic volumes or major corridors may be mowed more frequently.

9.2.3.7. Litter Control

Roadside litter control BMPs implemented by a third party to address health and aesthetic concerns also improve the quality of storm water runoff by limiting trash in runoff conveyance systems. BMPs implemented by the County include:

- Regular litter, trash, and debris removal and disposal;
- Sponsoring Adopt-a-Road program; and,
- Public education.

The Baldwin County Solid Waste Authority has contracted out the pickup of roadside litter. The litter patrol supervisor produces daily, weekly, and annual reports summarizing the areas which were cleared of litter and tracks the amount of waste collected via spreadsheets and graphs.

The County supports the Adopt-a-Mile (ALPALS - Alabama People Against a Littered State) program in conjunction with the Alabama Department of Transportation (ALDOT) and People Against a Littered State (PALS). The County's website contains a link to redirect the user to the PALS website and Adopt-a-Mile registration. Currently, 6 miles of County roads within the MS4 Area are a part of the Adopt-a-Mile program.

9.2.3.8. Resurfacing

County roads with deteriorated paved surfaces are typically overlaid with new asphalt or milled, reclaimed, and replaced with new asphalt paving, depending on the deterioration cause. When roads are overlaid, there is usually no erosion protection required since no soil is disturbed. If roads require milling and replacing, however, an erosion control plan is implemented to prevent sediment transport from the exposed road base or any other disturbed areas.

9.2.3.9. Unpaved Roads

Unpaved roads are inspected with the same regularity as paved roads. Unpaved road inspections are documented on a spreadsheet which is updated annually. Inspections include documenting ditching, surface gravel condition, environmental concerns, and maintenance issues and difficulty.

There are currently 0.08 miles of unpaved (dirt) roads within the MS4 area. Paving unpaved roads is based on priority. In 2022, the County's EAC's Dirt Road Subcommittee updated, the 25 Most Environmentally Damaging Dirt Roads of Baldwin County (Appendix G). This document along with other criteria will be used to rank stabilization/ paving status.

9.2.3.10. Deicing Activities

Based upon the County's location, winter weather is infrequent. The County spreads sand on roads with snow or ice cover. After winter weather has subsided, the County removes the sand using a small front-end loader and a street sweeper.

9.2.4. Pesticides, Herbicides and Fertilizers

Pesticides, herbicides, and fertilizers, when used properly, are helpful tools in maintaining grass and landscaped areas. However, excess use can threaten natural ecosystems, particularly through runoff to streams and rivers or by infiltration to groundwater. Because of this concern for environmental health, the NPDES Permit requires the County to evaluate the use of pesticides, herbicides, and fertilizers (PHF) to seek opportunities to reduce the use of these materials.

When all the land occupied by parks, right-of-way, easements, open space, and County facilities is added together, the County may own or control a significant portion of the land within a watershed. Maintenance of these areas frequently includes mowing, fertilization, pesticide application, herbicide application, and supplemental irrigation. Effective management and landscaping practices can significantly reduce the pollutants discharged in storm water runoff.

9.2.4.1. Facility Inventory

The County shall evaluate land under the control of the County to determine where pesticides, herbicides and/or fertilizers are being used. Areas of interest within the MS4 Area may include but are not limited to the following:

- Public parks;
- Sports complexes;
- Green space around County facilities; and,
- County right-of-way.

The County areas have been identified. A map showing the location of County Areas with respect to local rivers, streams, and water bodies will be created.

9.2.4.2. Certification and Licensing

Commercial and non-commercial application of pesticides is regulated in the State of Alabama by the Department of Agriculture and Industries (DAI). In order to maintain a pest control license, applicators are required to obtain routine training that covers the following topics:

- Pests;
- Pests control and pesticides;
- Labels and labeling;
- The environment;
- Applicator safety;
- Laws and regulations;

- Pesticide storage and disposal;
- Record keeping;
- Application equipment and calibration; and,
- Weed control.

County staff and contractors involved with the application, storage and/or disposal of pesticides, herbicides, and fertilizers on County Areas shall maintain current certification and training as required by DAI. Applicators' names, positions, certifications, and training documentation will be provided in the annual report.

9.2.4.3. Chemical Inventory

The County may use a variety of pesticides, herbicide and fertilizer chemicals on road right-of-way and County Areas. An inventory of pesticides, herbicides, and fertilizers being stored at each County facility shall be maintained by Maintenance.

Material Safety Data Sheets (MSDS) for pesticides, herbicides, and fertilizers used by County staff shall be maintained at each individual storage location. The MSDS will provide information about the chemical to include but not limited to the following:

- Chemical constituents;
- Product use;
- Dilution requirements;
- Mixing requirements;
- Storage instructions; and,
- Health and safety precautions.

Chemicals typically used by the County are summarized in Table 9-1.

Table 9-1
PHF Chemicals

Chemical Name	Type
Plateau	Herbicide
Milestone VM	Herbicide
Milestone VM Plus	Herbicide
Glyphosate	Herbicide
Ground Zero	Herbicide
Induce	Herbicide
Garlon 3A	Herbicide

9.2.4.4. Application, Storage and Disposal

Application, storage, and disposal of pesticides, herbicides, and fertilizers shall be performed in accordance with Federal and State regulations and in accordance with the manufacturer's recommendations. As Standard Operating Guidance (SOGs) is developed for application, storage, and disposal, they shall be included in the Appendix.

The County has one application truck equipped with a Legacy 6000 control system. The Legacy 6000 control systems provides the County with the capability to properly apply herbicides and fertilizers. Capabilities of this control system include:

- Fixed-rate or variable-rate application;
- Complete field mapping with hazard marking;
- Manual lightbar guidance with on-screen map display;
- Interface with automatic steering systems; and,
- Software to create detailed job reports.

9.2.5. Training

The County shall evaluate and develop a training program to educate County employees on how to incorporate pollution prevention / good housekeeping practices into County operations and facilities. Training topics may include the following:

- Federal and State storm water regulations;
- Storm water pollution prevention plan requirements;
- Significant materials and storage practices;
- Best Management Practices (BMPs);
- Non storm water discharges and evaluations;
- Site inspection and documentation protocols;
- Application of pesticides, herbicides, and fertilizers;
- Road maintenance BMPs; and,
- Facility specific standard operating guidance.

To minimize the cost and resources associated with training, the County anticipates utilizing training programs and materials that have already been developed by EPA, ADEM, local partners, and/or other readily available sources.

9.2.6. Flood Management

The NPDES permit requires the County to evaluate flood management projects for incorporation of additional water quality protection devices and practices to help

improve water quality. If flood management projects are proposed within the County's MS4 area, the County will evaluate the projects for the potential incorporation of water quality features. The County's Building Official is the Flood Plain Manager.

9.2.6.1 Community Rating System (CRS)

The National Flood Insurance Program (NFIP) provides federally backed flood insurance that encourages communities to enact and enforce floodplain regulations. To be covered by a flood insurance policy, a property must be in a community that participates in the NFIP. Baldwin County has been participants since 1978 and currently holds a Class 6 Building Code Effectiveness Grading Schedule (BCEGS) grade for one and two-family dwellings and commercial & industrial buildings.

The Community Rating System (CRS) Program is a point-based system which provides incentives for communities to do more than simply regulate construction of new buildings to minimum national standards. Under CRS, flood insurance premiums are adjusted to reflect community activities which reduce flood damage to existing buildings, manage development in areas not mapped by the NFIP, protect new buildings beyond the minimum NFIP protection level, help insurance agents obtain flood data and help people obtain flood insurance.

The objective of the CRS program is to reward communities that are doing more than meeting the minimum NFIP requirements to help citizens prevent or reduce flood losses. The goal of the CRS program is to encourage, by the use of flood insurance premiums adjustments, community, and state activities beyond those required by the NFIP.

Baldwin County has voluntarily participated in the Community System Program since 1995.

The CRS program is broken down into 18 creditable activities as follows:

Public Information Activities

- Elevation Certificates
- Map Information Service
- Outreach Projects
- Hazard Disclosure

- Flood Protection Information
- Flood Protection Assistance

Mapping & Regulatory Activities

- Additional Flood Data
- Open Space Preservation
- Higher Regulatory Standards
- Flood Data Maintenance
- Storm water Management

Flood Damage Reduction Activities

- Floodplain Management Planning
- Acquisition and Relocation
- Flood Protection
- Drainage System Maintenance

Flood Preparedness Activities

- Flood Warning Program
- Levee Safety
- Dam Safety

Baldwin County provides public information to advise property owners, potential property owners, and visitors about hazards, ways to protect people and property from the hazards, and the natural beneficial functions of floodplains. Activities include flood determinations and technical assistances, public outreach, and education, and real estate disclosure Appendix H.

9.3. Program Goals

The County has developed realistic, achievable, and measurable goals and performance milestones to measure the progress in implementing a Pollution

Prevention / Good Housekeeping Program. Program goals are summarized in Table 9-2.

9.4. Program Evaluation

The most basic measure to evaluate the program effectiveness is to evaluate whether the program goals are being met. At the end of the permit year, the County will evaluate the program goals and overall effectiveness of the Pollution Prevention / Good Housekeeping Program to help reduce pollutants in storm water runoff. Results of the program evaluation will be summarized in the Annual Report.

Table 9-2
Pollution Prevention / Good Housekeeping – Program Goals

2021-2026 Table 9-2 Baldwin County Phase II MS 4
MCM 5 Pollution Prevention/ Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention Good House Keeping	Goal	Pollution Targeted	Responsible Departments	2021/2022 Proposed	2021/2022 Achieved	2022/2023 Proposed	2022/2023 Achieved	2023/2024 Proposed	2023/2024 Achieved	2024/2025 Proposed	2024/2025 Achieved	2025/2026 Proposed	2025/2026 Achieved
Part III-5ai	9.2.1.1	County Owned Facilities	Throughout the permit cycle, within the County's MS4 boundary, update county facility inventory as needed.	All	Hwy & P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
Part III-5ai	9.2.1.2	County Owned Facilities	Throughout the permit cycle, within the County's MS4 boundary, create and updated assessments and Standard Operating Guidance (SOG) for facilities as needed.	All	Hwy & P&Z	***	***	✓	🗀	*	*	*	*	*	*
Part III-5aiii	9.2.1.2	ADEM permits	Throughout the permit cycle, within the County's MS4 boundary report county ADEM permits (UST, etc.)and compliance records in annual report.	Oil & Gas	P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-5aiii3	9.2.2	Structural Controls Roads & Bridges	Throughout the permit cycle, the county's stormwater management system (structural controls) inventory will be updated and controls will maintained. Track data in the annual report.	Trash & Sediment	Hwy	***	***	✓	✓	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-5biv	9.2.2.4	Capital Stormwater Projects	Throughout the permit cycle, within the County's MS4 boundary zoned districts, inspect County projects for environmental compliance; track and report in annual report.	All	Hwy & P&Z	***	***	✓	✓	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-5biv	9.2.3.5	Structural Controls Roads & Bridges	Throughout the permit cycle, within the County's MS4 boundary, inspect bridges twice during permit cycle.	Trash & Sediment	Hwy	***	***	✓	🗀	*	*	*	*	✓	✓🗀
Part III-5baii	9.2.3.7	Recycling Program	Through out the permit cycle, within the County's MS4 boundary, track volume of recycled materials and report data in the annual report.	Trash	Solid Waste	***	***	✓	✓	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-5aii	9.2.3.7	Litter Patrol	Throughout the permit cycle, within the County's MS4 boundary, track volume of litter picked up from county right of-ways.	Litter & Floatables	Solid Waste	***	***	✓	🗀	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-5av	9.2.5	Training	Throughout the permit cycle, employees with MS4 duties will be provided stormwater training in regards to the County's Stormwater Management Program.	All	P&Z	***	***	✓	🗀	*	*	✓	✓	✓	✓🗀
Part III-5av	9.2.5	Training	Provide additional stormwater training (including information regarding facility SOGs) twice during permit cycle to employees with program responsibilities such as, street, and mowing crews.	All	P&Z	***	***	*	*	*	*	✓	✓🗀	✓	✓🗀
Part III-5aii	9.2.6.	Flood Management	Throughout the permit cycle, within the County's MS4 boundary, evaluate flood management projects and track data in annual report.	Storm Water	Building Inspections	***	***	✓	✓	✓	✓	✓	✓	✓	✓🗀
Part III-5aii	9.2.6.1	Community Rating System (CRS)	During the permit cycle, track CRS public outreach and education activities and provide a summary in the annual report.	Storm Water	P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓	✓	✓🗀
Part III-5d	9.4	Program Evaluation	Throughout the permit cycle, review the PP/Good Housekeeping minimum control measure strategies and goals achieved and prepare an annual report and update the SWMPP.	All	P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
					Totals	***	***	12	12	9	9	11	11	**12**	**12**
	*	Not Proposed for Permit Year													
	**	Completed Prior to Proposed Year													
	***	Spreadsheet Not Used for 2021/2022 Reporting Period													
	X	Not Completed-Goal Not Met													
	🗀	Attachment Included in Report													
	P&Z	Planning & Zoning													
	Hwy	Highway													

10. Monitoring Plan

10.1. Introduction

In December 2011, the County was re-designated from a Phase I MS4 to a Phase II MS4. In April 2012, the Census Bureau released updated Urbanized Areas based on the 2010 Census. As a result of the 2010 Census the Daphne-Fairhope Urban Cluster was changed to the Daphne-Fairhope Urbanized Area and its boundaries expanded along the I-10 corridor.

Baldwin County was granted a modification to its monitoring program, in 2014, due to the reasons stated below:

10.1.1. MS4 Area

Incorporated areas located within the Daphne-Fairhope Urbanized areas include the City of Daphne, City of Fairhope, and City of Spanish Fort. In accordance with 40 CFR 122.32, only unincorporated portions of the County that are located within an Urbanized Area are regulated as a small MS4 under the NPDES storm water program. Therefore, Baldwin County's MS4 area is fragmented and comingled with the adjacent municipalities. Areas of the County's MS4 adjacent to incorporated areas are typically undeveloped.

10.1.2. Existing Monitoring Requirements

Part V.A. of the permit requires Baldwin County to evaluate areas of the MS4 to determine if discharges contribute to the impairment of 303(d) listed waters or streams with an approved Total Maximum Daily Load (TMDL). Baldwin County has completed an evaluation of impaired streams within the MS4 area.

According to ADEM's 2021 approved TMDL list, there is one stream within the County's MS4 Area with an approved TMDL. In November of 2013, Fish River's (AL03160205-0204-112) TMDL was finalized. Below is the link to the TMDL: FinalFishRiverPathogensTMDL.pdf (alabama.gov).

According to ADEM's 303(d) list (Alabama Department of Environmental Management) dated April 2021, there are ten (10) streams located within the drainage basins of the MS4 Area which have been designated as impaired. An evaluation of each stream segment is summarized as follows:

- Bay Minette Creek is listed on the 303(d) list as impaired for metals (mercury). The source of this pollutant is identified as unknown. Due to the small area of Baldwin County's MS4 Area located within this watershed and the type of land uses, Baldwin County's MS4 is not a contributor to the impairment on Bay Minette Creek.

- Tiawasee Creek, Unnamed Tributary to Tiawasee Creek, D'Olive Creek and Unnamed Tributary to D'Olive Creek are listed on the 303(d) list as impaired for siltation and habitat alteration. The source of this impairment is attributed to land development.

  Most of the drainage basin of Tiawasee Creek and its tributary are located within the corporate limits of Daphne. There are small pockets of the drainage basin located within the County's MS4 Area. The land use within these pockets primarily consists of forested or agricultural and limited amounts of residential or commercial and should not be a significant contributor to the impairment.

  Most of the drainage basin of D'Olive Creek and its tributary are located within the corporate limits of Daphne and Spanish Fort. There is a small area located in the headwaters of the drainage basin that is located within the County's MS4 Area. The land use of this area is either forested or agricultural and should not be a significant contributor to the impairment of D'Olive Creek.

- Cowpen Creek is listed on the 303(d) list as impaired for metals (mercury). The source of this pollutant has been identified as atmospheric. Due to the type of land uses located within this watershed, Baldwin County's MS4 is not a contributor to the impairment on Cowpen Creek.

- Fish River is listed on the 303(d) list as impaired for metals (mercury) and pathogens. The source of metals is identified as atmospheric. Due to the type of land uses located within this watershed, Baldwin County's MS4 is not a contributor to the impairment on Fish River.

- ADEM has included Fly Creek on the 303(d) list as impaired for pathogens. The source of this pollutant is identified as pasture grazing. Agriculture is not regulated. Therefore, the County has no authority over pasture grazing activities.

Based on the County's evaluation of 303(d) listed waters and TMDL streams located within its MS4 Area, the County is not a contributor to the impairments of

the streams located within its MS4 Area. Therefore, monitoring is not required on 303(d) listed waters or TMDL streams. However, the County will work with the local United States Department of Agriculture (USDA) and Natural Resource Conservation Service (NRCS) and other partners to implement an education outreach program to address livestock activities that contribute to the pathogen listings.

Appendix A

Public Education & Outreach Brochures

- Appendix-A Wetland Brochure 2022
- Appendix-A-Baldwin County Barrel Brochure 2021
- Appendix-A-BMP Brochure Final 2024

Appendix B

Baldwin County MS4 Inventory Outfall

- Appendix-B- BC SWOF Inventory
- Appendix-B-2022 BC IDDE Inspection Form
- Appendix-B-2022 BC MS4 Outfall Inspection Form
- Appendix-B-BC SOG Hwy Outfall Recon Inventory

Appendix C

IDDE SOG & Forms

- Appendix-C-BCHD SOG IDDE Dry Weather Screening
- Appendix-C-BCHD SOG IDDE Hazardous Waste
- Appendix-C-BCHD SOG IDDE Inspection Form
- Appendix-C-BCHD SOG IDDE Sewer Detection

Appendix D

Baldwin County Highway Inventory Map

- Appendix-D-BCHD Inventory Map

Appendix E

Highway Activity Codes and Maintenance Sheet Example

- Appendix-E-BCHD Example of Activity Sheet
- Appendix-E-BCHD Activity Codes

Appendix F

Baldwin County Highway License Agreement

- Appendix-F-County Engineer License Agreement
- Appendix-F-Policy 9.11 - License Agreements

Appendix G

EAC 25 Most Environmental Impacting Dirt Roads Study

- Appendix-G-2010 The 25 Most Environmentally Damaging Dirt Roads of Baldwin County, Alabama Final
- Appendix-G-2022 The 25 Most Environmentally Damaging Dirt Roads 3rd Publication

Appendix H

Community Rating System Documents

- Appendix-H-Flood_Hazard_Brochure_2015
- Appendix-H-Flood-Hazard-Protection-Newsletter-2020

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

2025/2026 Baldwin County SWMP Plan Update & MCM Program Evaluation Comments

The sections of the County's SWMPP were updated as follows:

Section 1 - Program Administration
- SWMP Revision Chart Updated-1.3 Table 1-1
- SWMP Organization Chart Update-Figure 1-2

Section 2 - MS4 Area - No Updates
Section 3 - Regulatory Requirements - No Updates
Section 4 - Public Education and Outreach - No Updates
Section 5 - Public Involvement/Participation - No Updates
Section 6 - IDDE - No updates
Section 7- Construction Site Runoff - No Updates
Section 8 - Post Construction Storm Water Management - No Updates

MCM 1-5 Program Strategies and Goals Spreadsheet Tables updated to reflect annual compliance and any updates above.

Minimum Control Measures Program Evaluation Comments

MCM1-Education Outreach/Public Participation-SWMPP Section 4 & 5-
The County feels that the strategies and goals established for this MCM are effective in meeting the permit requirements. The County will consider updates and implement new strategies as part of the SWMPP update for the 2026–2031 permit cycle.

MCM2-Illicit Discharge Detection and Elimination-SWMPP Section 6
The County feels that the strategies and goals established for this MCM are effective in meeting the permit requirements. The County will consider updates and implement new strategies as part of the SWMPP update for the 2026–2031 permit cycle.

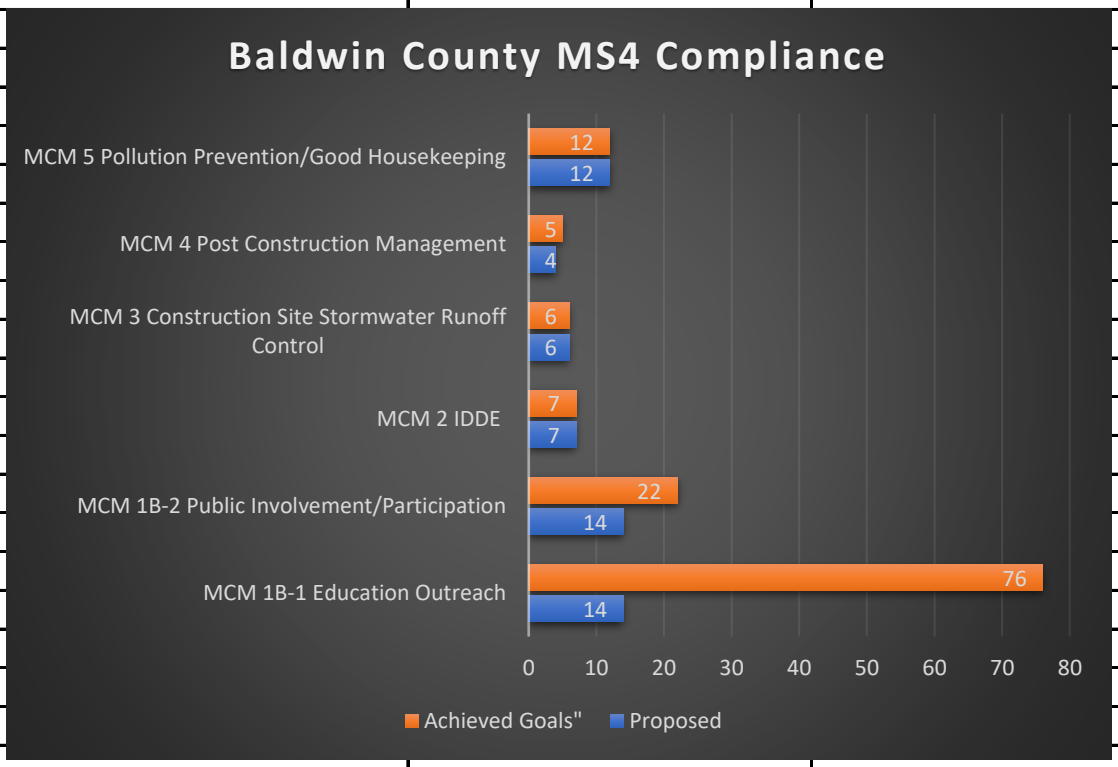
MCM3-Construction Site Runoff Control-SWMPP Section 7
The County feels that the strategies and goals established for this MCM are effective in meeting the permit requirements. The County will consider updates and implement new strategies as part of the SWMPP update for the 2026–2031 permit cycle.

MCM4-Post Construction Stormwater Management-SWMPP Section 8
The County feels that the strategies and goals established for this MCM are effective in meeting the permit requirements. The County will consider updates and implement new strategies as part of the SWMPP update for the 2026–2031 permit cycle.

MCM5-Pollution Prevention/Good House Keeping for Municipal Operations-Section 9
The County feels that the strategies and goals established for this MCM are effective in meeting the permit requirements. The County will consider updates and implement new strategies as part of the SWMPP update for the 2026–2031 permit cycle.

Water Quality Monitoring Plan-Section 10
The County will review the current water quality monitoring plan as part of the SWMPP update for the 2026–2031 permit cycle and determine if any changes are needed.

Minimum Control Measure (MCM)	2025/2026 Goals Proposed	2025/2026 Goals Achieved
MCM 1B-1 Education Outreach	14	76
MCM 1B-2 Public Involvement/Participation	14	22
MCM 2 IDDE	7	7
MCM 3 Construction Site Stormwater Runoff Control	6	6
MCM 4 Post Construction Management	4	5
MCM 5 Pollution Prevention/Good Housekeeping	12	12



2021-2026 TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments	2021/2022 Proposed	2021/2022 Achieved	2022/2023 Proposed	2022/2023 Achieved	2023/2024 Proposed	2023/2024 Achieved	2024/2025 Proposed	2024/2025 Achieved	2025/2026 Proposed	2025/2026 Achieved
Part III-B1	4.4.1	Local Partnerships	Throughout the permit cycle, the County will keep an update list of local partnerships with other agencies and organizations	All	P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
Part III-B1bv	4.4.1	Local Partnerships	Coordination with other agencies and groups on environmental efforts, County staff will attend four (4) environmental agency meetings a years	All	P&Z	***	***	4	15 🗁	4	17 🗁	4	24 🗁	4	33
Part III-B1bv	4.4.1	Local Partnerships	In year one (1), the County will seek to partner with USDA/NRCS to educated Livestock Farmers regarding potential pathogen pollution impacts to local streams	Pathogens	P&Z	***	***	✓	🗁	©	©	©	©	©	©
Part III-B1bv	4.4.1	Local Partnerships	Eastern Shore MS4s Meetings In years one (1) through (5), host or attend one meeting a year	All	P&Z	***	***	1	2 🗁	1	1 🗁	1	1 🗁	1	1 🗁
Part III-B1	4.4.1.1	Local Partnerships-Clean Water Future Campaign	Throughout permit cycle continue to support the Clean Water Future (CWF) Campaign which informs individuals, households, schools, & businesses about steps they can take to reduce storm water pollution	All	P&Z	***	***	✓	🗁	✓	✓	✓	✓	✓	✓
Part III-B1	4.4.2	Articles in Local Media & Brochures	Once per permit cycle, survey Environmental Advisory Committee (EAC) to determine target storm water pollutants and audiences for MS4 Education Outreach Program	All	P&Z	***	***	*	*	*	*	✓	✓🗁	©	©
Part III-B1	4.4.2	Articles in Local Media & Brochures	In years one (1)through five (5), create and update a list of local media outlets	All	P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
Part III-B1	4.4.2	Articles in Local Media & Brochures	Throughout the permit cycle, the County will submit or participate in five (5) Stormwater related materials/articles being released to local media outlet or social media per permit cycle	All	P&Z	***	***	1	8 🗁	1	16 🗁	©	6	©	15 🗁
Part III-B1	4.4.2	Articles in Local Media & Brochures	In year one of the permit cycle, the County will compile and update a list of EPA stormwater related education outreach materials	All	P&Z	***	***	✓	✓	*	*	*	*	*	*
Part III-B1	4.4.2	Articles in Local Media & Brochures	In year one (1), review the county's building locations for brochure distribution and update as needed	All	P&Z	***	***	✓	✓	*	*	*	*	*	*

2021-2026 TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments	2021/2022 Proposed	2021/2022 Achieved	2022/2023 Proposed	2022/2023 Achieved	2023/2024 Proposed	2023/2024 Achieved	2024/2025 Proposed	2024/2025 Achieved	2025/2026 Proposed	2025/2026 Achieved
Part III-B1	4.4.2	Articles in Local Media & Brochures	In year two, initiate a tracking system for EO Brochures-Pamphlets distribution	All	P&Z	***	***	**	**	✓	✓	✓	✓	✓	✓
Part III-B1bi	4.4.2	Articles in Local Media & Brochures	Create two (2) stormwater education brochures for a targeted pollutant every permit cycle	All	P&Z	***	***	1		1	1	©	©	©	©
Part III-B1bv	4.4.3	Website P&Z Environmental	In year one (1) of the permit cycle, work with the County's Marketing Department to create & design a separate county environmental web page which will inform and involve individuals and groups on how to participate in storm water programs	All	P&Z & Marketing	***	***	✓		©	©	©	©	©	©
Part III-B1bv	4.4.3	Web Site P&Z Environmental	In year two (2) of the permit cycle, work with the County's Marketing Department to release the new environmental web page	All	P&Z & Marketing	***	***	**	**	©	©	©	©	©	©
Part III-B1bii	4.4.4	Environmental Workshops	During the permit cycle, host or sponsor two (2) education outreach workshop with at least one targeting land development community (i.e., construction)	Sediment, ALL	P&Z	***	***	2	4	*	4	©	5	©	11
Part III-B1	4.4.5.1	Classroom Presentations Master Environmental Education Presentations	During permit cycle, present two (2) MEE lessons to school age classrooms per year	All	P&Z	***	***	2	12	2	8	2	4	2	8
Part III-B-1	4.4.5.2&3	Local Environmental Festivals-Watershed Festivals	Baldwin County Water Festival & Envirothon - The County will participate in two (2) events per permit cycle.	All	P&Z	***	***	1		1	1	©	2	©	1
Part III-B-1	4.4.6.1&2	Local Environmental Festivals-Watershed Festivals	Woods-n-Water, Jubilee Festival & Earth Day- The county will sponsor or participate in one (1) festival a year	All	P&Z	***	***	1	1	1	2	1	1	1	1
Part III-B-1-b-iii-(2)	4.4.7.1	Reduction of Litter, Floatables & Debris-Watershed Signage & Environmental Awareness Signage	In year one of the permit cycle, the County will create an inventory watershed and environmental awareness signage located in the MS4 area.	Trash & Floatable	Highway & P&Z	***	***	✓		©	©	©	©	©	©
Part III-B-1-b-iii-(2)	4.4.7.1	Reduction of Litter, Floatables & Debris-Watershed Signage & Environmental Awareness Signage	In year one of the permit cycle, install watershed signage in the Magnolia River Watershed	Trash & Floatable	Highway & P&Z	***	***	✓		©	©	©	©	©	©

2021-2026 TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments	2021/2022 Proposed	2021/2022 Achieved	2022/2023 Proposed	2022/2023 Achieved	2023/2024 Proposed	2023/2024 Achieved	2024/2025 Proposed	2024/2025 Achieved	2025/2026 Proposed	2025/2026 Achieved
Part III-B-1-b-iii-(2)	4.4.7.1	Reduction of Litter, Floatables & Debris-Watershed Signage & Environmental Awareness Signage	In year three of the permit cycle, install or update watershed signage in one additional MS4 Watershed	Trash & Floatable	Highway & P&Z	***	***	*	*	*	*	✓	✓	©	©
Part III-B-1-b-iii-(2)	4.4.7.1	Reduction of Litter, Floatables & Debris-Watershed Signage & Environmental Awareness Signage	Throughout the permit cycle, maintain watershed and environmental awareness signs and inventory	Trash & Floatable	Highway & P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓🗀
Part III-B-1-b-iii-(1)	4.4.7.2	Reduction of Littler, Floatables & Debris-Watershed Signage & Environmental Awareness Signage	In year one (1), partner with Eastern Shore (ES) MS4 to plan a community event to install storm drain labels throughout the ES MS4 area.	Trash & Floatable	Solid Waste & P&Z	***	***	✓	🗀	©	©	©	©	©	©
Part III-B-1-b-iii-(1)	4.4.7.2	Reduction of Litter, Floatables & Debris-Watershed Signage & Environmental Awareness Signage	In year three (3)~~-two (2)~~, partner with Eastern Shore (ES) MS4 to host the community event to install storm drain labels throughout the ES MS4 area.	Trash & Floatable	P&Z	***	***	*	*	✓	X	✓	✓	©	©
Part III-B-1d	4.6	Program Evaluation	Throughout the permit cycle, evaluate the Education Outreach Minimum Control Measure strategies and goals achieved and submit an annual report	All	P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
					Total Goals	***	***	27	58	18	42	19	54	**14**	**76**
	©	Completed													
	*	Not Proposed for Permit Year													
	**	Completed Prior to Proposed Year													
	***	Spreadsheet Not Used for 2021/2022 Reporting Period													
	X	Not Completed-Goal Not Met													
	🗁	Attachment Included in Report													
	P&Z	Planning & Zoning													
	Hwy	Highway													

TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1	*4.4.1*	*Local Partnerships*	*Throughout the permit cycle, the County will keep an update list of local partnerships with other agencies and organizations*	*All*	*P&Z*
		Local Partnerships - 2025/2026 - No Updates			
		Local Partnerships - 2024/2025 - No Updates			
		Alabama Department of Environmental Management			
		Alabama Coastal Foundation			
		Alabama Clean Water Partnership			
		Alabama Water Watch (AWW)			
		Baldwin County Cities & Towns			
		Baldwin County Emergency Management Agency			
		Baldwin County Community Rating System			
		Clean Water Alabama			
		Clean Water Future Campaign			
		Coastal Foundation			
		Weeks Bay Preserve			
		Weeks Bay Watershed Project			
		Mobile Bay National Estuary Program (MBNEP)			
		Wolf Bay Watershed Watch			
		Pensacola-Perdido Bay Estuary Program			
		Baldwin County Environmental Advisory Committee			
		People Against a Littered State (PALS)			
		U.S. Corps of Engineers			

TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bv	*4.4.1*	*Local Partnerships*	*Coordination with other agencies and groups on environmental efforts, County staff will attend four (4) Environmental agency meetings a year*	*All*	*P&Z*
2025/2026		***Meeting Proposed-4***	***Meetings Attended-33***		
Alabama Chapter Soil and Water Conservation Society & Conservation Districts					
Date	**Meeting**	**Meeting Topic**			
1/27/2026	AC - Soil and Water Society	Executive Quarter Meeting			
11/12/2025	AC - Soil and Water Society	Executive Quarter Meeting			
8/25/2025	AC - Soil and Water Society	Executive Quarter Meeting			
6/13/2025	AC - Soil and Water Society	Executive Quarter Meeting			
4/16/2025	AC - Soil and Water Society	Executive Quarter Meeting			
Alabama Stormwater Association					
Date	**Meeting**	**Meeting Topic**			
1/21/2026	ASA Quarterly Meeting	Board of Directors Meeting			
10/15/2025	ASA Quarterly Meeting	Board of Directors Meeting			
7/16/2025	ASA Quarterly Meeting	Board of Directors Meeting			
5/16/2025	ASA Quarterly Meeting	Board of Directors Meeting			
Baldwin County Geospatial Resource Group					
Date	**Meeting**	**Meeting Topic**			
12/17/2025	GRG	Updates & Collaboration			
10/22/2025	GRG	Updates & Collaboration			
9/10/2025	GRG	Updates & Collaboration			
Coastal Volunteer Water Monitoring Partners					
Date	**Meeting**	**Meeting Topic**			
1/22/2026	Coastal Volunteer Water Monitoring Discussion	Partners Quarterly Call			
11/6/2025	Coastal Volunteer Water Monitoring Discussion	Partners Quarterly Call			
4/17/2025	Coastal Volunteer Water Monitoring Discussion	Partners Quarterly Call			
Magnolia River Water Watch					
Date	**Meeting**	**Meeting Topic**			
3/4/2026	Magnolia River Taskforce Meeting	Reports & Updates			
9/8/2025	Magnolia River Taskforce Meeting	Reports & Updates			
7/21/2025	Magnolia River Taskforce Meeting	Reports & Updates			
MBNEP-Committees					
Date	**Meeting**	**Meeting Topic**			
3/12/2026	MBNEP - PIC	MBNEP Project Update			
12/3/2025	MBNEP	End of Year Management Conference			
8/19/2025	MBNEP - PIC	MBNEP Project Update			
6/24/2025	MBNEP	Management Plan Action Planning Summit			
5/30/2025	MBNEP - GNC	MBNEP Updates			
5/22/2025	MBNEP - PIC	MBNEP Project Update			
Weeks Bay Advisory Committee					
Date	**Meeting**	**Meeting Topic**			
3/11/2026	WBAC	Manager Reports & Updates			
12/10/2025	WBAC	Manager Reports & Updates			
9/10/2025	WBAC	Manager Reports & Updates			
6/25/2025	WBAC	Manager Reports & Updates			
Wolf Bay Watershed					
Date	**Meeting**	**Meeting Topic**			
3/17/2026	Wolf Bay Watershed Watch Board	Board of Directors Meeting			
Other Committees/Meetings					
Date	**Meeting**	**Meeting Topic**			
2/6/2026	Magnolia River Watershed Project Meeting	Watershed Project Overview & Updates			
1/27/2026	SUNS Perdido Working Group	SUNS Overview			
10/27/2025	SUNS Perdido Working Group	SUNS Overview			
7/29/2025	SUNS Perdido Working Group	SUNS Overview			

Alabama Chapter – Soil and Water Conservation Society

Executive Committee Meeting Agenda
January 27, 2026 8:30 AM

Call to Order	Earl Norton
Secretary's Report	Josh Elliott
	☐ Approval of Minutes
Treasurer's Report	Leah Duzy
Area Vice-Presidents' Reports	
Area I	Kathy Gotcher
Area II	Frank Cochran
Area III	Alex Johnson
Area IV	Amy Bell
Area V	Alex Vaughan
Student Chapters	
Alabama A&M University	Dr. Elica Moss
Tuskegee University	Ramble Ankumah
Auburn University	Dr. Audrey Gamble
Committee Reports	
Membership Committee	Derrick Houston
Certification Committee	Frank Cochran
Education Committee	Perry Oakes
Nominating Committee	Steve Musser
ESC/CPESC Committee	Perry Oakes/Earl Norton
Public Relations Committee	Leah Duzy
Annual Meeting Planning Committee	Larry Hardy
Chapter History Committee	Perry Oakes
Awards Committee	Ashley Campbell
Newsletter	Blake Garner/Laura Smith
Strategic Plan	Ashley Campbell
Endowed Scholarship	Earl Norton
New Business	
Set Next Executive Committee Meeting Date	
Adjourn	

Alabama Chapter- Soil and Water Conservation Society

January 27, 2026

Teams

Members Present: Perry Oakes, Ashley Campbell, Josh Elliott, Earl Norton, Leah Duzy, Larry Hardy, Leslie Gahagen, Alex Vaughan, Frank Cochran, and Audrey Gamble.

President Norton called the meeting to order at 8:30 AM.

Leah made a motion to accept the secretary's report with Ashley seconding.

Leah presented the treasurer's report. The account balance in the money market account is $26,539.65, with $59,736.20 in the ESC account. Larry made a motion to accept the treasurer's report with Ashley seconding.

Earl reported that he tried to reach out to the student chapters at Alabama A&M as well as Tuskegee and could not get a response. Frank mentioned that he had a contact and would reach out to them. Audrey reported that the first 2026 meeting for the Auburn student chapter is set for January 28th. She said she would love SWCS members to come be guest speakers at their future meetings.

Perry gave the education report. He stated that he would send out a notice for the scholarship in March.

Perry reported that the next Clearwater Alabama would be in the Tuscaloosa area. The first planning meeting has already been held and the theme for the meeting will be "It's a Process". Earl reported that he and Barry Fagen hosted a review course in November and had over 15 students.

Larry gave an update for the annual meeting planning committee. They recently met in Clanton and are continuing to work on the agenda. They have already confirmed most of the speakers. The theme is going to be "Exploring Conservation for Future Generations." The tentative agenda was reviewed, and everyone concurred with the topics.

Ashley asked when we should send out solicitations for our annual award nominations. The deadline for nominations is May 1st so everyone agreed to go ahead and post the forms on the website.

Leslie reviewed changes to the strategic plan. Earl recommended that each executive committee member review it and send in comments prior to the next meeting.

Earl opened a discussion on ways to motivate members to attend the annual meeting. There was some general discussion about membership costs and discounts. Leah said that she would put together the data for the last 3 years annual meeting cost vs sponsorships.

The next meeting was set for March 16th via teams at 10:00.

Leah made a motion to adjourn with Josh seconding.

Alabama Chapter – Soil and Water Conservation Society

Business Meeting Agenda

November 12, 2025 10:00 a.m.

Call to Order	Earl Norton
Secretary's Report	Josh Elliott • Approval of Minutes
Treasurer's Report	Leah Duzy
Area Vice-Presidents' Reports	
Area I	Kathy Gotcher
Area II	Frank Cochran
Area III	Larry Hardy
Area IV	Amy Bell Lloyd
Area V	Alex Vaughan
Erosion & Sediment Control / CPESC	Perry Oakes/Earl Norton
Student Chapters	
Auburn University	Dr. Audrey Gamble, PhD
Membership Committee	Derrick Houston
Certification Committee	Frank Cochran
Education Committee	Perry Oakes
Nominating Committee	Steve Musser
Public Relations Committee	Leah Duzy
Annual Meeting Planning Committee	Larry Hardy
Chapter History Committee	Perry Oakes
Awards	Ashley Campbell
Newsletter	Blake Garner/Laura Smith
New Business	Strategic Plan Update

Adjourn

Alabama Chapter- Soil and Water Conservation Society

November 12, 2025

Clanton and Zoom

Members Present: Perry Oakes, Ashley Campbell, Josh Elliott, Earl Norton, Leah Duzy, Kathy Gotcher, Larry Hardy, Wade Burcham, Alex Johnson, Leslie Gahagen, and Steve Musser.

President Norton called the meeting to order at 10:00 AM.

Leah made a motion to accept the secretary's report with Ashley seconding.

Leah presented the treasurer's report. The account balance in the money market account is $26,539.21, with $56,522.32 in the ESC account. Ashley made a motion to accept the treasurer's report with Larry seconding.

Earl reported that there was Great Attendance at Clearwater Alabama in Pell City with 140 attendees and 28 sponsors. He then introduced Wade Burcham who presented at a recent workshop. The CPESC course will be held at the Homebuilders Association office on December 2nd.

Musser reported that we need to be thinking about the next annual meeting location as well as who will be the president elect. Musser also mentioned that it was Earl's 88th Birthday.

Leah said she is willing to update the website anytime so just send her what you want to post.

Perry reported that he had updated the history portion of the chapter website.

Leslie reported that the current strategic plan for the chapter is 20 years old and needs updating. They tweaked the mission statement and went from 9 items to 5. There was some general discussion on recruiting younger members. Ashley and Leslie will co-chair a committee to update the strategic plan. Lea said she would assist.

Larry reported that the annual meeting will be held June 9-11 in Irondale.

Ashley mentioned that we needed to centralize chapter information such as meeting minutes and financial information. There was some general discussion on that. Earl mentioned that he would lead an effort to set up an endowment scholarship fund. Musser said we needed to take official action at the next annual meeting.

The next meeting was set for January 27th via zoom at 8:30.

Leah made a motion to adjourn with Josh seconding.

Alabama Chapter – Soil and Water Conservation Society

Executive Committee Meeting Agenda

August 25, 2025 9:00 AM

Call to Order	Earl Norton
Secretary's Report	Josh Elliott □ Approval of Minutes
Treasurer's Report	Leah Duzy
Area Vice-Presidents' Reports	
Area I	Kathy Gotcher
Area II	Frank Cochran
Area III	Larry Hardy
Area IV	Amy Bell
Area V	Alex Vaughan
Student Chapters	
Alabama A&M University	Dr. Elica Moss
Tuskegee University	Ramble Ankumah
Auburn University	Dr. Audrey Gamble
Committee Reports	
Membership Committee	Derrick Houston
Certification Committee	Frank Cochran
Education Committee	Perry Oakes
Nominating Committee	Steve Musser
ESC/CPESC Committee	Perry Oakes/Earl Norton
Public Relations Committee	Leah Duzy
Annual Meeting Planning Committee	Larry Hardy
Chapter History Committee	Perry Oakes
Awards Committee	Ashley Campbell
Newsletter	Blake Garner/Laura Smith
Objective Review of 2025 Meeting	Ashley Campbell
New Business	
Report on National Conference 8/3-6/ 2025	Earl Norton
Strategic Plan	Earl Norton
Endowed Scholarship	Earl Norton
Other	
Set Next Executive Committee Meeting Date	
Adjourn	

Alabama Chapter- Soil and Water Conservation Society

August 25, 2025

Zoom

Members Present: Ashley Campbell, Josh Elliott, Earl Norton, Leah Duzy, Kathy Gotcher, Larry Hardy, Frank Cochran, Alex Johnson, Leslie Gahagen, and Steve Musser.

President Norton called the meeting to order at 9:00 AM.

Frank made a motion to accept the secretary's report with Musser seconding.

Leah presented the treasurer's report. She stated that the 2025 annual meeting went well and that we were doing good financially as a chapter. She said she would send out a detailed report later.

There was no response from Dr. Moss at Alabama A&M. We currently do not have a sponsor at Tuskegee. Things are going well with the Auburn chapter. Earl mentioned that members may be called on to give presentations at their monthly meetings.

Perry gave the education committee report and stated that he would follow up with the scholarship recipient to schedule a photo opp.

Clear Water Alabama is scheduled for Sept 24-25 in Pell City. Perry mentioned that there are already 130 registrants and 14 sponsors. June 2026 is the target date for the "blue book" revision.

Larry gave the Annual Meeting planning committee report. He stated that a committee had been formed and that they would be starting soon. There was some general discussion about potential dates and conflicts.

Ashley gave the Awards Committee update. She stated that she would start sending out nomination forms with a 60 day return window. She also mentioned the need to hire a staff person to help with all the related meetings. (Clear Water, SWCS, ASA). There was some general discussion, and it was decided to have an in-person meeting to update the chapter's strategic plan.

The next meeting was set for November 13th at the Clanton Experiment station from 10:00-12:00.

Leah made a motion to adjourn with Ashley seconding.

Alabama Chapter – Soil and Water Conservation Society

Business Meeting Agenda

June 13, 2025 8:00 a.m.

Call to Order	Ashley Campbell
Secretary's Report	Josh Elliott • Approval of Minutes
Treasurer's Report	Leah Duzy
Area Vice-Presidents' Reports	
Area I	Kathy Gotcher
Area II	Frank Cochran
Area III	Larry Hardy
Area IV	Amy Bell
Area V	Alex Vaughan
Erosion & Sediment Control / CPESC	Perry Oakes/Earl Norton
Student Chapters	
Auburn University	Dr. Audrey Gamble, PhD
Membership Committee	Derrick Houston
Certification Committee	Frank Cochran
Education Committee	Perry Oakes
Nominating Committee	Steve Musser
Public Relations Committee	Leah Duzy
Annual Meeting Planning Committee	Earl Norton
Chapter History Committee	Perry Oakes
Awards	Ashley Campbell
Newsletter	Blake Garner/Laura Smith
New Business	
Adjourn	

2025 ASWCS Annual Meeting

13 JUNE 2025 / 8:00 AM /Lakepoint State Park, Eufaula, AL

Agenda

Ashley Campbell called the meeting to order at 8:00 AM

Secretary's Report:

- Ashley Campbell presented the 2024 Annual Meeting Minutes.
- One correction to the spelling in Derick Houston's name.
- Leslie Gahagan made the motion to approve the corrected minutes.
- Leah Duzy seconded the motion and they were approved unanimously.

Treasurer's Report

- Leah Duzy presented the report.
- SWCS Checking Account $5737.40
- SWCS Money Market Account $23,807.63
- 2024 Expenses include the following: Website & Hosting; PO BOX; Accounting Software & Tax Fees; Scholarship; Annual Meeting Expenses = Averaged $12,800
- 2024 Revenues include the following: Dues, Annual Meeting =Averaged $11,000
- Erosion and Sediment Control Account estimated at $88,000
- Steve Musser made a motion to accept the Treasurer's Report.
- Laura Beth Tackett seconded and it was unanimously approved.

Area Vice Presidents

Area I - Kathy Gotcher

- NW AL area
- Working with Alabama A&M to restart student chapter
- Helped with Envirothon
- Keeping up with the 2024 scholarship winner

Area II - Frank Cochran

- Central NE AL area

- Active in district events including Lee County's Water Festival (1300 4th graders) & Envirothon

Area III - Larry Hardy

- West Central AL area
- Active with district events including successful state land judging event

Area IV - Amy Lloyd

- Gulf Coast SW AL area
- No report (Absent)

Area V - Alex Vaughn

- Wiregrass AL area
- No report (Absent)

Erosion & Sediment Control/CPESC

- Perry Oakes presented three topics.
    - Clearwater Alabama will be 9/24-25/2025 in Pell City. Seminar complete, but field day still under development with possible shoreline erosion demo on Lake Martin.
    - Blue Book is on a 4 year schedule with June 2026 updates. Currently accepting changes and suggestions. Planning to add slash mulch berm as practice.
    - Alabama Soil and WaterConservation Committee has a new website with page focusing on Alabama Erosion and Sediment Control Program.
- Earl Norton presented CPESC updates.
    - CPESC started in 1982 with the Alabama program in 1995.
    - Barry Fagan and Earl Norton approved instructors with possible review course hosting in October.
    - Currently around 90 CPESC in AL.

Student Chapters

- Currently only active student chapter is Auburn University's Crop, Soil and Environmental Sciences under Audrey Gamble.
- Funds from the silent auction will be provided to the student chapter.

Committees

Membership Committee:

- Derrick Houston is the new committee chair.
- He provided his background with ADEM.
- He encouraged membership statewide especially with CPESCs.

Certification Committee:

- Frank Cochran had no comments.

Education Committee:

- Perry Oakes reported no application received initially.
- Deadlines were extended and three applications were received.
- A decision will be made very soon by the Executive Committee.

Nominating Committee:

- Steve Musser presented the officers for the upcoming year.
    - Ashley Campbell - Past President
    - Earl Norton - President
    - Larry Hardy - Vice President
    - Josh Elliott - Secretary
    - Leah Duzy - Treasurer
    - Area I VP - Kathy Gotcher
    - Area II VP - Frank Cochran
    - Area III VP - Alex Johnson
    - Area IV VP - Amy Lloyd
    - Area V VP - Alex Vaughan
- Skip Ragsdale motioned to accept the officer nominations.
- Perry Oakes seconded with approval unanimous. .

Public Relations Committee:

- Leah Duzy presented the newsletter that was uploaded to the website..
- If any members have information, please provide to Leah to post online.

Annual Meeting Planning Committee:

- Earl Norton thanked the committee for assisting with the annual meeting including Ashley Campbell, Leah Duzy, Perry Oakes, Frank Cochran. Special thanks to John Curtis for coordinating the field day sites. Thanks to Carol Threatt for helping with sponsors.

Chapter History Committee:

- Perry Oakes reported no updates have been made since 2019, but he is currently working on it.

Awards:

- Ashley Campbell announced that the committee followed the national standards to develop award categories.
- Those awards included conservation professional, conservation innovation, conservation research, outstanding conservation, sustained contributor award and conservation
- Two awards were presented:
    - Outstanding Business Contributor: Sunshine Suppliers - Skip Ragsdale
    - Sustained Contributor - William "Bill" Puckett
- Leah Duzy presented past president plaques for service.
    - Rick Nichols - 2022/2023
    - Blake Gardner - 2023/2024
    - Ashley Campbell - 2024/2025

Newsletter:

- Laura Smith submitted a quarterly newsletter last month with the next one expected mid summer, and she is looking for contributions for content.

New Business

- Leslie Gahagan suggested a member meeting in person over the summer to discuss a path forward with membership, annual meeting and other relevant topics
- Ashley Campbell thanked all the sponsors for their support of SWCS.
- Earl Norton raised three final topics for the future.
    - Grow the Chapter
    - Executive Committee endowed scholarships
    - Updated History and Programs
- Motion to Adjourn by Frank Cochran and seconded by Tracey Cole.

Alabama Chapter – Soil and Water Conservation Society

Business Meeting Agenda

April 16, 2025, 8:30 a.m.

Call to Order	Ashley Campbell
Secretary's Report	Josh Elliott • Approval of Minutes
Treasurer's Report	Leah Duzy
Area Vice-Presidents' Reports	
Area I	Kathy Gotcher
Area II	Frank Cochran
Area III	Larry Hardy
Area IV	Amy Bell
Area V	Alex Vaughan
Erosion & Sediment Control / CPESC	Perry Oakes/Earl Norton
Student Chapters	
Alabama A&M University	Dr. Elica Moss
Tuskegee University	Ramble Ankumah
Auburn University	Discussion-Ashley Campbell
Membership Committee	Skip Ragsdale
Certification Committee	Frank Cochran
Education Committee	Perry Oakes
Nominating Committee	Steve Musser
Public Relations Committee	Leah Duzy
Annual Meeting Planning Committee	Earl Norton
Chapter History Committee	Perry Oakes
Awards	Perry Oakes
Newsletter	Blake Garner
New Business	
Adjourn	

ASWCS Executive Committee
2025-06-04 @ 8:30 am

Members Present: Ashley Campbell, Leah Duzy, Earl Norton, Perry Oakes, Kathy Gotcher, Frank Cochran, & Alex Vaughan
Call to Order: Meeting Called to Order by Ashley Campbell, President at 8:32 am

Secretary's Report: Ashley presented the 2025/01/08 Draft Meeting Minutes for review and approval.
Motion: Alex Vaughn
Second: Frank Cochran
Vote-Unanimous Approval

Treasurer's Report: Leah presented the SWCS Treasurer's Report with the following totals:

SWCS Checking Account	$8349.25
SWCS Money Market Account	$23,807.23

No Vote

Area Vice President Reports:
Area I- Kathy Gotcher mentioned that the State Envirothon was a great success.
Area II- Frank Cochran updated his area's efforts regarding the Annual Water Festival
Area III-Larry Hardy - No Report
Area IV-Amy Bell (Lloyd) - No Report
Area V-Alex Vaughn – No Report

Erosion & Sediment Control/ CPESC:

1. Perry discussed the 2025 Clear Water conference that is scheduled for September 24 & 25 in Pell City.
2. He also mentioned the Blue Book update and requested comments for revisions.
   Earl provided the following updates:
   a. He would like to schedule a CPESC Course for 2025.
   b. There are 90 CPESC in Alabama.
   c. Auburn Field Day is scheduled for May 13, 14 & 15.

Student Chapter:

1. A good discussion was held regarding Student Chapter's. The following items were discussed:
   a. Alabama A&M University - No Report
   b. Tuskegee University – No Report
   c. Auburn University – Audrey Gamble - Auburn's Crop, Soil & Environmental Sciences Club has officially become a SWCS affiliation student chapter. Audrey Gamble provided the following report via email:

i. The club just got back from South Dakota for the Students of Agronomy, Soil, and Environmental Sciences meeting. Her student, Zara Baltzell, won first place in the pedology competition. Her soils team placed third overall in the pedology competition.
ii. They will be electing officers for the 2025-2026 academic year this month.

2. Leah and Ashley agreed to continue to update the procedure for student registration, registration fees (including SWCS funding assistance) and any other items that will simplify the process.

Membership Committee: No Report-Skip was not able to attend the meeting. A discussion was held regarding asking Derrick Houston with ADEM to serve on the executive committee and serve as the Membership Committee Chair. Ashley agreed to work with Steve, Earl and Perry to contact Derrick regarding the position.

Certification Committee: Frank provided an update on the annual meeting CCA CEUs. Earl and Perry are working on the CPESC and PE CEUs.

Education Committee: The SWCS student scholarship was discussed.

Nominating Committee: Earl mentioned that Steve Musser has been working on the upcoming president elect and area vice president nominations.

Public Relations: No Report

Annual Meeting: Earl discussed the annual meeting.

1. The agenda is final.
2. We just need additional sponsors and registrants. A discussion was held regarding potential sponsors and exhibitors.
3. Each member agreed to advertise the event.
4. Kathy agreed to handle the registration table.
5. Ashley and Leslie agreed to send out a request for the silent auction donations.

Chapter History Committee: No Report

Awards: Ashley agreed to help establish the awards program policy etc.

Newsletter: No Report

Other Business: Earl mentioned the need for a scholarship endowment for individuals that would like to make donations to the SWCS. He agreed to research the process and update the committee in the future.

Next Meeting: Annual Meeting

Adjournment: 9:30 am

AGENDA

Alabama Stormwater Association

ALABAMA STORMWATER ASSOCIATION
BOARD OF DIRECTORS' MEETING

MEETING DETAILS

DATE: January 21, 2026
TIME: 1:00pm – 3:00pm
MINUTES TAKEN AND SUBMITTED BY: **Ashley Campbell**

MEETING PURPOSE: Board of Directors Meeting – regular (quarterly)

MEETING LOCATION: Hybrid **(ALSWCC and Teams)**

ATTENDEES

PRESENT (Quorum: simple majority = 6 of 11 Directors):

NOT PRESENT:
GUESTS:

MEETING AGENDA AND DISCUSSION

A. Administration
1. Quorum recognition:
2. Agenda approval:
3. Previous meeting minutes approval:

B. Officer and Committee Reports.
1. Chairperson (Hofer): General and new members welcome
2. Vice-Chairperson (Fagan):
3. Treasurer- General financial report (O'Dell):
4. Secretary (Campbell)- Administrative report:

C. Unfinished and Ongoing Business.
1. Membership Management System overview (James)
2. Membership opportunities/needs – review of membership benefits in order
3. Alabama QCP Exploratory Committee update (Perez)
4. Utility Relocation Study Commission participation update (Fagan)
5. AU-SRF Tiger Stream webinars update (Perez)
6. Director Vacancy Discussion
    a. 11 of possible 15 positions currently filled
    b. Potential board member representing North Alabama (Rogers)
7. Clearwater updates (James)

8. Discussion of future events
    a. Near future events
        i. Fall (in-person) - Clear Water Alabama Seminar
        ii. Winter (virtual)- Fall/Winter CPESC Review (taught by Fagan and Earl Norton), Provided by Fagan Consulting in partnership w/ ASA, SWCS, GMC, and ALDOT, ASA will promote
        iii. Spring (in-person) - CGP and/or MS4 audit, 5 MCMs, etc., ADEM speaker Carlson/Rogers, in person, 4 Hours
        iv. Summer (virtual) - TBD
    b. Distant future events
        i. Joint event with SESWA (next time in AL) – October 2026, Point Clear, AL
        ii. Co-event to be explored with AFPM (O'Dell to coordinate ASA involvement),
        iii. Virtual ASA Ethics in Stormwater Management
        iv. In-person seminar at ALDOT classroom, then facility tour/social at Montgomery Whitewater Park
9. ASCE Report Card (Fagan)
10. Auburn Grant & ASA Partnership (Hofer& Perez)- USDA Rural Development Technical Assistance, Training, and Solid Waste Management Grant Programs - Rural Alabama Innovative Stormwater (RAISE) Program Update

D. New Business.

1. Website Review & Update (Fagan)

E. Other New Business.

F. Announcements. Relevant board happenings, industry news, events, and potential ASA

Meeting Minutes

Alabama Stormwater Association

ALABAMA STORMWATER ASSOCIATION
BOARD OF DIRECTORS' MEETING

MEETING DETAILS

DATE: **January 21, 2026**
TIME: **1:00pm – 3:00pm**
MINUTES TAKEN AND SUBMITTED BY: **Ashley Campbell**

MEETING PURPOSE: Board of Directors Meeting – regular (quarterly)

MEETING LOCATION: Hybrid **(ALSWCC and Teams)**

ATTENDEES

PRESENT (Quorum: simple majority = 6 of 11 Directors):

Ashley Campbell	**Wade Burcham**	**Jimbo Carlson**
Barry Fagan	**Scott Hofer**	**Case O'Dell**
Mike Perez	**Scott Rogers**	**Marla Smith**
Henry Wade		

NOT PRESENT: Ashley Hednerson, Gina Romine
GUESTS: Courtney Currenton-Baker (Representing Ashley Henderson), Alex James, Michael Perez

MEETING AGENDA AND DISCUSSION

A. Administration.

1. Quorum recognition: 9 of 11 Quorum
2. Agenda approval: No comments
3. Previous meeting minutes approval: No comments

B. Officer and Committee Reports.

1. Chairperson (Hofer): General and new members welcome with Introductions
2. Vice-Chairperson (Fagan):
    a. Apologized for TEAMS meeting issues
    b. Reminder for Board to visit our website and make recommendations for updates
    c. Directors were asked to submit upcoming events on the ASA calendar
3. Treasurer- General financial report (O'Dell):
    a. A discussion was held regarding checking accounts and email address updates to ASA accounts
    b. ASA has a google drive that will be shared with the board
4. Secretary (Campbell)- Administrative report: No Report

C. Unfinished and Ongoing Business.

1. Membership Management System overview (James)
2. Membership opportunities/needs – Directors were asked to review membership benefits matrix and provide comments
3. Alabama QCP Exploratory Committee update (Perez)- An update was given regarding the Alabama QCP program including the following items:

a. The program's name is the Alabama Construction Stormwater Professional- ACSP
b. 1.5-day class with exam
c. CEUs required for annual renewal
d. Code of Ethics and Scope of Program is in draft form ready for review
e. ASA agreed to assist in the review of the program.

4. Utility Relocation Study Commission participation update (Fagan)-No recent meetings; no update
5. AU-SRF Tiger Stream webinars update (Perez)-
    a. The 17th Tiger Stream Webinar will be Wednesday January 28th. Amy Hourigan with the USGS will be presenting
    b. ASA was asked to submit topics and speakers for the future webinars
6. Director Vacancy Discussion
    a. 11 of possible 15 positions currently filled
    b. Potential board members representing North Alabama (Rogers)-Possible members mentioned below:
        i. Colleen Cook, City of Tuscaloosa, Watershed Manager
        ii. Heather Byars, ADEM Representative for Decatur
        iii. ASWCD Conservation District employee
        iv. TNC employee
        v. Lawyer with environmental background
7. Clearwater Conference updates (James)-An update was provided with the following comments:
    a. Clearwater 1st Planning meeting was held on 1/20/2026
    b. Location-Tuscaloosa
    c. September 23rd & 24th
    d. Working on logistics; facility, times, etc.
    e. ASA will handle the following responsibilities:
        i. ASA will sponsor the breakfast
        ii. ASA will identify the keynote speaker
        iii. ASA Fireside Chats
        iv. ASA was not visible during last year's meeting
        v. Discussion was held regarding ordering swag and table booth for Clearwater
        vi. ASA needs to register our trademark in Alabama
8. Discussion of future events
    a. Near future events
        i. Fall (in-person) – 2026 Clear Water Alabama Seminar
        ii. Winter (virtual) --2026 Fall/Winter-TBD
        iii. Spring (in-person) – March 17th or March 31st 10:30am-2:30 pm-In person, 4 Hours with lunch
            1. Potential Topics
                a. ADEM Director
                b. ADEM Construction General Permit
                c. ADEM MS4 audit, 5 MCMs, etc.,
                d. ADEM MS4 audit success story
                e. Alabama Construction Stormwater Professional Program

f. Cap registration up to 100
g. Free or Fee
h. Planning committee for the event
    i. Carlson
    ii. Hofer
    iii. James
    iv. Rogers
    v. Baker-Guest

iv. Summer (virtual) - TBD

b. Distant future events
    i. Joint event with SESWA (next time in AL) – October 2026, Point Clear, AL
        1. Tradeshow with exhibitors
        2. Possibility for an ASA Table
        3. Possibility for an ASA presentation
    ii. Co-event to be explored with AFPM (O'Dell to coordinate ASA involvement),
        1. Tradeshow with exhibitors
        2. Possibility for an ASA Table
        3. Possibility for an ASA presentation
    iii. Virtual ASA Ethics in Stormwater Management-No update
    iv. In-person seminar at ALDOT classroom, then facility tour/social at Montgomery Whitewater Park -No update

9. ASCE Report Card (Fagan)
    a. Report Card Team Organized
    b. Meeting monthly
    c. Rogers has created a survey for members
10. Auburn Grant & ASA Partnership (Hofer& Perez)- USDA Rural Development Technical Assistance, Training, and Solid Waste Management Grant Programs - Rural Alabama Innovative Stormwater (RAISE) Program Update-Grant was not submitted due to email, SAM.GOV, and other logistics issues

D. New Business. Website Review & Update (Fagan)-This item was discussed during Officer and Committee Reports

E. Other New Business.

F. Announcements. Relevant board happenings, industry news, events, and potential ASA

MINUTES

Alabama Stormwater Association

ALABAMA STORMWATER ASSOCIATION
BOARD OF DIRECTORS MEETING

MEETING DETAILS

DATE: **October 15, 2025**
TIME: **1:00pm – 3:00pm**
MINUTES TAKEN AND SUBMITTED BY: **Barry Fagan, 10/27/2025**

MEETING PURPOSE: Board of Directors Meeting – regular (quarterly)

MEETING LOCATION: Hybrid **(ALSWCC and Teams)**

ATTENDEES

PRESENT (Quorum: simple majority = 6 of 11 Directors):

- Campbell (virtual)
- Carlson (virtual)
- Fagan
- Henderson
- Henry (virtual)
- Hofer
- O'Dell (virtual)
- Perez (virtual)
- Rogers

NOT PRESENT:

- Romine
- McCauley (resigned from board on 10/14/2025)

GUESTS:

- Alex James, Urban Watershed Specialist, ALSWCC; ASA operational assistance

MEETING AGENDA AND DISCUSSION

A. Administration

1. Quorum recognition: 9 of 11 present
2. Agenda approval: topics added as noted below
3. Previous meeting minutes approval: no exceptions noted

B. Officer and Committee Reports.

1. Chairperson -General welcome
2. Vice-Chairperson -Membership status: 133 members, 23 lapsed
3. Treasurer- General financial report: MGM Whitewater needs to be paid; ASA to provide $14k advance to Perry Oakes for Clear Water Alabama expenses; cash balance $39,998.71; approx. $20k owed to Clear Water Alabama (SWCS)
4. Secretary - Administrative report: bylaws need updating (add past chair to executive committee; allow for director term limits of executive committee officers to be suspended

while in office (5 years are required to fully move through the executive rotation), through the officer rotation); need to upload file structure into shared Google Drive; Fagan will record minutes of meeting due to O'Dell being advanced to treasurer role (see executive committee changes below)

C. **Unfinished and Ongoing Business.**

1. Membership Management System overview (A. James)
2. Membership opportunities/needs – review of membership benefits in order
3. Alabama QCP Exploratory Committee update (Perez) – behind original schedule but making progress; new CGP in Spring of 2026
4. Utility Relocation Study Commission participation update (Fagan) – no change since last report; no impacts or need for involvement by ASA
5. AU-SRF Tiger Stream webinars update (Perez) – need more visible Tiger Stream and ASA collaboration

D. New Business

1. Officer Vacancy Discussion
    i. (section 5.06 and 5.07 of Bylaws)
    ii. Henderson resigning from executive committee (staying on BOD); Fagan will advance to vice chair; O'Dell will advance to treasurer;
        1. Motion made and seconded; vote carried with no exceptions
    iii. secretary nominations were discussed
2. Director Vacancy Discussion
    i. 10 of possible 15 positions currently filled
    ii. Potential directors to reach out to:
        1. Angela Zwissler (Rogers to contact)
        2. Wade Burcham (Campbell to contact)
        3. Marla Smith (Hofer to contact)
3. Clearwater review and discussion
    i. Thoughts from attendees – overall positive; need more ASA visibility
    ii. Financial outcome – 10% of income (approx. $2,000)
4. Survey Results Discussion (Hofer)
5. Discussion of near-future events
    i. Goals
        1. Fall (in-person) - Clear Water Alabama Seminar
        2. Winter (virtual)- TBD
        3. Spring (in-person) - TBD
        4. Summer (virtual) - TBD
6. ASCE Report Card
    i. Fagan to lead 2027 grading of stormwater infrastructure category; ASA will be noted contributor; team being selected now; report due in August of 2026

7. Current Ideas
    i. CGP and/or MS4 audit, 5 MCMs, etc., ADEM speaker Carlson/Rogers, in person, full day
    ii. Fall/Winter CPESC Review (taught by Fagan and Earl Norton), Provided by Fagan Consulting in partnership w/ ASA, SWCS, GMC, and ALDOT, ASA will promote
8. Ideas for distant-future events.
    i. Post-Construction seminar (Hofer)
    ii. Joint event with SESWA (next time in AL) – October 2026, Point Clear, AL
    iii. Co-event to be explored with AFPM (O'Dell to coordinate ASA involvement),
    iv. Virtual ASA Ethics in Stormwater Management – fairly easy space filler if event needed
    v. In-person seminar at ALDOT classroom, then facility tour/social at Montgomery Whitewater Park

E. Other New Business.

1. Officers meet virtually on the 3rd Tuesday of each month (late afternoon, 1 hour)

F. Announcements. Relevant board happenings, industry news, events, and potential ASA opportunities and impacts.

1. November 17, 2025: National Stormwater Day – NMSA-led events
2. ASCE EWRI in Mobile last week of April 2026
3. Next Executive Committee meeting: October 21, 3:00
4. Next Board of Director Meeting: January 21, 1:00pm

MINUTES

Alabama Stormwater Association

ALABAMA STORMWATER ASSOCIATION
BOARD OF DIRECTORS MEETING

MEETING DETAILS

DATE: **July 16, 2025**
TIME: **1:00pm – 3:00pm**
MINUTES TAKEN AND SUBMITTED BY: **Barry Fagan, 7/16/2025**

MEETING PURPOSE: Board of Directors Meeting – regular (quarterly)

MEETING LOCATION: Hybrid **(ALSWCC and Teams)**

ATTENDEES

PRESENT (Quorum: simple majority = 6 of 11 Directors):

- Campbell (virtual)
- Carlson
- Fagan
- Henderson
- Henry (virtual)
- Hofer
- McCauley (virtual)
- O'Dell
- Perez
- Rogers
- Romine (virtual

NOT PRESENT:

- NA

GUESTS:

- Alex James, Urban Watershed Specialist, ALSWCC; ASA operational assistance (provided attached report)

MEETING AGENDA AND DISCUSSION

A. Administration

1. Quorum recognized.
2. Agenda approved by unanimous consent.
3. Previous meeting minutes approved by unanimous consent.

B. Officer and Committee Reports.

1. Chairperson (Rogers) –
    a. General welcome, ASA direction and health, leadership, and management.
2. Vice-Chairperson (Hofer)–
    a. Membership: 77 SW Professionals, 13 Students, 1 Sustaining Partner, 4 Supporting Org. (2 Creek, 2River)
    b. Membership management service (general update, more discussion below)
    c. Debrief and discussion: consultation with association management company
    d. Member survey – need more information; do another for prospects
3. Treasurer (Henderson)-
    a. General financial report provided
4. Secretary - Administrative report (Fagan).

a. Bylaws changes - Policy to be amended to allow for director terms of executive committee officers to be suspended while in office, through the officer rotation. Fagan will review and present changes to bylaws and director and officer policy.
b. Director/Officer duties policy – add past chair and review order of executive committee rotation.
c. Fagan to work to provide access to shared files in Teams.

C. Unfinished and Ongoing Business.

1. Membership Management System
    a. System Maintenance
        ii. Operational needs - administrative assistance (A. James is assisting)
    b. Membership opportunities/needs (Fagan/Hofer)
        iii. Membership outreach
        iv. Sustaining Partners and Supporting Organizations – need to replace placeholders with paying partners and organizations – real need exists to begin adding supporting organizations
    c. Website development (Fagan)
        v. General –
            1. All directors will review site and communicate any suggestions for enhancements and corrections.
        vi. Member resources page –
            1. Member resource suggestions needed
            2. Professional development records access - Hofer will investigate.
            3. YouTube channel to house webinar recording, linked to from website – H. Willis has set up channel
            4. Membership directory access
        vii. Website sponsorship opportunities/needs
            1. Need website sponsorship to replace placeholder entities
        viii. ASA Calendar update needs (Fagan w/A. James will develop policy and process).
            1. Create policies for notification and posting – generally, ok if in alignment with ASA mission, vision, and values.
            2. Create process for receiving and posting events – members can currently post events for review/posting. Need to advertise benefit.
    d. Alabama QCP Exploratory Committee Update (Perez)
    e. Utility Relocation Study Commission participation update (Fagan)
        a. Fagan rep[resenting ASA - taking neutral position while advocating for Alabama waters; request that utilities be held to ALDOT stormwater management standards when working on ALDOT rights of way.

D. New Business - events.

1. Discussion of recent past events.
    a. June seminar – co-branded with AUSRF TigerStream – ASCE Report Card, Fagan presented, no fee charged, no income received
2. Discussion of details and needs for confirmed near-future events.
    a. Reminder of Board event goals:

i. Offer annual Spring and Fall workshops (goal: spring in-person (full day), virtual, Fall CWA, virtual).
ii. Every ASA event makes money.

b. Clear Water Alabama planning progress, needs (Henderson, James, Fagan)
c. AU-SRF Tiger Stream webinars (Perez) – board offered several potential speakers and topics

3. Discussion of unconfirmed but planned future events.
   a. Spring 2026: CGP and/or MS4 audit, 5 MCMs, etc, ADEM speaker Carlson/Rogers, in person, full day
4. Ideas for distant-future events.
   a. In-person seminar at ALDOT classroom, then tour/social at Montgomery Whitewater Park – (Fagan managing water technical presentation, facility tour, lunch, social/paddle afterward (Fagan to explore and coordinate)
   b. Fall/Winter CPESC Review (taught by Fagan and Earl Norton), Provided by Fagan Consulting in partnership w/ ASA, SWCS, GMC, and ALDOT, ASA will promote
   c. ASA Ethics in Stormwater Management – previously planned for Fall/Winter 2024 webinar –
      i. Free for members, $35 fee for others
   d. Co-event to be explored with AFPM (O'Dell to coordinate ASA involvement), annual meeting October 8-10; Perdido Beach Resort
   e. Joint event with SESWA (next time in AL) – October 2026, Point Clear, AL (Hofer to coordinate ASA involvement) (next meeting Oct 2025, Hilton Head)
   f. Stormwater infrastructure mapping

E. Other New Business.

1. Board of Directors makeup.
   a. Bylaws will be changed to add Past Chair to executive committee
   b. Directors: 2-year rotation, Officers: 1 year rotation
   c. Officer rotations happen in October.
      i. Vote for planned rotation – passed unanimously
         1. Rogers from Chair to Past Chair
         2. Hofer from Vice-Chair to Chair
         3. Henderson from Treasurer to Vice Chair
         4. Fagan from Secretary to Treasurer
      ii. Nominations and voting for secretary
         1. Case O'Dell nominated and confirmed unanimously
2. Executive Committee Updates.
   a. Current executive officer positions will rotate October 1, 2025
      i.
   b. Order of Executive Committee officer rotation: secretary, treasurer, vice-chair, chair.
   c. Officers meet virtually on the 3rd Tuesday of each month (late afternoon, 1 hour)

F. Announcements.

1. Relevant board happenings, industry news, events, and potential ASA opportunities and impacts.
   a. ADEM CGP stakeholder review: Mid-June 2025?

b. Next BOD meeting – Wednesday, October 15, 2025 1:00 – 3:00 (targeting 2 hours; hybrid: in-person at SWCC office and virtual). Henderson to reserve room and send parking deck code. Fagan to send Teams invitation; (Board meetings recur on the 3rd Wednesday of the first month of each quarter if possible).
c. Next Executive Committee meeting: August 19, 3:00)

1. Association direction, leadership, and management discussion by Chairperson – Rogers

MINUTES

Alabama Stormwater Association

ALABAMA STORMWATER ASSOCIATION
BOARD OF DIRECTORS MEETING

MEETING DETAILS

DATE: **May 16, 2025**
TIME: **12:30pm – 4:30pm**
MINUTES TAKEN AND SUBMITTED BY: **Barry Fagan, 4/25/2025**

MEETING PURPOSE: Board of Directors Meeting – regular (quarterly)

MEETING LOCATION: Hybrid **(ALSWCC and Teams)**

ATTENDEES

PRESENT (Quorum: simple majority = 6 of 11 Directors):

- Campbell (virtual)
- Carlson (virtual)
- Fagan
- Henderson
- Henry
- Hofer
- Perez
- Rogers

NOT PRESENT:

- McCauley
- O'Dell
- Romine

GUESTS:

- Alex James, Urban Watershed Specialist, ALSWCC; ASA operational assistance

MEETING AGENDA AND DISCUSSION

A. Administration

1. Quorum recognized.
2. Agenda approved by unanimous consent.
3. Previous meeting minutes approved by unanimous consent.

B. Officer and Committee Reports.

1. Chairperson (Rogers) –
    a. General welcome, ASA direction and health, leadership, and management.
    b. Welcome new Director Perez
        i. Confirmation motion – Henderson, 2nd – Hofer, unanimously approved
2. Vice-Chairperson (Hofer)–
    a. Membership:
    b. Membership management service (general update, more discussion below)
3. Treasurer (Henderson)-
    a. General financial report
    b. Clear Water Alabama reconciliation update
4. Secretary - Administrative report (Fagan).
    a. Alabama QCP Exploratory Committee Update (Perez) - Wes Donald leading effort, making some progress.

C. Unfinished and Ongoing Business.

1. Membership Management System
    a. System Maintenance

ii. Operational needs - administrative assistance (A. James is assisting)

b. Membership opportunities/needs (Fagan/Hofer)
   iii. General membership report –
   iv. Membership outreach
   v. Sustaining Partners and Supporting Organizations – need to replace placeholders with paying partners and organizations – real need exists to begin adding supporting organizations

c. Website development (Fagan)
   vi. General –
      1. All directors will review site and communicate any suggestions for enhancements and corrections.
   vii. Member resources page –
      1. Member resource suggestions needed
      2. Professional development records access - Hofer will investigate.
      3. YouTube channel to house webinar recording, linked to from website – H. Willis has set up channel
      4. Membership directory access
   viii. Website sponsorship opportunities/needs
      1. Need website sponsorship to replace placeholder entities
   ix. ASA Calendar update needs (Fagan w/A. James will develop policy and process).
      1. Create policies for notification and posting – generally, ok if in alignment with ASA mission, vision, and values.
      2. Create process for receiving and posting events

D. New Business - events.

1. Discussion of recent past events.
   a. Montgomery Area Table Talk
2. Discussion of details and needs for confirmed near-future events.
   a. Reminder of Board event goals:
      i. Offer annual Spring and Fall workshops.
      ii. Every ASA event makes money.
      iii. 1 membership drive/year associated with a virtual event (to help those whose employers do not pay for association memberships.
   b. Clear Water Alabama planning progress, needs
3. Discussion of unconfirmed but planned future events.
   a. June seminar – MS4 audit, etc, ADEM speaker Carlson/Rogers
4. Ideas for distant-future events.
   a. In-person seminar at Montgomery Whitewater Park – (Fagan managing water technical presentation, facility tour, lunch, social/paddle afterward (Fagan to explore and coordinate)
   b. Fall CPESC Review (taught by Fagan and Earl Norton),– Provided by Fagan Consulting in partnership w/ ASA, SWCS, GMC, and ALDOT
   c. May 2026 – CGP webinar
   d. Ethics in Stormwater Management – previously planned for Fall/Winter 2024 webinar –
      i. Free for members, $35 fee for others

e. Co-event to be explored with AFPM (O'Dell to coordinate ASA involvement), annual meeting October
f. Joint event with SESWA (next time in AL) – October 2026, Point Clear, AL (Hofer to coordinate ASA involvement)

E. Other New Business.

1. Board of Directors makeup.
2. Executive Committee makeup.
    a. Current executive officer positions will rotate October 1, 2025 (vote in July 2025 meeting)
    b. Order of Executive Committee officer rotation: secretary, treasurer, vice-chair, chair.
    c. Policy to be amended to allow for director terms of executive committee officers to be suspended while in office, through the officer rotation. Fagan will review and present changes to bylaws and director and officer policy.

F. Announcements.

1. Relevant board happenings, industry news, events, and potential ASA opportunities and impacts.
    a. Next BOD meeting – Wednesday, July 16, 2025 12:30 – 4:30 (hybrid: in-person at SWCC office and virtual). Henderson to reserve room and send parking deck code. Fagan to send Teams invitation; (Board meetings recur on the 3rd Wednesday of the first month of each quarter if possible).
2. Association direction, leadership, and management discussion by Chairperson – Rogers

Baldwin County Geospatial Resource Working Group

Wednesday, 12/17/2025, 0900-1200

Work Session Agenda

- Welcome & Introductions
- Review of Prior Meeting Outcomes & Action Items
- EMA & Building Inspection data integration (Jacob & Zachary)
- "New neighborhoods" data (Scott Warner)
- CIS inclusion in process and meetings and CIS Role in Geospatial Workflow
    - Data governance and system support
    - Role in public-facing GIS products
- Geospatial Data Inventory Overview
    - Key datasets
    - Data ownership and maintenance
    - GIS Product Standardization (Core Item)
        - Symbology
        - Color schemes
        - Naming conventions and terminology
- County Map Landing Page – Concept
    - Purpose and audience
    - 4–5 core maps for public access
- Training & Skill Baseline – Initial Discussion
- Follow-Up and Next Steps
    - Decisions, Action Items, and Owners
    - Next Meeting Date & Adjourn

Baldwin County Geospatial Resource Working Group

Wednesday, 10/22/2025, 0900-1200

Meeting Summary

Work Session Summary

The Baldwin County Geospatial Resource Working Group met on October 22, 2025, for a work session focused on strengthening interdepartmental coordination and advancing shared geospatial capabilities across Baldwin County departments. The group reviewed its purpose and goals, discussed current geodatabase resources, and examined the range of technical GIS skills among staff. Participants emphasized the importance of consistent data practices, shared understanding of geospatial tools, and continued collaboration to support planning, operations, and emergency management functions. It was also discussed that CIS should be intentionally included in future processes and meetings to ensure alignment and integration with county technology systems and initiatives.

The group reviewed staff development and training efforts and discussed the need for baseline technical skill expectations to reduce silos and improve continuity. Establishing consistent competencies and a more structured training approach was identified as a key step toward long-term sustainability of countywide geospatial resources. Participants agreed that improving standardization and coordination will enhance both internal decision-making and public-facing products.

Next Steps

Next steps include working toward standardizing geospatial/GIS product symbology, color schemes, and terminology across Baldwin County departments. Jacob Pierce and Zachary Bodle will work on incorporating EMA and Building Inspection Department data, while Scott Warner will provide updated "new neighborhoods" data. The group also established a new goal of creating a County Map landing page on the Baldwin County Commission website, which will host four to five key maps in a centralized location for public access and use.

Baldwin County Geospatial Resource Working Group

Wednesday, 10/22/2025, 0900-1200

Work Session Agenda

1) Facility Welcome/Hospitality and Safety Briefing
2) Working Group Purpose and Goals Review
3) Attendee Introductions
4) Geodatabase Update(s)
5) Technical Skills Review
6) Baseline Goals for Staff Technical Skills
7) Staff Development and Training Report
8) Staff Development and Training Plan

Next Steps

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ **Next Work Session or Meeting Date & Time**_____

Staff Present

Name	Department/Agency/Organization	Signature
Jacob Pierce	Hwy	
Zachary Bodle	Hwy	
Tyler Bagett	Hwy	
Chad Downing	Hwy	
Corey Flowers	Building Insp.	
Mindy Smith	Building Insp.	
Ashley Campbell	Planning & Zoning	
Celena Boykin	Planning & Zoning	
Tom Tyler	EMA	
Danon Smith	EMA	
Anna-Marie O'Brien	EMA	
Robert Quates	EMA	
Natascha Dilley	EMA	
Scott Warner	Baldwin County 9-1-1	

Wed., 10/22/2025, Work Session Notes for Summary – Danon will follow up with the Summary

Baldwin County Geospatial Resource Working Group

09/10/2025 Work Session Discussion Summary

Work Session Summary

- Reviewed the goals and vision for a countywide GIS Working Group.
- Identified the need for a sustainable structure that can:
  - Support long-term operations.
  - Expand as county needs grow.
- Discussed cross-department collaboration to share resources and data effectively.
- Outlined key program elements: staff training needs, governance, data standards, technology platforms, staffing, and department geospatial data categories needed for departments represented.
- Began to draft framework for the Geospatial Resource Program.
- Determined sustainability and scalability are essential as core principles.
- Identified collaboration between departments as critical for success.

Staff Present

Name	Department
Jacob Pierce	BC Hwy
Zachary Bodle	BC Hwy
Corey Flowers	Building Insp.
Mindy Smith	Building Insp.
Ashley Campbell	Planning & Zoning
Celena Boylkin	Planning & Zoning
Tom Tyler	EMA
Danon Smith	EMA
Anna-Marie O'Brien	EMA
Scott Warner	Baldwin County 9-1-1

Next Steps

- ☐ Coordinate with departments to establish data needs and sources, set up/update profiles in ArcGIS, and update users and accounts **(Jacob, Zachary, and CIS)**
- ☐ Coordinate with Mississippi State to schedule Intro to ArcGIS Pro Training **(Scott Warner/Danon)**
- ☐ Contact ALDOT to request a representative join our next work session **(Scott Warner/Anna-Marie)**
- ☐ Schedule our next work session/meeting, calendar, and reserve meeting space **(Danon/Karen)**

Ashley Campbell

Subject: FW: Coastal VM Partners Quarterly Call
Location: https://auburn.zoom.us/j/86263113067

Start: Thu 1/22/2026 12:00 PM
End: Thu 1/22/2026 1:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Mona Dominguez

Add to your calendar

-----Original Appointment-----
From: Mona Dominguez <srs0013@auburn.edu>
Sent: Wednesday, October 1, 2025 3:16 PM
To: Mona Dominguez; lgahagan@cityoffoley.org; jackieamcgonigal@gmail.com; johanna.gertsch@dcnr.alabama.gov; nicole.love@fairhopeal.gov; Ashley Campbell; mfearn2307@gmail.com; mberardinelli0627@gmail.com; ckistler@mobilebaykeeper.org; sprinkle@southalabama.edu; mollymiller@southalabama.edu; rswann@mobilebaynep.com; jkudulis@mobilebaynep.com; rsmart@mobilebaynep.com; tfhenken@gmail.com; rnewton@cityoffoley.org; bmorrison@mobilebaynep.com; Sydney Zinner; ruizcor; Carolina Ruiz Cordova Hawk; Amy Zvonar
Subject: Coastal VM Partners Quarterly Call
When: Thursday, January 22, 2026 12:00 PM-1:00 PM (UTC-06:00) Central Time (US & Canada).
Where: https://auburn.zoom.us/j/86263113067

This message has originated from an External Source. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Ashley Campbell

Subject: Coastal VM Partners Quarterly Call
Location: https://auburn.zoom.us/j/86263113067

Start: Thu 11/6/2025 12:00 PM
End: Thu 11/6/2025 1:00 PM

Recurrence: (none)

Meeting Status: Accepted

Organizer: Mona Dominguez

This message has originated from an External Source. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Ashley Campbell

Subject:	Coastal Volunteer Water Monitoring Partners Quarterly Call
Location:	Microsoft Teams Meeting
Start:	Thu 4/17/2025 11:00 AM
End:	Thu 4/17/2025 12:00 PM
Recurrence:	(none)
Meeting Status:	Accepted
Organizer:	Mona Dominguez

This message has originated from an **External Source.** Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

https://auburn.zoom.us/j/86263113067

Microsoft Teams Need help?

Join the meeting now

Meeting ID: 294 209 710 052

Passcode: 9By7Kd2E

Dial in by phone

+1 205-506-2288,,445258992# United States, Birmingham

Find a local number

Phone conference ID: 445 258 992#

For organizers: Meeting options | Reset dial-in PIN

Org help | Privacy and security

MAGNOLIA RIVER TASKFORCE MEETING AGENDA

Wednesday, March 4, 2026, 10:00 a.m.

I. MAGNOLIA RIVER MULTI-JURISDICTIONAL PROTECTION ORDINANCE

Discussion & Next-Steps

II. AUBURN UNIVERSITY GROUNDWATER TESTING

Selection of sites, timeline and any updates

III. UPCOMING GRANT OPPORTUNITIES

ADEM Section 319, ACAMP Coastal Non-Point Source Pollution Control

IV. EPA/ADEM STANDARDS SINCE LAW CHANGES

V. ENTEROCOCCUS VS. E. COLI WATER TESTING

VI. GOALS/VISION FOR 2026

Magnolia River Task Force Meeting Summary

March 4, 2026, 10:00 a.m.

Present:
Farnaz Bayat, SARPC
Bob Turner, Town of Magnolia Springs
Hannah Driskell, Town of Magnolia Springs
Ross Houser, Town of Magnolia Springs
Wade Perry, Mobile Baykeeper
Ashley Campbell, Baldwin County
Nick Williams, City of Foley
Tammy Mattox, Magnolia River Water Watch
Lisa Mason-Sanders, Magnolia River Water Watch
Mona Dominguez, Alabama Water Watch
Blair Morrison, Mobile Bay National Estuary Program
Shemika Brown, Mobile Bay National Estuary Program
Ann Ojeda, Auburn University

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1. Magnolia River Multi-Jurisdictional Protection Ordinance

Presenter: Farnaz Bayat, South Alabama Regional Planning Commission (SARPC)

- SARPC is conducting a watershed study as a prerequisite to drafting a potential multi-jurisdictional river protection overlay ordinance.
- The study includes:
    - 10 years of land use and land cover change analysis
    - Agricultural activity and irrigation patterns
    - Water quality trends (before/after storm events)
    - Runoff impacts
- Goal: Collaborate with jurisdictions along the river (Magnolia Springs, Foley, Baldwin County, etc.) to potentially develop a shared overlay district with agreed-upon protective measures (e.g., septic setbacks, buffers).
- Initial draft of the ordinance is targeted for September, with possible extension through early next year.
- Discussion emphasized:
    - The importance of consistent regulations across jurisdictions.
    - The political realities at the county level (past public votes against additional protections).
    - Reviewing existing subdivision and zoning regulations to identify gaps or inconsistencies.
- Baldwin County has an Excel comparison of jurisdictional stormwater requirements (detention, buffers, etc.) that will be shared.
- Ongoing coordination between municipalities is encouraged to maintain consistency.

---

2. Auburn University Groundwater Testing Update

Presenter: Dr. Ann Ojeda, Auburn University

Well Water Workshop

- Recent workshop had record attendance (37 wells tested).
- Only 1 well tested positive for bacteria — significantly lower than the national average (~30%).
- Winter sampling likely contributed to lower bacterial detections.
- Auburn offers:
  - $20–$30 comprehensive well water screening (metals, pH, etc.)
  - On-site bacterial testing (due to holding time limitations)

Long-Term Monitoring Project

- Funding approved through Gulf of America Alliance (via NOAA), but funds have not yet been released.
- Plan to install 8–12-month shallow groundwater monitoring stations (piezometers) near streams.
- Stations:
  - Solar-powered
  - ~$2,000–$2,500 each
  - Installed on private property for protection
- Purpose:
  - Detect septic plume discharge to surface waters
  - Test for human-specific bacteria marker (HF183)
  - Distinguish septic impacts from other sources
- Potential to pair groundwater and river samples.
- Follow-up site visit will be scheduled once funding is released.

---

3. Section 319 & Other Grant Opportunities

Section 319 (ADEM)

- Current grant wrapping up.
- Exploring match funding via National Fish & Wildlife Foundation.
- Magnolia River restoration concepts at 60% design (mining pit stream restoration & constructed wetland).
- Potential inclusion of:
  - K9 pathogen tracking
  - Source tracking
  - Low impact development (LID) downtown

ADEM CWSRF / CAMP Grant (Due March 27)

- Possible sediment study funding opportunity (~$50,000, 50/50 match).
- Discussion of updating previous sediment study (original conducted during drought conditions).

- Would evaluate:
  - Suspended sediments (clays/silts)
  - Bed load (larger materials)
- Land use change impacts could be incorporated into analysis.
- Potential partnership with National Estuary Program and University of South Alabama.

---

4. Sediment Study Discussion

- Previous study (approx. 10–15 years ago) may have underreported sediment movement due to drought.
- New study could:
  - Provide updated baseline.
  - Inform restoration design standards.
  - Compare pre- and post-development sediment loading.
- Suspended sediment is typically the greater issue locally.
- Grant language from prior sediment studies will be shared for reference.

---

5. EPA vs. ADEM Standards (Recent State Law)

- New Alabama law prohibits state regulations from being stricter than federal standards.
- Existing regulations remain in effect unless rewritten.
- Potential implications:
  - Coastal wetland protections (ADEM vs. federal jurisdiction)
  - Future regulatory updates
- General consensus: most state standards align with federal minimums but monitoring is ongoing.

---

6. Bacterial Testing: Enterococcus vs. E. coli

- Current concern: Wide discrepancies between testing methodologies (IDEXX vs. other methods).
- Public confusion arising from significantly different reported values.
- Proposed solution:
  - Conduct split-sample correlation study.
  - Collect one well-mixed sample.
  - Run triplicate tests using both methods.
  - Compare results under multiple conditions (wet, dry, warm, etc.).
- Goal: Establish confidence and transparency in reported results.
- Potential to incorporate into future grant funding or K9 program.

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7. Continuous Monitoring & Weather Stations

- Magnolia Springs purchased a Davis weather station.
- To be installed on mayor's dock/boathouse for river-specific rainfall data.
- Data will:
    - Improve watershed modeling.
    - Validate turbidity spikes.
    - Support disaster reporting.
- Baldwin County also installing additional stations.
- Continuous turbidity monitor (LT1) planned downstream of mining pit restoration.
- Weather Underground data integration discussed.

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8. Goals & Vision for 2026

Proposed priorities:

1. Establish quarterly coordination meetings among:
    - Magnolia River
    - Wolf Bay Watershed
    - Weeks Bay
    - Gulf Shores groups
2. Form Magnolia River Water Watch as a 501(c)(3).
3. Host annual public watershed meeting (similar to Wolf Bay model).
4. Improve cross-group communication and data sharing.
5. Continue:
    - Restoration implementation
    - Source tracking expansion
    - Sediment reassessment
    - Monitoring program alignment

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9. General Notes

- Strong regional collaboration emphasized.
- Auburn University participation considered highly valuable.
- National Estuary Program and other partners remain engaged.
- Focus remains on data-driven decision making and unified messaging.

Magnolia River Water Watch

Monday, September 8 2025
10:00 AM
Magnolia Springs Town Hall

Agenda

1. Opening Remarks – Bob Turner
2. Discuss recent pollution concerns
3. Discuss E.coli vs Enterococcus
4. Assign locations on map for blitz
5. Discuss procedures for testing on day of blitz

Magnolia River Water Watch

7/21/25 10:00 AM

Agenda

1. Discuss the procedures for investigating possible source(s) for high bacteria readings in water ways.
2. Discuss the procedure for eliminating source(s) of high bacteria readings in waterways once found
3. Discuss the best possible way to test for bacteria in waterways. Index or R-card?
4. Discuss e-coli and entero-coccus
    a. Where to test for which one?
    b. Why not test both?
    c. EPA approval
5. Discuss interpretation of bacteria levels
    a. ADEM
    b. EPA

Magnolia River Water Watch Contact List

Name	Organization	E-mail	Phone #
1. Leslie Gahagan	City of Foley	lgahagan@cityoffoley.org	Office: 251-923-4267
2. Angie Eckman	City of Foley	aeckman@cityoffoley.org	Office: 251-923-4268
3. Cassy Bates	Mobile Bay Keeper	cbates@mobilebaykeeper.org	Office: 251-436-1994 ext. 107
4. Regan Smart	Mobile Bay Keeper	rsmart@mobilebaynep.com	Cell: 251-380-7938
5. Ashley Campbell	Baldwin County- Environmental	ashley.campbell@baldwincountyal.gov	Office: 251-972-8523 ext. 7260 Cell: 251-423-3632
6. Ross Houser	Town of Magnolia Springs	mayor@magnoliaspringsal.gov	Cell: 251752-1444
7. Lisa Sanders	Magnolia Springs Water Watch	sandeli15936@gmail.com	Cell: 770-778-5858
8. Bill McFadden	Magnolia Springs Water Watch	pecanbendfarm@icloud.com	Cell: 251-426-2255
9. Bob Turner	Magnolia Springs Water Watch	bigbobt6@gmail.com	Cell: 251-942-3036
10. Hannah Driskell	Magnolia Springs Water Watch	clerk@magnoliaspringsal.gov	Cell: 251-747-1006
11. Johanna Gertsch	Weeks Bay National Esturary	johanna.gertsch@dcnr.alabama.gov	

Mobile Bay National Estuary Program
Project Implementation Committee

March 12, 2026, 1:00 pm – 3:00 pm
Killian Room at the International Trade Center
250 N Water St.

Agenda

1. **Welcome and Introductions**
   - PIC Co-Chairs Shannon McGlynn and Will Underwood
   - MBNEP Director – Jason Kudulis
2. **Review and Approval of Minutes –**
3. **Old Business**
   - Approval of the new CCMP
   - State of Alabama's Estuaries and Coasts Released
4. **New Business**
   - Overview of ERP CCMP goals and priorities –
     Updating the Habitat Conservation and Restoration Plan
5. **Staff Report/Announcements**
   - MBNEP Project Updates
   - Other committee member announcements
6. **Adjourn**

Mobile Bay National Estuary Program Project Implementation Committee
Thursday March 12, 2026, 1:00 p.m. –3:00 p.m.
Killian Room at the International Trade Center
250 N. Water St.

Minutes

Attendees:

Mark Berte, Alabama Coastal Foundation
Don Blancher, Moffat & Nichol
Kayla Boyd, Mobile Bay Keeper
Mary Kate Brown, The Nature Conservancy
Cade Burgin, Thompson Engineering
Karina Calhoun, Mobile County
Ashley Campbell, Baldwin County, Planning & Zoning
Emily Carter, Alabama Department of Conservation & Natural Resources
Mary Collier Eastburn, City of Mobile
Annelise Dodd, Volkert, Inc.
Walter Ernest, Pelican Coast Conservancy
Caleb Harper, City of Spanish Fort
Cade Kistler, Mobile Baykeeper
Jeremiah Kolb, Alabama Department of Conservation & Natural Resources
Brian Mabry, City of Mobile
Shannon McGlynn, Alabama Department of Environmental Management
Catherine McNeill, Alabama Department of Environmental Management
Eliska Morgan, Thompson Engineering
Autumn Nitz, Alabama Department of Environmental Management
Ryan Peek, Alabama Forestry Commission
Melissa Pringle, Allen Engineering & Science
Andrew Reier, Alabama Forestry Commission
Eric Schneider, Environmental Science Associates
Lance Slater, City of Mobile
Sam St. John, Logical Computer Solutions/FRACA
Will Underwood, Alabama Department of Conservation & Natural Resources
Jesi Ward, City of Daphne
Bret Webb, Goodwyn, Mills, Cawood
Nick Williams, City of Foley

MBNEP Staff:
Jason Kudulis, Christian Miller, Cody Aloi, Blair Morrison, Adrienne Swendson

Takeaways

- The development of MBNEP's Comprehensive Conservation and Management (CCMP) Plan is ongoing. The CCMP is awaiting signature from the E.P.A.

DRAFT

- The science advisory committee would like the committee to input on a management plan they are creating.
- Committee discussed updating the Habitat Conservation & Restoration Plan as opposed to doing a new one.

Welcome and Introductions: The meeting was called to order at 1:01 pm. Cody Aloi opened the meeting introduced himself as taking over for Jason Kudulis as the PIC Liaison. Shannon McGlynn introduced Jason Kdullis as the new Director for the Mobile Bay National Estuary Program.

Review and Approval of Minutes: Lance Slater made a motion to approve and that motion was seconded by ?

Vote on co-chairs
Shannon McGlynn & Will Underwood will remain the co-chairs by unanimous vote. The motion was brought forward by Mark Berte and was seconded by ?

Old Business

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MBNEP Comprehensive Conservation Management Plan (CCMP) Update

- MBNEP staff provided an update on CCMP development activities. This multi-year process will set program priorities for the next decade. CCMP is awaiting final approval from the Environmental Protection Agency.

New Business

PIC Member Project Updates

- Will Underwood, Alabama Department of Conservation of Natural Resources
  - Submit proposals regarding implementation and planning by March 27, 2026. They have allocated $50,000 and require a 1:1 Match.

- Andrew Reier, Alabama Forestry Commissioner
  - Announcing that they will be committing $500,000, maybe more than the NFWF dollars regarding the Water Quality Bucket, he would really like to see green infrastructure as well as a forestry component this will be for Mobile & Baldwin Counties, and they expect applications to open June 1, 2026. The announcement for this will officially go live in April.
    - Lance Slater asked about the green infrastructure portion regarding Medians & Meadows. Mr. Reier said he would really like to see a forestry component but that he may have money 'in-house' for those projects.

- Lance Slater, City of Mobile
  - The City of Mobile is working on a multitude of projects. Right now, he is focused on one regarding the implementation of the beneficial use materials. Looking into green infrastructure for implementation & programming of Medows and Medians as well the maintenance of those projects if they are completed.

- Don Blancher, Moffat & Nichol
  - Gave a couple of updates; Salt Aire is a go & the bids for Cedar Point near Dauphin Island have opened.

- Mary Kate Brown, The Nature Conservancy
    - Lower Perdido Islands are completed just in time for boating season. They are launching a new campaign aimed at doing outreach and education for the public. Lance Salter wonders about how they will effectively enforce this and what Orange Beach will do about that. Their hope is that they will have more enforcement and cooperation from Orange Beach but, the goal is to first try to get the word out and educate the public.

- Ashley Campbell, Baldwin County

Thank you MBNEP with their help our Nutrient Reduction Tool is live. We have completed, implemented and posted training for any of our new tools, as well as a link to the form to fill out is on the Baldwin County Magnolia River is almost complete, they are currently in partnership with Volkert looking for additional funding for the project. The current funding gets them to 60 % complete. Campground on County Rd. 1 will be built next month. Low Impact Development Restoration at a popular Lillian Park funded by MBNEP, GOMESA, and ADEM and should start in the Fall.

- Will says that there are 140 county owned acres and 900 other acres – new eastern shore trail?

- Walter Ernest, Pelican Coast Conservancy

Announcing that Bird Sanctuary on Dauphin Island has now acquired 94 lots total with NFWF help. There are new places for birds and if you have not gone to check it out you should

- Will Underwood, Alabama Department of Conservation & Natural Resources, State Lands Division, Coastal Section

GOMESA funds helped with the implementation of updating and re-doing that parking lot. Fish rivers pedestrian bridge is now accessible from both sides and has a new ramp. Easter Shore Trail?

- Brett Webb, Goodwyn, Mills, Cawood

Brought attention to the fact that Congressman (NY&NJ) have introduced 'The Coastal Trust Fund Act' hoping to get it passed through the House. This could hurt GOMESA funding & would not just be for the Coastal States if this goes through it would be everywhere. We have something in the works via the Senate and have been working on that for 3 years. 'The Rise Act.'

- Blair Morrison, Science Advisory Committee

The Science Advisory Committee is working on updating the 2015 Sub watershed Plan after 11 years and are requesting the PIC's input as well as assistance in how they can structure the plan to accurately reflect what they recommend. They are also creating a management/work plan for the SAC. Announced that the Steering Committee is actively recruiting for that and other committees for Bays & Bayous – Get with her if interested.

- Mark Berte, Alabama Coastal Foundation

Announcing that they have their annual bicycle ride approaching on 5.9.26 at the Gulf State Park, get with him about clean-ups, job postings, whatever you have got they will be happy to share and promote on their website.

Staff Report/Announcements

- MBNEP staff reported updates on projects.

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Lance Slater made a motion to adjourn, and Don Blancher seconded that motion.

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The Waters We Share

PLEASE JOIN US IN CELEBRATION OF THE
MOBILE BAY NATIONAL ESTUARY PROGRAM
MANAGEMENT CONFERENCE

WEDNESDAY, DECEMBER 3, 2025

8:00 BREAKFAST, 8:30 PROGRAM

ARTHUR R. OUTLAW MOBILE CONVENTION CENTER

Please RSVP by November 19, 2025 to
aswendson@mobilebaynep.com / 251-380-7941

Invitation non transferrable.

Mobile Bay National Estuary Program
Project Implementation Committee

August 19, 2025, 1:00 pm – 3:00 pm
Killian Room at the International Trade Center
250 N Water St.

Agenda

1. **Welcome and Introductions**
2. **Review and Approval of Minutes**
3. **Old Business**
   a) Management Conference Committee Status Updates
   b) CCMP – The Waters We Share – Update
4. **New Business**
   a) Committee Member Project Updates
      a. City of Orange Beach – Wind and Water Learning Center LID Project
      b. Alabama Coastal Foundation – Oyster Recycling Program
      c. Mobile Baykeeper – Coastal Alabama Intertidal Oyster Planting Project
      d. Mobile County – DI Causeway, Bayou La Batre City Docks, and WWTP Outfall
5. **Staff Report/Announcements**
   a) MBNEP Project Updates
   b) Announcements
6. **Adjourn** – MRF

Mobile Bay National Estuary Program
Project Implementation Committee

August 19, 2025, 1:00 pm – 3:00 pm
Killian Room at the International Trade Center
250 N Water St.

Agenda

1. **Welcome and Introductions**
2. **Review and Approval of Minutes**
3. **Old Business**
   a) Management Conference Committee Status Updates
   b) CCMP – The Waters We Share – Update
4. **New Business**
   a) Committee Member Project Updates
      a. City of Orange Beach – Wind and Water Learning Center LID Project
      b. Alabama Coastal Foundation – Oyster Recycling Program
      c. Mobile Baykeeper – Coastal Alabama Intertidal Oyster Planting Project
      d. Mobile County – DI Causeway, Bayou La Batre City Docks, and WWTP Outfall
5. **Staff Report/Announcements**
   a) MBNEP Project Updates
   b) Announcements
6. **Adjourn**

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Minutes

Attendees:
Ryan Parson, USACE
Will Underwood, Alabama Department of Conservation of Natural Resources
Shannon McGlynn, Alabama Department of Environmental Management
Ryan Peek, Alabama Forestry Commission
Walter Ernest, Pelican Coast Conservancy
Chris Warn, Environmental Science Associates
Haley Jackson, Alabama Coastal Foundation
Nicole Love, City of Fairhope
Ashley Campbell, Baldwin County
Josh Eisenhauer, Allen Engineering & Science
Caleb Harper, City of Spanish Fort
Karina Calhoun, Mobile County
Jay Estes, Allen Engineering and Science
Katie Smith, ADEM
Tyler Ledet, RES
Kayla Boyd, Mobile Baykeeper
Walt Ogburn
David Newell, USACE
Suzanne Sweetser, Thompson
Don Mroczko, USACE
Jesi Ward, City of Daphne
Cade Kistler, Mobile Baykeeper
Cortney Weatherby, Alabama Audubon
Jake Lambert, USACE
Valerie Morrow, USACE
Herb Bullock, USACE
Jackie McGonigal, City of Orange Beach

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MBNEP Staff:
Jason Kudulis, Christian Miller, Regan Smart

Total: 30.

Takeaways

- The development of MBNEP's Comprehensive Conservation and Management (CCMP) Plan is ongoing. A draft document will be out for a 60-day comment period this fall.
- Every year, national estuary programs are required to submit habitat restoration and acquisition projects as part of the Government Performance and Results Action using a National Estuary Program Online Reporting Tool. Please submit habitat restoration and acquisition projects to MBNEP staff.
- Committee members provided project updates for restoration and planning efforts underway across coastal areas.

Welcome and Introductions: The meeting was called to order at 1:01 pm. Will Underwood opened the meeting by welcoming attendees. Attendees made introductions.

Review and Approval of Minutes: Jesi Ward motioned to approve minutes from the May 22nd meeting. Ashley Campbell seconded the motion.

Old Business

Committee Updates: MBNEP staff provided an update on other Management Committee activities. All the committees have been undertaking CCMP exercises in 2025. A status update of the CCMP development process was also provided.

MBNEP Comprehensive Conservation Management Plan (CCMP) Update

- MBNEP staff provided an update on CCMP development activities. This multi-year process will set program priorities for the next decade. Final strategy development and writing are underway. A 60-day public comment period will be held prior to finalizing the plan.

New Business

PIC Member Project Updates

- Jackie McGonigal with The City of Orange Beach provided updates for Low Impact Development facility upgrades at the Wind and Water Learning Center.

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The City of Orange Beach Wind and Water Learning Center is committed to enhancing life for locals and guests by providing coastal access, waterfront facilities, watersports equipment, and educational opportunities through environmental science field trips, learn-to-sail programs, and kayaking excursions. Funded by an ADEM 319 nonpoint source grant and City of Orange Beach, this project will prioritize Low Impact Development techniques on campus to protect Wolf Bay water quality and foster opportunities to discuss sustainability, watershed stewardship, and good neighbor policies in this growing coastal community.

Project elements include parking lot enhancements using permeable pavers, removal of invasive species, and bioretion with native plantings. These upgrades will also benefit the adjacent public library and provide a connecting foot path to the Coastal Arts Center. Ground broke in July 2025 and is expected to be completed by October 2025.

- Hayley Jackson with the Alabama Coastal Foundation provided an overview and update for the Alabama Oyster Recycling Program.

Starting in 2016 as a pilot on the Causeway, the recycling program has been diligently adding restaurants ever since. Funded by a National Fish and Wildlife Foundation grant, and supported by other sources, to date the program has collected more than 27M shells. Participating restaurants can be found here. Shells are cleaned and stored upland before being placed back in the water - 119 acres of reef has been supplemented with recycled shells. This program also offers education and outreach opportunities.

- Dr. Kayla Boyd with Mobile Baykeeper shared information on a plan to plant oysters grown by community gardeners.

This project is intended to not be redundant of previous or current work and will follow the Coastal Alabama Comprehensive Oyster Restoration Strategy. Her focus is to establish and maintain intertidal oyster larval source reefs. Locations will focus in south Mobile and Baldwin counties including Bayou La Batre, West Fowl River and Heron bays, and Fort Morgan and Bon Secour Bay. Current project progress includes gathering feedback on the proposed plan and currently identifying upland property owners to undertake pilot studies. If all goes well the project will be complete by 2030 with goals of 80% of reefs meeting satisfactory criteria, 50% survival rates, and increases in recruitment and retention on nearby cultch by 30%.

- Karina Calhoun with Mobile County provided an update on several south Mobile County activities.

Placement of beneficial use dredged material continues at the DI Causeway. This effort will restore up to 112 acres of emergent habitat and protect 3.3 miles of shoreline along the only roadway to and from Dauphin Island. The US Army Corps of Engineers' contractor is placing nearly 1M cubic yards at a cost of only one dollar per yard for the County. It was recently announced that a long-awaited construction contract to undertake a major overhaul at the Bayou La Batre City Docks was executed. This transformative upgrade along with the completion of a wastewater treatment plant outfall extension, collection system and lift station upgrades, septic to sewer conversion, and water distribution upgrades have all been funded and are in some stage of implementation. These RESTORE Bucket 1, 2, and 3 investments within the City of Bayou La Batre total $75M.

Staff Report/Announcements

- MBNEP staff reported updates on projects in Lower Fish River (Schoolhouse Branch and Magnolia Bluffs projects construction is still underway; 80-85% complete), Fowl River (Fowl River Spits interim monitoring and wake study underway), D'Olive (Pine Run adaptive management work is complete; Montclair Place construction on an unnamed tributary to Tiawasee Creek is ongoing), Western Shore (The Deer River project is still settling following material placement by the US Army Corps of Engineers, Shoreline Management Plan is almost ready for public comment (MBNEP is working with landowners to initiate early implementation using IIJA program funds), Three Mile Creek (MBNEP is working the University of South Alabama to implement green infrastructure on campus to reduce stormwater impacts). Watershed Management Plan development status - Eight Mile Creek, Western Delta, Grand Bay are all still in development but more close to completion than not. If anyone has additional project questions, contact Jason Kudulis.

Following no other committee or member announcements, the meeting was adjourned at 1:52pm.

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Save the Date

For a gathering of the Mobile Bay National Estuary Program's Management Conference to chart the course for a resilient, thriving Alabama coast: the 2025 - 2035 Comprehensive Conservation and Management Plan Action Planning Summit.

Tuesday, June 24, 2025

11:30 am- 5:00 pm

The Renaissance Mobile Riverview Plaza Hotel

64 S Water Street, Mobile, AL 36602

Participants must register here for this free event **no later than Tuesday June 17, 2025.**

Questions? Contact Mary Mullins Redditt at mmullins@mpactpublicaffairs.com or 251-802-3341.

Mobile Bay National Estuary Program

A Division of The Dauphin Island Sea Lab

Mobile Bay National Estuary Program
Government Networks Committee
May 30, 8:00 am – 9:30 am

Virtual Meeting
https://disl.zoom.us/j/81344585431?pwd=cfKrptyaNA9rVRpakK9mDyfZYWY8v5.1

Agenda

Meeting Objectives:

a) Review of planning tools available for proactive stormwater management
b) Review process to update the Comprehensive Conservation and Management Plan (CCMP) and provide input on GNC Action Plan

1. **Welcome and Introductions**
   GNC Co-Chairs:
   Commissioner James Ball, Baldwin County
   Commissioner Merceria Ludgood, Mobile County

2. **Review and Approval of Minutes**

3. **Old Business**
   a) State Update
   b) MBNEP update

4. **New Business**
   a) Tools for Proactive Stormwater Management in Baldwin County
   b) CCMP Strategy Development – setting priorities for a GNC Action Plan

5. **Adjourn**

Minutes

In attendance: Barry Broadhead, City of Chickasaw; Veronica Hudson, City of Saraland; Amy Hunter, ADCNR-RESTORE; Chris Blankenship, ADCNR; Merceria Ludgood; Mobile County Commission; Patti McCurdy, ADCNR-State Lands; Mike McMillian, Spanish Fort; Nicole Love, City of Fairhope; Ashley Campbell, Baldwin County; Henry Barnes, City of Bayou LaBatre; Mike Sharp, NFWF; Heather Griffin, ADEM; Matthew Jones, Mobile County; Ray Richardson, City of Mobile; Alex Skorobogatov, Mobile County; Ben Reynolds, City of Mobile; Christina LeJeune, City of Fairhope; Jeff Collier, Town of Dauphin Island; Jessica James, City of Chickasaw; Lance Slater, City of Mobile; Leslie Gahagan, City of Foley; Sarah Wraight, SARPC; Scott Bannon, MRD; Woody Speed, City of Orange Beach; Chastity Piper, SARPC; Mary Mullins Redditt, Impact Consulting; Patty Ethridge, Senator Tommy Tubberville's office; Philip West, City of Orange Beach; Robert Craft, City of Gulf Shores;

Staff: Roberta Swann, Jason Kudulis; Regan Smart; Cody Aloi; Shemika Brown, Christian Miller

Take Aways

- The State is currently receiving project ideas for GOMESA funding and will be hosting a Deepwater Horizon Summit on October 16th
- MBNEP has partnered with Baldwin County to expand its stream monitoring and utilization of an online watershed-based modeling tool to help inform decision-making related to stormwater management and disaster response. This has proven to be an effective and valuable tool and could be replicated in Mobile County.
- MBNEP continues to work towards the development of the new Comprehensive Conservation and Management Plan. Committee Action Plans will be developed at an upcoming workshop.

The meeting was called to order at 8:05 AM and commenced with introductions. A motion to approve the minutes from the previous meeting was made by Mike McMillan and seconded by Barry Broadhead.

State Update

- ADCNR is currently taking project suggestions through June 10th for the current funding cycle and is anticipating approximately $38 million to be available.
- The State will be hosting a Deepwater Horizon Summit on October 16th which will facilitate comments of the RESTORE Council's priority list
- Multiple projects are currently underway with funding received from NFWF and RESTORE

MBNEP Update

- Magnolia River and Schoolhouse Branch projects in the Weeks Bay Watershed are nearing completion
- Pine Run in the D'Olive Watershed will be undergoing an adaptive management action to repair damage due to recent flooding in the April 6th storm.
- Engineering for Deer River's phase two will commence soon.
- Working on an infrastructure project in Gulf Village with the goal of using nature-based solutions to mitigate flooding.
- The Mobile County Shoreline Management Plan is in progress, focused on working with shoreline property owners and long-term shoreline management.

Tools for Proactive Stormwater Management in Baldwin County

- Ashley Campbell highlighted the collaboration with the NEP and the Baldwin County Commission to improve stormwater management in response to growth in Baldwin County.
- New regulations mandate that higher density developments utilize Low Impact Development (LID) techniques and meet specific runoff and nutrient reduction standards.
- A new LID review tool is being developed to assist the development community in meeting these requirements.
- AGWA is a GIS based tool that utilizes hydrologic models and rain and stream flow data to help resource managers and emergency responders understand stormwater impacts and plan for development and disaster response.

- Ashley Campbell highlighted the efficiency gained from using calibrated watershed models, which were developed quickly with the help of field data from rain and stream gauges.
- Integration of these models into AGWA will facilitate internal data analysis and improve decision-making for county engineers and managers regarding flood events.
- Hydrologic models have been developed for multiple watersheds in Mobile and Baldwin counties, funded by NFWF GEBF and Baldwin County.
- Watershed models have been developed for the following watersheds in Mobile County: Bayou La Batre, West Fowl River, Fowl River, Dog River, and portions of Three Mile Creek, Lower Chasaw Creek, Bayou Sara, Gunnison Creek, and Cold Creek.
- There is some infrastructure available in terms of stream gages and already completed models would need to be recalibrated and updated for other watersheds for low, medium, and high event scenarios.
- The discussion included the potential for a partnership between MBNEP and Mobile County similar to how MBNEP had partnered with Baldwin County to expand the AGWA monitoring effort.
- MBNEP is currently working with Mobile County to install four new stream gages at strategic locations in the County and could also work with the County to test the AGWA platform there.
- Baldwin County has been able to utilize AGWA to assess stormwater impacts from development and identify opportunities for regional stormwater detention ponds.
- This proactive approach was aimed at addressing public concerns about new developments, ensuring that they do not exacerbate existing stormwater/flooding issues.
- The efforts to improve watershed management through efforts like this have proven to be beneficial for Baldwin County. Partnerships including the MBNEP and John Curry have helped increase the capacity of the County to effectively manage stormwater-related issues.

CCMP Update

- Reviewed the goals of the Comprehensive Conservation and Management Plan (CCMP), which include achieving fishable and swimmable waters and promoting environmental stewardship.
- The October workshop generated over 1,000 unique ideas that are currently being synthesized for development of committee action plans.
- The program is currently refining action plans based on community input gathered over the past year.
- Priority issues for the GNC include Improved regulations, stormwater infrastructure, workshops for county and municipal staff, smart growth and resilience planning, and improved tracking/coordination.
- A workshop will be held on June 24th to develop Action Plans for the CCMP which will be released in September for comment.

Meeting adjourned at 9:15 AM

Mobile Bay National Estuary Program
Project Implementation Committee
May 22, 2025, 1:00 pm – 3:00 pm

Agenda

Meeting Objectives:

a) Continue Comprehensive Conservation and Management Plan (CCMP) Action Planning

b) Share Project Updates

2. **Welcome and Introductions**

3. **Review and Approval of Minutes**

4. **Old Business**

   a) Management Conference Committee Status Updates

   b) CCMP Action Planning Review and Next Steps

5. **New Business**

   a) Committee Member Project Updates
      a. The Nature Conservancy
      b. 5020 Engineering
      c. Town of Dauphin Island
      d. City of Fairhope
      e. Mobile County

6. **Staff Report/Announcements**

   a) MBNEP Project Updates

   b) Announcements

7. **Adjourn**

Minutes

Attendees:
Wade Burcham, 5020 Engineering
Eliska Morgan, Thompson Engineering
Ryan Parson, USACE
Marty Lind, University of South Alabama
Mary Mullins Reddit MPACT Public Affairs
Brian Underwood, Baldwin County Commission
Christine Cooley, NRCS Mobile County
Autumn Nitz, Alabama Department of Environmental Management
Will Underwood, Alabama Department of Conservation of Natural Resources
Shannon McGlynn, Alabama Department of Environmental Management
Jeremiah Kolb, Alabama Department of Conservation and Natural Resources
Ray Richardson, City of Mobile
Andy Reier, Alabama Forestry Commission
Katie Baltzer, The Nature Conservancy
Meg Goecker, Moffatt and Nichol
Annelise Dodd, Volkert
Reuben Duncan, Volkert
Don Bates, Osprey Initiative
Lucas Jones, Alabama Forestry Commission
Mike Sharp, National Fish and Wildlife Foundation
Walter Ernest, Pelican Coast Conservancy
Chris Warn, Environmental Science Associates
Patric Harper, U.S.F.W
Haley Jackson, Alabama Coastal Foundation
Rob Howell, Anchor QEA
Nicole Love, City of Fairhope
Ashley Campbell, Baldwin County
Kelley Barfoot, Stantec
Josh Eisenhauer, Allen Engineering & Science
Caleb Harper, City of Spanish Fort
Matthew Jones, Mobile County
Karina Calhoun, Mobile County
Jay Estes, Allen Engineering and Science
Brandon Bias, Goodwyn Mills Cawood
Tim Thibaut, Thompson Engineering
Johanna Gertsch, Weeks Bay Reserve

MBNEP Staff:
Jason Kudulis, Christian Miller, Blair Morrison, Roberta Swann

Total: 40.

Takeaways

- The development of MBNEP's Comprehensive Conservation and Management (CCMP) Plan is ongoing. At our last meeting we reviewed ideas that aligned with the Project Implementation Committee (PIC). The refinement of this data will be used to develop committee Action Plans for

the new CCMP. Another CCMP Summit is scheduled for June 24, 2025, to finalize committee input prior to document drafting and a public comment period.

- Committee members provided project updates for restoration and planning efforts underway across coastal areas.

Welcome and Introductions: The meeting was called to order at 1:02 pm. Shannon McGlynn opened the meeting by welcoming attendees. Attendees made introductions.

Review and Approval of Minutes: Eliska Morgan motioned to approve minutes from the February 18th meeting. Shannon McGlynn seconded the motion.

Old Business

Committee Updates: MBNEP staff provided an update on other Management Committee activities. All the committees have been undertaking the same CCMP exercise as the PIC. A status update of the CCMP development process was also provided.

MBNEP Comprehensive Conservation Management Plan (CCMP) Update

- MBNEP staff provided an update on CCMP development activities. This multi-year process will set program priorities for the next decade. Following another CCMP Summit scheduled for June 2025, document creation, a comment period, and approvals will follow with an anticipated Fall 2025 final document release.

New Business

PIC Member Project Updates

- Katie Baltzer with The Nature Conservancy provided updates for Perdido Islands and Mississippi Sound projects.

The NOAA funded Perdido Watershed Initiative is a multi-year planning, design, and implementation effort. They are developing nature-based solutions for shorelines along Lillian Swamp, Bronson Field, a waterfront park in Orange Beach, and restoration of degraded islands in Perdido Bay (Robinson and Walker). Construction at Walker and Robinson Islands is ongoing. When complete 30 acres will be restored. They are also transplanting seagrass to satisfy mitigation requirements.

In Mississippi Sound they are building on past efforts at Coffee Island – a partial design is complete and pursuit of funding to finalize the design and move onto construction is ongoing. Other activities include construction of an LID demonstration project in Bayou La Batre and procuring a firm for engineering and design services at Coden Bayou. A Lightning Point like project is envisioned at Bayou Coden.

- Meg Goecker with Moffatt and Nichol provided updates about the many happenings ongoing on Dauphin Island.

An impressive 16 projects on and around Dauphin Island are either complete or in some phase of development. Multiple funders and numerous project partners are responsible for land conservation (a total of 80 parcels preserved Dauphin Island Bird Sanctuaries/South Alabama Land Trust); stormwater master planning (Town of Dauphin Island/Goodwyn Mills Cawood) including a Congressman Carl grant for strategic acquisition of parcels for stormwater management/wetland conservation; Little Dauphin Island Pass Drury opening (US Army Corps); Little Billy Goat Hole boat launch and East End Beach parking improvements (Moffat and Nichol/Town of Dauphin Island/ADCNR); the East End Beach and dune restoration project is finished, vegetation looks good, and monitoring is underway (Goodwyn Mills

Cawood/Moffat & Nichol); Dauphin Island Water and Sewer Authority improvements to the Aloe Bay Treatment Facility are ongoing; dedication will soon take place for the Chris Blankenship Eco-Tourism Park and kayak launch on Aloe Bay with free parking (M&N/GMC); the Aloe Bay Town Center will have components out for bid soon (GMC), this retail and city dock multi-use space is central to future economic development on the island; the Ladnier Landing Boat Ramp on Desoto is open and getting a lot of use with Billy Goat Hole down for the summer; the Graveline Bay Marsh Creation project is in its third year of post-construction monitoring and performing as designed(M&N/DISL); a new Mid-Island Park and beach access (GMC) is almost complete. The site will provide access to Gulf fronting parcels along Bienville Blvd acquired by The Nature Conservancy through the National Fish and Wildlife Foundation. There will be parking and a walk over pier to access the dune and beach area; West End Beach Restoration is at 60% design with expected RESTORE funding coming forward for construction in 2026(GMC/M&N). This will be a major renourishment project for west end residents and users; and last the Town is working with the US Army Corps to receive a programmatic permit to streamline future opportunities to use dredge material beneficially on the island.

- Wade Burcham with 5020 Engineering shared an update on efforts to create model ordinances, no adverse impacts, and "good neighbor" policies for commercial and residential developments.

Five things to reduce harm to your neighbor considerations:

1) Treat stormwater as close as possible to where it fall and permit the smaller infrastructure
2) Retain the first one inch of runoff
3) Retain runoff from any 85th percentile storm and remove 80% of solids
4) Protect downstream channel by detaining runoff from a one-year rain event for 24 hours
5) Demonstrate that flows are not increased downstream to a point where the site represents only 10% of the drainage area.

Wade discussed why each principal matters, what their benefit is, and why ordinance language matters.

- Nicole Love with the City of Fairhope provided an update on the Flying Creek Nature Preserve

Following purchase of the 108 acre "Triangle" property by the City in 2013, they have since received a GOMESA award to undertake services to develop a Master Plan. The Plan was approved by the City Council and due to costs, the project is being phased. Construction of Phase I is almost complete and includes recreational and outdoor park amenities. In addition to hiring the City's first Park Ranger, GOMESA funds were received to begin Phase II. A grand opening will be held this summer.

- Karina Calhoun with Mobile County provided an update on Mobile County park and access improvements and shoreline restoration along the Dauphin Island Causeway.

Bayfront Park is back open after major renovations to the beach and park facilities. A Phase III boardwalk is currently out for bid. The DI Causeway restoration project is currently under construction and when complete will restore 112 acres of emergent habitat and protect 3.3 miles of shoreline along the only roadway to and from Dauphin Island. The project will use material from the deepening and widening of the ship channel provided by the US Army Corps of Engineers to create a marsh and tidal creek area. The Cedar Point Pier is getting an overhaul with improved ADA access, improved parking, facility upgrades and shoreline protection. Expected completion date is July 2025. Additionally, across the road from the pier, the County is designing a public boat ramp that has secured GOMESA funding for construction.

Staff Report/Announcements

- MBNEP staff reported updates on projects in Lower Fish River (Schoolhouse Branch and Magnolia Bluffs projects construction is still underway; 80-85% complete), Fowl River (Fowl River Spits

construction nearing completion with only minor items and additional planting remaining), D'Olive (Pine Run project was damaged during the April 6 rain and adaptive management work is required; Montclair Place construction on an unnamed tributary to Tiawasee Creek will begin soon), Western Shore (The Deer River project is still settling following material placement by the US Army Corps of Engineers, Shoreline Management Plan development continues with an end of summer completion date anticipated; MBNEP submitted a pre-proposal to begin early implementation of Plan recommendations), Three Mile Creek (MBNEP is working the University of South Alabama to implement green infrastructure on campus to reduce stormwater impacts), and watershed management plan development status (Eight Mile Creek, Eastern Delta, Western Delta, Grand Bay). If anyone has additional project questions, contact Jason Kudulis.

Following no other committee or member announcements, the meeting was adjourned at 2:45pm.

Weeks Bay Advisory Committee

Weeks Bay National Estuarine Research Reserve

February 23, 2026

MEMORANDUM

TO: Weeks Bay Advisory Committee

FROM: Angela Underwood, Manager

SUBJECT: Advisory Committee Meeting

The Weeks Bay Advisory Committee meets **Wednesday, March 11, 2026,** at **2:00 PM** at the **Weeks Bay Resource Center**. Remember, if you are unable to attend, please make every effort to send a proxy for your seat on the Advisory Committee.

The following is the preliminary Agenda for the WBAC meeting.

AGENDA

WEEKS BAY ADVISORY COMMITTEE

Call to Order

1. Approval of Minutes
2. Old Business
3. New Business: Advisory Committee Field Trip
4. Manager Report:

- Management — Operations and management of Reserve
- Research — Research and monitoring at the Reserve
- Education — Ongoing educational programs at Reserve
- Stewardship — Stewardship and outreach activities
- Watershed/CTP — Update on watershed & CTP activities

5. Other Business
6. Adjourn

Please notify Angela Underwood at (251) 928-9792 or angela.underwood@dcnr.alabama.gov if you would like to add discussion items to the agenda.

Weeks Bay NERR Advisory Committee
March 11, 2026
Staff Updates

Manager Report: Angela Underwood

- Management of ongoing projects:
  - Restoration of East Gateway Tract (BIL funding)
  - Construction/expansion of fire breaks on Ogburn and Damson Tracts (BIL funding)
    - Phase I Cultural Resources Survey
  - Hydrological Studies on Damson and Foley Tracts (IRA funding)
  - Visitor Center Boardwalk Improvements project (PAC funding)
    - Advertised for Bids until March 18
  - Dormitory Upgrades for Storm Resiliency (PAC funding)
  - Renovation Plan for the Visitor Center Complex (PAC funding)
- Working on PAC application for upgrading audio visual technology at the Resource Center
- Attending the CZM/NERRS Program Managers Meeting and NERRA Board Meeting, in D.C., March 2-5

Research Report: Eric Brunden

- Shannon Delessandri, the Reserve Davidson Fellow, is making great progress towards her project.
  - *Using Novel Low-Cost Instrumentation to Monitor Primary Productivity Rates in Weeks Bay with High Spatial and Temporal Resolution*
  - Ran her first deployment for her project in January. This first deployment brought unexpected challenges but revealed a lot of valuable information to make future deployments run smoothly.
- Dakota Sievers is a first-year master's student at Auburn University. Dakota will be collecting core samples from the Pitcher Plant bog to assist in her thesis. Her thesis is looking at the impacts of fire regimes on pitcher plants in Alabama.
- The reserve is working towards installing a Nile Water Level Sensor. This will replace the older tide gauge. Ashley is currently gathering more information about this sensor at the NERRS Technician Training Workshop. We are waiting on a final SOP before making it fully operational, but we have started the planning process to get this sensor up and running as soon as possible.

Education Report: Kathy Hicks

Education Groups: 345 prek-college students, 156 adults

- Lake Forest Garden Club
- Field Trip for Grownups: Birding Walk, 16 adults
- Brietling Elementary School (Grand Bay, AL), 2nd Grade, 90 students
- GS/OB Winter Showcase Series, 104 adults
- GS Learning Center Homeschool Day presentation, 13 students
- iNaturalist Workshop, 2 adult attendees
- Robertsdale HS AP Environmental Science field trip – 27 students
- West Florida Fire & Nature Festival
- Foley Elementary field trip (3rd grade, 3 days), 154 students
- Ezell Class Boat Tour, 7 students

- Ezell class mudcat trips
- Monroe Co Gifted – 25 students, 13 adults
- SE Environmental Education Alliance / EEAA Fieldtrips

Meetings, workshops, etc.

- Ft. Morgan Bird Count - Audubon
- Gulf Shores Bird Count - Audubon
- Robertsdale High School Ocean Guardian School banner ceremony
- Orange Beach Elem Ocean Guardian School banner ceremony
- NERR Onboarding Training, Session 1, for KH
- NERR Onboarding Training, Session 2, for KH
- World Migratory Bird Day 2026: Community Science Webinar
- GOAA EE Team MidYear Meeting/SAME
- Gulf Coast Mariculture Center Tour
- Gulf Coast Phenology Trail Training
- Skywarn Spotter Program: The Vital Role of Citizen Scientists in Severe Weather
- Tropicalization Web Series #1

Upcoming scheduled events:

- Mar 23 – Veritas Lutheran School
- Mar 25 – ASB field trip
- Mar 28 – ASB (different group) field trip
- Mar 31 – UWF Leisure Learning field trip
- Apr 1-2 – Monroe Co HS Field Trip
- Apr 1 – CTK field trip (5th Grade)
- Apr 7 – Foundations Christian Academy field trip
- Apr 9 – Robertsdale HS field trip
- Apr 10 – Field Trip for Grownups: Pitcher Plant Bog
- Apr 11 – DI Discovery Day road show
- Apr 14-15 – DISL WB Ecosystems Tour
- Apr 16 – Bayshore Christian field trip
- Apr 21-23 – Nature Connect field trip
- Apr 25 – Delta Woods & Waters road show
- Apr 26 – AL Coastal BirdFest – nature photography workshop
- Apr 30 – Fairhope IB field trip
- May 1 – Mathis Elementary field trip
- May 13 – Advisory Committee Tour
- May 17 – Lyla's Memorial Field Day at Graham Creek
- May 22 – Foley Senior Center Tour
- Jun 11-12 – Gannon class field trip
- Jun 26 – Dufour Summer Camp field trip

Stewardship Report: Eric Brunden

- Completed Coast Guard hull inspection
- Boat trips for students and adults
- Weeks Bay/State Lands staff cleared right of way and cut firebreaks in Holmes Tract with the objective of a fuel reducing prescribed fire fall/winter 2026
- Weeks Bay/State Lands staff cleared heavy overgrowth from Lloyd Tract
    - Improve site access for further restoration activities
    - Uncover obscured patches of invasive cogon grass for future control efforts
    - Rearrange fuel load to ensure adequate ground level fuel to carry prescribed fire throughout targeted restoration area
    - Impair woody plant encroachment
    - Stimulate herbaceous groundcover growth
- Weeks Bay staff cleaned up existing Damson Tract fire breaks with the objective of prescribed fire this year
- Weeks Bay staff cleared overgrown midstory on Safe Harbor and Foley Tracts
- Assisting with management of restoration projects (East Gateway, Damson/Ogburn)
    - Requested opinion USFWS work with Alabama Historic Preservation Commission (AHC) regarding need for Phase II Cultural Resources Survey for East Gateway Tract
    - Awaiting Phase I Cultural Resources Survey for Damson/Ogburn

CTP/Watershed Report: Johanna Gertsch

- CTP Sector Meeting – NC NERR
- TNC Wildland Firefighter Work Capacity Test (Pack Test) for GulfCorps
- TNC Wildland Firefighter Work Capacity Test (Pack Test) for TNC staff
- AWW Sampling with GulfCorps
- Well Water Workshop
- Gulf Coast Phenology Trail Training
- AWW Sampling with GulfCorps
- AWW training with Robertsdale High School AP Environmental Science class
- NERRS/CZM Program Managers Meeting and NERRA Board Meeting
- Pontoon Tour and Water Quality Sampling with MSU class
- Assisting Stewardship with restoration projects on Safe Harbor, Foley, Lloyd, and Holmes Tracts.
- Explorer Coast Guard Inspection

Upcoming Workshops

- Wetland Identification & Delineation
- (2) Wetland Regulations and Compliance Workshops

Weeks Bay Advisory Committee

Weeks Bay National Estuarine Research Reserve

December 4, 2025

MEMORANDUM

TO: Weeks Bay Advisory Committee

FROM: Angela Underwood, Manager

SUBJECT: Advisory Committee Meeting

The Weeks Bay Advisory Committee meets **Wednesday, December 10, 2025,** at **2:00 PM** at the **Weeks Bay Resource Center**. Prior to the meeting, we will hold a **Holiday Social** at **1:30 pm**. Please join us for a little holiday cheer and merriment. Remember, if you are unable to attend, please make every effort to send a proxy for your seat on the Advisory Committee.

The following is the preliminary Agenda for the WBAC meeting.

AGENDA

WEEKS BAY ADVISORY COMMITTEE

Call to Order

1. Approval of Minutes
2. Old Business
3. New Business: SWMP Presentation-Ashley Griffin
4. Manager Report:

- Management — Operations and management of Reserve
- Research — Research and monitoring at the Reserve
- Education — Ongoing educational programs at Reserve
- Stewardship — Stewardship and outreach activities
- Watershed/CTP — Update on watershed & CTP activities

5. Other Business
6. Adjourn

Please notify Angela Underwood at (251) 928-9792 or angela.underwood@dcnr.alabama.gov if you would like to add discussion items to the agenda.

The primary purpose of the COMMITTEE shall be to provide a mechanism to facilitate operations and management of the Weeks Bay NERR through advice and other interactions with the Alabama Department of Conservation and Natural Resources (ADCNR) and the Weeks Bay NERR. The COMMITTEE does not represent the opinions and policies of the ADCNR.

MINUTES

Weeks Bay National Estuarine Research Reserve
Advisory Committee Meeting
December 10, 2025

Call to order:
The scheduled quarterly meeting of the Weeks Bay Advisory Committee was called to order by Ashley Campbell on December 10, 2025, at 2:05 PM.

Board Members in Attendance:
Ashley Campbell – Baldwin County Planning & Zoning, Chairwoman
Patti McCurdy – Alabama Dept. of Conservation, Director of State Lands Div.
Autumn Nitz– Alabama Dept. of Environmental Management
Nicole Beckham – Proxy for Kevin Anson – Alabama Dept. of Conservation, Marine Resources Div.
John Valentine – Dauphin Island Sea Lab, Executive Director
Randy Roach – Citizen Representative, US Fish & Wildlife Service – Retired
Will Underwood – nonvoting, Alabama Dept. of Conservation, Coastal Section Administrator for State Lands Div.
Jane Herndon – nonvoting, South Alabama Land Trust, Executive Director
Jennifer Fidler – Alabama House Seat 94
Matt Williford – Coastal Alabama Community College

Members Not Present:
Chris Elliot – Alabama Senate Seat 32
PJ Waters – Auburn Univ. Marine Extension and Research Center
Debbie Quinn – Citizen Representative
Stephanie Wainwright– Science Supervisor, Baldwin County Schools
Sommer Calderon – Resource Teacher at Environmental Study Center

Staff in Attendance:
Eric Brunden – Stewardship Coordinator– WBR
Angela Underwood – Manager – WBR
Ashley Griffin – Research and Monitoring Tech – WBR
Sarah Johnston – GIS Specialist – WBR
Cassidy Ellis – Intern - WBR

Others in Attendance:
Mark Wetzel – Alabama Dept. of Conservation, Coastal Section
Doug Deaton –Alabama Dept. of Conservation, Assistant Director of State Lands Div.
Matt Chasse – NOAA, Coastal Management Specialist and Federal Program Officer
James Howard – Natural Resources Planner, Baldwin County

Approval of Minutes
Ashley Campbell called the meeting to order. Introductions. Ashley Campbell asked for motion to approve minutes for the September 10, 2025, meeting. Motion for approval was called for by Patti McCurdy and seconded by Nicole Beckham. No objection. Motion to accept minutes passed.

Old Business:

Ashley Griffin gave a presentation on the Reserve's System Wide Monitoring Program (SWMP) in response to the committee's questions last meeting regarding data collection and access (handout attached).

Discussion

Ashley Campbell suggested it might be beneficial to integrate SWMP data into the EPA's How's My Watershed tool. She offered to present on the tool for a future meeting.

Jennifer Fidler asked about the SWMP platforms and whether they had reflective tape or lights to aid navigation. Patti McCurdy answered that signs, tape and lights have been installed.

Randy Roach asked if the projects highlighted in the presentation were taking place at all the reserves. The Reserves have other researchers with their own projects. The ones highlighted in the presentation are working at Weeks Bay NERR. All 30 Reserves get money to host their own MAD (Margaret A. Davidison) fellow for two years every round. NERRS Wetlands and Water Levels is becoming a requirement, and most of the Reserves have that infrastructure in place. Science Collaborative is open to all Reserves and is a highly competitive pot of money. All the Reserves have had a Science Collaborative project in the past. The Reserves are site based and are meant to attract professors, graduate students and agency personnel, etc., to do research. Each Reserve identifies areas of interest to investigate and may not be the same across the system. All are identified in their individual management plans. Reserves do many of the same things but also have different site-specific projects and regional projects.

Randy Roach asked if there is a time limit or if the projects are ongoing continuously for the MAD fellows. MAD fellows have two years of funding for their projects.

Ashley Campbell asked if there is any opportunity for collaborating on monitoring once the county has purchased some YSI equipment and would like to incorporate the Reserve's weather station data into regional stormwater modeling. Suggested collaboration was met favorably, and discussion will continue once the county purchases equipment sometime in January 2026.

New Business:

Reserve Manager Report:

Reserve Manager Angela Underwood updated the committee on the status of Reserve operations.

- Management of ongoing projects:
    - Restoration of East Gateway Tract (BIL funding)
    - Construction/expansion of fire breaks on Ogburn and Damson Tracts (BIL funding)
    - Hydrological Studies on Damson and Foley Tracts (IRA funding)
    - Visitor Center Boardwalk Improvements project (PAC funding)
    - Dormitory Upgrades for Storm Resiliency (PAC funding)
    - Renovation Plan for the Visitor Center Complex (PAC funding)
- Attended the Fall Managers Meeting in Charleston, S.C. Topics included understanding the Coastal Zone Management Act and alignment of priorities in times of uncertainty, management plan development, and navigating staffing transitions, turnover and morale.

Discussion
No Discussion

Research Report:
Reserve Research and Monitoring Technician Ashley Griffin reported on Research.

- New weather station has been installed and is operational. The new weather tower will be more resilient to strong winds and the sensors are the latest models.
- Shannon, the Reserve Davidson Fellow, is making great progress towards her project. She is working on a way to mount her device to a Reserve monitoring station and then will begin working on a schedule to sample.
    - *Using Novel Low-Cost Instrumentation to Monitor Primary Productivity Rates in Weeks Bay with High Spatial and Temporal Resolution*
- Andrew Balder (Auburn Univ.) collected marsh samples for his ongoing research looking at saltwater intrusion and how that impacts the marsh.
- Water samples collected as part of Maryam Daneshvar's dissertation project (Univ. Alabama).
    - Numerical modeling of seawater–groundwater interactions in coastal aquifers, with an emphasis on seawater intrusion dynamics and contaminant transport processes.
- Ashley attended the Research and Monitoring sector meeting in Port Aransas, TX. Topics included the future of SWMP, Wetlands and Water Level program, data Analysis and syntheses, and the role of a Research Coordinator.

Looking ahead:

- Kendall Breland, a PhD student at DISL/USA, is looking to collect water and sediment samples at the 4 SWMP stations with the goal of creating a time series monitoring silica dynamics within Weeks Bay (Spring 2026).

Discussion
Eric Brunden asked if the Nile sensor was mentioned at the Research and Monitoring Sector meeting. The Nile sensor is a SWMP parameter to track tides. Old Woman Creek NERR is a pilot site to test the sensor. The Reserve is waiting for SOP guidance from the pilot site to be released before installing the sensor. There is an option to mount the sensor and collect tide data before the SOP release, but there would be no way to host and provide real-time access to end users.

Education Report:
Reserve Manager Angela Underwood reported on Education.

Education Groups: 433 prek-college students, 619 adults

- Foley High School Marine Science Classes (4), Robertsdale HS Engineering class, Lindquist Homeschool Co-op, Robertsdale HS Marine Science classes (4), Orange Beach Elementary 3rd Grade classes (4)
- Auburn University Aqueous Geochemistry Class
- GulfCorps, Daphne Community Spirit Day, Mississippi Master Naturalist, South AL Senior Travelers, SALT Nature Expo and Boat Trip, Fieldtrip for teachers attending the AL Association for Gifted Children Annual conference, Nature Journaling Class with Val Webb
- Consulted with Nicole Love at City of Fairhope to advise about birding area of the Flying Creek Nature Preserve

- Attended the Fall Educator's Sector Meeting, Nov 4-6. Topic included Teachers on the Estuary workshops, grant funding for programs, and innovative uses of SWMP data (making music with data).

Upcoming: Kids Christmas Crafts event, Dec 13th

Discussion
Ashley Campbell asked what Aqueous Geochemistry is? It is a graduate level class. The students were varied in what they study under geology, ranging from general paleontology to paleo-fire or paleoclimate. They really wanted to see the Reserve's pitcher plant bog and talked about bog dynamics and chemistry, soil acidity, and the movement of water.

Ashley Campbell offered to post the Reserve's upcoming nature craft event on the County's website. Jane Herndon also offered link Reserve events on SALT's social media and in their monthly eblast newsletter as timing allows.

Ashley Campbell asked if the Reserve does social media. The Reserve does have a social media presence. Reserve interns have been instrumental in social media handling.

Stewardship Report:
Reserve Stewardship Coordinator Eric Brunden reported on Stewardship.

- Hosted the Fall Stewardship Sector Meeting, Oct 21-25
    - Stewardship coordinators from 27 Reserves. Learned about the local ecology of the area and restoration efforts at Weeks Bay.
- Continued working on restoration efforts on Damson, Lloyd, Foley, East Gateway and Holmes Tracts (exotics treatment, hydrology study, delineating access lanes and firebreaks, etc.)
- Zone Captain at Weeks Bay for the Annual Alabama Coastal Cleanup—76 volunteers
- GulfCorps assisting with elimination of standing dead trees along Nature Trail during their chainsaw training class (professionals will fell the trees and teach GulfCorps team members how to buck up the trees).
- Boat trips for students and adults.

Discussion
No discussion

Coastal Training:
Reserve Manager Angela Underwood reported on Coastal Training.

- AWW Training – Magnolia Springs
- GulfCorps Breakout Session – Invasive Plant Species of the Southeast
- GulfCorps Future Opportunities Expo
- Assisted with Coastal Cleanup
- Invasive Exotic Plant Species Identification, Prevention, and Control – Partner: Baldwin County
- Assisted with Magnolia Springs bacteriological sampling blitz and outreach event focused on the Magnolia River watershed
- Wildland Fire Safety Training Annual Refresher (RT-130) – Partner: TNC
- AWW Training – Partners: Baldwin County and City of Foley
- AWW Training – GulfCorps

- CTP Sector Meeting (12.9 – 12.11)

Upcoming Workshops:

- Wetland Identification and Delineation – Partners: Baldwin County and Army Corps of Engineers
- Basic Firefighter Training (S-130) and Introduction to Wildland Fire Behavior (S-190) – intended audience: prescribed burn managers and crew members – Partner: TNC
- Wetland Compliance Workshop – Partner: Alabama Coastal Foundation
- Well Water Workshop – Partners: Auburn Water Resources Center, Baldwin County, Town of Magnolia Springs

Discussion

Ashley Campbell spoke about Johanna Gertsch's efforts to work with the Town of Magnolia Springs, providing AWW training for the Magnolia River Water Watch group as well as a task force. NRCS, Auburn University, Baykeeper, ADEM, are involved with the task force meetings. Magnolia Springs held a sampling blitz outreach event. There were impressive results with pathogens and more sampling is planned, perhaps including source tracking with a k-9 group. There is a lot of environmental activity and interest in Magnolia Springs and Johanna Gertsch was recognized for her help.

Ashley Campbell mentioned a well water workshop on January 26th that CTP is involved in. Well owners can provide a water sample and Auburn University will test it. Jane Herndon asked what they would test and if they would teach people about water quality in their wells. They are testing a wide spectrum. Pathogens are something they are very interested in. For a fee they will test for metals and some organics. Ashley Campbell is giving them a sample of Red Hill Spring water off Hwy 225 north of Stockton. Jane Herndon asked how water samples will be collected. Guidance procedures for collection will be provided soon.

Other business

Jennifer Fidler commented on the boat ramp parking spaces. Boaters feel that parking has been reduced and wonder if more spaces could be found. Patti McCurdy responded that the number of parking spaces has not been reduced but reorganized around the boat ramp. She continued that access is always a priority and willing sellers with the right conditions to increase access are always sought.

Jennifer Fidler is glad that the Reserve is working with the Town of Magnolia Springs.

Jennifer Fidler would like to address navigational aids up Magnolia River and would like to figure out who oversees what in that regard. She mentioned that it falls under ALEA and Marine Patrol Division. The combination of those resources in 2015 has made it difficult to figure out who oversees maintenance if one of the buoys goes down. She asked if the Reserve has any ideas about this subject. She also mentioned that Magnolia Springs Fire and Rescue was once willing to upkeep navigational aids, but they cannot because it would be out of scope of their operations and they are not able to incur potential liability issues. She added an inquiry of fire and rescue to keep a boat at the ramp for quick water access. Patti McCurdy asked if fire and rescue had reached out and suggested a brainstorming session after the meeting. Ashley Campbell mentioned the fire and rescue chief works with her and offered to assist. She also asked if there was a local app to help with navigation. Jennifer Fidler responded that the past few accidents she was aware of were following their GPS and that sometimes the signal is not good enough.

Randy Roach asked who installed these navigational aids. Jennifer Fidler responded that it was Harold Sherman, back in the 1980s. Mr. Eslava did the markers previously and Mr. Sherman went to the Baldwin

County Commission for permission to replace them, did the survey and put them in. The Coast Guard did not include them on their maps. At one time maintenance on them occurred but hasn't since 2015. The Baldwin County Commission feels like it is the state's responsibility and does not want responsibility. Randy Roach added that liability cuts both ways. Ashley Campbell added that perhaps owners could place reflective materials on their piers.

Will Underwood commented on Magnolia Springs successes. ACAMP funded Magnolia Spring's comprehensive plan development in the last cycle and is funding a zoning ordinance in the next. Ashley Campbell added that the town is looking at river buffers for septic tanks.

Patti McCurdy shared upcoming meetings.

- RESTORE Council 2026 Funded Priorities List meeting on December 17th in Spanish Fort
- Alabama Gulf Coast Recovery Council Virtual Meeting December 19th
- Forever Wild Meeting in Montgomery on February 5th
- Forever Wild Meeting in one of the Coastal Counties on May 7th

Randy Roach mentioned the Wetland Identification and Delineation course and asked if it is known what is defined as a wetland. He noted the inquiry stems from a lawsuit over this definition, the EPA and the Corps of Engineers were asking for comments last he heard. Patti McCurdy responded that there is additional litigation. She stated that this course is more basic and ecological and is not required to be as professional and rigid down to the defined legal definition. Ashley Campbell added that a wetlands compliance workshop is where federal and state government regulations are addressed and one is scheduled sometime next spring. Out of the three parameters (soils, hydrology and plants), hydrology is the one in question. She noted the county protects non-jurisdictional wetlands with a five-foot buffer. Randy Roach asked if pitcher plant bogs would be protected. Ashley Campbell answered no, they would be non-jurisdictional at the federal level and unprotected unless taken up at a state or local level.

Angela Underwood announced tentative dates for 2026 committee meetings: March 18*, June 17, September 16 and December 9. (*note: rescheduled for March 11)

Matt Williford mentioned that there are teaching opportunities in biology for Alabama Coastal Community College.

Jane Herndon attended a public meeting hosted by Mobile Baykeeper in Gulf Shores, "How is Development Shaping the Future of Baldwin County". Another one is to be held in Fairhope in January.

Ashley Campbell mentioned county updates

- Subdivision regulations for lots less than 80 ft must implement low impact development (LID). Mobile Bay NEP is developing a tool to show reductions in nitrogen and phosphorus which is required by LID. Training for the tool will happen in early 2026.
- The county received a grant to install four new stream gauges and four new rain gauges that can be incorporated into Weather Underground or WeatherLink. James Howard assisted the county's consultant with the installation of stream gauges in Styx River Watershed.
- Magnolia Springs is updating a model to use AGWA software, that enters subdivision pre and post development stormwater detention calculations to measure downstream velocities and impacts.

A boat trip for committee members will be scheduled some time in 2026.

Randy Roach announced the Southern Pine Hills Prescribed Fire Council is now organized and seeking members to join. It is a volunteer effort to help private landowners perform prescribed burns on their properties. They are having a meeting in Bay Minette on December 12th at 7:00 pm.

Adjourn:

Ashley Campbell asked for a motion to adjourn. Nicole Beckham so motioned and Randy Roach seconded. Meeting adjourned 3:33 pm.

Next Meeting

March 11, 2:00 pm in-person at the Weeks Bay Resource Center.

NERRS System-wide Monitoring Program

Long-term environmental monitoring is a key activity of NOAA's National Estuarine Research Reserve System (NERRS). The NERRS System-wide Monitoring Program (SWMP; pronounced "swamp") includes regular measurements of water quality indicators, meteorological data and nutrient data.

Water quality indicators include water temperature, specific conductivity, salinity, dissolved oxygen, depth, pH, and turbidity. Meteorological data include air temperature, relative humidity, barometric pressure, wind speed, wind direction, precipitation, and solar radiation. Nutrient data include orthophosphate, ammonium, nitrite, nitrate, nitrite + nitrate and chlorophyll.

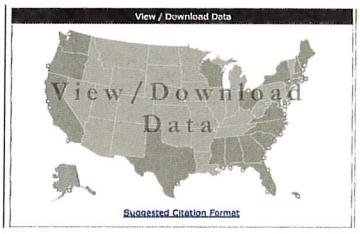
The NERRS Centralized Data Management Office (CDMO) provides technical support to monitoring programs in each of the 30 NERRS estuaries and provides access to data from these programs to researchers and anyone else who is interested in this information.

Data from the CDMO database allows students to analyze and make inferences about some of the processes that affect environmental conditions in a specific estuary.

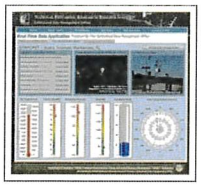
For 24-hour data and graphing:

1. Go to: http://cdmo.baruch.sc.edu/

2. Click on:



3. Click on *"To launch the Real Time Data Application, click here."*

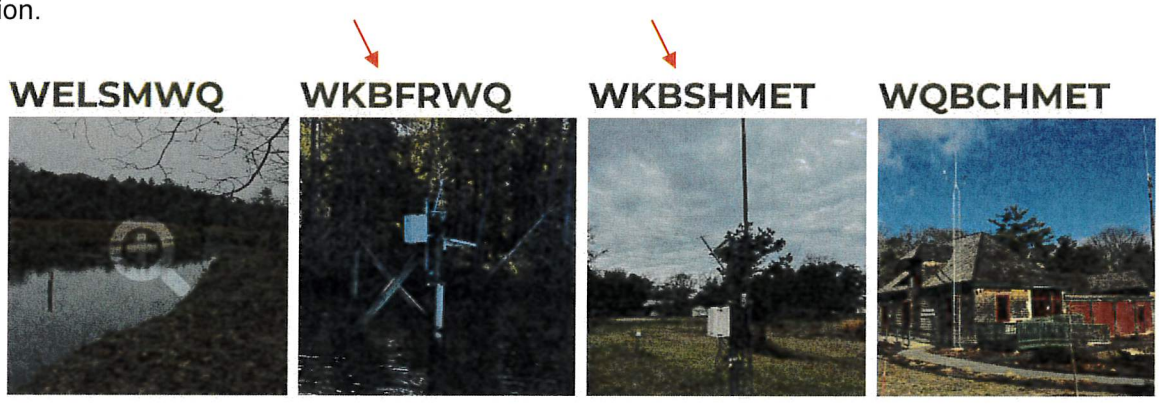


Real Time Data Application

The Real Time Application allows users to view near real time data, real time gauges, and 24 hour graphs with multiple parameters. You may use a bookmarked link to directly access the station of interest, or browse and select your station. The display will update automatically with the latest information as it comes in.

To launch the Real Time Data Application, click here.

4. Scroll down near the bottom. For local 24-hour Real-Time Data: choose the WKBFRWQ (Fish River station) for water quality information and choose the WKBSHMET (Safe Harbor Met Station) for local weather information.



For SWMP data sets and graphing:

1. Go to: http://cdmo.baruch.sc.edu/get/landing.cfm

2. Click on "*Launch*" (Data Graphing and Export System)

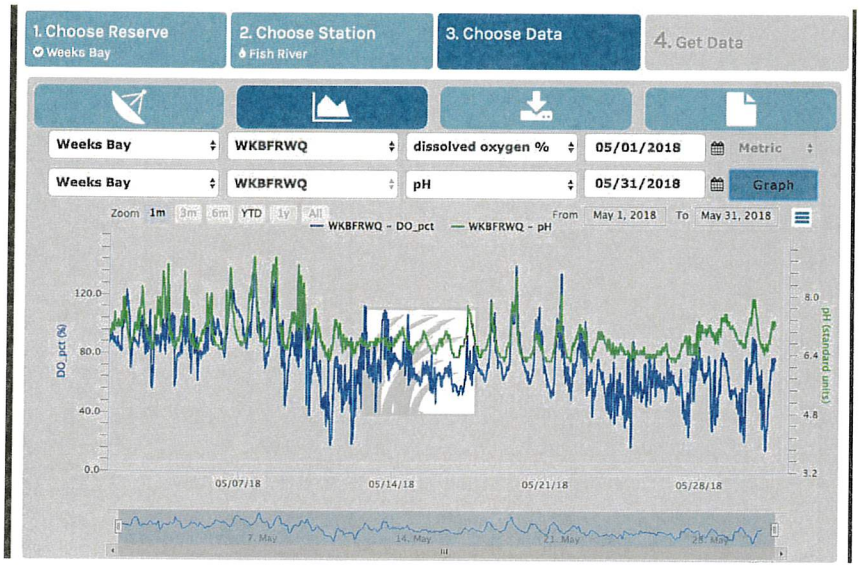


Data Graphing and Export System

The DGES was developed to provide the majority of users with quick and easy access to SWMP data. The DGES utilizes an intuitive map-based interface and offers single station exports, yearly authenticated file downloads (these may include non-standard nutrient parameters), charting, and a current conditions display for real-time stations. A quick start tutorial is also available here.

Launch

3. Using the tabs above the map choose the reserve, the station and then the data you wish to graph.



Data Mysteries

1. https://cdmo.baruch.sc.edu/noaa-nerrs-education/

2. The reserve's educators and ecologists assembled these mysteries based on actual events. Each mystery contains background information and recommended data to use in the data-graphing tool.

ALABAMA MYSTERIES

Mud or Flood: Hurricanes Picking Sides

Weeks Bay Advisory Committee

Weeks Bay National Estuarine Research Reserve

September 4, 2025

MEMORANDUM

TO: Weeks Bay Advisory Committee

FROM: Angela Underwood, Manager

SUBJECT: Advisory Committee Meeting

The Weeks Bay Advisory Committee meets **Wednesday, September 10, 2025,** at **2:00 PM** at the **Weeks Bay Resource Center**. Remember, if you are unable to attend, please make every effort to send a proxy for your seat on the Advisory Committee.

The following is the preliminary Agenda for the WBAC meeting.

AGENDA

WEEKS BAY ADVISORY COMMITTEE

Call to Order

1. Approval of Minutes
2. Old Business
3. New Business
4. Manager Report:

- Management — Operations and management of Reserve
- Research — Research and monitoring at the Reserve
- Education — Ongoing educational programs at Reserve
- Stewardship — Stewardship and outreach activities
- Watershed/CTP — Update on watershed & CTP activities

5. Other Business
6. Adjourn

Please notify Angela Underwood at (251) 928-9792 or angela.underwood@dcnr.alabama.gov if you would like to add discussion items to the agenda.

The primary purpose of the COMMITTEE shall be to provide a mechanism to facilitate operations and management of the Weeks Bay NERR through advice and other interactions with the Alabama Department of Conservation and Natural Resources (ADCNR) and the Weeks Bay NERR. The COMMITTEE does not represent the opinions and policies of the ADCNR.

11300 U.S. Highway 98 - Fairhope, Alabama 36532 - Phone: (251) 928-9792 - Fax: (251) 928-1792

MINUTES

Weeks Bay National Estuarine Research Reserve
Advisory Committee Meeting
September 10, 2025

Call to order:
The scheduled quarterly meeting of the Weeks Bay Advisory Committee was called to order by Ashley Campbell on September 10, 2025, at 2:00 PM.

Board Members in Attendance:
Ashley Campbell – Baldwin County Planning & Zoning, Chairwoman
Patti McCurdy – Alabama Dept. of Conservation, Director of State Lands Div.
Autumn Nitz– Alabama Dept. of Environmental Management
Nicole Beckham – Proxy for Kevin Anson – Alabama Dept. of Conservation, Marine Resources Div.
John Valentine – Dauphin Island Sea Lab, Executive Director
Randy Roach – Citizen Representative, US Fish & Wildlife Service – Retired
Will Underwood – nonvoting, Alabama Dept. of Conservation, Coastal Section Administrator for State Lands Div.
Sommer Calderon – Resource Teacher at Environmental Study Center
Jane Herndon – nonvoting, South Alabama Land Trust, Executive Director
Stephanie Wainwright– Science Supervisor, Baldwin County Schools

Members Not Present:
Chris Elliot – Alabama Senate Seat 32
Jennifer Fidler – Alabama House Seat 94
PJ Waters – Auburn Univ. Marine Extension and Research Center
Debbie Quinn – Citizen Representative
Matt Williford – Coastal Alabama Community College

Staff in Attendance:
Eric Brunden – Stewardship Coordinator– WBR
Angela Underwood – Manager – WBR
Johanna Gertsch – CTP Coordinator – WBR
Ashley Griffin – Research and Monitoring Tech – WBR
Sarah Johnston – GIS Specialist – WBR
Kathy Hicks – Education Coordinator - WBR

Others in Attendance:
Rebecca Perdue – Alabama Dept. of Conservation, Coastal Section
Doug Deaton –Alabama Dept. of Conservation, Assistant Director of State Lands Div.
Collin Roberts –Alabama Dept. of Conservation State Lands Field Operations Section, Conservation Enforcement Officer Sr.

Approval of Minutes
Ashley Campbell called the meeting to order. Introductions were made for Collin Roberts and Kathy Hicks. Ashley Campbell asked for motion to approve minutes for the June 10, 2025, meeting. Motion for

approval was called for by Randy Roach and seconded by Nicole Beckham. No objection. Motion to accept minutes passed.

Old Business:

Field trip planning for WBAC was discussed with suggested dates for November 10th or 14th, water level depending, with options of visiting East Gateway, Lloyd or Holmes tracts. Other dates may be optioned due to timing coinciding with Veterans Day Holiday. Committee members were asked to identify any other tracts they would like to visit.

Patti McCurdy provided an update on ops grant funding, it is likely to be level funded for both Weeks Bay Reserve and CZM. There were some cuts but none of them affected operations or project grants. The CZM award that has been accepted includes funding 5 sub-awards to local municipalities including Loxley zoning ordinance and Magnolia Springs zoning ordinance.

New Business:

Reserve Manager Report:

Reserve Manager Angela Underwood updated the committee on the status of Reserve operations.

- Application for BIL funding to construct/expand fire breaks on Ogburn and Damson Tracts was accepted by the Dept of Commerce--$619,714.00, no match required.
- Application for PAC funding for a Renovation Plan for the Visitor Center Complex was accepted by the Dept of Commerce approval--$477,457.00, using banked match, no cash match.
- Construction on the Baywatch (boat ramp) parking area completed. Funded through Alabama's GOMESA grant program administered through ADCNR-- $757,097.00.
- Continue working with ADCNR Conservation Construction Inspector Jacques Hollings to complete design and specs for Visitor Center Boardwalk Improvements project. Funded through PAC--$603,227.00, using banked match, no cash match.

Discussion

Lighting will be installed at the Resource Center Parking lot. It will be solar-powered and can be adjusted. Patti McCurdy mentioned that the lighting was delayed through the contractor, but it is coming. She mentioned GOMESA proceeds provided funding and thanked the Governor, Commissioner and Marine Resources for their part. Ashley Campbell stated that several fishermen told her that it was worth the wait. Jane Herndon stated that she thinks it looks great and asked if there have been any complaints. None have been reported.

Working on other construction projects including getting designs for the Visitor Center boardwalk. The bog boardwalk is complete. The Visitor Center boardwalk will hopefully be started by the beginning of the year.

Jane Herndon asked about the renovation plan for the Visitor Center complex and whether that included renovations/construction. Angela Underwood replied that it is just for the plan, not for any renovations, and includes the Visitor Center, Auditorium and outer surrounding grounds as well as initial concepts of interior displays. Patti McCurdy added that this will allow better pursuit of grants, knowing how much things will cost. This was through NOAA PAC funding, and it has only been recently that it includes the ability to apply for planning.

Randy Roach asked about delivery of the Marsh Master and expressed interest in riding on it. Patti McCurdy stated that it was delayed. Doug Deaton added that it takes at least 6 months from bidding it out to delivery and guessed it would be delivered around spring.

Research Report:
Reserve Research and Monitoring Technician Ashley Griffin reported on Research.

- New Resilient Water Quality platforms have been installed.
- New weather station has been installed and will be operational soon. The new weather tower will be more resilient to strong winds and the sensors are the latest models.
- Recent researchers: Andrew Balder from Auburn (surveying Wolf Bay), Adam Siders from UA (Sediment core sampling near boat launch), Geological Survey of Alabama, Auburn PhD students research projects sampling (Cryptobenthic fish)
- Looking ahead:
    - Grand Bay NERR Research Symposium October 15th
    - Research Coordinator Sector Meeting at Mission Aransas NERR in December.

Discussion
Patti McCurdy mentioned that Weeks Bay Reserve was one of three pilot sites for the new resilient water quality platforms and asked what the other two sites were. Ashley Griffin responded that they were North Inlet-Winyah Bay NERR, SC and North Carolina NERR, NC.

Doug Deaton asked if the weather station data must be physically downloaded or is it automatically sent remotely? Ashley Griffin answered that she downloads it on site, but it is also transmitted to a GOES satellite to NOAA. Angela Underwood added that the Safe Harbor weather station and Fish River water quality site are offered in real time at CDMO.

Randy Roach asked what is monitored? Ashley Griffin responded with water temperature, turbidity, salinity, pH, and dissolved oxygen. Every month during a low tide cycle, nutrient levels are monitored.

Jane Herndon asked what the Geological Survey of Alabama is doing. Johanna Gertsch responded that they are working on installation of aerial targets for orthophotography QA/QC, hydrographic surveying and bottom sediment core sampling. Will Underwood added that ACAMP funds yearly data collection of Gulf fronting AL shoreline aerial imagery and RTK GPS points of shoreline at repeatable locations for aerial comparisons. They also do ground well/groundwater monitoring.

Ashley Campbell asked Will Underwood if aerial imagery collection work had been done on the northern shore of Fort Morgan under this contract. He responded no that it has always been gulf fronting. Alternatives or extensions have been investigated, but nothing has worked out so far. There could be ways to collaborate to include more aerial coverage.

Education Report:
Manager Angela Underwood introduced Stephanie Wainwright, Baldwin County Schools.
Kathy Hicks reported on Education.

Education Groups: 101 preK-college students, 86 adults

- Snook Christian Academy summer camp 3rd-6th grade and k-2nd grade, Pensacola Naval Air Station summer camp students

- DISL Coastal Wetlands Class, AUMERC/DISL Marine Conservation Class
- South Alabama Seniors boat trip, Great Southeast Pollinator Census, Rock Creek Garden Club

Discussion

Ashley Campbell asked about the pollinator census. Was it just at the Reserve? Kathy Hicks answered that tutorials were offered, and participants could monitor along with staff on site or at their own homes. This is a planned annual activity.

Stewardship Report:

Reserve Stewardship Coordinator Eric Brunden reported on Stewardship.

- Lloyd Tract Restoration: staff treated heavy infestation of cogon grass throughout the tract, collected soil sample for analysis prior to understory restoration attempts, collected acoustic monitoring data, and captured images of gopher tortoises on the tract.
- Holmes Tract Restoration: worked with Johanna to locate and flag boundary markers.
- Lloyd, Holmes, Foley and Safe Harbor Tracts: will be renting a skid steer with mulching attachment to clear firebreaks on the Holmes Tract, eliminate loblolly from Lloyd Tract, and clear scrub/shrub from other tracts. Will treat exotic invasive species on as many tracts as possible in the spring.
- East Gateway Restoration: archaeologists conducted field sampling for Cultural Resource Assessment.
- Damson – Ogburn Restoration: currently seeking quotes for a study to determine effects of hydrological alterations (ditching, roadbuilding) on the Damson Tract, will move forward with creating fire breaks and conducting prescribed fires over the next year.
- Fish River Marsh Restoration: Staff worked with Dr. Gannon's Coastal Wetland class to conduct a vegetation survey. Additional restoration monitoring will occur in October with Stantec conducting a vegetation survey, Moffet and Nichol conducting a topographic survey.
- Grayson continues to deploy acoustic monitoring equipment to capture migratory bird and bat use of Reserve habitats.
- Attended sessions of the Alabama Water Resources Conference.
- Working with NOAA and NERRS staff planning a joint Stewardship/GIS meeting which we will be hosting the week of October 20th.

Discussion

Ashley Campbell asked about having substantial flagging for survey markers on the Holmes tract. Eric Brunden answered that they found previous markers. Patti McCurdy responded that this could be discussed later, and it is a good idea to have a more substantial marker to make it easier to find.

Randy Roach asked about the Fish River Marsh Restoration and expressed concerns about the effectiveness of natural vegetation regeneration and if there is an alternative plan should it not be successful? Eric Brunden responded that vegetation is already filling in, there is every indication of success and noted that monitoring and removal of non-native species would be important. Randy Roach asked if Phragmites would be considered invasive or non-invasive. Eric Brunden responded non-invasive because removal of Phragmites is not a practical solution. Randy then asked what would be considered a success? Eric responded that it would be considered successful when it is functioning like a marsh, comparable to the adjoining marsh. It already is showing signs of proper tidal range and function. The wildlife and native species are coming back. It is better than what it was which was harmful algal blooms and fish kills. Stantec is coming down in the near future to conduct a vegetation survey which will add to

one done previously by students for comparison and to track progress. The student vegetative surveys are expected to occur annually. Angela Underwood mentioned that seeding and plantings were considered if natural vegetation regeneration was not working. Eric Brunden has concerns for seed broadcasting with fears of potential contamination of seed mixtures and would prefer mature plant plantings if necessary.

The Baldwin County Grasses and Classes program was mentioned by several committee members and Patti McCurdy noted that it was a project that occurred when the Reserve's Education Coordinator position was funded by Baldwin County schools. Former Reserve Education Coordinator Margaret Sedlecky wrote many grants to assist with project funding. Ashley Campbell asked if it could be funded by an ACAMP grant. Will Underwood responded that it would need to be taken into consideration as to how it would fit within programmatic requirements. Patti McCurdy has ideas as to a potential funding source but would need to figure out staff capacity hours and welcomes future discussion for partnerships and implementation.

Coastal Training:

CTP Coordinator Johanna Gertsch reported on Coastal Training.

- Assisted Stewardship with invasive plant management and restoration planning
- Working with City of Magnolia Springs to increase water quality monitoring capacity and better understand Magnolia River water quality.
- Coordinated First Aid/AED/CPR Course
- Attended Longleaf Alliance Gopher Tortoise Academy
- Alabama Water Watch Training Workshop
- Attended Alabama Water Resources Conference
- Upcoming Workshops:
    - 9/11 Alabama Water Watch Training – Magnolia Springs
    - 9/26 Invasive Plant Species Management
    - 10/7 RT-130 – Wildland Fire Safety Training
    - 10/11 Alabama Water Watch Training – Foley
    - 11/4-7 Wetland ID & Delineation - USACE

Discussion

Ashley Campbell complimented Johanna's work stating she is an asset to the state and fabulous to work with. She highlighted the work being done in the town of Magnolia Springs, thanking ACAMP for funding their zoning ordinance. Baldwin County is doing a lot of water quality work with them. Auburn is looking at septic tank impacts to groundwater. Other agencies involved include NRCS, ADEM, City of Foley, Baldwin County, MBNEP, and Mobile Bay Keeper. Patti McCurdy noted that connecting with local communities and prioritizations are important.

Other business

- Rebecca Perdue mentioned Coastal Cleanup, happening September 20, 2025, 8am-12pm.
- Will Underwood complimented Rebecca as Coastal Cleanup Coordinator, especially as a new hire without the benefit of having experienced past events.
- Patti McCurdy believes that Governor Ivy will be announcing GOMESA awards the last week of September. She went on to inform of ADCNR staff changes.
    - ADCNR Deputy Commissioner Ed Poolos is the new director of ADEM
    - Charlanna Skaggs named ADCNR Deputy Commissioner

- Billy Pope named ADCNR Assistant Deputy Commissioner
- Chuck Sykes, WFF Director, retired July 1st and is now Association of Fish and Wildlife Agencies President.
- Scott Bannon retired August 1st and will be running the 5 Rivers Delta Center facility for the Alabama Wildlife Federation.
- Kevin Anson was promoted to Marine Resources Division Director
- Fred Harders is Acting Director of Wildlife and Freshwater Fisheries

- Ashley Campbell mentioned the Meadows Parking lot improvements, Corp permits have been acquired, and work is planned for this fall.
- Thanked Weeks Bay staff for attending the Baldwin County Materials Recovery Facility (MRF) tour. If anyone would like a tour, feel free to contact her or the Solid Waste Disposal Authority.
- Angela Underwood mentioned that the MRF is a great educational facility and that some school groups have been spending half a day there and the other half at the Reserve for full-day field trips.
- Jane Herndon mentioned the Gulf Coast Nature Expo will be held at Weeks Bay Plantation on October 4, 2025, 9am-2pm. She expressed interest in MRF exhibiting. Ashley Campbell suggested MS4 (Municipal Separate Storm Sewer System) as an exhibitor for future expos.
- Patti McCurdy informed that the Commissioner accepted a boating access award from the National Association of Boating Access.
- Randy Roach asked if the WBAC meetings could be changed from Wednesdays to either Mondays or Fridays. Patti McCurdy suggested discussing it after the December meeting which has already been set. Ashley Campbell recommended creating a poll to ask the group at large.

Adjourn:

Ashley Campbell asked for a motion to adjourn. Randy Roach so motioned and Nicole Beckham seconded. Meeting adjourned 3:10 pm.

Next Meeting

December 10, 2:00 pm in-person at the Weeks Bay Resource Center.

Weeks Bay Advisory Committee

Weeks Bay National Estuarine Research Reserve

June 17, 2025

MEMORANDUM

TO: Weeks Bay Advisory Committee

FROM: Angela Underwood, Manager

SUBJECT: Advisory Committee Meeting

The Weeks Bay Advisory Committee meets **Wednesday, June 25, 2025,** at **2:00 PM** at the **Weeks Bay Auditorium**. Remember, if you are unable to attend, please make every effort to send a proxy for your seat on the Advisory Committee.

The following is the preliminary Agenda for the WBAC meeting.

AGENDA

WEEKS BAY ADVISORY COMMITTEE

Call to Order

1. Approval of Minutes
2. Old Business
3. New Business
4. Manager Report:

• Management	Operations and management of Reserve
• Research	Research and monitoring at the Reserve
• Education	Ongoing educational programs at Reserve
• Stewardship	Stewardship and outreach activities
• Watershed/CTP	Update on watershed & CTP activities

5. Other Business:
6. Adjourn

Please notify Angela Underwood at (251) 928-9792 or angela.underwood@dcnr.alabama.gov if you would like to add discussion items to the agenda.

The primary purpose of the COMMITTEE shall be to provide a mechanism to facilitate operations and management of the Weeks Bay NERR through advice and other interactions with the Alabama Department of Conservation and Natural Resources (ADCNR) and the Weeks Bay NERR. The COMMITTEE does not represent the opinions and policies of the ADCNR.

MINUTES

Weeks Bay National Estuarine Research Reserve
Advisory Committee Meeting
June 25, 2025

Call to order:
The scheduled quarterly meeting of the Weeks Bay Advisory Committee was called to order by Ashley Campbell on June 25, 2025, at 2:01 PM.

Board Members in Attendance:
Ashley Campbell – Baldwin County Planning & Zoning, Chairwoman
Patti McCurdy – Alabama Dept. of Conservation, Director of State Lands Div.
Katie Smith – Proxy for Autumn Nitz– Alabama Dept. of Environmental Management
Matt Williford – Coastal Alabama Community College
Nicole Beckham – Proxy for Kevin Anson – Alabama Dept. of Conservation, Marine Resources Div.
John Valentine – Dauphin Island Sea Lab, Executive Director
Randy Roach – Citizen Representative, US Fish & Wildlife Service – Retired
Will Underwood – nonvoting, Alabama Dept. of Conservation, Coastal Section Administrator for State Lands Div.

Members Not Present:
Chris Elliot – Alabama Senate Seat 32
Jennifer Fidler – Alabama House Seat 94
PJ Waters – Auburn Univ. Marine Extension and Research Center
Sommer Calderon – Resource Teacher at Environmental Study Center
Stephanie Wainwright– Science Supervisor, Baldwin County Schools
Debbie Quinn – Citizen Representative
Jane Herndon – nonvoting, South Alabama Land Trust, Executive Director

Staff in Attendance:
Eric Brunden – Stewardship Coordinator– WBR
Angela Underwood – Manager – WBR
Johanna Gertsch – CTP Coordinator – WBR
Ashley Griffin – Research and Monitoring Tech – WBR
Grayson Holley – Intern-WBR

Others in Attendance:
Rebecca Perdue – Alabama Dept. of Conservation, Coastal Section
Doug Deaton –Alabama Dept. of Conservation, Assistant Director of State Lands Div.

Approval of Minutes
Ashley Campbell called the meeting to order. Ashley Campbell asked for motion to approve minutes for the March 12, 2025, meeting. Motion for approval was called for by Matt Williford and seconded by Randy Roach. No objection. Motion to accept minutes passed

Old Business:
No old business to report.

New Business:

Reserve Manager Report:
Reserve Manager Angela Underwood updated the committee on the status of Reserve operations.

- Application for BIL funding to construct/expand fire breaks on Ogburn and Damson Tracts was accepted pending Dept of Commerce approval--$619,714.00, no match required.
- Application for PAC funding for a Renovation Plan for the Visitor Center Complex was accepted pending Dept of Commerce approval--$477,457.00, using banked match, no cash match.
- Construction on the Baywatch (boat ramp) parking area began in May. 90-day contract for completion. Funded through Alabama's GOMESA grant program administered through ADCNR--$757,097.00.
- Working with ADCNR Conservation Construction Inspector Jacques Hollings to complete design and specs for Visitor Center Boardwalk Improvements project. Funded through PAC--$603,227.00, using banked match, no cash match.
- Pitcher Plant Bog boardwalk final inspection completed June 3 and boardwalk reopened June 13. Funded through NOAA PAC Award and Weeks Bay NERR Operations with State Lands matching funds of 30%.
- Restoration Road Trip/NERRA Spring Board Meeting/Hill Visits/OCM Program Managers' Meeting
- Attended Gulf of America All Hands Meeting as the chair and state lead for the Education and Engagement team.

Discussion
Ashley Campbell asked for clarification on the scope of work for the upcoming visitor center renovation plan, whether it was for an actual plan or plan proposal. It is for an actual plan built upon the Weeks Bay Facilities Master Plan.

Ashley Campbell expressed her happinesses for the renovation of the boat ramp parking area and stated many have contacted her about the renovations.

Ashley Campbell asked where the name "Bay Watch" came from for the boat launch near the Fish River bridge. Other committee members stated that they refer to it as Weeks Bay boat launch. It was then mentioned that the Bay Watch name has been in place for a long time, probably to differentiate it from the launch at the mouth of Weeks Bay which is known by various names such as View Point Launch, Pelican Point, and Big Mouth.

Ashley Campbell asked if people will still be allowed to park along the right-of-way at Bay Watch launch. It is doubtful that they will stop doing so, but it is not preferable.

Ashley Campbell proposed an idea to get a grant to acquire sign names for each boat ramp.

Randy Roach asked about funding for the fire breaks and for clarification on where the Damson and Ogburn tracts are located. He also asked for clarification on the amount of money requested for the

grant. The Damson tract is on the west side of Weeks Bay and contains the Visitor Center. The Ogburn tract is on the east side of Weeks Bay just south of Hwy 98.

Discussion about the Marsh Master. Much of the funding is planned for the purchase of a Marsh Master which will allow easier maintenance of fire breaks and is a versatile and lightweight vehicle designed to limit impacting wetlands.

Ashley Campbell asked if there could be a class/workshop on learning to burn and including the marsh master.

Research Report:
Reserve Manager Angela Underwood reported on Research.

- RETIRED as of June 1st – Scott Phipps
- Ashley Griffin taking over SWMP
- Johanna Gertsch is taking over the scheduling of researchers and use of the dorm.
- We will not pursue addressing the vacancy until after the status of FY26 NOAA funding becomes clearer.

Discussion
Randy Roach asked for clarification on the statement about the inability to fill the research coordinator vacancy. Patti McCurdy responded via zoom. Randy expressed that he believes it's important to have a research coordinator. Patti reiterated that NOAA requirements will be met but that hiring potential is limited with the currently unknown funding levels.

Education Report:
Manager Angela Underwood reported on Education.

- Staff have been covering different education groups now that Cory Powell is no longer with the Reserve. Education Groups: 600 preK-college students, 760 adults
- Rockwell Elementary Gifted 3rd-6th grade, Monroe County Gifted 5th grade, Monroe County HS, Christ the King 5th grade, Baker High School, White Sands Homeschool group; St Benedict 2nd grade, Nature Connect summer camp, Baldwin County Schools K-6 Science, Technology, Engineering, Art and Math Coaches
- UA Hydrology Class, USA Coastal Ecology Class, Troy Univ Ecology Class, DISL Coastal Management Class
- Westminster Village, Rock Creek Garden Club, UWF Leisure Learning, City of Gulf Shores Take Time Tuesday, Bayou Sara Baptist Church, Women's Retreat; Pine Glades Garden Club (Pensacola)
- Dauphin Island Discovery Day, Daphne Library Spring Break Bash
- We anticipate Kathy Hicks from 5 Rivers joining our staff between August and our next meeting to begin helping with educational programming.

Discussion
Ashley Campbell asks if there are any remaining staff at Five Rivers. Staff are still there maintaining the facility and it is open to the public. It is in a transition period right now. A few animals and exhibits have been transferred to the Weeks Bay Visitor Center.

Matt Williford asked about Westminster Village's field trip. It was an enthusiastic group of retirement residents.

Stewardship Report:

Reserve Stewardship Coordinator Eric Brunden reported on Stewardship.

- Burned the bog, led by CEO Collin Roberts assisted by State Lands Field Operations Unit and Weeks Bay staff
- Master Gardener workday in the pollinator garden; planted ~100 plants.
- Finished Lloyd Tract Phase One Restoration Plan – working with NRDA staff to initiate phase one actions.
- Collected data and observations from Holmes Tract - Drafted Holmes Tract Plan, working with NRDA staff to initiate phase one actions.
- Assisted with revision to Damson and Ogburn Restoration grant, funding pending.
- Intern Grayson Holly has been deploying acoustic monitoring equipment and processing the data (bird/bat vocalizations).
- Johanna and I presented a prescribed fire talk at Baker High School.
- Staff assisted TNC with monitoring Swift Tract breakwater modification project (additional material added to raise the height of existing breakwater).
- Attended GOAA All Hands Meeting in Biloxi as the state lead for the Habitat Resources Team.

Discussion

Ashley Campbell asked where the Holmes Tract is located. It is a tract with frontage on Magnolia River and Weeks Creek near Bemis Bay.

Ashley Campbell asked if there could be a presentation in the future on the Reserve's acoustic monitoring methods and results.

Doug Deaton asked if any unexpected species were identified with the acoustic monitors. The monitors have picked up a lot of bats that we are not confident have all been correctly identified. Almost every bat species that is found in Alabama was detected, which seems a little unusual. The data will be examined further, and additional monitoring is planned.

Randy asked if there is vegetation coming up at the Safe Harbor Restoration site. Yes, there are a lot of emergent marsh types of native grasses, *Sagittaria, Vallisneria*, Pickerelweed, Cattails, Bull-tongue, etc. Eric and Johanna recently hosted a class from Dauphin Island Sea Lab (DISL) that conducted a vegetation survey. There was one plant they were unsure of and took with them to a DISL botanist to identify.

Coastal Training:

CTP Coordinator Johanna Gertsch reported on Coastal Training.

- March 8th: Alabama Water Watch Workshop
- March 11th: Living Shorelines for Contractors Workshop
- Continued to monitor water quality at Magnolia landing with GulfCorps
- March 24th – 28th: Restoration Road Trip/NERRA Spring Board Meeting/Hill Visits/OCM Program Managers' Meeting
- March 27th: Diamondback Terrapin Monitoring Training
- April 1st – 4th: Wetland Identification and Delineation Workshop
- April 7th: Assisted TNC with marking of Swift Tract for breakwater project

- April 24th, May 21st, & May 23rd: Kayak Skills Training
- April 29th – May 1st: Attended Longleaf Academy Groundcover Restoration Workshop
- May 12th – May 13th: CTP Spring Meeting
- Assisted with Education Programming and Stewardship Habitat Management

Upcoming: Wetland Identification and Delineation Workshop

Discussion

Ashley Campbell asked where Magnolia Landing was in relation to AWW sampling site. It is the boardwalk right behind Jesse's restaurant.

Ashley Campbell mentioned Mobile Bay NEP's K-9 detection program where dogs are trained to detect wastewater pollution. She is hoping it may be of interest to cities and towns and that it may be a viable alternative to more expensive source tracking solutions.

Angela Underwood mentioned the continued work with the Master Gardeners on the pollinator garden at the Visitor Center and encouraged committee members to visit.

Other business

Ashley Campbell mentioned the Mobile Bay NEP, National Fish and Wildlife Foundation, and the county will be moving forward with the Magnolia River constructed wetland project and thanked the state for providing some monies.

Ashley Campbell asked if there could be an advisory committee trip/meeting to different tract locations. The other members expressed approval for this idea. Discussion for this topic is pending.

Ashley Campbell and Randy Roach discussed the development/restoration projects occurring around Magnolia Springs; Schoolhouse Branch restoration, new subdivision being constructed on Hwy 98 next to Magnolia Plantation subdivision and the City of Foley's constructed wetlands bypass channel on Bon Secour River near Barner Rd.

Angela Underwood announced the dates for the upcoming advisory committee meetings, September 10 and December 10.

Adjourn:

Ashley Campbell asked for a motion to adjourn. Randy Roach so motioned and Will Underwood seconded. Meeting adjourned 3:00 pm.

Next Meeting

September 10, 2:00 pm in-person at the Weeks Bay Resource Center.

Wolf Bay Watershed Watch Board of Directors Meeting

March 17, 2026

I. Minutes

II. Financial Report – Bond Maturity

III. Committee Reports
- a. Education – Scholarships
  - i. Stan Mahoney Scholarship – 4 candidates for interviews
  - ii. Homer Singleton Scholarship
- b. Water Quality/Restoration
- c. Membership

IV. Old Business
- a. Annual Meeting – Comments

V. New Business
- a. Fishing Tournament – Date
- b. Grant Support Letter – WB SWMP; Schreiber Trail
- c. Officer Elections

	Current Position
i. President	Leslie Gahagan
ii. Vice-President	Vacant
iii. Recording & Corresponding Secretary	Joanne Cox
iv. Comptroller	Nick Williams
v. Disbursing Officer	Sylvia Womack

VI. Closing/Adjourn

Wolf Bay Watershed Watch Board of Directors Meeting
March 17, 2026

Attendees Tony Schachle, Sylvia Womack, Jackie McGonigle, Nick Williams
Annelise Dodd, Leslie Gahagan, Ashley Campbell, Joanne Cox

I Welcome — We welcome Ashley Campbell, Natural Resource Planner for Baldwin County Commission. Her responsibilities include planning, developing and management of policies regarding conservation, storm water, air and water quality.

II Minutes — Nick motioned to accept the January minutes, seconded by Annelise.

III Financial Report — Nick itemized our account: Regions Bank $ 24,320.52
Schwab Acct $130,584.78
We have a bond maturing and Nick states that we will need to decide how to reinvest the funds. Sylvia will research an ETF, keeping our goals in mind. Sylvia had no disbursements this past month, and we added $660 in new memberships and annual dues.

IV Committee Reports

a. Education Four candidates were sent to interview the third week of April. We will be awarding 1 Homer Singleton Scholarship to an upperclassman, and up to three recipients for the Stan Mahoney scholarship. Leslie will be recording email addresses as it has been reported that up to 75% of college students change their major.

b. Water quality and Restoration Jackie will be training 13-14 monitors on Friday March 20. Our chemical inventory is fully stocked. We have had issues with our R cards. We will add a new monitoring site on Sandy Creek at Fern Ave. Restoration in the woods behind OWA is progressing. Wolf Creek stabilization looks good. Beulah Heights is getting a detention pond.

V Old Business — Annual Meeting was well attended and Leslie received positive feedback. Jackie and Nick did an exemplary job.

VI New Business

a. Fishing Tournament We need to get a November date on the calendar.

b. Nick motioned to support a grant for a new walking trail in Foley via composing a letter. Annelise seconded his motion and all agreed. The trail will connect the Rose Trail to North Pecan Street where Wolf Creek has undergone restoration, and named in honor of Councilman Robert Schreiber.

c. Officer Elections Leslie Gahagan President, Joanne Cox Secretary, Nick Williams Comptroller, Sylvia Womack Disbursing Officer retain positions by a motion from Tony, seconded by Jackie. All approve.
Nick nominated Jackie for Vice President seconded by Sylvia,all were in favor.

d. Leslie discussed our need to digitize our paperwork by 2028.

VII Adjournment — Annelise motioned to adjourn.

Ashley Campbell

Subject:	Magnolia River Watershed Ordinance Project - 1st Meeting
Location:	South Alabama Regional Planning Commission; Suite 200
Start:	Fri 2/6/2026 10:00 AM
End:	Fri 2/6/2026 11:30 AM
Recurrence:	(none)
Meeting Status:	Accepted
Organizer:	Farnaz Bayat

This message has originated from an External Source. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Meeting date: Friday, February 6
Meeting time: 10:00-11:30 AM
Meeting location: South Alabama Regional Planning Commission (SARPC) on the 2nd floor, Suite 200
Address: 110 Beauregard St # 207, Mobile, AL 36602

Microsoft Teams meeting

Join:

https://teams.microsoft.com/meet/22773940126208?p=HfvCHyLHOKPlBtPiLh

Meeting ID: 227 739 401 262 08

Passcode: zy7ck9pb

Need help? | System reference

For organizers: Meeting options

Ashley Campbell

From: Farnaz Bayat <fbayat@sarpc.org>
Sent: Thursday, January 22, 2026 10:49 AM
To: Jason Kudulis; Donald Beebe; Hannah Driskell; 'Priscilla Hayes'; Leslie Gahagan; Ashley Campbell
Cc: Nicole Taylor; Sarah Wraight
Subject: Magnolia River Watershed Ordinance Project - 1st Meeting

This message has originated from an External Source. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Hi everyone,

We have scheduled our first meeting for the Magnolia River Watershed Ordinance Project on **Friday, February 6, from 10:00–11:30 AM**, at SARPC's office. We look forward to the opportunity to meet in person and continue the conversation. A calendar invite has been sent, including a link to join online if you are unable to attend in person. Please let me know if you did not receive the invite.

Below is a proposed agenda to help guide our discussion. Don't hesitate to let me know if there are any additional topics you'd like to include during this initial meeting.

Meeting Agenda
1. Overview of key issues facing the Magnolia River watershed
2. Brief recap of previous studies and key findings
3. Discussion of land use and land cover influences on sediment runoff, water quality, and hydrologic processes
4. Opportunities to integrate satellite and commercial small-sat data with the existing monitoring efforts to examine:

- Land use and land cover change over time
- Groundwater depletion indicators and recharge dynamics
- Water quality degradation and sediment transport patterns

Don't hesitate to reach out if you have any questions. We look forward to seeing you on February 6.

Cheers,
Farnaz

Meeting date: February 6, 2026
Attendees: Jason Kudulis, Dr. Alex Beebee, Ashley Campbell, Leslie Gahagan, Hannah Driskell, Joe Babington, Dr. Richardson, Nicole Taylor, Sarah Wraight, Farnaz Bayat

Previous Reports and ongoing Updates

- The 2009 MBNEP report was drafted during a period of severe drought for Coastal Alabama. So this report is not accurately representing the typical conditions within the Magnolia River Watershed.
- The 2009 MBNEP report was published in 2009, but data collection and analysis likely occurred in 2007.
- The 2011 Baldwin County Commission report is currently being updated.

Local Observations

- Residents used to be able to see the bottom of the river, especially during winter months with low rainfall. This is no longer the case.
- The Cold Hole, once a popular swimming area, is experiencing a significant drop in water levels, and the water is no longer clear.
- The river often turns nearly orange following heavy rainfall events.

Septic Systems

- Older septic systems may be contributing to downstream water quality concerns. Aging septic systems can have unmonitored drainage that often goes undetected without regular inspection or maintenance.
- Municipalities and the county frequently lack sufficient resources to routinely monitor septic systems.
- Annual auditing programs could be explored as a monitoring strategy. For example, Tuscaloosa, Alabama has implemented an annual septic system auditing initiative requiring resident participation.
- A similar program could potentially be adopted by municipalities and implemented through an ordinance.
- Baldwin County is currently using ADEM Section 319 funding to support public workshops and could consider expanding these efforts to include septic system management education.

Groundwater Depletion

- Two primary aquifer systems underlie the Magnolia River Watershed: the Pliocene–Miocene aquifer and the Alluvial–Coastal aquifer. These systems are further categorized into:
    - Aquifer Zone A1 (Pleistocene–Holocene)
    - Aquifer Zone A2 (Pliocene–shallow Miocene)
    - Aquifer Zone A3 (deep Miocene)
- Most of the Magnolia River Watershed falls within Aquifer Zone A2.
- While reduced infiltration plays a role in groundwater depletion, pumping water for municipal, agricultural, and other uses is likely the main cause.

- This has been especially noticeable in coastal areas, where over-pumping has led to saltwater intrusion and, in some cases, the shutdown of wells.
- Because freshwater is less dense than saltwater, it typically floats above it. Excessive pumping can lower freshwater levels enough to draw saltwater upward into wells.
- Unconfined aquifers: Shallow, water-table aquifers where water can move freely in and out. They are directly influenced by weather and are more vulnerable to drought.
- Confined aquifers: Deeper aquifers trapped between impermeable layers, where water is under pressure and often stored for longer periods, less affected by drought.

Farming

- Irrigation wells are required to be registered, but private wells may not need permits and, in some cases, may be installed without being formally documented.
- Sod and grass seed operations tend to limit water infiltration and often require higher levels of irrigation.
- It may also be worth taking a closer look at livestock operations and how they could be affecting water quality in the watershed.

General Notes:

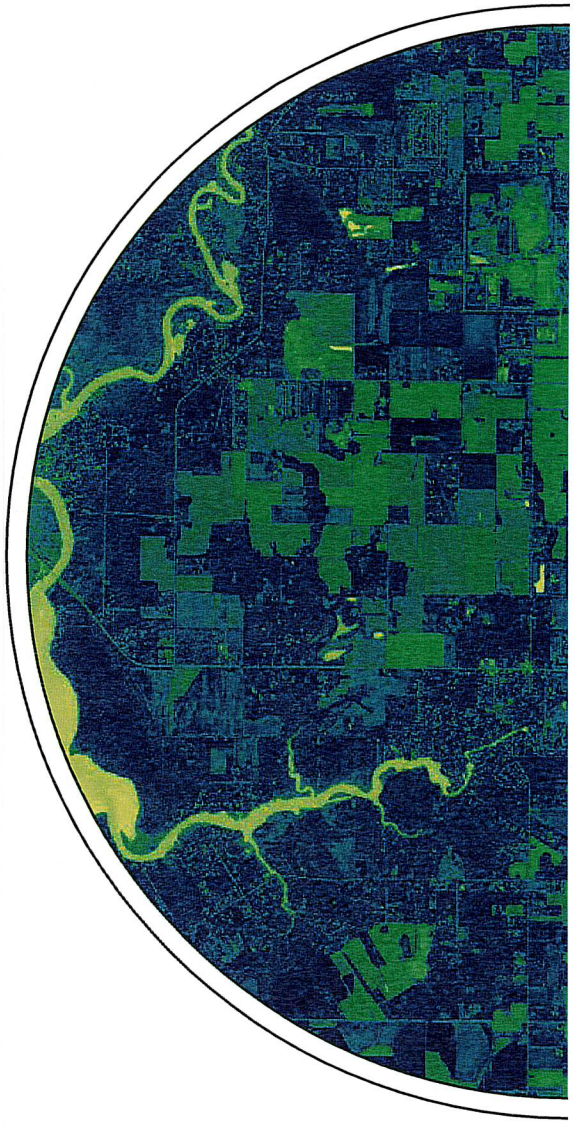
- Stream gauge data across the watershed should be used alongside remotely derived water indices to help validate results and better understand hydrologic conditions.
- In Noltie Creek, the task force is actively monitoring water quality at several sites, with a focus on conditions during and right after rainfall events.
- When looking at water quality pathogens, it's important to keep in mind that not all pathogens come from human sources; some occur naturally within the system.
- Steve Jones (Geological Survey of Alabama), John Curry (Auburn University), and Matt McDonald (Gulf Shores attorney) could provide helpful insights for this project.

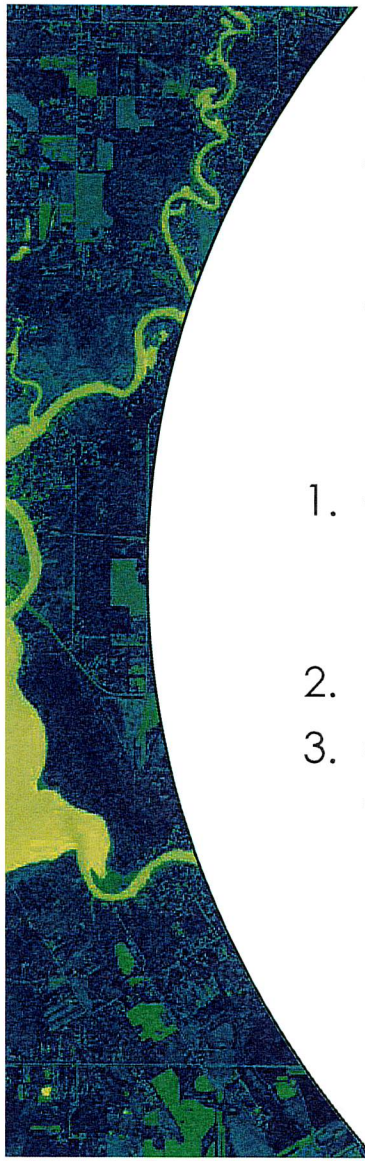
Other Resources

- The Natural Resources Conservation Service (NRCS)
- Automated Geospatial Watershed Assessment (AGWA)
- Office of Water Resources (OWR)
- USA Center for Hurricane Intensity and Landfall Investigation (CHILI)
- Baldwin County may have aerial imagery as well as LiDAR datasets that could be shared and incorporated into this project.

Magnolia River Watershed Ordinance Study

Monitoring Land Use and Land Cover Dynamics and Their Effects on the Health of the Magnolia River Watershed



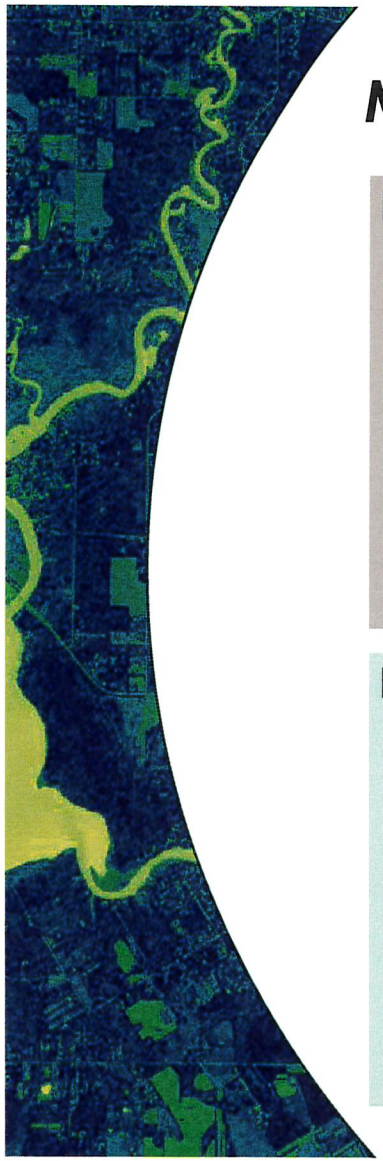


Welcome

This is our kickoff discussion for the Magnolia River Watershed Ordinance project. Thank you for being here.

Why We're Here:
Purpose and Outcomes of Today's Discussion

1. Overview of **key issues** facing the Magnolia River watershed
    - Discussion of **land use and land cover influences** on sediment runoff, water quality, and hydrologic processes
2. Brief recap of **previous studies** and **key findings**
3. Opportunities to integrate **satellite** and commercial **smallsat** data with the existing monitoring efforts to examine:
    - **Land use** and **land cover** change over time
    - **Groundwater depletion indicators** and recharge dynamics
    - **Water quality** degradation and **sediment** transport patterns



Magnolia River Watershed General Profile

Location

- **County / Region**: Baldwin County, coastal Alabama
- **Hydrologic Unit (HUC)**: HUC-12 (Weeks Bay sub-watershed)
- **Total Drainage Area**: ~25 square miles
- **Receiving Waterbody**: Weeks Bay, which drains to Mobile Bay
- **Primary Tributaries**: Magnolia River, Weeks Creek, Eslava Branch, and Schoolhouse Branch

Hydrology

- **Mean Annual Precipitation**: ~60 inches/year (typical for coastal Alabama)
- **Surface Water Features**: Perennial river and streams, tidal and non-tidal wetlands, riparian floodplains
- **Flow Regime**: Predominantly perennial, with seasonal variability
- **Baseflow Contribution**: Moderate to high, supported by shallow groundwater discharge

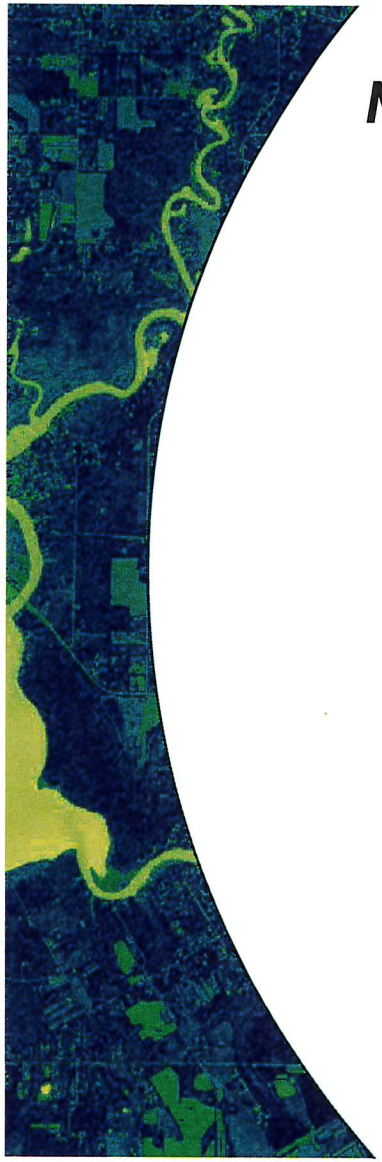
Ecology

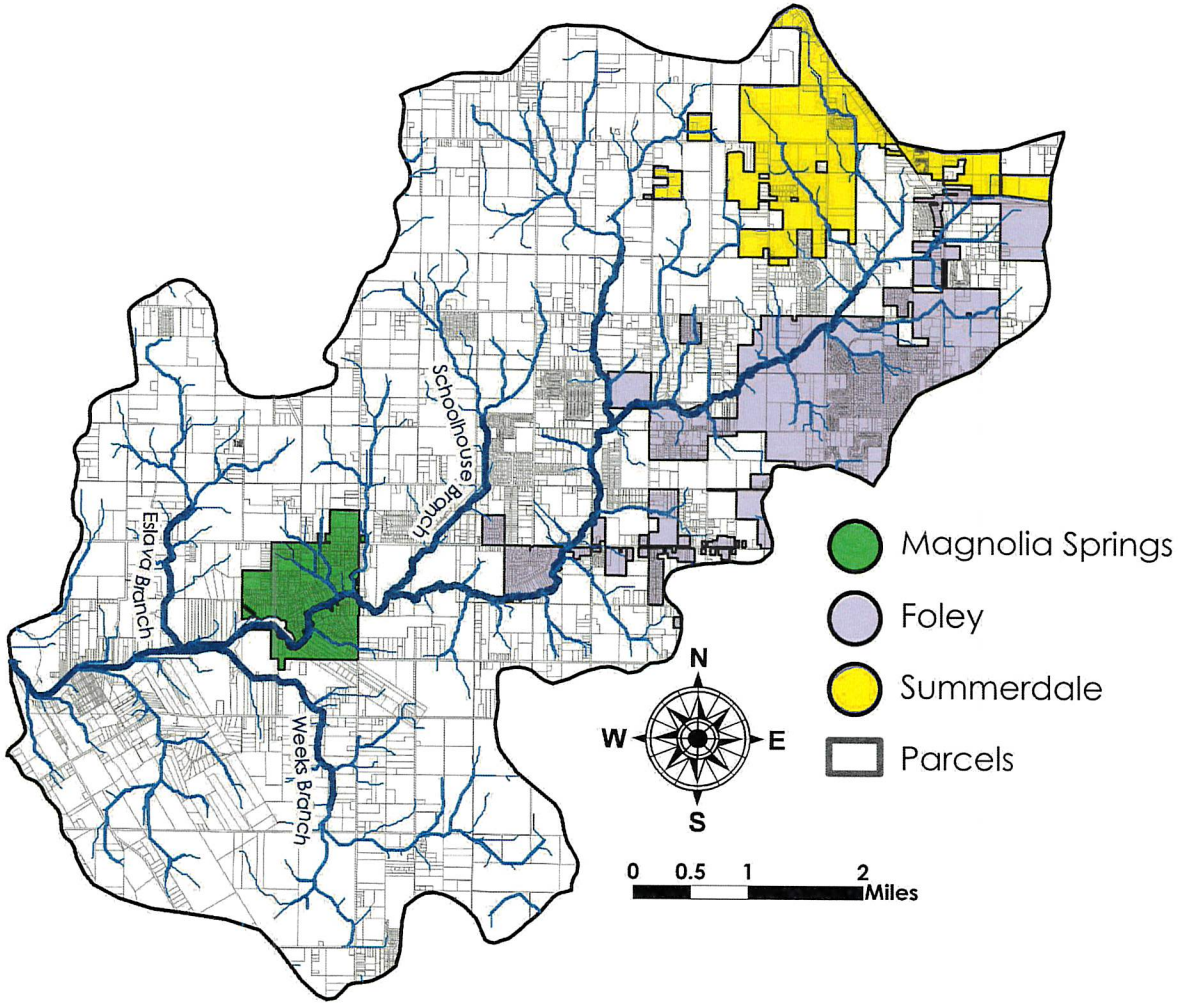
- **Habitat Types**: Forested wetlands, tidal marshes, riparian corridors, estuarine habitats
- **Protected Lands / Reserves**: Weeks Bay National Estuarine Research Reserve
- **Ecological Significance**: Estuarine fish and shellfish species dependent on freshwater inflow (critical nursery habitat)

Groundwater

- **Primary Aquifer**: Coastal Plain aquifer system (Pliocene-Miocene aquifer/Alluvial-Coastal aquifer)
- **Recharge Areas**: Uplands, permeable sandy soils, forested and agricultural lands
- **Known Water Use / Withdrawals**: Municipal supply, agricultural irrigation, domestic wells

Magnolia River Watershed at a Glance







Magnolia River Watershed: Why it Matters

Reflecting its exceptional **water quality** and need for **habitat protection**.

For **three municipalities** and residents throughout Baldwin County.

Designated as an Outstanding Alabama Water

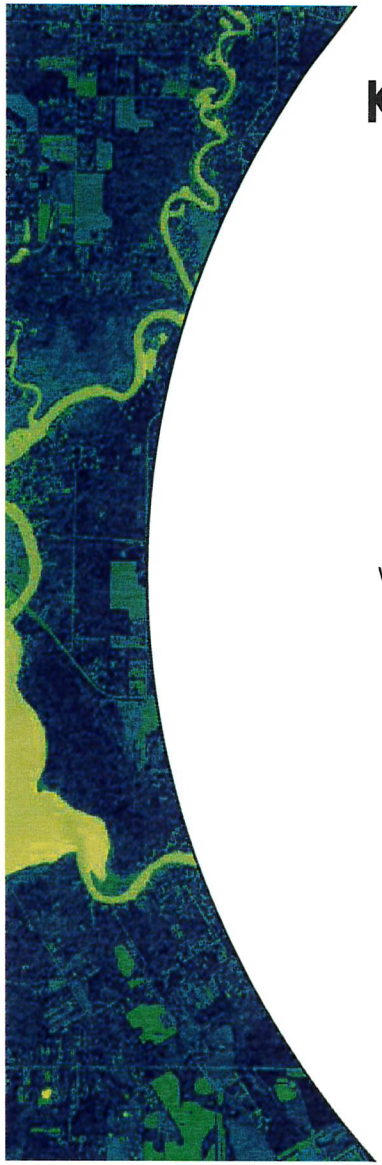
Sustains downstream fisheries and coastal economies

Serves as a critical freshwater resource

Enhances recreation, cultural identity, and overall quality of life

By delivering clean freshwater to **Weeks Bay**, **wetlands**, and connected **estuarine ecosystems**.

For local communities through **boating**, **fishing**, and nature-based activities.



Key Issues Facing the Magnolia River Watershed



Water quality degradation



Recharge area loss to new development



Sedimentation and runoff



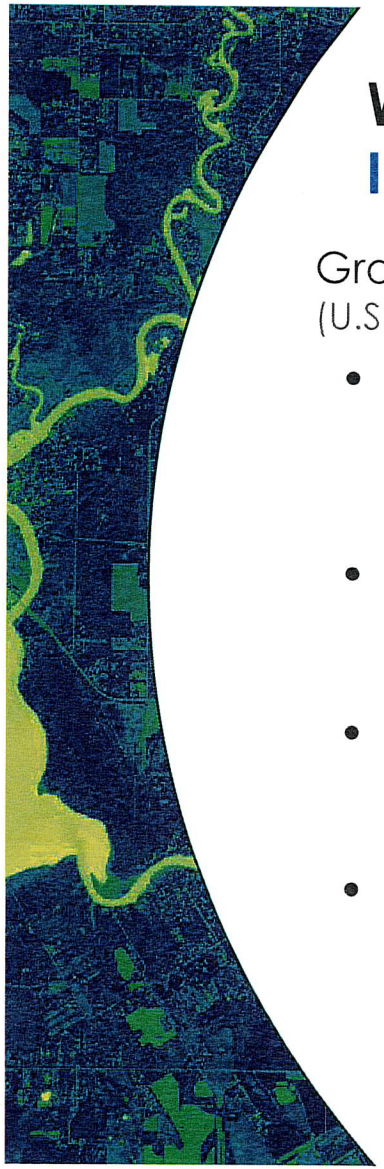
Riparian buffer loss



Population growth



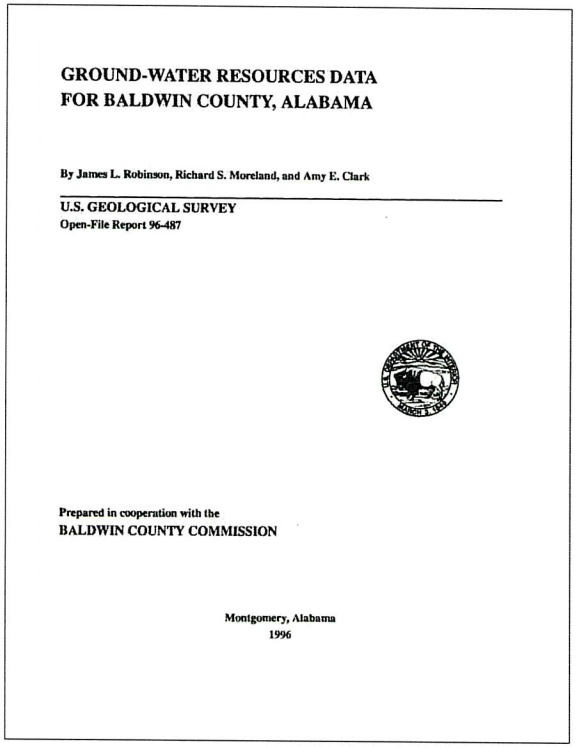
Groundwater depletion



What We Know So Far:
Insights from Previous Studies

Groundwater Resources Data for Baldwin County, Alabama (1996)
(U.S. Geological Survey – USGS)

- **Ground-water inventory and measurement framework**
  - Compiled geologic and hydrologic data for 237 wells and measured water levels in 223 wells across Baldwin and adjacent Escambia counties to characterize the county's ground-water conditions.
- **Regional ground-water levels and trends**
  - Declines were noted near Spanish Fort and Daphne, and water levels near Gulf Shores and Orange Beach were found to be very low (less than about 5 ft above sea level) in places.
- **Water quality and usability**
  - Some wells exhibited issues with iron, sulfur, turbidity, and color; most private wells are used without treatment, while public supplies require chlorination and often additional conditioning.
- **Aquifer transmissivity**
  - Groundwater moves more easily in the southeastern part of the county and more slowly near Mobile Bay.



GROUND-WATER RESOURCES DATA
FOR BALDWIN COUNTY, ALABAMA

By James L. Robinson, Richard S. Moreland, and Amy E. Clark

U.S. GEOLOGICAL SURVEY
Open-File Report 96-487

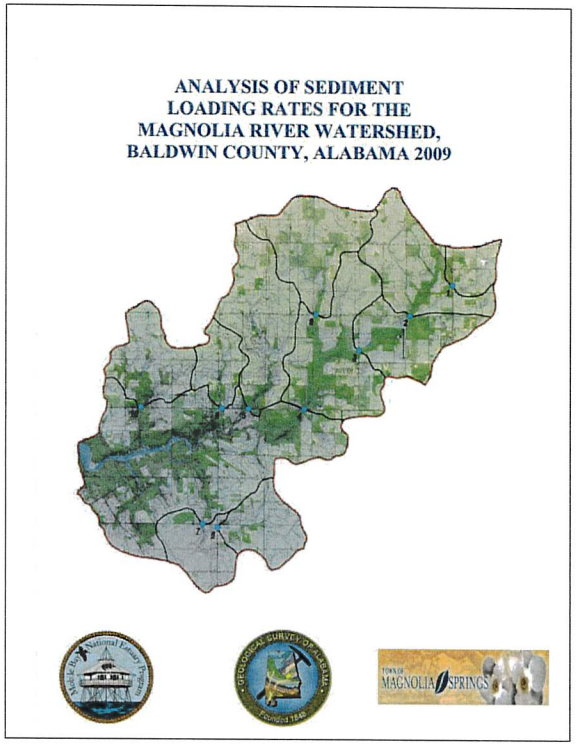
Prepared in cooperation with the
BALDWIN COUNTY COMMISSION

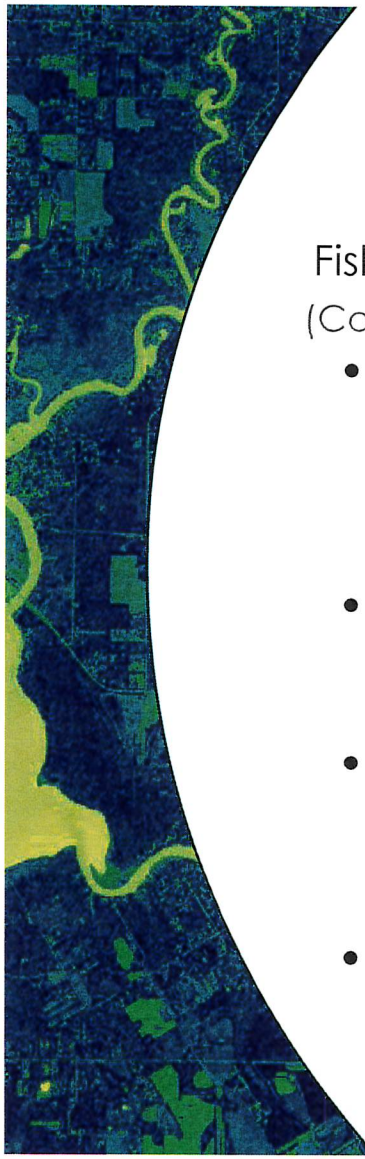
Montgomery, Alabama
1996

What We Know So Far:
Insights from Previous Studies

Analysis of Sediment Loading Rates for the Magnolia River Watershed, Baldwin County, Alabama (2009)-(Mobile Bay National Estuary Program - MBNEP)

- **Stream Discharge Patterns Drive Sediment Transport Hotspots**
  - Higher discharge on the mainstem and key tributaries drives the highest sediment transport, increasing downstream loads despite local beaver impoundments.
- **Sediment Loads Are Concentrated in Specific Subwatersheds**
  - Highest total loads occurred at Magnolia River Site 4 (1,811 tons/year). Weeks Creek (Site 7) and an unnamed tributary (Site 9) showed the highest tributary loads
- **Agricultural Activities Contribute to Runoff and Sediment**
  - Row-crop and turf farming are strongly linked to elevated suspended sediment, particularly where exposed soils and erodible Citronelle Formation sediments coincide with moderate to steep gradients.
- **Development Increases Runoff Velocity and Sediment Mobilization**
  - Residential and commercial development increases runoff and stream power, accelerating erosion, channel instability, and downstream sediment delivery if stormwater controls are not implemented.

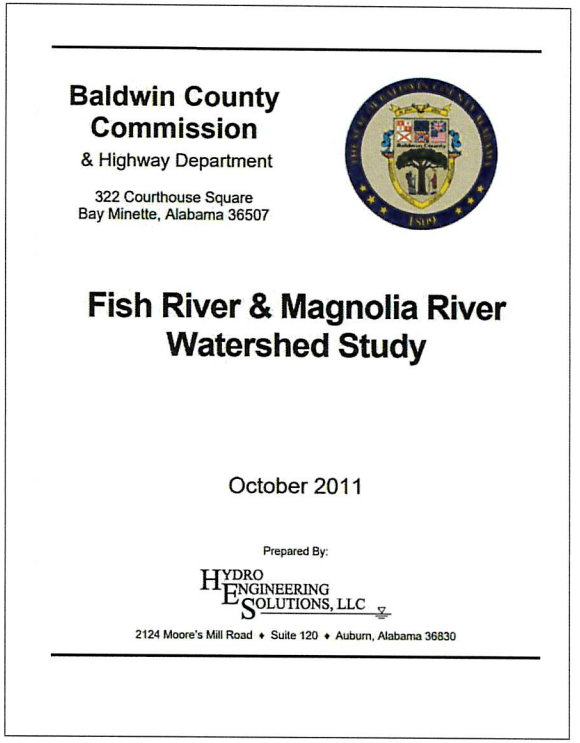




What We Know So Far:
Insights from Previous Studies

Fish River & Magnolia River Watershed Study, Baldwin County, Alabama (2011)
(Commission, Highway Department, and Hydro Engineering Solutions, LLC)

- **Upstream development is the primary driver of increased Magnolia River discharge**
  - Model results show that undetained development in the headwaters (near Foley) produces the largest increases in downstream peak discharge compared to mid-basin or lower-watershed development.
- **Regional detention ponds didn't significantly reduce discharge**
  - Simulated pond locations showed marginal reductions in peak flows due to limited storage capacity and site constraints.
- **Sedimentation risk increases with more runoff**
  - Development upstream sends more fast-moving water into streams, which causes more erosion and carries sediment downstream, and small detention ponds alone do not reduce this effect much.
- **Future development must rely on localized, site-specific controls**
  - Site-specific controls are needed to limit discharge and sediment impacts.



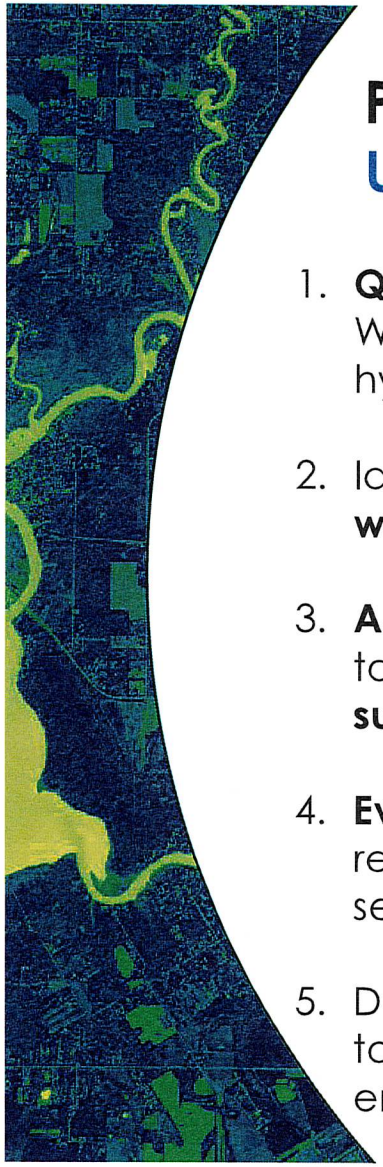
Baldwin County Commission
& Highway Department

322 Courthouse Square
Bay Minette, Alabama 36507

Fish River & Magnolia River Watershed Study

October 2011

Prepared By:
HYDRO ENGINEERING SOLUTIONS, LLC
2124 Moore's Mill Road • Suite 120 • Auburn, Alabama 36830



Project Objectives:
Understanding Change Across the Watershed

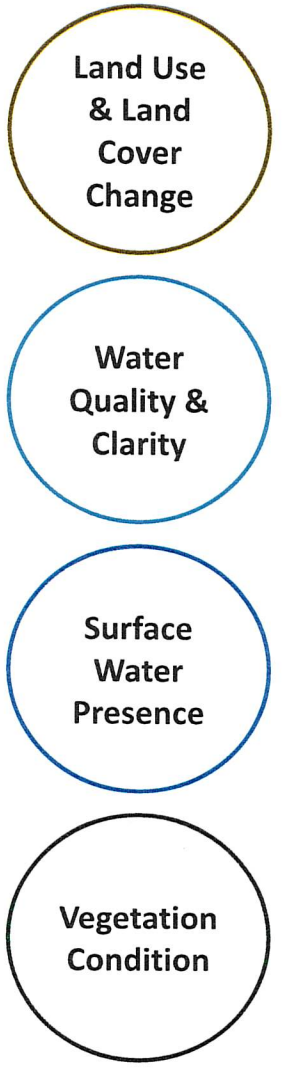
1. **Quantify land use** and **land cover change** within the Magnolia River Watershed to characterize development and their influence on hydrologic processes.

2. Identify **spatial and temporal hotspots** of change where **land use**, **water presence**, and **hydrologic responses** most strongly intersect.

3. **Assess surface water quality** using high-resolution multispectral data to derive indicators such as **turbidity**, **chlorophyll-a proxies**, and **suspended sediment**.

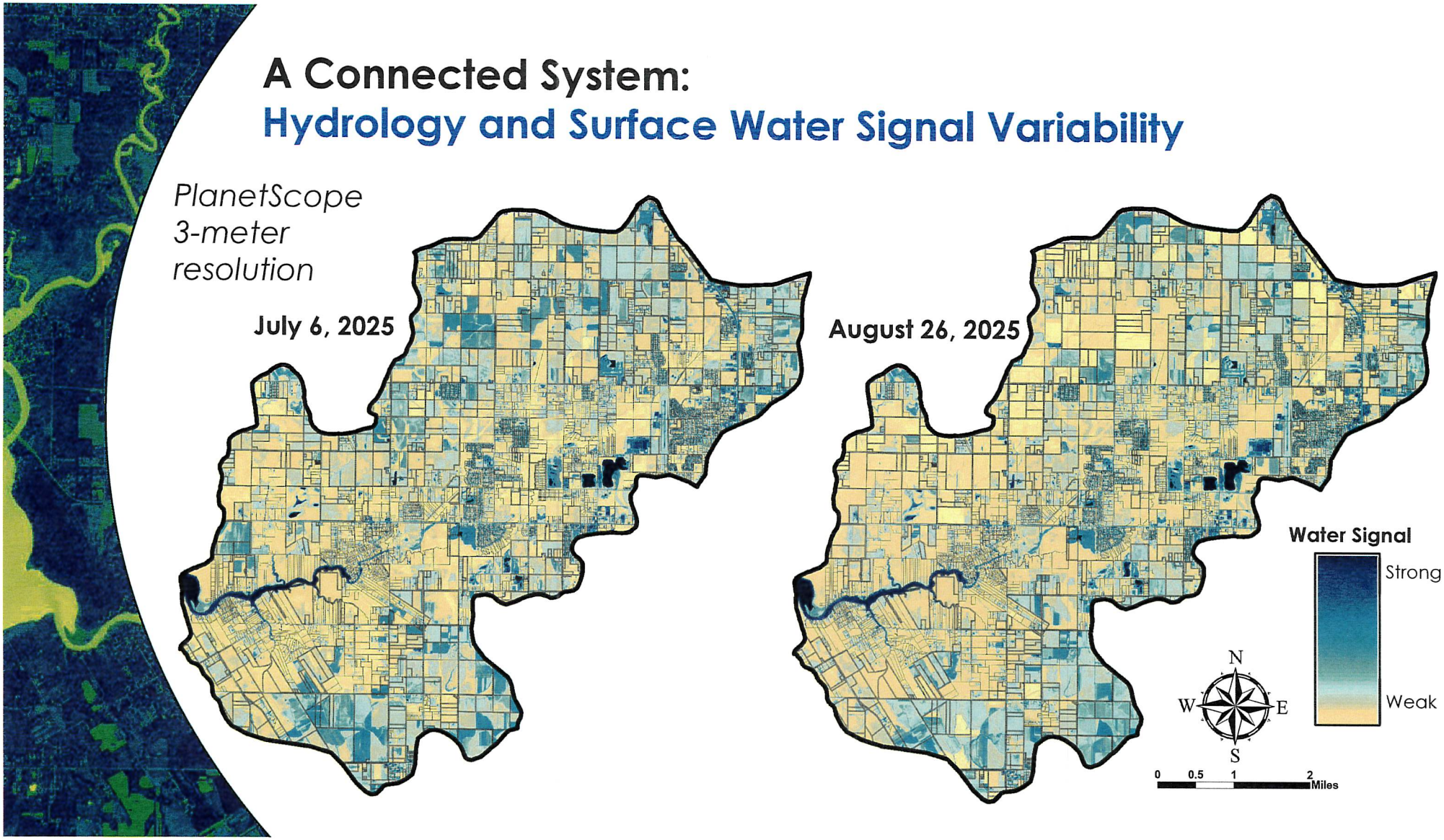
4. **Evaluate groundwater withdrawal and recharge dynamics** using remotely-derived indicators and ancillary datasets to assess seasonal and long-term groundwater stress.

5. Develop a **decision-support ordinance** and **supporting visualizations** to inform watershed management, planning, and stakeholder engagement efforts.

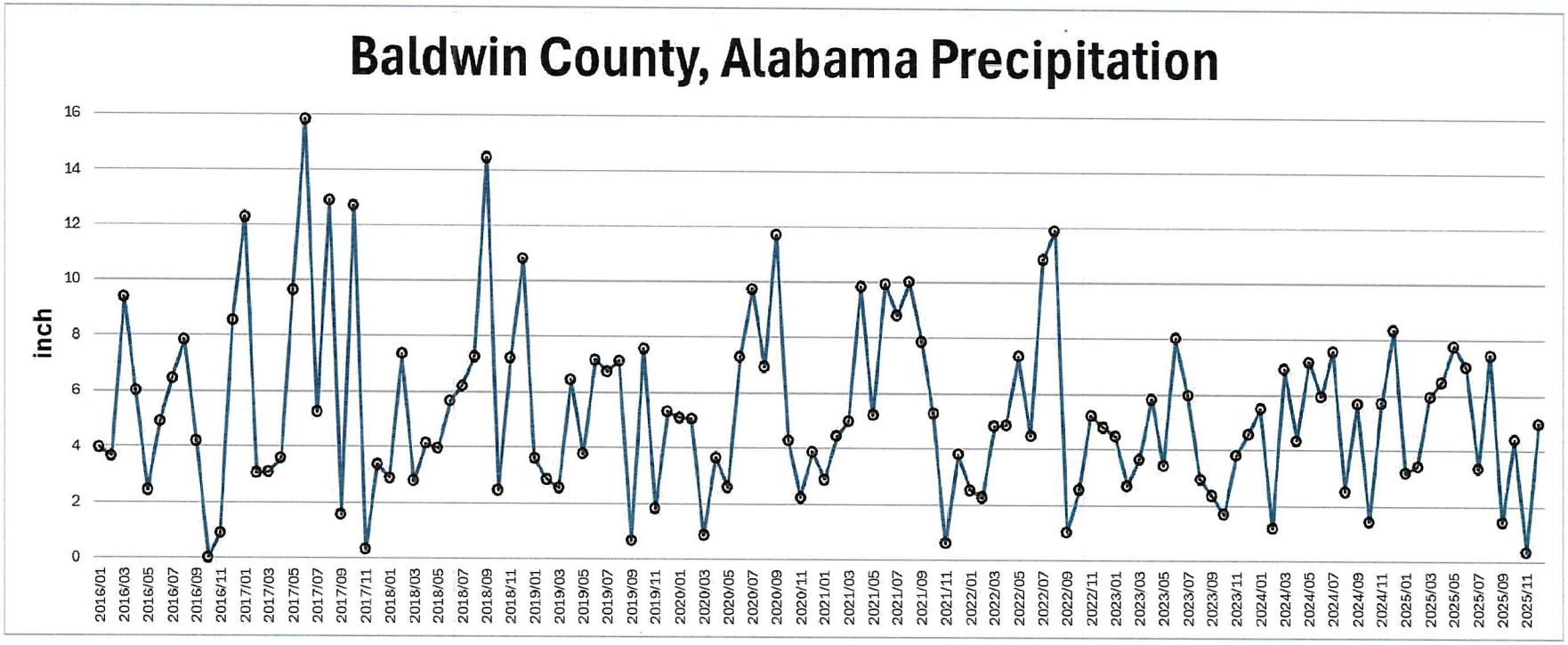


A Connected System:
Hydrology and Surface Water Signal Variability

PlanetScope 3-meter resolution



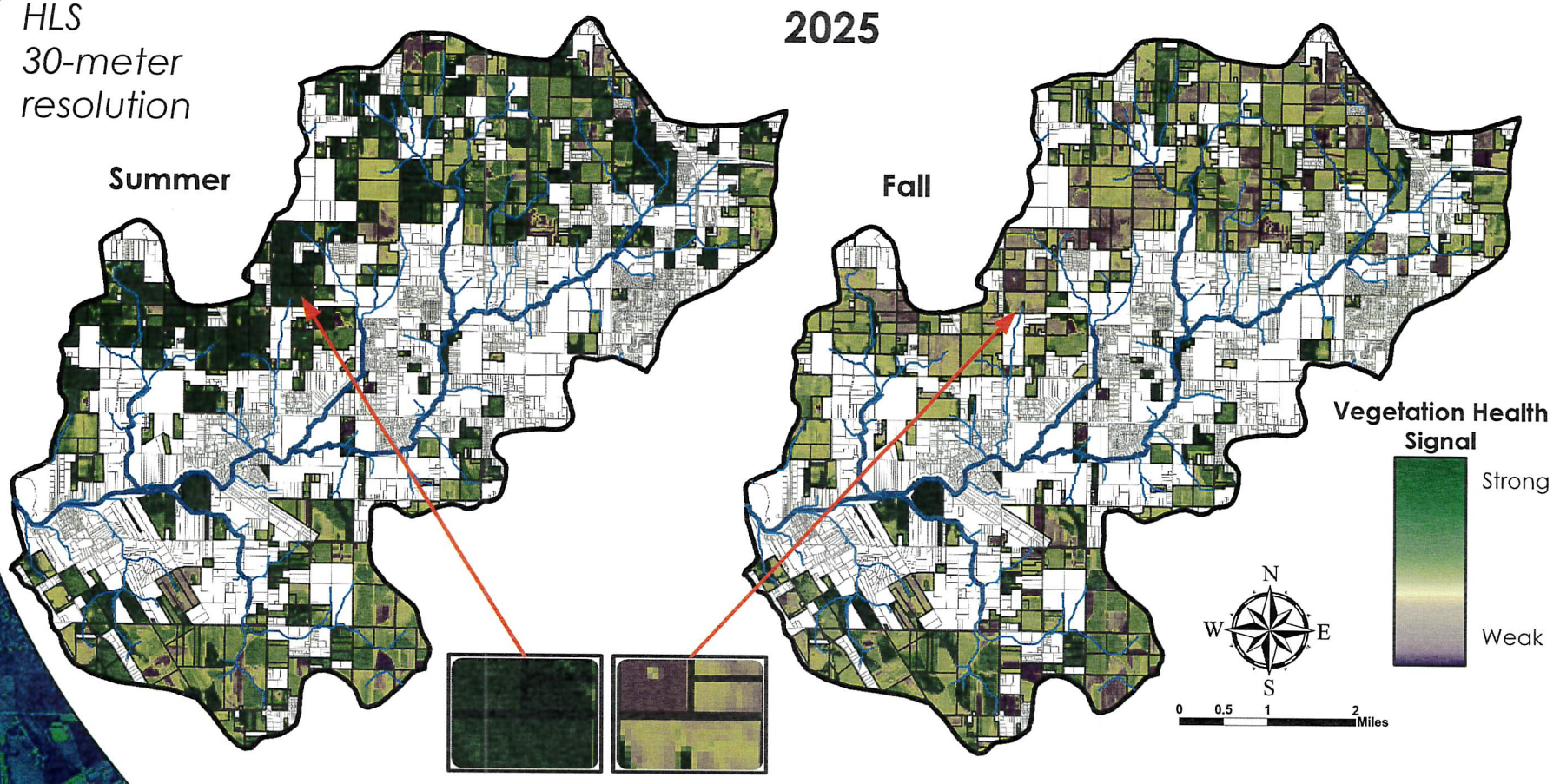
A Connected System:
Monthly Precipitation Patterns



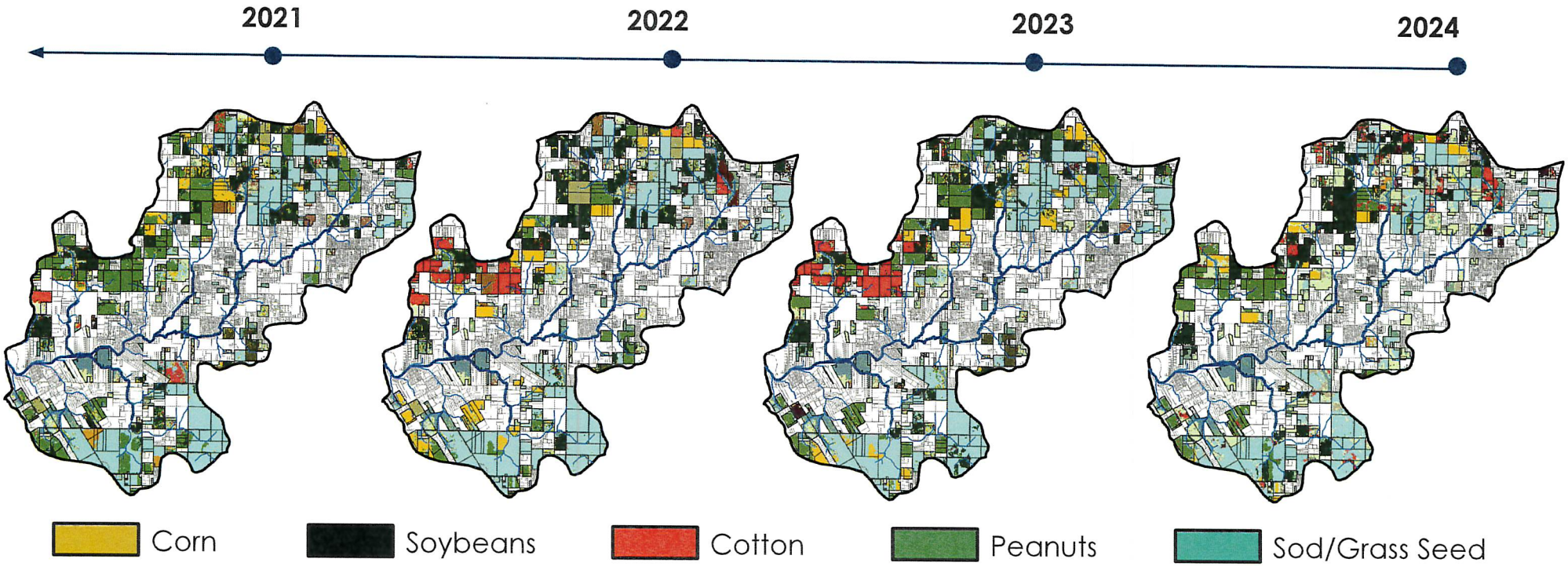
Understanding how precipitation, water signals, and water demand influence watershed hydrology and water quality.

A Connected System:
Irrigation Practices, Vegetation Health, and Groundwater Use

HLS
30-meter
resolution



A Connected System:
Crops Grown Overtime



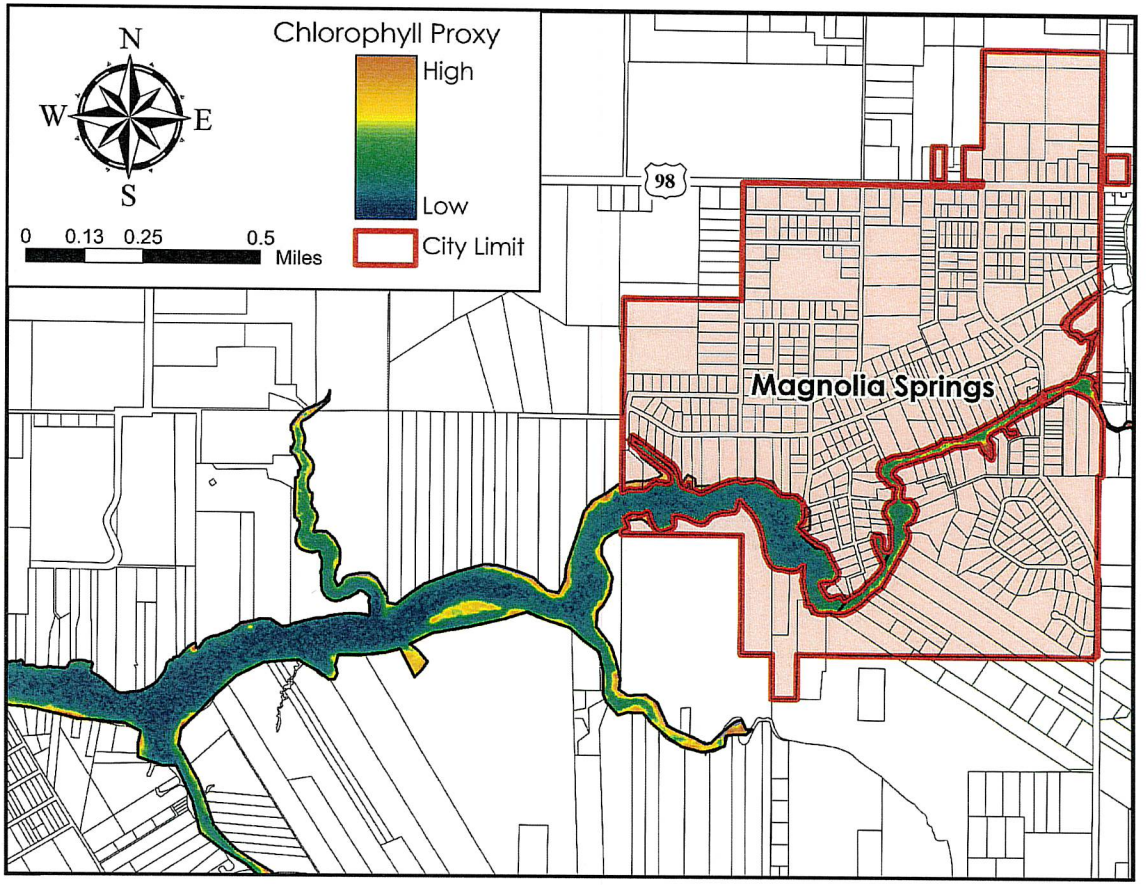
Understanding the relationship between crop types and the strength and variability of water and vegetation signals across the watershed during irrigation season.

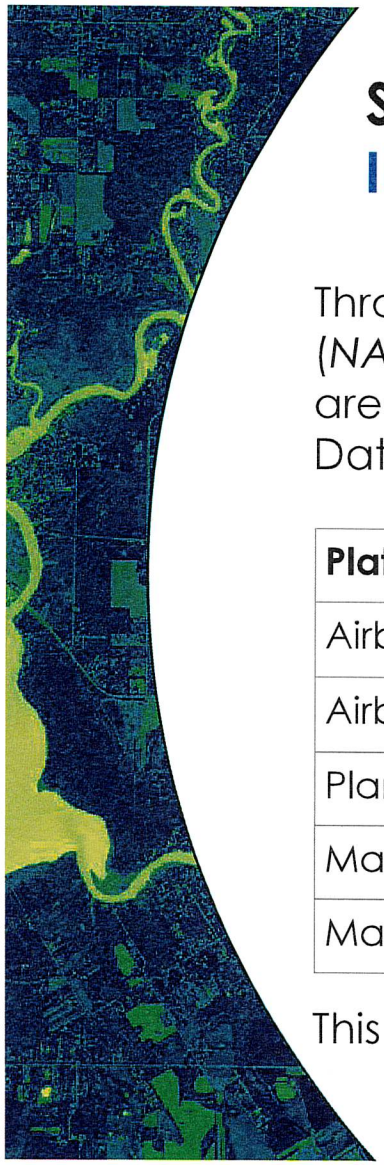


A Connected System:
Water Quality and Pollution Indicators

chlorophyll, **turbidity**, and **suspended sediment** indicators could provide a spatially continuous, repeatable measurements on runoff, pollution, and sedimentation dynamics, allowing long-term assessment of water quality conditions and change in the Magnolia River and Weeks Bay.

PlanetScope 3-meter resolution





Seeing the Whole Picture:
Integrating Satellite and Commercial Small-Sat Data

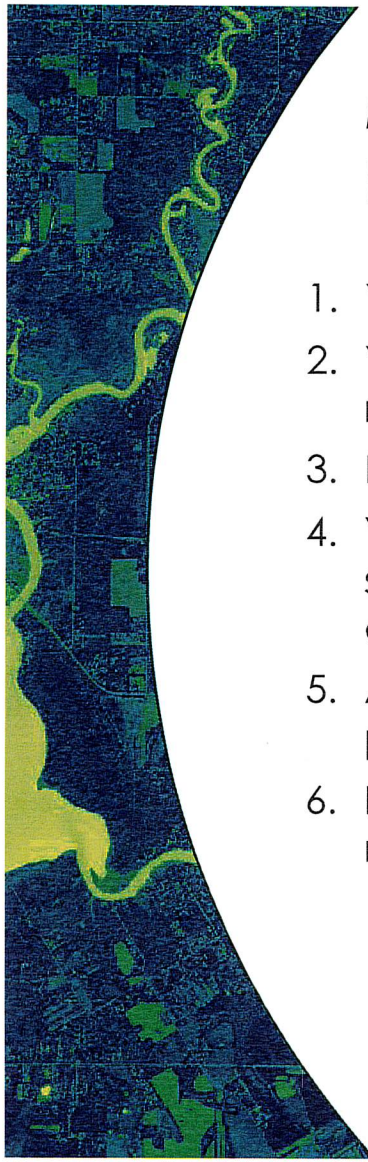
Through the NOAA grant (*NA25NOSX419C0058;PALS-CZM-26-1*), the following datasets are available for our use via NASA's Commercial Satellite Data Acquisition (CSDA) program.

Platform	Sensing	Resolution	Application
Airbus U.S./Pleiades	Optical	<1-meter	Land/Water
Airbus U.S./TerraSAR-X	SAR	1-40-meter	Groundwater
Planet/PlanetScope	Optical	3-meter	Land/Water
Maxar/WorldView-4	Optical	1.24-meter	Land/Water
Maxar/IKONOS	Optical	3.2-meter	Land/Water

CSDA

Commercial Satellite Data Acquisition Program

This is in addition to publicly available datasets, e.g., HLS (optical) series.



Moving Forward Together: How You Can Support This Effort

1. Your scientific expertise and familiarity with hydrological modeling
2. Your local knowledge and on-the-ground experience within the river/watershed
3. Datasets you are able to share that could meaningfully support this effort
4. Your knowledge of the **Pliocene-Miocene** and **Alluvial-Coastal** aquifer systems, and your guidance on effective methods and data sources for evaluating their condition.
5. Availability of groundwater data (active or static readings) beyond what is publicly accessible through GSA / Alabama WaterStar
6. Recommendations on locations or time periods that should be examined more closely during data collection and analysis

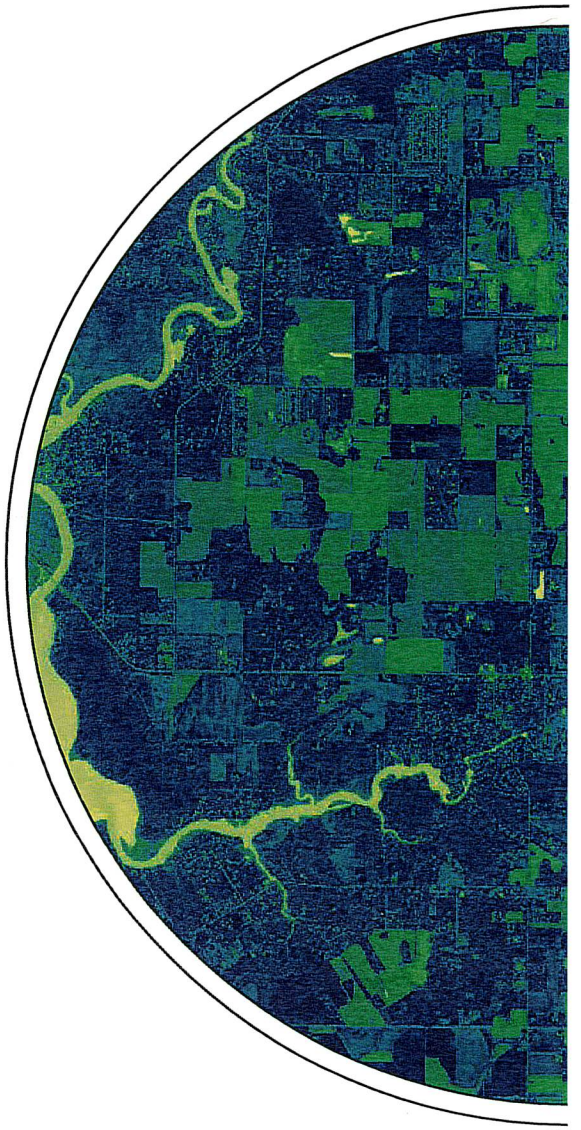
   Are we looking at the right window of time?

   a. Irrigation/Wet Season (Late May-August)

   b. Harvesting/Dry Season (September-December)

What Are We Missing?
Open Discussion and Key Questions

Thank you for listening!



Ashley Campbell

From: Mary Kate Brown <mkbrown@tnc.org>
Sent: Wednesday, January 7, 2026 2:18 PM
To: Ashley Campbell
Subject: RE: SUNS Workshop

This message has originated from an External Source. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

HI Ashley – Happy New Year!

We will be planning January 27th starting at 10am for workshop through 3pm. Lunch included. It will be at the Lillian Volunteer Fire Station – where we held the steering committee meetings for Western Perdido Bay. More details to come!

Cheers,
MK

Mary Kate Brown
Assistant Coastal Programs Director
mkbrown@tnc.org
251.316.6322 (preferred)
251.550.3728 (cell)

From: Ashley Campbell <Ashley.Campbell@baldwincountyal.gov>
Sent: Monday, December 15, 2025 10:44 AM
To: Mary Kate Brown <mkbrown@tnc.org>
Subject: SUNS Workshop

I have something each schedule for all 3 days in the morning. An afternoon meeting would be best for me....If not, I will attend but will be late....thanks for all you do...Merry Christma...

Ashley Campbell
Baldwin County Planning & Zoning Department
Natural Resource Planner
201 East Section Ave
Foley, AL 36535
ashley.campbell@baldwincountyal.gov
Office: 251-580-1655 Ext 7260
Cell: 251-423-3632

SUNS Perdido Workshop 3 Notes
1/27/2026
Lillian Volunteer Fire Department
10 AM - 3 PM

- Attendees:
  - Joy Brown (Northwest Florida Sentinel Landscape)
  - Sam Pitts (Pensacola and Perdido Bays Estuary Program)
  - Steve Opalenik (Naval Air Station Pensacola)
  - Will Underwood (Alabama Department of Conservation and Natural Resources)
  - Woody Speed (City of Orange Beach)
  - Chris Head (Porch Creek Indian/Town of Perdido Beach)
  - Patan Gaze (Florida Department of Environmental Protection)
  - Janet Larson (Western Perdido Bay Watershed Action Committee)
  - Chris Curb (Flood Defenders of the Panhandle)
  - Michael Cleveland (Western Perdido Bay Watershed Action Committee)
  - Ashley Cambell (Baldwin County)
  - James Howard (Baldwin County)
  - Travis Langen (Gulf Coast Eco Center)
  - Hope Humphries (Escambia County)
  - Whitney Scheffel (PPBEP)
  - Darryl Boudreau (Northwest Florida Water Management District)
  - Jackie Mcgonigal (City of Foley)
  - Mary Kate Brown (The Nature Conservancy)
  - Paige Lanskey (The Nature Conservancy)
  - Katie Baltzer (The Nature Conservancy)
  - Matt Posner (Pensacola and Perdido Bays Estuary Program)
  - Steven Scyphers (University of South Alabama)
  - Grace Stringer (University of South Alabama)
  - Abby Collins (University of South Alabama)
  - Lonnie Hudsan (Western Perdido Bay Watershed Action Committee)
  - Jessica Black (National Oceanic and Atmospheric Administration)
- Share-out about Living Shoreline projects
  - ADCNR & Baldwin county found a site in Josephine
  - Tarkiln Bayou shoreline – erosion issues, historical cultural values along the coastline of Tarkiln Bayou preserve. Also, bald eagle nests in the area.
    - Feeds in nicely with TNC Bronson field project
    - Intercoastal has lots of wave action– Big Lagoon State Park is just outside, maybe something to reconsider
    - Matt: If there are projects outside of the bounds, please still add them!
  - An area that has a conservation priority on the land (Sarah Wraight added), and suggested a living shoreline adjacent to that; Soldier Creek. (Joy Brown)
    - Chris Head said they were sold to land developers, so it is no longer a conservation priority

- East side of Soldier Creek (Lillian Side) – lots of boat wave action, people are losing land area.
- Paige – talk about private vs public?
  - PPBEP has a landowner cost share program.
  - MK – we need a public vs privately owned map layer
  - Paige – we can still work with private landowners!
  - Steven – hard to make a map layer for the entire bay, but if we have priority areas, we can do that!
- Lillian Recreational Park – nonprofit park, publicly available. working with GOMESA through Mobile NEP with LID.
- Lillian Park – county owned. boardwalks will be improved, but LID in the parking lot would be great!
- Hurst County Road (Along Perdido River) – block of land floods often with hurricanes and storm surge. Reduce energy coming in for storm surge.
  - Shoreline is mostly orange – what does the shoreline look like?
    - Looks like there's some bulkheads there.
- Along Lillian Highway – Riola Place – Canal/creek that runs into it. There are major storm surge problems. The channel needs to be dredged out.
  - Maybe combine with project that Joy has right next to it.
    - This site is a priority for Escambia county
- Boggy point – pretty slow development there. Boggy point is going to be revamped within the next year or two. High traffic area. Offshore breakwaters will be developed there. Geogrid pavers are around the parking area. Owned by the State. Funded through Deepwater Horizon. Not sure if funded through implementation.
  - MK – ties in with regional recreational economy.
  - There's some privately owned land right next to the parking area, if we could get some funding to fund that, it would expand recreational public access.
  - Partially managed by the City
- Intercoastal – major development coming in in Gulf Shores intercoastal. Not sure where the project stands, but there will be lots of public access, with 3 new marinas coming in. Already seeing a ton of erosion throughout the area. Good to keep it on our radar.
- Big Lagoon added – reasons for addition: recreation (boat ramp, pavilion), wildlife (Gopher tortoise habitat), cultural sites (on record with BNCR),
- Two locations in Perdido Beach – LS on the southern border, private landowners weren't consulted prior to funding being allocated, so the funding was taken back
  - South of State Street

- Request to monitor policy/future decision making
- Public Beach Access:
  - Do you include places that do not have parking (ex. Parking beaches) ?
    - Yes but these are inaccessible, our focus is on accessible sites

    - Park on 99 (washed out board walk, perdido bay recreational park) is rebuilding the boardwalk, this can be added to the route once it is open
    - Perdido bay and paper mill pollution concern
    - Data Sharing possible?
        - Yes interactive web map
        - Baldwin County wants to share data with Grace
- Future Improvement:
    - Add Parcel Layer to Maps App
    - Remove the gray color when adding a new feature
    - Email Maps app link prior to meeting
    - Clarify parcel placement reason (ex. Living shoreline vs greenspace and flood plain)
    - 10:00 - 3:00 was too long, attendees seemed to tune out around 1:00-1:30
- Action Items:
    - Email two questions to get more parcel data and
    - Email feedback survey link to those who left early
    -

SUNS Perdido Workshop 2 Notes
10/27/2025
Orange Beach Community Center
9 AM - 12 PM

- Participants present:
  - Project Team
    - Katie Baltzer
    - MK Brown
    - Matt Posner
    - Paige Lansky
    - Chris Shepard
    - Karrie Arnold
    - Grace Stringer
    - Abby Collins
  - Working Group Members
    - Ashley Campbell
    - Chris Curb
    - Darryl Boudreau
    - Christian Miller
    - Chris Head
    - Sarah Wraight
    - Woody Speed
- Menti: Which NBS types would you prioritize for SUNS consideration? (Pick 5)
  - Land Conservation
  - Living Shorelines
  - Coastal Wetlands
  - Low Impact Development
  - Riparian Buffers
    - Comments:
      - Chris Curb: Is solar power nature based?
        - Chris Shepard: Not necessarily, but NBS are flexible
      - Chris Head: Challenge in land conservation–majority of lower Perdido Bay is developed. Hard to convince people to switch out their seawalls for NBS. Huge community outreach issue.
        - Chris Shepard: Need to use the maps to figure out where this is feasible on a community level. There's limited places to do protection here. Part of this is to raise awareness of how little is left.
      - Chris Head: may cost money and votes in elections getting local gov't to buy into NBS.
        - Chris Shepard: Funding landscape is a challenge right now. There could be some low tech living shorelines that have a natural shoreline already.

- Chris Head: in Mobile Bay, can't get any funding from the state for NBS on his own property. Not pleased with the current process of things.
- Chris Curb: Escambia county has 49 hazard grant mitigation buy-outs. It's a long drawn-out process. (49 homes being bought out in Escambia county for land conservation).
    - Chris Shepard: A lot of cities and counties in the U.S. don't have the capacity to deal with buy-out. It's interesting to hear that Escambia has been successful in doing that. Another issue of buy-outs is that sometimes they don't have a plan of where the best places to do it is. Something like SUNS provides the opportunity to choose opportunity areas. Really important that y'all go back to your supervisors and elected leaders to have buy-in on the project.

- Woody Speed: running low on borrow sites in Orange Beach
- Matt Posner: for areas not in the state parks, they are privately held, which makes projects out there challenging.
- Menti: please pick your top 4 SUNS planning themes.
    - Community stormwater management
    - Greenspace in floodplain
    - Shoreline Protection & Wildlife Habitat Conservation (Tied)
    - Regional Recreation Economy
    - Other:
        - Community Outreach (Chris Head)
            - Have community meetings – the community doesn't know what they don't know; we need to communicate with them
                - Chris Shepard: What are you imaging?
            - Examples of where it's worked and how it's worked and how its affected properties.
                - Chris S: Living shorelines or what other types of projects?
            - Living shorelines mostly. They want to see how it's going to positively impact their parcel.
- Map App
    - Questions/Discussion
        - Working Group Member (Chris Curb): The boundary for the watershed does not encompass all of the watershed in Alabama.
            - Working Team Member (Chris and Mary Kate): We are focusing on coastal areas (we defined boundaries) based on the closest watersheds around the bay.
        - Working Group Member(Chris Curb): 11 Mile creek is a priority location, by 9 mile road and interstate (example for adding a priority location in the maps app).

- Chris Curb is with the Flood Defenders Panhandle and Escampia County past employee.
- Location title: 11 mile creek restoration project.
- The reason is flooding and erosion. A stream restoration evaluation has already been done, they are working on a project but they don't have enough money. Habitat restoration would also be good because they are doing biops and they are going to lay black those banks. This is a costly plan. Getting the permit will be difficult
    - Working Team Member (Karrie): This is good to represent some projects in process. We want a three sentence description, you can add more.

- Working Group Member (Chris Curb): Can you update a created parcel?
    - Working Team Member (Karrie): I will go on the back end and delete the example, please create a new feature to correct it.
- Working Group Member (Woody): Some Parcel data is not accurate and privately owned.
    - Working Team Member (Karrie and Grace): This data may be out of date and will be updated in January.
- Working Group Member (Ashley?): Do you want the County Layers/ Parcel information? You can just fill out a form. We have a layer of Baldwin County's own Parcel. You can sort these. We are trying to create a layer for conservation for our master plan. We can share our most recent NEPORT (all national estuaries programs do this annually).
    - Working Team Member (Mary Kate, Karrie, Grace): Yes, reach out to Grace, we are just starting this. This will help private v public and drive priority layers. We used PADus but this has some info we don't want to share.
- Priority Location Additions:
    - Matt Posner: Bronson Field, Escambia County Sunset Islands Restoration
    - Woody Speed: Bear Point
        - Subject of a drainage study to help address flooding in the area
    - Woody Speed: Conservation Corridor Initiative
        - Use Environmentally Sensitive Lands Model to identify parcels that are contiguous with conservation and acquire those properties.
        - Want to expand this from the beach to north of the intercoastal.

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SCALING UP NATURE-BASED SOLUTIONS

Building Capacity and Partnerships to Plan and Implement a Portfolio of Nature-Based Coastal Resilience Actions in the Perdido Watershed

The Nature Conservancy

NOAA

PENSACOLA & PERDIDO BAYS ESTUARY PROGRAM

USA





AGENDA

WELCOME & INTRODUCTIONS

SUNS OVERVIEW with TIMELINE

NBS OVERVIEW WITH HAZARDS

SUNS PLANNING THEMES DISCUSSION

INTRODUCTION TO SUNS MAP APP

QUESTIONS

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SCALING UP NATURE-BASED SOLUTIONS

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Icebreaker

What is your favorite FALL activity or memory?



SUNS Project team

SCALING UP NATURE-BASED SOLUTIONS



Judy Haner
The Nature Conservancy



Matt Posner
Pensacola and Perdido Bays Estuary Program



Steven Scyphers
University of South Alabama



Mary Kate Brown
The Nature Conservancy



Paige Lansky
Pensacola and Perdido Bays Estuary Program



Grace Stringer
University of South Alabama



Katie Baltzer
The Nature Conservancy



Chris Shepard
The Nature Conservancy



Karrie Arnold
The Nature Conservancy

The Nature Conservancy

NOAA

PENSACOLA & PERDIDO BAYS ESTUARY PROGRAM

USA

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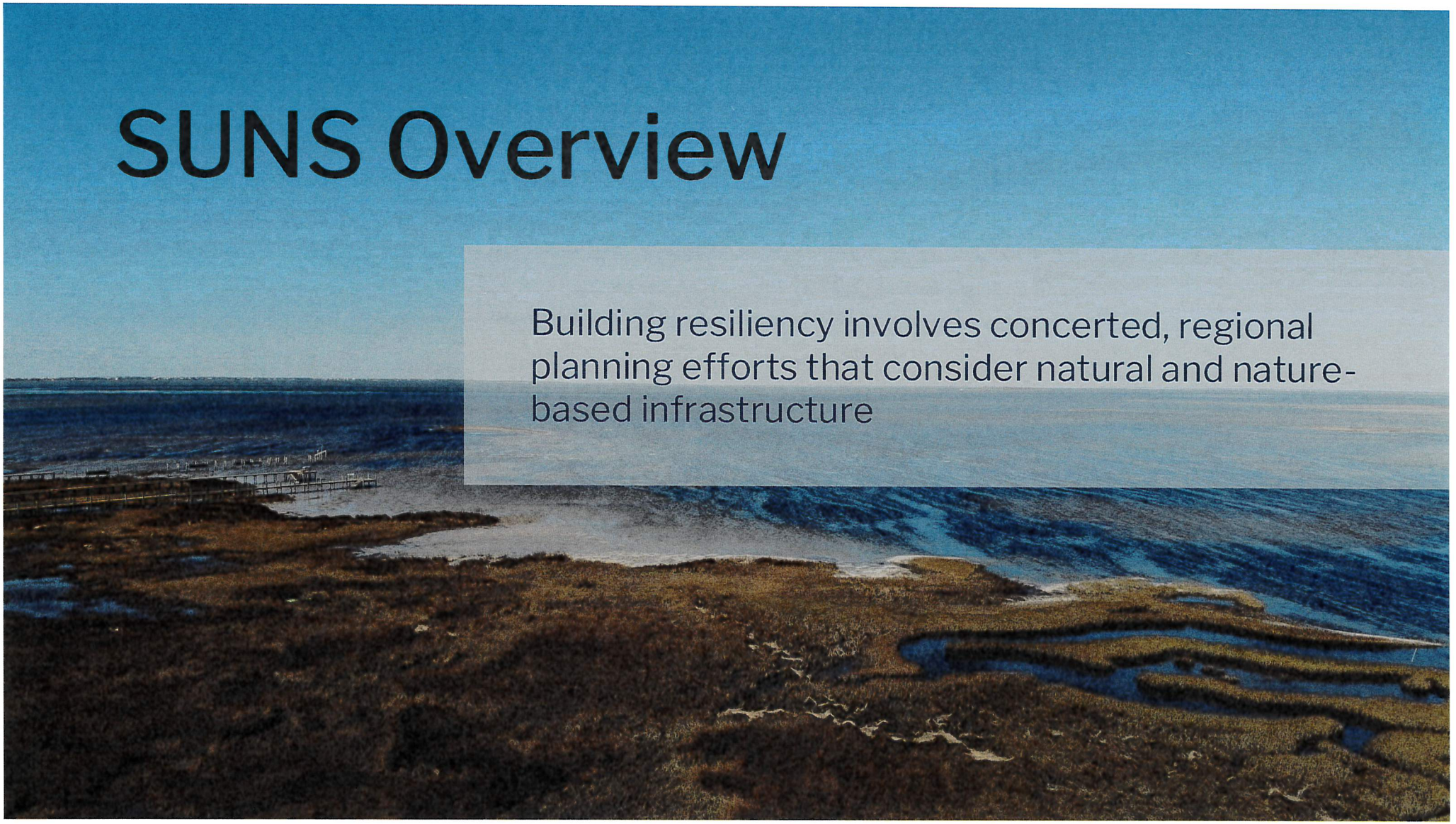
Working Group Members

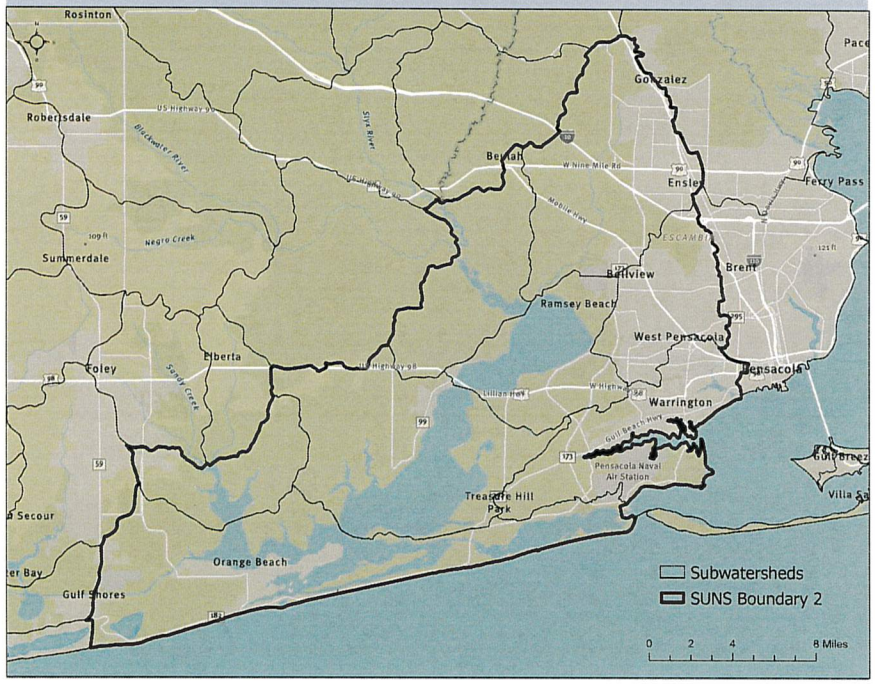
Agency/Organization	Member
Escambia County	Chips Kirschenfeld, Tim Day
NWFWMD	Darryl Boudreau
Flood Defenders – Panhandle	Chris Curb
NW FL Sentinel Landscape	Joy Brown
FDEP Tarkiln Bayou State Park	Kiersten Wilson
Santa Rosa Band of the Lower Muscogee Tribe	Chief Dan Helms*
International Paper	Whitney Fike
NAS Pensacola	Steve Opalenik*
Emerald Coast Regional Council	Eric Christianson
AL DCNR	Will Underwood/TBD*
Baldwin County	Ashley Campbell
City of Orange Beach	Woody Speed
Town of Perdido Beach	Mayor Jimmy Street
Western Perdido Bay Watershed Action Committee	Mike Cleveland*
Gulf Coast Center for Ecotourism and Sustainability	Travis Langen
South AL Regional Planning Council	Nicole Taylor, Sarah Wraight, Chastidy Piper
Mobile Bay National Estuary Program	Christian Miller
Stantec	Carl Ferraro
Poarch Band of Creek Indians	Chris Head

SUNS Overview



Building resiliency involves concerted, regional planning efforts that consider natural and nature-based infrastructure

SUNS Perdido Project Goals



1. Provide local government staff, planners, and communities with **decision-making knowledge and tools** to inform the use of nature-based solutions

2. Develop and facilitate a **regional, stakeholder-based planning process** to create a **prioritized portfolio of nature-based solution investments** across the project area

3. Encourage adoption and implementation of the portfolio by providing **technical assistance and capacity building support**

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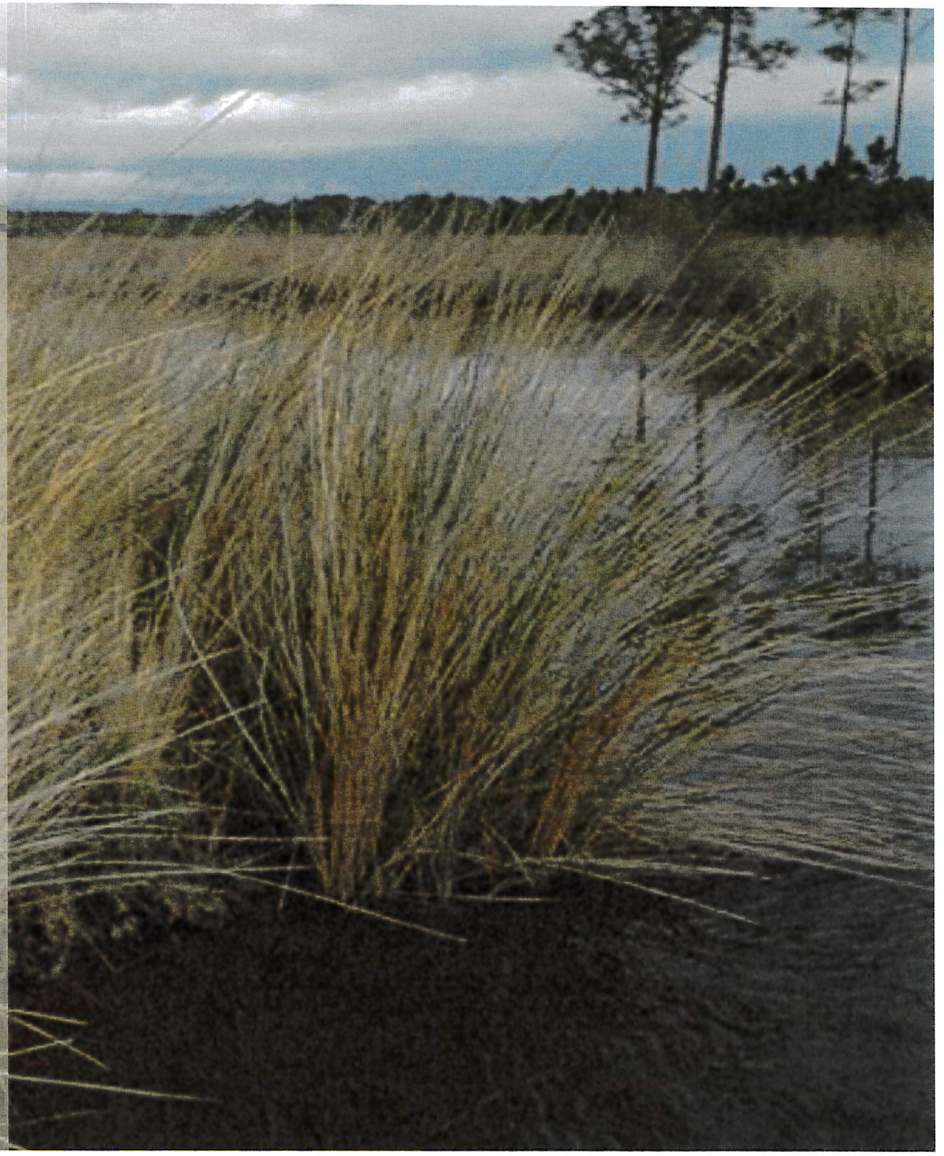
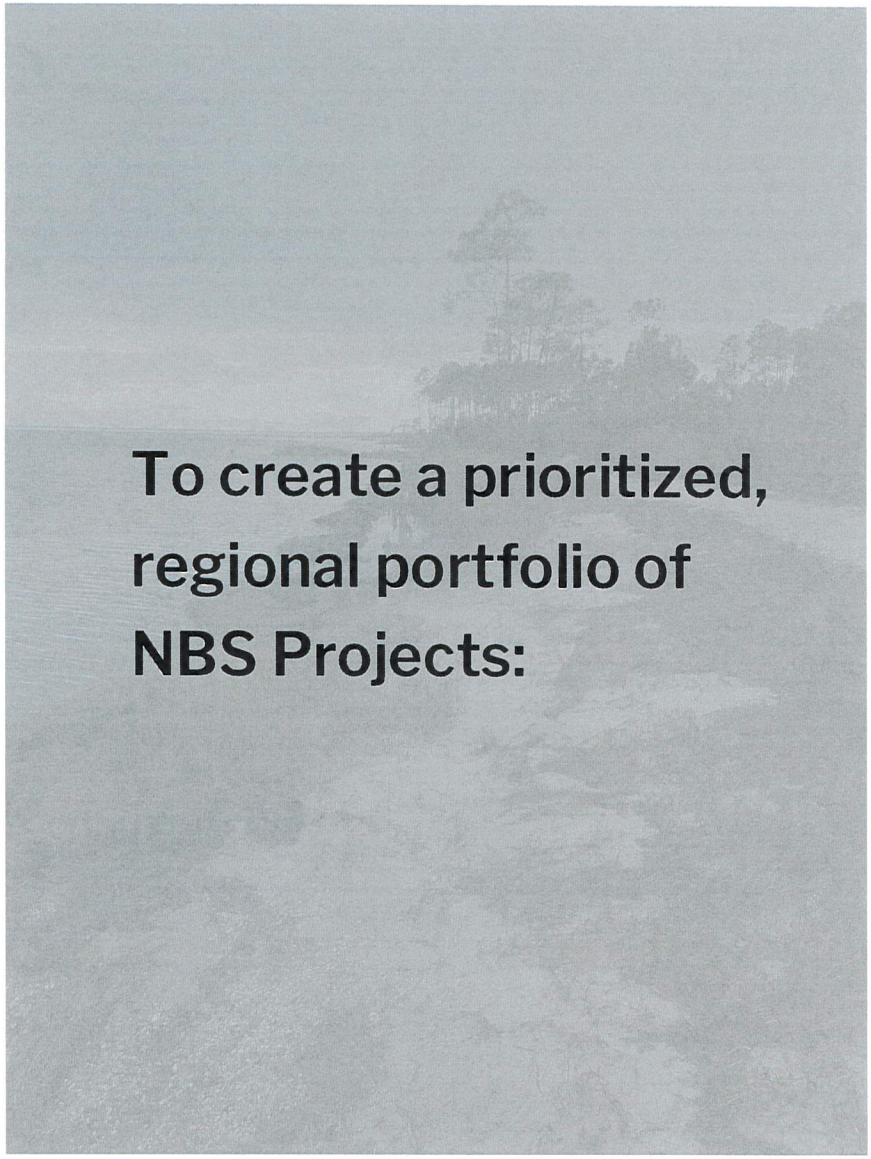
Working Group Purpose

1. **Advance resilience planning** in the Perdido watershed by **facilitating increased coordination** across jurisdictions and agencies
2. **Identify potential projects** and opportunities for policy-change to **support nature-based resilience solutions**





To create a prioritized, regional portfolio of NBS Projects:

The working group will define -

1. The **types of NBS** that are locally appropriate and feasible within the region

2. **Selection criteria** for prioritizing NBS projects

3. The **specific types, locations, and projects** that should be prioritized

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Objectives

1. Central map of existing planning efforts and/or projects with a NBS component in the Perdido watershed project area (i.e. NEP WMPs, Municipal and County Plans, DoD Plans, Hazard Mitigation Plans, etc.)
2. List of NBS project types for SUNS consideration
3. List of potential projects and project locations
4. NBS project selection criteria that reflects Working Group members' strategic priorities
5. Prioritized portfolio of NBS project recommendations for Perdido watershed project area

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Expectations

Working Group members will contribute through:

1. Strategy Development
2. Participation
3. Leadership + Outreach

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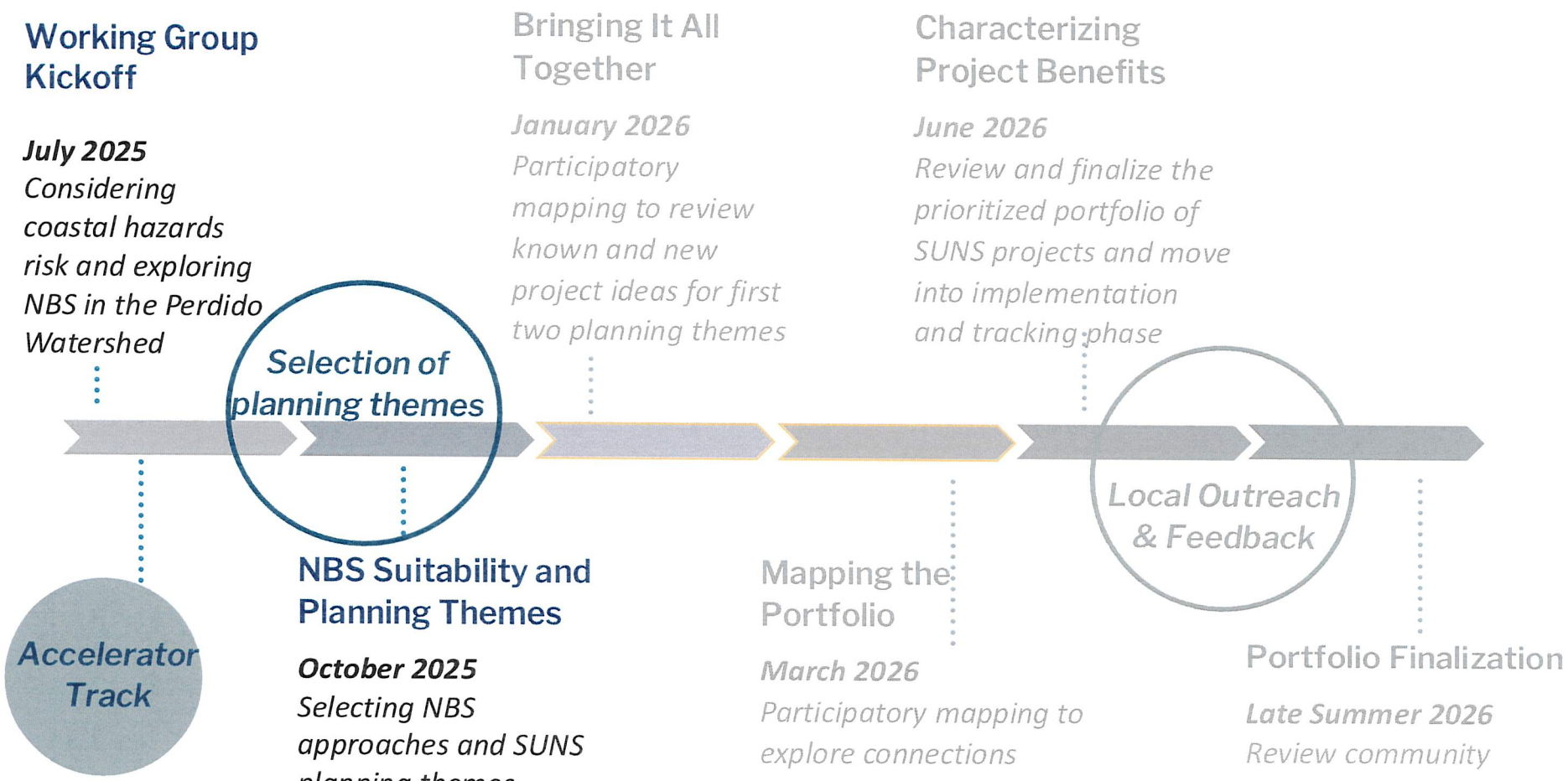
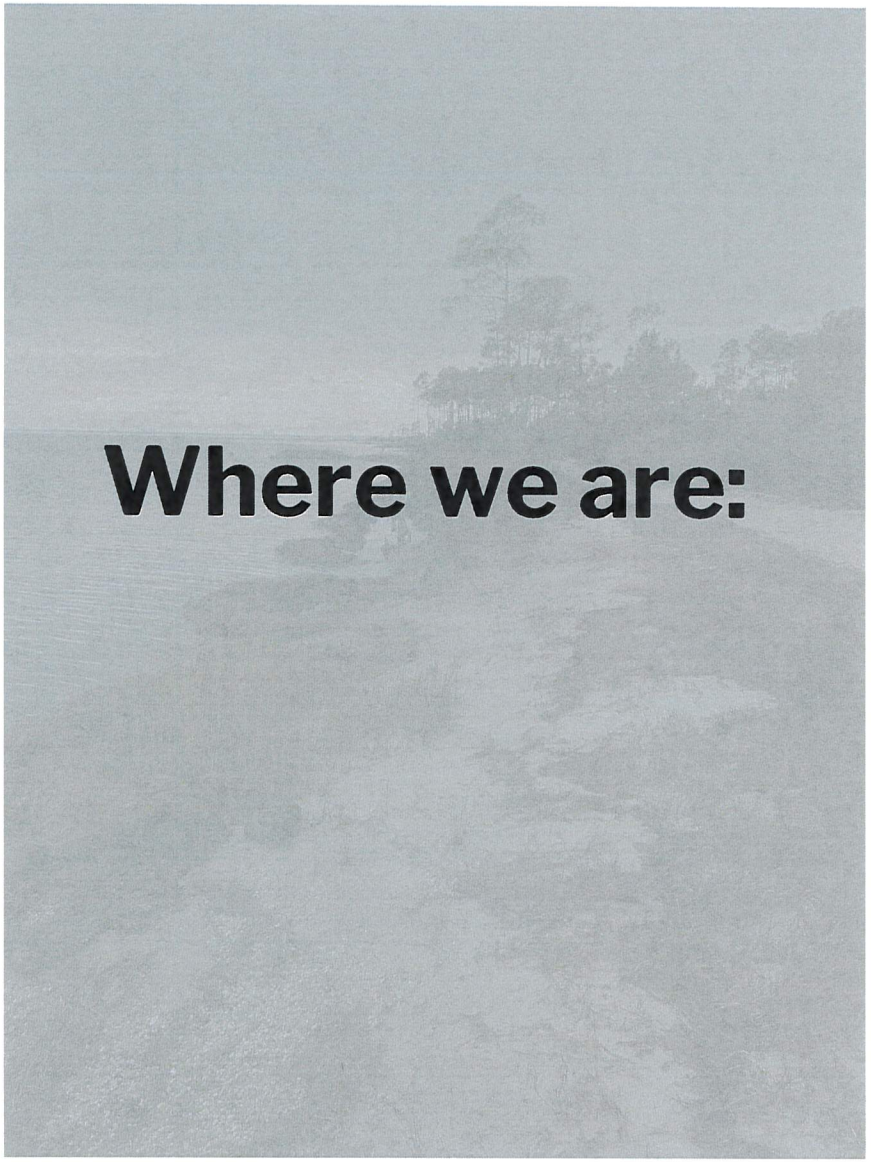

Working Group Kickoff
July 2025
Considering coastal hazards risk and exploring NBS in the Perdido Watershed
Selection of planning themes
Accelerator Track
NBS Suitability and Planning Themes
October 2025
Selecting NBS approaches and SUNS planning themes, Identifying priority locations for the Working Group.
Bringing It All Together
January 2026
Participatory mapping to review known and new project ideas for first two planning themes
Mapping the Portfolio
March 2026
Participatory mapping to explore connections across 2 more planning themes and draft the SUNS Portfolio
Characterizing Project Benefits
June 2026
Review and finalize the prioritized portfolio of SUNS projects and move into implementation and tracking phase
Local Outreach & Feedback
Portfolio Finalization
Late Summer 2026
Review community feedback, finalize selection of portfolio projects



Where we are:

1. **SUNS Working Group Workshop 1**

   July 2025

2. **SUNS Working Group Workshop 2**

   October 2025

   - Hazards facing Perdido Watershed
   - Interests & Priorities for specific NBS types
   - Selecting SUNS Planning Themes
   - Intro to the SUNS Map App

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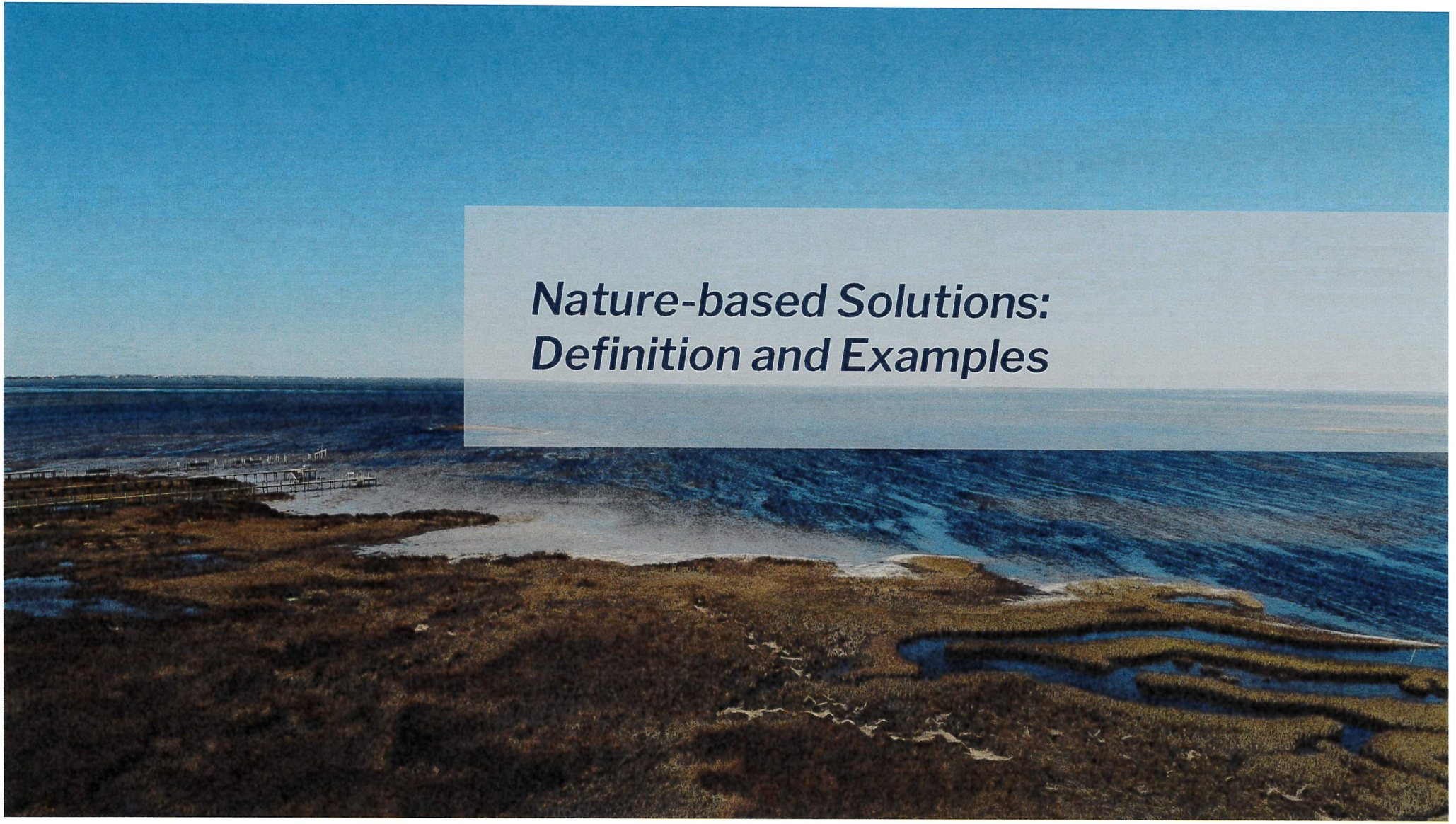
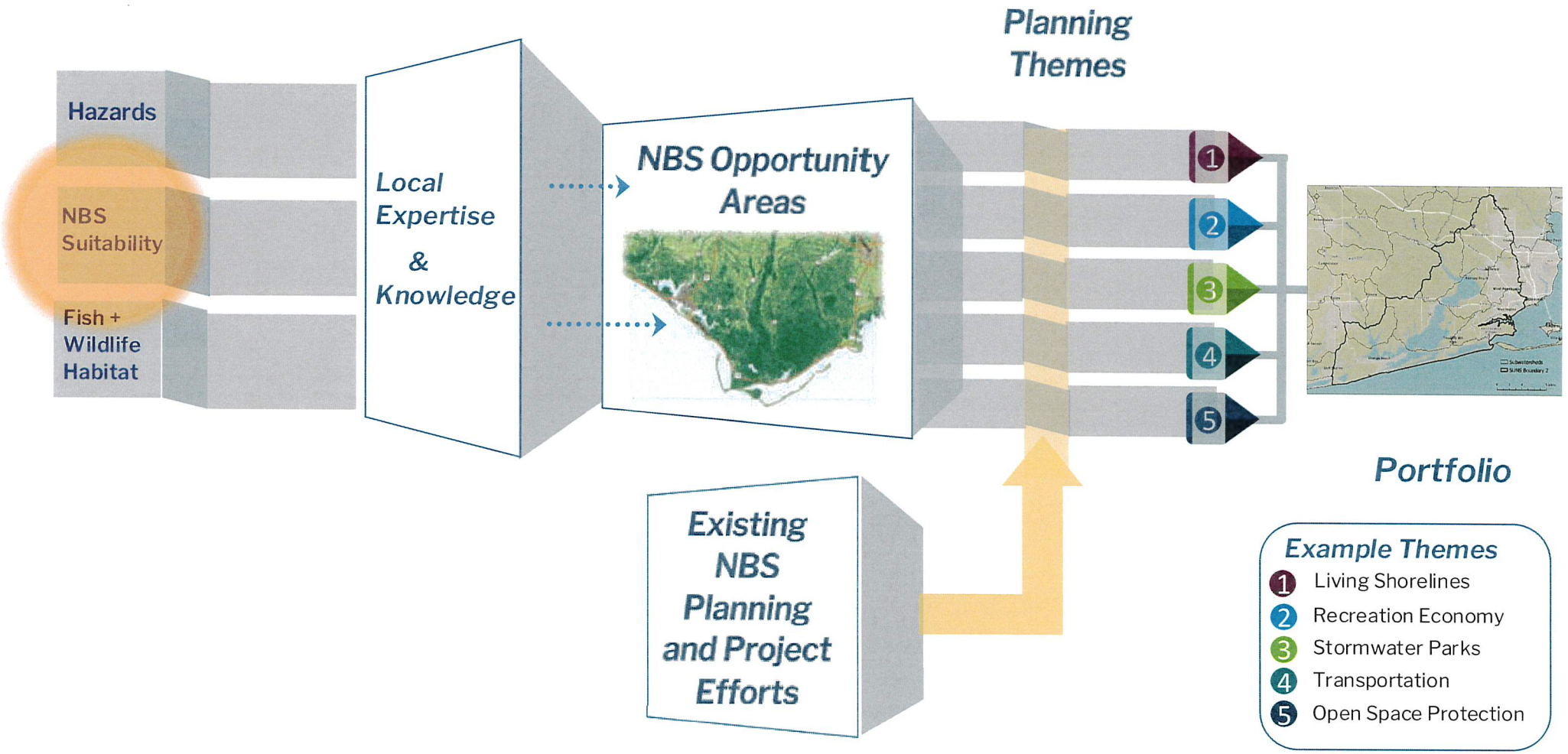
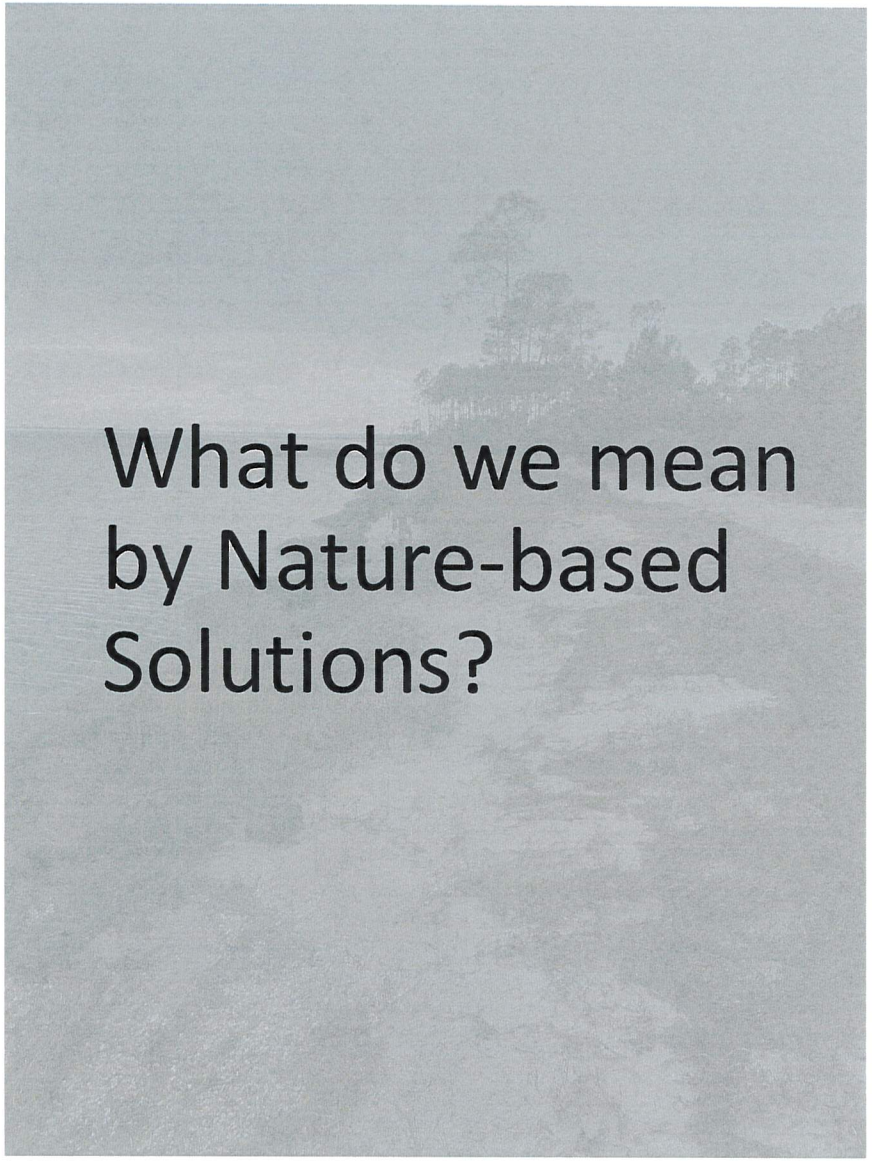
SCALING UP NATURE-BASED SOLUTIONS


Nature-based Solutions:
Definition and Examples

SUNS Portfolio Development Process





What do we mean by Nature-based Solutions?

Nature-Based Solutions (NBS) are **actions to protect, conserve, restore, sustainably use and manage natural or modified** terrestrial, freshwater, coastal and marine **ecosystems**, which **address social, economic, and environmental challenges** effectively and adaptively, while simultaneously **providing human well-being, ecosystem services and resilience and biodiversity benefits.**

Examples of NBS include:

- Protecting the floodplain from development
- Building Living Shorelines to Stabilize the Shoreline
- Restoring coastal wetlands
- Creating stormwater wetland parks

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What types of projects are Nature-based Solutions?

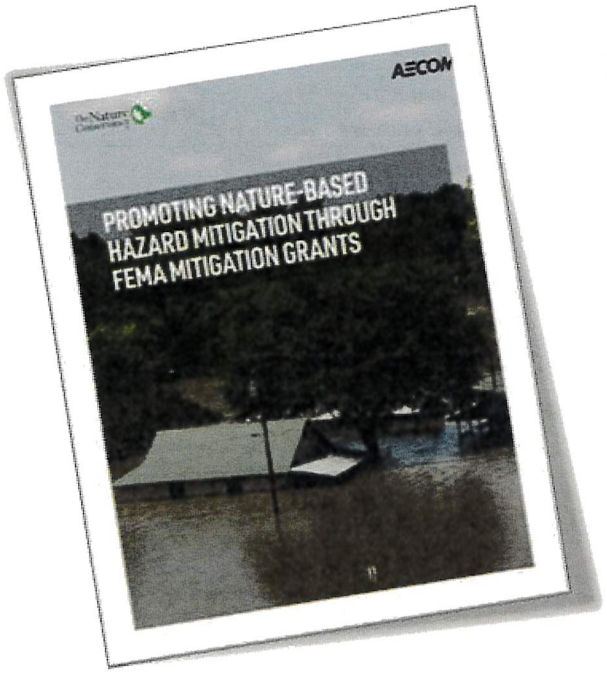

TABLE 3-2. EXAMPLE INDIVIDUAL MITIGATION PROJECTS BY HAZARD T

Scale	Setting	Riverine/Urban Flooding	Coastal Flooding
Watershed/ Landscape	More Urban ↓ More Rural	• Greenways • Culvert Upgrades • Daylighting • Low Impact Development • Stormwater Parks • Riparian Buffer • Stream/River Restoration • Horizontal Setback Levee • Floodplain Restoration • Dam Removal • Land Conservation	• Culvert Upgrades • Waterfront Parks • Beach Parks* • Tidal Circulation • Living Shorelines • Channel Restoration • Beaches and Dunes* • Coral Reef Restoration • Coastal Wetlands Restoration (Marsh, Mangroves) • Land Conservation

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What are the co-benefits of Nature-based solutions?



TABLE 4-2. ECONOMIC, COMMUNITY, AND ENVIRONMENTAL BENEFITS OF NBS

Economic Benefits	*Community Benefits*	*Environmental Benefits*
• Appreciating property values • Energy conservation • Increasing retail business • Reduced stormwater treatment costs	• Recreation • Aesthetics and placemaking • Reduced urban heat-island effect • Improved physical and mental health • Greenhouse gas sequestration	• Air and water quality improvements • Reduced nitrogen and phosphorus/ nutrient cycling • Erosion control • Pollination • Habitat creation/ connection • Groundwater recharge

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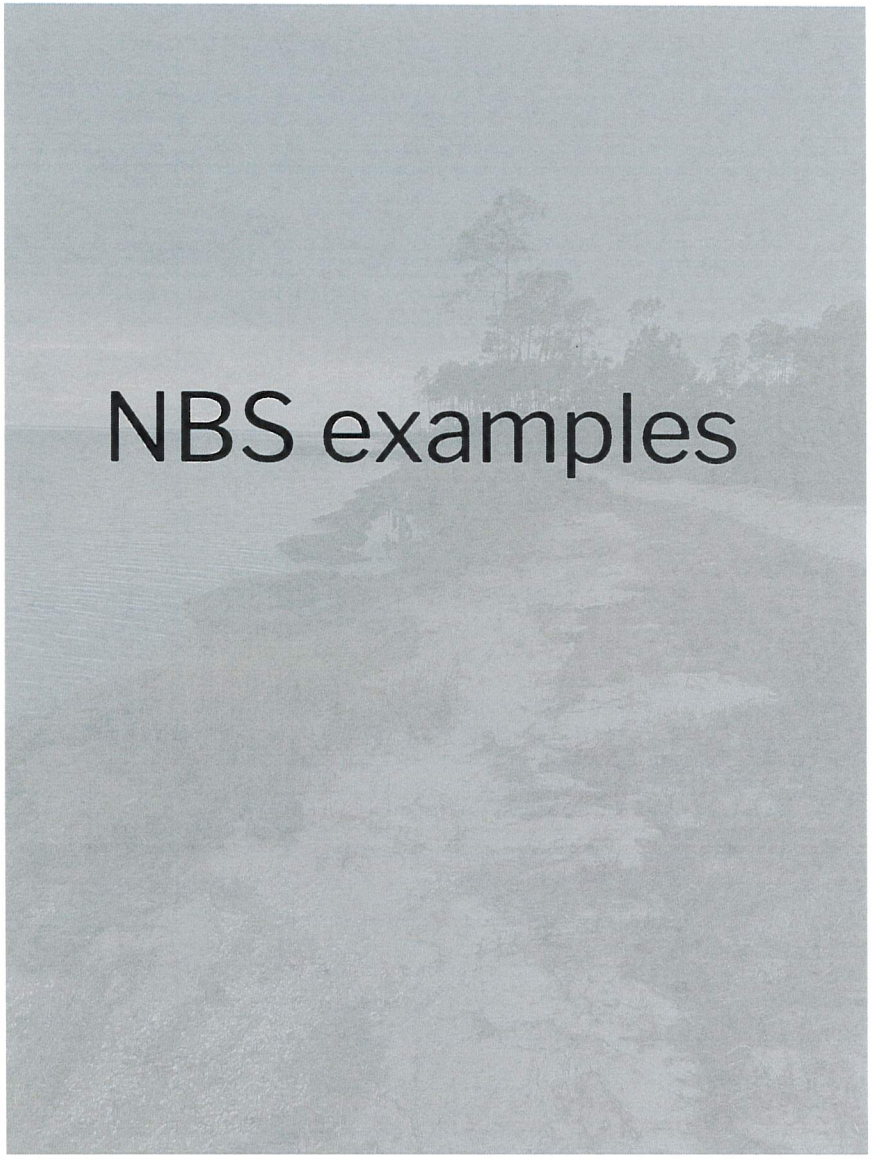

NBS examples

1. Project Greenshores II
2. Lower Perdido Islands Restoration Project
3. Admiral Mason Stormwater Park
4. Innerarity Island Wetland Conservation

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Project Greenshores II

Location: Pensacola, Pensacola Bay

Type of NBS: Habitat restoration

Hazards reduced: Coastal erosion

Benefits to people and nature: 6 to 8 acres of salt marsh and 4 acres of reef along the urban shoreline; habitat connection/creation; protecting infrastructure

Year Conserved: 2023



Photo by Darryl Boudrea

Lower Perdido Islands Restoration

Location: Bird and Walker Islands, Orange Beach

Type of NBS: Coastal Habitat Restoration

Hazards reduced: Coastal erosion

Benefits to people and nature: 30 acres of coastal habitat restored and enhanced; recreational space improved; habitat connection & creation; protecting waterfront properties

Year Restored: 2025



Photo by Moffatt & Nichol

Innerarity Island Wetland Conservation

Location: Innerarity Island, Perdido Bay

Type of NBS: Wetland conservation

Hazards reduced: Coastal erosion

Benefits to people and nature: 101 acres of coastal wetlands conserved

Year Conserved: 2024

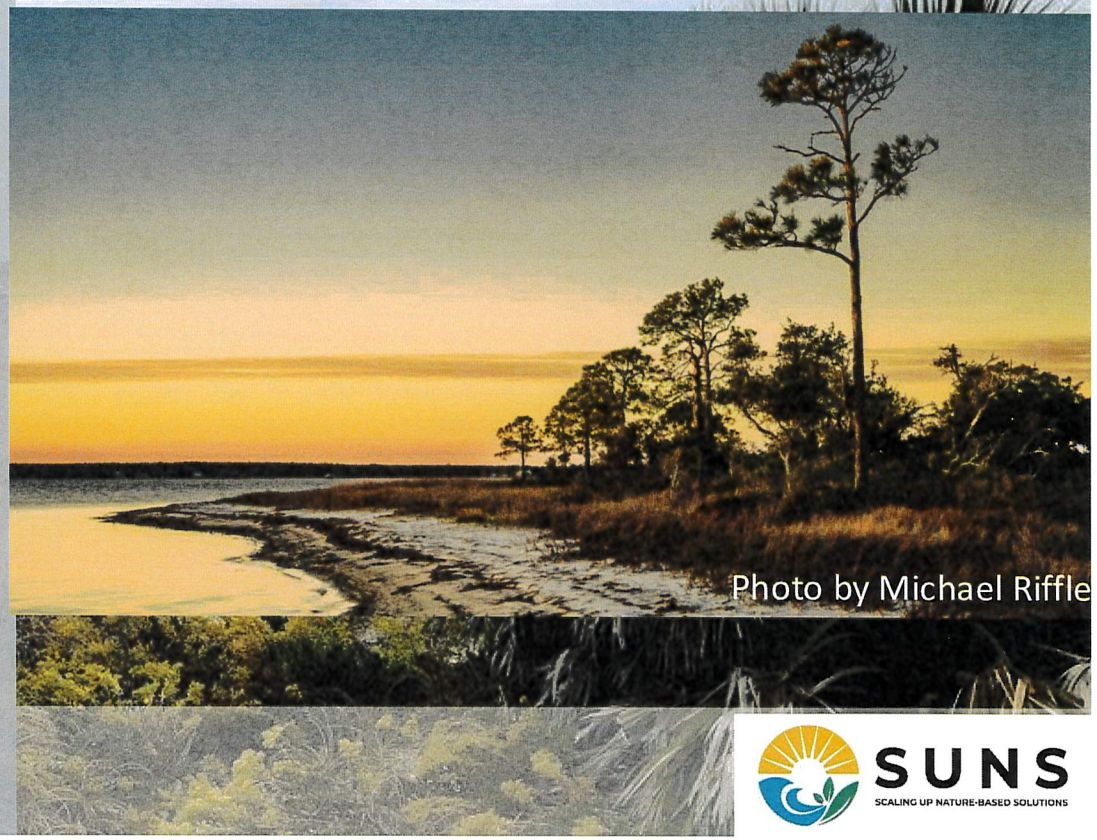

Photo by Michael Riffle

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Admiral Mason Stormwater Park

Location: Downtown Pensacola

Type of NBS: Stormwater Park

Hazards reduced: Flooding

Benefits to people and nature: Improves water quality; creates recreational opportunity

Year Built: 2012



Photo by Darryl Boudreau

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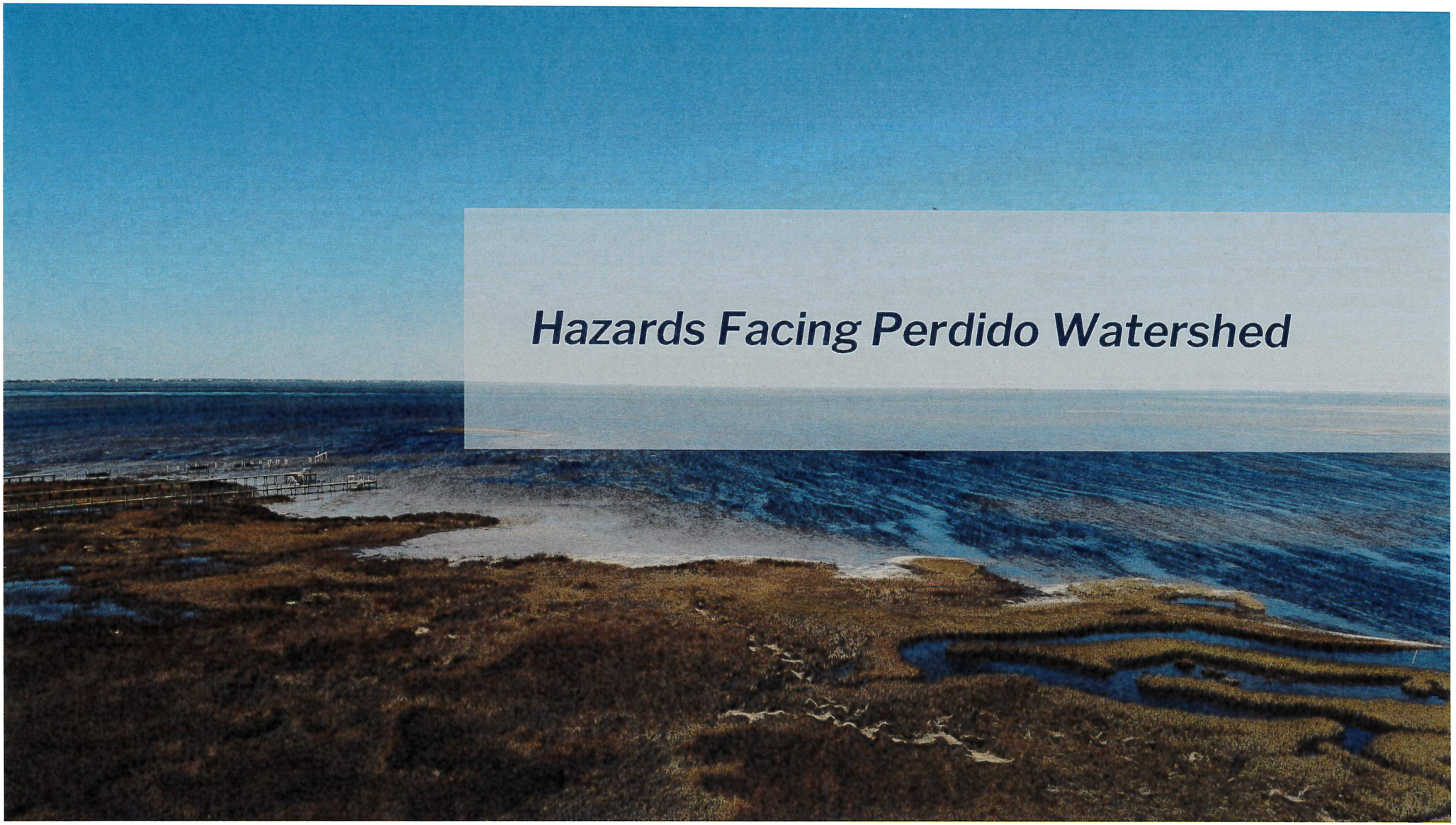
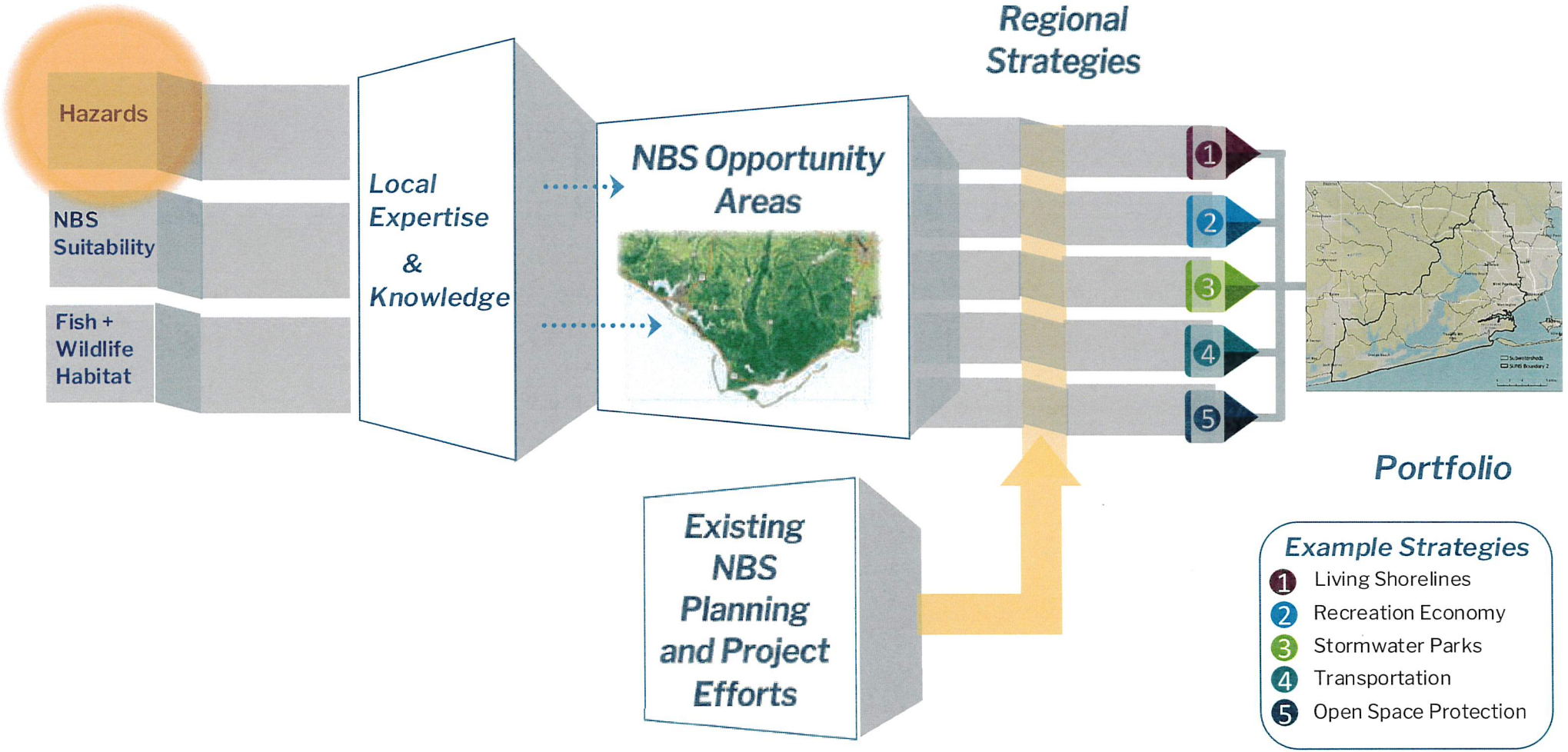


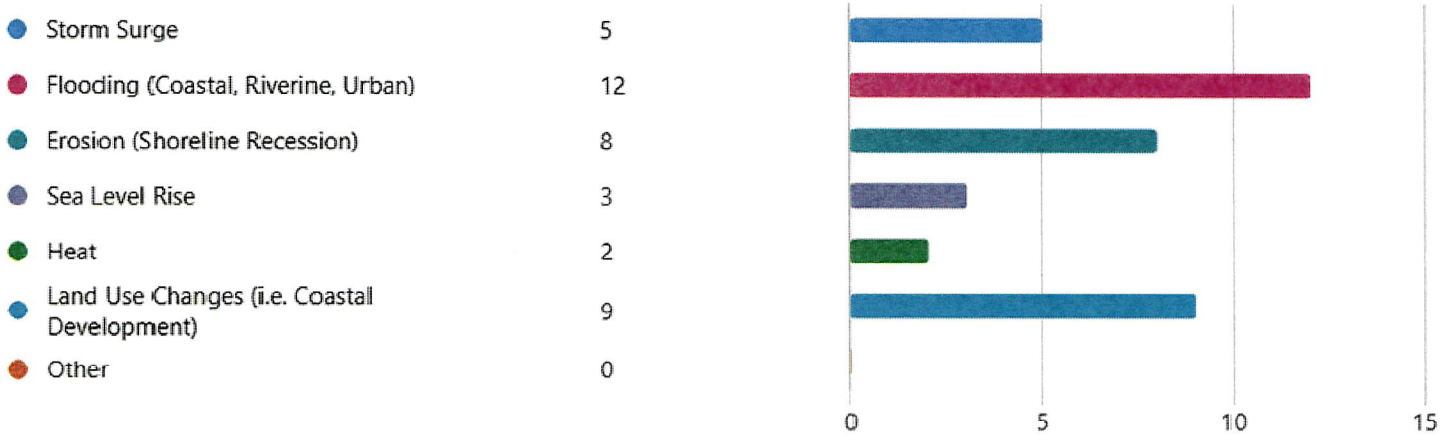
Hazards Facing Perdido Watershed

SUNS Portfolio Development Process



HAZARDS of CONCERN for Working Group Members from Meeting 1 poll

4. Please remind us which hazards are most critical for your geography? (Pick 3)



* Coastal Development is an important consideration but is not a hazard.

Hazards and Data sources

Hazard	Types	Data source(s)
Storm Surge	Coastal Storms	NHC Storm Surge Hazard Maps
Flooding	Coastal	FEMA National Flood Hazard Layer NOAA High Tide Flooding
	Pluvial/Fluvial	NOAA/NWFWMD historical and future design rainfall depths (IDF curves) for 100-year and 500-year County Basin Plans
	Compound	PPBEP Compound Flood Model
Erosion (Shoreline recession)	Coastal	FL DEP Critical Erosion Layer
	Urban/Riverine?	USGS Digital Shoreline Analysis System (DSAS)
Sea Level Rise	Sea Level Rise	2022 NOAA Intermediate-Low and Intermediate SLR Projections (Planning horizons for 2050 and 2080)
Extreme Heat	Atmospheric	Heat Index Counts for the Pensacola International Airport (PNS)
	Surface Water	?
Other?		Local and/or county models

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Flooding

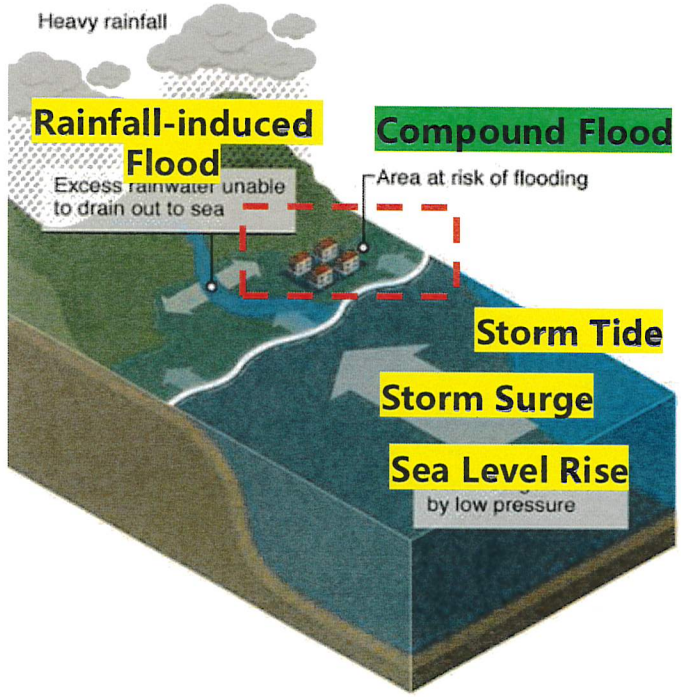
Flood Types

(1) Tidal
- High tide flooding
- Future tidal floods (e.g., sea-level rise)

(2) Storm surge
- Current and future storm surge flooding

(3) Rainfall-induced
- Excess rainfall
- Climate change

(4) A combination of individual floods (1-3)
- The combination of tidal, storm surge and rainfall-driven flooding



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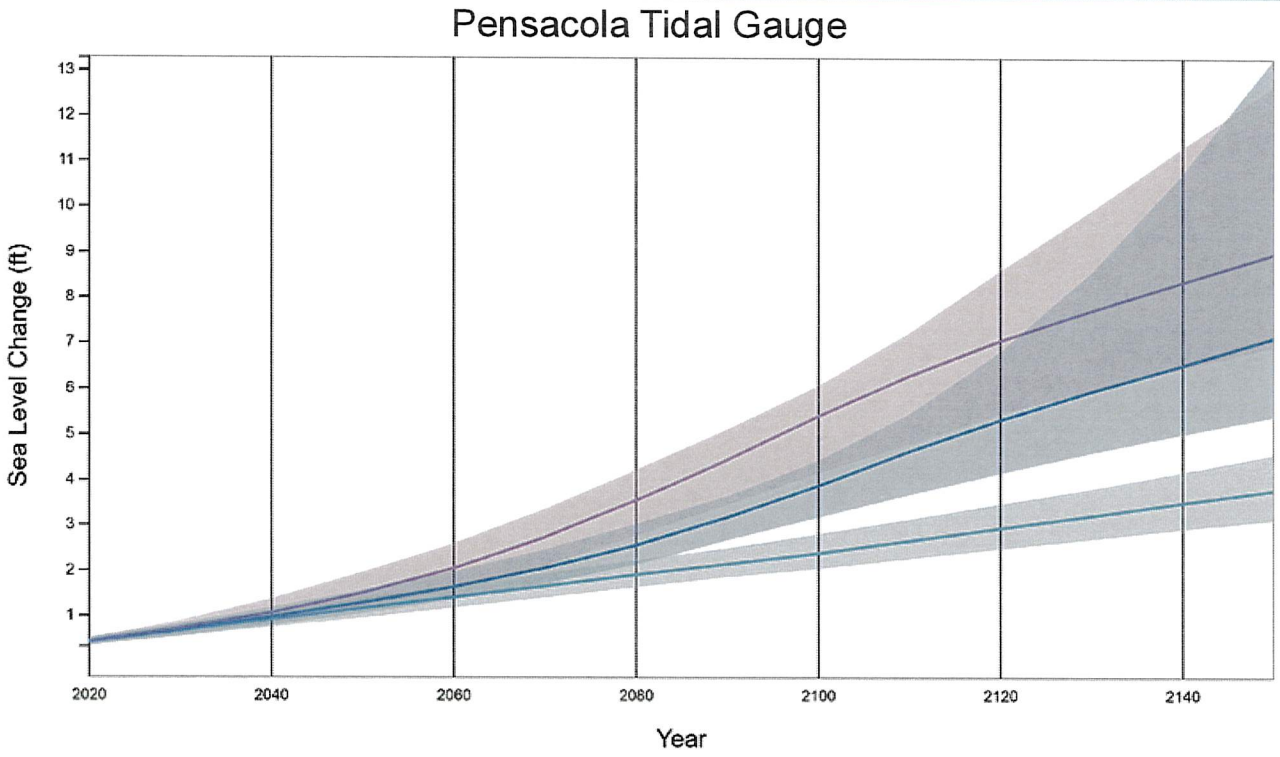
Sea Level Rise



SLR Projections (by 2100)

Dauphin Island: 3.88 ft
Pensacola: 3.56 ft

Perdido Watershed expected to fall within this range.

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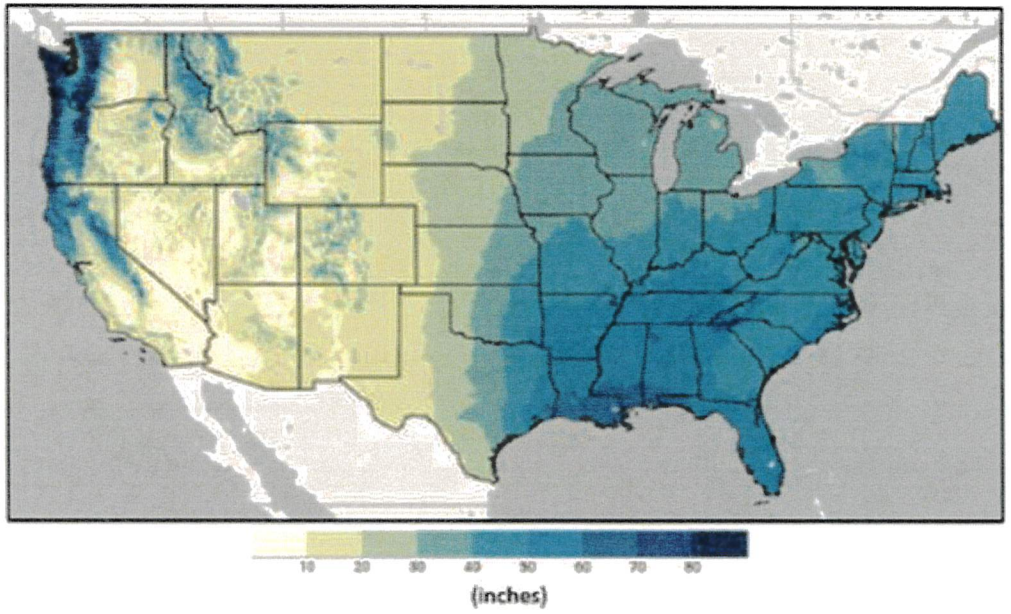
Rainfall

Avg. Annual Rainfall: 67 in

(1991–2020, Pensacola, FL — NOAA 2022a)

Among the **highest rainfall averages** in the nation



Annual Average Rainfall (Inches) From 1991–2020

NOAA

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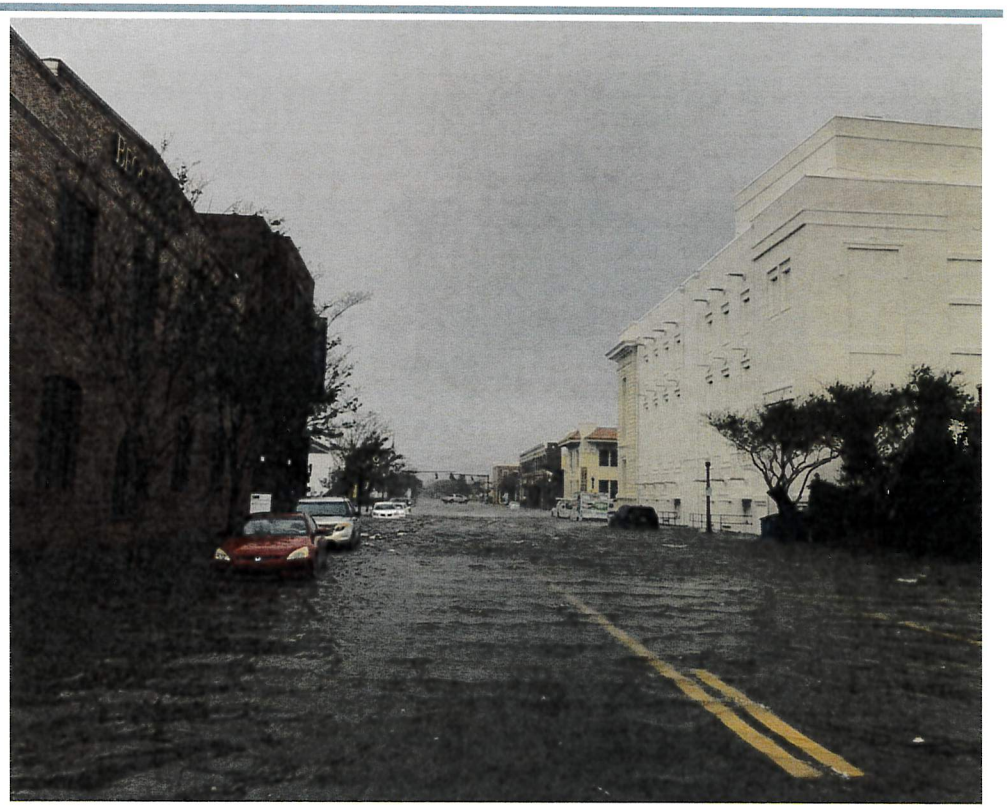
Coastal Storms

A **major hurricane (Category 3+)** occurs about **once every 28 years**

- **Storm intensity** is projected to increase
- Projected increases in storm surge and rainfall will elevate future **damage costs from flooding**
- **19 federal disaster declarations** issued over the last 20 years for hurricanes, 4 for severe weather



NOAA National Hurricane Center, 2019 – Figure 3.7)
NOAA / GFDL synthesis & research summaries

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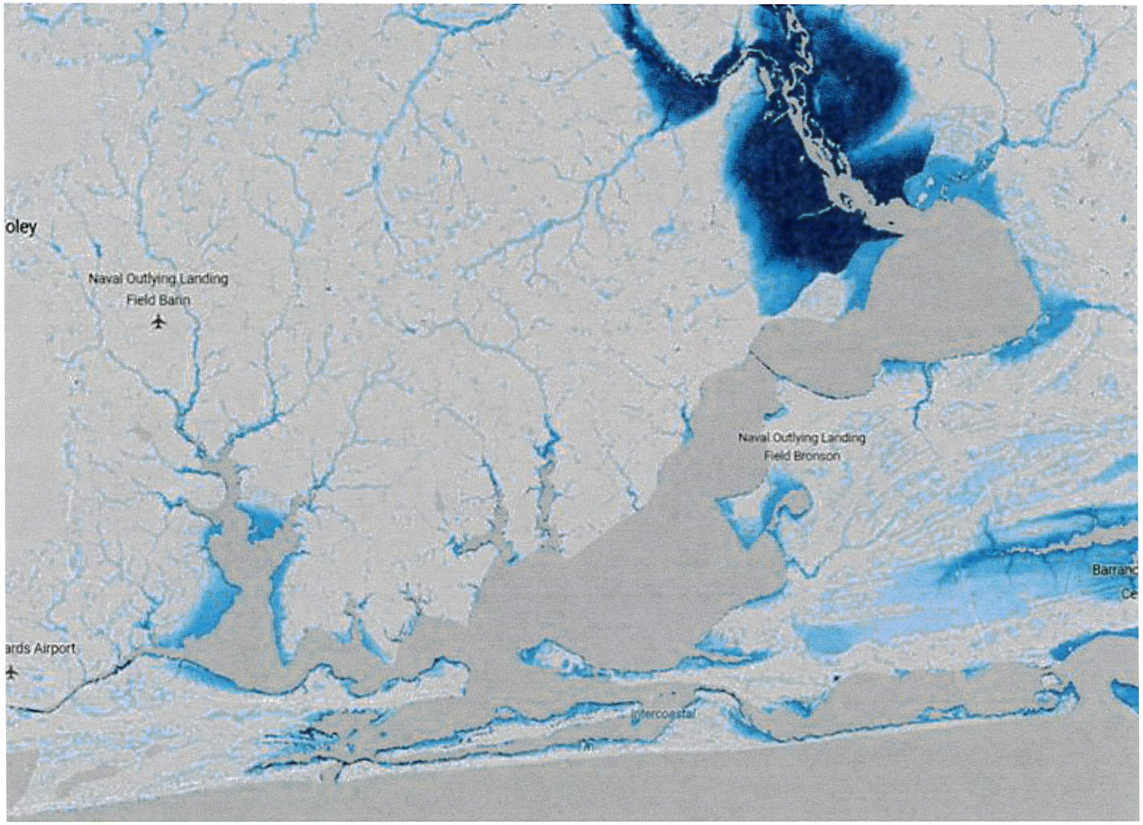
Compound Flooding



Map depicts max flood depths for current 100-year flood event

PPBEP Compound Flood Model

- Identifies projected compound flood scenarios for 2050 and 2080 based on NOAA 2022 SLR Projections and updated Precipitation IDF Curves for 100 and 500 year storm events
- Will identify projected hotspots of compound flooding
- Model to be finalized in March 2026
- Regional Adaptation Plan to be completed by December 2026

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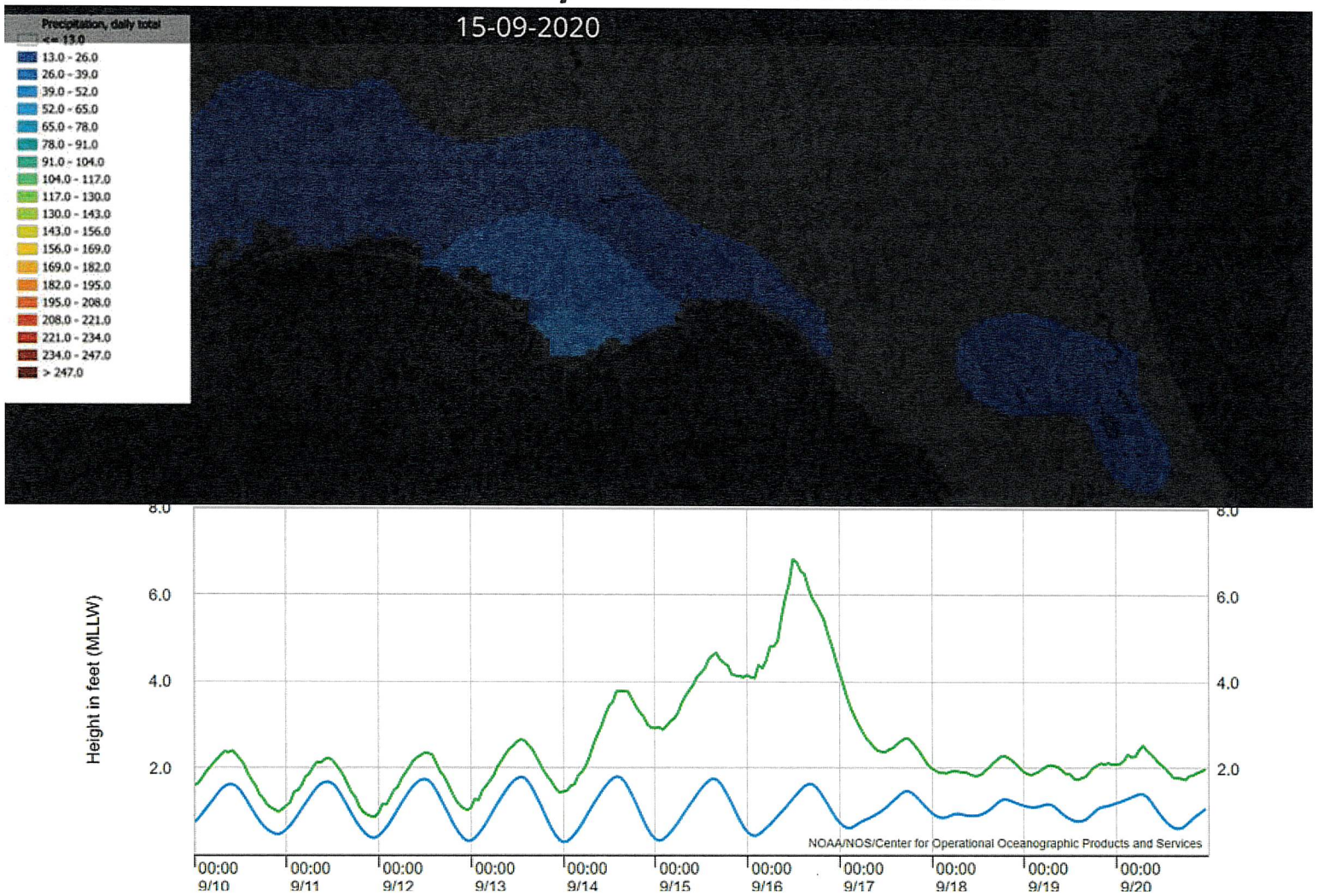
Hurricane Sally: Rainfall and storm tide



Erosion

- Shorelines in the Pensacola and Perdido Bay watersheds lose **1–6 feet of land per year**.
- High rainfall and soil conditions make this one of the **most erosion-prone regions in the U.S.**
- Percent hardened shorelines in Perdido 27%



Jones, S.C., & Tidwell, D.K. (2011). *Geologic Investigations Program: Comprehensive Shoreline Mapping, Baldwin and Mobile Counties, Alabama: Phase II*

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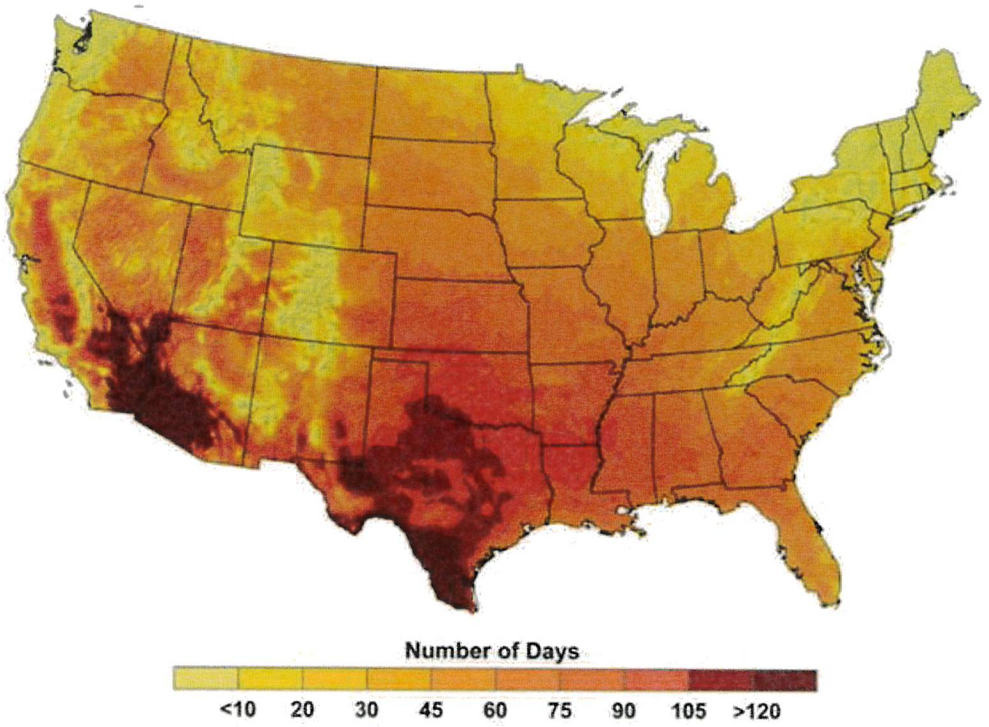
Extreme Heat

- For **Mobile, AL** and **Northwest Florida**, an expected range of roughly **30–60 days per year above 100°F by 2100**

- Water Temperature changes- shallow northern Gulf estuaries warming **~0.2 °C per decade**, faster than offshore waters



This map shows the average number of days per year locations can expect to exceed 100°F by the end of this century, if greenhouse gas emissions continue increasing. In this potential future, parts of Texas that experienced 10 to 20 days of 100°F weather per year in recent decades may experience more than 100 days over 100° by the end of the century.

www.climate.gov
NOAA (2023); Wang et al., 2023, Journal of Climate

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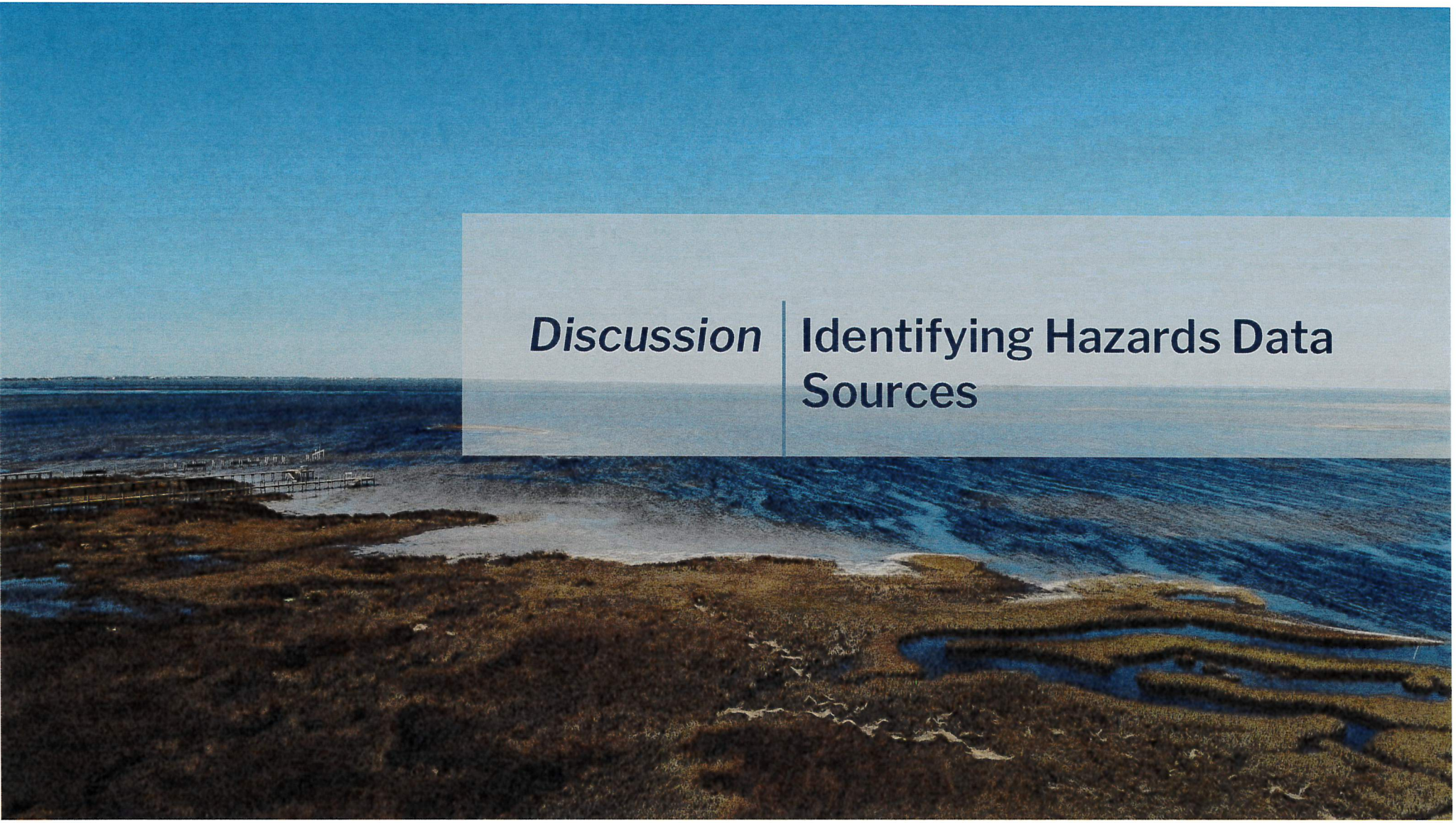

Discussion | **Identifying Hazards Data Sources**

Hazards and Data sources

Hazard	Types	Data source(s)
Storm Surge	Coastal Storms	NHC Storm Surge Hazard Maps
Flooding	Coastal	FEMA National Flood Hazard Layer NOAA High Tide Flooding
	Pluvial/Fluvial	NOAA/NWFWMD historical and future design rainfall depths (IDF curves) for 100-year and 500-year County Basin Plans
	Compound	PPBEP Compound Flood Model
Erosion (Shoreline recession)	Coastal	FL DEP Critical Erosion Layer
	Urban/Riverine?	USGS Digital Shoreline Analysis System (DSAS)
Sea Level Rise	Sea Level Rise	2022 NOAA Intermediate-Low and Intermediate SLR Projections (Planning horizons for 2050 and 2080)
Extreme Heat	Atmospheric	Heat Index Counts for the Pensacola International Airport (PNS)
	Surface Water	?
Other?		Local and/or county models

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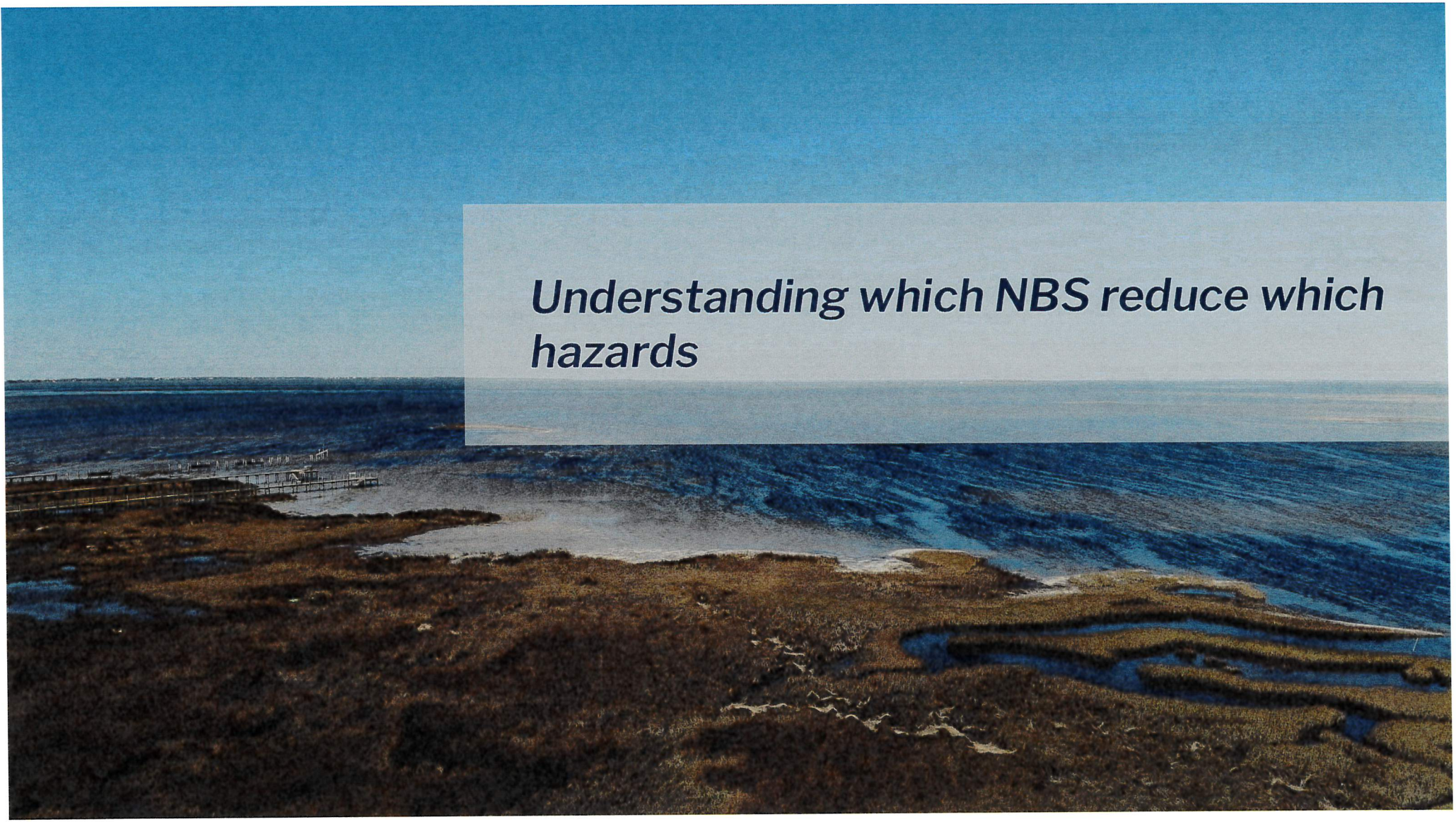
Understanding which NBS reduce which hazards

Hazard	Types	Data source(s)	NBS
Storm Surge	Coastal Storms	NHC storm surge hazard maps	Beaches and Dunes, Coastal Wetlands Restoration (marsh, mangroves), Oyster Reef Restoration, Living Shorelines, Riparian Buffer
Flooding	Coastal	FEMA National Flood Hazard Layer NOAA High Tide Flooding	Culvert Upgrades, Waterfront/ Beach Parks, Restoring Tidal Connection, Living Shorelines, Channel restoration, Beaches and Dunes, Oyster Reef Restoration, Coastal Wetlands Restoration (marsh, mangroves), land conservation
	Urban/Riverine		Greenways, Culvert Upgrades, Daylighting, Low Impact Development, Stormwater Parks, Riparian Buffer, Stream/River Restoration, Horizontal Setback Levee, Floodplain Restoration, Land Conservation
Erosion (Shoreline recession)	Coastal	FL DEP Critical Erosion Layer	Beaches and Dunes, Coastal Wetlands Restoration (marsh, mangroves), Oyster Reef Restoration, Living Shorelines
	Urban/Riverine?		Living shorelines, Riparian Buffer
Sea Level Rise	Sea Level Rise	2017 NOAA Intermediate-low and intermediate-high SLR Projections	Beaches and Dunes, Coastal Wetlands Restoration (marsh, mangroves, Living Shorelines), Stormwater Parks
Heat			
Other		Local and/or county models	

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NBS	Storm Surge	Coastal Flooding	Urban/River Flooding	Coastal Erosion	Riverine Erosion	SLR	Heat
Beaches & Dunes	X	X		X		X	
Coastal Wetlands	X	X		X		X	
Oyster Reef Restoration	X	X		X			
Living Shorelines	X	X		X	X	X	
Riparian Buffer	X				X		
Culvert Upgrades		X	X				
Waterfront/Beach Parks		X					
Restoring Tidal Connection		X					
Channel Restoration		X					
Land Conservation		X	X				
Greenways			X				
Daylighting			X				
Low Impact Development			X				
Vegetation/Tree Planting			X	X	X		X
Stormwater Parks			X			X	
Stream/River Restoration			X				
Floodplain Restoration			X				

Poll: Which NBS Types would you prioritize for SUNS consideration?

Go to: www.menti.com

Enter the code: 7537 1439

Pick 5 options

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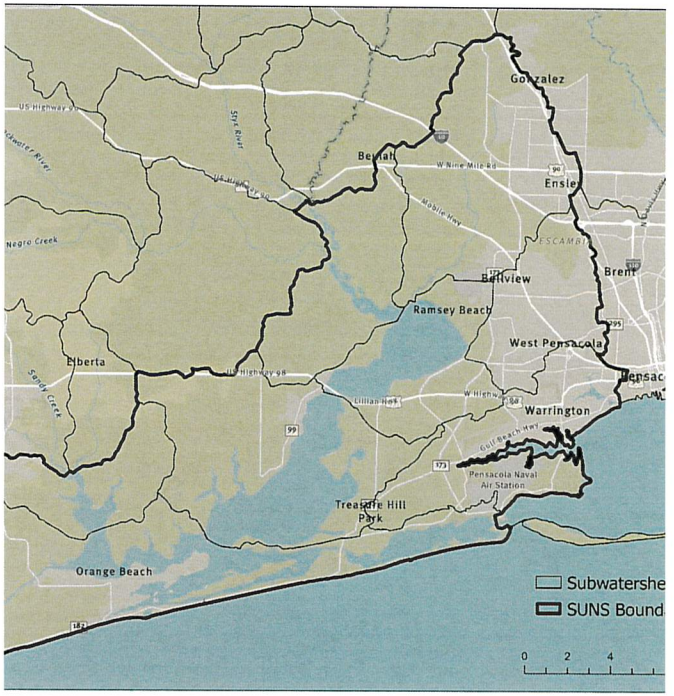
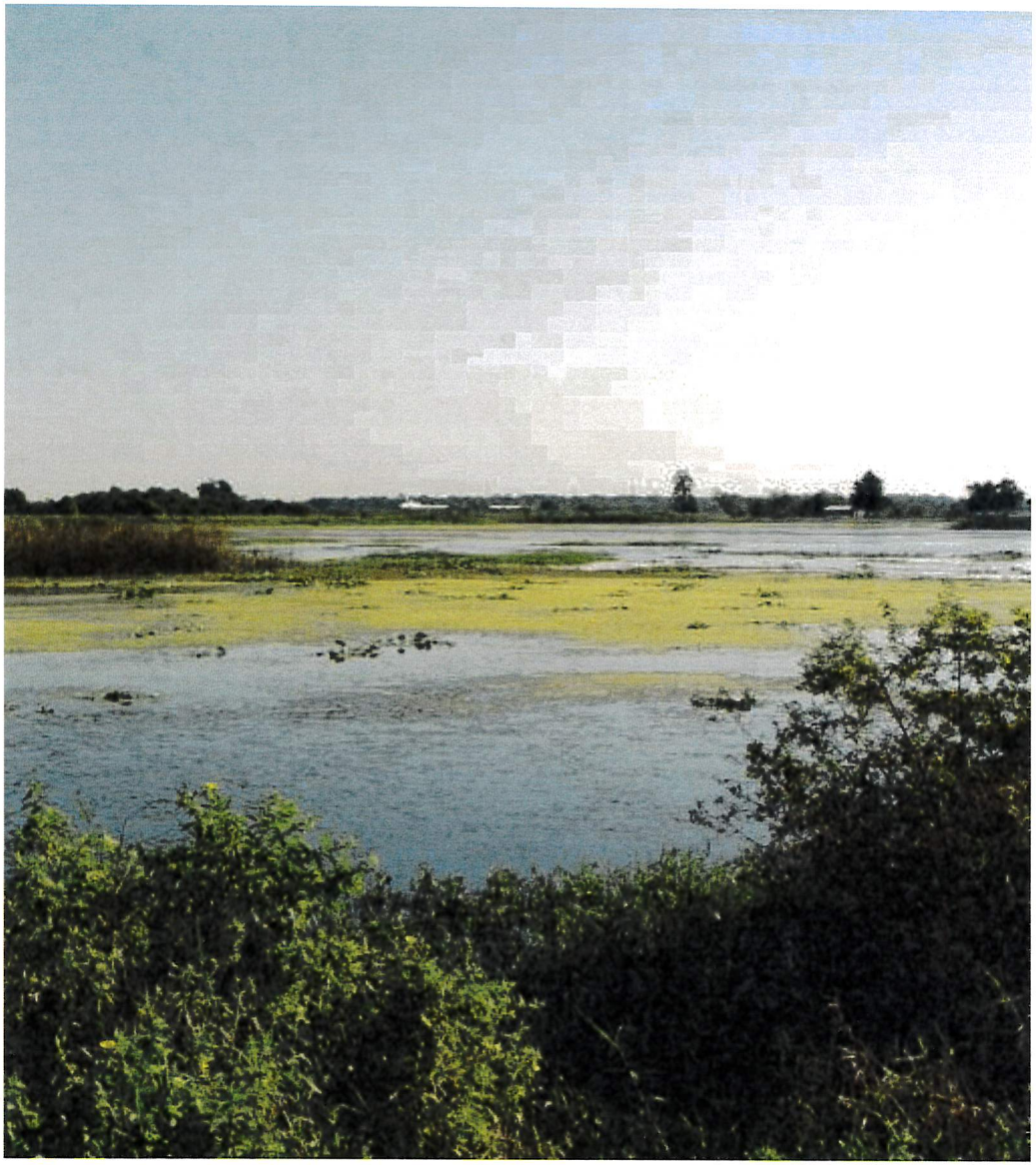
SUNS Planning Themes

SUNS Planning themes are used to guide creation of the SUNS Portfolio of projects.

Each theme helps focus the working group on a related set of NBS approaches to reduce risk and benefit people and wildlife across the region.

Next, we will review some planning themes that we might want to use for SUNS Perdido.





Greenspace in the Floodplain

Description Mitigate current flooding and prevent future flooding by protecting and restoring greenspace space for floodwater storage and fish and wildlife habitat in the floodplain

Current & Future Greenspace:

- Where are the opportunities to ensure floodplain benefits in the future?
- Where are the wetlands not protected?
- Where are the wetland migration corridors?

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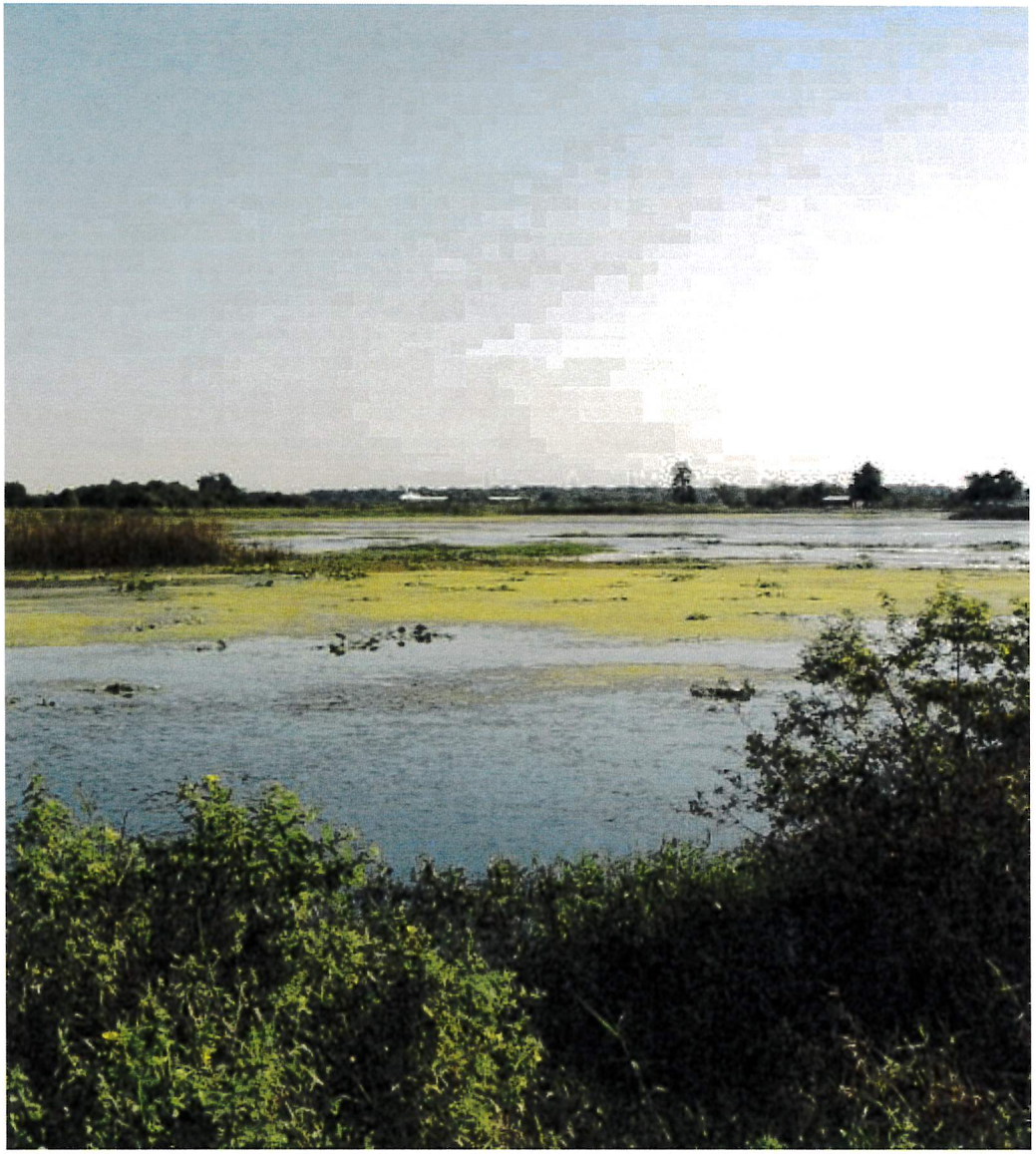

Greenspace in the Floodplain

Hazards: Flooding, SLR, Storm Surge

NBS:
Land Conservation, Coastal Wetlands, Stormwater Parks, riparian Buffer, Waterfront/Beach Parks, Floodplain Restoration, Horizontal Setback Levee, Low Impact Development, Green buffer/wetlands

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Community Stormwater Management

Description:

Leverages a host of nature-based solutions to manage stormwater, mitigate the effects of urban flooding, and protect coastal and riparian habitat for people and nature



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Community Stormwater Management

Hazards: Flooding, SLR

NBS:
Stormwater Parks, **Culvert Upgrades**, **Coastal Wetlands,** Low Impact Development, Greenways, Daylighting, Channel Restoration, Riparian Buffer, Floodplain Restoration



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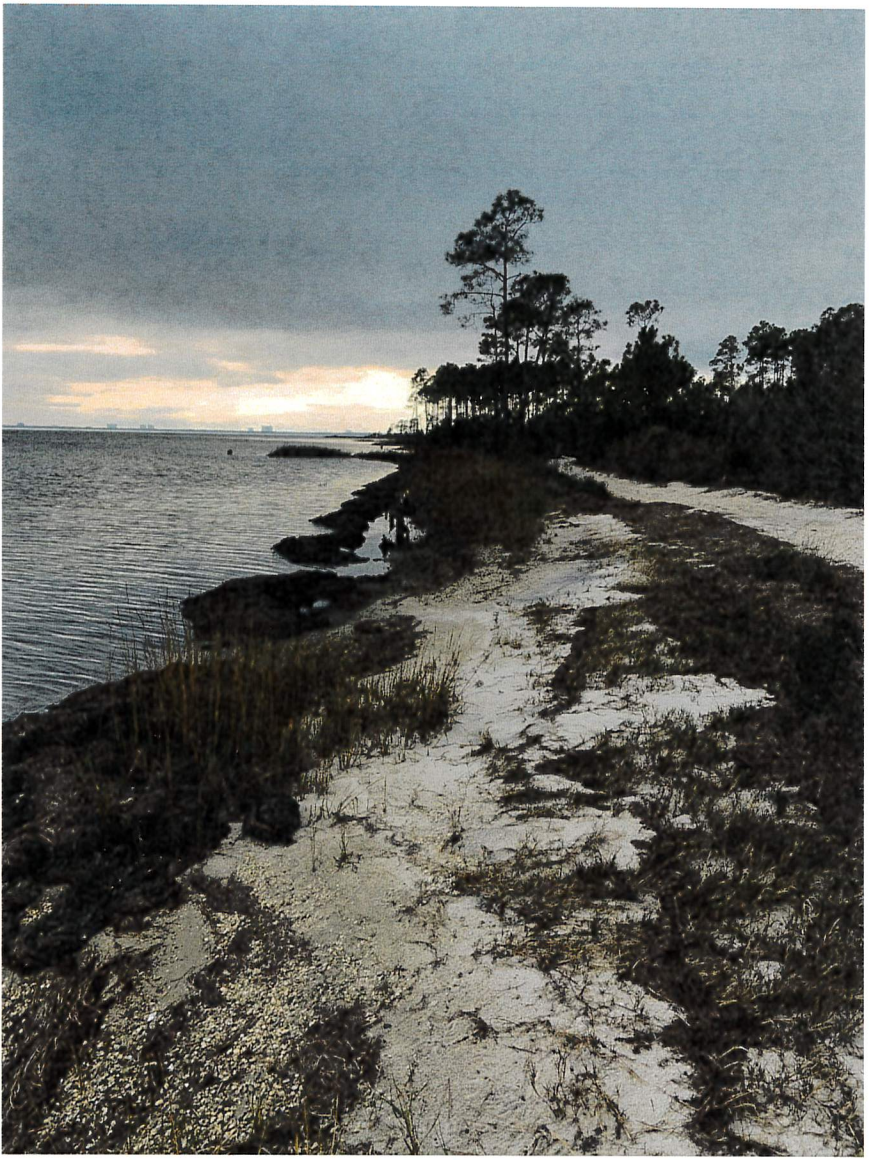
SCALING UP NATURE-BASED SOLUTIONS



Shoreline Protection

Description: Stabilize the shoreline, mitigate erosion, and provide coastal habitat using a variety of techniques to mimic the natural shoreline.

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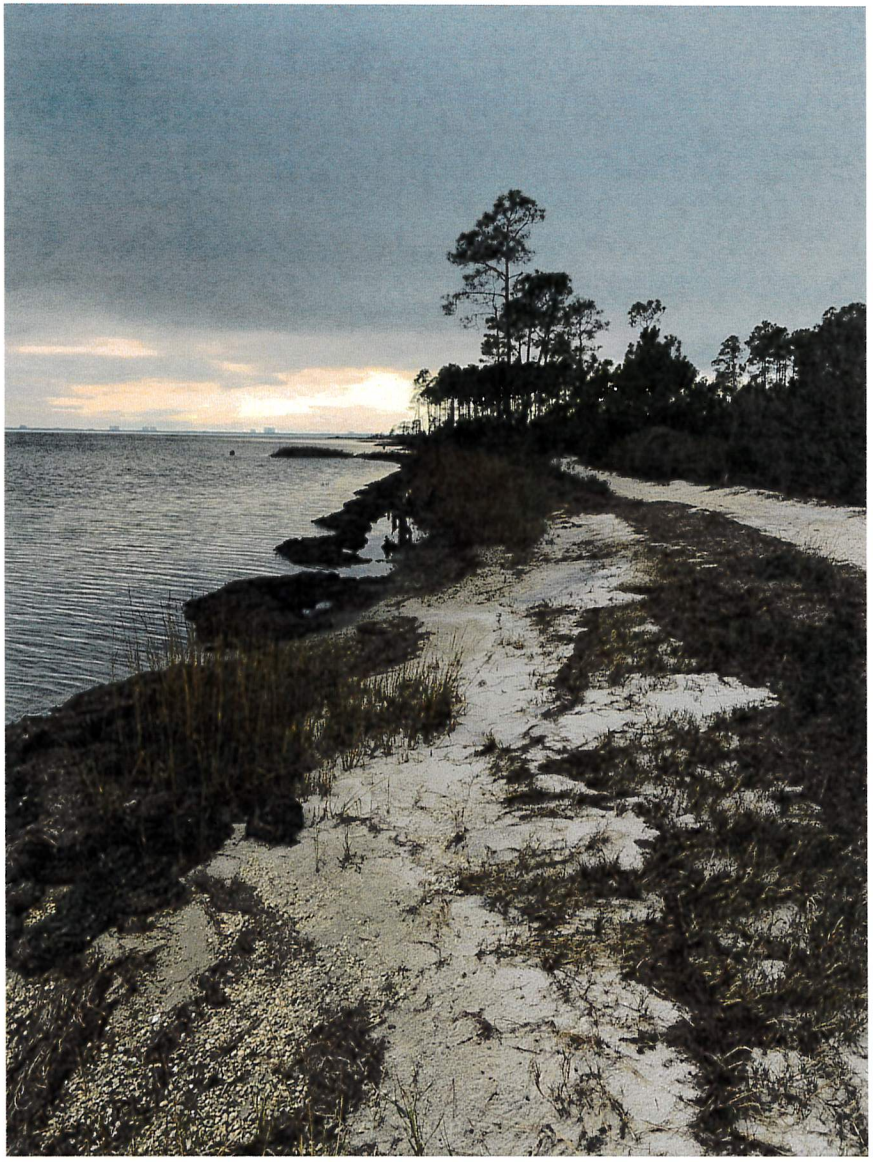

Shoreline Protection

Hazards: SLR, Storm Surge, Erosion

NBS: Living Shorelines, Beaches & Dunes, Coastal Wetlands, Oyster Reef Restoration, Stream/River Restoration, Riparian buffers, Waterfront/Beach Parks,

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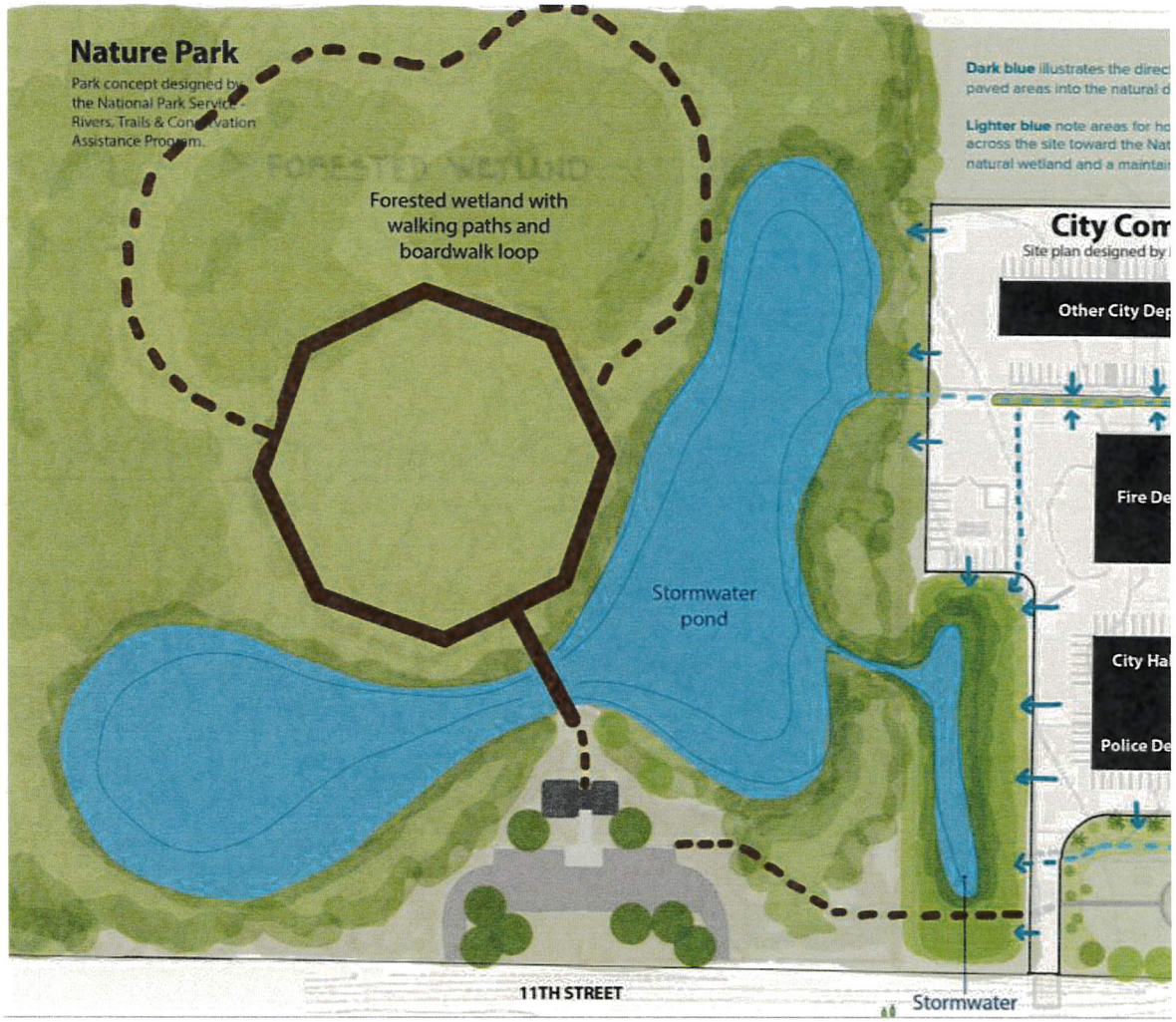
Regional Recreation Economy

Description: Aligns flood mitigation with recreation opportunities and supports local/regional economic development



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Regional Recreation Economy

Hazards: Flooding, SLR, Erosion

NBS:
Land Conservation, Stormwater Parks, Living Shorelines



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Poll: Please pick your top 4 SUNS Planning Themes....

Go to: www.menti.com

Enter the code: 7537 1439

Pick 4 options

You can also add new ideas

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Live display planning themes
results

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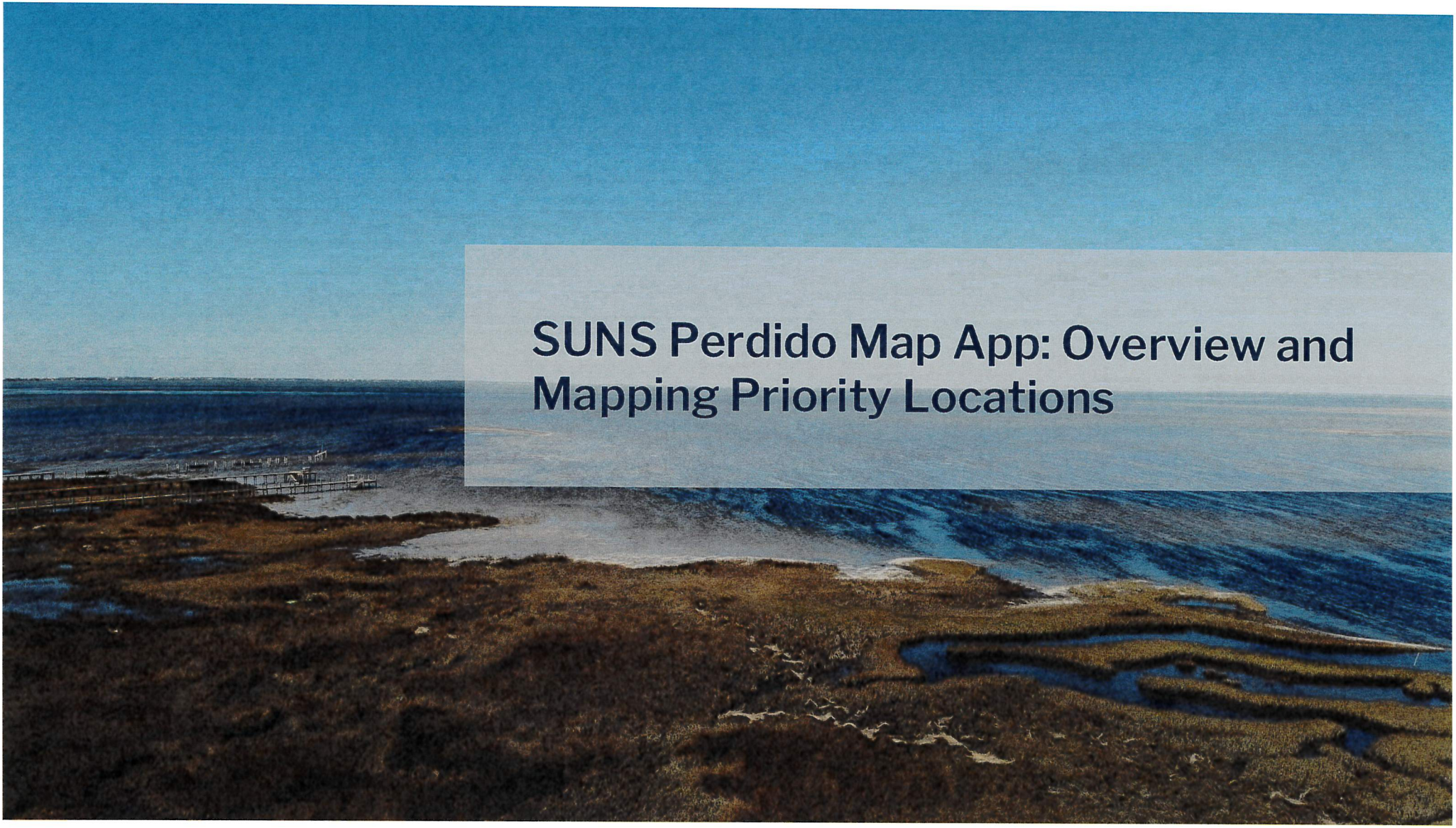
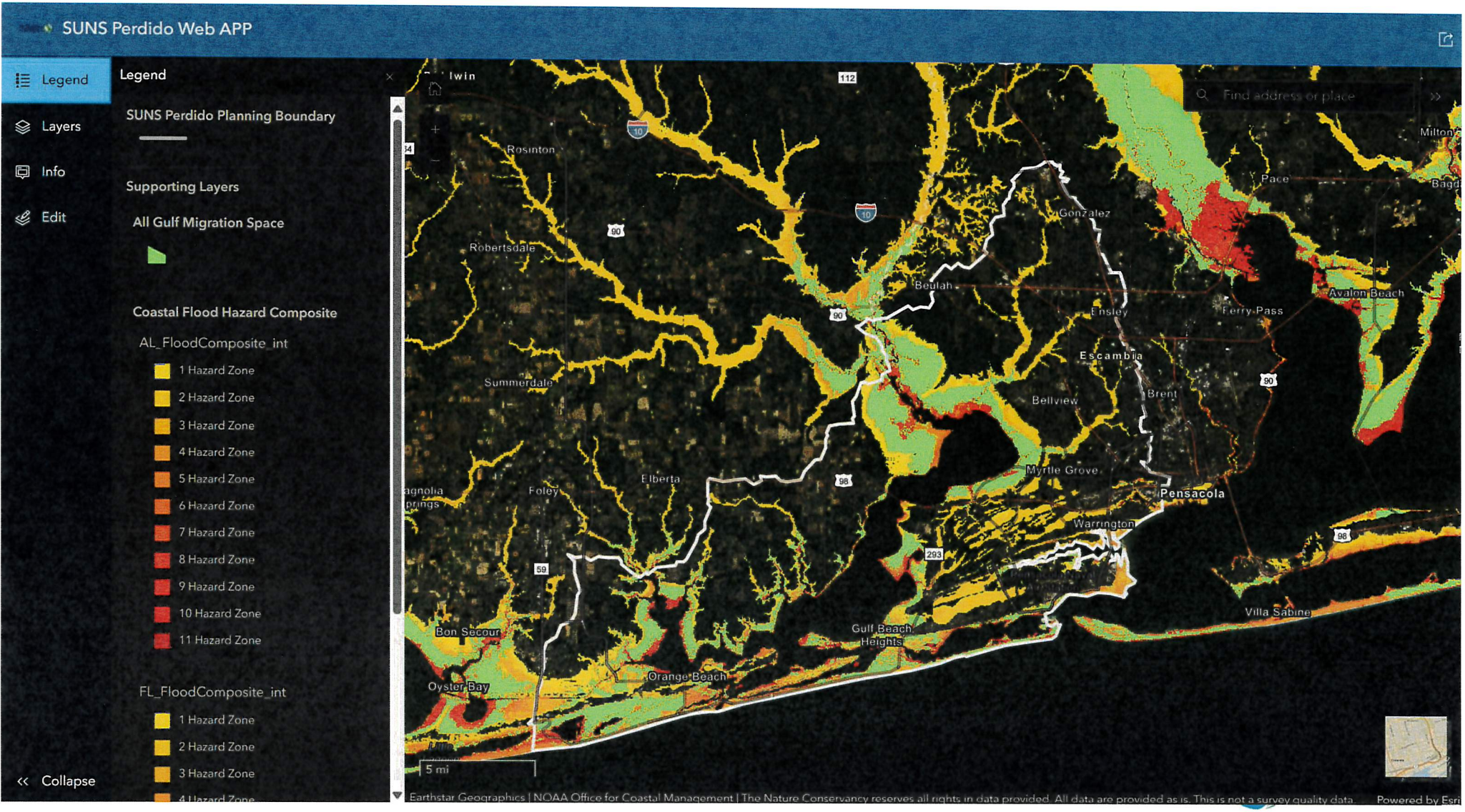
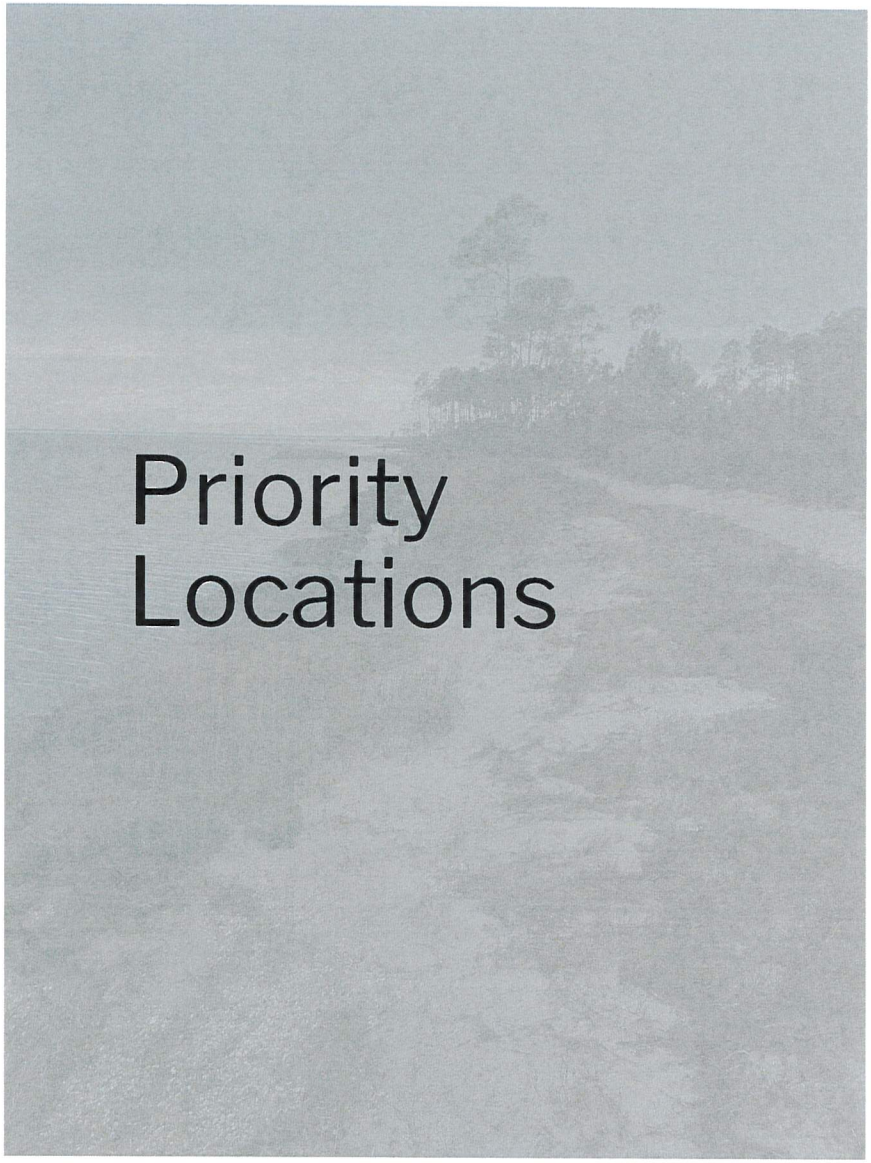


SUNS Perdido Map App: Overview and Mapping Priority Locations


SUNS Perdido Web APP
Legend
Layers
Info
Edit
Layers
SUNS Perdido Planning Boundary
Working Group Priority Locations
Known Project Ideas from Existing Plans
NBS Opportunites
Supporting Layers
Collapse
Find address or place
Satsuma
Saraland
Chickasaw
Mobile
Spanish Fort
Daphne
Tillmans Corner
Theodore
Fairhope
Escambia River Wildlife Management Area
Holt
Yellow River Wildlife Management Area
Pace
Ensley
Ferry Pass
Bellview
Brent
Myrtle Grove
Pensacola
Gulf Breeze
Gulf Islands National Seashore
Foley
Gulf Shores
Dauphin Island
Bon Secour National Wildlife Refuge
10 mi
Earthstar Geographics | FDEP, CONANP, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS
Powered by Esri


SUNS Perdido Web APP
Legend
Layers
Info
Edit
Legend
SUNS Perdido Planning Boundary
Supporting Layers
All Gulf Migration Space
Coastal Flood Hazard Composite
AL_FloodComposite_int
1 Hazard Zone
2 Hazard Zone
3 Hazard Zone
4 Hazard Zone
5 Hazard Zone
6 Hazard Zone
7 Hazard Zone
8 Hazard Zone
9 Hazard Zone
10 Hazard Zone
11 Hazard Zone
FL_FloodComposite_int
1 Hazard Zone
2 Hazard Zone
3 Hazard Zone
Collapse
Find address or place
Rosinton
Robertsdale
Summerdale
Foley
Elberta
Gonzalez
Beulah
Ensley
Pace
Ferry Pass
Avalon Beach
Escambia
Bellview
Brent
Myrtle Grove
Pensacola
Warrington
Villa Sabine
Gulf Beach Heights
Orange Beach
Bon Secour
Oyster Bay
5 mi
Earthstar Geographics | NOAA Office for Coastal Management | The Nature Conservancy reserves all rights in data provided. All data are provided as is. This is not a survey quality data.
Powered by Esri



Priority Locations

Priority Locations are sites (parcels, small areas, neighborhoods) that represent local priorities.

Priorities Include:

- Economic development
- Flooding
- Vulnerable Community
- Important for Fish and Wildlife

What and where are your priorities?

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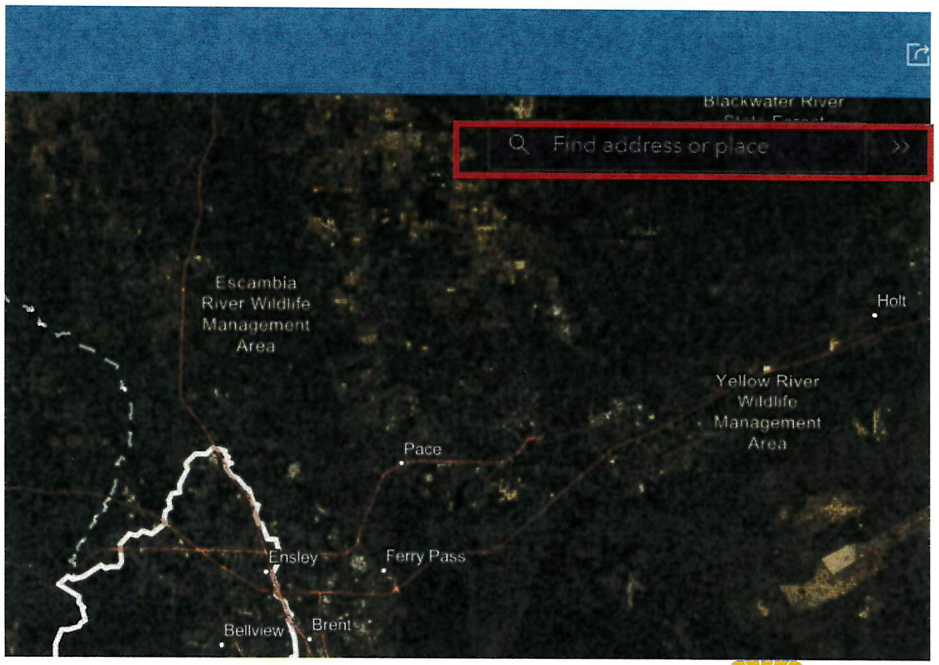
Instructions: Mapping Priority Areas

1. Go to http://tiny.cc/SUNSPerdidoWebApp
2. Zoom into your interest area or type in address



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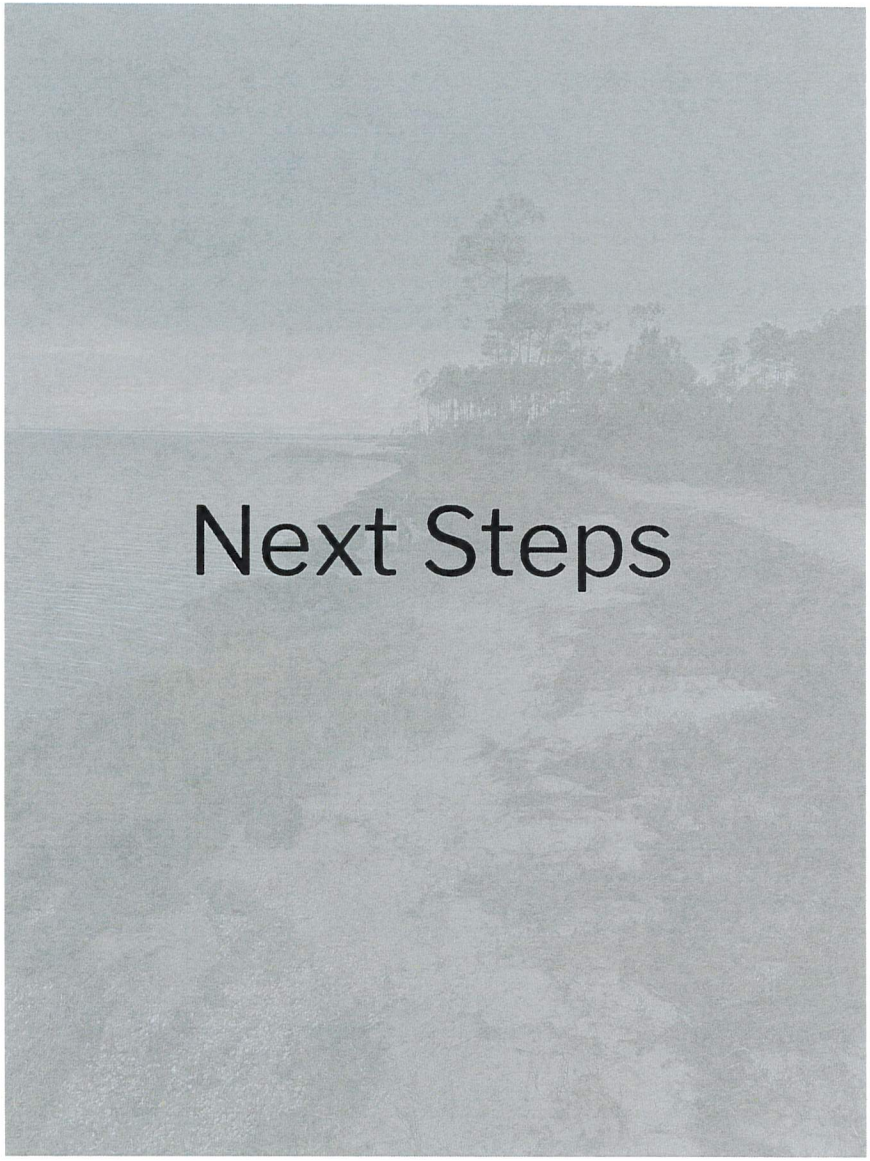

Next Steps

1. Questions/Concerns

2. Explore Perdido SUNS Map App

3. Homework:
   - Identify additional priority locations
   - Explore the layers and suggest additional layers if necessary

4. Next Meeting planned for end of January – 25th through 27th

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SCALING UP NATURE-BASED SOLUTIONS

Thank You!



SUNS Perdido Working Group
Kickoff Meeting Agenda
Tuesday, July 29, 2025
9:30 to 11:00 AM CT
Perdido Key Community Center
15500 Perdido Key Dr, Pensacola, FL 32507
(HYBRID MEETING – TEAMS LINK WILL BE USED)

9:00 – 9:15 a.m.
15 Min
	Set up
	• Center opens at 9am
	• TNC brings projector, laptop, supplies (sticky pads, pens, etc.)
	  o Cooler of drinks
	  o Snacks (granola bars, donuts)
	  o Plates/napkins

9:15 – 9:30 am *15 min*	**Sign in / Participants Arrive**
9:30 – 9:40 am *10 min*	**Welcome & Introductions** (Judy/Mary Kate)
9:40 – 9:55 am *15 min*	**SUNS Overview, shared expectations and understanding of what constitutes an NBS (for the SUNS Project)** (Chris/Steven) • Presentation of NBS types to be considered for SUNS project: Definition, Categories, Project Types, Benefits, Examples
9:55 – 10:05 am *10 min*	**Mentimeter Activity** (Mary Kate) • Coastal hazards and project types
10:05 – 10:20 am *15 min*	**Working Group Overview** (Judy/Steven) • Roles, responsibilities, timeline
10:20-10:30 am *10 min*	**Review of Existing Planning and Projects** (Judy/Mary Kate) • Existing plans • Cross-cutting project ideas
10:30 – 10:55 am *25 min*	**Accelerator Activity – Sharing Projects Already in Development** (Chris/Judy) • Accelerator background • Breakout session: groups discuss potential accelerator projects and pick one to focus on; discuss concerns or barriers with developing new projects, funding needs, and technical assistance needs • Share results after breakout groups
10:55 – 11:00 am *5 min*	**Close out and Next Steps** • Questions/Concerns • Volunteer as WG Co-Chair • Homework: Fill out new project and Accelerator surveys– by Aug 31st • Next Meeting planned for mid-September
11:00 – 11:15 am *15 min*	**WRAP UP and CLEAN UP** • Take trash out • Remove all materials and supplies



© Bronson Field, Florida / TNC

SUNS Perdido

Scaling Up Nature-based Solutions (SUNS) Perdido enhances ecosystem and community resilience in the states of Alabama and Florida from the Perdido River headwaters to the coast. The Perdido watershed encompasses three counties: Escambia and Baldwin Counties in Alabama and Escambia County in Florida. The Perdido watershed supports a myriad of species across diverse habitats including pitcher plant bogs, forested wetlands, pine flatwoods and savannahs, marsh, and Atlantic white cedar swamps. These habitats also provide numerous benefits to individuals and businesses that rely on ecosystem services to support recreation, commercial fisheries, tourism and other activities that depend on a healthy watershed.

Extensive development pressure and increased tourism threaten the Perdido Watershed by overcrowding the natural habitats of barrier islands and marshes and push residential and tourism development into the rural and underserved Upper Perdido Bay communities. Although the Perdido River corridor has many protected areas, increased stewardship actions and recreational access points are needed to balance and manage the expansive growth into these natural areas to avoid the loss of natural flood protection and habitat migration corridors.

While planning efforts to increase the resilience of habitats and communities have been initiated by multiple groups, the region has lacked the resources and capacity to fully implement much needed projects at scale.

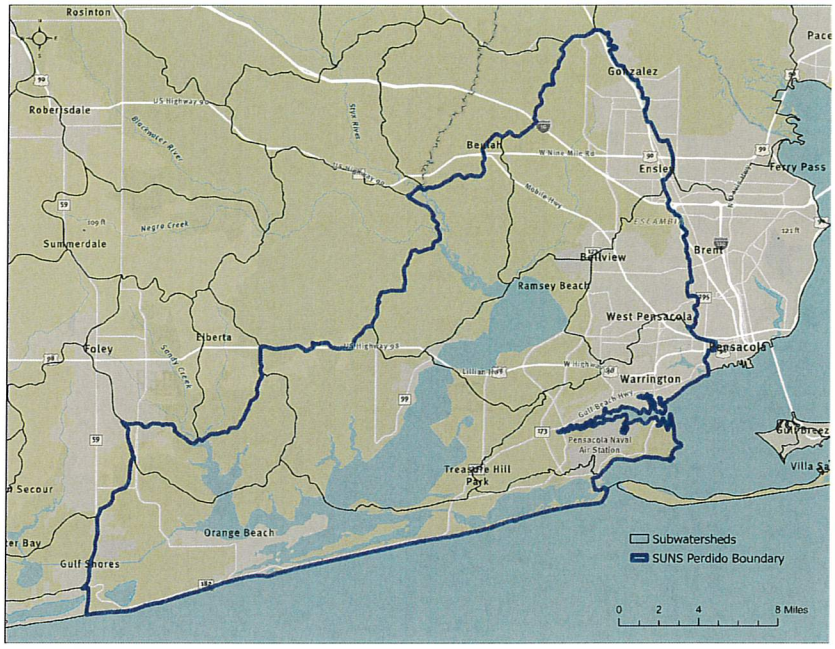
The SUNS Perdido project seeks to reduce the impacts of coastal hazards like flooding, ensure access to natural resources, and enhance ecosystem functions by using nature-based solutions (NBS). NBS are projects that are motivated and supported by nature that may also offer environmental, economic, and social benefits, while increasing resilience. NBS is an umbrella concept that covers a range of approaches, including restoration, management, conservation, and nature-based infrastructure.

The SUNS team will lead a planning process across two states and multiple communities to create a portfolio of nature-based solutions projects for coastal resilience in the Perdido watershed. The development of the SUNS portfolio will incorporate existing plans and extensive stakeholder in person and survey-based engagement. The resulting SUNS Perdido portfolio of NBS projects will guide investments in restoring and strengthening natural features to reduce hazards and advance conservation of the exceptional natural resources of the project area.

SUNS Perdido will also feature outreach campaigns to increase community knowledge about NBS and engage communities in decision making. The project partners, including municipalities, environmental and resource management agencies, community organizations, academia, and the Poarch Band of Creek Indians (PBCI), have worked together for years in the watershed to establish networks and relationships that will be relied upon to help engage community members from the outset of the SUNS planning process through project implementation.

SUNS Perdido Objectives

1. **Provide** local community groups, individuals, government staff, planners, and project partners with easy-to-use information and tools to inform the use of NBS across jurisdictions within the Perdido watershed
2. **Facilitate** a stakeholder-based SUNS planning process to create a portfolio of NBS projects within the Perdido watershed that considers both risk reduction and habitat benefits and incorporates Mobile Bay National Estuary Program and Pensacola and Perdido Bays Estuary Program Comprehensive Conservation and Management Plans priorities
3. **Encourage** adoption and implementation of the SUNS portfolio of projects by partners across state, local, and regional governments by providing technical support and capacity-building trainings



Timeline

Year	Months	Activity	Outcome
2024/2025	September -March	Data collection, Needs Assessment, work group development	Established stakeholder working group, mapping of known projects from plans
2025	April - September	Convene SUNS Working Group to review and select nature-based solution options in Perdido Watershed	Draft portfolio of nature-based solutions projects, maps
2025 - 2026	October - March	Finalize, prioritize, and share portfolio of nature-based solutions	Prioritized portfolio of SUNS projects
2026	April - September	Working group sessions and workshops to build capacity to implement the portfolio	Improved capacity to implement projects in the portfolio
2026-2027	April - June	Work with working group and partners to identify and pursue NBS opportunities	Funds secured for NBS projects

For more information or to explore collaborative opportunities, contact:

Judy Haner
251.281.4022
jhaner@tnc.org

Katie Baltzer
620.654.6039
k.l.baltzer@tnc.org

The Nature Conservancy

USA

PENSACOLA & PERDIDO BAYS ESTUARY PROGRAM

SUNS Perdido Working Group
Kickoff Meeting Agenda
Tuesday, July 25, 2025
9:30 to 11:00 AM CT
Perdido Key Community Center
15500 Perdido Key Dr, Pensacola, FL 32507
(HYBRID MEETING - TEAMS LINK WILL BE USED)

- **Welcome and Introductions** - Mary Kate Brown and Judy Haner welcomed everyone just after 9:30am start
- **Working Group List** (below) and Attendees marked:

Perdido SUNS Working Group

Workshop - July 29

Name	Affiliation	Email	Attended	Online/In Person
Carl Ferraro	Stantec	carl.ferraro@stantec.com		
Chris Curb	Flood Defenders - Panhandle	cacurb@gmail.com	X	In Person
Joy Brown	NWFL Sentinel Landscape	joy@legacyworksgroup.com	X	In Person
Will Underwood	ADCNR	will.underwood@dcnr.alabama.gov		
Woody Speed	City of Orange Beach	wspeed@orangebeachal.gov	X	In Person
Ashley Campbell	Baldwin County	Ashley.Campbell@baldwincountyal.gov	X	In Person
Chips Kirschenfeld	Escambia County	JTKIRSCHE@myescambia.com		
Tim Day	Escambia County	trday@myescambia.com		
Chief Dan Helms	Muskogee Tribe	chiefdan@santarosacreekband.org		
Steve Opalenik	NAS Pensacola	stephen.j.opalenik.civ@us.navy.mil		
Kiersten Wilson	FDEP Tarkiln Bayou State Park	kiersten.l.wilson@floridadep.gov		
Darryl Boudreau	NWFWMD	Darryl.Boudreau@nwfwater.com	X	In Person
Whitney Fike	International Paper	whitney.fike@ipaper.com	X	Online

Mike Cleveland	Western Perdido Bay Watershed Action Committee	mclever98@yahoo.com		
Travis Langen	Gulf Coast Center for Ecotourism and Sustainability	travis@gulfcenter.org		
Chris Head	Poarch Band of Creek Indians	chead82@gmail.com	X	In Person
Jimmy Street	Town of Perdido Beach	jimmyjoestreet@yahoo.com	X	In Person
Nicole Taylor	South AL Regional Planning Council	ntaylor@sarpc.org		
Sarah Wraight	SARPC-GIS Analyst	swraight@sarpc.org	X	In Person
Chastidy Piper	SARPC-Principal Planner	cpiper@sarpc.org		
Eric Christianson	Emerald Coast Regional Council	eric.christianson@ecrc.org	X	Online
Christian Miller	Mobile Bay National Estuary Program	cmiller@mobilebaynep.com	X	In Person
Internal Team			**Attended**	**Online/In Person**
Judy Haner	The Nature Conservancy	jhaner@tnc.org	X	In Person
Mary Kate Brown	The Nature Conservancy	mkbrown@tnc.org	X	In Person
Katie Baltzer	The Nature Conservancy	k.l.baltzer@tnc.org		
Chris Shepard	The Nature Conservancy	cshepard@TNC.ORG		
Karrie Arnold	The Nature Conservancy	karrie.arnold@TNC.ORG	X	In Person
Steven Scyphers	University of South Alabama	sscyphers@southalabama.edu	X	Online
Grace Stringer	University of South Alabama	gas2421@jagmail.southalabama.edu	X	In person
Matt Posner	Pensacola and Perdido Bays NEP	mjposner@ppbep.org	X	In person
Paige Lansky	Pensacola and Perdido Bays NEP	palansky@ppbep.org	X	In Person

- **SUNS Overview –** Karrie gave a background on the previous SUNS work to date
    - Started in Bay, Gulf, and Franklin counties in FL and was formed as a result of Hurricane Michael in 2018 and the devastation from that storm. Goal was to utilize Nature-Based Solutions (NBS) to build back the watershed

- SUNS is moving to Gulf-wide with efforts in AL/FL and also Texas, and more. Perdido SUNS will follow same format as the Panhandle SUNS program. Currently Panhandle SUNS has 72 projects in planning, development, or implementation mode. From 2023 to 2025, 1/5 of the 72 projects are being implemented or completed.
    - Search "TNC SUNS" to read more about previous SUNS Projects: https://www.nature.org/en-us/about-us/where-we-work/priority-landscapes/gulf/stories-in-the-gulf/suns-climate-solutions/
    - Future goals are focused on capacity building to prepared for grant funds and potential support through either state or federal funds.
- **SUNS Perdido Project Goals:** Judy explained about our goals for Perdido SUNS.
    - We will utilize Perdido SUNS as a decision-making tool to prioritize a portfolio of NBS investments for the Perdido Watershed focus area across AL/AFL. It will include technical assistance and capacity building
    - NBS was explained as refresher to the group to highlight its importance in providing environmental, economic, and social benefits while supporting nature and increasing resilience.
    - Types of NBS:
        - Culvert upgrades, daylighting, stormwater parks, riparian buffer, stream/river restoration, horizontal setback levee, floodplain restoration, land conservation, waterfront parks, beach parks, living shorelines, beaches and dunes, coral reef restoration, coastal wetland restoration, open space
    - Co-benefits of NBS:
        - Recreation, aesthetics, reducing stormwater treatment costs, erosion control, mental health, physical health, water quality improvements, reduced nitrogen and phosphorous
        - Karrie: there are existing GIS layers that can help inform us on the best locations to increase social benefits from NBS.
    - Judy: Know that these projects will look messy at first, be patient and nature will do its work.
        - We are open to input on new project ideas. Our resources are from successes in the Florida Panhandle, but please communicate with us so we can include these newer, cool projects
- **Mentimeter: NBS Hazards and Types** – Mary Kate led this session to poll the group on few questions. Due to technical difficulties, these questions were restated in the Perdido SUNS survey (link available here - https://forms.office.com/r/XnPMSgLcL6 and also in your email). Results will be shared at the next workshop.
- **Working Group Purpose** – Judy discussed the members' purpose in our Perdido SUNS effort.
    - Working group members will help advance resilience planning in the Perdido Watershed by facilitating increased coordination across jurisdictions and agencies; identify potential projects that support NBS
    - Objectives of the working group will be to develop the following:
        - Central map of existing planning efforts and/or projects with NBS

        - List of NBS project types for consideration
        - List of potential projects and project locations
        - NBS project selection criteria
        - Prioritize portfolio of NBS project recommendations
    - Expectations
        - Strategy development
        - Participation
        - Leadership + Outreach
- **Timeline** (This will be modified to ensure appropriate time to assess date and prepare materials).
    - July 2025 - Considering coastal hazard risks and exploring NBS in Perdido Watershed
        - Accelerator Track
            - Helps us move forward on projects already in the works
    - September 2025 - Planning Efforts & NBS Suitability
        - Defining priority habitat areas, review of known and new project ideas for first two planning themes
    - November 2025 - Bringing it all together
        - Participatory mapping to review known and new project ideas for remaining planning themes
            - Bring laptops to this meeting!
    - January 2026 - Mapping the Portfolio
        - Participatory mapping to explore connections across planning themes and draft the SUNS Portfolio
            - Bring laptops to this meeting!
    - March 2026 - Characterizing Project Benefits
        - Review and finalize the prioritized portfolio of SUNS projects and move into implementation and tracking phase
    - Local Outreach & Feedback – this can be regularly scheduled community meetings or council meetings.
    - July 2026 - Portfolio Finalization
        - Review community feedback
- **Review of Existing Plans** – TNC and the internal team reviewed existing plans (20+) and compiled them into an excel table listing 275+ projects. Plans included a few of the following:
        - Mobile Bay and PPBEP CCMPs
        - Wolf Bay, Gulf Frontal, Western Perdido Bay WMPs
        - NWFWMD SWIM Plans
        - Municipal and County

        - National and State Park Management Plans
        - DoD Management Plans
        - Emerald Coast Regional Resilience review
    - Types of Projects consisted of overarching (watershed focus), litter management, public access, **water quality**, **habitat**, education/outreach, **regulatory/policy**, **land acquisition**, **stormwater**, **shorelines**. *BOLD are potential SUNS Project Types.
        - Cross-Cutting Ideas from review of the projects collected:
            - Stormwater planning to include mapping of stormwater infrastructure, including water and sewer; most communities are unclear where bridges, culverts, etc. are located, who maintains them, what is their current status (environmental)
                - Priority acquisition to help link for habitat and wildlife corridors; lots of projects in AL that highlight acquisition, but not much in FL
                - Shorelines popular, but best to group areas for impact and target problem areas; difficult due to majority private ownership; suggested to look into hotspots for higher erosion rates to prioritize if shorelines end up being a topic we want to focus on
- **Accelerator Track Breakout Groups -**Mary Kate Brown asked the group to breakout into 3 groups and online to discuss their priority issues and challenges they face for potential NBS implementation.
    - A survey will be sent out after this meeting asking the same questions. See below for the link!
        - Breakout Group #1 (Online):
            - Eric (ECRPC): Military Installation Resilience review just wrapped up. Projects related: Drainage ditch that comes off NAS Pensacola has been a long time issue for them. Suggested flood mitigation; plenty of areas and opportunity to address.
        - Breakout Group #2:
            - Chris Curb: Escambia County has Drainage Needs Assessment that lists projects mapped after the big rainfall event in 2014. Spreadsheet prioritizes projects for Escambia county, but has yet to mapped in GIS.
                - Issue is that it hasn't been mapped out in GIS
            - Ashley Campbell (Baldwin County): Lillian Recreational Park NBS and Low Impact Design; currently working on funding to implement this project
        - Breakout Group #3:
            - Matt: Need for stormwater planning and focus on land acquisition – especially in lower Perdido area

        - Sarah: Planning phase of resilience based mapping services but needs funding
    - Breakout Group #4:
        - Mayor: Living shorelines, Stormwater retention areas in Perdido Beach
- Next Steps:
    - Need chairs for the next working group? This will be dependent on the group and we can decide in future workshops.
    - Homework: **DUE BY AUGUST 31st!**
        - **Perdido SUNS Working Group survey: https://forms.office.com/r/XnPMSgLcL6**
        - **DOODLE POLL for next workshop: https://doodle.com/group-poll/participate/epVwZKNb**
    - Next Meeting: Originally planned for Mid-September, but we are pushing it back towards end of October. See Doodle Poll link above!

SUNS Perdido Workshops

The Scaling Up Nature-Based Solutions (SUNS) Perdido Workshops are sessions from July 2025 through summer 2026 when the working group will put project ideas on the map through a series of participatory mapping exercises. In each workshop, participants will consider project and site suitability alongside local priorities to identify nature-based projects for the SUNS portfolio. The **SUNS Map App** provides an interactive tool to explore data relevant to the SUNS Perdido Planning Themes and their associated nature-based solutions types.

The SUNS Working Group selected four planning themes: Shoreline Protection, Greenspace in the Floodplain, Community Stormwater Management, and Regional Recreational Economy.

The SUNS Map App Guide

The SUNS Map App is a tool for exploring data relevant to nature-based solution project planning for the SUNS project area. The Map App brings together suitability information for a given nature-based solution with social and environmental information to help communities determine where projects might be both feasible and impactful. This guide provides a guide for using the SUNS Map App – including explanations of the data layers and ideas for exploring and brainstorming project ideas for your jurisdiction. A version of the guide will be available online via BOX link and will be updated to reflect new data as it is added.

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Navigating the Map App



- **Legend:** Navigate to this tab to see the map legend.
- **Layers:** This tab allows you to turn on or off the various layers (outlined below) in the map.
- **Edit:** This tab allows you to edit existing features (polygons), add new features, or delete features. You will only be able to view and use this tab when editing has been enabled by the SUNS project team. Editing will be available only for the Working Group Priority Locations layer.

Understanding the Layers:

SUNS Perdido Planning Boundary: Denotes boundary of planning area for Perdido SUNS effort based on HUC-12 watershed boundaries within the priority areas.

SUNS Project Ideas: Project ideas developed through the workshops by SUNS working group members that suggest locations for NBS under the planning themes: Shoreline Protection, Greenspace in the Floodplain, Community Stormwater Management, and Regional Recreational Economy.

Working Group Priority Locations: Priority Locations are sites (parcels, small areas, neighborhoods) that represent local priorities. Priorities might include a variety of factors—including, economic development, resilience challenges, vulnerabilities, etc. Participating members of the working group mapped their priority locations during working group sessions. Contact the SUNS Project Team if you have additional Priority Locations that you would like to see on the map.

Known Project Ideas from Existing Plans: During the SUNS Needs Assessment Phase and the SUNS Working Group Sessions, the Project Team mapped existing and proposed projects and plans that included NBS strategies within Perdido SUNS boundary (and pre-date the SUNS project). Projects are indicated by a point where applicable / available. These projects can be proposed for inclusion in the SUNS Portfolio of projects.

NBS Opportunities: Layers showcasing areas that are likely suitable for a particular nature-based solution, located in an area at risk of coastal hazards (from the NOAA Digital Coast Flood Hazard Composite Layer), ***and*** located in an area important for fish and wildlife (as indicated by the Southeast Conservation Blueprint). Layers of NBS Opportunities for Shoreline Protection and Greenspace in the Floodplain are as follows.

a. **Opportunity Areas for Implementing Living Shorelines**: Data for these opportunity areas derived from the latest Perdido Bay Living Shoreline Suitability Model (Version 5.3 BMP) created by Troy University to provide Perdido Bay waterfront property owners, state, federal, and non-governmental natural resource managers, city and county planners, with a readily available geospatial model to delineate preferred alternatives to erosion control in varied estuarine landscapes through the use of living shoreline treatments to counter shoreline erosion where feasible.

b. **Opportunity Areas for Protecting Tidal Wetlands**: Shows areas that are currently tidal wetlands, unprotected, and classified to have "moderate" or "high" resiliency to sea level rise and other climate-driven changes.

c. **Opportunity Areas for Protecting Tidal Wetland Migration Space**: Migration space is defined as the area of low-lying land adjacent to tidal complexes that is potentially suitable for supporting tidal habitats in the future and into which the current habitats could migrate in response to rising sea levels. This layer shows these areas that are currently unprotected and are classified as "moderate" or "high" resiliency.

d. **Opportunity Areas for Managing Protected Tidal Wetland Migration Space**: Migration space is defined as the area of low-lying land adjacent to tidal complexes that is potentially suitable for supporting tidal habitats in the future and into which the current habitats could migrate in response to rising sea levels. This layer shows these that are protected and are classified as "moderate" or "high" resiliency.

e. **Opportunity Areas for Conserving Land in the Floodplain**: Shows areas that are currently unprotected and fall within FEMA's National Flood Hazard Layer (NFHL) and are classified as Special Flood Hazard Areas (SFHAs).

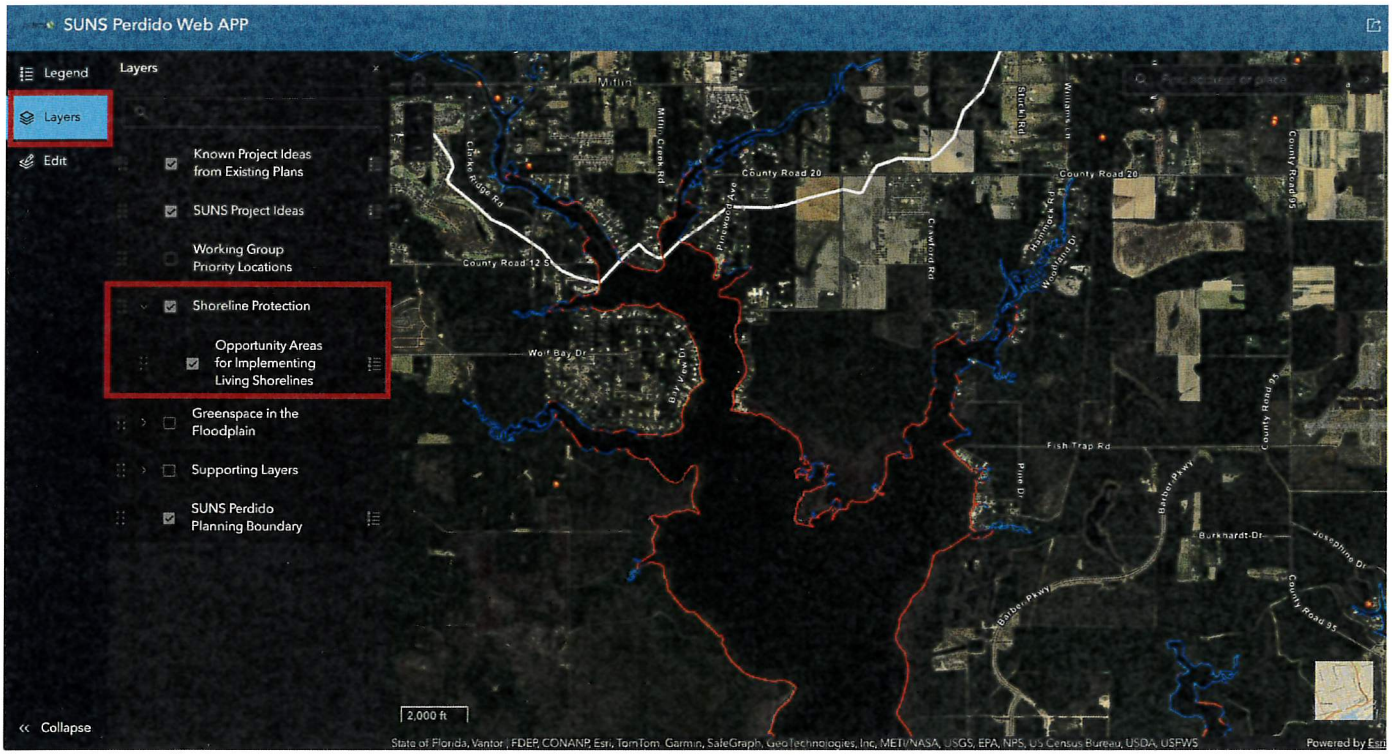
Supporting Layers

- **Living Shoreline Best Management Practices (BMP):** Uses marsh distance, oyster reef distance, shoreline type, and exposure to guide implementation of suitable living shoreline structures and approaches. This classification of living shoreline best management practices can provide suggested actions ranging from maintaining existing living shoreline/stability structures to implementing specific living shoreline types based on site characteristics.
- **SUNS Perdido Protected Areas:** Shows publicly protected areas managed by Federal Agencies (NPS, DoD, etc.); the States of Alabama and Florida; by local municipalities of Baldwin County, AL and Escambia County, FL; and conservation organizations, including The Nature Conservancy.
- **All Gulf Migration Space:** Migration space is defined as the area of low-lying land adjacent to tidal complexes that is potentially suitable for supporting tidal habitats in the future and into which the current habitats could migrate in response to rising sea levels. This layer includes all levels of identified resiliency. This is a layer pulled from the TNC's Resilient Coastal Sites (2019).

- **All Gulf Tidal Complexes:** "Tidal complexes" refer to a set of interconnected tidal and estuarine habitats that were spatially grouped into a contiguous area. These are the projected future complexes under the 6.5 ft of sea level rise scenario. This layer includes all levels of identified resiliency.
- **Southeast Conservation Blueprint 2025:** Lands and waters that have high conservation value for fish and wildlife. This layer designates areas drawn from the following datasets: the Florida Blueprint 1.3, the South Atlantic Conservation Blueprint 2025, the North Atlantic Nature's Network Conservation Design, the Crucial Habitat Assessment Tool, the Appalachian NatureScape Design, Middle Southeast Blueprint 202, The Gulf Hypoxia Precision Conservation Blueprint v1.5, The Caribbean Landscape Conservation Design, and Florida Marine Blueprint 1.0.
- **Gulf Seagrass - GOAA dataset:** Extent of seagrass across the Gulf Coast as provided by Gulf of America Alliance.
- **Coastal Flood Hazard Composite:** Areas prone to flooding from one or more hazards drawn from NOAA's Flood Exposure Mapper, which uses a composite map of SLR, High Tide Flooding, Storm Surge, and Tsunami risk. Two sublayers – one for Alabama and one for Florida.
- **Sea Level Rise Inundation:** Maps six scenarios (1, 2, 3, 4, 5, and 6-ft) from NOAA's Sea Level Rise viewer to show inundation for Perdido SUNS planning area.

Getting Started

1. Navigate to the **Layers** tab. You can click on the checkbox to view each layer. You can click on the small arrow to expand the layer groupings and explore each layer under **NBS Opportunities and Supporting Layers.**

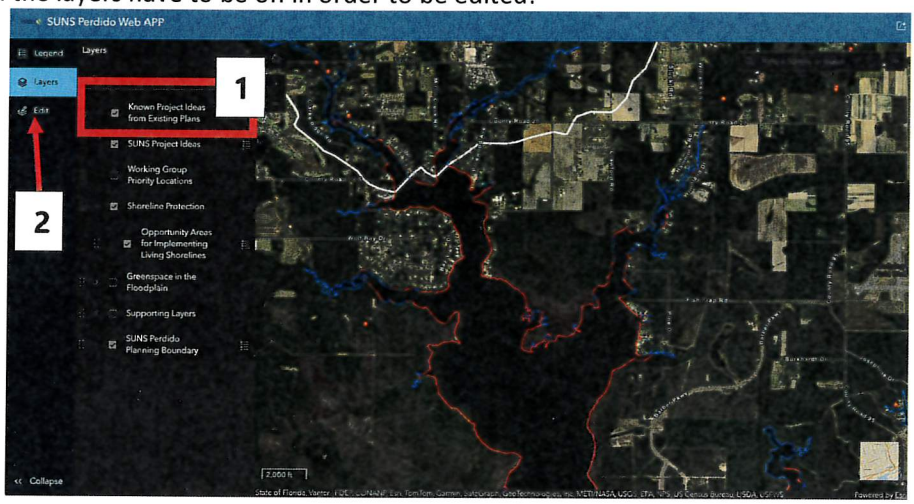


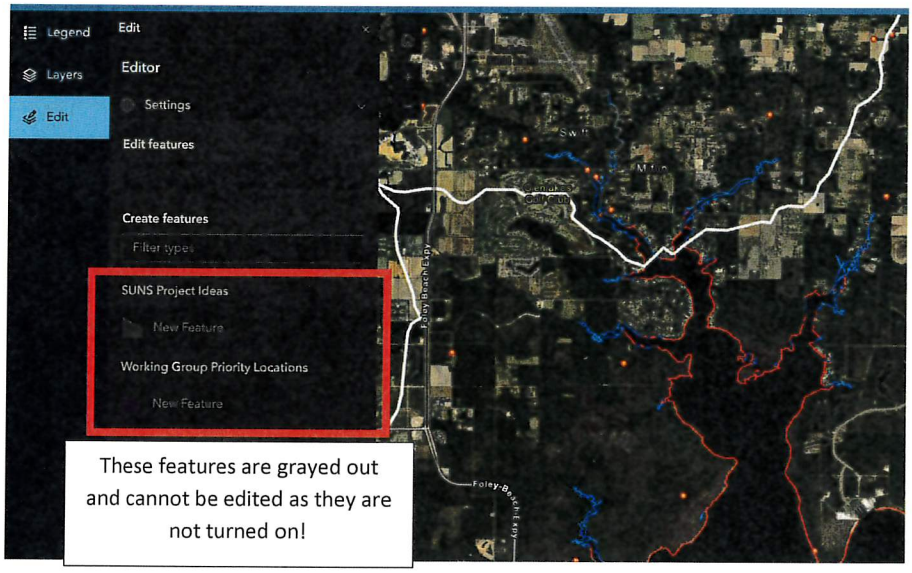
Identifying "Working Group Priority Locations"

Adding Priority Locations to the Map App

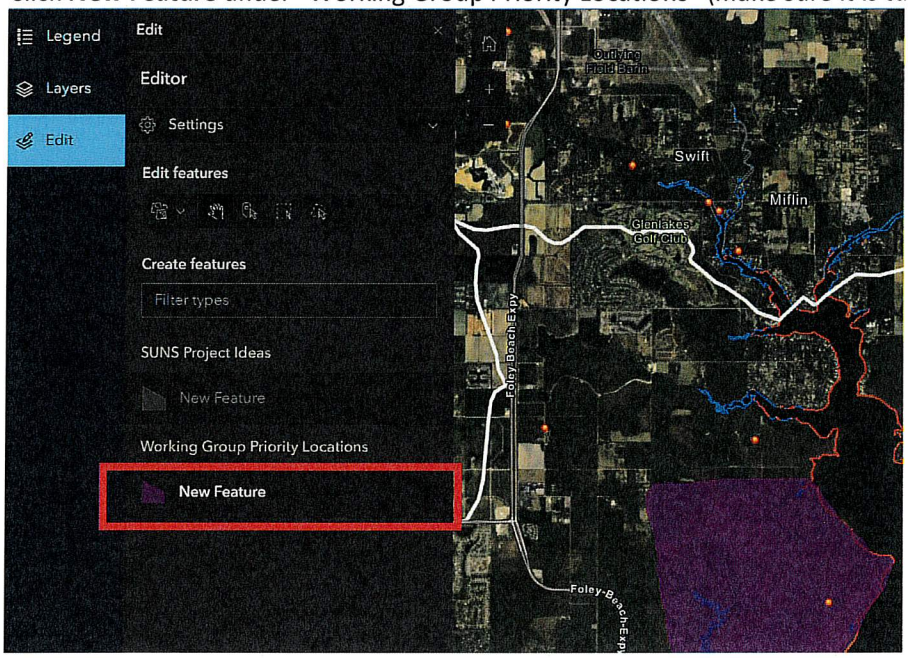
Once you have identified a priority location, we can add it directly to the Map App.

1. First, you can turn on **Known Project Ideas or other layers (NBS Opportunities, Supporting Layers)** and once you have zoomed into the location that you are interested in, click the "**Edit**" tab on the left side of screen and a small editing window will pop up where list of editable layers are available.
    a. NOTE: the layers have to be on in order to be edited!

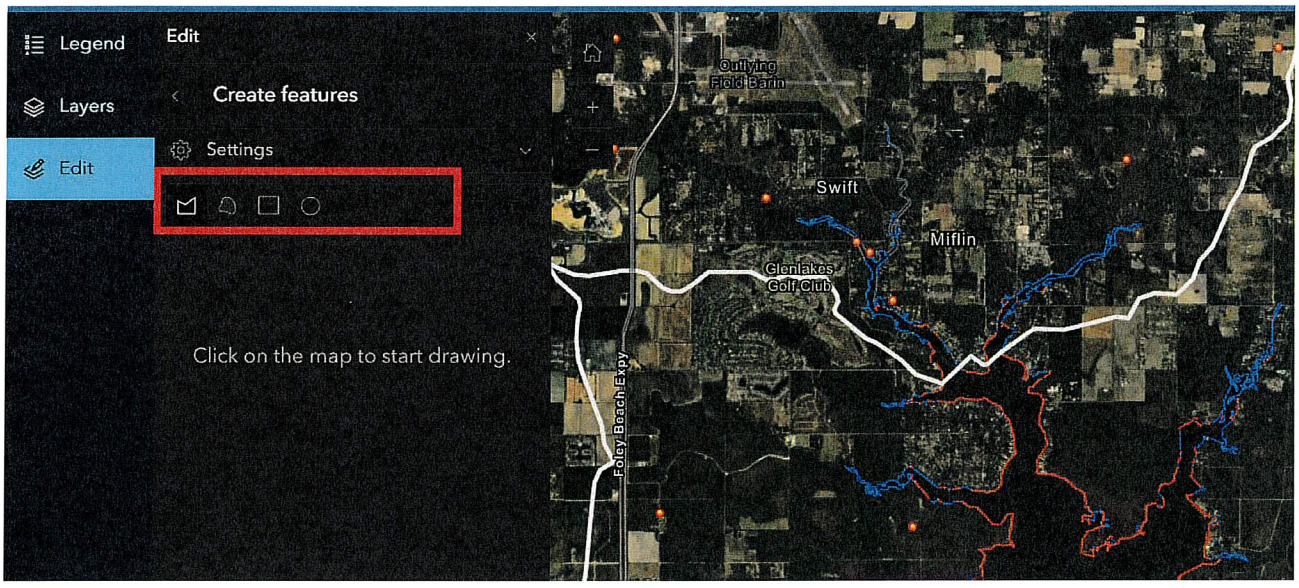




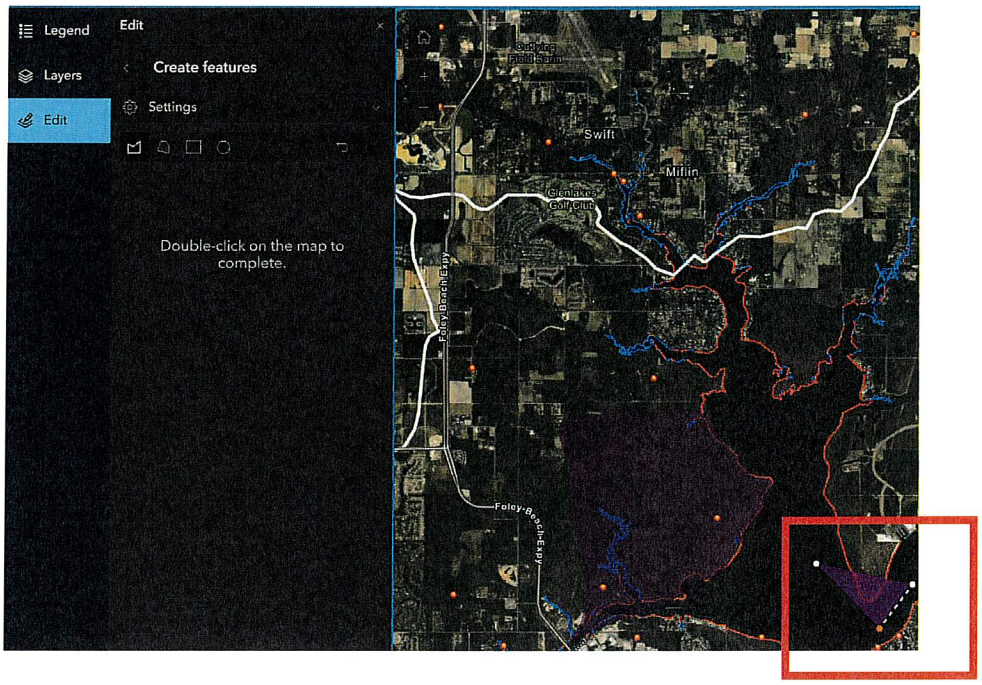
2. Click **New Feature** under "Working Group Priority Locations" (make sure it is turned on!)



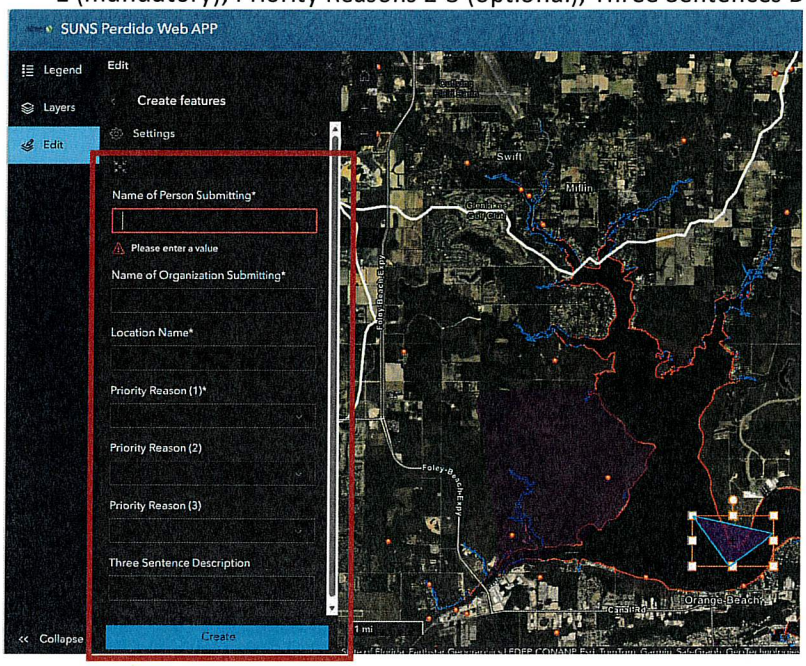
3. Click one of the editing tools (polygon, freehand polygon, rectangle, or circle) to choose your choice of shape to draw on the map.



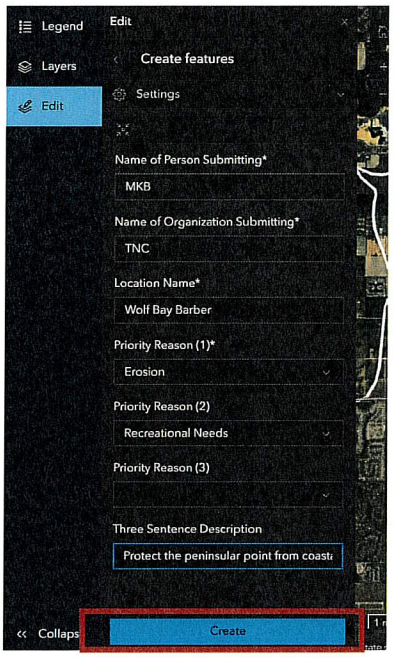
4. After selecting "polygon", click first point on map and click all points (vertices) and double click on last point to close out polygon.


Legend
Edit
Layers
Edit
Create features
Settings
Double-click on the map to complete.
Swift
Foley-Beach Expy

5. Fill in information about the project: Name of Person submitting; Organization; Location Name; Priority Reason 1 (mandatory); Priority Reasons 2-3 (optional); Three Sentences Description (optional but preferred).



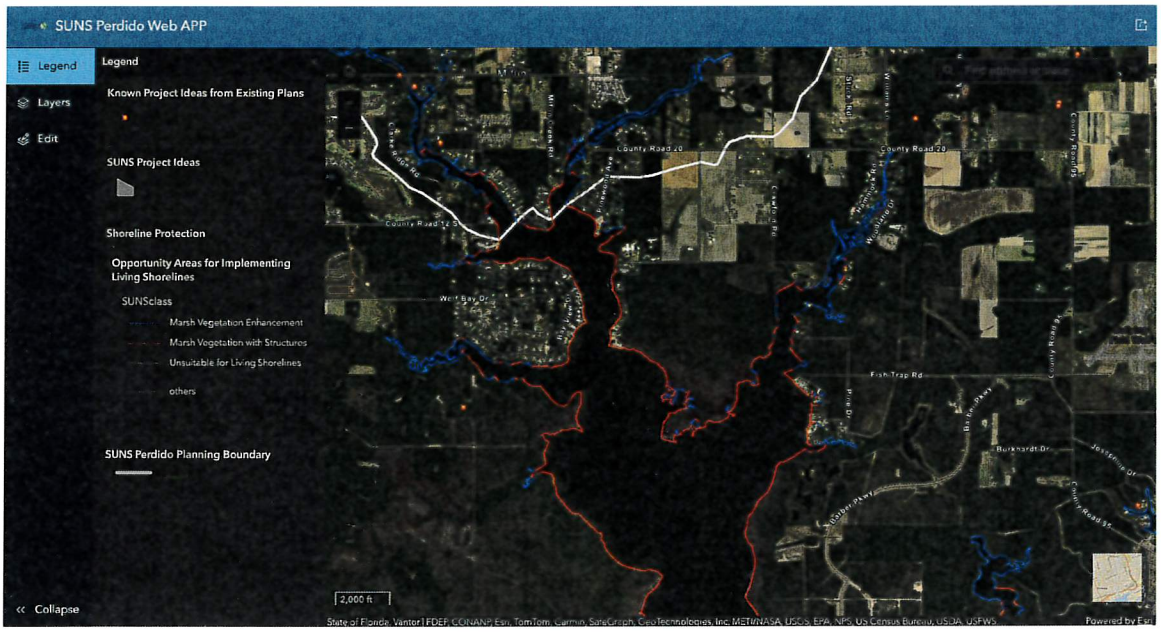
6. Click "**Create**." This is important! If you navigate away from the Edit tab without clicking "Create," your project idea will not be saved to the map.



Identifying future projects under NBS Planning Themes

Opportunity Areas for Shoreline Protection

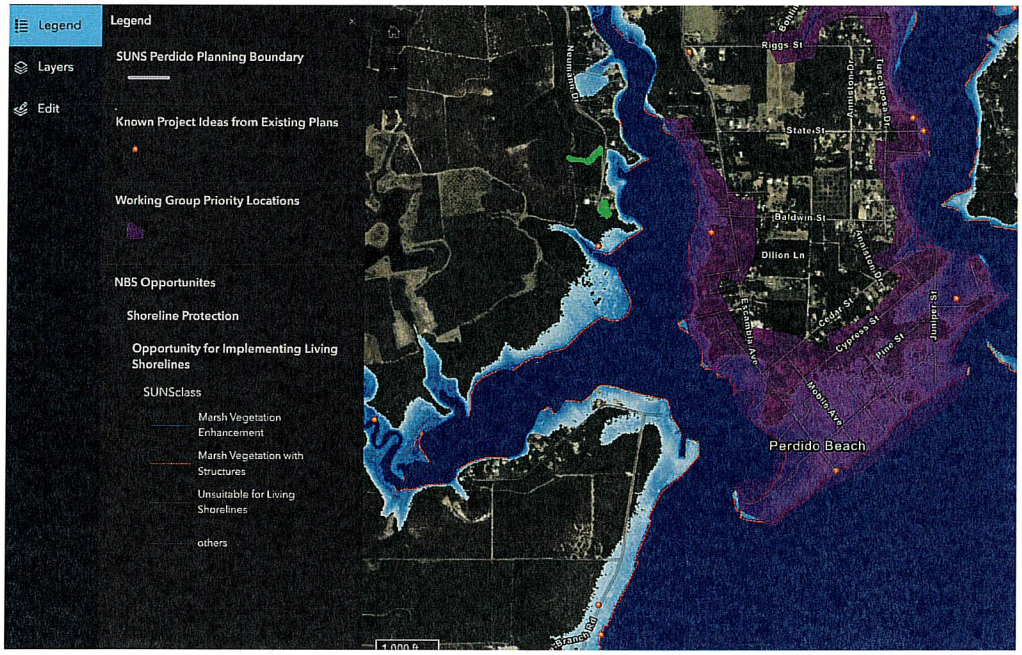
1. Turn on the **Shoreline Protection / Opportunity Areas for Implementing Living Shorelines** layer. This layer appears as a polyline with approximately 3 classes.



2. Look for areas where the NBS layer overlaps with the Working Group Priority Locations, Known Project Ideas from Plans or other priority locations that might not be mapped.

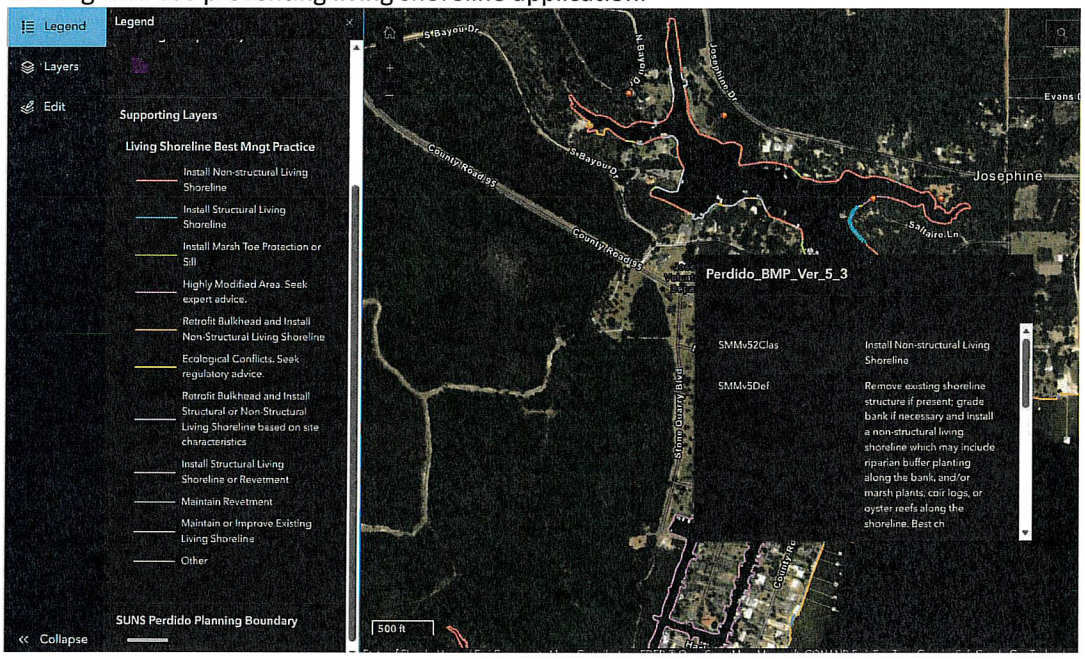
3. Would any of these areas be interesting locations for future shoreline projects? Make a note of what type of shoreline would be suitable for that stretch of coast (traditional, hybrid) – use the legend to guide you on potential living shorelines.

4. You can turn on individual data layers (**Living Shoreline Best Management Practices, Coastal Flood Hazard Composite**, **Southeast Conservation Blueprint 2025, Sea Level Rise Inundation)** to explore potential hazards where shoreline protection NBS could be implemented. Below, the screenshot shows overlap of the Opportunity of Implementing Living Shorelines, Sea Level Rise Inundation, Working Group Priority Areas.)



Looking at where SLR is projected to occur along the shorelines can help identify the areas that may need help or support to be protected in order to maintain a wetland buffer, to protect private property, or even protect infrastructure against impending coastal hazards.

Another example is clicking on "Living Shoreline Best Management Practices" to see what types of living shorelines are suitable for your proposed location. The teal highlighted shoreline below suggests a non-structural living shoreline with plants, oyster shells, coir logs, and other natural materials. The legend shows other types of shoreline solutions, including some that may need further investigation due to seagrass nearby or existing land use preventing living shoreline application.

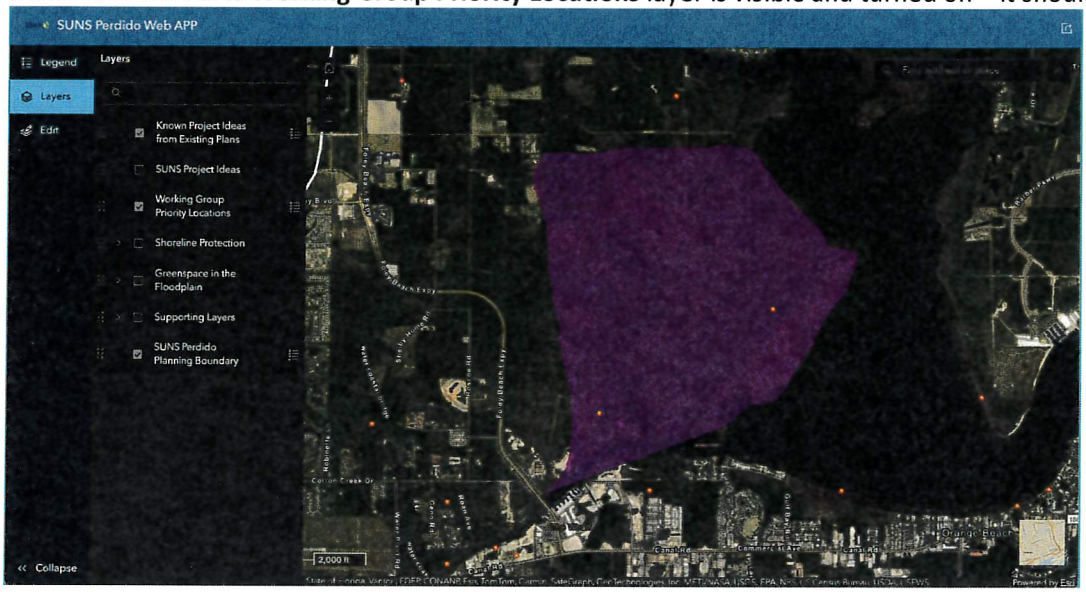


5. Once you have come up with an idea (or several!) for Shoreline Protection, go to page 15 to learn how to add a **SUNS Project Idea** into the Perdido SUNS Map App.

Opportunity Areas for Conserving Land in the Floodplain

When proposing project ideas, start with SUNS Working Group priorities. You can start with your priority locations.

1. Make sure the **SUNS Working Group Priority Locations** layer is visible and turned on – it should be purple.



Note: If you have not already submitted a priority location or need help drawing one, you can work with one of the team members to input one into the Map App, these areas help guide working group members to key areas—but you can still use the map without them.

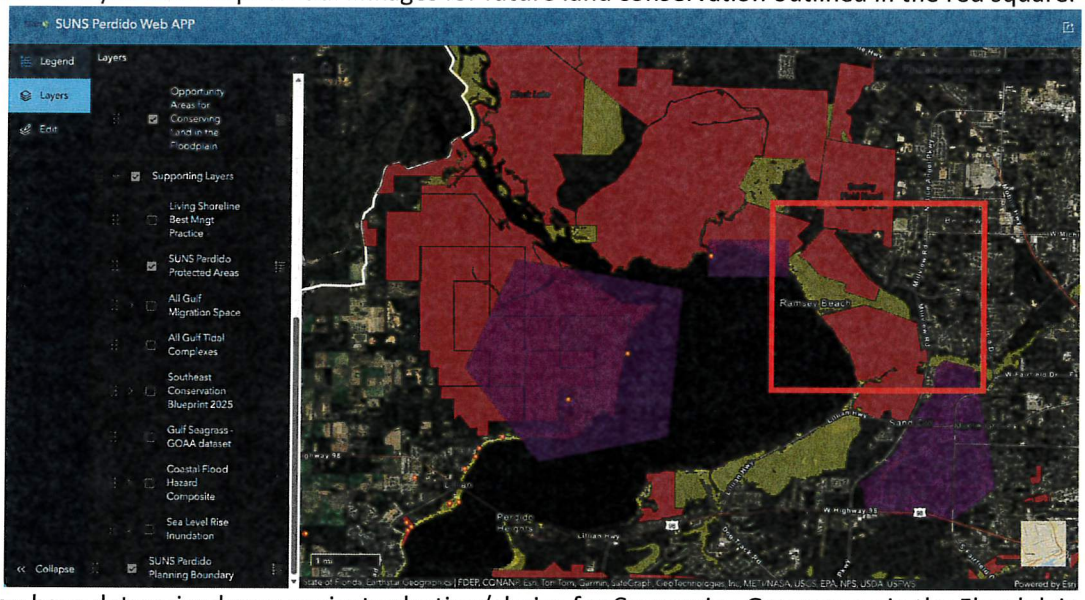
Opportunity Areas for Conserving Land in the Floodplain

2. Now turn on the **Opportunity Areas for Conserving Land in the Floodplain** layer. Remember that **Conserving Land in the Floodplain** shows areas that are currently unprotected and fall within FEMA's National Flood Hazard Layer (NFHL) and are classified as Special Flood Hazard Areas (SFHAs) that also intersect areas at risk of coastal hazards (from the NOAA Digital Coast Flood Hazard Composite Layer), ***and*** are located in an area important for fish and wildlife (as indicated by the Southeast Conservation Blueprint).



The potential land conservation areas in the floodplain are extensive; however, land conservation in the floodplain may not address your concerns in your various priority areas. If you have doubts about whether this is an appropriate solution, talk to someone from the SUNS project team.

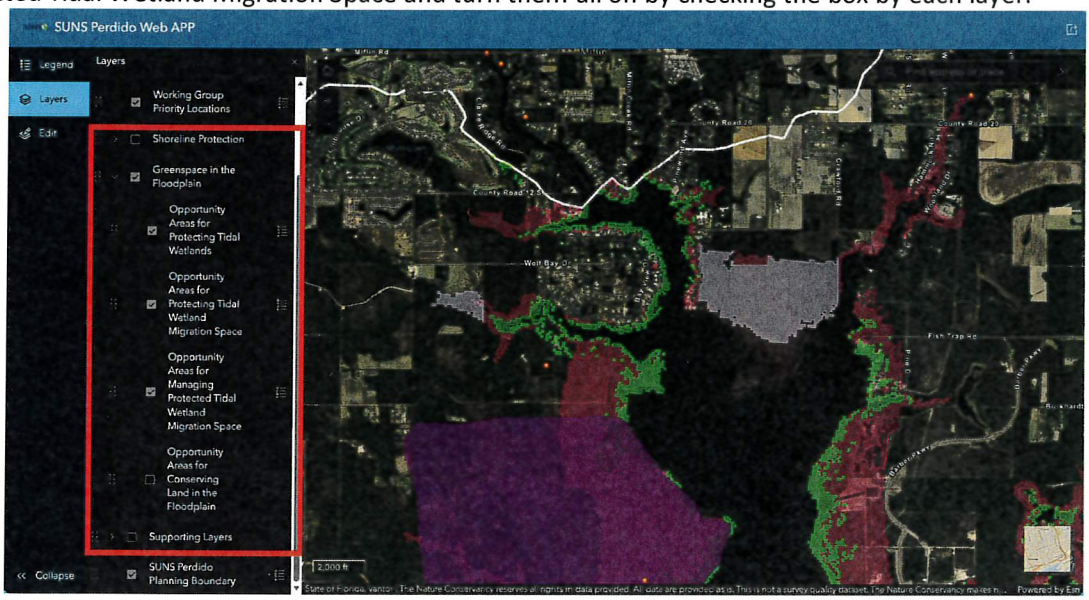
3. Add in **Supporting Layers** to guide your prioritization of where conserving land in the floodplain would be most critical. These layers could include Protected Lands, Sea Level Rise Inundation, Southeast Conservation Blueprint. The example below shows Protected Lands with the Opportunity Layer Conserving Greenspace in the Floodplain and you can see potential linkages for future land conservation outlined in the red square.



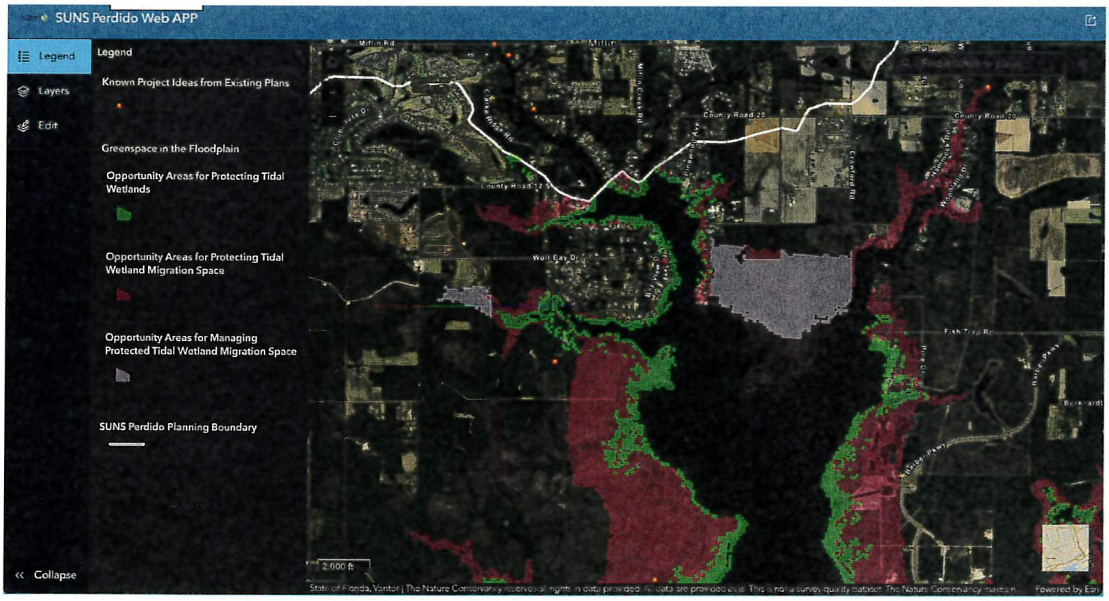
4. Once you have determined your project selection/choice for Conserving Greenspace in the Floodplain, go to page 15 to learn how to add a **SUNS Project Idea** into the Perdido SUNS Map App.

Opportunity Areas for Conserving Tidal Wetlands Now & In The Future

5. Look at the **Opportunity Layers under Greenspace in the Floodplain**: Opportunity Areas for Protecting Tidal Wetlands, Opportunity Areas for Protecting Tidal Wetland Migration Space, Opportunity Areas for Managing Protected Tidal Wetland Migration Space and turn them all on by checking the box by each layer.



Currently, the light green reflects the existing tidal wetlands that are currently not in protected status, the bright pink reflects the migration space needing protection to allow tidal wetland to migrate landward, and the light pink shows where tidal wetland migration space is already protected by public or private entities.



If we zoom in, we see that some of these areas overlap with the purple Priority Location input by one of the Working group members. This means that this priority location contains critical tidal wetlands that may be protectable or improvable to mitigate flooding.

You might also have priorities that are not represented in purple on the map. Some of these areas may be located within the Opportunity Areas for a given NBS type. These might be places where you could implement a project – perhaps an area of chronic coastal flooding, storm surge or a vacant lot that is also considered an Opportunity Area for Coastal Wetlands.

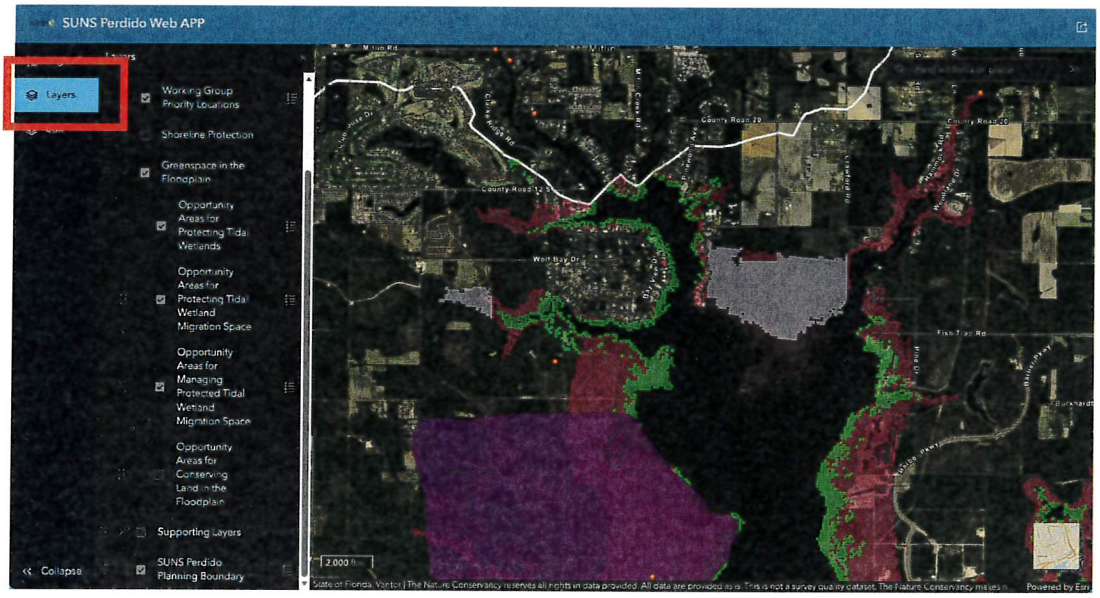
6. Once you have determined your project selection/choice for Tidal Wetlands Protection, go to page 15 to learn how to add a **SUNS Project Idea** into the Perdido SUNS Map App.

Key Note: You might also find that none of your priority areas overlap with a given NBS type (see below). That is OK and in some cases is preferred! Currently, we only have suitability information for two NBS types, and we have one more Workshop covering two more NBS types (Community Stormwater Management and Regional Recreational Economy). If you would like additional ideas for exploring the map and project brainstorming, you can skip to the sections below.

Adding SUNS Projects to the Map App

Once you have identified a **SUNS Project Idea** under one of our planning themes (Shoreline Protection/Greenspace in the Floodplain), you can add it directly to the Map App. [Note: This process is very similar to adding "Working Group Priority Locations" and only differs by asking for more project details.]

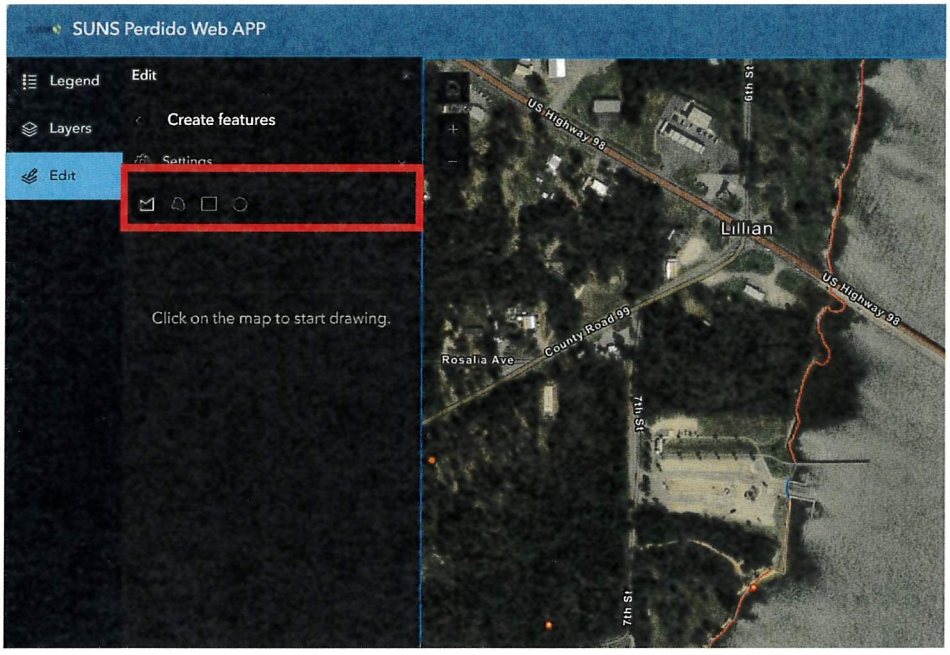
1. First, you can turn on **Working Group Priority Locations** or other layers **(NBS Opportunities, Supporting Layers)** and once you have zoomed into the location that you are interested in, click the "**Edit**" tab on the left side of screen and a small editing window will pop up where list of layers was originally. Make sure **SUNS Project Ideas** is turned on.



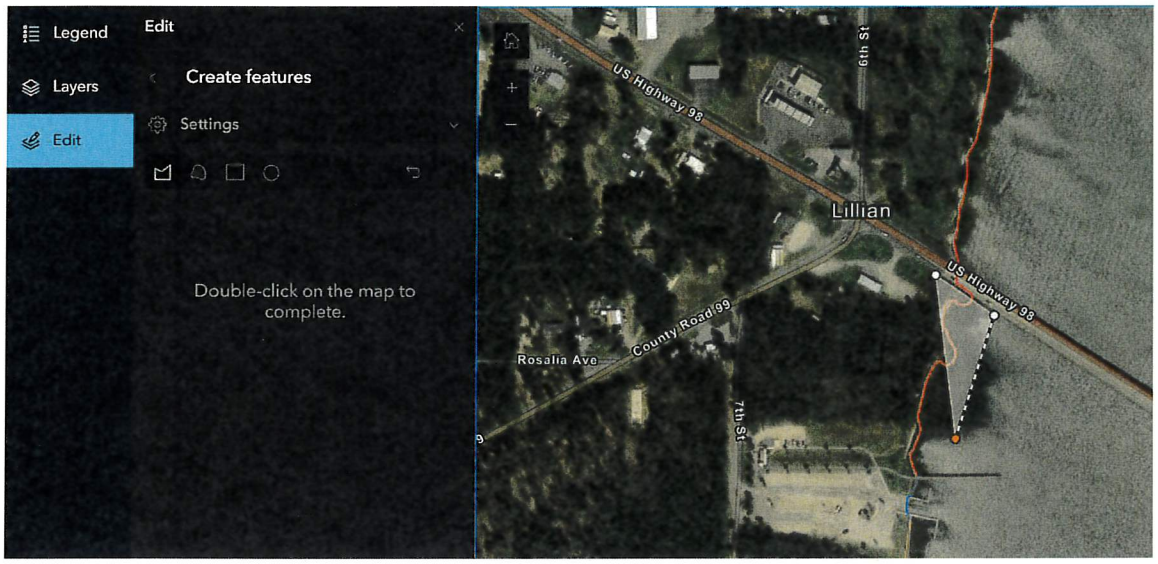
2. Click **New Feature** under "SUNS Project Ideas"



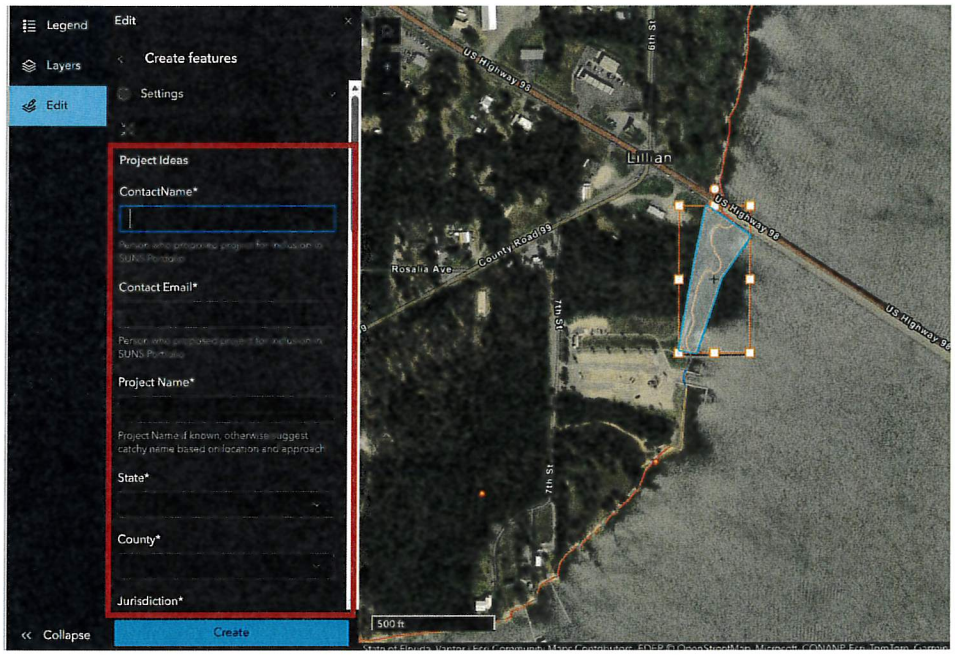
3. Click one of the editing tools (polygon, freehand polygon, rectangle, or circle) to choose your choice of shape to draw on the map.



4. After selecting "polygon", click first point on map and click all points (vertices) and double click on last point to close out polygon.



5. Fill in information about the project: Contact Name and Email; Project Name; State, County, Jurisdiction; Proposed Lead Organization; Potential Partners; Location(intersection/waterbody); Pre-SUNS phase status; Project Scope (main focus); Project Description; Land Acquisition (Y or N); Issue; Specific NBS (at least 1); Funding status; Attachment available?



6. Click "**Create**" when finished. This is important! If you navigate away from the Edit tab without clicking "**Create**," your project idea will not be saved to the Map App.

Additional Thoughts

Regional connections:
Larger projects have the power to generate greater impacts and benefits and qualify for unique funding opportunities. Are there areas where you could implement a larger project and involve partners from other jurisdictions?

Overlapping opportunities:
The opportunity areas are transparent, which helps you see when they are layered on top of one another. Areas that contain two or more opportunity types could be particularly good candidates for projects.

SUNS Perdido Working Group
Workshop #2 Agenda
Monday, October 27, 2025
9:00 to 12:00 AM CT
Orange Beach Community Center
27235 Canal Rd, Orange Beach, AL 36561

8:45 – 9:00 am *15 min*	**Sign in / Participants Arrive**
9:00 – 9:10 am *10 min*	**Welcome & Introductions** (Mary Kate)
9:10 – 9:20 am *10 min*	**SUNS Overview, Review of SUNS Goals and update of Working Group timeline** (Mary Kate)
9:20 – 10:00 am *40 min*	**Purpose of NBS, explore coastal hazards facing Perdido, understand how NBS reduces risk, and vote on top NBS for SUNS** (Matt / Chris)
10:00 – 10:35 am *35 min*	**SUNS Planning Themes** (Chris /Mary Kate)
10:35 – 11:20 am *45 min*	**Introduction to Perdido SUNS Map App, Overview of Map App and demonstration** (Chris/Karrie)
11:20 – 11:30 am *10 min*	**Close out and Next Steps** (Mary Kate)
11:30 – 12:00 pm *30 min*	**LUNCH – grab a boxed lunch and ask questions/discuss!**

TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bv	*4.4.1*	*Local Partnerships*	*In year one(1), the County will see to partner with USDA/NRCS to educate Livestock Farmers regarding potential pathogen pollution impacts to local streams*	*Pathogens*	*P&Z*
Date	**2025/2026**	**Partners**	**Meeting Topic**		
NA		NA	No Activity Planned for This Permit Year		

TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bv	*4.4.1*	*Local Partnerships*	*Eastern Shore MS4 Meetings in years one(1) through five(5), host or attend one meeting a year*	*All*	*P&Z*

ESMS4 Meetings	**Permit Year 2025/2026**	
Date	**Meeting Topic**	**Attendance**
2/20/2026	Partner Updates	**6**

BALDWIN COUNTY, ALABAMA

ES MS4 Meeting
Agenda
February 20, 2026, 2:00 PM
BC Fairhope Satellite Court House-Commissioner Conference Room

---

1) Call to Order

2) ES MS4 Partners:

ALDOT	Jason Malone, ALDOT-SW Environmental Coordinator
Baldwin County	Ashley Campbell & James Howard – Nat.Resource Planners
Daphne:	Jesi Ward - Environmental Program Manager
Fairhope:	Nicole Love - Grants Coordinator
Spanish Fort:	Caleb Harper - Environmental Manager

3) ES MS4 Partner Discussions

A. ALDOT

B. Baldwin County
- AGWA, Stream & Rain Gauges
- Environmental Stewardship Awards
- EAC/EAB Annual Meeting
- Watershed Signs

C. Daphne
- TMDL Designation
- MBNEP CCMP

D. Fairhope
- MS4 Permit Updates
- ADEM Permit Updates

E. Spanish Fort

4) Adjournment

CREATE A Clean Water FUTURE

ES MS4 Meeting
Minutes
February 20, 2026, 2:00 PM
BC Fairhope Satellite Court House-Commissioner Conference Room

---

1) Meeting Called to Order at 2:03pm

2) ES MS4 Partners:

ALDOT	Jason Malone - SW Environmental Coordinator
Baldwin County	Ashley Campbell & James Howard - Nat.Resource Planners
Daphne:	Jesi Ward - Environmental Program Manager
Fairhope:	Nicole Love - Grants Coordinator
Spanish Fort:	Caleb Harper - Environmental Manager

3) ES MS4 Partner Discussions

A. ALDOT

- Jason Malone is the new MS4 Contact
- Jason will provide a contact list for this region
  - SW Region Regional Engineer – Matt Ericksen
  - SW Region Assistant Regional Engineer – Brian Aaron
  - SW Region Operations Engineer – Don Powell
  - Environmental Compliance Coordinator – Jason Malone
  - District Administrator District 92 (Baldwin Co.) – Jason Shaw
  - Maintenance Engineer – Currently Unoccupied

- Watershed Signage was discussed.
  - MBNEP will be submitting a list of signs that MBNEP and its partners would install on state ROW
  - The new ALDOT watershed signs were discussed
  - The ALDOT rest area's education program involving recycling material trash cages was discussed

B. Baldwin County

- MBNEP
  - Latest CBMPP video was discussed
  - Clean Water Future and MBNEP website resources were discussed
- Baldwin County Solid Waste Disposal Authority
  - A discussion was held regarding the BCSWDA's Centers for Hard to Recycle Materials (CHARMS), Curbside Recycle Pickup and the Material Recovery Facility (MRF)

- A discussion was held regarding the disposal of used tires in Baldwin County. Baldwin County agreed to reach out to David Deyton and see if ESMS4 could partner on this effort.
- Amnesty Day - Baldwin County will verify if this takes place this year

- AGWA, Stream & Rain Gauges was discussed
  - AGWA aids in determining if development will have downstream impacts
  - Future thoughts on sharing AGWA licenses was discussed
- Environmental Stewardship Awards was discussed
  - Award Nomination have closed
  - Vote will occur soon and the award presentation will be in April
- EAC/EAB Annual Meeting - A joint meeting with the ESMS4 representative and the current Environmental Advisory Boards and Committee.
  - Month: August
  - Time: 4:00pm
  - Location: TBD
  - Food: Coffee and Cookies
  - Agenda: A Call to Action - Set agenda to keep group on track
  - Eastern Shore Watershed Group-A discussion was held about forming an Eastern Shore Watershed Group. This will be presented at the joint meeting.
- Watershed Signs - Discussed under ALDOT's items
- Conservation Plans - James mentioned the County's effort to create Conservation Plans for the county's larger parcels. The first plan will be Live Oak and Bicentennial. Once completed, we hope to have a template plan that others can use in this effort.

C. Daphne

- TMDL Designation - A discussion was held regarding TMDL and what is required once the TMDL is final.
- MBNEP CCMP - A discussion was held regarding the use of the CCMP and Watershed Plans. These plans should be referenced when applicable during any grant application and for future land use planning.
- Rain Barrel Workshop - The Daphne plans to partner with ESMS4s to provide a Rain Barrel Workshop/Homeowner Low Impact Development (LID) Workshop in June or July of 2026

D. Fairhope

- MS4 Permit Updates - Permits will renew in September. Applications are due 60-90 days prior to expiration. The permit application should include an updated Storm Water Management Program Plan with new minimal control measure goals.
- MS4 Audit - Nicole mentioned that she has an audit in April
- ADEM Permit Updates - The new permit proposed updated to natural buffers, CBMPP certification and project phasing.
- Storm Drain Painting - Fairhope High School Art Classes will compete to design storm drain paintings. Five will be chosen and used to paint city storm drains as MS4 education outreach.

E. Spanish Fort

- Valor Park on causeway shoreline restoration was discussed
- Honor Park on Bay Minette Creek was discussed. The park will have recreational trail.

4) Adjournment at 3:45 pm

cleanwaterfuture.com

TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1	*4.4.1.1*	*Local Partnerships-Clean Water Future Campaign*	*Throughout permit cycle continue to support the Clean Water Future Campaign*	*All*	*P&Z*
2025/2026		Location	Link-Example		
		Baldwin County EAC Webpage	Environmental Advisory Committee (baldwincountyal.gov)		
		EAC Meeting Minutes	CWF Logo Use on Meeting Minutes		

TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1	*4.4.2*	*Articles in Local Media & Brochures*	*Once per permit cycle, survey Environmental Advisory Committee(EAC) to determine target storm water pollutants and audiences for MS4 Education Outreach Program*	*All*	*P&Z*

2025/2026		No Activity
2024/2025	**Date**	**Title**
	3/4/2025	EAC Education Outreach Survey
	Ranking	**Title**
	Rank Importance 1-6	**Target Issue/Pollution**
	1	Stormwater Volume
	2	Sediment/Erosion
	3	Pathogens
	4	Fertilizers/Pesticide
	5	Trash
	6	Oil/Grease
	Rank Importance 1-10	**Video Title**
	1	Protecting Alabama's Waters
	2	Stormwater & Pollution
	3	Construction BMP Video
	4	Understanding Your Watershed
	5	Why is There a Pond in My Backyard
	6	Low Impact Development
	7	Plastic Bag PSA
	8	Polystyrene Cup PSA
	9	Understanding the MS4 Process
	10	All The Cups - by Jack
	Rank Importance 1-3	**Brochure Title**
	1	Wetlands
	2	Construction BMP's
	3	Rain Barrell
	Other Brochure Suggestions:	**Translate to Spanish**
	Other Location Suggestions:	**Libraries, Senior Centers**
	Rank Importance 1-5	**Workshop/Training**
	1	Low Impact Development
	2	Construction BMPs
	3	Wetlands
	4	Rain Barrell

TABLE 4-2 BALDWIN COUNTY PHASE II MS4

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NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1	*4.4.2*	*Articles in Local Media & Brochures*	*In years one(1) through five(5) create and update a list of local media outlets*	*All*	*P&Z*
2025/2026		**Local Media**			
		Paper & Magazines		**Contact**	
		Bulletin-ES Courier-Gulf coast News Media		Natalie Williamson	
		Lagniappe		Gabe Tines	
		MBNEP Coastal Connection		Christian Miller	
		Mobile Press Register - AL.com		Mary Helene Hall	
		Radio & TV		**Contact**	
		WHEP 1210 AM		Clark Stewart	
		WKRG 5 TV Station		Debbie Williams	
		Fox 10		Erik Reynolds	

TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1	*4.4.2*	*Articles in Local Media & Brochures*	*Throughout the permit cycle, the County will submit or participate in five(5) Stormwater related materials/Facebook post/articles being released to local media outlet or social media*	*All*	*P&Z*

2025/2026

Qty	Date	Media Source	Topic
1	4/24/2026	Facebook Post	2026 EAC Award Presentation
2	3/20/2026	Facebook Post	AWW Training
3	2/25/2026	Facebook Post	Alabama Storm Water Association Storm Water Report
4	2/12/2026	Facebook Post	Baldwin County LID Training
5	12/22/2025	Facebook Post	2026 EAC Award Nomination
6	12/15/2025	Facebook Post	EAC MRF Tour
7	10/11/2025	Facebook Post	AWW Workshop
8	9/26/2025	Facebook Post	WBNEER Invasive Species Workshop
9	8/21/2025	Facebook Post	MEE Training
10	8/4/2025	Facebook Post	EAC MRF Tour
11	5/22/2025	County Article	Partnerships Driving Expansion of LID Tools and Stream Gauge Monitoring
12	5/8/2025	Facebook Post	2025 EAC Award Presentation Part 2
13	4/29/2025	Facebook Post	ADCNR Boat Launch
14	4/15/2025	Facebook Post	2025 EAC Award Presentation
15	4/10/2025	Facebook Post	Wetland Training
16	4/1/2025	Facebook Post	Wetland ID Class

Baldwin County, AL Commission
Published by Social News Desk · 3m ·

The Baldwin County Commission recently recognized recipients of the 2026 Environmental Stewardship Awards.

These awards celebrate individuals and organizations who go above and beyond to protect Baldwin County's natural beauty and resources. We appreciate those who are helping preserve our environment for future generations.

*not pictured - Justice Manning

#BaldwinCountyAL #EnvironmentalStewardship #KeepBaldwinBeautiful #CommunityLeadership



Baldwin County, AL Commission's Post

Baldwin County, AL Commission
22h ·

🌿 Investing in the protection of our waterways 🌿

Last week, Baldwin County Planning & Zoning staff joined partners at Graham Creek Nature Preserve for Alabama Water Watch training focused on water quality monitoring.

Participants learned how to collect and test water samples, helping support efforts to better understand and protect our local waterways.

We appreciate Alabama Water Watch and the Mobile Bay National Estuary Program for their partnership in making this training possible.

#BaldwinCountyAL #WaterQuality #EnvironmentalStewardship



Graham Creek Nature Preserve
23h ·

Last Friday Graham Creek Nature Preserve hosted an Alabama Water Watch Chemistry and Bacteriological Monitoring Training. In this training participants learned how to pull and test water samples for bacteriological indicators and chemical parameters like dissolved oxygen, pH, turbidity, alkalinity, hardness, and salinity.

Alabama Water Watch volunteers play a vital role in collecting data to monitor baseline water quality trends throughout Alabama. The data collected by volunteer monitors is used across the state by municipalities, nonprofits, and state agencies to understand, protect, and manage Alabama's waterways.

Many thanks to Alabama Water Watch, Baldwin County Planning and Zoning, and the Mobile Bay National Estuary Program for making this training possible.

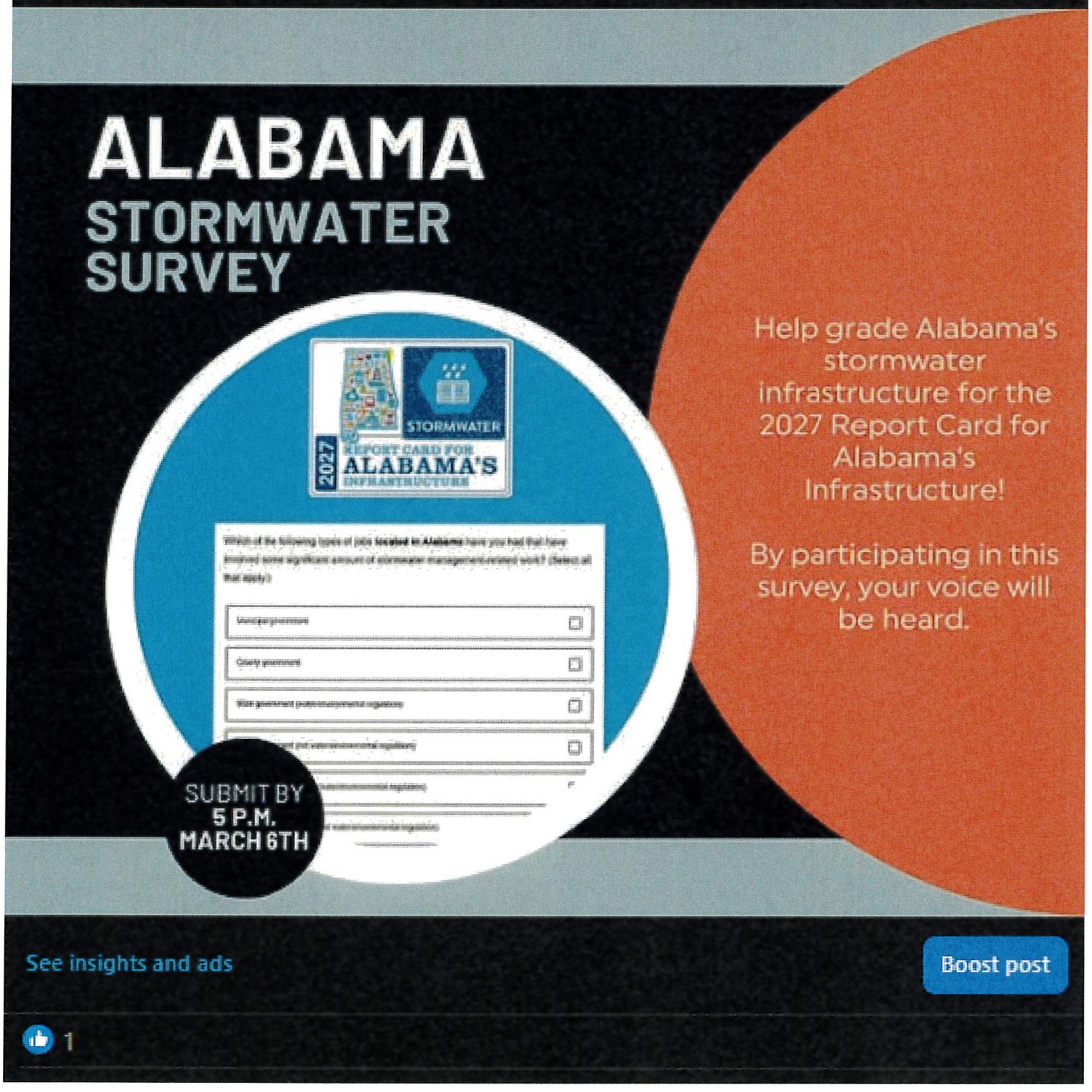
Baldwin County, AL Commission
Published by Social News Desk · 18h ·

ASCE Alabama Section & the Alabama ASA Are Giving You an Opportunity to Grade Alabama's Stormwater Infrastructure!

If you're an Alabama stormwater professional, this is your opportunity to help shape the grade.

The survey takes just 5–10 minutes.
Please complete it by 5:00 PM on Friday, March 6, 2026.
Take the survey: https://auburn.qualtrics.com/jfe/form/SV_4N1YHGbpx7rSSIS

#BaldwinCountyAL #AlabamaSurvey #StormwaterInfrastructure



See insights and ads

Boost post

1

Baldwin County, AL Commission
Published by Social News Desk · February 13 at 9:55 AM ·

💧 Stormwater Management Design & Review Training – Building Smarter, More Resilient Infrastructure 💧

Baldwin County brought together more than 50 local government professionals, engineers, consultants, developers, and contractors for a Stormwater Management Design & Review Training focused on strengthening best practices across our community.

Participants worked to:
✓ Become more knowledgeable of Baldwin County's recently strengthened Stormwater Management Design Criteria
✓ Learn how to use Baldwin County's Low Impact Development Suspended Solids & Nutrient Load Reduction Review Tool
✓ Gain experience with AGWA stormwater management modeling

These tools are critical to protecting water quality, reducing flooding impacts, and ensuring responsible development as Baldwin County continues to grow.

We're grateful for the expertise and partnership of today's facilitators:
• Mobile Bay National Estuary Program – Jason Kudulis & Cody Aloi
• 5020 Engineering Resource Group, Inc. – Wade Burcham
• Hydro Engineering Solutions – John Curry & Dewayne Smith
• Baldwin County Planning and Zoning – Jay Dickson & Josh Newman

Collaboration like this ensures our review processes remain consistent and aligned with Baldwin County's commitment to sustainable growth and environmental stewardship.

#BaldwinCountyAL #StormwaterManagement #Infrastructure #PlanningAndZoning









Baldwin County, AL Commission
Published by Social News Desk · 1h ·

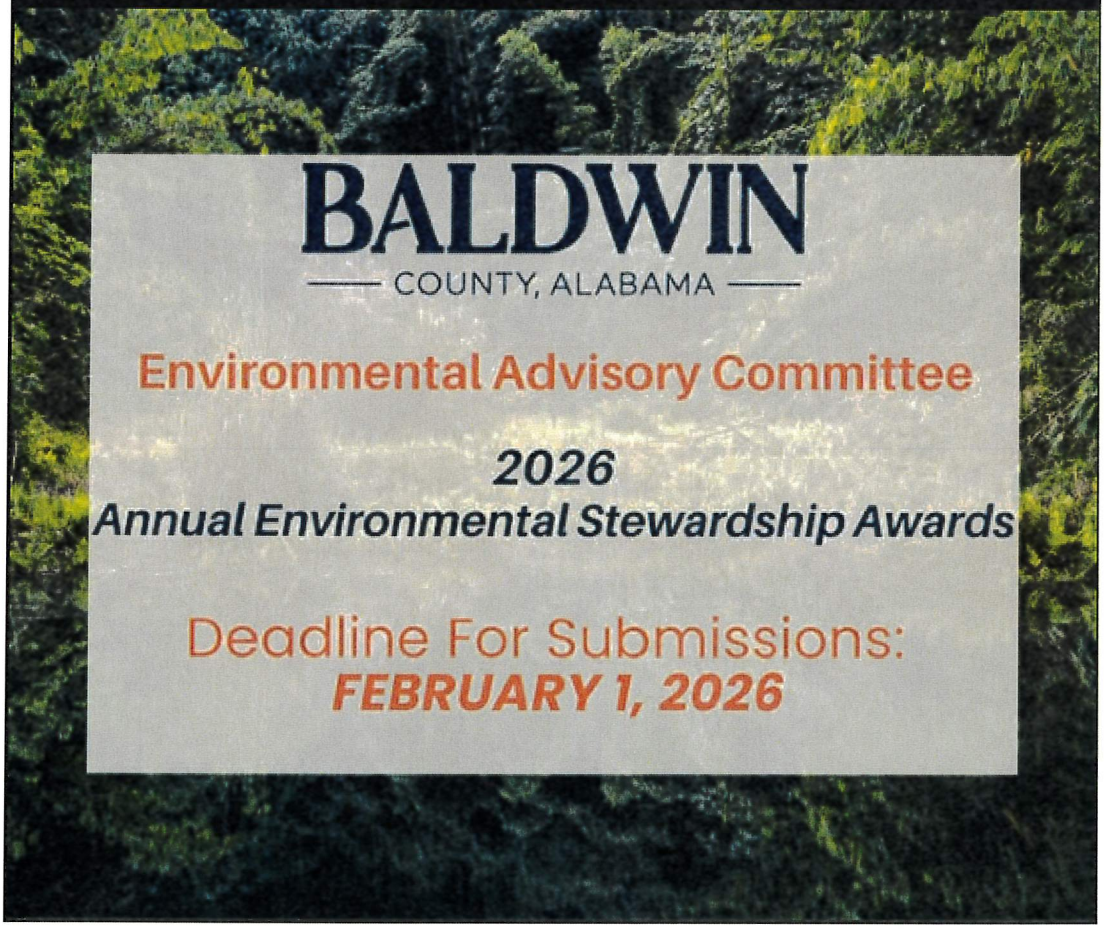
It's that time of the year! The Baldwin County Environmental Advisory Committee is ***NOW ACCEPTING NOMINATIONS*** for the **2026 Annual Environmental Stewardship Awards!**

Nomination form:https://baldwincountyal.gov/.../enviro.../eac-awards-program

Categories Include:
- Individual Citizens
- Small Business
- Large Business
- Environmental Organization
- Educational Program
- Teacher
- Government Agency
- Student Initiative
- Agriculture/Forestry

Submit completed forms by **February 1, 2026**, to:
james.howard@baldwincountyal.gov

#BaldwinCountyCommission #BaldwinCountyAL #EnviromentalStewardship



Baldwin County, AL Commission
Published by Social News Desk · 3m ·

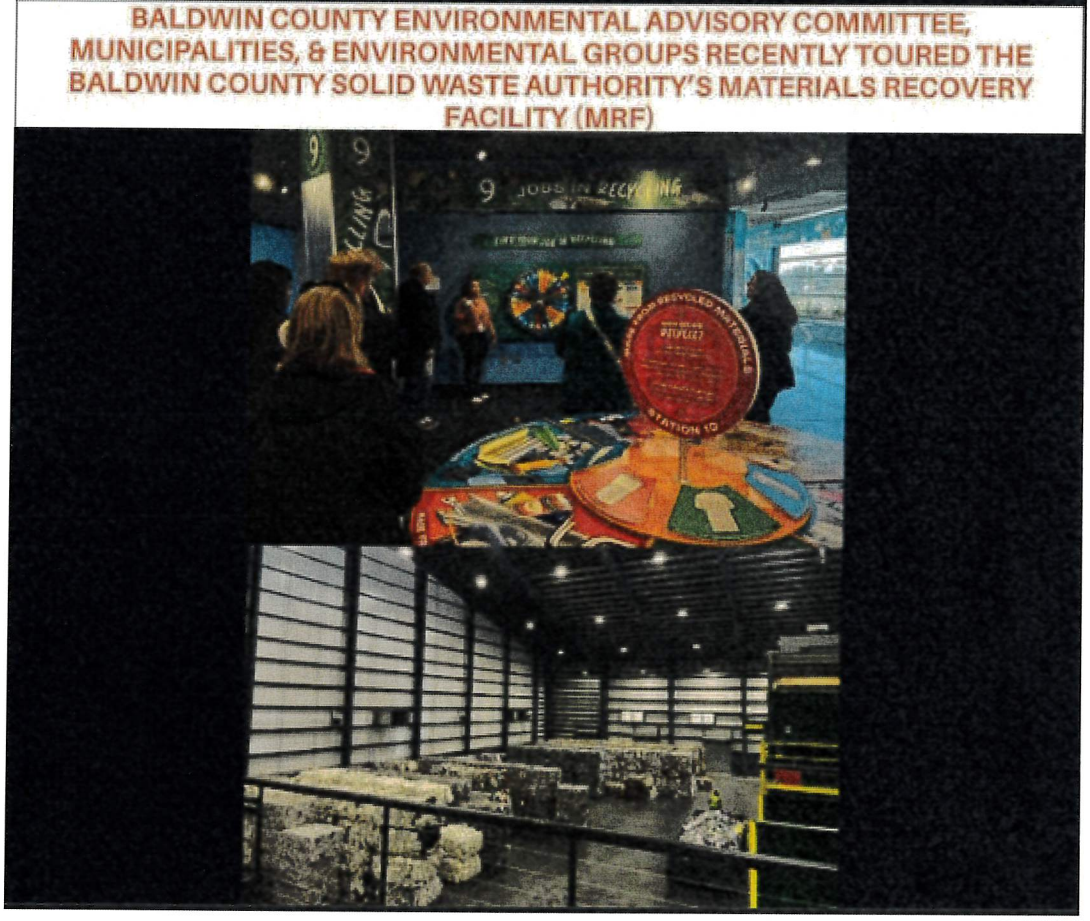
Last week on 12/9, Baldwin County's Environmental Advisory Committee invited cities and environmental groups to tour the Solid Waste Disposal Authority of Baldwin County, AL's Materials Recovery Facility (MRF) in Summerdale.

The 62,000 sq. ft. facility, located next to the Magnolia Landfill, opened earlier this year and processes up to 40,000 tons of recyclables annually. Using a state-of-the-art Green Machine recycling line, the MRF handles plastics #1–7, metals, paper, and cardboard.

The 7,000 sq. ft. Waste and Recycling Adventure Center (WRAC) features interactive exhibits on recycling, waste management, and sustainability. Visitors can explore the recycling process, career paths, and view the MRF in action. It also features exhibits on landfill operations and a new gas-to-energy plant.

To sign up for tours, visit: baldwincountyswda.org

#BaldwinCountyCommission #BaldwinCountyAL #EnvironmentalStewardship #BaldwinPartnerships

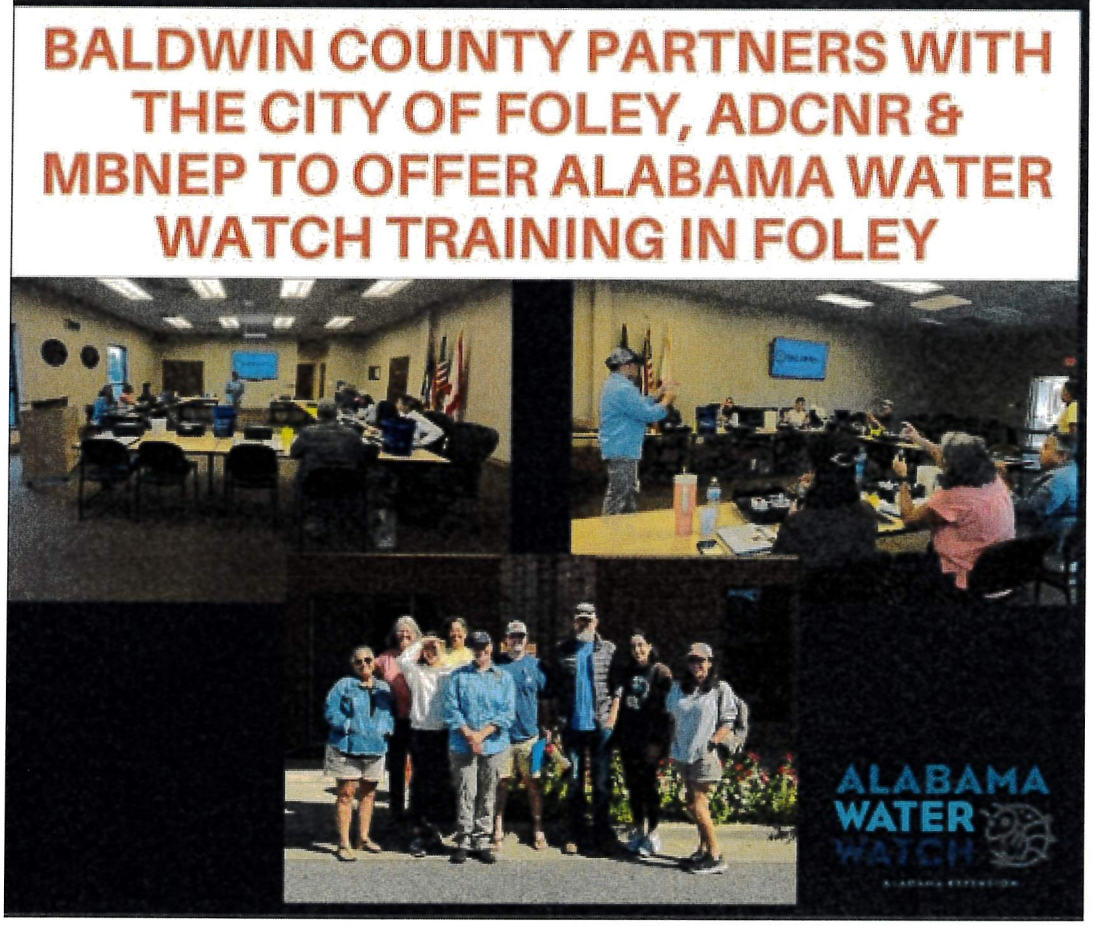


Baldwin County, AL Commission
Published by Social News Desk · 31m ·

Baldwin County recently teamed up with the City of Foley, the Alabama Department of Conservation and Natural Resources (ADCNR), and the Mobile Bay National Estuary Program (MBNEP) to host an Alabama Water Watch (AWW) Training in Foley!

This hands-on workshop brought together local residents and community partners to learn how to monitor and protect the health of our waterways. Participants were trained to use EPA-approved methods for measuring water quality and learned how citizen data can directly impact waterbody restoration, protection, and policy.

#BaldwinCountyCommission #BaldwinCountyAL #EnvironmentalStewardship



Baldwin County, AL Commission
Published by Baldwin Cc · Just now ·

‼️ LEARNING OPPORTUNITY ‼️
✓Mark your calendars 📅 for September 26, 2025, for a chance to gain knowledge on the identification, ecology, control, and prevention of the most prevalent and destructive plants on the central Gulf coast.

Register here! https://tinyurl.com/52hcc93w

WEEKS BAY
NATIONAL ESTUARINE RESEARCH RESERVE

INVASIVE EXOTIC PLANT IDENTIFICATION, CONTROL, & PREVENTION WORKSHOP

Gain knowledge on the identification, ecology, control, and prevention of the most prevalent and destructive plants on the central Gulf coast.



Training Designed for:

- Natural Resource Management Professionals
- Government Employees
- Plant Nursery Owners/Staff
- Landscapers
- Master Gardeners
- Homeowners

September 26 2025

8:00 AM - 4:00 PM

Weeks Bay Tonsmeire Resource Center
11525 US Hwy 98, Fairhope AL 36532

$25 per person, lunch included!

REGISTER NOW

https://forms.gle/lUSgzxqppHNAFkKC6

Questions? Email: johanna.gertsch@dcnr.alabama.gov

See insights and ads

Boost post

Baldwin County, AL Commission
Published by Cloud Campaign
· 9m ·

‼ EDUCATIONAL OPPORTUNITY ‼

FREE TRAINING

Thursday, August 21st
8:30 AM – 4:00 PM
Gulf Coast Research & Extension Center
8300 Hwy 104, Fairhope, AL

Registration is required – Call 251-937-7176 or email bannicj@aces.edu

VOLUNTEER OPPORTUNITY!

TEACH STUDENTS ENVIRONMENTAL STEWARDSHIP

Making a World of Difference

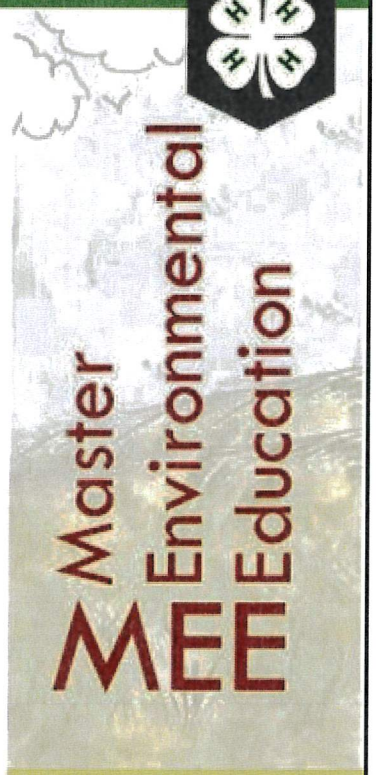
FREE TRAINING – AUGUST 21ST
Thursday, August 21st - Gulf Coast Research & Extension Center
8300 Hwy 104, Fairhope, 8:30 am – 4:00 pm

Volunteers with Alabama 4-H travel throughout Baldwin County to public and private schools to present environmental lessons to students.



Registration Required. Call the Baldwin County Extension Office @ 937-7176 or email bannicj@aces.edu

Alabama Water Watch * Groundwater Pollution * Recycling * The Water Cycle * Invasive Plant Species * Aquatic Nuisance Species * Energy * Stormwater Pollution * Backyard Wildlife Habitats



Baldwin County Extension Office
302-A Byrne Street
Bay Minette, AL 36507
937-7176

extension
ALABAMA A&M & AUBURN UNIVERSITIES

THE ALABAMA COOPERATIVE EXTENSION SYSTEM (ALABAMA A&M UNIVERSITY AND AUBURN UNIVERSITY) IS AN EQUAL OPPORTUNITY EDUCATOR AND EMPLOYER AND PROVIDER. IF YOU NEED A REASONABLE ACCOMMODATION OR FREE LANGUAGE ACCESS SERVICES, CONTACT SARAH BUTTERWORTH AT 251 937 7176. BALDWIN COUNTY PROGRAMS ARE SUPPORTED BY THE BALDWIN COUNTY COMMISSION.

Baldwin County, AL Commission
Published by Baldwin Cc · 18m ·

Baldwin County's Environmental Advisory Committee and Friends recently toured the Baldwin County Solid Waste Authority's Materials Recovery Facility (MRF).

The Baldwin County Materials Recovery Facility (MRF) in Summerdale, AL, is a 62,000 sq. ft. center next to the Magnolia Landfill. It processes up to 40,000 tons of recyclables per year, including plastics #1–7, metals, paper, and cardboard, using a Green Machine recycling line.

The Waste and Recycling Adventure Center (WRAC) is a 7,000 sq. ft. educational center with interactive exhibits on recycling, waste management, and sustainability. Visitors can explore the recycling process, career paths, and view the MRF in action. It also features exhibits on landfill operations and a new gas-to-energy plant.

To sign up for tours, visit: baldwincountyswda.org





See insights and ads

Boost post

2

Baldwin County Commission

Baldwin County Commission

For Immediate Release
May 22, 2025

Media Contact:
Name: Taylor Bufkin
Title: Public Information & Communications Specialist
Phone: 251.200.9015
Email: taylor.bufkin@baldwincountyal.gov

The Baldwin County Commission Partners with Mobile Bay National Estuary Program and Dauphin Island Sea Lab to Expand Baldwin County Stream Gauge Monitoring & Low Impact Development Stormwater Review Tool

The Baldwin County Commission has entered into a Subrecipient Agreement with the Mobile Bay National Estuary Program (MBNEP) and Dauphin Island Sea Lab to enhance Stream Gauge Monitoring in Baldwin County and to develop a Low Impact Development (LID) stormwater review tool. The agreement, effective May 20, 2025, through April 30, 2026, marks a continued investment in Baldwin County's long-term water resource management strategy. This project has been funded through a financial partnership with the U.S. Environmental Protection Agency's National Estuary Program.

In 2024, Baldwin County partnered with MBNEP to install several stream and rain gauges across local watersheds, laying the foundation for the County's comprehensive hydrologic modeling initiative. This agreement expands the comprehensive hydrologic modeling initiative by installing four additional gauges: three at strategic locations along the Styx River and one in the Magnolia River.

The hydrologic modeling initiative supports the implementation of Mobile Bay NEP's Comprehensive Conservation and Management Plan as well as action items recommended in the Baldwin County regional Watershed Management Plans (WMPs). This program provides beneficial hydrologic data for watersheds within the County that can be used for long-range planning to properly guide future growth and restoration projects within each watershed of the County.

-more-

The Baldwin County Subdivision Regulations that were adopted by the Baldwin County Commission on January 7, 2025, require LID stormwater design for higher density developments within the County. The LID stormwater review tool funded through this agreement will assist engineers and designers with evaluating stormwater designs which are required to reduce the post-development stormwater runoff rate and improve the water quality of stormwater runoff.

This tool will provide a resource for the County to properly evaluate engineering stormwater design and ensure compliance with the Subdivision Regulations. This agreement will also fund LID stormwater training for the engineering design community as well as County and City staff.

Baldwin County is proud to partner with MBNEP, a leader in restoring and protecting our coastal waters and natural resources.

For more information, please fill out a media request submission form at: https://baldwincountyal.gov/departments/county-administration/media-request.

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Baldwin County, AL Commission
Published by Cloud Campaign
· 7m ·

Chairman McKenzie stopped by Gulf Shores Elementary today to present Mason Hobgood with his Environmental Stewardship Award. Mason was honored with the Student Initiative Award, but missed the Baldwin County Commission Meeting due to Spring Break .

Mason, a first-grade environmental hero, spends his free time picking up trash at state parks, on beaches, and even on his walk to school. His passion for keeping our planet clean is truly inspiring — and it's spreading to students and adults alike!

Way to go, Mason!



See insights and ads

Boost post

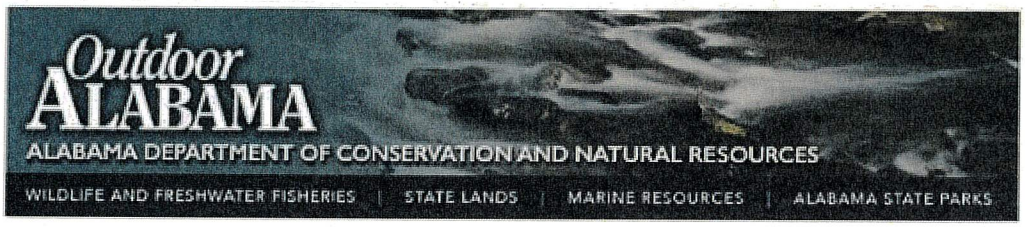
1

Baldwin County, AL Commission
Published by Cloud Campaign
· 3m ·

The Alabama Department of Conservation and Natural Resources (ADCNR) will temporarily close the Bay Watch Boat Ramp facility in Baldwin County for renovations on May 5, 2025. The facility is adjacent to the U.S. Highway 98 bridge at the mouth of the Fish River. The project is expected to be completed by early August 2025, weather permitting.

During the closure, the parking area will be paved and parking will be marked for visitors, boats and trailers and boat tie down areas. ADA (Americans with Disabilities Act) parking will also be created. The project is designed to improve visitor parking and access to the Bay Watch Boat Ramp and the Weeks Bay National Estuarine Research Reserve Resource Center. The project was funded by ADCNR from GOMESA funds.

Public access to the site, including the boat ramp, kayak launch and ADCNR State Lands Division Weeks Bay Resource Center, will not be permitted throughout the renovation process. The View Point Launch located at the southern end of Baldwin County Road 1 will remain open for local access to the Fish River, Mobile Bay and Bon Secour Bay. More information about boating access locations in coastal Alabama is available at http://www.outdooralabama.com/.../coastal-alabama-boating....



Press release
April 29, 2025
Contact: Weeks Bay Visitor Center, (251) 928-9792

Bay Watch Boat Ramp Temporarily Closes For Parking Area Renovation

The Alabama Department of Conservation and Natural Resources (ADCNR) will temporarily close the Bay Watch Boat Ramp facility in Baldwin County for renovations on May 5, 2025. The facility is adjacent to the U.S. Highway 98 bridge at the mouth of the Fish River. The project is expected to be completed by early August 2025, weather permitting.

"The Bay Watch parking area renovation is part of a series of boating access improvement projects currently in progress throughout the state," said Chris Blankenship, ADCNR Commissioner. "Recent projects in south Alabama include improvements to the Mount Vernon Public Boat Ramp, Chocolatta Boat Ramp on the Causeway and the Billy Goat Hole Boat Ramp on Dauphin Island. We're also working with Mobile County to build a new ramp at Cedar Point. These projects will provide our boaters and anglers with improved access to outdoor recreation for many decades."

During the closure, the parking area will be paved and parking will be marked for visitors, boats and trailers and boat tie down areas. ADA (Americans with Disabilities Act) parking will also be created. The project is designed to improve visitor parking and access to the Bay Watch Boat Ramp and the Weeks Bay National Estuarine Research Reserve Resource Center. The project was funded by ADCNR from GOMESA funds.

Public access to the site, including the boat ramp, kayak launch and ADCNR State Lands Division Weeks Bay Resource Center, will not be permitted throughout the renovation process. The View Point Launch located at the southern end of Baldwin County Road 1 will remain open for local access to the Fish River, Mobile Bay and Bon Secour Bay. More information about boating access locations in coastal Alabama is available at www.outdooralabama.com/boating/coastal-alabama-boating-access.

ADCNR promotes wise stewardship, management and enjoyment of Alabama's natural resources through four divisions: Marine Resources, State Lands, State Parks, and Wildlife and Freshwater Fisheries. Learn more at www.outdooralabama.com.

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Baldwin County, AL Commission is with **Mobile Bay National Estuary Program.**
Published by Cloud Campaign

· April 15 at 3:11 PM ·

This morning, the Baldwin County Commission adopted a Resolution that recognizes the Baldwin County Environmental Advisory Committee 2025 Environmental Stewardship Award recipients which are listed below:

Agriculture ~ Cleverdon Farms
Forestry ~ B&B Outdoors Quality Forest Solutions
Small Business ~ Streamline Environmental
Educational Program ~ Mississippi-Alabama Sea Grant Consortium
Teacher ~ Charlotte Roberts
Non-Profit ~ Alabama Coastal Foundation
Government Employee ~ Mark Wetzel
Individual Citizen ~ Ben Raines
Government Agency ~ Natural Resource Conservation Service (NRCS)
Student ~ Mason Hobgood
Special Recognition ~ Solid Waste Disposal Authority of Baldwin County, AL
Special Recognition ~ In Memory of Casey Fulford



See insights and ads

Boost post

57

2 comments 20 shares

Like Comment Send Share

Baldwin County, AL Commission
Published by Cloud Campaign
· 42m ·

It was a great week at Weeks Bay Reserve diving into the world of wetlands, gaining essential knowledge and hands-on skills to support wetland conservation and meet regulatory goals.

Attendees explored:
- Wetland vegetation indicators
- Hydric soils
- ... See more



vegetation indicators, hydric soils, and hydrology at the Wetland Identification and Delineation Course.

When: April 1-4, 2025

Where: Weeks Bay Reserve Resource Center, 11525 US Hwy 98, Fairhope, AL 36532

Register here: https://tinyurl.com/35srr7jj

ADCNR Weeks Bay
National Estuarine Research Reserve

WETLAND IDENTIFICATION AND DELINEATION COURSE

Gain knowledge and skills to meet wetland conservation goals or regulatory needs. Learn wetland vegetation indicators, hydric soils, and hydrology.

APRIL 1-4 2025
COST: $250

Questions? Email:

johanna.gertsch@dcnr.alabama.gov

Registration

https://forms.gle/pDTVJG3Zju1agHgT7



TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1	*4.4.2*	*Articles in Local Media & Brochures*	*In year one of the permit cycle, the county will compile and update a list of EPA stormwater related education outreach materials*	*All*	*P&Z*
2025/2026		EPA Pollution Prevention	Automotive Repair		
		EPA Concrete Washout	Concrete Washout		
		EPA SPCC Plan Requirements	SPCC		
		EPA Stormwater Smart Outreach Tool	Stormwater Smart Outreach Tools | US EPA		
		Infographic Stormwater Flow	Stormwater Flow		
		Stormwater Smart Brochures	Investments		
		Stormwater Smart Brochures	Know What Happens		
		Stormwater Smart Brochures	Suburban Steps		
		Stormwater Smart Brochures	Urban Steps		
		Stormwater Smart Brochures	Presentation for Municipal Officials		
		Stormwater Smart Social Media Graphic	Trash		
		Stormwater Smart Social Media Graphic	Bio-retention		
		Stormwater Smart Social Media Graphic	Chemicals		
		Stormwater Smart Social Media Graphic	Parking Lots		
		Stormwater Smart Social Media Graphic	Permeable Pavers		
		Stormwater Smart Social Media Graphic	Rain Garden		
		Stormwater Smart Social Media Graphic	Sprinklers		
		Stormwater Smart Social Media Graphic	Street Sweep		
		Stormwater Tip Sheet for Business	Auto Shops		
		Stormwater Tip Sheet for Business	Construction Crews		
		Stormwater Tip Sheet for Business	Construction for Consumers		
		Stormwater Tip Sheet for Business	Lawn Care		
		Stormwater Tip Sheet for Business	Parking Lots		
		Stormwater Tip Sheet for Business	Restaurants		
		Storm Water Best Management Practices	Illicit Discharge Detection & Elimination Program Development		

TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1	*4.4.2*	*Articles in Local Media & Brochures*	*In year one(1) review the county's building locations for brochure distribution and update as needed*	*All*	*P&Z*

2025/2026	
Total Locations	**Location**
1	Foley Satellite Courthouse Building Department Lobby
2	Foley Satellite Courthouse Planning & Zoning Lobby
3	Fairhope Satellite Courthouse Center Lobby
4	Fairhope Satellite Courthouse Probate Lobby
5	Robertsdale Annex I Planning & Zoning Lobby
6	Robertsdale Annex I Council On Aging Lobby
7	Bay Minette Commission

TABLE 4-2 BALDW UNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1	*4.4.2*	*Articles in Local Media & Brochures*	*In year two, initiate a tracking system for EO Brochures-Pamphlets distribution*	*All*	*P&Z*

2025/2026

Total Locations	Location		Qty Maintained	Qty Refill
1	Foley Satellite Courthouse Commission Lobby	(3 Brochures at 10 Each)	30	30
2	Foley Satellite Courthouse Planning & Zoning Lobby	(3 Brochures at 10 Each)	30	12
3	Fairhope Satellite Courthouse Center Lobby	(3 Brochures at 10 Each)	30	30
4	Fairhope Satellite Courthouse Probate Lobby	(3 Brochures at 10 Each)	30	30
5	Robertsdale Annex I Planning & Zoning Lobby	(3 Brochures at 10 Each)	30	4
6	Robertsdale Annex I Council On Aging Lobby	(3 Brochures at 10 Each)	30	12
7	Bay Minette Commission	(3 Brochures at 25 Each)	75	22
		Totals:	255	140

Table 4-2 Baldwin County Phase II MS4

MCM 1- Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1	*4.4.2*	*Articles in Local Media & Brochures*	*Create two stormwater education brochures to targeted pollutant every permit cycle*	*All*	*P&Z*
Year		**Brochure Title**			
2025/2026		NA			

TABLE 4-2 BALDWI UNTY PHASE II MS4

MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bv	*4.4.3*	*Website P&Z Environmental*	*In year 1 of the permit cycle, work with the County's Marketing Department to create & design a separate county environmental web page which will inform and involve individuals and groups on how to participate in storm water programs*	*All*	*P&Z & Marketing*

		Web Page	Link
2025/2026		Environmental Advisory Committee	Environmental Advisory Committee (baldwincountyal.gov)
		Natural Resource Page	Stormwater Information (https://baldwincountyal.gov)

TABLE 4-2 BALDWI)UNTY PHASE II MS4

MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bv	*4.4.3*	*Website P&Z Environmental*	*In year 2 of the permit cycle, work with the County's Marketing Department to release the new environmental web page.*	*All*	*P&Z & Marketing*

	Web Page	Link
2025/2026	Environmental Advisory Committee	Environmental Advisory Committee (baldwincountyal.gov)
	Natural Resource Page	Stormwater Information (baldwincountyal.gov)

TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1biii	*4.4.4*	*Environmental Workshops*	*During the permit cycle, host or sponsor 2 education outreach workshop with at least 1 targeting land development community*	*Sediment, ALL*	*P&Z*
2025/2026	**Date**	**Workshop Title**	**Location**		
1	3/31/2026	ASA MS4 & Constuction Stormwater Regulatory Updates	Montgomery		
2	3/20/2026	AWW Monitoring Training	Foley		
3	2/20/2026	Lakeland POA Lake Management Workshop	Loxley		
4	2/12/2026	Stormwater Management Design & Review Training	Robertsdale		
5	1/29/2026	AGWA Training	Robertsdale		
6	1/26/2026	Well Workshop	Weeks Bay		
7	11/4/2025	BMP Workshop	Fairhope		
8	10/27/2025	WPBWA AWW Lesson	Lillian		
9	9/27/2025	MBNEP Education Day	Magnolia Springs		
10	9/26/2025	Invasive Plant ID, Control, & Prevention Workshop	Weeks Bay		
11	6/27/2025	AWW Training	Foley		
12	6/17/2025	Bay Minette Planning Commission & BOA	Bay Minette		
13	4/1-4/2025	Wetland Training	Weeks Bay		

Alabama Stormwater Association

MS4 & Construction Stormwater Regulatory Updates

March 31, 2026

ALDOT Central Office, Montgomery, AL

10:30 a.m. Welcome

10:40 a.m. **MS4 Permit Compliance: What to Expect in an Audit**
Cammie Ashmore, Devin Jenkins, PE, & Melanie Ratcliffe
Alabama Department of Environmental Management

11:30 a.m. **MS4 Program Updates**
Devin Jenkins, PE
Alabama Department of Environmental Management

11:45 a.m. Lunch

Alabama ASCE Infrastructure Report Card 2027: Stormwater Survey Results
Barry Fagan, PE/PLS, ENV SP, CPMSM, CPESC
Fagan Consulting LLC
Vice Chair, Alabama Stormwater Association

12:45 p.m. **Construction General Permit Update**
Shelane Bergquist & Stephanie Fontaine
Alabama Department of Environmental Management

1:35 p.m. **Alabama Qualified Credentialed Professional (QCP) Certification Program**
Wesley Donald, PhD
Auburn University Department of Civil & Environmental Engineering

2:05 p.m. **Common Compliance Issues on Construction Sites**
Aaron Peters
Alabama Department of Environmental Management

2:30 p.m. Adjournment

Moderator: Scott Hofer, PE, MS
Jefferson County Department of Health
Chair, Alabama Stormwater Association

A special thanks to our sponsors!

ALABAMA SOIL & WATER CONSERVATION COMMITTEE

Faircloth Skimmer

Hydro Engineering Solutions
A Division of Hydro, LLC

SCHOEL

WATER CHEMISTRY & BACTERIOLOGICAL MONITORING TRAINING

FOLEY, AL

1 REGISTER ONLINE BY MARCH 3

2 COMPLETE ONLINE COURSES FOR MONITORING TYPE(S) OF INTEREST
courses open to registrants March 3

3 PARTICIPATE IN FIELD DAY ON MARCH 20 DEMONSTRATE MONITORING METHODS

BECOME A VOLUNTEER WATER MONITOR!



LEARN MORE ABOUT EACH MONITORING TYPE:

BACTERIOLOGICAL Monitoring

WATER CHEMISTRY Monitoring

Sponsored by:

ALABAMA WATER WATCH
ALABAMA EXTENSION

Foley

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

CREATE A Clean Water FUTURE
www.CleanWaterFuture.com

Mobile Bay National Estuary Program

Graham Creek

ALABAMA A&M & AUBURN UNIVERSITIES

Watershed / Lake Management Workshop
Lake Raynagua
02.20.2026

11:00 AM – 2:00 PM
Lakeland HOA Clubhouse
25815 Lakeland Drive,
Loxley, AL 36551

Agenda:

11:00 – 11:10 AM	**Welcome/Intros**	Karen Venema - Lakeland POA & Levi Blackmon – Alabama Extension
11:10 – 11:40 AM	**Lake Management 101**	Eric Manning - Lakeland POA & Levi Blackmon
11:40 – 11:45 AM	**Break**	
11:45 – 12:15 PM	**Master Environmental Education Program - Alabama Water Watch**	Ashley Campbell - Baldwin County Planning & Zoning Dept.
12:15 – 12:35 PM	**Mobile Bay National Estuary Program (Management Plan – Highlights)**	Christian Miller - MBNEP
12:35 – 1:05 PM	**Panel Discussion: Lake/Watershed Management & Goals – Q/A**	Ashley Campbell, Christian Miller, & PJ Waters - Auburn University Marine Ext & Res Center
1:05 – 1:20 PM	**Break**	
1:20 – 1:45 PM	**Watershed Success Story**	Levi Blackmon
1:45 PM	**Closing Remarks**	Sarah Butterworth – Alabama Extension (ACES)

Workshop survey

AUBURN | Extension
ALABAMA A&M and AUBURN UNIVERSITIES

Date: February 20, 2026

Program: **Lake & Watershed Management Workshop: Lake Raynagua**

Location: Loxley, AL (Lakeland Clubhouse)

Name	Email	Phone Number
ERIC MANNING	secretarylakelandpoa@gmail.com	(251) 525-7393
Rex Logan	rexlog@gmail.com	251-554 6332
DAWN GARBARINO	DAWN.GARBARINO@ATT.NET	318.245.1176
Rick + Jill Briggs		513-535-4950
PS Watson	watersp1@auburn.edu	334 703 5017
Jane Barnes	tjbarnes@att.net	530-575-7384
Tobey Barnes	"	"
Ashley	ababb@eschamber.com	
Christian Miller	cmiller@mobilebaynep.com	

AUBURN | extension ALABAMA A&M and AUBURN UNIVERSITIES

Name	Email	Phone Number
ART Riles	Riledup4ARTG yahoo.com	5407851949
MichaelBriggs	mbriggs0962@gmail.com	2054756112
Levi Blackmon		(256) 624-7356
Ashley Campbell		
Jane Howard		

BALDWIN COUNTY, ALABAMA

Planning and Zoning Department

Stormwater Management Design & Review Training

February 12, 2026

8:30:00 am -12:30 pm

Robertsdale Central Annex-Commission Chambers
22251 Palmer Street, Robertsdale, AL

Objectives:
For local government, engineers, consultants, developers, and contractors to:

- Become familiar with the Baldwin County's Stormwater Management Design Forms
- Become familiar with Baldwin County's Low Impact Development (LID) Suspended Solids and Nutrient Load Reduction Review Tool
- Become familiar with AGWA Storm Water Management Modeling

Partners & Facilitators:

- Mobile Bay National Estuary Program (MBNEP) -Jason Kudulis & Cody Aloi
- 5020 Engineering Resource Group Incorporated-Wade Burcham
- Hydro Engineering Solutions - John Curry & Dewayne Smith
- Baldwin County – Jay Dickson & Josh Newman

Agenda:

8:30-8:45	Welcome Baldwin County	Jay Dickson
8:45 -8:55	Introductions	Jay Dickson
8:55-9:10	MBNEP Restoring & Protecting Our Coastal Waters	Cody Aloi
9:10-10:00	Low Impact Development Suspended Solids and Nutrient Load Reduction Site Review Tool	Wade Burcham
10:00-11:00	Baldwin County Storm Water Management Design Forms	Dewayne Smith
11:00-12:00	AGWA Storm Water Management Modeling	John Curry
12:00-12:30	Questions & Answers	Josh Newman
12:30	Adjournment	

CREATE A Clean Water FUTURE www.CleanWaterFuture.com

Baldwin County - Stormwater Management Design & Review Training Signin Sheet

Name	Organization	Attended ✓
Amanda Thompson	Goodwyn Mills Cawood	✓
Andy Bobe	City of Daphne	✓
Andy McCartney	TTL	✓
Annelise Dodd	Volkert, Inc.	✓
Austin Lutz	Engineering Design Group	
Avalisha Fisher	Driven Engineering, Inc.	✓
Baker Davis	Divergent Engineering, LLC	
Brady Thoennes	City of Gulf Shores Engineering	✓
Brandon Mason	DHI Engineering	✓
Brent Anderson	DDG	✓
Caleb Harper	City of Spanish Fort	✓
Caryn Woerner	Town of Elberta	
Cathy Barnette	Dewberry	✓
Chasity Davis	Town of Summerdale	✓
Cherice C. Brannan	Dewberry	
Clay Moore	Engineering Design Group	✓
Cole Schmidt	Anchor DBG	
Colin Davis	Engineering Design Group (EDG)	✓
Cooper O'Briant	Core Management, LLC	
Daniel Overstreet	Driven Engineering, Inc	
Eric Jackson	Thompson Engineering	✓
Evan Bedwell	Thompson Engineering	✓
Evan Reid	Volkert, Inc.	✓
Farnaz Bayat	South Alabama Regional Planning Commission	✓
Gene Stacey	GMC	
Hannah Driskell	Town of Magnolia Springs	✓
Hunter Channell	Kimley Horn	✓
Jackie McGonigal	City of Foley Environmental Department	✓
Jared Landry	Kimley-Horn	✓

=21

Jason Estes	Dewberry Engineers	✓
Jenny Wolfschlag	City of Gulf Shores	✓
Jeremy Sasser	GMC	✓
Jesi Ward	City Of Daphne	✓
Justin Britt	DHI Engineering	✓
Kelley Watts	White-Spunner Construction	✓
Kim Hatfield	Town of Summerdale	✓
Krista Landenwich	Anchor Engineering	✓
Lee Rambo	JADE	–
Leslie Gahagan	City of Foley	✓
Madison Gall	White-Spunner Construction	✓
Matthew Jones	Mobile County	✓
Melissa Hadley	Goodwyn Mills Cawood	✓
Michael Tomaso	Sawgrass Consulting, LLC	✓
Michelle Melton-Null	City of Fairhope	✓
Nick Combs	DDG	✓
Nicole Taylor	South Alabama Regional Planning Commission	✓
Paul Marcinko, P.E.	JADE Consulting, LLC	–
Randy Farris	Town of Summerdale	–
Robert A. Cummings	Overstreet & Associates, PLLC	✓
Rodney Gibson	DHI Engineering, LLC	✓
Sarah Wraight	South Alabama Regional Planning Commission	✓
Sawyer Connick	White-Spunner Construction	✓
Scott Rowe	White-Spunner Construction, LLC	–
Spencer Cooper	Thompson Engineering	✓
Steve Mobley	Town of Magnolia Springs	✓
Taylor Davis	City of Foley	✓
Thomas Luce	JADE Consulting	–
Tim Lawley	Sawgrass	–
Tom Granger	Pillar Consulting	✓
Trey Jinright	JADE	✓

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VAL BAHRIN	EDG	✓
William Graham	Jade Consulting, LLC	
Guest-		
Codi Aloi	MBNFP	✓
Raven Roberts	City of Foley	✓
Jonn Curry	AGWA	✓
DeWayne Smith	AGWA	✓
Judd Smith	[redacted] DR Horton	✓
Jay Broughton	Broughton	✓
Vincent Parker	Broughton	✓
Commissioner Underwood		✓
Sierra Stilwell	Baldwin County	✓
[redacted]	[redacted]	
Wade Burcham	5020 eng	

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BALDWIN COUNTY, ALABAMA

Planning and Zoning Department

Stormwater Management Design & Review Training

January 29, 2026

9:00:00 am -11:30 pm

Robertsdale Central Annex-Commission Chambers
22251 Palmer Street, Robertsdale, AL

Objectives:
For Planning & Zoning staff to:

- Become familiar with the Baldwin County's Stormwater Management Design Forms
- Become familiar with Baldwin County's Low Impact Development (LID) Suspended Solids and Nutrient Load Reduction Review Tool

Partners & Facilitators:

- Mobile Bay National Estuary Program (MBNEP) - Cody Aloi
- 5020 Engineering Resource Group Incorporated - Wade Burcham
- Hydro Engineering Solutions - Dewayne Smith

Agenda:

8:50-9:00	MBNEP Restoring & Protecting Our Coastal Waters	Cody Aloi
9:00-10:00	Low Impact Development Suspended Solids and Nutrient Load Reduction Site Review Tool	Wade Burcham
10:00-11:00	Baldwin County Storm Water Management Design Forms	Dewayne Smith

CREATE A Clean Water FUTURE www.CleanWaterFuture.com

Baldwin County Planning and Zoning Stormwater Training

1/29/2026

Name	Department	Section	Signature
James Howard	P & Z		James Howard
Nathan White	P&Z		Nathan White
Justin Cregger	P+Z		
Rebecca Peacock	P+Z		
Michael Smith	P+Z		
Barry Guy	P+Z		
Kaylan Dalskell	P+Z		
Michael Sharp	P+Z		
Crystal Bates	P+Z		Crystal Bates
Elizabeth Wilson	P&Z		Elizabeth Wilson
Calla Mckenzie	P+Z		Calla Mckenzie
Shelby Coulson	P+Z		Shelby Coulson
JENNY MOSLEY	P&Z		
Cory Rhodes	P+Z		Cory Rhodes
Linda Lee	P&Z		Linda Lee
Jay Dickson	P+Z		
Celena Boykin	P+Z		
WADE BURCHAM	5020 ENG		Wade Burcham
Josh Newman	P&Z		

MAGNOLIA SPRINGS WELL WATER QUALITY MEETING

JANUARY 26, 2026 @ 10 AM CST

At the Weeks Bay Reserve Resource Center

11525 US-98, FAIRHOPE, AL 36532

LUNCH PROVIDED

Free Educational Screening for Bacteria Available

Pick up a Sample Container from the Magnolia Springs Town Hall
12191 Magnolia Springs Hwy, Magnolia Springs, AL 36555

Sign up is free but required! See below for contact information*



Program Topics

- Geology of Coastal Alabama
- Importance of Testing Well Water
- Test Result Interpretation
- Where to Test Well Water

SIGN UP

Registration is free! Sign up at:
aub.ie/magnoliawells
or call 334-844-3809

BY JANUARY 22

extension
ALABAMA A&M & AUBURN UNIVERSITIES

The Alabama Cooperative Extension System (Alabama A&M University and Auburn University) is an equal opportunity educator and employer. Everyone is welcome! Please let us know if you have accessibility needs.

AUBURN Water Resources Center

ALABAMA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
WEEKS BAY
NATIONAL ESTUARINE RESEARCH RESERVE

NOAA NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION U.S. DEPARTMENT OF COMMERCE

MAGNOLIA SPRINGS ALABAMA

AUBURN College of Sciences and Mathematics

EROSION + SEDIMENT CONTROL
BMP WORKSHOP

Hosted by The City of Fairhope
Fairhope Civic Center | Tues, November 4, 2025 | 8am-4:30pm



Objectives

For local engineers, consultants, developers, contractors and municipal stormwater/enforcement officials to:

- Become familiar with the Alabama Handbook for Erosion, Sediment Control and Stormwater Management's (Blue Book) history and application.
- Increase understanding of the impact of erosion and sediment on natural resources.
- Gather design knowledge regarding Alabama Blue Book Best Management Practices.
- Gather inspection and maintenance knowledge required by Alabama Blue Book.
- Learn about research on effectiveness of different BMPs.

Agenda:

8:00-8:30	**Welcome and Introductions**
8:30-8:45	**Why Erosion and Sediment Control Is So Important** Perry Oakes, Alabama Soil and Water Conservation Committee
8:45-9:00	**Alabama Blue Book History** Earl Norton, Alabama Soil and Water Conservation Committee
9:00-9:15	**Flood Feeds – When Environmental Issues Go Viral** Leslie Gahagan, City of Foley
9:15-9:45	**Will You Be My Good Neighbor?** Wade Burcham, 5020 Engineering Resource Group, Inc.
9:45-10:00	**Break**
10:00-11:00	**BMP Installation and Maintenance** There's An App for That: Perry Oakes, Alabama Soil and Water Conservation Committee Installation and Maintenance: Do It Right the First Time: Matt Wisenden, Auburn University Stormwater Research Facility
11:00-11:30	**Stormwater Inspection Requirements** Suzanne Sweetser, Thompson Engineering
11:30-12:30	**Lunch**

CITY OF FAIRHOPE ALABAMA · Daphne ALABAMA · AUBURN Water Resources Center · THE SEAL OF BALDWIN COUNTY ALABAMA 1809 · Mobile Bay National Estuary Program · ALABAMA SOIL & WATER CONSERVATION COMMITTEE · AUBURN STORMWATER

EROSION + SEDIMENT CONTROL
BMP WORKSHOP

Hosted by The City of Fairhope
Fairhope Civic Center | Tues, November 4, 2025 | 8am-4:30pm

12:30-1:30	**Focus on Three Often Overlooked and Incorrectly Installed BMPs** Perimeter Protection - Is sediment or stormwater the problem?: Wes Donald, Auburn University Stormwater Research Facility All the Steps for Seeding and Mulching: Perry Oakes and Earl Norton, Alabama Soil and Water Conservation Committee Designing, Installing, and Maintaining a Construction Site Sediment Basin: Matt Wisenden, Auburn University Stormwater Research Facility
1:30-2:00	**Break and Travel to Field Site** : City of Fairhope Community Garden, 108 S. Summit Street
2:00-4:30	**BMP Installation Demonstrations** Perimeter/Sediment Controls Vegetation Establishment Inlet Protection
4:30	**Adjourn**



CITY OF FAIRHOPE ALABAMA · Daphne ALABAMA · AUBURN Water Resources Center · Mobile Bay National Estuary Program · ALABAMA SOIL & WATER CONSERVATION COMMITTEE · AUBURN STORMWATER

AWW Lesson

52

Western Perdido Bay Watershed Association Meeting Sign In Sheet
Monday, October 27, 2025

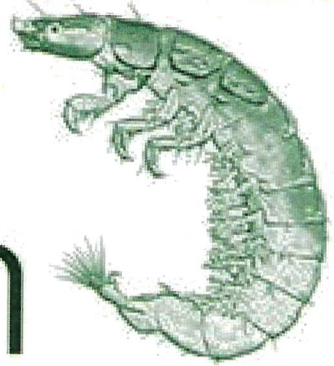
Name	Email	Phone
Johnie & Pat Nix	pjnix1972@gmail.com	205-522-6255
Anne Riddles	riddles407@gmail.com	
CLARISE JAHNS	CJAHNS@MAIL.COM	
Mary Speck	mespec@hotmail.com	(304) 671-3517
Robyn Monaghan	yesyesgoddog@gmail.com	251.284.3977
Robin Hammond	sort3sort@yahoo.com	
Tammy Robinson		907-202-0821
Laurie Ciaglia	mefaux@hotmail.com	702 768-4811
JIMMY STREET	JIMMYJOESTREET@yahoo.com	409-658-5816
Carol Barrett	3137 Pinewood Cir Lillian cosohouse@yahoo.com	661-301-7703
Dori Ford	2245 Clubhouse Dr	Southern Style@gmail.com
[illegible]	Buggie Bilot@Gmail	
Jane Bergland	janebergland@gmail.com	
David Bergland		
Juli Stroma	Anthony Stromei4@gmail.com	

Western Perdido Bay Watershed Association Meeting Sign In Sheet
Monday, October 27, 2025

Name	Email	Phone
Wayne Smith	Wayne Smith 1948 @ outlook	719/649-8856
Trish McHatton	[illegible]@Gmail.com	251/284/3253
Joanne Graf	3117 Pinewood Circle Lillian 36549	410-707-7043
Ashley Campbell	ashley.campbell@baldwincountyal.gov	251 423-3632
DJ Wigley	djwig@Lawyer.com	7068337130
Becky Schuck	BeckySchuck25@GMAIL.COM	239 410-2346
Michael Cleveland	MCLOVER98@Yahoo	256-426-4916
James Perry	JPERRYMCSZ@AOL.com	313-999-0863
Terry & Melissa Hanes	hanesmandt2@outlook.com	
Price L. Legg	LeggPLC@GMAIL.com	251-979-9218
Ronald Ravan	RAVANDESIGNS@Yahoo.Com	
Laura Tonner	lauratonner12@gmail.com	303 [illegible]
Peggy Summerville	PAS9292@yahoo.com	251-229-3430
Pollie J Core	2867 Avenida Alberto Lillian	850-508-4791
Tom & Karen Rocque	34252 White Osprey Dr	251 962337

Extension
ALABAMA A&M & AUBURN UNIVERSITIES

Alabama Water Watch



Making a World of Difference

Master Environmental Education

CREATE A Clean Water FUTURE

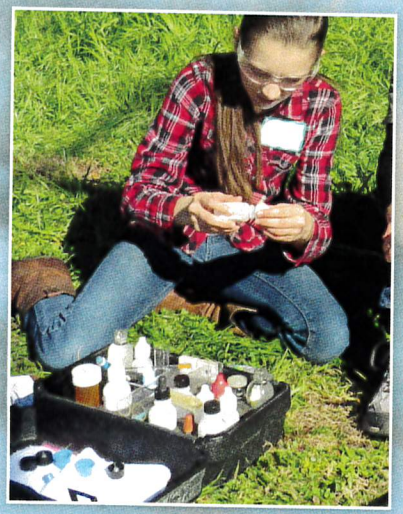
www.alabamawaterwatch.org

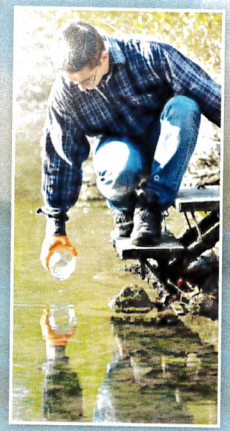
4-H Alabama Water Watch Program

An opportunity for youth to learn about watershed stewardship and water quality monitoring through science-based, hands-on experiences in the classroom and at the creek, river, lake, or bay.

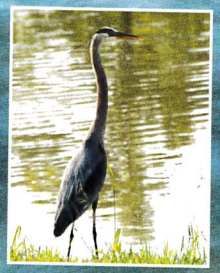
- **bacteriological monitoring**
- **water chemistry monitoring**
- **stream biomonitoring**

Youth gain confidence and have fun with science, master a new skill, make a difference in their communities, gain awareness of natural resource issues, and enjoy time outside.



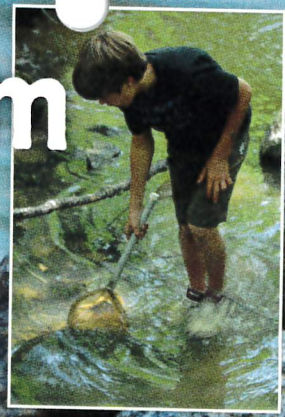














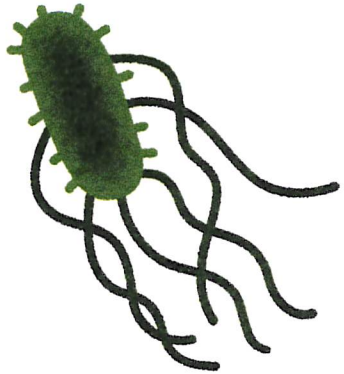


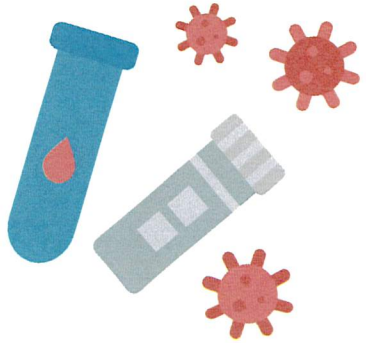


Educators and community volunteers can receive training through 4-H AWW that will provide them with the tools needed to teach water monitoring.



Magnolia River Community Education Day!





Saturday, September 27, 2025, 9:00 a.m.

Mobile Bay National Estuary Program

CREATE A Clean Water FUTURE

MAGNOLIA SPRINGS ALABAMA

ALABAMA WATER WATCH

ALABAMA EXTENSION

Mobile Bay National Estuary Program
SIGN IN SHEET
Magnolia River Community Education Day
Saturday, September 27th, 2025 9:00 AM - 12:00 PM

NAME	ORGANIZATION	E-MAIL ADDRESS	PHONE #
Regan Smart	MBNEP	rsmart@mobilebaynep.com	251-380-7958
Lyman Ramsay	Auburn University	ltramsay42@gmail.com	251-680-1129
Johanna Gertsch	Weeks Bay NERR	johanna.gertsch@dcnr.alabama.gov	251-490-8968
Chris Hills	City of Foley	chills@cityoffoley.org	251-759-4990
Robert Splan	Bewildered Fisherman	robertsplan@ymail.com	251 424 5251
Nick Williams	City of Foley/WBWW	nwilliams@cityoffoley.org	251-979-5690
Kale Cameron	AWA	kalecameron@att.net	251-546-4950
Sue Dwyer	AWW	suedwyer77@hotmail.com	251-269-1959
(X) Bill Holt & Tammy Holt	Community	raffy raffles@yahoo.com	440-479-5611
Hank & Claudia Mullins	Community MSpr.	cmfairhope@bellsouth.net	251-591-3128
Kelsey Koberg	Community Mag. Springs	kelsey.jaco@gmail.com	251.233.8448
Bill McFadden	"	Peczobandfarm@icloud.com	318 426 2255
Hannah Driskell	Town of M.S.	clerk@magnoliaspringsal.gov	251-965-9888
Priscilla Hayes	"	assistantclerk@magnoliaspringsal.gov	"
Maritza Weeks	Town of M.S.	mweeks@magnoliaspringsal.gov	(251)923-8117
Bob Turner	Town of M.S.	bigbobt6@gmail.com	
Ashley Campbell	Baldwin County	ashley.campbell@baldwincountyal.gov	251 423-3632
Ross Houser	Town of M.S.	mayor@magnoliaspringsal.gov	251-965-9888
Lisa Mason Sanders	AWW	sandeli15936@gmail.com	
Tammy Maddox	AWW	tammy.mattox@gmail.com	

Mobile Bay National Estuary Program
SIGN IN SHEET
Magnolia River Community Education Day
Saturday, September 27th, 2025 9:00 AM - 12:00 PM

NAME	ORGANIZATION	E-MAIL ADDRESS	PHONE #
Regan Smart	MBNEP	rsmart@mobilebaynep.com	251-380-7958
Lyman Ramsay	Auburn University	ltramsay42@gmail.com	251-680-7129
Johanna Gertsch	Weeks Bay NERR	johanna.gertsch@dcnr.alabama.gov	251-490-8968
Chris Hills	City of Foley	chills@cityoffoley.org	251-759-4990
Robert Splan	Bewildered Fisherman	robertsplan@ymail.com	251 424 5251
Nick Williams	City of Foley/WBWW	nwilliams@cityoffoley.org	251-979-5690
Kale Cameron	AWA	KaleCameron@att.net	251-546-4950
Sue Dwyer	AWW	suedwyer77@hotmail.com	251-269-1959
(A) Bill Holt or Tamay Holt	Community	raffy raffles@yahoo.com	440-479-5611
Hank & Claudia Mullin	Community MSpr.	cmfairhope@bellsouth.net	251-591-3128
Kelsey Koberg	Community Mag. Springs	Kelsey.jac@gmail.com	251.233.8448
Bill McFadden	"	Pecanbend5@mac.icloud.com	318 426 2255
Hannah Driskell	Town of M.S.	Clerk@magnoliaspringsal.gov	251-965-9888
Priscilla Hayes	"	assistantclerk@magnoliaspringsal.gov	"
Marita Weeks	Town of M.S.	mweeks@magnoliaspringsal.gov	(251)923-8117
Bob Turner	Town of MS	bigbobtle@gmail.com	
Ashley Campbell	Baldwin County	ashley.campbell@baldwincountyal.gov	251 423-3632
Ross Houser	Town of MS	mayor@magnoliaspringsal.gov	251.965.9888
Lisa Mann-Sanders	AWW	Sanders1593@gmail.com	
Tammy Maddox	AWW	tammy.mattox@gmail.com	

WEEKS BAY

NATIONAL ESTUARINE RESEARCH RESERVE

INVASIVE EXOTIC PLANT IDENTIFICATION, CONTROL, & PREVENTION WORKSHOP

Gain knowledge on the identification, ecology, control, and prevention of the most prevalent and destructive plants on the central Gulf coast.



Training Designed for:

- Natural Resource Management Professionals
- Government Employees
- Plant Nursery Owners/Staff
- Landscapers
- Master Gardeners
- Homeowners

September 26 2025

8:00 AM - 4:00 PM

Weeks Bay Tonsmeire Resource Center
11525 US Hwy 98, Fairhope AL 36532

$25 per person, lunch included!

REGISTER NOW

https://forms.gle/iUSgzxqppHNAFkKC6

Questions? Email: johanna.gertsch@dcnr.alabama.gov

Invasive Exotic Plants
Identification, Control, and Prevention
Weeks Bay Reserve
DATE: September 26, 2025
8:00 AM — 4:00 PM

This workshop provides information on the identification, ecology, control, and prevention of the most prevalent and destructive invasive plants on the Central Gulf Coast.

AGENDA

8:00 – 8:15 **Check-In/Welcome/Introductions**

8:15 – 9:30 **Introduction to Invasive Plant Species**
- Characteristics of Invasive Plants
- Identification of Invasive Exotic Plant Species

9:30 – 9:45 **Break**

9:45 – 10:30 **Invasive Plant Species Ecology**
- Ecological Disturbance & Invasive Species
- Prevention of Invasive Species

10:30 – 11:15 **Native Alternatives for Exotic Landscape Plants**

11:15 – 12:00 **Control Methods: Mechanical and Chemical**

12:00 – 1:00 **Lunch (Provided)**

1:00 – 1:30 **Herbicide Regulatory Issues**
Residential and Commercial Herbicide Practices

1:30 – 4:00 **Field Trip**
- Invasive Plant Species in the Landscape
- Considerations for Management and Control

ALABAMA WATER WATCH
WATER CHEMISTRY & BACTERIOLOGICAL MONITORING
CERTIFICATION TRAINING

BECOME A VOLUNTEER WATER MONITOR!

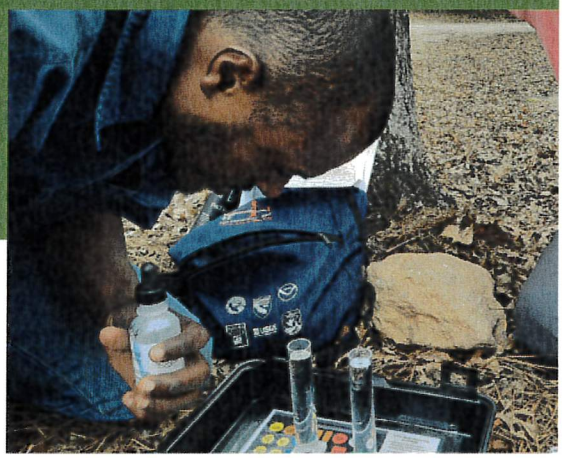
1 REGISTER ONLINE BY JUNE 12

2 COMPLETE ONLINE COURSES FOR MONITORING TYPE(S) OF INTEREST

3 PARTICIPATE IN FIELD DAY DEMONSTRATE METHODS FOR MONITORING TYPE(S) OF INTEREST

FIELD DAY JUNE 27, 2025

FOLEY, AL





WATER CHEMISTRY MONITORING

Learn to test the temperature, pH, dissolved oxygen, total hardness & alkalinity, and turbidity of water to identify pollution sources and long-term trends in water quality.

BACTERIOLOGICAL MONITORING

Learn to detect levels of E.coli and other coliform bacteria in water as indicators of fecal contamination.

CONTACT US

AWWPROG@AUBURN.EDU

334-844-4785

LEARN MORE:

water chemistry monitoring

bacteriological monitoring

Sponsored by:

ALABAMA WATER WATCH
ALABAMA EXTENSION

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Alabama Water Watch Water Chemistry and Bacteriological Monitoring Training - Lillian, AL														
6/27/2025											WSID - Chem	2959		
Trainer: Angie Eckman											WSID - Bac	2960		
First Name	Last Name	Email	Phone Number	Mailing Address	City	State	County	Zip Code	Liability	Media	Canvas			
Robert	Weise	rgweise@gmail.com	251-747-9016	1687 Santa Cruz Drive	Lillian	AL	Baldwin	36549	Yes	Yes	Complete			
James	Beasley	jbeashhs@gmail.com	205-468-0695	3104 Pinewood Cir	Lillian	AL	Baldwin	36549	Yes	Yes	Complete			
Scott	Shue	Sshue25@gmail.com	717-873-1958	3260 Vista Del Mar Dr	Lillian	AL	Alabama	36549	Yes	Yes	Complete			
Bobby	Beck	chair@spanishcove.org	706-831-1548	1751 Spanish Cove Drive South	Lillian	AL	Baldwin	36549	Yes	Yes	Incomplete	Follow up for bac quiz		
Randy	Hill	Rules@spanishcove.org	920-221-5093	3107 Pine Wood Circle	Lillian	AL	Baldwin	36549	Yes	Yes	Complete			
Curtis	Randow	currandow@gmail.com	410-776-4175	1744 Spanish Cove Drive S	Lillian	AL	Baldwin	36549	Yes	Yes	Complete			
Peter	Greika	Buggiepilot@gmail.com	860-803-9195	22735 Manuel Dr	Lillian	AL	Baldwin	36549	Yes	Yes	Incomplete	Follow up		
Elizabeth	Sullivan	solvebella@cloud.com	251-424-4051		Lillian	AL	Baldwin	36549	Yes	Yes	Incomplete	Follow up		
Entered SRZ 2025-7-7														

City of Bay Minette

Planning Commission & Board of Adjustment

301 D'Olive Street · Bay Minette, Alabama 36507
Phone (251) 580-1650 · COBM_Planning@cityofbayminetteal.gov

SCHEDULE

June 17, 2025
Joint Training Event
8:15 a.m.
City Hall Council Chambers
301 D'Olive Street, Bay Minette

8:15AM	**What's Happening in Bay Minette – City Hall Edition**	*Clair Dorough, City Planner*
8:30AM	**Legal Update – Conflicts and Ethics**	*Lauren Collinsworth, Stone Crosby*
8:45AM	**The Basics – Zoning and Subdivisions**	*Clair Dorough, City Planner*
9:45AM	**Fire & Life Safety Requirements**	*Steven Stewart, BMFD Administrative Captain & Fire Inspector*
10:00AM	**Variances, Waivers and Nonconformities**	*Clair Dorough, City Planner*
10:30AM	**Wetland Basics**	*Ashley Campbell, Natural Resource Planner, Baldwin County Planning & Zoning*
11:15AM	**Morning Summary / Attendee Questions**	*Clair Dorough, City Planner*
12:00PM	**LUNCH**	*Catered by Pearl & Addie's*
12:30PM	**Place Matters – Your Town Alabama Webinar**	*Cheryl Morgan, Your Town Alabama*
1:30PM	**Objective Design Standards**	*Clair Dorough, City Planner*
2:30PM	**Doing Business in Bay Minette**	*Clair Dorough, City Planner*
3:00PM	**Wrap Up**	*Clair Dorough, City Planner*


Wetlands and
the Regulatory Program
Wetland
Resources
EXIT

ADCNR Weeks Bay
National Estuarine Research Reserve

WETLAND IDENTIFICATION AND DELINEATION COURSE

Gain knowledge and skills to meet wetland conservation goals or regulatory needs. Learn wetland vegetation indicators, hydric soils, and hydrology.

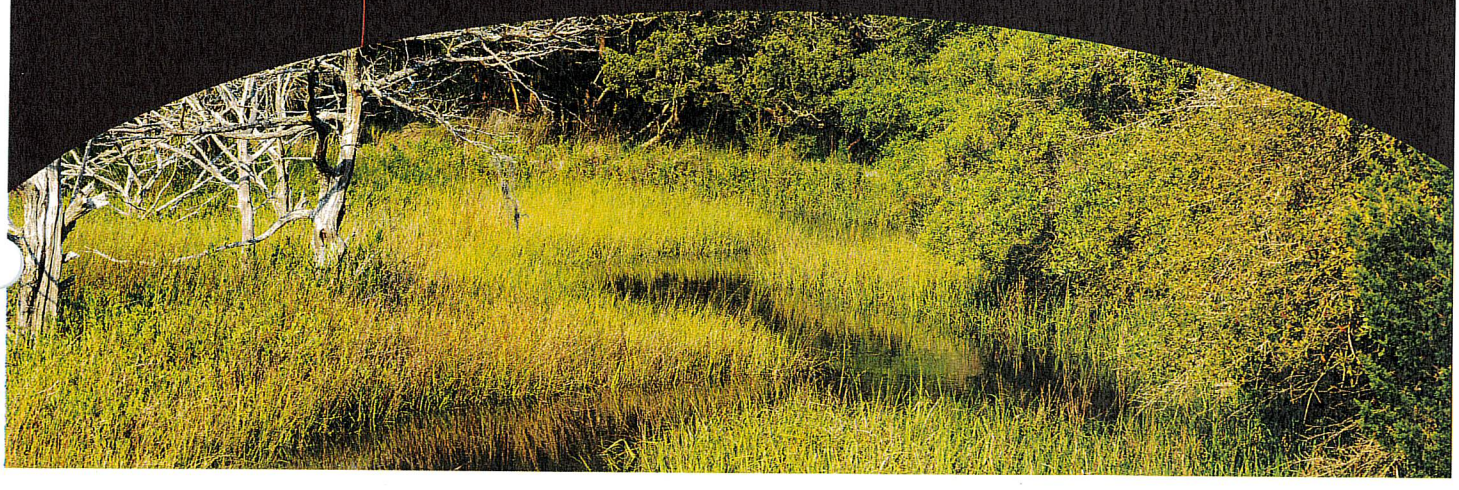
APRIL 1-4 2025
COST: $250

Questions? Email:

johanna.gertsch@dcnr.alabama.gov

Registration

https://forms.gle/pDTVJG3Zju1aqHgT7



SCHEDULE OF INSTRUCTION

WETLAND IDENTIFICATION & DELINEATION

According to the 1987 Corps of Engineers Wetland Delineation Manual and Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (Version 2.0)

DAY 1

8:00 Introductions, Orientation, Course Schedule, Safety, Miscellaneous
8:15 Introduction to Wetland Identification & Delineation
- Regional Supplement
- Wetland Determination Data Forms

9:00 Hydrology Background & Wetland Hydrology Indicators
9:45 Break
10:00 Hydrophytic Vegetation Background & Indicators
11:00 Soils Background
Soil Color and Use of the Munsell Soil Color Chart
12:00 Lunch
1:00 Field Exercise
- Vegetation Sampling
- Hydrology Indicators
- Hydric Soil Indicators
- Familiarization with Data Forms

DAY 2

8:00 NTCHS Field Indicators of Hydric Soils
- All soils (A) indicators
- Sandy soils (S) indicators

9:30 Break
9:45 NTCHS Field Indicators of Hydric Soils
- Loamy/Clayey (F) soils indicators

10:30 Routine Delineation Methods for Small Areas & Large Areas
11:30 Lunch
12:30 Field Exercise
- Completion of Data Forms

DAY 3

8:00 Preliminary Data Gathering
8:45 Difficult Situations – Vegetation, Soil, Hydrology
9:45 Break
10:00 Using Web Soil Survey
11:00 Soil Taxonomy
12:00 Lunch
1:00 Field Exercise
- Completion of Data Forms
- Wetland Identification & Delineation

DAY 4

8:00 Review Homework; Q&A
9:00 Field Exercise
- Completion of Data Forms
- Wetland Identification & Delineation

12:00 Wrap up & Dismiss

TABLE 4-2 BALDWIN COUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1	*4.4.5*	*Classroom Presentations-Master Environmental Education Presentations*	*During permit cycle, present four (4)MEE lessons to school age classrooms per year*	*All*	*P&Z*

Classes/Lessons	Date	Location	Lesson	Students	Teachers
2025/2026					
1	4/14/2026	Bayside Academy	Water Cycle	32	Ashley Campbell & James Howard
2	2/20/2026	Lakeland POA	Alabama Water Watch	17	Ashley Campbell & James Howard
3	1/22/2026	Bay Minette Elementary	Alabama Water Watch	96	Ashley Campbell & James Howard & Cory Rhodes
4	1/9/2026	Elberta High School	Alabama Water Watch	262	Ashley Campbell & James Howard
5	11/5/2025	Daphne Elementary	Water Cycle	54	Ashley Campbell & Rebecca Peacock
6	10/23/2025	Bay Minette	Stormwater Pollution	95	Ashley Campbell & Rebecca Peacock & Cory Rhodes
7	8/21/2025	Gulf Coast Regional Research & Extension Center	MEE Training	3	Ashley Campbell & Rebecca Peacock & Cory Rhodes
8	5/29/2025	David's Catfish House	Impact Meeting	2	Ashley Campbell & Rebecca Peacock
			Total Students Taught	561	

ALABAMA A&M & AUBURN UNIVERSITIES

Master Environmental Education

Water Cycle

School Information

School Name: Bayside Academy Date: 4/14/26

Teachers Name: Dunn/Falkner Grade: 3

Student Demographics

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth	16	1					17	10	7
Adults									

Post Student Evaluation - Raise Your Hand

1. How many of will start a practice (such as turning off the water when you brush your teeth or taking a shorter shower) since you learned about water conservation in this lesson? # 17
2. How many of you can name the four stages of the water cycle? # 17

Teacher Evaluation

1. How would you rate this presentation? Outstanding 5 4 3 2 1 Poor
2. Would you schedule this lesson again? (Yes) No
3. Did this lesson meet your curriculum needs? (Yes) No
4. What information do you feel was most helpful for your students? Additional Comments:

N/A

MEE Volunteer

MEE Name: Ashley Campbell Volunteer Hours: 4

MEE Name: James Howard Volunteer Hours: 4

Alabama Cooperative Extension System (Alabama A&M University and Auburn University) is committed to affirmative action, equal opportunity and the diversity of its workforce. Educational programs serve all people regardless of race, color, national origin, age, disability, sex, gender identity, marital status, family/parental status, religion, sexual orientation, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. Baldwin County Extension Programs are supported by the Baldwin County Commission.

Master Environmental Education

Water Cycle

School Information

School Name: Bayside Academy Date: 4/14/26

Teachers Name: Dunn/Best Grade: 3

Student Demographics

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth	15	0					15	9	6
Adults									

Post Student Evaluation - Raise Your Hand

1. How many of will start a practice (such as turning off the water when you brush your teeth or taking a shorter shower) since you learned about water conservation in this lesson? # 15
2. How many of you can name the four stages of the water cycle? # 15

Teacher Evaluation

1. How would you rate this presentation? Outstanding 5 4 3 2 1 Poor
2. Would you schedule this lesson again? Yes No
3. Did this lesson meet your curriculum needs? Yes No
4. What information do you feel was most helpful for your students? Additional Comments:

N/A

MEE Volunteer

MEE Name: Ashley Campbell Volunteer Hours: 4

MEE Name: James Howard Volunteer Hours: 4

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extension
ALABAMA A&M & AUBURN UNIVERSITIES

Master Environmental Education

Alabama Water Watch

School Information

School Name: Lakeland POA Date: 2/20/2026

Teachers Name: _____ Grade: _____

Student Demographics

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth									
Adults	17						17	12	5

Post Student Evaluation - Raise Your Hand

1. Will you tell your friends and family about Alabama Water Watch? #_____
2. Would you like to become an Alabama Water Watch volunteer someday? #_____

Teacher Evaluation

1. How would you rate this presentation? Outstanding 5 4 3 2 1 Poor
2. Would you schedule this lesson again? Yes No
3. Did this lesson meet your curriculum needs? Yes No
4. What information do you feel was most helpful for your students? Additional Comments:

MEE Volunteer

MEE Name: Ashley Campbell Volunteer Hours: 3

MEE Name: James Howard Volunteer Hours: 3

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ALABAMA A&M & AUBURN UNIVERSITIES

Watershed / Lake Management Workshop
Lake Raynagua
02.20.2026

11:00 AM – 2:00 PM
Lakeland HOA Clubhouse
25815 Lakeland Drive,
Loxley, AL 36551

Agenda:

11:00 – 11:10 AM	**Welcome/Intros**	Karen Venema - Lakeland POA & Levi Blackmon – Alabama Extension
11:10 – 11:40 AM	**Lake Management 101**	Eric Manning - Lakeland POA & Levi Blackmon
11:40 – 11:45 AM	**Break**	
11:45 – 12:15 PM	**Master Environmental Education Program - Alabama Water Watch**	Ashley Campbell - Baldwin County Planning & Zoning Dept.
12:15 – 12:35 PM	**Mobile Bay National Estuary Program (Management Plan – Highlights)**	Christian Miller - MBNEP
12:35 – 1:05 PM	**Panel Discussion: Lake/Watershed Management & Goals – Q/A**	Ashley Campbell, Christian Miller, & PJ Waters - Auburn University Marine Ext & Res Center
1:05 – 1:20 PM	**Break**	
1:20 – 1:45 PM	**Watershed Success Story**	Levi Blackmon
1:45 PM	**Closing Remarks**	Sarah Butterworth – Alabama Extension (ACES)

Workshop survey

extension
ALABAMA A&M & AUBURN UNIVERSITIES

Master Environmental Education

Alabama Water Watch

School Information

School Name: Bay Minette Elementary Date: 1/22/26

Teachers Name: Heather Sims Grade: 6

Student Demographics

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth	46	41	0	5	0	4	96	52	44
Adults									

Post Student Evaluation - Raise Your Hand

1. Will you tell your friends and family about Alabama Water Watch? # 96
2. Would you like to become an Alabama Water Watch volunteer someday? # 90

Teacher Evaluation

1. How would you rate this presentation? Outstanding 5 4 3 2 1 Poor
2. Would you schedule this lesson again? (Yes) No
3. Did this lesson meet your curriculum needs? (Yes) No
4. What information do you feel was most helpful for your students? Additional Comments:

visually seeing & wafting water samples, they loved it!

MEE Volunteer

MEE Name: Cory Rhodes Volunteer Hours: 5.75 hrs

MEE Name: Ashley Campbell Volunteer Hours: 5.75 hrs

James Howard 5.75 hrs

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ALABAMA A&M & AUBURN UNIVERSITIES

Master Environmental Education

Alabama Water Watch

School Information

School Name: Elberta High School Date: 1/9/26

Teachers Name: Schoen-Jackson + Hopper Grade: 9-12

Student Demographics

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth							260		
Adults	2						2		2

Post Student Evaluation - Raise Your Hand

1. Will you tell your friends and family about Alabama Water Watch? #_____
2. Would you like to become an Alabama Water Watch volunteer someday? #_____

Teacher Evaluation

1. How would you rate this presentation? Outstanding 5 4 3 2 1 Poor
2. Would you schedule this lesson again? (Yes) No
3. Did this lesson meet your curriculum needs? (Yes) No
4. What information do you feel was most helpful for your students? Additional Comments:

- The hands on learning of water sampling
- relevant topics + applying it to our area and daily activities.

The 3 presenters did an amazing job + highly recommend them. Thankyou!

MEE Volunteer

MEE Name: Ashley Campbell Volunteer Hours: 8

MEE Name: Jackie McConigal Volunteer Hours: 5

MEE Name: James Howard Volunteer Hours: 5

1Alabama Cooperative Extension System (Alabama A&M University and Auburn University) is committed to affirmative action, equal opportunity and the diversity of its workforce. Educational programs serve all people regardless of race, color, national origin, age, disability, sex, gender identity, marital status, family/parental status, religion, sexual orientation, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. Baldwin County Extension Programs are supported by the Baldwin County Commission.

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ALABAMA A&M & AUBURN UNIVERSITIES

Master Environmental Education

Water Cycle

School Information

School Name: Daphne Elementary School Date: November 5, 2025

Teachers Name: Dawn Eubanks / Jasmine Walker Grade: Third Grade

Student Demographics

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth	18	6	1	2			27	20	7
Adults	1	2					3		3

Post Student Evaluation - Raise Your Hand

1. How many of will start a practice (such as turning off the water when you brush your teeth or taking a shorter shower) since you learned about water conservation in this lesson? # 20
2. How many of you can name the four stages of the water cycle? # 12

Teacher Evaluation

1. How would you rate this presentation? Outstanding (5) 4 3 2 1 Poor
2. Would you schedule this lesson again? (Yes) No
3. Did this lesson meet your curriculum needs? (Yes) No
4. What information do you feel was most helpful for your students? Additional Comments:

The water cycle information was very helpful, but the knowledge of water preservation was great!

MEE Volunteer

MEE Name: Ashley Campbell Volunteer Hours: 4

MEE Name: Rebecca Redwick Volunteer Hours: 4

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ALABAMA A&M & AUBURN UNIVERSITIES

Master Environmental Education

Water Cycle

School Information

School Name: Daphne Elementary Date: 11-5-25

Teachers Name: Sanders, Dares Grade: 3

Student Demographics

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth	15	10		1		1	27	14	13
Adults	1	1							2

Post Student Evaluation - Raise Your Hand

1. How many of will start a practice (such as turning off the water when you brush your teeth or taking a shorter shower) since you learned about water conservation in this lesson? # 27
2. How many of you can name the four stages of the water cycle? # 27

Teacher Evaluation

1. How would you rate this presentation? Outstanding 5 4 3 2 1 Poor
2. Would you schedule this lesson again? Yes No
3. Did this lesson meet your curriculum needs? Yes No
4. What information do you feel was most helpful for your students? Additional Comments:

Having a visual to represent the water cycle was really helpful for our students.

MEE Volunteer

MEE Name: Ashley Campbell Volunteer Hours: 4

MEE Name: Rebecca Peacock Volunteer Hours: 4

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Master Environmental Education

Stormwater Pollution

School Information

School Name: Bay Minette Elem Date: 10/23/25

Teachers Name: Ms. Sims Grade: 6th

Student Demographics

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth	50	37	1	6			94	55	39
Adults	1						1		1

Post Student Evaluation - Raise Your Hand

1. How many of you will pick up trash along your road? # 94
2. How many of you will volunteer for the next Coastal Clean Up? # 82

Teacher Evaluation

1. How would you rate this presentation? Outstanding 5 4 3 2 1 Poor
2. Would you schedule this lesson again? (Yes) No
3. Did this lesson meet your curriculum needs? (Yes) No
4. What information do you feel was most helpful for your students? Additional Comments:

Making the real life connections to the content really showed the students how humans can have impacts on the Environment. The watershed model & "tub" analogy were amazing tools!

MEE Volunteer

MEE Name: Ashley Campbell Volunteer Hours: 6.5 hours

MEE Name: Rebecca Peacock Volunteer Hours: 6.5 hours

Cory Rhodes 6.5 hours

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BALDWIN COUNTY EXTENSION STAFF

Sarah Butterworth, County Extension Director

Charlotte Roberts, Agent Assistant

Cathy Banning, Administration Associate

Baldwin County Extension Office
302-A Byrne Street
Bay Minette, AL 36507

http://aces.edu/mee-baldwin

ALABAMA A&M & AUBURN UNIVERSITIES

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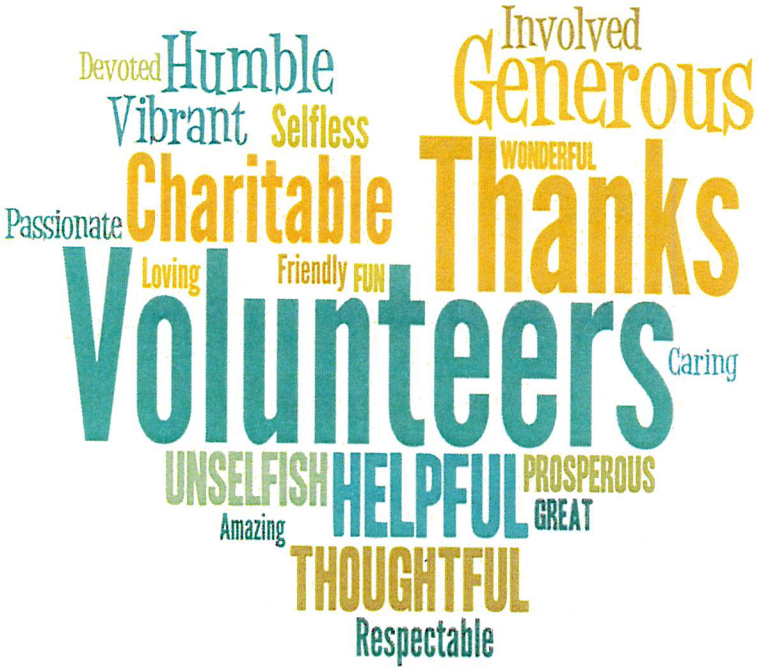
Master Environmental Education 2024-2025 Impact Meeting

May 29, 11:30 am – 1:00 pm

David's Catfish
10810 Hwy 31
Spanish Fort, 36527

ALABAMA A&M & AUBURN UNIVERSITIES

A big THANKS to our volunteers and sponsors!



Agenda

Welcome and Introductions

2023-2024 MEE Program IMPACTS

Lunch

MEE Volunteer Recognition

Celebrating 30 years of MEE

We will be updating your MEE flash drive and returning it to you ready for next year.

Have ideas? If you have suggestions for improving or updating our lesson plans, please send them our way by June 30 for consideration.

August 21 -MEE Training for 2025-2026
Gulf Coast Research & Extension Center, 8300 Hwy 104, Fairhope, 8:30-4:00 pm

We are recruiting new volunteers. Help us to spread the word throughout the county!

Our Goals

- Encourage Baldwin County residents to become good environmental stewards.
- Educate our residents to protect our coastal environment.
- Promote the value of our environment to our residents.
- Provide opportunities for youth and adults to enjoy the outdoors.

Sarah Butterworth
County Extension Director

Baldwin County Extension Office
302-A Byrne Street
Bay Minette, AL 36507

www.aces.edu

Making a World of Difference

extension
ALABAMA A&M & AUBURN UNIVERSITIES

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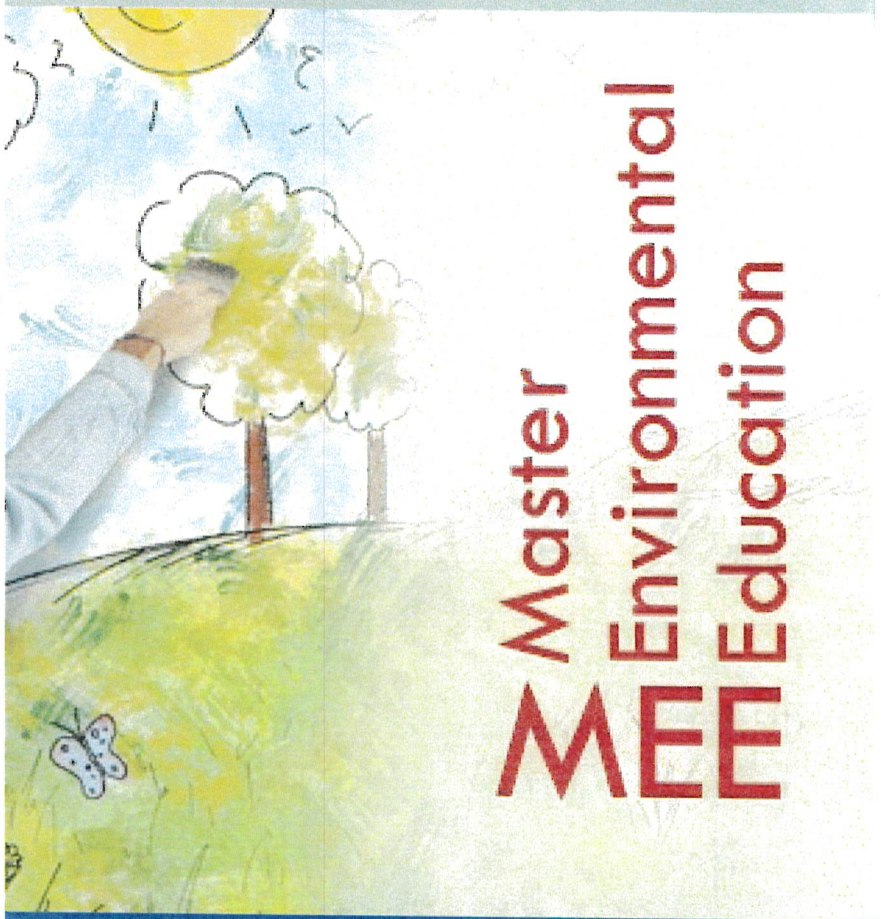
extension
ALABAMA A&M & AUBURN UNIVERSITIES



Master Environmental Education

MEE

MEE Training

August 21, 2025- 8:30 am – 4:00 pm
Gulf Coast Regional Research & Extension Center
8300 Alabama Highway 104, Fairhope, Alabama

Training Agenda

8:30	**Welcome and Introductions** Sarah Butterworth, County Extension Director
9:00	**Janea Watson, Becky Turner** Baldwin County Board of Education
9:15	**MEE Reminders** Group Photo
9:30-10:15	**Stormwater Pollution** Jackie McGonigal
10:15-11:00	**Alabama Water Watch** Ashley Campbell
11:00-11:30	**Invasive Plants** Josh Roberts
11:30-12:00	**Energy** Scott Sligh
12:00-12:30	**Lunch Break**

August 21, 2025

1:15-2:00	**Backyard Wildlife Habitat** Bob Young
12:30-1:15	**Water Cycle** Sarah Butterworth
2:00-2:30	**Recycling** Jennifer Doan
2:30-3:15	**Groundwater Pollution** Charlotte Roberts
3:15-3:30	**MEE Wrap Up**

Questions, Evaluations & Adjourn

Savage Chic

Welcome

The Master Environmental Education Program was developed in 1995 so Baldwin County residents would have an understanding of and appreciation for the environment in their own backyards.



VOLUNTEER OPPORTUNITY!

TEACH STUDENTS ENVIRONMENTAL STEWARDSHIP



FREE TRAINING – AUGUST 22 21

Thursday, August 22nd - Gulf Coast Research & Extension Center
8300 Hwy 104, Fairhope, 8:30 am – 4:00 pm

Volunteers with Alabama 4-H travel throughout Baldwin County to public and private schools to present environmental lessons to students.



Registration Required. Call the Baldwin County Extension Office @ 937-7176 or email bannicj@aces.edu

Alabama Water Watch * Groundwater Pollution * Recycling * The Water Cycle * Invasive Plant Species * Aquatic Nuisance Species * Energy * Stormwater Pollution * Backyard Wildlife Habitats

Master Environmental Education

MEE

Baldwin County Extension Office
302-A Byrne Street
Bay Minette, AL 36507
937-7176

extension
ALABAMA A&M & AUBURN UNIVERSITIES

THE ALABAMA COOPERATIVE EXTENSION SYSTEM (ALABAMA A&M UNIVERSITY AND AUBURN UNIVERSITY), IS AN EQUAL OPPORTUNITY EDUCATOR AND EMPLOYER AND PROVIDER. IF YOU NEED A REASONABLE ACCOMODATION,OR FREE LANGIAGE ACCESS SERVOCES. CONTACT SARAH BUTTERWORTH AT 251-937-7176. BALDWIN COUNTY PROGRAMS ARE SUPPORTED BY THE BALDWIN COUNTY COMMISSION.

David's Catfish House

MENU

Baskets served with hush puppies and one side.

Shrimp Basket

Fried Catfish Basket

Chicken Basket

Sandwich plates served with choice of two sides.

Hamburger

Cheeseburger

Grilled Cheese

Conecuh Slaw Dog

Salads

Garden Salad

Grilled or Fried Shrimp Salad

Grilled or Fried Chicken Salad

Sides: Coleslaw, Cheese Grits, French Fies, Fried Okra, Turnip Greens or Baked Beans.



extension
ALABAMA A&M & AUBURN UNIVERSITIES

TABLE 4-2 BALDW)UNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1	*4.4.5.2&3*	*Local Environmental Festivals-Watershed Festivals*	*Baldwin County Water Festival & Envirothon- The County will participate in or sponsor two (2) events per permit cycle.*	*All*	*P&Z*

2025/2026	Date	Event	Volunteer/Sponsorship Details
1	4/25/2025	Baldwin County Water Festival	Rebecca Peacock, Cory Rhodes, Ashley Campbell, Planning & Zoning

Baldwin County Water Festival

Baldwin County Soil & Water Conservation District

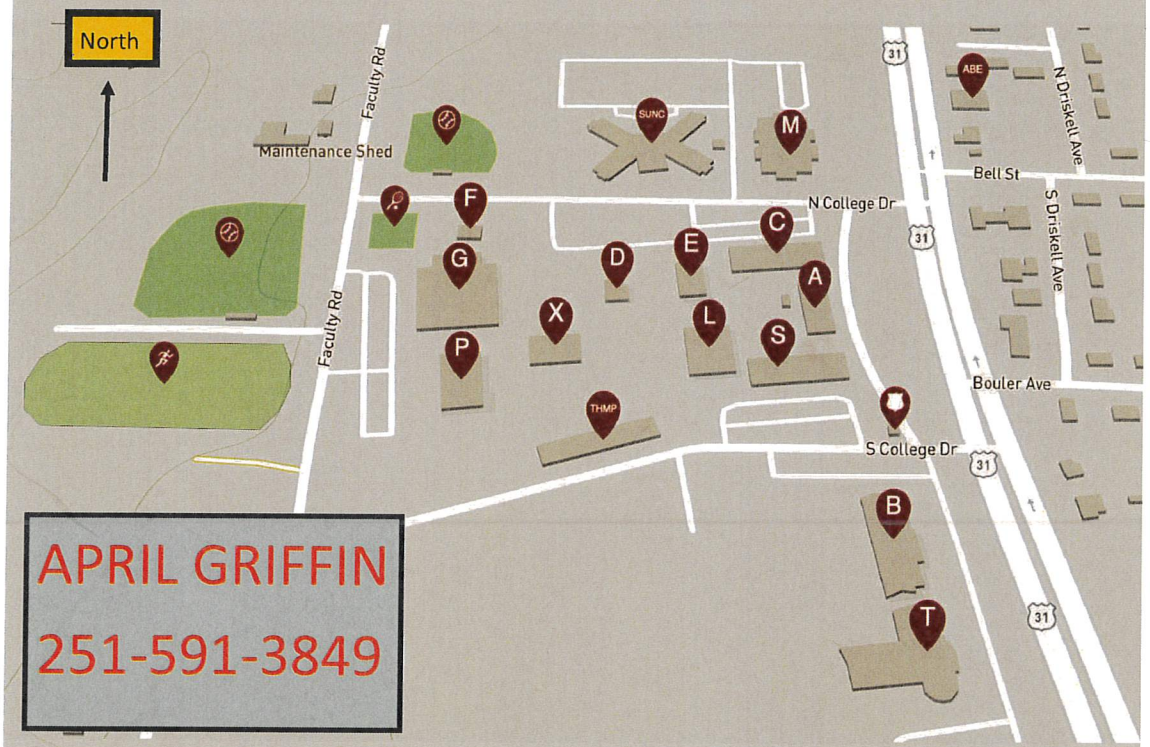
Friday, April 25, 2025

APRIL GRIFFIN 251-591-3849

BALDWIN COUNTY SOIL & WATER CONSERVATION DISTRICT

COASTAL ALABAMA COMMUNITY COLLEGE

BAY MINETTE CAMPUS MAP



APRIL GRIFFIN

251-591-3849

- **A Administration Building** — 1900 US-31, Bay Minette, AL 36507
- **ABE Adult Education Center** — 1903 US- 31, Bay Minette, AL 36507
- **B Business Center** — 2000 US-31, Bay Minette, AL 36507
- **C Stone Building** — 312 N. College Dr., Bay Minette, AL 36507
- **D Dental Lab** — 402 Sun Chief Dr., Bay Minette, AL 36507
- **E Student Center** — 406 Sun Chief Dr., Bay Minette, AL 36507
- **F Fort Cruise** — 260 N. College Dr., Bay Minette, AL 36507
- **G Gymnasium** — 1914 Faculty Rd., Bay Minette, AL 36507
- **L Austin R. Meadows Library** — 311 S. College Dr., Bay Minette, AL 36507
- **M Memorial Hall** — 315 N. College Dr., Bay Minette, AL 36507
- **P Performing Arts Center** — 1906 Faculty Rd., Bay Minette, AL 36507
- **S Trammel Science Building** — 315 S. College Dr., Bay Minette, AL 36507
- **SUNC Sun Chief Hall (Dorm)** — 305 N. College Dr., Bay Minette, AL 36507
- **T Allied Health Building** — 2100 US-31, Bay Minette, AL 36507
- **THMP Thompson Hall (Dorm)** — 301 S. College Dr., Bay Minette, AL 36507
- **X Coastal Alabama Grill** — 1910 Faculty Rd., Bay Minette, AL 36507
- **College Police** — 319 S. College Dr., Bay Minette, AL 36507
- **Lady Sun Chief Softball Field** — 251 N. College Dr., Bay Minette, AL 36507
- **Baseball Field** — 1915 Faculty Rd., Bay Minette, AL 36507
- **Track** — 1905 Faculty Rd., Bay Minette, AL 36507
- **Tennis Courts** — 1918 Faculty Rd., Bay Minette, AL 36507

Baldwin County 2025 Water Festival
Baldwin County Soil & Water Conservation District
Friday, April 25, 2025

BUILDING A - ADMINISTRATION BUILDING - DAPHNE EAST CLASSES 1 THRU 3		
Station 1 - Filtration Room A212	Station 2 - Aquifer Room A215	Station 3 - Water Cycle Room A210
Rebecca Peacock - Baldwin Co. Comm.	Cory - Baldwin Co. Comm.	Margaret Higdon-Conecuh SWCD
BUILDING A - ADMINISTRATION BUILDING - DAPHNE EAST CLASSES 4 THRU 6		
Station 4 - Filtration Room A208	Station 5 - Aquifer Room A202	Station 6 - Water Cycle Room A203
Ashley Campbell - Baldwin Co. Comm.	Angie Eckman - City of Foley	Chris Hills-City of Foley
Bobbie Lane - Cattlewomen's		
BUILDING S - TRAMMEL SCIENCE BUILDING - RENAISSANCE CLASSES 1 THRU 3		
Station 7 - Filtration Room S105	Station 8 - Aquifer Room S102	Station 9 - Water Cycle Room S104
Charlotte Roberts - ACES	Nick Williams - City of Foley	Reese Newton-City of Foley
BUILDING S - TRAMMEL SCIENCE BUILDING - BAYSIDE ACADEMY CLASSES 1 THRU 3		
Station 10 - Filtration Room S115	Station 11 - Aquifer Room S113	Station 12 - Water Cycle Room S117
Amanda Reid - FSA	Stephanie Kaylor - Marengo SWCD	Laura Smith - SWCC
Solitaire Andrews - FSA	Connie Stockman - Marengo SWCD	
BUILDING S - TRAMMEL SCIENCE BUILDING - SUMMERDALE - CLASSES 1 THRU 3		
Station 13 - Filtration Room S113	Station 14 - Aquifer Room S108	Station 15 - Water Cycle Room S117
Jesi Ward - City of Daphne	Carolyn King - Cattlewomen's	

April Griffin 251-591-3849	
	Confirmed
	Empty

TABLE 4-2 BALDW[illegible]OUNTY PHASE II MS4

MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1	*4.4.6.1&2*	*Local Environmental Festivals-Watershed Festivals*	*Woods-n-Water, Jubilee Festival & Earth Day The county will sponsor or participate in one festival a year.*	*ALL*	*P&Z*
2025/2026	Date	Event	Description		
	4/24-26/2025	15th Annual Woods & Water	Brats Bus Sponsor		

CITY OF SPANISH FORT

7361 Spanish Fort Blvd.
Spanish Fort, Alabama 36527
(251) 626-4884
(251) 626-4880 Fax

Michael M. McMillan
Mayor
Rebecca A. Gaines
City Clerk

City Council
Robert Curtis Smith
Carl L. Gustafson, Jr.
Shane M. Perry
Clewis W. Smith, Jr.
Mary W. Brabner

February 13, 2025

The Honorable Matthew P. McKenzie
Baldwin County Commission
312 Courthouse Square
Suite 12
Bay Minette, Alabama 36507

RE: BRATS Service

Dear Chairman McKenzie:

The 15th annual Delta Woods and Waters Expo will be held at 5 Rivers Delta Resource Center on the Causeway on April 24-26, 2025. As in the past, April 24-25 will be open to our school children for field trips, while April 26th will be open to the public. We are estimating that there will be a large crowd on the 26th for our public event. In that past, the County Commission has graciously always allowed the use of one of its BRATS buses for that day, and I would like to request that the Commission allow a BRATS bus to be available Saturday, April 26th from 8:00 a.m. to 5:00 p.m. to shuttle guests on the 5 Rivers property.

Please let me know if the Commissioners can fulfill my request. If you need any additional information, please give me a call at 251-626-4884.

Sincerely,

Michael M. McMillan
Mayor

March 4, 2022

REQUEST FOR BRATS TRANSIT SERVICE

Name of Organization: **City of Spanish Fort, Alabama** Date of Request: **2/13/2025**

Contact Person: **Rebecca A. Gaines** Email Address: **cityclerk@spanishfortal.gov**

Phone Number: 251-410-6525 Billing Address: 7361 Spanish Fort Blvd., Spanish Fort, Alabama 36527 Do you currently have an approved account with Baldwin Regional Area Transit System? Yes __x___ No_____

POTENTIAL EXEMPTIONS OR EXCEPTIONS

EXEMPTION: Rural Program Purpose

Is the origin of the proposed trip outside the MPO Urbanized Area (see attached map)? ☐ Yes ☐❶ No

Will the proposed transportation be for a human service organization or for elderly, disabled, or low income passengers. ☐❶ Yes ☐ No

EXCEPTION 1: Service for Qualified Human Service Organizations (QHSO)

Is the requested service for individuals in one of the following three categories (check all that apply)?

x☐ Those with mobility limitations due to advance age ☐❶ Those with disabilities ☐❶ Those with low income

Does one of the following apply to your entity (check all that apply)?

☐ Receives funding from federal program listed in attachment ☐ Is a registered QHSO on the FTA charter website

EXCEPTION 2: Service for Government Officials on Official Government Business

Will the proposed trip occur within BRATS service area (currently all of Baldwin County)? x☐ Yes ☐ No

Will the proposed involve official government business? ☐❶ Yes ☐ No

Will at least one elected or appointed official be on each provided trip? ☐ Yes x☐ No

EXCEPTION 3: Service When Private Charter Service Not Available

Would you like BRATS to initiate exceptions by issuing a notice to determine whether any registered charter providers are interested in providing your entity with charter service? ☐ Yes ☐ No

NOTE: if you mark "yes" above, BRATS will issue the required notice to registered charter service providers within Baldwin County. If any provider responds with interest in providing the service, Baldwin County cannot provide your entity with the requested service.

EVENT INFORMATION

Name of Event: **Delta Woods and Waters Expo** Date of Event: **April 26, 2025**

Contact Person at Event: **Rebecca A. Gaines** Cell Phone Number: **251-232-4133**

Number of Vehicles Needed: 1 Number of Passengers: Several Hundred

Number of Wheelchairs: unknown Number of Lift Assist Passengers: unknown

Time to Begin Event: 8:00 Time Event Will End: 5:00

Pick Up Location & Physical Address: Delta Woods Resource Center, 30945 5 Rivers Blvd, Spanish Fort, Alabama. Shuttle service may also occur across the street at Meaher State Park is parking is full at 5 Rivers. _

Destination Location and Physical Address: Delta Woods Resource Center, 30945 5 Rivers Blvd, Spanish Fort, Alabama. Shuttle service may also occur across the street at Meaher State Park is parking is full at 5 Rivers.

A timed itinerary with address details must be supplied for multiple stops.

We acknowledge there will be additional charges for excessive cleanup or damage to the vehicle caused by passengers. We understand charges will include pre and post safety inspections of vehicle and travel times to and from event. We will not hold BRATS responsible for breakdowns, accidents, bad road conditions, inclement weather, and other conditions beyond its control.

Signed: _____

(Authorized Signature)

For: City of Spanish Fort

(Company Name)

Trip Scheduled: _____/_____

(scheduler signature) (date)

Approved Cost: _____

Event Pricing Matrix
2/21/2025

Name of Ever	Delta Woods & Water Expo
Date of Event	Saturday, April 26, 2025

Date	Start Time of Service	End Time of Service	Event in Hours	Event Time in minutes	Pre-Trip Inspection	Post-Trip Inspection	Google Travel Time AM From Garage	Google Travel Time PM To Garage	Non Event Time in Minutes	Non Event Time in Hours	Total Hours	Cost Per Hour	Total Cost per day	Total Cost per day Rounded	Number of Buses	Overall cost
4/26/2025	8:00 AM	5:00 PM	9.00	540	15	15	30	30	90	1.50	10.50	$ 74.36	-	$780.78	1	$ 780.78
				0	15	15			30	0.50	0.50	$ 74.36		$0.00		$ -
				0	15	15			30	0.50	0.50	$ 74.36		$0.00		$ -
				0	15	15			30	0.50	0.50	$ 74.36		$0.00		$ -
														Total All Days		$ 780.78

1 bus = $622.23
Bus out of Bay Minette or Robertsdale Hub

*see 1st tab (master) for calculations
of cost/hour

Sign In

Baldwin County, Alabama

Home File Search All Meetings Calendar County Commission Meetings Calendar

RSS Alerts

Details Reports

File #:	25-0524 Version: 1		
Agenda section:	Consent	Status:	Passed
File created:	2/20/2025	Meeting type:	Baldwin County Commission Regular
On agenda:	3/5/2025	Final action:	3/5/2025
Agenda item title:	Request from City of Spanish Fort for Donated Transportation Services for 15th Annual Delta Woods and Waters Expo		
Attachments:	1. Request Letter From City of Spanish Fort 20250213, 2. Cost Estimate-Delta Woods and Water Expo		

History (1) Text

1 record Group Export

Date	Ver.	Action By	Action	Result	Action Details	Meeting Details	Video
3/5/2025	1	Baldwin County Commission Regular	Approved as part of the Consent Agenda		Action details	Meeting details	Video

TABLE 4-2 BALDW[illegible]OUNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B-1-b-iii-(2)	*4.4.7.1*	*Reduction of Littler, Floatable & Debris-Watershed Signage & Environmental Awareness Signage*	*In year one of the permit cycle, the County will create an inventory watershed and environmental awareness signage located in the MS4 area*	*Trash & Floatable*	*Hwy & P&Z*

Sign Size	HwyDept	MUTCD_Description	SignSize	HwyDept	MUTCD Description
2025/2026		**No Updates**			

TABLE 4-2 BALDWI[illegible]OUNTY PHASE II MS4

MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B-1-b-iii-(2)	*4.4.7.1*	*Reduction of Littler, Floatable & Debris-Watershed Signage & Environmental Awareness Signage*	*In year one of the permit cycle, install watershed signage in the Magnolia River Watershed (this is outside the MS4 Area but educates all citizens including MS4)*	*Trash & Floatable*	*Hwy & P&Z*

Qty	Watershed	2022/2023 Completed	Date Installed
5	Magnolia River Watershed Signage		12/29/2022
1	Wolf Bay Watershed Signage		12/29/2022

TABLE 4-2 BALDWI UNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B-1-b-iii-(2)	*4.4.7.1*	*Reduction of Littler, Floatable & Debris-Watershed Signage & Environmental Awareness Signage*	*In year three of the permit cycle, install or update watershed signage in one additional MS4 Watershed*	*Trash & Floatable*	*Hwy & P&Z*
	Year 4	**2025/2026**	Date		
		No Updates			
	Year 3	**2024/2025**	Date		
		Western Perdido Bay Watershed	5/1/2024		

TABLE 4-2 BALDWI)UNTY PHASE II MS4
MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B-1-b-iii-(2)	*4.4.7.1*	*Reduction of Littler, Floatable & Debris-Watershed Signage & Environmental Awareness Signage*	*Throughout the permit cycle, maintain watershed and environmental awareness signs and inventory*	*Trash & Floatable*	*Hwy & P&Z*
		2025/2026	**Signs Inventoried and Maintained**		
			Complete		

TABLE 4-2 BALDWI[illegible]OUNTY PHASE II MS4

MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B-1-b-iii-(1)	*4.4.7.2*	*Reduction of Littler, Floatable & Debris-Watershed Signage & Environmental Awareness Signage*	*In year 1, partner with Eastern Shore (ES)MS4 to plan a community event to install storm drain labels throughout the ES MS4 area.*	*Trash & Floatable*	*Solid Waste & P&Z*

	Date	Meeting Title	Meeting Topic
	2025/2026	Eastern Shore MS4	Completed in 2023

TABLE 4 BALDWI[illegible]UNTY PHASE II MS4

MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B-1-b-iii-(1)	*4.4.7.2*	*Reduction of Littler, Floatable & Debris-Watershed Signage & Environmental Awareness Signage*	*In year 2, partner with Eastern Shore (ES) MS4 to host the community event to install storm drain labels throughout the ES MS4 area.*	*Trash & Floatable*	*P&Z*

Date:	Status
2025/2026	Complete
3/19/2025	Storm Drain Labels Installed

TABLE 4 BALDWIN COUNTY PHASE II MS4

MCM 1 -Public Education Outreach Strategies and Goals

NPDES Permit Section	SWMPP Section	4-Public Education & Outreach Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1d	*4.6*	*Program Evaluation*	*Throughout the permit cycle, evaluate the Education Outreach Minimum Control Measure strategies and goals achieved and submit an annual report*	*ALL*	*P&Z*

Date:	Evaluation
2025/2026	The Public Education Outreach Minimum Control
	Measure strategies and goals have been tracked in the
	Annual Report's Spreadsheets. Proposed updates will
	be detailed in the MCM Evaluation Summary.

2021-2026 Table 5-1 Baldwin County Phase II MS4

MCM 1-Public Involvement/Public Participation Strategies and Goals

NPDES Permit Section	SWMPP Section	5-Public Involvement/Participation Strategy	Goal	Pollution Targeted	Responsible Departments	2021/2022 Proposed	2021/2022 Achieved	2022/2023 Proposed	2022/2023 Achieved	2023/2024 Proposed	2023/2024 Achieved	2024/2025 Proposed	2024/2025 Achieved	2025/2026 Proposed	2025/2026 Achieved
Part III-B1bv	5.2.1	Litter & Trash Abatement Programs	Throughout the permit cycle, the County will partner with Adopt-a-Mile, Adopt-a-Stream litter programs and track program events	Trash & Floatables	Solid Waste & P&Z	***	***	*	*	*	*	*	*	*	*
Part III-B1bv	5.2.1	Litter & Trash Abatement Programs	Community Clean-Up -County will participate, promote, and /or sponsor one (1) event a year	Trash & Floatables	Solid Waste & P&Z	***	***	1	2	1	1 🗀	1	1	1	✓🗀
Part III-B1bv	5.2.1.1	Litter & Trash Abatement Programs	Throughout the permit cycle, the County will provide recycle dumpsters within the MS4 area of the county. The county will track recycle quantities in the annual report	Trash	Solid Waste	***	***	✓	🗀	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-B1bv	5.2.1.2	Litter & Trash Abatement Programs	Baldwin County Clean Sweep- Household Waste Amnesty Day-the County will host one household solid waste amnesty day a permit cycle ~~a year.~~	Hazardous Waste- & Trash	Solid Waste	***	***	✓	🗀	1	X	1	1	*	*
Part III-B1bi	5.2.2.2	Committees, Watershed Organizations & Groups;	During the permit cycle the County EAC hold eight (8) meeting a year	All	P&Z	***	***	8	25 🗀	8	12 🗀	8	11	8	10 🗀
Part III-B1bi	5.2.2.2	Committees, Watershed Organizations & Groups;	During the Master Plan/Comprehensive Plan process, the EAC Review and Update the proposed plan updates.	All	P&Z & EAC	***	***	✓	🗀	©	©	©	©	©	©
Part III-B1bi	5.2.2.2	Committees, Watershed Organizations & Groups;	Throughout the permit cycle, the EAC will Review Annual Report and Update SWMPP	All	P&Z & EAC	***	***	✓	🗀	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-B1bv	5.2.2.3	Committees, Watershed Organizations & Groups;	Oncer per year, the County will host or attend Eastern Shore MS4 meeting	All	P&Z	***	***	1	2 🗀	1	1 🗀	1	2	1	1 🗀
Part III-B1bv	5.2.2.4	Committees, Watershed Organizations & Groups;	County staff will promote, participate and track watershed organization events	All	P&Z	***	***	✓	✓	✓	✓🗀	✓	✓	✓	✓🗀
Part III-B1bv	5.2.2.4	Committees, Watershed Organizations & Groups;	County Staff will promote, participate and track attendance in County Watershed Management Plan Steering Committees	All	P&Z	***	***	✓	🗀	✓	3 🗀	*	*	*	*
Part III-B1bv	5.2.2.5	Committees, Watershed Organizations & Groups;	Alabama Water Watch Monitoring (AWW)-Partner with the MBNEP to provide two (2) AWW trainings per permit cycle	All	P&Z	***	***	*	*	2	2 🗀	*	1	*	4 🗀
Part III-B1bv	5.2.3	Commissions, Board of Adjustment & Other Public Involvement Opportunities	Through out the permit cycle, the County will track all Master Plan public meetings	All	P&Z	***	***	✓	🗀	©	©	©	©	©	©
Part III-B1bv	5.2.3 - 1,2&3	Commissions, Board of Adjustment & Other Public Involvement Opportunities	Through out the permit cycle, track Commission, BOA & Other Public Involvement Meetings	All	P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-B-1d	5.4	Program Evaluation	Throughout the permit cycle, evaluate the Public Involvement and Participation Minimum Control Measure strategies and goals achieved and submit an annual report	All	P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
					Totals	***	***	19	38	19	24	16	21	**15**	**21**

	©	**Completed For Permit Cycle**
	*	**Not Proposed for Permit Year**
	**	**Completed Prior to Proposed Year**
	***	**Spreadsheet Not Used for 2021/2022 Reporting Period**
	X	**Not Completed-Goal Not Met**
	🗀	**Attachment Included in Report**
	P&Z	**Planning & Zoning**
	Hwy	**Highway**

Table 5 Baldwin County Phase II MS4

MCM 1-Public Involvement/Public Participation Strategies and Goals

NPDES Permit Section	SWMPP Section	5-Public Involvement/Participation Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bv	*5.2.1*	*Litter & Trash Abatement Programs*	*Throughout the permit cycle, the County will partner with Adopt-a-Mile, Adopt-a-Stream litter programs and track program events*	*Trash & Floatable*	*Solid Waste & P&Z*

Permit Year	Description
2025-2026	No Activities

Table 5 Baldwin ..nty Phase II MS4

MCM 1-Public Involvement/Public Participation Strategies and Goals

NPDES Permit Section	SWMPP Section	5-Public Involvement/Participation Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bv	*5.2.1*	*Litter & Trash Abatement Programs*	*Community Clean-Up County will participate and /or sponsor 1 event a year*	*Trash & Floatable*	*Solid Waste & P&Z*
2025/2026	**Date**	**Event**	**Location**		
	9/20/2025	Coastal Cleanup	Coastal Areas Including MS4-BCSWDA Provides Dumpsters		

Alabama Coastal Cleanup Sponsors

Our 2025 Sponsors

A Big Thank You Goes Out To All of Our Sponsors

Title Sponsor

Poarch Band of Creek Indians

Coordinators

Alabama PALS (People Against A Littered State) | Alabama Department of Conservation and Natural Resources | National Oceanic and Atmospheric Administration

Dolphin Sponsors $10,000+

Bebo's Express

Sea Turtle Sponsors $5000

Airbus | Ike's Beach Service | |Perdido Beach Resort

Dune Sponsors $2,000+

Baldwin County Solid Waste Authority | City of Gulf Shores | City of Orange Beach | Coast 360 | CoastAL | Coastal Conservation Association of Alabama (CCAA) | Compass Media | Evonik | Flora-Bama | Gulf Shores & Orange Beach Tourism |The Home Depot | Kömmerling USA | Lulu's | Mobile Bay National Estuary Program | Riviera Utilities | Rock & Roll Offs

Seagull Sponsors $500+

Alabama Power | Baldwin County Sewer Service

PALS Sponsors

ALDOT | Alabama Farmers Cooperative | ALFA | Association of County Commissions of Alabama | Coca Cola Bottling Company United | Vulcan Materials

In-Kind Sponsors

The Ocean Conservancy | Osprey Initiative | Thompson Engineering | Weeks Bay National Estuarine Research Reserve

Find Your Zone And Get Involved!

Find Your Zone

NEWSLETTER

Keep up to date with all of the information about the Alabama Coastal Cleanup

Alabama's Coastal Cleanup

Get the Trash out of the Splash!

On Saturday, September 20, 2025, thousands of volunteers will head to the beaches, lakes, and streams of Alabama to remove trash and debris from land and water. Volunteers of all ages will form the largest one-day volunteer event in the state on behalf of clean oceans and waterways — Alabama's Coastal Cleanup.

During last year's cleanup, 2,470 dedicated volunteersremoved 21,695 pounds of debris from the coastal area. We're proud of our 2024 volunteers and look forward to a successful cleanup in 2025!

Over the past 37 years...

--112,918 volunteers have participated in the Alabama Coastal Cleanup.

--7,133 miles of coastline have been cleaned.

--1,801,606 pounds of debris have been removed.





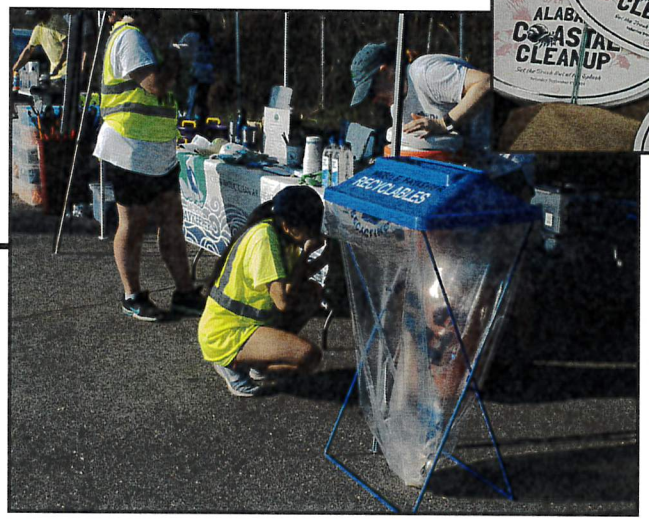


Pollution prevention is the key

Alabama's Coastal Cleanup isn't just about pollution cleanup — it's also about pollution prevention. The event focuses on educating and empowering people to become a part of the marine debris solution.

What makes the Alabama Coastal Cleanup unique is its data collection component. Volunteers record specific types of marine debris being found, allowing Ocean Conservancy, sponsor of the International Coastal Cleanup, to compile, analyze and track this data year-by-year and make discoveries about the behaviors that cause the debris.

The final information is used to educate the public, business, industry, and government officials about the problem. We believe understanding the problem is the key to finding long-lasting solutions.





The Alabama Coastal Cleanup is coordinated by

ALABAMA PALS
PEOPLE AGAINST A LITTERED STATE

STATE LANDS DIVISION
ALABAMA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES

Marine debris is dangerous

Marine debris negatively impacts coastal and marine animals. Animals may become entangled in or could ingest derelict fishing gear, trash, or other discarded debris. For example, a plastic snadwich bag floating in the ociean can ealily be mistaken for a jellyfish, a favorite food of sea turtles found in our coastal waters. If ingested, the results could be fatal. Reducing marine debris will help protect all marine-life.

Ten things you can do to help prevent marine debris

1. Join Alabama's 38th Annual Coastal Cleanup on September 20th, 2025.

2. Clean up your trash, even when not near the water. It's amazing that a vast majority of trash in our waterways comes from land-based activities. Even trash discarded miles inland can make it to the ocean, carried by the rain and the winds.

3. Retrieve your monofilament fishing line. Don't leave fishing line in the water and remove others' when you find it...being careful not to tug on snagged lines that could be caught on important habitat below the surface. ALWAYS be aware of hooks that may be left on the line.

4. Contain and properly clean spills when boating. Use oil-absorbent rags or even diapers to clean spills. Ocean Conservancy's Good Mate program can provide you with plenty of tips for reducing impact when on the water.

5. Recycle used motor oil and oil filters. Your local gas station should have facilities for recycling these materials. Never pour oil, paint, antifreeze, or other household chemicals into an open sewer.

6. Better yet, find alternatives to household chemicals. Don't use fertilizers, pesticides, and herbicides that can wash into open waters. Use lemon juice, vinegar, and baking soda for household cleaning.

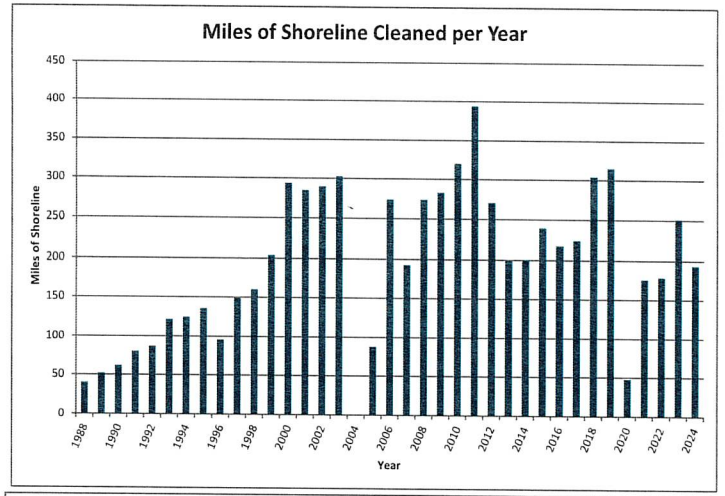
7. Become a storm drain sentry. Stencil your local drains to remind people where the things they dump there end up...and of the potential consequences.

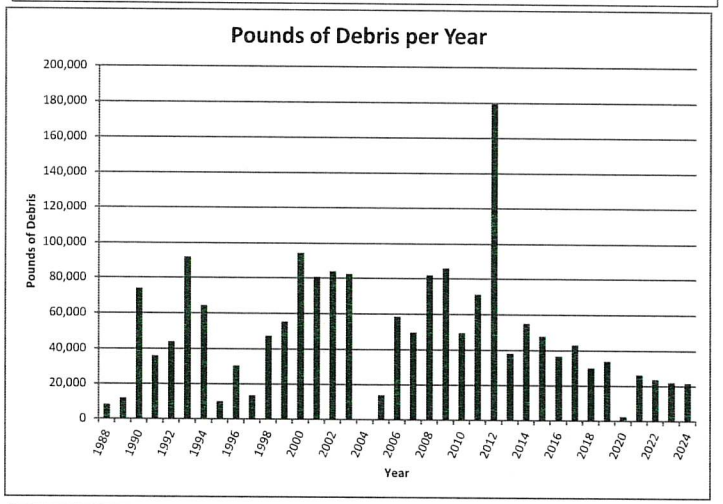
8. Use cloth bags for groceries. Take them with you when you shop to reduce the number of plastic bags you use. Plastic bags can be harmful to marine wildlife when mistaken for food.

9. Properly dispose of used batteries and electronics. Use your local recycling center. Electronics leach harmful chemicals into the environment. Once there, these toxic pollutants can affect the environment for decades.

10. Contact your elected representatives. Let them know you care about the effects of marine debris and that you are watching what they do to stop it. Then, vote for candidates who support marine debris prevention and are good stewards of our ocean.

www.AlabamaCoastalCleanup.com





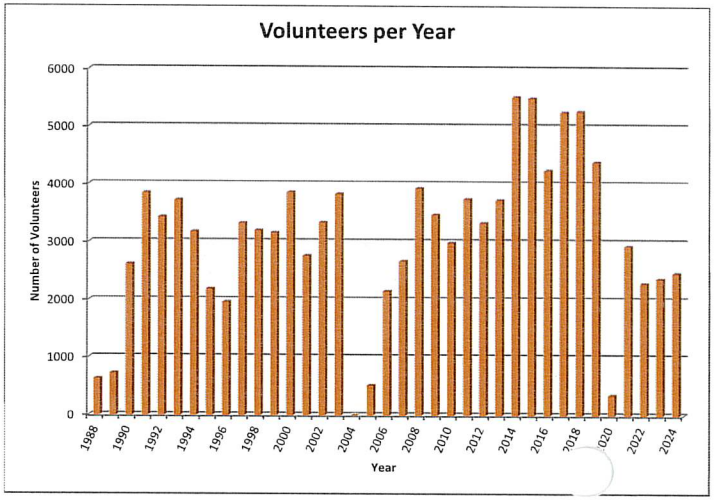


Table 5-1 Baldwi unty Phase II MS4

MCM 1-Public Involvement/Public Participation Strategies and Goals

NPDES Permit Section	SWMPP Section	5-Public Involvement/Participation Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bv	*5.2.1.1*	*Litter & Trash Abatement Programs*	*Throughout the permit cycle, the County will provide recycle dumpsters within the MS4 area of the county. The county will track recycle quantities in the annual report.*	*Trash*	*Solid Waste*
2025/2026		**Recycle Bins Locations**	**Total Recycle Tons**		
		Fairhope Courthouse	41.09	See Section 9.2.3.7	
		MacBride Landfill	29.32		
		Spanish Fort Kids Park	82.97		

Table 5-1 Baldwi unty Phase II MS4

MCM 1-Public Involvement/Public Participation Strategies and Goals

NPDES Permit Section	SWMPP Section	5-Public Involvement/Participation Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bv	*5.2.1.2*	*Litter & Trash Abatement Programs*	*Baldwin County Clean Sweep Household Waste Amnesty Day the County will host one household solid waste amnesty day a year*	*Hazardous Waste & Trash*	*Solid Waste*
2025/2026 Date		**Event**	**Location**		
4/18/2026		Clean Sweep	County Wide		

MAGNOLIA LANDFILL
MACBRIDE LANDFILL
EASTFORK LANDFILL
BAY MINETTE TRANSFER STATION
FAIRHOPE CHARM

SOLID WASTE DISPOSAL AUTHORITY
ESTD
2023
BALDWIN COUNTY, AL

7 AM - 3 PM

CLEAN SWEEP

APRIL 18, 2026

ACCEPTABLE WASTE:

YARD WASTE
CONSTRUCTION DEBRIS
CARDBOARD
TIRES
ELECTRONICS
FURNITURE
APPLIANCES
SCRAP METAL
CARPET
PAINT
HOUSEHOLD HAZARDOUS WASTE

*Residential debris only. Normal charges will be in effect for commercial/business disposal.

baldwincountyswda.org

Table 5-1 Baldwin County Phase II MS4
MCM 1-Public Involvement/Public Participation Strategies and Goals

NPDES Permit Section	SWMPP Section	5-Public Involvement/Participation Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bi	*5.2.2.2*	*Committees, Watershed Organizations & Groups*	*During the permit cycle the County EAC hold 8 meetings a year*	*ALL*	*P&Z*

Total	Date	Meeting	Topics	Staff	Members/Guest
1	3/3/2026	EAC Meeting	John Curry - AGWA Modeling	2	16
2	2/3/2026	EAC Meeting	2026 EAC Award & Guest Speakers	2	13
3	1/6/2026	EAC Meeting	County's Master Plan & Annual EAC Goals	2	14
4	12/2/2025	EAC Meeting	No Meeting		
5	11/4/2025	EAC Meeting	2026 EAC Stewardship Awards	2	9
6	10/7/2025	EAC Meeting	County's Master/Comprehensive Plan	2	13
7	9/2/2025	EAC Meeting	OBWW project ADEM 319	2	10
8	8/5/2025	EAC Meeting	USACE Fort Morgan Shoreline Study	2	13
9	7/1/2025	EAC Meeting	No Meeting		
10	6/3/2025	EAC Meeting	MBNEP Pathogen Det w/Canine Tracking	2	10
11	5/6/2025	EAC Meeting	MS4 Outreach & Annual Report	2	12
12	4/1/2025	EAC Meeting	MS4 Outreach	2	8
			Total	20	118

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING AGENDA

March 3, 2026, 4:00 PM

Robertsdale Central Annex

1. Call to Order -
2. Roll Call -
3. Approval of the EAC Meeting Minutes - **(2026-02-03 EAC Meeting Minutes)**
4. New Business - John Curry (Hydro Engineering - AGWA Modeling)
5. Old Business - 2026 EAC Award Nomination Review and Discussion
6. Other Business/Announcements/Public Comments – Discuss MS4 report. Permit ends March 31st, present annual report during May Meeting.
7. Adjournment -

CREATE A Clean Water FUTURE

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING MINUTES

March 3, 2026, 4:00 PM
Robertsdale Central Annex

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1. **Call to Order** –

   The meeting was called to order at 4:03 p.m.

2. **Roll Call** -

   Members Present: Steve Barnett, Glenda Dean (Teams), Brett Gaar, Leslie Gahagan, Phillip Hinesley, Philip Jennings, Don Joffe, Vaughn Millner, and Thomas Rachel (Teams)
   Staff Present: Ashley Campbell and James Howard
   Guests: Clark Strong, John Curry, Lani Cameron, Michelle Pennington, Anna Smith

3. Approval of the EAC Meeting Minutes - **(2026-02-03 EAC Meeting Minutes)**
   26-02-03 – Motion to Approve: Don Joffe 2nd: Steve Barnette Vote: Unanimous

4. **New Business** – John Curry of Hydro Engineering presented on AGWA Modeling, followed by a Q/A session

5. **Old Business** - 2026 EAC Award Nomination Review and Discussion
   - 9 of 13 Members have completed voting
   - Remaining votes should be submitted as soon as possible so awards can be ordered

6. **Other Business/Announcements/Public Comments** –
   a. Approval of ADEM 319 Letter of support for the Lillian Park Project to be presented to the County Commissioners
      26-03-03 – Motion to Approve: Leslie Gahagan 2nd: Brett Gaar Vote: Unanimous
   b. Discussion was held regarding future development in North Baldwin County and the BC zoning petition process

CREATE A Clean Water FUTURE

c. Members proposed playing *Sally's Ashes* video at future meeting
    - Following review, it was determined that the matter is outside the purview of the EAC and is currently being addressed by the EPA. As a result, the video will not be considered for presentation.
d. Guest attendee raised concerns regarding the disappearance of frogs in the Boothe Road area

7. **Adjournment**-
   The meeting was adjourned at 5:23 p.m.

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING AGENDA

February 3, 2026 4:00 PM
Robertsdale Central Annex

1. Call to Order -

2. Roll Call -

3. Approval of the EAC Meeting Minutes **(2026-01-06 EAC Meeting Minutes)**

4. New Business –

5. Old Business –
    a. EAC Annual Goals Update Approval
    b. 2026 Proposed Meeting Schedule Approval
    c. 2026 EAC Award Nomination Review and Discussion
    d. Master Plan Subcommittee Request for Volunteers Update
    e. Request for Guest Speakers for 2026
        - March 3-John Curry-Hydro Engineering-AGWA Modeling
        - TBD-In Mobile-USACE Shoreline Stabilization with Jetties
        - TBD-Wade Burcham-Baldwin County's Low Impact Development Regulation's Tool
        - TBD-Scott Bannon-Alabama Wildlife Federation Five Rivers
        - ADEM-Budget Cuts-No Presentation-ADEM will provide an update for Western Shore of Perdido Bay water quality report

6. Other Business/Announcements/Public Comments -

7. Adjournment -

CREATE A Clean Water FUTURE

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING MINUTES

February 3, 2026 4:00 PM
Robertsdale Central Annex

1. **Call to Order –**

The meeting was called to order at 4:03 p.m.

2. **Roll Call -**

Members Present: Steve Barnett, Brett Gaar, Phillip Hinesley, Philip Jennings, Don Joffe, Thomas Rachel (Teams), and Jesi Ward

Staff Present: Ashley Campbell and James Howard

Guests: Clark Strong, Lani Cameron, Michelle Pennington, Gary Glover

3. Approval of the EAC Meeting Minutes **(2026-01-06 EAC Meeting Minutes)**

26-01-06 – Motion to Approve: Jesi Ward 2nd: Donald Joffe Vote: Unanimous

4. **New Business –**

5. **Old Business –**

   a. EAC Annual Goals Update Approval

   Motion to Approve: Thomas Rachel *2nd: Jesi Ward* *Vote: Unanimous*

   b. 2026 Proposed Meeting Schedule Approval

   Motion to Approve: Jesi Ward *2nd: Donald Joffe* *Vote: Unanimous*

   c. 2026 EAC Award Nomination Review and Discussion

   - Discussion and review were held regarding the current nominations and award categories for the annual EAC Awards. Following the discussion, a vote was taken to conduct the award voting process online using Google Forms.

   Motion to Approve: Jesi Ward *2nd: Thomas Rachel* *`Vote: Unanimous*

   d. Master Plan Subcommittee Request for Volunteers Update

   - Volunteers are still being accepted. The current subcommittee includes Brett Gaar, who will review the master plan maps upon completion.

   e. Request for Guest Speakers for 2026

   - March 3- John Curry-Hydro Engineering-AGWA Modeling
   - TBD - In Mobile-USACE Shoreline Stabilization with Jetties
     - Coordinating with Leslie Lott to confirm date

- TBD- Wade Burcham-Baldwin County's Low Impact Development Regulation's Tool
- April 7- Scott Bannon-Alabama Wildlife Federation Five Rivers
  - Scheduled for April
- ADEM- Budget Cuts-No Presentation-ADEM will provide an update for Western Shore of Perdido Bay water quality report
  - Not available

6. Other Business/Announcements/Public Comments –
   - Members requested a copy of the county organizational chart, proposed adding Clark Strong as a committee member, and noted that the Wolf Bay Watershed Watch Annual Meeting will be held on February 7th at 10:00 AM at Graham Creek Nature Preserve.
7. Adjournment
   The meeting was adjourned at 5:33 p.m.

CREATE A Clean Water FUTURE

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING AGENDA

January 6, 2026 4:00 PM
Robertsdale Central Annex

1. Call to Order -

2. Roll Call -

3. Approval of the EAC Meeting Minutes **(2025-10-07 EAC Meeting Minutes & 2025-11-04 EAC Meeting Minutes)**
4. New Business -
    a. EAC Annual Goals Update
    b. Master Plan Subcommittee Discussion & Request for Volunteers
    c. Request for Guest Speakers for 2026
        - John Curry-Hydro Engineering-AGWA Modeling
        - USACE Shoreline Stabilization with Jetties
        - Other Request
5. Old Business -
    a. Letter of Support for Auburn University Grant Titled-Promoting Infiltration Swales as a Green Stormwater Infrastructure Practice in Coastal Alabama-Was approved by the County Commission on December 2nd.
    b. 2026 EAC Environmental Stewardship Awards Nomination Review and Discussion
    c. Second Materials Recovery Facility Tour

6. Other Business/Announcements/Public Comments -

7. Adjournment -

CREATE A Clean Water FUTURE

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING MINUTES

January 6, 2026 - 4:00 PM
Robertsdale Central Annex

1. **Call to Order**
   The meeting was called to order at 4:05 p.m.
2. **Roll Call**
   Members Present: Brett Gaar, Leslie Gahagan (Teams), Phillip Hinesley (Teams), Don Joffe, Vaughn Millner, Philip Jennings, Thomas Rachel (Phone), and Jesi Ward
   Staff Present: Ashley Campbell and James Howard
   Guests: Clark Strong, Michelle Pennington, and Lani Cameron
3. Approval of the EAC Meeting Minutes:

25-10-07 – Motion to Approve: Jesi Ward	2nd: Donald Joffe	Vote: Unanimous
25-11-04 – Motion to Approve: Donald Joffe	2nd: Vaughn Millner	Vote: Unanimous

4. **New Business**
   a. Discussion was held regarding the EAC goals for the current year. Most goals remained unchanged, as some have been completed and others are no longer applicable. The updated goals are listed in the attached Spreadsheet.
   b. The County's Master Plan was noted as needing enhancement. Volunteers were requested to assist, and the formation of a subcommittee was discussed for future support. Volunteers would also help with creating conservation maps and identifying conservation lands throughout the county. Brett Gaar volunteered to assist in the effort.
   c. 2026 Guest Speakers
      - John Curry (Scheduled for March 3)
      - USACE Shoreline stabilization with Jetties - After a conversation with the USACE we will not have a presentation. We will have an in-person meeting in Mobile.
      - Geological Survey of Alabama representative to speak on the current state of Baldwin County aquifer (Ground Water Status)
      - ADEM – Representative to speak on Water Quality (Peterson Branch)
      - Alabama Wildlife Federation Presentation-Fiver Rivers Facility-Scott Bannon
5. **Old Business**
   a. Letter of Support for Auburn University Grant Titled-Promoting Infiltration Swales as a Green Stormwater Infrastructure Practice in Coastal Alabama-Was approved by the County Commission on December 2nd

b. The EAC was reminded that the 2026 EAC Environmental Stewardship Nominations are due February 1st .

c. The second Materials Recovery Facility Tour was discussed.

6. **Other Business / Announcements/Public Comments**

a. Questions and concerns regarding the Baldwin County Solid Waste Authority may be directed to (251) 972-6878.

b. Concerns were raised about the usability of the County website and the need for clearer understanding of the roles and responsibilities of various entities and individuals. The EAC will be asked to review and make recommendations for the updates to the website. The updates will include a Planning and Zoning Employee Organizational Chart.

7. **Adjournment**

The meeting was adjourned at 5:30 p.m.

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING AGENDA

November 4, 2025, 4:00 PM
Robertsdale Central Annex

1. Call to Order -
2. Roll Call -
3. Approval of the EAC Meeting Minutes **(2025-10-07 EAC Meeting Minutes)**
4. New Business -
    a. Letter of Support for Auburn University Grant Titled-Promoting Infiltration Swales as a Green Stormwater Infrastructure Practice in Coastal Alabama
    b. 2026 EAC Environmental Stewardship Awards
5. Old Business –
    a. Reminder No EAC Meeting in December
    b. New EAC Member List & Introduction of new EAC member
6. Other Business/Announcements/Public Comments –
7. Adjournment -

CREATE A Clean Water FUTURE

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING MINUTES

November 4, 2025, 4:00 PM
Robertsdale Central Annex

1. **Call to Order**
   The meeting was called to order at 4:02 p.m.
2. **Roll Call**
   Members Present: Glenda Dean, Leslie Gahagan, Don Joffe, Vaughn Millner, Philip Jennings
   Staff Present: Ashley Campbell, Rebecca Peacock
   Guests: Clark Strong, Michelle Pennington, Anna Marie O'Brien, and Lani Cameron
3. **Approval of Previous Meeting Minutes**
   The October 7, 2025, EAC Meeting Minutes were not approved due to the absence of a quorum.
4. **New Business**
   a. **Letter of Support – Auburn University Grant**
   Discussion was held regarding a request for a letter of support for the Auburn University grant titled *"Promoting Infiltration Swales as a Green Stormwater Infrastructure Practice in Coastal Alabama."* Ashley will email EAC members to conduct a vote to move the request forward to the December 2nd County Commission meeting.
5. **Old Business**
   a. Reminder that there will be no EAC meeting in December.
   b. Review of the updated EAC member list and introduction of new member Philip Jennings.
   c. Members were encouraged to begin considering nominations for the 2026 EAC Environmental Stewardship Awards.
6. **Other Business / Announcements/Public Comments**
   a. Leslie provided an update on Moccasin Bayou.
   b. A request was made to invite John Curry of Hydro Engineering to speak at an EAC meeting in 2026.
   c. Ashley will coordinate and schedule another Material Repurpose Facility tour in December.
   d. The Magnolia River Alabama Water Watch Group and Water Quality Task Force efforts to improve water quality in Magnolia River were discussed.
   f. The Mobile Bay National Estuary Programs Regulatory Matrix summarizing local environmental ordinances was discussed. Ashley agreed to send the EAC a copy of the 2025 Regulatory Matrix.
7. **Adjournment**
   The meeting was adjourned at 4:52 p.m.

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING AGENDA

October 7, 2025, 4:00 PM
Robertsdale Central Annex

1. Call to Order -
2. Roll Call -
3. Approval of the EAC Meeting Minutes **(2025-08-05 & 09-02 EAC Meeting Minutes)**
4. New Business - County Commission District 2, EAC Potential Member Resume
5. Old Business - Presentation to be given by Jay Dickson, Baldwin County P&Z Director, regarding the County's Master/Comprehensive Plan update.
6. Other Business/Announcements/Public Comments -
7. Adjournment -

CREATE A Clean Water FUTURE

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING MINUTES

October 7, 2025, 4:00 PM
Robertsdale Central Annex

1. Call to Order – 4:02 p.m.

2. Roll Call: Steve Barnett, Glenda Dean (Webex), Todd Frank, Brett Gaar, Leslie Gahagan, Donald Joffe, Vaughn Millner, Tim Mullek, Thomas Rachel, Jesi Ward
   Staff- Ashley Campbell & Rebecca Peacock
   Guests –Gary Gover, Clark Strong

3. Old Business: Jay Dickson, Baldwin County P&Z Director, Master/Comprehensive Plan Update Presentation.

4. Approval of the EAC Meeting Minutes **(2025-08-05 EAC & 2025-09-02 Meeting Minutes):**
   Motion: Jesi Ward Second: Don Joffe Vote: Unanimous

5. New Business: EAC Potential Member Resume Reviewed
   Motion: Brett Gaar Second: Leslie Gahagan Vote: Unanimous

6. Other Business/Announcements/Public Comments:

   a. Leslie Gahagan discussed the compliance issues with site in Elberta's Jurisdiction
   b. Holiday Schedule- A vote was taken to cancel the December meeting.
      Motion: Leslie Gahagan Second: Tommy Rachel Vote: Unanimous
   c. EAC Awards – Its time to start thinking about nominations for next year.

7. Adjournment – 5: 35 p.m.

CREATE A Clean Water FUTURE

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING AGENDA

September 2, 2025, 4:00 PM
Robertsdale Central Annex

1. Call to Order -
2. Roll Call -
3. Approval of the EAC Meeting Minutes **(2025-08-05 EAC Meeting Minutes)**
4. New Business – Presentation: City of Orange Beach Wind & Water Learning Center Making Steps Towards Improved Water Quality with ADEM 319 Grant Program Update- Jackie McGonigal, Wind & Water Learning Center Coordinator, Coastal Resource Department
5. Old Business –
6. Other Business/Announcements/Public Comments –
7. Adjournment -

CREATE A Clean Water FUTURE

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING MINUTES

September 2, 2025, 4:00 PM
Robertsdale Central Annex

1. Call to Order – 4:05 p.m.

2. Roll Call: Steve Barnett, Glenda Dean (Webex), Brett Gaar, Donald Joffe, Thomas Rachel, Thomas Schmitz- Lack of Quorum
   Staff- Ashley Campbell & Rebecca Peacock
   Guests –Gary Gover, Shannon McGlynn, Jennifer Barker, & Jackie McGonigal

3. Approval of the EAC Meeting Minutes **(2025-08-05 EAC Meeting Minutes):** *Lack of Quorum*

4. New Business: Presentation on the City of Orange Beach's Wind & Water Learning Center's Making Steps Towards Improved Water Quality with ADEM 319 Grant Program Update-Jackie McGonigal, Wind & Water Learning Center Coordinator, Coastal Resource Department Presentation

5. Old Business: Jay Dickson, Baldwin County P&Z Director, will be asked to attend the next meeting to discuss the County's Master/Comprehensive Plan update.

6. Other Business/Announcements/Public Comments:

   1. Fall/Winter Meeting Schedule to be determined at a future meeting.
   2. EAC resignation received. The need for replacement Commission District 2 member was discussed.
   3. Invasive Species Workshop September 26, 8-4.
   4. Magnolia River Water Quality Monitoring Discussion was held.
   5. Coastal Clean-Up September 20th.

7. Adjournment – 5:09 p.m.

CREATE A Clean Water FUTURE

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING AGENDA

August 5, 2025, 4:00 PM
Robertsdale Central Annex

1. Call to Order -

2. Roll Call -

3. Approval of the EAC Meeting Minutes - **(2025-06-03 EAC Meeting Minutes)**

4. New Business - USACE Fort Morgan Shoreline Study Update
   Speakers
   - David Newell, Coastal Resiliency Program Manger
   - Ashley Forwood, M.S.Plan Formulator/Silver Jackets Co-Coordinator, Environmental and Planning Division. Army Corps of Engineers, Mobile District
   - Tom Jester, Continuing Authorities Program (CAP), Dallas Texas

5. Old Business -
   a. ADEM Request for Water Quality Monitoring Sites
   b. BC Solid Waste MRF Tour Review
   c. Volunteers for Master Plan/Growth Plan Subcommittee

6. Other Business/Announcements/Public Comments - September Meeting Topic: Presentation on the City of Orange Beach's Wind & Water Learning Center's Making Steps Towards Improved Water Quality with ADEM 319 Grant Program Update-Jackie McGonigal, Wind & Water Learning Center Coordinator, Coastal Resource Department

7. Adjournment -

CREATE A Clean Water FUTURE

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING MINUTES

August 5, 2025, 4:00 PM
Robertsdale Central Annex

1. Call to Order – 4:00 p.m.

2. Roll Call: Steve Barnett, Glenda Dean (Webex), Brett Gaar, Leslie Gahagan-, Phillip Hinesley (Webex), Donald Joffe, Vaughn Millner, Thomas Rachel, Thomas Schmitz, & Jesi Ward,
   Staff- Ashley Campbell & Rebecca Peacock
   Guests –Gary Gover, Anna-Marie O'Brien, Michelle Pennington, & Clark Strong

3. Approval of the EAC Meeting Minutes **(2025-06-03 EAC Meeting Minutes):**
   Motion – Thomas Schmitz 2nd – Donald Joffe Vote – Unanimous

4. New Business: USACE Fort Morgan Shoreline Study Update (Presentation Attached)
   Speakers
   - David Newell-In Person, Coastal Resiliency Program Manger
   - Ashley Forwood-Webex, M.S.Plan Formulator/Silver Jackets Co-Coordinator, Environmental and Planning Division. Army Corps of Engineers, Mobile District

5. Old Business:
   a. ADEM Request for Water Quality Monitoring Sites-A discussion was held regarding the 2025 ADEM request. The EAC agreed to keep the 2024 recommendation list but to add the tributaries (Eslava Creek, Schoolhouse Branch, Weeks Creek, & Nolte Creek) of the Magnolia River to the list.
      Motion - Leslie Gahagan 2nd - Steve Barnett Vote - Unanimous
   b. BC Solid Waste MRF Tour was discussed
   c. A discussion was held regarding the future update to the County's Comprehensive Plan/A Citizen's Guide to Growth in Zoned Areas of Baldwin County.

6. Other Business/Announcements/Public Comments –September Meeting Topic: Presentation on the City of Orange Beach's Wind & Water Learning Center's Making Steps Towards Improved Water Quality with ADEM 319 Grant Program Update-Jackie McGonigal, Wind & Water Learning Center Coordinator, Coastal Resource Department

7. Adjournment – 5: 30 p.m.

CREATE A Clean Water FUTURE

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING AGENDA

June 3, 2025, 4:00 PM
Robertsdale Central Annex

1. Call to Order -
2. Roll Call -
3. Approval of the EAC Meeting Minutes **(2025-05-06 EAC Meeting Minutes)**
4. New Business –
    a. MBNEP Pathogen Detection with Canine Tracking Presentation: Cody Aloi, MBNEP. Paul Orcutt, Dog Handler
5. Old Business -
    a. Finalize MRF Tour – July 9 @ 9:00 or another date
6. Other Business/Announcements/Public Comments –
    1. No July Meeting
    2. USACE Fort Morgan Shoreline Erosion Presentation TBD
7. Adjournment -

CREATE A Clean Water FUTURE

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING MINUTES

June 3, 2025, 4:00 PM
Robertsdale Central Annex

1. Call to Order – 4:00 p.m.

2. Roll Call: Steve Barnett, Glenda Dean (Webex), Brett Gaar, Leslie Gahagan (Webex), Phillip Hinesley (Webex), Don Joffe, Thomas Rachel, Thomas Schmitz
   Staff- Ashley Campbell, Rebecca Peacock
   Guests –Nicholas Stroh, Lani Cameron, & Commissioner Underwood

3. Approval of the EAC Meeting Minutes **(2025-05-06 EAC Meeting Minutes):**
   Motion – Tom Schmitz 2nd – Donald Joffe Vote – Unanimous

4. New Business: MBNEP Pathogen Detection with Canine Tracking Presentation: Cody Aloi, MBNEP. Paul Orcutt, Dog Handler

5. Old Business: Finalized MRF Tour Date - July 30 @ 9:00 a.m.

6. Other Business/Announcements/Public Comments –
   a. Due to the 4th of July, the July EAC meeting was cancelled per the vote below.
      Motion – Vaughn Millner 2nd – Brett Gaar Vote – Unanimous
   b. August Meeting USACE Shoreline Erosion Presentation was approved.

7. Adjournment – 5:20 p.m.

CREATE A Clean Water FUTURE

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING AGENDA

May 06, 2025, 4:00 PM
Robertsdale Central Annex

1. Call to Order -
2. Roll Call -
3. Approval of the EAC Meeting Minutes **(2025-04-01 EAC Meeting Minutes)**
4. New Business –
    a. MS4 Annual Report Review
    b. End of Year Video
5. Old Business -
    a. AGWA Update - MBNEP Request for Recommendations Update
    b. EAC BC Stewardship Awards
6. Other Business/Announcements/Public Comments –
    a. MRF Tour Date
    b. MBNEP - Source Tracking with Dog Presentation Date
7. Adjournment -

CREATE A Clean Water FUTURE

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING MINUTES

May 06, 2025, 4:00 PM
Robertsdale Central Annex

1. Call to Order – 4:01 p.m.

2. Roll Call: Steve Barnett, Chuck Harris, Glenda Dean (Webex), Brett Gaar, Leslie Gahagan (Webex), Phillip Hinesley (Webex), Vaughn Millner, Thomas Schmitz
   Staff- Ashley Campbell, Rebecca Peacock
   Guests – Michelle Pennington, Natascha Dilley, Lani Camron, Clark Strong

3. Approval of the EAC Meeting Minutes **(2025-04-01 EAC Meeting Minutes):**
   Motion – Vaughn Millner 2nd – Steve Barnett Vote – Unanimous

4. New Business:
   a. MS4 Annual Report Review: Ashley gave a presentation on the County's annual accomplishments for its MS4 Permit.
   b. End of Year Video: Ashley showed the Baldwin County End of Year Video. Questions were asked about P&Z natural resource inspection program. Brett asked for a list of the 17 flood projects mentioned in the video.

5. Old Business:
   a. Stream Gauges - AGWA Update: The County will execute a sub-recipient agreement with the MBNEP to add 4 additional stream and rain gauges, three (3) in the Styx River Watershed and one (1) in the Magnolia Watershed.
   b. EAC BC Stewardship Awards: The awards ceremony was a great success. Ashley showed photos of the event. She also mentioned that Commissioner Mckenzie will be presenting the student winner, Mason Hobgood, with his award Thursday at the Gulf Shores Elementary School.

6. Other Business/Announcements/Public Comments –
   a. Due to the 4th of July, the July EAC meeting was cancelled per the vote below.
      Motion – Vaughn Millner 2nd – Brett Gaar Vote – Unanimous
   b. MRF Tour Date: Ashley will ask BCSWA for several potential dates for our July Tour.
   c. MBNEP Source Tracking with Dog Presentation: Cody Aloi with the MBENP will give a presentation for the June meeting.

7. Adjournment – 5:19 p.m.

CREATE A Clean Water FUTURE

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING AGENDA

April 1, 2025, 4:00 PM
Robertsdale Central Annex

1. Call to Order -
2. Roll Call -
3. Approval of the EAC Meeting Minutes **(2025-03-11 EAC Meeting Minutes)**
4. New Business -
5. Old Business -
    a. 2025 EAC Award Ceremony April 15th County Commission Meeting
    Time: 10:00am
    Location: Fairhope Satellite Courthouse
    b. MBNEP Request for Recommendations Update
6. Other Business/Announcements/Public Comments -
7. Adjournment -

CREATE A Clean Water FUTURE

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING MINUTES

April 1, 2025, 4:00 PM
Robertsdale Central Annex

1. Call to Order @ 4:03 p.m.

2. Roll Call – Glenda Dean, Brett Gaar, Leslie Gahagan, Don Joffe, Vaughn Millner, Thomas Schmitz, Jesi Ward
   Staff – Ashley Campbell, Rebecca Peacock
   Guests – Michelle Pennington, Lani Cannon

3. Approval of the EAC Meeting Minutes **(2025-03-11 EAC Meeting Minutes)**
   1st motion- Steve Barnett 2nd motion- Phillip Hinesley Vote: ALL

4. New Business -
   Motion to accept Miles Cook's resignation and approve Chuck Harris as his replacement.
   1st motion- Phillip Hinesley 2nd motion- Steve Barnett Vote: ALL
   Motion to submit the MASGC Letter of Support to the County Commission for approval and signature.
   1st motion- Brett Gaar 2nd motion- Steve Barnett Vote: ALL

5. Old Business -
   a. 2025 EAC Award Ceremony April 15th County Commission Meeting
      Time: 10:00am
      Location: Fairhope Satellite Courthouse
   b. MBNEP Request for Recommendations Update

6. Other Business/Announcements/Public Comments –
   1. Big discussion on zoning conditions, and subdivision regulations updates
   2. Request to see the end of the year video next meeting

7. Adjournment - 5:05 p.m.

CREATE A Clean Water FUTURE

Table 5-1 Baldwi unty Phase II MS4

MCM 1-Public Involvement/Public Participation Strategies and Goals

NPDES Permit Section	SWMPP Section	5-Public Involvement/Participation Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bi	*5.2.2.2*	*Committees, Watershed Organizations & Groups*	*During the Master Plan/Comprehensive Plan process, the EAC Review and Update the proposed plan updates*	*ALL*	*P&Z & EAC*

Date	Description
2025/2026	No Updates

Table 5-1 Baldwi unty Phase II MS4

MCM 1-Public Involvement/Public Participation Strategies and Goals

NPDES Permit Section	SWMPP Section	5-Public Involvement/Participation Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bi	*5.2.2.2*	*Committees, Watershed Organizations & Groups*	*Throughout the permit cycle, the EAC Will Review and Update SWMPP and Annual Reports*	*ALL*	*P&Z & EAC*

Date	Meeting	Topic
5/6/2025	Environmental Advisory Committee	2024/2025 MS4 Annual Report & SWMPP Review

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Environmental Advisory Committee

MEETING AGENDA

May 06, 2025, 4:00 PM
Robertsdale Central Annex

1. Call to Order -
2. Roll Call -
3. Approval of the EAC Meeting Minutes **(2025-04-01 EAC Meeting Minutes)**
4. New Business –
   a. MS4 Annual Report Review
   b. End of Year Video
5. Old Business -
   a. AGWA Update - MBNEP Request for Recommendations Update
   b. EAC BC Stewardship Awards
6. Other Business/Announcements/Public Comments –
   a. MRF Tour Date
   b. MBNEP - Source Tracking with Dog Presentation Date
7. Adjournment -

CREATE A Clean Water FUTURE

Table 5-1 Baldw unty Phase II MS4

MCM 1-Public Involvement/Public Participation Strategies and Goals

NPDES Permit Section	SWMPP Section	5-Public Involvement/Participation Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bv	*5.2.2.3*	*Committees, Watershed Organizations & Groups*	*Once per year, the County will host or attend Eastern Shore MS4 meeting*	*ALL*	*P&Z*

ESMS4 Meetings	**Permit Year 2025/2026**		
Date	**Meeting Topic**	**Attendance**	
2/20/2026	Partner Updates	6	See Section 4.4.1

Table 5-1 Baldwi unty Phase II MS4

MCM 1-Public Involvement/Public Participation Strategies and Goals

NPDES Permit Section	SWMPP Section	5-Public Involvement/Participation Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bv	*5.2.2.4*	*Committees, Watershed Organizations & Groups*	*County Staff will promote, participate and track attendance in County Watershed Management Plan Steering Committees*	*ALL*	*P&Z*
2025/2026					
Date	Watershed				
None	None				

Table 5-1 Baldw[illegible]unty Phase II MS4

MCM 1-Public Involvement/Public Participation Strategies and Goals

NPDES Permit Section	SWMPP Section	5-Public Involvement/Participation Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bv	*5.2.2.4*	*Committees, Watershed Organizations & Groups*	*County Staff will promote, participate and track watershed organization events*	*ALL*	*P&Z*

Date	Watershed	Topic
2025/2026		
3/17/2026	Wolf Bay Watershed	Board of Directors Meeting

Wolf Bay Watershed Watch Board of Directors Meeting

March 17, 2026

I. Minutes

II. Financial Report – Bond Maturity

III. Committee Reports
- a. Education – Scholarships
  - i. Stan Mahoney Scholarship – 4 candidates for interviews
  - ii. Homer Singleton Scholarship
- b. Water Quality/Restoration
- c. Membership

IV. Old Business
- a. Annual Meeting – Comments

V. New Business
- a. Fishing Tournament – Date
- b. Grant Support Letter – WB SWMP; Schreiber Trail
- c. Officer Elections

	Current Position
i. President	Leslie Gahagan
ii. Vice-President	Vacant
iii. Recording & Corresponding Secretary	Joanne Cox
iv. Comptroller	Nick Williams
v. Disbursing Officer	Sylvia Womack

VI. Closing/Adjourn

Wolf Bay Watershed Watch Board of Directors Meeting
March 17, 2026

Attendees Tony Schachle, Sylvia Womack, Jackie McGonigle, Nick Williams
Annelise Dodd, Leslie Gahagan, Ashley Campbell, Joanne Cox

I Welcome — We welcome Ashley Campbell, Natural Resource Planner for Baldwin County Commission. Her responsibilities include planning, developing and management of policies regarding conservation, storm water, air and water quality.

II Minutes — Nick motioned to accept the January minutes, seconded by Annelise.

III Financial Report — Nick itemized our account: Regions Bank $ 24,320.52
Schwab Acct $130,584.78
We have a bond maturing and Nick states that we will need to decide how to reinvest the funds. Sylvia will research an ETF, keeping our goals in mind. Sylvia had no disbursements this past month, and we added $660 in new memberships and annual dues.

IV Committee Reports

a. Education Four candidates were sent to interview the third week of April. We will be awarding 1 Homer Singleton Scholarship to an upperclassman, and up to three recipients for the Stan Mahoney scholarship. Leslie will be recording email addresses as it has been reported that up to 75% of college students change their major.

b. Water quality and Restoration Jackie will be training 13-14 monitors on Friday March 20. Our chemical inventory is fully stocked. We have had issues with our R cards. We will add a new monitoring site on Sandy Creek at Fern Ave. Restoration in the woods behind OWA is progressing. Wolf Creek stabilization looks good. Beulah Heights is getting a detention pond.

V Old Business — Annual Meeting was well attended and Leslie received positive feedback. Jackie and Nick did an exemplary job.

VI New Business

a. Fishing Tournament We need to get a November date on the calendar.

b. Nick motioned to support a grant for a new walking trail in Foley via composing a letter. Annelise seconded his motion and all agreed. The trail will connect the Rose Trail to North Pecan Street where Wolf Creek has undergone restoration, and named in honor of Councilman Robert Schreiber.

c. Officer Elections Leslie Gahagan President, Joanne Cox Secretary, Nick Williams Comptroller, Sylvia Womack Disbursing Officer retain positions by a motion from Tony, seconded by Jackie. All approve.
Nick nominated Jackie for Vice President seconded by Sylvia,all were in favor.

d. Leslie discussed our need to digitize our paperwork by 2028.

VII Adjournment — Annelise motioned to adjourn.

Table 5-1 Baldwin County Phase II MS4
MCM 1-Public Involvement/Public Participation Strategies and Goals

NPDES Permit Section	SWMPP Section	5-Public Involvement/Participation Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bv	*5.2.2.5*	*Committees, Watershed Organizations & Groups*	*Alabama Water Watch Monitoring (AWW) Partner with the MBNEP to provide 2 AWW trainings per permit cycle.*	*ALL*	*P&Z*

2025/2026	Date	Workshop Title	Location
1	3/20/2026	AWW Monitor Training	Foley
2	10/27/2025	AWW Monitor Training	Lillian
3	9/27/2025	AWW Monitor Training	Magnolia Springs
4	6/27/2025	AWW Monitor Training	Foley

WATER CHEMISTRY & BACTERIOLOGICAL MONITORING TRAINING

FOLEY, AL

1 REGISTER ONLINE BY MARCH 3

2 COMPLETE ONLINE COURSES FOR MONITORING TYPE(S) OF INTEREST
courses open to registrants March 3

3 PARTICIPATE IN FIELD DAY ON MARCH 20 DEMONSTRATE MONITORING METHODS

BECOME A VOLUNTEER WATER MONITOR!



LEARN MORE ABOUT EACH MONITORING TYPE:

BACTERIOLOGICAL Monitoring

WATER CHEMISTRY Monitoring

Sponsored by:

ALABAMA WATER WATCH
ALABAMA EXTENSION

Foley

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

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Mobile Bay National Estuary Program

AWW Lesson

Western Perdido Bay Watershed Association Meeting Sign In Sheet
Monday, October 27, 2025

Name	Email	Phone
Johnie & Pat Nix	pjnix1972@gmail.com	205-522-6255
Anne Riddles	riddles407@gmail.com	
CLARISE JAHNS	CJAHNS@MAIL.COM	
Mary Speck	mespec@hotmail.com	(304) 671-3517
Robyn Monaghan	yesyesgoaddog@gmail.com	251.284.3977
Robin Hammond	sort3sort@yahoo.com	
Tammy Robinson		907-202-0821
Laurie Ciarglia	mefaux@hotmail.com	702 768-4811
JIMMY STREET	JIMMYJOESTREET@yahoo.com	409-658-5816
Carol Barrett	3137 Pinewood Cir Lillian cosohouse@yahoo.com	661-301-7703
Doris Ford	2245 Clubhouse Dr	Southern Style@gmail.com
[illegible]	Buggie Bilot@Gmail	
Jane Bergland	janebergland@gmail.com	
David Bergland		
Juli Stroma	Anthony Stromei4@gmail.com	

Western Perdido Bay Watershed Association Meeting Sign In Sheet
Monday, October 27, 2025

Name	Email	Phone
Wayne Smith	Wayne Smith 1948 @ outlook	719/649--8856
Trish McHatton	trissgrass401@Gmail.com	251/284/3253
Joanne Graf	3117 Pinewood Circle Lillian 36549	410-707-7043
Ashley Campbell	ashley.campbell@baldwin countyal.gov	251 423-3632
DJ Wigley	djwig@lowyer.com	706 833 7130
Becky Schuck	BeckySchuck23@GMAIL.COM	239 410-2346
Michael Cleveland	MCLEVER98@Yahoo	256-426-4916
James Perry	JPERRYMCS2@AOL.com	313-999-0863
Terry + Melissa Hanes	hanesmandt2@outlook.com	
Price L. Legg	LeggPLL@GMAIL.Com	251-979-9218
Ronald Ravan	RAVANDESIGNS@Yahoo.Com	
Laura Tonner	lauratonner12@gmail.com	303 668 3309
Peggy Summerville	PAS9292@yahoo.com	251-229-3430
Pollie J Core	2867 Avenida Alberto Lillian	850-508-4791
Tom + Karen Rocque	34252 White Osprey Dr	251 962 3377

extension
ALABAMA A&M & AUBURN UNIVERSITIES

Alabama Water Watch



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4-H Alabama Water Watch Program

An opportunity for youth to learn about watershed stewardship and water quality monitoring through science-based, hands-on experiences in the classroom and at the creek, river, lake, or bay.

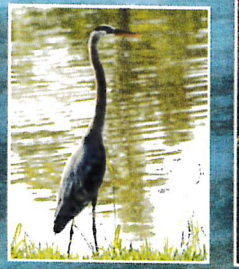
- **bacteriological monitoring**
- **water chemistry monitoring**
- **stream biomonitoring**

Youth gain confidence and have fun with science, master a new skill, make a difference in their communities, gain awareness of natural resource issues, and enjoy time outside.

















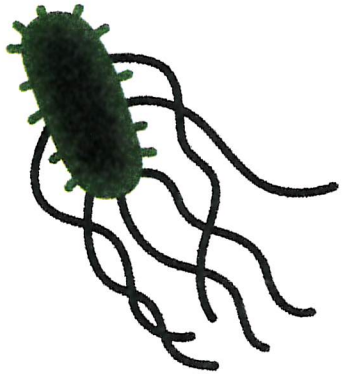


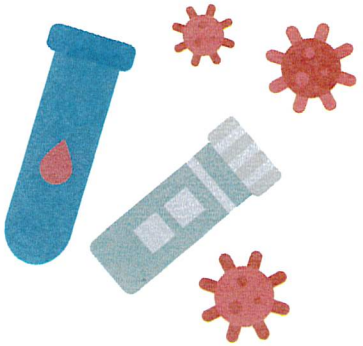


Educators and community volunteers can receive training through 4-H AWW that will provide them with the tools needed to teach water m[illegible]toring.



Magnolia River Community Education Day!





Saturday, September 27, 2025, 9:00 a.m.

Mobile Bay National Estuary Program

CREATE A Clean Water FUTURE

MAGNOLIA SPRINGS ALABAMA

ALABAMA WATER WATCH

ALABAMA EXTENSION

Mobile Bay National Estuary Program
SIGN IN SHEET
Magnolia River Community Education Day
Saturday, September 27th, 2025 9:00 AM - 12:00 PM

NAME	ORGANIZATION	E-MAIL ADDRESS	PHONE #
Regan Smart	MBNEP	rsmart@mobilebaynep.com	251-380-7958
Lyman Ramsay	Auburn University	ltramsay42@gmail.com	251-680-1129
Johanna Gertsch	Weeks Bay NERR	johanna.gertsch@dcnr.alabama.gov	251-490-8968
Chris Hills	City of Foley	chills@cityoffoley.org	251-759-4990
Robert Splan	Bewildered Fisherman	robertsplan@ymail.com	251 424 5251
Nick Williams	City of Foley/WBWW	nwilliams@cityoffoley.org	251-979-5690
Kale Cameron	AWA	kalecameron@att.net	251-546-4950
Sue Dwyer	AWW	suedwyer77@hotmail.com	251-269-1959
(X) Bill Holt & Tammy Holt	Community	raffy raffles@yahoo.com	440-479-5611
Hank & Claudia Mullins	Community MSpr.	cmfairhope@bellsouth.net	251-591-3128
Kelsey Koberg	Community Mag. Springs	kelsey.jaco@gmail.com	251.233.8448
Bill McFadden	"	Peczobandfarm@icloud.com	318 426 2255
Hannah Driskell	Town of M.S.	clerk@magnoliaspringsal.gov	251-965-9888
Priscilla Hayes	"	assistantclerk@magnoliaspringsal.gov	"
Maritza Weeks	Town of M.S.	mweeks@magnoliaspringsal.gov	(251)923-8117
Bob Turner	Town of M.S.	bigbobtle@gmail.com	
Ashley Campbell	Baldwin County	ashley.campbell@baldwincountyal.gov	251 423-3632
Ross Houser	Town of M.S.	mayor@magnoliaspringsal.gov	251-965-9888
Lisa Mason-Sanders	AWW	sandeli15936@gmail.com	
Tammy Maddox	AWW	tammy.mattox@gmail.com	

Mobile Bay Natio[illegible] Estuary Program
SIGN IN SHEET
Magnolia River Community Education Day
Saturday, September 27th, 2025 9:00 AM - 12:00 PM

NAME	ORGANIZATION	E-MAIL ADDRESS	PHONE #
Regan Smart	MBNEP	rsmart@mobilebaynep.com	251-380-7958
Lyman Ramsay	Auburn University	ltramsay42@gmail.com	251-680-1129
Johanna Gertsch	Weeks Bay NERR	johanna.gertsch@dcnr.alabama.gov	251-490-8968
Chris Hills	City of Foley	chills@cityoffoley.org	251-759-4990
Robert Splan	Bewildered Fisherman	robertsplan@ymail.com	251 424 5251
Nick Williams	City of Foley/WBWW	nwilliams@cityoffoley.org	251-979-5690
Kale Cameron	AWA	kalecameron@att.net	251-546-4950
Sue Dwyer	AWW	suedwyer77@hotmail.com	251-269-1959
(X) Bill Holt & Tammy Holt	Community	raffy raffles@yahoo.com	440-479-5611
Hank & Claudia Mullins	Community MSpr.	cmfairhope@bellsouth.net	251-591-3128
Kelsey Koberg	Community Mag. Springs	kelsey.jaco@gmail.com	251.233.8448
Bill McFadden	"	[illegible]@icloud.com	318 426 2255
Hannah Driskell	Town of M.S.	clerk@magnoliaspringsal.gov	251-965-9888
Priscilla Hayes	"	assistantclerk@magnoliaspringsal.gov	"
Maritza Weeker	Town of M.S.	mweeker@magnoliaspringsal.gov	(251)923-8117
Bob Turner	Town of M.S.	bigbobtl6@gmail.com	
Ashley Campbell	Baldwin County	ashley.campbell@baldwincountyal.gov	251 423-3632
Ross Houser	Town of M.S.	mayor@magnoliaspringsal.gov	251-965-9888
Lisa Mason-Sanders	AWW	sandeli15936@gmail.com	
Tammy Maddox	AWW	tammy.mattox@gmail.com	

ALABAMA WATER WATCH
WATER CHEMISTRY & BACTERIOLOGICAL MONITORING
CERTIFICATION TRAINING

BECOME A VOLUNTEER WATER MONITOR!

1 REGISTER ONLINE BY JUNE 12

2 COMPLETE ONLINE COURSES FOR MONITORING TYPE(S) OF INTEREST

3 PARTICIPATE IN FIELD DAY DEMONSTRATE METHODS FOR MONITORING TYPE(S) OF INTEREST

FIELD DAY JUNE 27, 2025

FOLEY, AL





WATER CHEMISTRY MONITORING

Learn to test the temperature, pH, dissolved oxygen, total hardness & alkalinity, and turbidity of water to identify pollution sources and long-term trends in water quality.

BACTERIOLOGICAL MONITORING

Learn to detect levels of E.coli and other coliform bacteria in water as indicators of fecal contamination.

CONTACT US
AWWPROG@AUBURN.EDU
334-844-4785

LEARN MORE:

water chemistry monitoring

bacteriological monitoring

Sponsored by:

ALABAMA WATER WATCH
ALABAMA EXTENSION

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

Alabama Water Watch Water Chemistry and Bacteriological Monitoring Training - Lillian, AL														
6/27/2025									WSID - Chem	2959				
Trainer: Angie Eckman									WSID - Bac	2960				
First Name	Last Name	Email	Phone Number	Mailing Address	City	State	County	Zip Code	Liability	Media	Canvas			
Robert	Weise	rgweise@gmail.com	251-747-9016	1687 Santa Cruz Drive	Lillian	AL	Baldwin	36549	Yes	Yes	Complete			
James	Beasley	jbeashhs@gmail.com	205-468-0695	3104 Pinewood Cir	Lillian	AL	Baldwin	36549	Yes	Yes	Complete			
Scott	Shue	Sshue25@gmail.com	717-873-1958	3260 Vista Del Mar Dr	Lillian	AL	Alabama	36549	Yes	Yes	Complete			
Bobby	Beck	chair@spanishcove.org	706-831-1548	1751 Spanish Cove Drive South	Lillian	AL	Baldwin	36549	Yes	Yes	Incomplete	Follow up for bac quiz		
Randy	Hill	Rules@spanishcove.org	920-221-5093	3107 Pine Wood Circle	Lillian	AL	Baldwin	36549	Yes	Yes	Complete			
Curtis	Randow	currandow@gmail.com	410-776-4175	1744 Spanish Cove Drive S	Lillian	AL	Baldwin	36549	Yes	Yes	Complete			
Peter	Greika	Buggiepilot@gmail.com	860-803-9195	22735 Manuel Dr	Lillian	AL	Baldwin	36549	Yes	Yes	Incomplete	Follow up		
Elizabeth	Sullivan	solvebella@cloud.com	251-424-4051		Lillian	AL	Baldwin	36549	Yes	Yes	Incomplete	Follow up		
Entered SRZ 2025-7-7														

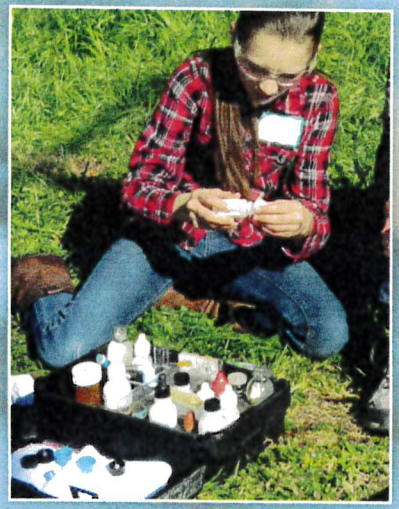
www.alabamawaterwatch.org

4-H Alabama Water Watch Program

An opportunity for youth to learn about watershed stewardship and water quality monitoring through science-based, hands-on experiences in the classroom and at the creek, river, lake, or bay.

- **bacteriological monitoring**
- **water chemistry monitoring**
- **stream biomonitoring**

Youth gain confidence and have fun with science, master a new skill, make a difference in their communities, gain awareness of natural resource issues, and enjoy time outside.























Educators and community volunteers can receive training through 4-H AWW that will provide them with the tools needed to teach water monitoring.

Table 5-1 Baldw[illegible]unty Phase II MS4

MCM 1-Public Involvement/Public Participation Strategies and Goals

NPDES Permit Section	SWMPP Section	5-Public Involvement/Participation Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bv	*5.2.3*	*Commissions, Board of Adjustment & Other Public Involvement Opportunities*	*Through out the permit cycle, The County will track all Master Plan public meetings.*	*ALL*	*P&Z*
		Date	**Meeting**		
		2025/2026	NA		

Table 5-1 Baldwin County Phase II MS4
MCM 1-Public Involvement/Public Participation Strategies and Goals

NPDES Permit Section	SWMPP Section	5-Public Involvement/Participation Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1bv	*5.2.3.2*	*Commissions, Board of Adjustment & Other Public Involvement Opportunities*	*Through out the permit cycle, track Commission, BOA & other Public Involvement Meetings*	*ALL*	*P&Z*

2025/2026	**Board/Commission**	Web Link
	Board of Adjustment 1	https://www.baldwincountyal.gov/departments/planning-zoning/board-of-adjustment/boa-1
	Board of Adjustment 2	https://www.baldwincountyal.gov/departments/planning-zoning/board-of-adjustment/boa-2
	Planning Commission	https://www.baldwincountyal.gov/departments/planning-zoning/planning-commission
	County Commission	https://baldwincountyal.legistar.com/Calendar.aspx

BALDWIN COUNTY PLANNING AND ZONING
BOARD OF ADJUSTMENT NUMBER 1

2026
MEETING DATES
&
APPLICATION DEADLINE DATES

Meeting time: 4:00 p.m.
Meeting location: Baldwin County Central Annex Auditorium

All applications to be considered by the Baldwin County Planning and Zoning Board of Adjustment Number 1 shall be submitted no later than 12:00 p.m. on the deadline date listed below. *There will be no exceptions*.

MEETING DATE		APPLICATION DEADLINE DATE
January 20, 2026		December 23, 2025
February 24, 2026		January 30, 2026
March 17, 2026		February 24, 2026
April 21, 2026		March 30, 2026
May 19, 2026		April 28, 2026
June 16, 2026		May 26, 2026
July 21, 2026		June 29, 2026
August 18, 2026		July 28, 2026
September 15, 2026		August 24, 2026
October 20, 2026		September 29, 2026
November 17, 2026		October 26, 2026
December 15, 2026		November 20, 2026

Dates may differ from original meeting dates and/or application deadline dates due to holidays and may be subject to change upon request by the Chairman of the Board.
U:\Zoning\Board of Adjustment Number 1 Deadline and Meeting Calendar 2026

BALDWIN COUNTY PLANNING AND ZONING
BOARD OF ADJUSTMENT NUMBER 2

2026
MEETING DATES
&
APPLICATION DEADLINE DATES

Meeting time: 3:00 p.m.
Meeting location: Foley Satellite Courthouse Large Meeting Room

All applications to be considered by the Baldwin County Board of Adjustment #2 Planning and Zoning Board of Adjustment shall be submitted no later than 12:00 p.m. on the deadline date listed below. *There will be no exceptions*.

MEETING DATE		APPLICATION DEADLINE DATE (@ NOON!)
January 15, 2026		December 19, 2025
February 12, 2026		January 22, 2026
March 12, 2026		February 19, 2026
April 9, 2026		March 18, 2026
May 14, 2026		April 23, 2026
June 11, 2026		May 21, 2026
July 16, 2026		June 24, 2026
August 13, 2026		July 23, 2026
September 10, 2026		August 19, 2026
October 8, 2026		September 17, 2026
November 12, 2026		October 21, 2026
December 10, 2026		November 17, 2026

Date Moved due to a Holiday & avoid Planning Commission meeting date

Dates may differ from original meeting dates and/or application deadline dates due to holidays and may be subject to change upon request by the Chairman of the Board.

2025-2026 PLANNING COMMISSION
MEETING SCHEDULE & APPLICATION DEADLINES

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

MEETING LOCATION: Baldwin County Central Annex
22251 Palmer St.
Robertsdale, Al. 36567

MEETING TIME: 4:00 p.m.

MEETING DATE	COMMISSION SITE PLAN (CSP) & SUBDIVISION APPLICATION DEADLINE DATE 12:00 NOON	SUBDIVISION SKETCH PLAN MEETING (REQUIRED) *Robertsdale Office*	SUBDIVISION SKETCH PLAN APPLICATION DEADLINE 12:00 NOON
December 4, 2025	October 20, 2025	October 14, 2025	September 23, 2025
January 8, 2026**	November 17, 2025	November 12, 2025	October 28, 2025
February 5, 2026	December 15, 2025**	December 9, 2025	November 20, 2025**
March 5, 2026	January 20, 2026**	January 13, 2026	December 18, 2025**
April 2, 2026	February 18, 2026**	February 10, 2026	January 27, 2026
May 7, 2026	March 23, 2026	March 10, 2026	February 24, 2026
June 4, 2026	April 20, 2026	April 14, 2026	March 24, 2026
July 9, 2026**	May 18, 2026	May 12, 2026	April 21, 2026
August 6, 2026	June 22, 2026	June 9, 2026	May 26, 2026
September 3, 2026	July 20, 2026	July 14, 2026	June 23, 2026
October 1, 2026	August 17, 2026	August 11, 2026	July 28, 2026
November 5, 2026	September 21, 2026	September 8, 2026	August 25, 2026
December 3, 2026	October 19, 2026	October 13, 2026	September 22, 2026
January 7, 2027	November 16, 2026**	November 10, 2026	October 27, 2026

Please Note: The Application Deadline Submittal time is 12:00 pm (noon)

** DATE MOVED DUE TO A HOLIDAY**

APPROVED THE 6 DAY OF November, 2025

SIGNATURE OF CHAIRMAN Steven Pumphrey

2026 MEETING SCHEDULE & DEADLINES
for REZONING & PRD APPLICATIONS

BALDWIN COUNTY, ALABAMA
Planning and Zoning Department

MEETING LOCATION: Fairhope Satellite Courthouse
County Commission Meeting Chambers
2nd Floor, 1100 Fairhope Ave.
Fairhope, AL 36532

MEETING TIME: 10:00 a.m.

BALDWIN COUNTY COMMISSION MEETING DATE	REZONING & PRD APPLICATION DEADLINE DATE 12:00 NOON
January 20, 2026	December 1, 2025
February 19, 2026**	December 29, 2025
March 17, 2026	February 2, 2026
April 21, 2026	March 2, 2026
May 19, 2026	April 6, 2026
June 16, 2026	May 4, 2026
July 21, 2026	June 1, 2026
August 18, 2026	July 6, 2026
September 15, 2026	August 3, 2026
October 20, 2026	August 31, 2026
November 17, 2026	October 5, 2026
TBA	November 2, 2026
TBA	November 30, 2026

Please Note: The Application Deadline Submittal time is 12:00 pm (noon) ** DATE MOVED DUE TO A HOLIDAY**

Table 5-1 Baldwin County Phase II MS4
MCM 1-Public Involvement/Public Participation Strategies and Goals

NPDES Permit Section	SWMPP Section	5-Public Involvement/Participation Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-B1d	*5.4*	*Program Evaluation*	*Throughout the permit cycle, evaluate the Public Involvement and Participation. Minimum Control Measure strategies and goals achieved and submit an annual report*	*ALL*	*P&Z*
2025/2026			**Program Evaluation**		
			The Public Involvement/Participation Minimum Control		
			Measure strategies and goals have been tracked in the		
			Annual Report's Spreadsheets. Proposed uppdates will		
			be detailed in the MCM Evaluation Summary.		

2021-2026 Table 6-2 Baldwin County Phase II MS4
MCM 2 IDDE Strategies and Goals

NPDES Permit Section	SWMPP Section	6-Illicit Discharge Detection and Elimination Strategy	Goal	Pollution Targeted	Responsible Departments	2021/2022 Proposed	2021/2022 Achieved	2022/2023 Proposed	2022/2023 Achieved	2023/2024 Proposed	2023/2024 Achieved	2024/2025 Proposed	2024/2025 Achieved	2025/2026 Proposed	2025/2026 Achieved
Part III-2ai	6.4	Data Management	Throughout the permit cycle, the County will continue to improve and update its stormwater infrastructure inventory and inspection process	All	Hwy & P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
Part III-2aiii	6.7	Outfalls Screened	The County will screen 15% a year of major outfalls with 100% being screened during permit cycle	All	Hwy & P&Z	***	***	✓	✓🗀 15%	✓	✓🗀 100 %	©	©	©	©
Part III-2aiii	6.8.4	Evaluation of Results	Evaluate field assessments and inspections to establish priority areas and major outfalls for more focused inspections	All	Hwy & P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
Part III-2a	6.10	Spill Response	Throughout the permit cycle, the County's EMA is responsible for tracking reported spills and potential Illicit discharges. Data will be submit in annual report	All	EMA, Hwy & P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓	✓	✓🗀
Part III-2avii	6.11	Website Citizen Complaint Reporting	Throughout the permit cycle, the environmental complaint form on the County website will be maintained and updated as needed	All	Hwy & P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓	✓	✓
Part III-2aii	6.13	Enforcement	In year one (1), the County's will have legal review its authority in zoned areas to determine if an IDDE ordinance can be implemented	All	Hwy & P&Z	***	***	✓	🗀	©	©	©	©	©	©
Part III-2aviii	6.14	Staff Training	Provide IDDE training to new employees with program responsibilities including but not limited to *Understanding Your Stormwater Management Plan*	All	Hwy & P&Z	***	***	✓	🗀	*	*	✓	✓	✓	✓🗀
Part III-2aviii	6.14	Staff Training	Provide additional stormwater training as needed during permit cycle to employees with program responsibilities	All	Hwy & P&Z	***	***	*	*	*	*	✓	✓	✓	✓🗀
Part III-2aiv	6.15	Standard Operating Guidance (SOG)	Throughout the permit cycle, the County will review and update its Standard Operating Guidance documents	All	P&Z	***	***	✓	🗀	*	*	✓	✓	*	*
Part III-2b	6.17	Program Evaluation	Throughout the permit cycle, review the IDDE minimum control measure strategies and goals achieved , prepare an annual report and update the SWMPP	All	P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
					Totals	***	***	9	9	6	6	8	8	**7**	**7**

P&Z	Planning & Zoning
©	Completed for Permit Cycle
*	Not Proposed for Permit Year
**	Completed Prior to Proposed Year
***	Spreadsheet Not Used for 2021/2022 Reporting Period
X	Not Completed-Goal Not Met
🗀	Attachment Included in Report

Table 6-1 Baldwin County Phase II MS4
MCM 2 IDDE Strategies and Goals

NPDES Permit Section	SWMPP Section	6-Illicit Discharge and Elimination Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-2ai	*6.4*	*Data Management*	*Throughout the permit cycle, the County will continue to improve and update its stormwater infrastructure inventory and inspection process*	*All*	*Hwy & P&Z*
2025-2026					

Storm Water Pipe Inventory

Pipe Shape	Pipe Size (in)	Number (ea)	Length (ft)	Pipe Size (in)	Number (ea)	Length (ft)
Arch	18 X 11	1	64	58 X 36	2	276
	29 X 18	3	85	73 X 45	1	26
	36 X 23	5	386	88 X 54	1	238
	51 X 31	2	402	N/A	1	26
Circular	12	2	926	30	70	10,034
	15	4	427	36	84	10,896
	18	284	27,720	42	17	2,254
	21	138	14,240	48	9	1,472
	24	148	20,852	54	2	361
	27	41	7,120	60	3	416
Elliptical	14 X 23	13	752	32 X 49	4	138
	19 X 30	7	687	34 X 53	3	626
Elliptical	22 X 34	5	494	38 X 60	1	123
	24 X 38	6	692	43 X 68	2	216
	29 X 45	2	138			

Table 6-1 Baldwin County Phase II MS4
MCM 2 IDDE Strategies and Goals

Storm Water Inlet Inventory

Inlet Type	Number (ea)	Inlet Type	Number (ea)
Grate Inlet	16	Double Wing	331
Junction Box	98	Yard	67
Singe Wing	257	Slotted Drain	7
Curbed Inlet	5		

MS4 Area Cross Drain Pipe

Pipe Shape	Pipe Size (in)	Number (ea)	Length (ft)	Pipe Size (in)	Number (ea)	Length (ft)
Arched	18 X 11	5	157	51 X 31	6	263
	22 X 13	1	16	58 X 36	3	72
	29 X 18	31	1,110	65 X 40	2	30
	36 X 23	23	898	73 X 45	2	78
	44 X 27	11	289			
Circular	12	3	115	36	3	60
	15	7	242	42	4	200
	18	67	2,966	48	5	267
	21	11	356	54	1	27
	24	49	1,635	60	3	75
	27	13	335	84	1	23
	30	15	383	96	1	43
Elliptical	14 X 23	18	681	27 X 42	1	82
	19 X 30	1	19	38 X 60	1	27
	24 X 38	2	95	43 X 68	1	12

Table 6-1 Baldwin County Phase II MS4
MCM 2 IDDE Strategies and Goals

NPDES Permit Section	SWMPP Section	6-Illicit Discharge and Elimination Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-2ai	*6.7*	*Outfalls Screened*	*The County will screen 15% a year of major outfalls with 100% being screened during permit cycle*	*All*	*Hwy & P&Z*
2026/2026		**OUTFALL INVENTORY**			
DISCHARGE TYPE	**DISCHARGE ID**	**LOCATION**	**BASIN**	**LATITUDE**	**LONGITUDE**
PIPE	1	THREE MILE CREEK RD TURNS NORTH BEFORE I-10	MOBILE/FISH RIVER	30D 39M 9.164S	87D 47M 30.833S
BOX CULVERT	2	CR 64 - CORN BR. EAST OF HALL RD	MOBILE/CORN BRANCH	30D 47M 5.895S	87D 47M7.875S
PIPE	3	GREENO LN JUST EAST OF INGLESIDE AVE	MOBILE/COWPEN CREEK	30D 30M 39.672	87D 53M 24.951S
OPEN DITCH	4	WASP LN-WHERE IT DUMPS INTO POND	MOBILE/POINT CLEAR CREEK	30D 28M 26.261S	87D 54M 38.997S
PIPE	5	BOOTHE RD-BETWEEN LAKE VIEW & NORMAN LN	MOBILE/COWPEN CREEK	30D 30M 16.002S	87D 52M 39.695S
BOX CULVERT	6	Jimmy Faulkner Rd-North of Plaza De Toros Drive	MOBILE/SIBLEY CREEK	30D 41M 6.693S	87D 51M 5.611S
BRIDGE	7	SCENIC 98-ROCK CRK. SOUTH OF ECOR ROUGE LN	MOBILE/ROCK CREEK	30D 33M 27.932S	87D 53M 58.874S
BRIDGE	8	TURKEY BRANCH-TURKEY BRANCH DR	MOBILE/TURKEY BRANCH	30D 38M 33.83S	87D 50M 3.536S
BOX CULVERT	9	SCENIC 98-RED GULLY SOUTH OF N WINDING BROOK DR	MOBILE/RED GULLEY	30D 34M 42.480S	87D 54M 17.512S
BRIDGE	10	SCENIC 98-FLY CRK. SOUTH OF SEA CLIFF DR	MOBILE/FLY CREEK	30D 33M 4.416	87D 53M 55.041S
BOX CULVERT	11	CR 44-COWPEN CRK. WEST OF FAIRFIELD DR	MOBILE/COWPEN CREEK	30D 30M 6.374S	87D 52M 19.352S
BOX CULVERT	12	BR. OFF POINT CLEAR CR. WILLOWBRIDGE DR	MOBILE/POINT CLEAR CREEK	30D 28M 58.419S	87D 54M 29.019S

Table 6-1 Baldwin County Phase II MS4
MCM 2 IDDE Strategies and Goals

DISCHARGE TYPE	DISCHARGE ID	LOCATION	BASIN	LATITUDE	LONGITUDE
BRIDGE	13	CR 3 BAILEY CRK SOUTH OF COUNTY RD 32	MOBILE/BAILEY CREEK	30D 28M 14.797S	87D 54M 11.017S
BRIDGE	14	SCENIC 98-POINT CLEAR CRK. NORTH OF LAKEWOOD DR	MOBILE/POINT CLEAR CREEK	30D 29M 8.725S	87D 55M 56.413S
PIPE	15	COUNTY RD 66 EAST OF BOAZ RD E	MOBILE/CORN BRANCH	30D 37M 32.626S	87D 46M 56.187S
PIPE	16	COUNTY RD 66 EAST OF BOAZ RD E EAST OF DISCHARGE 15	MOBILE/CORN BRANCH	30D 37M 32.698S	87D 46M 48.239S
BOX CULVERT	17	BOARDWALK DR	MOBILE/MUDDY BRANCH	30D 42M 55.314S	87D 53M 40.18S
PIPE	18	MCFARLAND RD EAST OF JESSIE RD	MOBILE/BAY BRANCH	30D 40M 45.989S	87D 49M 20.674S
PIPE	19	JIMMY FAULKNER RD- SOUTH OF PLAZA DE TOROS DR	MOBILE/SIBLEY CREEK	30D 41M0.769S	87D 51M 9.728S
PIPE	20	MOSELEY RD EAST OF COUNTY RD 13	MOBILE/FLY CREEK	30D 32M 17.546S	87D 51M 47.752S
PIPE	21	COUNTY RD 48 WEST OF BLUEBERRY LN	MOBILE/FISH RIVER	30D 31M 25.095S	87D 50M 42.566S
BOX CULVERT	22	SCENIC HWY 98 SOUTH OF NELSON DR	MOBILE/TITI SWAMP	30D 30M 14.532S	87D 55M 18.894S
		REMOVED-Spanish Fort Annexed			
		Inspected 2023/2024 - 16 Outfalls			
		INSPECTED 2022/2023 - 5 Outfalls			
		100% Completed 2021/2026			

Table 6-1 Baldwin County Phase II MS4
MCM 2 IDDE Strategies and Goals

NPDES Permit Section	SWMPP Section	6-Illicit Discharge and Elimination Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-2ai	*6.8.4*	*Evaluation of Results*	*Evaluate field assessments and inspections to establish priority area and major outfalls for more focused inspections*	*All*	*Hwy & P&Z*
2025-2026			**Inspections Completed in Previous Year-No Illicit Discharge**		

Table 6-1 Baldwin County Phase II MS4
MCM 2 IDDE Strategies and Goals

NPDES Permit Section	SWMPP Section	6-Illicit Discharge and Elimination Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-2ai	*6.10*	*Spill Response*	*Throughout the permit cycle, the County's EMA is responsible for tracking reported spill and potential Illicit discharges. Data will be summited in an annual report.*	*All*	*EMA, Hwy & P&Z*
2025-2026		**No Hwy Reported Spills**			
Qty	**Date**	**Location**	**Response Agency**	**IDDE Description**	**Resolved**

Table 6-1 Baldwin County Phase II MS4
MCM 2 IDDE Strategies and Goals

NPDES Permit Section	SWMPP Section	6-Illicit Discharge and Elimination Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-2ai	*6.10*	*Spill Response*	*Throughout the permit cycle, the County's EMA is responsible for tracking reported spill and potential Illicit discharges. Data will be summited in an annual report.*	*All*	*EMA, Hwy & P&Z*

2025-2026					
DATE	***Qty***	***Location***	***Response Agency***	***IDDE Description***	***Resolved***
1/26/2026	*30 Gal*	848 Sea Cliff Drive, Fairhope, AL 36532	USCG	Motor Oil	Yes
1/16/2026	*0 (Unknown Amount)*	16095 Black Devine Rd, Loxley, AL 36551	State Fire Marshal	Ethylene Glycol, Motor Oil, Gasoline	Unknown
7/24/2025	*85*	US Hwy 98 Daphne-Example	Clean Harbors	Manor, Talstar, Induce	Yes
7/07/2025	*40 Gal & 60 Gal*	INTERSECTION OF SPANISH FORT BLVD & US-90 W, Spanish Fort, AL 36527	*Spanish Fort Fire Dept.*	Diesel Exhaust Fluid/ Hydraulic Fluid	Yes

James Howard

From: HQS-SMB-NRC@uscg.mil
Sent: Saturday, January 31, 2026 8:59 AM
To: D08-DG-SECMobile-Incident-Management-Division; Sector Mobile CC; D08-DG-SECMobile-Intelligence
Subject: NRC#1453808

NATIONAL RESPONSE CENTER 1-800-424-8802
GOVERNMENT USE ONLYGOVERNMENT USE ONLY***
Information released to a third party shall comply with any
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1453808

INCIDENT DESCRIPTION

*Report taken by NRC on 31-JAN-26 at 09:48 ET.
Incident Type: STORAGE TANK
Incident Cause: OPERATOR ERROR
Affected Area: MOBILE BAY
Incident was discovered on 31-JAN-26 at 08:00 local incident time.
Affected Medium: WATER / MOBILE BAY

REPORTING PARTY

Name:
Organization:
Address:

Email Address:

PRIMARY Phone:
Type of Organization:

SUSPECTED RESPONSIBLE PARTY

Name: UNKNOWN
Organization:
Address:

Type of Organization: PRIVATE ENTERPRISE

INCIDENT LOCATION

FAIRHOPE DOCKS MARINA County: BALDWIN
848 SEA CLIFF DRIVE
City: FAIRHOPE State: AL Zip: 36532

RELEASED MATERIAL(S)

CHRIS Code: OMT Official Material Name: OIL, MISC: MOTOR

Also Known As:
Qty Released: 30 GALLON(S) Qty in Water: 30 GALLON(S)

DESCRIPTION OF INCIDENT

CALLER REPORTED A DISCHARGE OF ROUGHLY 30 GALLONS OF ENGINE OIL FROM A STORAGE TANK SITTING ON THE BANK DUE TO OPERATOR ERROR. CALLER REPORTED A SHEEN 400 YARDS BY 20 YARDS, BLACK AT THE CENTER AND RAINBOW AROUND THE EDGES.

SENSITIVE INFORMATION

INCIDENT DETAILS

Description of Tank:
Tank Above/Below Ground: ABOVE
Transportable Container: UNKNOWN
Tank Regulated: UNKNOWN
Tank Regulated By:
Tank ID:
Capacity of Tank: 300 GALLON(S)
Actual Amount: 250 GALLON(S)
---SHEEN INFORMATION---
Sheen Color: DARK BLACK
Sheen Odor Description:
Sheen Travel Direction:
Sheen Size Length: 400 YARDS
Sheen Size Width: 20 YARDS
---WATER INFORMATION---
Body of Water: MOBILE BAY
Tributary of:
Nearest River Mile Marker:
Water Supply Contaminated: UNKNOWN

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Sent to Hospital: Empl/Crew: Passenger:
FATALITIES: NO Empl/Crew: Passenger: Occupant:
EVACUATIONS:NO Who Evacuated: Radius/Area:

Damages: NO

Closure Type	Description of Closure	Hours Closed	Direction of Closure

Air: NO

Road: NO Major Artery:NO

Waterway:NO

Track: NO

Passengers Transferred: NO
Environmental Impact: UNKNOWN
Media Interest: UNKNOWN

REMEDIAL ACTIONS

USCG ON SCENE, SRP DEPLOYED ABSORBENT PADS, RELEASE WAS SECURED
Release Secured: YES
Release Rate:
Estimated Release Duration:

WEATHER

ADDITIONAL AGENCIES NOTIFIED

Federal: USCG
State/Local:
State/Local On Scene:
State Agency Number:

NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)
31-JAN-26 09:58 (334)3944382
ALABAMA DEPT OF ENV MGMT (MOBILE FIELD OFFICE)
31-JAN-26 09:58 (334)3944382
ALABAMA LAW ENFORCEMENT AGENCY (ALABAMA FUSION CENTER)
31-JAN-26 09:58
CENTERS FOR DISEASE CONTROL (GRASP)
31-JAN-26 09:58 (770)4887100
CG AVIATION TRAINING CENTER (MOBILE)
31-JAN-26 09:58 (251)4416864
USCG-GC IMT (PRIMARY)
31-JAN-26 09:58 (609)3518503
DEPT OF HEALTH AND HUMAN SERVICES (SECRETARY OPERATION CENTER (SOC))
31-JAN-26 09:58
DHS CISA (CISA CENTRAL)
31-JAN-26 09:58 (202)2829201
DOI HEADQUARTERS (IOC OFFICE OF EMERGENCY MANAGEMENT)
31-JAN-26 09:58 (202)2085632
OFFICE OF ENV. POLICY & COMPLIANCE (OEPC REGION 4)
31-JAN-26 09:58 (404)3314524
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)
31-JAN-26 09:58 (202)3661863
EPA CRIMINAL INVESTIGATION DIVISION (ATLANTA AREA OFFICE)
31-JAN-26 09:58
EPA CRIMINAL INVESTIGATION DIVISION (FORENSICS AND RESPONSE SECTION DENVER)
31-JAN-26 09:58
WASTE AND CHEMICAL ENFORCEMENT (OFFICE OF ENFORCEMENT AND COMPLIANCE ASSURANCE)
31-JAN-26 09:58 (202)5641791

U.S. EPA IV (MAIN OFFICE)
(404)6504955
U.S. EPA IV (ENFORCEMENT AND COMPLIANCE ASSURANCE DIVISION (ECAD))
31-JAN-26 09:58 (404)5628262
WASTE AND CHEMICAL ENFORCEMENT (OFFICE OF CIVIL ENFORCEMENT)
31-JAN-26 09:58 (202)5642566
USCG NATIONAL COMMAND CENTER (MAIN OFFICE)
31-JAN-26 09:58 (202)3722100
JOINT TASK FORCE CIVIL SUPPORT (CBRN ANALYSIS CELL)
31-JAN-26 09:58 (757)5017422
NOAA RPTS FOR AL (MAIN OFFICE)
31-JAN-26 09:58 (206)5264911
PIPELINE & HAZMAT SAFETY ADMIN (HAZARDOUS MATERIAL ACCIDENT INVESTIGATION)
31-JAN-26 09:58 (202)3664031
REPORTING PARTY (RP SUBMITTER)
31-JAN-26 09:58
SECTOR MOBILE (COMMAND CENTER)
31-JAN-26 09:58 (833)6628724 CARPENTER
SECTOR MOBILE (RESPONSE DIVISION)
31-JAN-26 09:58 (833)6628724
ALABAMA EMA (RESPONSE)
31-JAN-26 09:58 (205)2802311
FL DEM STATE WATCH OFFICE (MAIN OFFICE)
31-JAN-26 09:58 (850)4139900
TENNESSEE VALLEY AUTHORITY (EMERGENCY MANAGEMENT)
31-JAN-26 09:58 (336)2137463
TEXAS FUSION CENTER (COUNTER TERRORISM)
31-JAN-26 09:58 (866)7865972
USCG HEARTLAND DISTRICT (MAIN OFFICE)
31-JAN-26 09:58 (504)5896225

ADDITIONAL INFORMATION

*** END INCIDENT REPORT #1453808 ***
Report any problems by calling 1-800-424-8802
PLEASE VISIT OUR WEB SITE AT http://nrc.uscg.mil

James Howard

From: HQS-SMB-NRC@uscg.mil
Sent: Friday, January 16, 2026 3:01 PM
To: D08-DG-SECMobile-Incident-Management-Division; Sector Mobile CC; D08-DG-SECMobile-Intelligence
Subject: NRC#1452890

NATIONAL RESPONSE CENTER 1-800-424-8802
GOVERNMENT USE ONLYGOVERNMENT USE ONLY***
Information released to a third party shall comply with any
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1452890

INCIDENT DESCRIPTION

*Report taken by NRC on 16-JAN-26 at 15:43 ET.
Incident Type: FIXED
Incident Cause: DUMPING
Affected Area: STORM DRAINS
Incident was discovered on 16-JAN-26 at 08:30 local incident time.
Affected Medium: WATER / STORM DRAINS, DIRT, ASPHALT, POND

REPORTING PARTY
Name: ANONYMOUS
Organization:
Address:

Email Address:

PRIMARY Phone:
Type of Organization: OTHER

SUSPECTED RESPONSIBLE PARTY
Name:
Organization:
Address:

Phone:
Type of Organization:

INCIDENT LOCATION
16095 BLACK DEVINE RD County: BALDWIN
City: LOXLEY State: AL Zip: 36551
GREEN AUTOMOTIVE AROUND BACK

RELEASED MATERIAL(S)
CHRIS Code: EGL Official Material Name: ETHYLENE GLYCOL
Also Known As:

Qty Released: 0 UNKNOWN AMOUNT Qty in Water: 0 UNKNOWN AMOUNT
CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE (UNLEADED)
Also Known As:
Qty Released: 0 UNKNOWN AMOUNT Qty in Water: 0 UNKNOWN AMOUNT
CHRIS Code: OMT Official Material Name: OIL, MISC: MOTOR
Also Known As:
Qty Released: 0 UNKNOWN AMOUNT Qty in Water: 0 UNKNOWN AMOUNT

DESCRIPTION OF INCIDENT

THE CALLER IS REPORTING A DUMPING OF GASOLINE, MOTOR OIL, ANTIFREEZE, ONTO THE GROUND AND INTO A STORM DRAIN, FROM MULTIPLE LOCATIONS AT THE FACILITY. THE CAUSE OF THE RELEASE IS DUE TO THE SRP NOT FOLLOWING POPPER DISPOSAL PROCEDURES.

SENSITIVE INFORMATION

INCIDENT DETAILS

Package: N/A
Building ID:
Type of Fixed Object: AUTO SHOP
Power Generating Facility: UNKNOWN
Generating Capacity:
Type of Fuel:
NPDES:
NPDES Compliance: UNKNOWN
---WATER INFORMATION---
Body of Water: STORM DRAINS
Tributary of:
Nearest River Mile Marker:
Water Supply Contaminated: UNKNOWN

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Sent to Hospital: Empl/Crew: Passenger:
FATALITIES: NO Empl/Crew: Passenger: Occupant:
EVACUATIONS:NO Who Evacuated: Radius/Area:

Damages: NO

Closure Type	Description of Closure	Hours Closed	Direction of Closure

Air: NO

Road: NO Major Artery:NO

Waterway:NO

Track: NO

Passengers Transferred: NO
Environmental Impact: NO
Media Interest: NONE

REMEDIAL ACTIONS

NONE
Release Secured: UNKNOWN
Release Rate:
Estimated Release Duration:

WEATHER

ADDITIONAL AGENCIES NOTIFIED

Federal:
State/Local: STATE FIRE MARSHAL
State/Local On Scene:
State Agency Number:

NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)
16-JAN-26 15:58 (334)3944382
ALABAMA DEPT OF ENV MGMT (MOBILE FIELD OFFICE)
16-JAN-26 15:58 (334)3944382
ALABAMA LAW ENFORCEMENT AGENCY (ALABAMA FUSION CENTER)
16-JAN-26 15:58
CENTERS FOR DISEASE CONTROL (GRASP)
16-JAN-26 15:58 (770)4887100
CG AVIATION TRAINING CENTER (MOBILE)
16-JAN-26 15:58 (251)4416864
USCG-GC IMT (PRIMARY)
16-JAN-26 15:58 (609)3518503
DEPT OF HEALTH AND HUMAN SERVICES (SECRETARY OPERATION CENTER (SOC))
16-JAN-26 15:58
DHS CISA (CISA CENTRAL)
16-JAN-26 15:58 (202)2829201
DOI HEADQUARTERS (IOC OFFICE OF EMERGENCY MANAGEMENT)
16-JAN-26 15:58 (202)2085632
OFFICE OF ENV. POLICY & COMPLIANCE (OEPC REGION 4)
16-JAN-26 15:58 (404)3314524
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)
16-JAN-26 15:58 (202)3661863
EPA CRIMINAL INVESTIGATION DIVISION (ATLANTA AREA OFFICE)
16-JAN-26 15:58
EPA CRIMINAL INVESTIGATION DIVISION (FORENSICS AND RESPONSE SECTION DENVER)
16-JAN-26 15:58
WASTE AND CHEMICAL ENFORCEMENT (OFFICE OF ENFORCEMENT AND COMPLIANCE ASSURANCE)
16-JAN-26 15:58 (202)5641791
U.S. EPA IV (MAIN OFFICE)

16-JAN-26 15:59 (404)6504955 R4PAGER
FEMA REGION 4 (WATCH UNIT)
16-JAN-26 15:58 (770)2203158
USCG NATIONAL COMMAND CENTER (MAIN OFFICE)
16-JAN-26 15:58 (202)3722100
JOINT TASK FORCE CIVIL SUPPORT (CBRN ANALYSIS CELL)
16-JAN-26 15:58 (757)5017422
NOAA RPTS FOR AL (MAIN OFFICE)
16-JAN-26 15:58 (206)5264911
SECTOR MOBILE (COMMAND CENTER)
16-JAN-26 16:00 (833)6628724 FROBERG
SECTOR MOBILE (RESPONSE DIVISION)
16-JAN-26 15:58 (833)6628724
ALABAMA EMA (RESPONSE)
16-JAN-26 15:58 (205)2802311
FL DEM STATE WATCH OFFICE (MAIN OFFICE)
16-JAN-26 15:58 (850)4139900
TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE BRANCH SE REGION)
16-JAN-26 15:58 (904)9804075
TENNESSEE VALLEY AUTHORITY (EMERGENCY MANAGEMENT)
16-JAN-26 15:58 (336)2137463
TEXAS FUSION CENTER (COUNTER TERRORISM)
16-JAN-26 15:58 (866)7865972
USCG HEARTLAND DISTRICT (MAIN OFFICE)
16-JAN-26 15:58 (504)5896225

ADDITIONAL INFORMATION

*** END INCIDENT REPORT #1452890 ***
Report any problems by calling 1-800-424-8802
PLEASE VISIT OUR WEB SITE AT
https://usg01.safelinks.protection.office365.us/?url=http%3A%2F%2Fnrc.uscg.mil%2F&data=05%7C02%7Cduskin.a.deichl%40uscg.mil%7Cf85412dfe11a47fb475b08de55425201%7C369ba0d502cb4d2f94fd9212cc24b78c%7C0%7C0%7C639041940513930877%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=A5BVIYo3lpn9f2X%2B1TfNstypSpjeCctHvsl5qS%2F7Mj0%3D&reserved=0

James Howard

From: HQS-SMB-NRC@uscg.mil
Sent: Monday, July 7, 2025 12:28 PM
To: D08-DG-SECMobile-Incident-Management-Division; Sector Mobile CC; D08-DG-SECMobile-Intelligence
Subject: NRC#1436220

NATIONAL RESPONSE CENTER 1-800-424-8802
GOVERNMENT USE ONLYGOVERNMENT USE ONLY***
Information released to a third party shall comply with any
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1436220

INCIDENT DESCRIPTION

*Report taken by NRC on 07-JUL-25 at 13:01 ET.
Incident Type: MOBILE
Incident Cause: UNKNOWN
Affected Area: STORM DRAIN
Incident occurred on 07-JUL-25 at 11:26 local incident time.
Affected Medium: WATER / STORM DRAIN, ASPHALT

REPORTING PARTY

Name:
Organization:
Address:

Email Address:

PRIMARY Phone:
Type of Organization:

SUSPECTED RESPONSIBLE PARTY

Name: UNKNOWN
Organization:
Address:

Type of Organization: UNKNOWN

INCIDENT LOCATION

SPANISH FORT BLVD & US-90 County: BALDWIN
City: SPANISH FORT State: AL Zip: 36527
INTERSECTION OF SPANISH FORT BLVD & US-90 W.

RELEASED MATERIAL(S)

CHRIS Code: NCC Official Material Name: NO CHRIS CODE
Also Known As: (DEF) DIESEL EXHAUST FLUID

Qty Released: 40 GALLON(S) Qty in Water: 0 UNKNOWN AMOUNT
CHRIS Code: OHY Official Material Name: HYDRAULIC OIL
Also Known As: HYDRAULIC FLUID
Qty Released: 60 GALLON(S) Qty in Water: 20 GALLON(S)

DESCRIPTION OF INCIDENT

THE CALLER IS REPORTING A RELEASE OF HYDRAULIC FLUID AND (DEF) DEASIL EXHAUST FLUID, ONTO THE GROUND AND INTO ONE STORM DRAIN. THE CALLER STATES THE RELEASE WAS DUE TO A DUMP TRUCK AND A PASSENGER TRUCK GETTING INTO AN ACCIDENT IN THE INTERSECTION. THE CALLER STATES THE CAUSE OF THE ACCIDENT, AND THE SPECIFIC LOCATION OF THE RELEASES, IS UNKNOWN AT THIS TIME.

SENSITIVE INFORMATION

INCIDENT DETAILS

Road Mile Marker:
Length of Service Disruption:
Airbag Deployed: UNKNOWN
---WATER INFORMATION---
Body of Water: STORM DRAIN
Tributary of:
Nearest River Mile Marker:
Water Supply Contaminated: UNKNOWN
---MOBILE INFORMATION---
Vehicle Type: DUMP TRUCK
Vehicle Number: UNKNOWN 1
Vehicle Fuel Capacity:
Hazmat Carrier: UNKNOWN
Carrier Licensed: UNKNOWN
Suspected Non Compliance: UNKNOWN
Trailer/Tanker Number:
Cargo Capacity:
Cargo On Board:
---MOBILE INFORMATION---
Vehicle Type: PASSENGER TRUCK
Vehicle Number: UNKNOWN 2
Vehicle Fuel Capacity:
Hazmat Carrier: UNKNOWN
Carrier Licensed: UNKNOWN
Suspected Non Compliance: UNKNOWN
Trailer/Tanker Number:
Cargo Capacity:
Cargo On Board:

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Sent to Hospital: Empl/Crew: Passenger:

FATALITIES: NO Empl/Crew: Passenger: Occupant:
EVACUATIONS:NO Who Evacuated: Radius/Area:

Damages: NO

Closure Type	Description of Closure	Hours Closed	Direction of Closure

Air: NO

Road: NO Major Artery:NO

Waterway:NO

Track: NO

Passengers Transferred: NO
Environmental Impact: NO
Media Interest: NONE

REMEDIAL ACTIONS

SPANISH FORT FIRE DEPARTMENT ON SCENE, BOOMS APPLIED, ABSORBENTS APPLIED, CLEAN UP CREW ON-SITE, CLEAN UP UNDERWAY
Release Secured: YES
Release Rate:
Estimated Release Duration:

WEATHER

Weather: SUNNY, ºF

ADDITIONAL AGENCIES NOTIFIED

Federal:
State/Local:
State/Local On Scene: ADOT, ADEM, SPANISH FORT FD
State Agency Number:

NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)
07-JUL-25 13:25 (334)3944382
ALABAMA DEPT OF ENV MGMT (MOBILE FIELD OFFICE)
07-JUL-25 13:25 (334)3944382
ALABAMA LAW ENFORCEMENT AGENCY (ALABAMA FUSION CENTER)
07-JUL-25 13:25
CENTERS FOR DISEASE CONTROL (GRASP)
07-JUL-25 13:25 (770)4887100
ASST COMDT FOR INTELLIGENCE (CG-2) (OFFICE OF INTELLIGENCE PLANS AND POLICY (CG-25))
07-JUL-25 13:25 (202)3722886
CG AVIATION TRAINING CENTER (MOBILE)
07-JUL-25 13:25 (251)4416864
USCG-GC IMT (PRIMARY)
07-JUL-25 13:25 (609)3518503

DEPT OF HEALTH AND HUMAN SERVICES (SECRETARY OPERATION CENTER (SOC))
07-JUL-25 13:25
DHS CISA (CISA CENTRAL)
07-JUL-25 13:25 (202)2829201
DOI HEADQUARTERS (IOC OFFICE OF EMERGENCY MANAGEMENT)
07-JUL-25 13:25 (202)2085632
OFFICE OF ENV. POLICY & COMPLIANCE (OEPC REGION 4)
07-JUL-25 13:25 (404)3314524
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)
07-JUL-25 13:25 (202)3661863
EPA CRIMINAL INVESTIGATION DIVISION (ATLANTA AREA OFFICE)
07-JUL-25 13:25
U.S. EPA IV (MAIN OFFICE)
07-JUL-25 13:26 (404)6504955 R4PAGER
USCG NATIONAL COMMAND CENTER (MAIN OFFICE)
07-JUL-25 13:25 (202)3722100
JOINT TASK FORCE CIVIL SUPPORT (CBRN ANALYSIS CELL)
07-JUL-25 13:25 (757)5017422
NOAA RPTS FOR AL (MAIN OFFICE)
07-JUL-25 13:25 (206)5264911
PIPELINE & HAZMAT SAFETY ADMIN (HAZARDOUS MATERIAL ACCIDENT INVESTIGATION)
07-JUL-25 13:25 (202)3664031
REPORTING PARTY (RP SUBMITTER)
07-JUL-25 13:25
SECTOR MOBILE (COMMAND CENTER)
07-JUL-25 13:27 (833)6628724 FERBORD
SECTOR MOBILE (RESPONSE DIVISION)
07-JUL-25 13:25 (833)6628724
ALABAMA EMA (RESPONSE)
07-JUL-25 13:25 (205)2802311
FL DEM STATE WATCH OFFICE (MAIN OFFICE)
07-JUL-25 13:25 (850)4139900
TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE BRANCH SE REGION)
07-JUL-25 13:25 (904)9804075
TENNESSEE VALLEY AUTHORITY (EMERGENCY MANAGEMENT)
07-JUL-25 13:25 (336)2137463
TEXAS FUSION CENTER (COUNTER TERRORISM)
07-JUL-25 13:25 (866)7865972
USCG DISTRICT 8 (MAIN OFFICE)
07-JUL-25 13:25 (504)5896225
US COURTS JUDICIAL SECURITY DIV (FACILITIES AND SECURITY OFFICE (FSO))
07-JUL-25 13:25 (847)9034936

ADDITIONAL INFORMATION

*** END INCIDENT REPORT #1436220 ***
Report any problems by calling 1-800-424-8802
PLEASE VISIT OUR WEB SITE AT http://nrc.uscg.mil

SPILL REPORT

Complete this spill report for:

All spills greater than five (5) gallons
All concentrated pesticide or fertilizer spills
All spills entering a storm sewer or body of water
Equipment failure causing any spill
Vehicle accident causing any spill

Section 1 - Basic Information

Report completed by: Shawn Bradberry Date: 7/24/2025

Employee Involved:
Employee Involved:
Branch Number: 5062
Branch Name: Mobile
Truck Number: 220701
Truck Type: Pickup
Service Line: Lawn
Time: 16:15 CST
Address:

Section 2 - Spill Quantities

*Fill out the Spill Worksheet on page two to complete this section

Total Gallons: 85 Total lbs AI: 2.3 2.3
Products involved: 0-0-20, 0MCPA-Amine, CLASH

Section 3 - Cause of Spill

Equipment:

- ☐ Hose break
  Where?
- ☐ Fitting break
  Where?
- ☐ Gun
- ☐ Hose clamp failure
  - ☐ Screw clamp ☐ Band clamp
- ☐ Agitator seal
- ☐ Valve
  Where?
- ☑ Other
  Explain: e and punctured the chemical

Human Factor:

- ☐ Inattention
- ☐ Maintenance
- ☐ Improper operation
- ☐ Training
- ☐ Vehicle Accident
- ☐ Vandalism
- ☑ Other

Additional Details: The vehicle driveshaft broke

Section 4 - Was the Spill Contained?

- ☐ Yes ☑ No
- ☐ Entered Storm Drain
- ☐ Entered Body of Water
- ☐ Entered Roadside Ditch
- ☐ Absorbed into soil
- ☐ Other

Additional Details: All of the product was absorbed into the soil on the Hwy right-of-way and was unrecoverable.

Section 5 - Spill Response Team

Time of arrival: 18:08 CST

Total gals or lbs recovered:
Methods used to clean spill:
Modifications to equipment to prevent further release:
Disciplinary action, if warranted:
Any other circumstances or problems?:

Section 6 - Authorities

Contact local and/or federal authorities based on RTM instructions.
If RTM is not available, call TruGreen technical services at (614) 734-1773

Agencies Notified:	Date/Time:	Contact Person:	Action taken by agency:
ADEM	7/25 10:00 CST	Steve	Waiting on call back
Safety Kleen	7/24 19:12 CST	Unknown	Initiated Response

The spill report must be reviewed by the General Manager.

GM Name: Signature: Date:

SPILL WORKSHEET (accompanies Spill Report)

Refer to the paper fill chart for the spilled material and fill in the yellow cells

Date: 7/24/25 Branch: 5062 - Mobile Name: Shawn Bradberry

Step 1. Number of Gallons Spilled: 85

Step 2. Fill Template Number: 12695

Step 3. Products in tank mix:

SPT 5% Iron
Manor
Talstar
Induce

Step 4. Tank Mix Solution Weighs: 8.4 lbs. / gal.

Step 5. 85 (Gal. Spilled) X 8.4 (lbs. / Gal.) = 714 (Total lbs. Spilled)

Step 6. **Fertilizer:** lbs. of Nitrogen, Phosphorus (P_2O_5) & Potassium (K_2O) spilled:

%N		X		Total lbs. Spilled =	lbs. N
%P		X		Total lbs. Spilled =	lbs. P
%K		X		Total lbs. Spilled =	lbs. K

Step 7. **Pesticides:** lbs. of Active Ingredient Spilled

Active Ingredient Name	% Concentration					
Iron	0.069	% X	714	Total lbs. Spilled =	0.49	lbs. a.i.
Sulfur	0.063	% X	714	Total lbs. Spilled =	0.45	lbs. a.i.
Metsulfuon ME	0.008	% X	714	Total lbs. Spilled =	0.06	lbs. a.i.
Bifenthrin	0.063	% X	714	Total lbs. Spilled =	0.45	lbs. a.i.
Non-Ionic Surf	0.125	% X	714	Total lbs. Spilled =	0.89	lbs. a.i.
		% X		Total lbs. Spilled =		lbs. a.i.

Total lbs. of a.i. Spilled: 2.34 lbs. a.i.

Step 8. Document Ethics Point (if over 5 gallons)

Ethics Point Report #:

Manager Name: Manager Signature:

MOST OF THE INFORMATION FOR THE HIGHLIGHTED CELLS CAN BE FOUND ON THE "FILL STATEMENT" PAGE OF THE MISSION FILL CHART

Spill Report - Written Statement and Photos

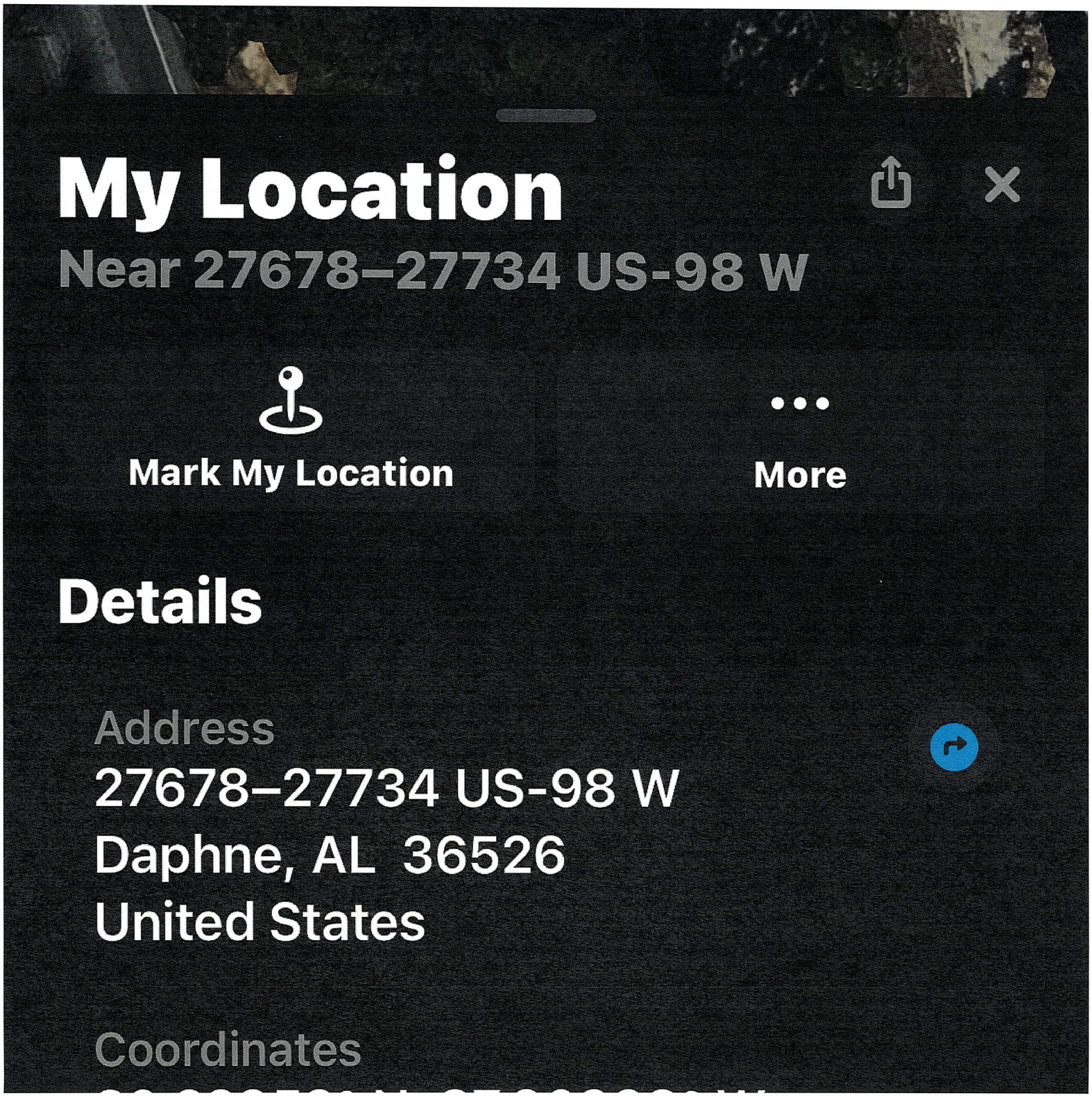
Written statement from employee(s) invloved:

Name: Signature: Date:

Photo(s) of Equipment Failure:

Photo(s) of Path of Spill:

Photo(s) of Cleanup effort/results:


My Location
Near 27678–27734 US-98 W
Mark My Location
More
Details
Address
27678–27734 US-98 W
Daphne, AL 36526
United States
Coordinates

Safety Data Sheet

1. Identification

Product Name : INDUCE
Synonyms : None
Product Use : Nonionic Low Foam Wetter/Spreader Adjuvant
Manufacturer/Supplier : Helena Agri-Enterprises, LLC
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Warning
Skin Irritation : Moderately irritating
Eye Irritation : Severely irritating in non-washed eye (35.8); moderately irritating in washed eye (16.3); Injury was reversible.
Acute Toxicity Oral : LD50 >4,000 mg/kg (rat)
Acute Toxicity Dermal : LD50 >2,000 mg/kg (rat)

Hazard Categories : Oral/Dermal/Inhalation Toxicity-5/5/5; Eye/Skin Irritation-2A/2

Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes serious eye irritation
Causes skin irritation
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Alkyl Aryl Polyoxylkane ethers, alkanolamides, dimethyl siloxane, and free fatty acids.	Proprietary	90.00
Components ineffective as adjuvant.	Nonhazardous	10.00

4. First Aid Measures

Eye : Immediately flush eyes with water for at least 15 minutes. See a physician.
Skin : Remove contaminated clothing and wash skin with soap and water. Call a physician if irritation persists.
Inhalation : Move victim to fresh air. Give artificial respiration if needed. See a physician.
Ingestion : Give a large amount of water to drink, induce vomiting and immediately call a physician. Do not induce vomiting or give anything by mouth to an unconscious person.
Indication of Immediate Medical Attention and Special Treatment Needed : If contact is made with the spray solution containing pesticides, refer to the "Statement of Practical Treatment/First Aid" on the pesticide label(s). Otherwise, treat symptomatically.

5. Fire Fighting Measures

Extinguishing Media : Use dry chemical, water spray, water fog, carbon dioxide, foam, or sand/earth.

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : Carbon monoxide and carbon dioxide under fire conditions.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Excessive heat and open flames.
Incompatible Materials : Do not mix with strong oxidizers such as hydrogen peroxide, bromine and chromic acid.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >4,000 mg/kg (rat). May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : >2,000 mg/kg (rat). May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : 2.02 mg/L (vapor limit). May be harmful if inhaled.
Likely Routes of Exposure : Eyes, skin.
Skin Irritation : Moderately irritating. Causes skin irritation.
Eye Irritation : Severely irritating in non-washed eyes (35.8), moderately irritating in washed eyes (16.3). Injury was reversible. Causes serious eye irritation.
Skin Sensitization : Not listed as a sensitizer.
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : CA PROPOSITION 65 WARNING: No listed ingredients appear on the CA Proposition 65 Warnings listing.
Other Hazards : May contain components which, in laboratory tests, have been toxic to the fetus only at doses toxic to the mother.

12. Ecological Information

Ecotoxicity : No information found
Persistence and Degradability : No information found
Bioaccumulative Potential : No information found
Mobility in Soil : No information found
Other Adverse Effects : Contains Alcohol C-12-C-16 Poly (1-6) Ethoxylate - a marine pollutant.

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

UN Proper Shipping Name : Not regulated by DOT in non-bulk packages. Regulated in bulk or if shipped by air (IATA) or vessel (IMDG) as Environmentally Hazardous Substance, Liquid, n.o.s., (Alcohol C12-C16 Poly (1-6) Ethoxylate)
Transport Hazard Class : Class 9 (bulk/IATA/IMDG)
UN Identification Number : 3082(bulk/IATA/IMDG)
Packaging Group : PG III (bulk/IATA/IMDG)
Environmental Hazards : Marine Pollutant
Transport in Bulk : Marine Pollutant
Special Precautions for Transportation : No information found

Safety Data Sheet

1. Identification

Product Name : INDUCE
Synonyms : None
Product Use : Nonionic Low Foam Wetter/Spreader Adjuvant
Manufacturer/Supplier : Helena Agri-Enterprises, LLC
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
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2. Hazard Identification



Signal Word : Warning
Skin Irritation : Moderately irritating
Eye Irritation : Severely irritating in non-washed eye (35.8); moderately irritating in washed eye (16.3); Injury was reversible.
Acute Toxicity Oral : LD50 >4,000 mg/kg (rat)
Acute Toxicity Dermal : LD50 >2,000 mg/kg (rat)

Hazard Categories : Oral/Dermal/Inhalation Toxicity-5/5/5; Eye/Skin Irritation-2A/2

Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes serious eye irritation
Causes skin irritation
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Alkyl Aryl Polyoxylkane ethers, alkanolamides, dimethyl siloxane, and free fatty acids.	Proprietary	90.00
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4. First Aid Measures

Eye : Immediately flush eyes with water for at least 15 minutes. See a physician.
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Inhalation : Move victim to fresh air. Give artificial respiration if needed. See a physician.
Ingestion : Give a large amount of water to drink, induce vomiting and immediately call a physician. Do not induce vomiting or give anything by mouth to an unconscious person.
Indication of Immediate Medical Attention and Special Treatment Needed : If contact is made with the spray solution containing pesticides, refer to the "Statement of Practical Treatment/First Aid" on the pesticide label(s). Otherwise, treat symptomatically.

5. Fire Fighting Measures

Extinguishing Media : Use dry chemical, water spray, water fog, carbon dioxide, foam, or sand/earth.

Specific Hazards Arising from the Chemical : Water spray be ineffective. Cool fire-exposed containers with water. Fog nozzles are preferable. Closed containers may rupture or explode when exposed to extreme heat.

Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

Personal Precautions : Keep unprotected and unnecessary personnel out of spill area.

Protective Equipment : Splashproof goggles or face shield, chemical-resistant gloves, impervious apron and footwear. Eyewash should be available in work area. Use NIOSH-approved respirator with organic vapor cartridge if PEL exceeded.

Emergency Procedures : Prevent spreading of spilled material into any waterways, drains or sewers.

Methods and Materials for Containment and Cleanup : Absorb with an inert material such as sand, soil or vermiculite. Sweep up and dispose of in accordance with Federal, State and Local regulations.

7. Handling and Storage

Precautions for Safe Handling : Keep out of reach of children. Keep container tightly closed. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment wash waters or spray waste.

Conditions for Safe Storage : Do not store with food, feed or other material to be used or consumed by humans or animals. Store in original container only. Do not allow water to be introduced into the contents of this container.

8. Exposure Controls / Personal Protection

TLV/PEL : PEL 100 mg/m3.

Appropriate Engineering Controls : Mechanical exhaust system

Personal Protective Equipment : Splashproof goggles or face shield, chemical-resistant gloves, impervious apron and footwear. Eyewash should be available in work area. Use NIOSH-approved respirator with organic vapor cartridge if PEL exceeded.

9. Physical and Chemical Properties

Odor/Appearance : Clear-slightly hazy colorless to yellow liquid.

Flash Point, ^{0}F : >200 Degrees F.

Boiling Point, ^{0}F : >250 Degrees F.

Melting Point(Freezing point), ^{0}C : Not applicable

Vapor Pressure, mm Hg @ 20 ^{0}C : Not established

Vapor Density : 2.1

Solubility in Water : Dispersible

Molecular Formula : Not applicable, formulated mixture.

Density, g/mL @ 25 ^{0}C : 0.956-1.033

Evaporation Rate(Butyl Acetate = 1) : Not applicable

Octanol/Water Partition Coefficient : No information found

pH : 4-5.0

Flammable Limits (approximate volume % in air) : No information found

Auto-ignition Temperature : >750 Degrees F.

Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : Carbon monoxide and carbon dioxide under fire conditions.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Excessive heat and open flames.
Incompatible Materials : Do not mix with strong oxidizers such as hydrogen peroxide, bromine and chromic acid.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >4,000 mg/kg (rat). May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : >2,000 mg/kg (rat). May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : 2.02 mg/L (vapor limit). May be harmful if inhaled.
Likely Routes of Exposure : Eyes, skin.
Skin Irritation : Moderately irritating. Causes skin irritation.
Eye Irritation : Severely irritating in non-washed eyes (35.8), moderately irritating in washed eyes (16.3). Injury was reversible. Causes serious eye irritation.
Skin Sensitization : Not listed as a sensitizer.
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : CA PROPOSITION 65 WARNING: No listed ingredients appear on the CA Proposition 65 Warnings listing.
Other Hazards : May contain components which, in laboratory tests, have been toxic to the fetus only at doses toxic to the mother.

12. Ecological Information

Ecotoxicity : No information found
Persistence and Degradability : No information found
Bioaccumulative Potential : No information found
Mobility in Soil : No information found
Other Adverse Effects : Contains Alcohol C-12-C-16 Poly (1-6) Ethoxylate - a marine pollutant.

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

UN Proper Shipping Name : Not regulated by DOT in non-bulk packages. Regulated in bulk or if shipped by air (IATA) or vessel (IMDG) as Environmentally Hazardous Substance, Liquid, n.o.s., (Alcohol C12-C16 Poly (1-6) Ethoxylate)
Transport Hazard Class : Class 9 (bulk/IATA/IMDG)
UN Identification Number : 3082(bulk/IATA/IMDG)
Packaging Group : PG III (bulk/IATA/IMDG)
Environmental Hazards : Marine Pollutant
Transport in Bulk : Marine Pollutant
Special Precautions for Transportation : No information found

Freight Classification : Adhesives, Adjuvants, Spreaders or Stickers, N.O.I. (NMFC Item 42652, Class 60)

15. Regulatory Information

National Fire Protection Association Rating :

Health: 1 Fire: 1 Reactivity: 0

Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No) :

Immediate(Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of Pressure: N
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 18-March-2019

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Manor Selective Herbicide**
EPA Reg. No.: 228-373
Product Type: Herbicide

Company Name: Nufarm Americas Inc
11901 S. Austin Avenue
Alsip, IL 60803
1-800-345-3330

Telephone Numbers: **For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night: 1-800-424-9300**
For Medical Emergencies Only, Call 1-877-325-1840

This product is an EPA FIFRA registered pesticide. Some classifications on this SDS are not exactly the same as on the FIFRA label. Certain sections are superseded by federal law governed by EPA for a registered pesticide. Please see Section 15. REGULATORY INFORMATION for explanation.

2. HAZARDS IDENTIFICATION

PHYSICAL HAZARDS:
Not hazardous

HEALTH HAZARDS:

Carcinogen	Category 1A
Specific Target Organ Toxicity – Repeat Exposure	Category 1

ENVIRONMENTAL HAZARDS:

Hazardous to aquatic environment, acute	Category 1
Hazardous to aquatic environment, chronic	Category 1

SIGNAL WORD:
DANGER

HAZARD STATEMENTS:
May cause cancer by inhalation. Causes damage to lungs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.



PRECAUTIONARY STATEMENTS
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Use personal protective equipment as required. Avoid release to the environment.

IF exposed or concerned: Get medical advice. Get medical advice if you feel unwell. Collect spillage.

Store locked up.

Dispose of contents in accordance with local, state, and federal regulations.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	CAS NO.	% BY WEIGHT
Metsulfuron-methyl	74223-64-6	58.2 – 61.8
Kaolin	1332-58-7	13.3 – 14.7
Crystalline Silica (quartz)	14808-60-7	< 0.2
Titanium dioxide	13463-67-7	< 0.3
Other Ingredients	Trade Secret	Trade Secret

Synonyms: Mixture containing Metsulfuron methyl (Methyl 2-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-ly) amino]carbonyl]amino] sulfonyl]benzoate)

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

If on Skin or Clothing: Take off contaminated clothing. Wash with soap and water. Get medical attention if irritation develops and persists.
If in Eyes: Hold eye open and rinse slowly and gently with water for several minutes. Remove contact lenses, if present, then continue rinsing eye. Get medical attention if irritation occurs and persists.
If Swallowed: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. If symptoms develop, get medical advice.
If Inhaled: Move person to fresh air. If symptoms develop, get medical advice.
Most Important symptoms/effects, acute and delayed: May cause mild eye irritation. Prolonged or repeated inhalation may cause lung damage or cancer.
Indication of Immediate medical attention and special treatment if needed: For ingestion there is no specific antidote available. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use extinguishing media suitable for surrounding materials. Dry chemical, carbon dioxide, foam, water spray or fog.
Special Fire Fighting Procedures: Firefighters should wear NIOSH approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.
Unusual Fire and Explosion Hazards: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard. If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later. Decontaminate tools and equipment following cleanup.
Hazardous Decomposition Materials (Under Fire Conditions): May produce gases such as oxides of carbon, hydrogen, nitrogen and sulfur.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.
Environmental Precautions: Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.
Methods for Containment: Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

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Methods for Cleanup and Disposal: Avoid creation of dusty conditions. If dry, sweep or scoop up material and place into container for disposal. If wet, pump any free liquid into an appropriate closed container. Decontaminate tools and equipment following cleanup. See Section 13: DISPOSAL CONSIDERATIONS for more information.
Other Information: Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

7. HANDLING AND STORAGE

HANDLING:
Avoid contact with eyes or clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/Personal Protective Equipment (PPE) immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

STORAGE:
Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:
Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Personal Protective Equipment:
Eye/Face Protection: To avoid contact with eyes, wear chemical goggles. An emergency eyewash or water supply should be readily accessible to the work area.
Skin Protection: To avoid contact with skin, wear long-sleeved shirt and long pants, shoes, socks, and chemical-resistant gloves. Washing facilities should be readily accessible to the work area.
Respiratory Protection: Not normally required. If vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.
General Hygiene Considerations: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

Exposure Guidelines:

	OSHA		ACGIH		
Component	**TWA**	**STEL**	**TWA**	**STEL**	**Unit**
Metsulfuron-methyl	NE	NE	NE	NE	
Kaolin	15 (T) 5 (R)	NE	2.0 (R)	NE	mg/m^3
Crystalline Silica (quartz)	30 / %SiO_2+2 (T) 10 / %SiO_2+2 (R)	NE	0.025 (R)	NE	mg/m^3
Titanium dioxide	15 (T)	NE	10	NE	mg/m^3
Other Ingredients	NE	NE	NE	NE	

NE = Not Established
T= Total Dust
R= Respirable Fraction

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light brown granular solid
Odor:	Mild
Odor threshold:	No data available
pH:	4.01 (1% w/w dispersion in DIW)
Melting point/freezing point:	No data available
Initial boiling point and boiling range	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	Not applicable
Relative density:	1.3976 g/cc
Solubility(ies):	No data available
Partition coefficient: n-octanol/water:	No data available
Autoignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	Not applicable due to product form (solid)

Note: Physical data are typical values, but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

10. STABILITY AND REACTIVITY

Reactivity: Not reactive.
Chemical Stability: This material is stable under normal handling and storage conditions.
Possibility of Hazardous Reactions: Will not occur.
Conditions to Avoid: Excessive heat. Do not store near heat or flame.
Incompatible Materials: Strong oxidizing agents: bases and acids.
Hazardous Decomposition Products: Under fire conditions may produce gases such as oxides of carbon, hydrogen, nitrogen and sulfur.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, eye and skin contact.
Symptoms of Exposure:
Eye Contact: Slightly irritating based on toxicity studies.
Skin Contact: Mildly toxic and non-irritating based on toxicity studies.
Ingestion: Slightly toxic based on toxicity studies.
Inhalation: Low inhalation toxicity. May cause cancer or lung damage through prolonged or repeated exposure.
Delayed, immediate and chronic effects of exposure: None expected.

Toxicological Data:
Data from laboratory studies on a substantially similar product are summarized below:

Oral: Rat LD_{50}: >5,000 mg/kg
Dermal: Rat LD_{50}: >5,000 mg/kg
Inhalation: Rat 4-hr LC_{50}: >5 mg/L (based on data for Metsulfuron methyl)
Eye Irritation: Rabbit: Slight irritation
Skin Irritation: Rabbit: Mildly irritating
Skin Sensitization: Not a contact sensitizer in guinea pigs following repeated skin exposure.

Subchronic (Target Organ) Effects: Repeated overexposure to metsulfuron-methyl may cause decreased body weight gain and decreased liver weights. Prolonged or repeated inhalation may cause cancer or lung damage.

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Carcinogenicity / Chronic Health Effects: There was no evidence of carcinogenicity in animal studies using metsulfuron-methyl.
Reproductive Toxicity: Animal tests with metsulfuron-methyl have not demonstrated reproductive effects.
Developmental Toxicity: Animal tests with metsulfuron-methyl have not demonstrated developmental effects.
Genotoxicity: There have been some positive and negative studies, but the weight of evidence is that metsulfuron-methyl is not mutagenic.

Assessment Carcinogenicity:
This product contains substances that are considered to be probable or suspected human carcinogens as follows:

	Regulatory Agency Listing As Carcinogen			
Component	**ACGIH**	**IARC**	**NTP**	**OSHA**
Metsulfuron Methyl	No	No	No	No
Kaolin	A4	No	No	No
Crystalline Silica (quartz)	A2	1	Known	No
Titanium dioxide	A4	2B	No	No
Other Ingredients	No	No	No	No

12. ECOLOGICAL INFORMATION

Ecotoxicity:
Data on Metsulfuron-methyl technical:

Bluegill 96-hour LC_{50}: >150 mg/l
Rainbow Trout 96-hour EC_{50}: >150 mg/l
Daphnia 48-hour EC_{50}: >150 mg/l
Green Algae 72-hour EC_{50}: 0.045 mg/l
Bobwhite Quail 8-day Dietary LC_{50}: >5,620 ppm
Mallard Duck 8-day Dietary LC_{50}: >5,620 ppm
Mallard Duck Oral LD_{50}: >2,510 mg/kg
Honey Bee Contact LD_{50}: >25 ug/bee

Environmental Fate:
Metsulfuron-methyl is relatively mobile in most soils, but will be retained longer in soils with higher percentages of organic matter. It is more mobile in alkaline soils than in acidic soils. Metsulfuron-methyl will degrade faster under acidic conditions, and in soils with higher moisture contents and higher temperature. Metsulfuron-methyl is stable to photolysis, but will break down in ultraviolet light. Half-life estimates in soil range from 14 to 180 days, with an average of 30 days. Metsulfuron-methyl is stable to hydrolysis at neutral and alkaline pHs. The estimated half-life in acidic water is 3 weeks.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:
Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container Handling and Disposal:
Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container half full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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14. TRANSPORTATION INFORMATION

Follow the precautions indicated in Section 7: HANDLING AND STORAGE of this SDS.

DOT
Non Regulated

IMDG
UN 3077, Environmentally hazardous substance, solid, nos, (Metsulfuron-methyl), 9, III, Marine Pollutant

IATA
UN 3077, Environmentally hazardous substance, solid, nos, (Metsulfuron-methyl), 9, III,

15. REGULATORY INFORMATION

EPA FIFRA INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

U.S. FEDERAL REGULATIONS

TSCA Inventory: This product is exempted from TSCA because it is solely for FIFRA regulated use.

SARA Hazard Notification/Reporting:
Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):
Chronic Health

Section 313 Toxic Chemical(s):
None

Reportable Quantity (RQ) under U.S. CERCLA:
None

RCRA Waste Code:
Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

State Information:
Other state regulations may apply. Check individual state requirements.

California Proposition 65: ⚠ **ATTENTION.** This product can expose you to chemicals including silica, crystalline and titanium dioxide which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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16. OTHER INFORMATION

National Fire Protection Association (NFPA) Hazard Rating:
Rating for this product: Health: 1 **Flammability:** 1 **Reactivity:** 0
Hazards Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-ACCEPTED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of Federal law to use a pesticide product in any manner not prescribed on the EPA-accepted label.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Nufarm Americas Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Nufarm Americas Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS AND ALL SUCH WARRANTIES ARE HEREBY SPECIFICALLY DISCLAIMED.

Date of Issue: September 14, 2024 **Supersedes:** January 25, 2018

SAFETY DATA SHEET
According to OSHA Hazard Communication Standard 29 CFR 1910.1200 (GHS)

Wedgworth, INC.
211 SR 70 West
Lake Placid, FL 33852
www.wedgworth.com

Emergency Phone Number: 1-800-535-5053 (Infotrac)
Information Phone Number: 863-565-5203

Material Name: *SPT Iron 5%*

Issue Date: 05/2019
Revision Date: 04/2020

Section 1 –IDENTIFICATION

Product Name: Agvio Iron 5%

Manufactured by: Wedgworth, INC.
211 SR 70 West
Lake Placid, FL 33852

Section 2 –HAZARDS IDENTIFICATION

NFPA Health = 2, Fire = 0, Reactivity = 1
HMIS III: H2///F0/PH1

GHS Signal Word:
Warning
GHS Hazard Pictograms:



GHS Classifications:
Physical, Corrosive to Metals, 1
Health, Acute Toxicity, 4 Oral
Health, Skin corrosion/irritation. Avoid contact with skin, 2
Health, Causes serious eye irritation/eye irritation, 2
Environmental, Hazards to the aquatic environment – no data available

GHS Phrases:
H290 – May be corrosive to metal
H302 – Harmful if swallowed
H315 – Causes skin irritation
H319 – Causes serious eye irritation

GHS Precautionary Statements:

P102 – Keep out of reach of children.
P233 – Keep container tightly closed.
P262 – Do not get in eyes, on skin or clothing.
P264 – Wash skin thoroughly after handling.
P270 – Do not eat, drink or smoke when handling this product.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P281 – Use personal protective equipment as required.
P301+310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+330+331 – IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
P303+361+353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 – IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P403+233 – Store in a well ventilated place. Keep container tightly closed
P501 – Dispose of contents /container according to State and Federal laws.

Section 3 –COMPOSITION/INFORMATION ON INGREDIENT

Components	CAS#	%
Sulfur	7704-34-9	4.6 % as Sulfate (So_4)
Ferrous (II) Sulfate Heptahydrate	7782-63-0	5.0 % as Iron (Fe)
Inerts		75 %

*Per O.S.H.A. definition also known as 50 Fed. Reg. 48750

Section 4 – FIRST AID MEASURES

If in Eyes: Hold eye open and rinse slowly and gently with water for 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for advice.
If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of soap and water for 15 to 20 minutes. Call a poison control center or doctor for treatment.
If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything to an unconscious person.
Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact INFOTRAC 1-800-535-5053 for emergency treatment.

Section 5 – FIRE FIGHTING MEASURES

Flash Point: N/E **UFL:** N/E **LFL:** N/E

Hazardous Combustion Products: May react with high carbon metals to produce hydrogen gas, which can form an explosive mixture.
Fire Fighting Equipment/Instructions: Firefighters must wear MSHA/NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

NFPA Ratings:	**Fire:** 0	**Health:** 2	**Reactivity:** 1	**Other:** X
HMIS III Ratings:	**Fire:** 0	**Health:** 2	**Reactivity:** 1	**Personal Protection:** X

Section 6 – ACCIDENTAL RELEASE MEASURES

Containment Procedures: Flush with water into retaining area or container. Caution should be exercised regarding personal safety and exposure to released product.
Clean-Up Procedures: Neutralize solution with bicarbonate of soda.
Evacuation Procedures: Keep unnecessary people away; isolate hazard area and deny entry.
Special Instructions: Notify local authorities and the National Response Center, if required.

Section 7 – HANDLING AND STORAGE

Application and Handling Equipment: Application, handling or storage equipment MUST consist of fiberglass, PVC, polypropylene, viton, corrosion resistant plastics or stainless steel. Never use mild steel, nylon, brass or copper around product. Always rinse and clean equipment thoroughly each night with plenty of fresh, clean water.
Storage: Store in a safe place away from pets and keep out of the reach of children. Store away from excessive heat. Product will freeze. Always store product above 40 degrees F (Do Not Freeze). Freezing may cause product separation. Always keep container closed. Keep away from galvanized pipe, and any nylon storage or handling equipment.

Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment (PPE)
Mixers, loaders, applicators and other handlers must wear the following: long-sleeved shirt, long pants, shoes plus socks, chemical-resistant gloves made of any water proof material (Chemical Resistance Category A), and protective eyewear.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear/Light Green
Physical State: Liquid
pH: 0.25 +/- 0.1
Vapor Pressure: N/A
Boiling Point: N/A
Melting Point: N/A

Odor: Minimal odor
Vapor Density (Air=1): 1.0
Evaporation Rate: N/A
Solubility in Water: Complete
Specific Gravity (H_20=1): 1.197 +/- 0.01

Section 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable.
Conditions to Avoid: Avoid mixing with strong bases, oxidizing or reducing agents.
Incompatibility: Incompatible with strong bases, oxidizing or reducing agents.
Hazardous Decomposition Products: Oxides of sulfur and iron oxides.
Hazardous Polymerization: Will not occur.

Section 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity / Chronic Toxicity: Continued overexposure to this solution may cause systemic toxicity.
Carcinogenicity: N/A
Signs and Symptoms of Exposure: Overexposure may cause the following specific symptoms, depending on the concentration and duration of exposure: vomiting, shallow respiration and lung function changes.

Section 12 - ECOLOGICAL INFORMATION

No Data/information found.

Section 13 – DISPOSAL CONSIDERATIONS

Improper disposal of excess product mixture or rinsate is a violation of federal law. Dispose in a safe manner in accordance with local/national regulations. Dispose of container to comply with local, state and federal regulations.
In the event of spill, neutralize with limestone or baking soda before disposal. May deteriorate concrete.

Section 14 – TRANSPORT INFORMATION

DOT Information
Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s., (contains sulfuric acid)
Hazard Class: 8
UN/NA #: UN3264
Packing Group: III

- *Packages that contain more than 5.1 US gallons are **RQ** (reportable quantity)*
- *Packages that contain less than 4.0 liters could be **ORM-D***
- *The proper shipping information is the responsibility of the shipper and this information is only guidelines.*

Section 15 - REGULATORY INFORMATION

Caution. Keep Out of Reach of Children. This product is not a pesticide.

CAS# 7782-63-0
US state regulations
US. Massachusetts RTK - Substance List
Ferrous Sulfate (CAS 7782-63-0)
US. New Jersey Worker and Community Right-to-Know Act
Not listed.
US. Pennsylvania Worker and Community Right-to-Know Law
Ferrous Sulfate (CAS 7782-63-0)
US. Rhode Island RTK
Ferrous Sulfate (CAS 7782-63-0)
US. California Proposition 65 Components
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16 - OTHER INFORMATION

Date of Last Revision: January 2020

The information set forth herein is furnished free of charge and is based on technical data that Wedgworth, INC. , believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of the information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

Ashley Campbell

From: Summersell, Steven G <SSummersell@adem.alabama.gov>
Sent: Friday, July 25, 2025 4:12 PM
To: Ashley Campbell
Subject: Re: TruGreen Chemical Spill 7-24-2025 US 98W in Daphne, AL

This message has originated from an External Source. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Thank you!
Steve

Steven G. Summersell
Environmental Scientist, Senior
Facility Unit, Mobile Branch, Field Operations Division
Alabama Department of Environmental Management
2204 Perimeter Road
Mobile, Alabama 36615
(251) 450-3412
adem.alabama.gov
ssummersell@adem.alabama.gov

Mission: Assure for all citizens of the state a safe, healthful and productive environment

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From: Ashley Campbell <Ashley.Campbell@baldwincountyal.gov>
Sent: Friday, July 25, 2025 4:06:49 PM
To: Summersell, Steven G <SSummersell@adem.alabama.gov>
Subject: Re: TruGreen Chemical Spill 7-24-2025 US 98W in Daphne, AL

Steve
This is on ALDOT right away in Daphne. I will notify both Aldot and the City of Daphne. They may want copies of the report which are attached, but I will see what they say and send them to you.
Sent from my iPhone

> On Jul 25, 2025, at 3:50 PM, Summersell, Steven G <SSummersell@adem.alabama.gov> wrote:
>
> This message has originated from an External Source. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.
>
>
>
> _____

> * While driving on Hwy 98, the driveshaft of the vehicle (220701 – 2020 Ford F250) broke and a piece punctured the bed of the truck and the 300 gal spray tank in the bed
> * Point of failure: vehicle driveshaft
> * The technician (Jacob Reece) attempted to stop the leak but all of the product was absorbed into the soil on the Hwy right-of-way and was unrecoverable.
> * The GM reported the incident to Safety Kleen
> * Safety Kleen arrived on scene about 0200hrs CST on 7/25/2025, removed the contaminated soil and replaced the sod.
> * 27678-27734 US-98 W, Daphne, AL 36526 (30.62952° N, 87.90998° W)
>
>
> Shawn Bradberry
> General Manager
> Mobile, AL (Branch 5062)
> Email: timothybradberry@trugreenmail.com<mailto:timothybradberry@trugreenmail.com>
> Cell: 850-266-8299
> Office: 251-286-6977
> [cid:image001.jpg@01DBFD77.724C9A40]
>
> CONFIDENTIALITY NOTICE: The information contained in this e-mail, including any attachment(s), is confidential information that may be privileged and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or if you received this message in error, then any direct or indirect disclosure, distribution or copying of this message is strictly prohibited. If you have received this message in error, please notify TruGreen by calling (800) 456-5296 and by sending a return e-mail, delete this message, and destroy all copies, including attachments.
>
>

Spill Report - Standard Response Id: 16000571

Spill Report - Standard Header	
Submitted Date	07/25/2025 12:23 PM
Submitter ID	130317 - (SHACKE130317)
Spill / Customer Information	
Sales Order Branch	FMA-MOBILE FIELD SVCS
Sales Order No	2504202758
Form Status	Completed
Customer Name	#5062
Customer Contact	
Customer Contact Phone	
Address of Spill	30.62952° N, 87.90998° W
City	Daphne
State	AL
Date and Time of Call	07/24/2025 19:25 PM
Type of Spill	Chemical
Product Spilled	Other (Specify in Spill Notes)
Spill Surface	Soil
Area Affected	Other (Specify in Spill Notes)
Quantity to Water	0
Spill Related to Fire	No
Spill Related to Weather	No
Spill Description / Job Summary	Insecticide released from 's punctured 80gal tank and washed into the soil (32' x 7'), by rain water, on the side of US-98 in Daphne, AL. CHES arrived onsite, verified no chemical in the roadway and proceeded to excavate impacted soil, marked by TrueGreen, from the road shoulder using a skid steer. The impacted soil was shoveled into (9) 55gal metal drums and taken off site. The crew returned the next day to level the area with top soil and lay sod to replace the impacted grass.
Spill Cleanup Information	
Foreman Name	130317 (SHACKE130317)
Arrive On Site Time	07/24/2025 21:30 PM
Job Finish	07/25/2025 13:00 PM
Need to Return for Further Cleanup	No

Square Footage Cleaned	224
Depth of Materials (in)	3
Waste Information	
Solid Waste Description	Non-DOT, Non RCRA Regulated Solids
Solid Waste Qty	9
Solid Waste UOM	Drum
Solid Waste Manifest	BOL2075580
Waste Left on Site	No

Spill Pictures

Before Pictures-Caption-Spill site, marked with safety cones by TrueGreen







During Pictures-Caption-Site excavation. Waste shoveled into drums. Ground leveled with top soil as crew places sod.









After Pictures-Caption-Cleanup complete. 9 drums of waste collected.





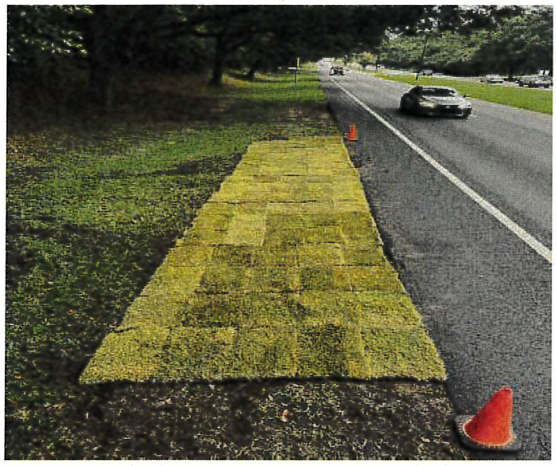




Table 6-1 Baldwin County Phase II MS4
MCM 2 IDDE Strategies and Goals

NPDES Permit Section	SWMPP Section	6-Illicit Discharge and Elimination Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-2ai	*6.11*	*Website Citizen Complaint Reporting*	*Throughout the permit cycle, the Environmental complaint form on the County website will be maintained and updated as needed.*	*All*	*Hwy & P&Z*
2025/2026			**Complaint Form Maintained -No Updates**		

Table 6-1 Baldwin County Phase II MS4
MCM 2 IDDE Strategies and Goals

NPDES Permit Section	SWMPP Section	6-Illicit Discharge and Elimination Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-2ai	*6.13*	*Enforcement*	*In year one(1), the County will legal review its authority in zoned area to determine if an IDDE ordinance can be implemented*	*All*	*Hwy & P&Z*
Completed in Year 2021/2022					

Table 6-1 Baldwin County Phase II MS4
MCM 2 IDDE Strategies and Goals

NPDES Permit Section	SWMPP Section	6-Illicit Discharge and Elimination Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-2ai	*6.14*	*Staff Training*	*Provide IDDE training to new employees with program responsibilities including but not limited to Understanding Your Stormwater Management Plan*	*All*	*Hwy & P&Z*
		2025/2026	**Other MS4 Training with Erosion & Sediment Control**		
Department		**Date**	**Title of Training**		
Area 100		3/24/2026	Training Topic-MS4 & CBMPP Video	See Sign-In Sheet	
Area 200		3/4/2026	Training Topic-MS4 & CBMPP Video	See Sign-In Sheet	
Area 300		3/3/2026	Training Topic-MS4 & CBMPP Video	See Sign-In Sheet	

Table 6-1 Baldwin County Phase II MS4
MCM 2 IDDE Strategies and Goals

NPDES Permit Section	SWMPP Section	6-Illicit Discharge and Elimination Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-2ai	*6.14*	*Staff Training*	*Provide additional stormwater training as needed during permit cycle to employees with program responsibilities*	*All*	*Hwy & P&Z*
		2025/2026	**No additional training**		

Table 6-1 Baldwin County Phase II MS4
MCM 2 IDDE Strategies and Goals

NPDES Permit Section	SWMPP Section	6-Illicit Discharge and Elimination Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-2ai	*6.15*	*Standard Operating Guidance (SOG)*	*Throughout the permit cycle, the County will review and update its Standard Operating Guidance documents*	*All*	*P&Z*
2025/2026			**No updates to SOGs-Forms**		

Table 6-1 Baldwin County Phase II MS4
MCM 2 IDDE Strategies and Goals

NPDES Permit Section	SWMPP Section	6-Illicit Discharge and Elimination Strategy	Goal	Pollution Targeted	Responsible Departments
Part III-2ai	*6.17*	*Program Evaluation*	*Throughout the permit cycle, review the IDDE minimum control measure strategies and goals achieved, prepare an annual report and update the SWMPP*	*All*	*P&Z*
2025/2026			**Program Evaluation**		
			The IDDE Minimum Control Measure strategies		
			and goals have been achieved and tracked in the		
			Annual Report's Spreadsheets. Proposed uppdates will		
			be detailed in the MCM Evaluation Summary.		

2021-2026 Table 7-1 Baldwin County Phase II MS4
MCM 3 Construction Site Stormwater Runoff Control Strategies and Goals

NPDES Permit Section	SWMPP Section	7-Construction Site Stormwater Runoff Control Strategies	Goal	Pollution Targeted	Responsible Departments	2021/2022 Proposed	2021/2022 Achieved	2022/2023 Proposed	2022/2023 Achieved	2023/2024 Proposed	2023/2024 Achieved	2024/2025 Proposed	2024/2025 Achieved	2025/2026 Proposed	2025/2026 Achieved
Part III-3a	7.1	Construction Site Stormwater Runoff Control	Review and updated as needed the ordinances (Zoning, Subdivision, & Territory with Probable Exposure to Flooding) that regulate erosion control review procedures, & inspections.	Sediment, Oils, Paints, & Trash	P&Z	***	***	✓	🗀	*	*	*	*	*	*
Part III-3a	7.1	Construction Site Stormwater Runoff Control	In year one (1), review existing Construction Runoff Program and update as needed to meet new permit requirements.	Sediment, Oils, Paints, & Trash	P&Z	***	***	✓	🗀	*	*	*	*	*	*
Part III-3ai	7.3	Construction Site Stormwater Runoff Control	In year one (1), review Standard Operating Guidance/Checklist/Flow Charts and update as needed to meet new permit requirements.	Sediment, Oils, Paints, & Trash	P&Z	***	***	✓	✓	*	*	*	*	*	*
Part III-3ai	7.4	Plan Review & Permitting-Construction sites associated with Sensitive Areas Such as Beaches, Waterways and Wetlands	Within the County's MS4 boundary, review subdivision and zoning applications that contain beaches, waterways and wetlands to ensure compliance with County, State and Federal permit requirements.	Sediment, Oils, Paints, & Trash	P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-3ai	7.4	Plan Review & Permitting- Subdivision & Zoning Ordinance Erosion Control Sections	Within the County's MS4 Boundary, review subdivisions & zoning applications for compliance with the County's Erosion Control Ordinance & ADEM's NPDES General Construction Permit, track and submit data in annual SWMPP report.	Sediment, Oils, Paints, & Trash	Hwy & P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓	✓	✓🗀
Part III-3avi	7.6	Inspections	In years one (1) through five(5),within the County's MS4 boundary, inspect qualifying subdivision & zoned construction sites as per permit requirements.	Sediment, Oils, Paints, & Trash	Hwy & P&Z	***	***	✓	✓	✓	✓🗀	✓	✓	✓	✓🗀
Part III-3avi	7.6 & 7.7	Inspections	In years one (1) through five(5),track construction site inspections including enforcement actions, and complaints within the County's MS4 boundary.	Sediment, Oils, Paints, & Trash	Hwy & P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓	✓	✓🗀
Part III-3aix	7.8	Website Citizen Complaints Reporting	Throughout the permit cycle, the County will maintain and update as needed the Environmental Complaint Form on the Baldwin County Website.	Sediment, Oils, Paints, & Trash	Solid Waste & P&Z	***	***	✓	🗀	*	*	*	*	*	*
Part III-3aiii	7.9	Staff Training	Throughout the permit cycle, County staff responsible for erosion and sediment control inspections and complaints will be trained in the identification of appropriate construction BMPs. Training will be tracked in the annual report.	Sediment, Oils, Paints, & Trash	P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓	✓	✓🗀
Part III-3e	7.11	Program Evaluation	Throughout the permit cycle, review the Construction Site Stormwater Runoff minimum control measure strategies and goals achieved and prepare an annual report and update the SWMPP.	Sediment, Oils, Paints, & Trash	P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓🗀
					Totals	***	***	10	10	6	6	6	6	**6**	**6**

	P&Z	Planning & Zoning
	Hwy	Highway
	*	Not Proposed for Permit Year
	**	Completed Prior to Proposed Year
	***	Spreadsheet Not Used for 2021/2022 Reporting Period
	X	Not Completed-Goal Not Met
	🗀	Attachment Included in Report

Table 7-1 Baldwin County Phase II MS4 MCM3
Construction Site Stormwater Runoff Control Strategies and Goals

NPDES Permit Section	SWMPP Section	7-Construction Site Stormwater Runoff Control Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-3a	*7.1*	*Construction Site Stormwater Runoff Control*	*Review and updated as needed the ordinances (Zoning, Subdivision, & Territory with Probable Exposure to Flooding) that regulate erosion control review procedures, & inspections*	*Sediment, Oils, Paints, & Trash*	*P&Z*
2025/2026	**Ordinance**	**No Updates**			

Table 7-1 Baldwin County Phase II MS4 MCM3
Construction Site Stormwater Runoff Control Strategies and Goals

NPDES Permit Section	SWMPP Section	7-Construction Site Stormwater Runoff Control Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-3a	*7.3*	*Construction Site Stormwater Runoff Control*	In year one (1), review Standard Operating Guidance/Checklist/Flow Charts and update as needed to meet new permit requirements	*Sediment, Oils, Paints, & Trash*	*P&Z*

2025/2026	Form/Checklist/Charts	Action
	Permitting and Plan Review Flow Chart	No Updates
	Enforcement Action Flow Chart	No Updates
	CBMPP-Minor Project Review	No Updates
	CBMPP-Major Project Review	No Updates
	CBMPP Form-Minor Projects	No Updates

Table 7-1 Baldwin County Phase II MS4 MCM3
Construction Site Stormwater Runoff Control Strategies and Goals

NPDES Permit Section	SWMPP Section	7-Construction Site Stormwater Runoff Control Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-3a	*7.4*	*Plan Review & Permitting Construction Sites associated with Sensitive Areas such as beaches, Waterways, and Wetlands*	*Within the County's MS4 boundary, review subdivision and zoning applications that contain beaches waterways and wetlands to ensure compliance with County, State and Federal permit requirements*	*Sediment, Oils, Paints, & Trash*	*P&Z*
2025/2026		**Document/Form**	**Description**		
		Permit Application Online	Environmental Questions/Attachments		
			Permit Acronyms		
			CSP-Commercial Site Plan		
			PF-Exemption Verification, SC-Subdivision Concurrent, SN-Sign,		
			FLD-Unzone Flood Land Disturbance, ZLD Zoning Land Disturbance,		
			ZSP-Zoning Site Plan, ZSV-Zoning Verification		
2025/2026			**Reviews**		
	Permit#	**Issue Date**	**Address**		
	BPR25-003416	01/05/2026	27780 STAYDAR CIR LOT 14		
	BPR25-003417	01/05/2026	27839 STAYDAR CIR LOT 18		
	BPR25-003448	01/05/2026	27796 STAYDAR CIR LOT 12		
	BPR25-003450	01/05/2026	27867 STAYDAR CIR LOT 20		
	BPR25-003476	01/06/2026	27788 STAYDAR CIR LOT 13		
	BPR25-003477	01/06/2026	27759 STAYDAR CIR LOT 57		
	BPR25-003472	01/07/2026	28178 TURKEY BRANCH DR		
	ZSP26-000004	01/09/2026	25757 AUSTIN RD		
	BPR25-003130	01/12/2026	19247 BOOTHE RD		
	BPR25-003257	01/12/2026	45 GENERAL CANBY DR		
	BPR25-003475	01/12/2026	27882 ISLA LN LOT 26		
	BPR26-000031	01/14/2026	27772 STAYDAR CIR LOT 15		
	ZLD26-000005	01/15/2026	18825 SCENIC HWY 98		
	BPR26-000066	01/16/2026	27773 STAYDAR CIR LOT 16		
	BPC25-000283	01/21/2026	14146 US HWY 90		

Table 7-1 Baldwin County Phase II MS4 MCM3

Construction Site Stormwater Runoff Control Strategies and Goals

Permit#	Issue Date	Address
BPC25-000284	01/21/2026	27986 STAYDAR CIR
BPR26-000074	01/21/2026	27825 STAYDAR CIR LOT 17
BPR26-000092	01/26/2026	27898 ISLA LN LOT 25
BPR26-000096	01/26/2026	27859 ISLA LN LOT 31
BPR26-000089	01/27/2026	27895 STAYDAR CIR LOT 22
BPR26-000091	01/27/2026	14240 PALK AVE LOT 24
BPR26-000093	01/27/2026	27866 ISLA LN LOT 27
BPR26-000094	01/27/2026	27850 ISLA LN LOT 29
BPR26-000095	01/27/2026	27851 ISLA LN LOT 30
BPR26-000097	01/27/2026	27865 ISLA LN LOT 32
BPR26-000098	01/27/2026	27897 ISLA LN LOT 34
BPR26-000099	01/27/2026	27533 STAYDAR CIR LOT 44
BPR26-000111	01/27/2026	27675 STAYDAR CIR LOT 51
BPR26-000108	01/28/2026	27547 STAYDAR CIR LOT 45
BPR26-000109	01/28/2026	27575 STAYDAR CIR LOT 47
BPR26-000110	01/28/2026	27589 STAYDAR CIR LOT 48
BPR26-000142	01/28/2026	27858 ISLA LN LOT 28
BPR26-000143	01/28/2026	27881 ISLA LN LOT 33
BPR26-000145	01/28/2026	27561 STAYDAR CIR LOT 46
BPR26-000149	01/28/2026	27731 STAYDAR CIR LOT 55
ZSP25-000102	01/28/2026	10892 ROANOKE LOOP
BPR26-000112	01/29/2026	27717 STAYDAR CIR LOT 54
BPR26-000144	01/29/2026	14214 PALK AVE LOT 35
BPR26-000147	01/29/2026	27689 STAYDAR CIR LOT 52
BPR26-000148	01/29/2026	27703 STAYDAR CIR LOT 53
BPR26-000146	01/30/2026	27615 STAYDAR CIR LOT 50
BPR26-000177	01/30/2026	27603 STAYDAR CIR LOT 49
BPR26-000178	01/30/2026	27745 STAYDAR CIR LOT 56
BPR26-000185	01/30/2026	14802 COUNTY RD 66
CSP26-000001	02/05/2026	17280 SCENIC HWY 98
ZLD25-000118	02/05/2026	18825 SCENIC HWY 98
BPR26-000271	02/06/2026	38 SPECKLE TROUT RTE LOT 21
SRP25-000021	02/06/2026	

Table 7-1 Baldwin County Phase II MS4 MCM3
Construction Site Stormwater Runoff Control Strategies and Goals

Permit#	Issue Date	Address
BPR26-000204	02/09/2026	19041 SCENIC HWY 98
BPR26-000272	02/09/2026	25208 FAIRFAX RD LOT 35
ZLD26-000011	02/09/2026	0 2ND ST
BPR25-001196	02/10/2026	17276 POLO RIDGE BLVD LOT 7
CPR25-000022	02/13/2026	9844 MILTON JONES RD
SRP26-000002	02/13/2026	
BPR25-002681	02/19/2026	7063 GABEL ST
ZLD26-000026	02/27/2026	8148 MANLEY RD
ZLD25-000113	03/16/2026	108 WICKER WAY
BPR25-002673	03/20/2026	18417 SCENIC HWY 98
BPR26-000906	03/24/2026	7179 SUNSREIGN DR
BPR26-000189	03/26/2026	14393 CO RD 66
BPR26-000447	03/26/2026	23812 2ND ST LOT 1
BPR25-000744	04/03/2025	5625 BATTLES AVE
BPR25-000686	04/10/2025	21376 S MEADOWS DR
BPR25-000708	04/10/2025	21376 S MEADOWS DR
BPR25-000760	04/10/2025	5625 BATTLES RD
BPR25-000757	04/17/2025	11324 ELYSIAN CIR LOT 38
BPR25-000938	04/21/2025	10858 STERLING CT
BPR25-000998	04/22/2025	26510 LOXLEY HEIGHTS RD
BPR24-003182	04/23/2025	14290 LOXLEY HEIGHTS RD W
BPR25-000596	04/24/2025	23937 MONTROSE WOODS DR
ZLD25-000018	04/24/2025	Ponder RD
BPR25-000776	04/28/2025	31197 STAGECOACH RD
BPR25-001106	05/08/2025	10743 BELFOREST CEMETERY RD
BPC25-000025	05/09/2025	26130 STATE HWY 181
BPR25-001295	05/20/2025	10762 GAYFER RD
BPR25-001249	05/21/2025	9060 FEATHER TRL
ZLD25-000035	05/21/2025	10209 -C REBEL RD
CSP25-000005	05/27/2025	17008 SCENIC HWY 98
BPR25-001340	05/28/2025	28438 TURKEY BRANCH DR
BPR25-001218	06/02/2025	24873 AUSTIN RD
BPR25-001469	06/02/2025	9201 PARLIAMENT CIR

Table 7-1 Baldwin County Phase II MS4 MCM3
Construction Site Stormwater Runoff Control Strategies and Goals

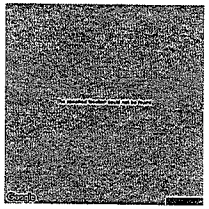
Permit#	Issue Date	Address
BPR25-001410	06/03/2025	26002 RAVENWOOD CIR
BPR25-001432	06/04/2025	31330 BUZBEE RD
ZSP25-000082	06/11/2025	11442 ELYSIAN CIR
BPR25-001451	06/12/2025	6125 SADDLE WOOD LN
BPR25-001547	06/20/2025	33819 BOARDWALK DR
BPC25-000141	06/23/2025	23764 U S HWY 98
BPR25-001382	06/25/2025	6770 PEYTON CT LOT 34
BPR25-001749	07/02/2025	7256 ASHBERRY CT
BPR25-001863	07/09/2025	10713 WARRENTON RD
BPR25-001781	07/15/2025	19147 BOOTHE RD
BPR25-001825	07/16/2025	33012 BOARDWALK DR
ZLD25-000060	07/18/2025	Lake BLVD
BPR25-001925	07/20/2025	8115 MANLEY RD
BPR25-001012	07/21/2025	6790 S WINDING BROOK DR
BPR25-001905	07/21/2025	23889 MONTROSE WOODS DR
ZLD25-000061	07/21/2025	0 Saddlewood LN
BPR25-001910	07/22/2025	18825 SCENIC HWY 98
BPR25-001966	07/22/2025	10904 WARRENTON RD
BPR25-001624	07/29/2025	19387 SCENIC HWY 98
BPC25-000185	08/01/2025	20390 STATE HWY 181
BPR25-001983	08/04/2025	5542 LAKEWOOD DR
BPR25-002040	08/04/2025	17358 WILDWOOD CT
BPR25-001566	08/07/2025	21422 BRICK STACK LN
CSP25-000013	08/07/2025	9844 MILTON JONES RD
ZLD25-000071	08/08/2025	9079 BERGA LN
CSP25-000025	08/12/2025	23946 -B U S HWY 98
BPR25-002128	08/13/2025	19426 LIBERTY RD
SSK25-000020	08/15/2025	
BPR25-002047	08/19/2025	6395 AGEE LN
BPR25-001848	08/21/2025	6797 CEDAR BROOK DR
CSP25-000017	08/26/2025	8985 TAPIS LN-Example of Wetland Review
BPR25-002248	08/29/2025	6171 SADDLE WOOD LN
BPR25-002200	09/02/2025	715 S MOBILE ST

Table 7-1 Baldwin County Phase II MS4 MCM3
Construction Site Stormwater Runoff Control Strategies and Goals

Permit#	Issue Date	Address
BPR25-002482	09/11/2025	9060 Feather TRL
BPR25-002439	09/15/2025	15101 FACKLER RD
BPR25-002046	09/17/2025	23868 MAIN ST
BPR25-002497	09/19/2025	11403 WARRIE CREEK ALLEY
BPR25-002043	09/23/2025	24881 BRIDGES DR W
CSP25-000022	09/23/2025	25640 COUNTY RD 13
BPR25-002496	09/25/2025	19854 COUNTY RD 13
BPR25-002561	09/25/2025	23924 MONTROSE WOODS DR
CSP25-000026	09/25/2025	20800 STATE HWY 181
ZLD25-000107	09/30/2025	0 SADDLEWOOD LN
CSP25-000027	10/03/2025	10580 COUNTY RD 64
CSP25-000029	10/07/2025	8450 WHISPERING PINES RD
BPR25-002221	10/08/2025	24181 BAY SHORE DR LOT 3A
BPR25-002658	10/14/2025	7123 ATLANTA CIR
BPR25-002737	10/15/2025	19426 LIBERTY RD
BPR25-002718	10/16/2025	7 MOLOKAI LN
ZSP25-000141	10/17/2025	13730 KEARNEY DR
BPR25-002797	10/20/2025	8376 NICHOLS AVE
BPR25-002479	10/21/2025	7188 CHAPMAN ST
BPR25-002784	10/27/2025	19409 SCENIC HWY 98
BPR25-002918	11/04/2025	24593 PLANTERS DR
CSP24-000040	11/06/2025	21567 STATE HWY 181
BPR25-002830	11/10/2025	17358 WILDWOOD CT
BPR25-002785	11/13/2025	19409 SCENIC HWY 98
BPC25-000272	11/17/2025	21765 STATE HWY 181 SUITE 101
BPC25-000247	11/19/2025	23902 U S HWY 98
CSP25-000035	11/21/2025	10391 COUNTY RD 64
BPR25-002911	12/01/2025	19976 BOOTHE RD
BPR25-003061	12/01/2025	23069 MAIN ST
BPR25-003143	12/01/2025	724 S MOBILE ST
BPR25-003228	12/04/2025	184 RICHMOND RD
BPR25-003234	12/08/2025	15366 BLACK AND GRIFFIN RD
BPR25-003249	12/09/2025	19123 SCENIC HWY 98

Table 7-1 Baldwin County Phase II MS4 MCM3
Construction Site Stormwater Runoff Control Strategies and Goals

Permit#	Issue Date	Address
BPR25-003284	12/10/2025	27950 STAYDAR CIR LOT 2
BPR25-003311	12/15/2025	27881 STAYDAR CIR LOT 21
SRP25-000024	12/15/2025	NorthWoods Phase 1 - STATE HWY 225-Example of Wetland Review Attached
BPR25-003227	12/19/2025	19123 SCENIC HWY 98
ZLD25-000136	12/19/2025	27788 STAYDAR CIR



PERMIT PROJECT
FILE #: 24-001273
STATE HWY 225 AL
NORTHWOODS PHASE ONE

PD: BLANK ZC: RSF-4 ARB: BLANK MS4: Y PWL: Y HW: BLANK BPJ: BALDWIN COUNTY FZ: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD -9999.0, AE 12.

ROUTE NAME	PERMIT #	STATUS
*SRP - SUBDIVISION REVISED PLAT REVIEW	SRP25-000024	UNDER REVIEW

ACTIVITY TYPE	DEPARTMENT	ASSIGNED TO	STATUS	DUE	COMPLETED	ADDRESSES
*Intake Review: SRP	Planning and Zoning Department	Elizabeth Wilson	Complete	12/04/2025	12/01/2025	All Addresses
*Assign Reviews	Planning and Zoning Department	Fabia Waters	Complete	12/02/2025	12/02/2025	All Addresses
*Payment Required for Permit Fees	Planning and Zoning Department	Elizabeth Wilson	Complete	12/02/2025	12/05/2025	All Addresses
*Technical Review/Comments: Engineering	Planning and Zoning Department	Josh Newman	Complete	12/12/2025	12/08/2025	All Addresses
*Technical Review/Comments: Environmental	Planning and Zoning Department	Ashley Campbell	Complete	12/12/2025	12/08/2025	All Addresses
*Technical Review/Comments: Right of Way	Planning and Zoning Department	Fabia Waters	Complete	12/12/2025	12/08/2025	All Addresses
*Technical Review/Comments: Subdivision	Planning and Zoning Department	Fabia Waters	Complete	12/12/2025	12/15/2025	All Addresses
*Issue Notice to Proceed	Planning and Zoning Department	Fabia Waters				All Addresses

SUBDIVISION-REVISED PRELIMINARY PLAT/ FINAL PLAT/	SRP24-000001	UNDER REVIEW

ACTIVITY TYPE	DEPARTMENT	ASSIGNED TO	STATUS	DUE	COMPLETED	ADDRESSES	
Revised Site Plan/ Plat Review	Planning and Zoning Department	Shawn Mitchell	1 Review comments sent to applicant	03/01/2024	02/28/2024	All Addresses	
Permit Engineer Review	Planning and Zoning Department	Wade Clements	Additional Documentation Required	03/01/2024	02/26/2024	All Addresses	

SUBDIVISION-REVISED PRELIMINARY PLAT/ FINAL PLAT/	SRP24-000001	UNDER REVIEW

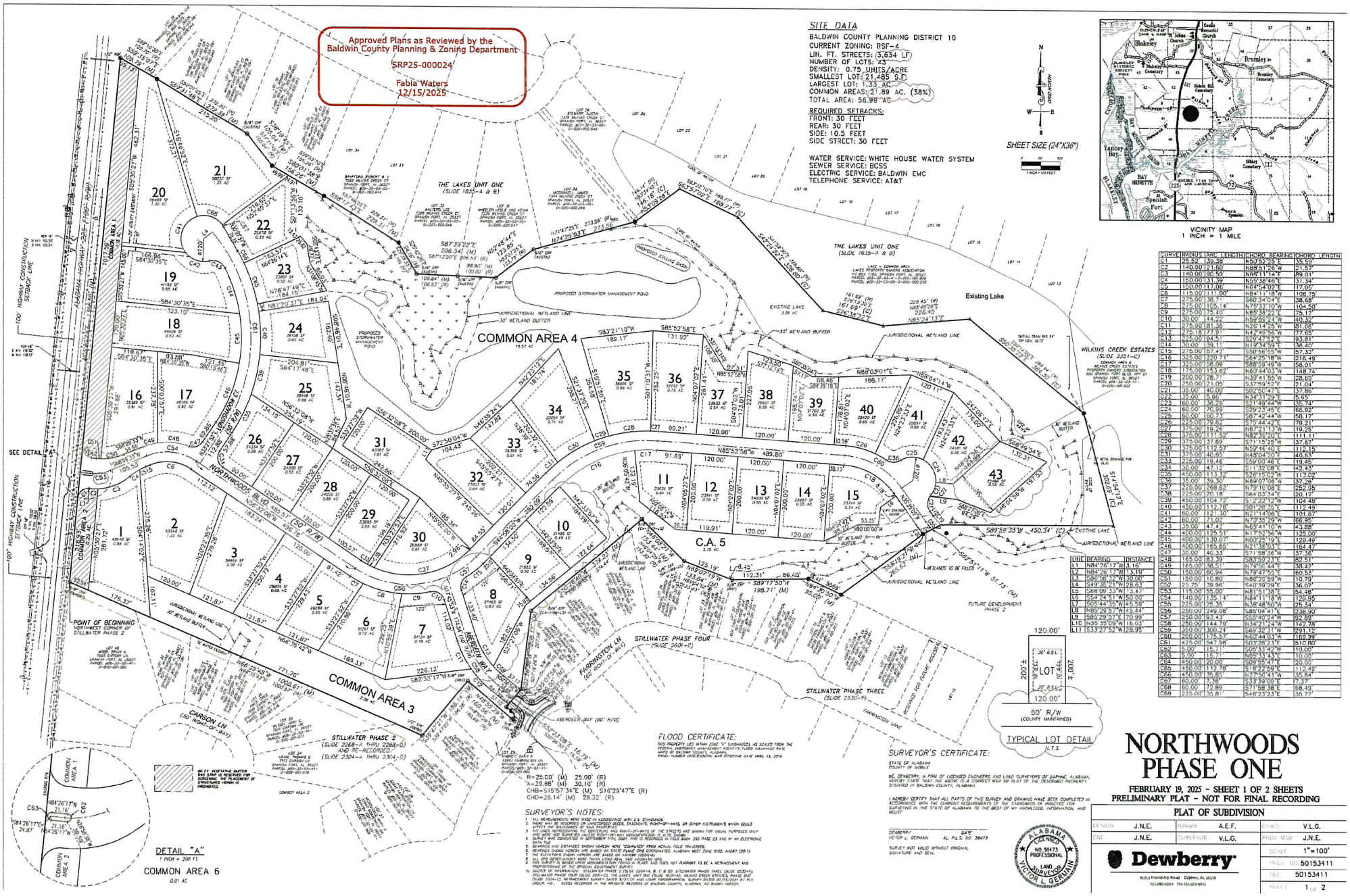
ACTIVITY TYPE	DEPARTMENT	ASSIGNED TO	STATUS	DUE	COMPLETED	ADDRESSES	
Revised Site Plan/ Plat Review	Planning and Zoning Department	Shawn Mitchell	Under Review	04/04/2024	03/25/2024	All Addresses	

SUBDIVISION-REVISED PRELIMINARY PLAT/ FINAL PLAT/	SRP24-000001	3 REVIEW COMMENTS SENT TO APPI

ACTIVITY TYPE	DEPARTMENT	ASSIGNED TO	STATUS	DUE	COMPLETED	ADDRESSES	
Revised Site Plan/ Plat Review	Planning and Zoning Department	Shawn Mitchell	3 Review comments sent to applicant	03/20/2024	03/20/2024	All Addresses	

SUBDIVISION-REVISED PRELIMINARY PLAT/ FINAL PLAT/	SRP24-000001	2 REVIEW COMMENTS SENT TO APPI

ACTIVITY TYPE	DEPARTMENT	ASSIGNED TO	STATUS	DUE	COMPLETED	ADDRESSES	
Revised Site Plan/ Plat Review	Planning and Zoning Department	Shawn Mitchell	2 Review comments sent to applicant	03/16/2024	03/13/2024	All Addresses	



CURVE	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C1	25.50'	39.38'	N53°50'25"E	35.59'
C2	140.00'	21.60'	N88°51'26"W	21.57'
C3	140.00'	90.59'	N68°11'14"E	89.01'
C4	150.00'	31.39'	N59°38'46"E	31.34'
C5	150.00'	17.06'	N64°54'02"E	17.06'
C6	115.00'	111.00'	N84°11'18"W	106.75'
C7	275.00'	38.71'	S60°34'04"E	38.68'
C8	275.00'	105.14'	N76°33'10"W	104.50'
C9	275.00'	75.40'	N89°58'22"E	75.17'
C10	300.00'	144.72'	N59°29'39"W	143.30'
C11	275.00'	81.36'	N20°14'25"W	81.06'
C12	275.18'	77.91'	N47°49'56"W	77.66'
C13	300.00'	94.51'	N39°29'39"W	94.11'
C14	30.00'	39.11'	N13°14'59"E	36.40'
C15	275.00'	57.42'	S50°56'55"W	57.32'
C16	325.00'	220.71'	S64°58'18"W	216.49'
C17	325.00'	58.09'	S88°59'49"W	58.01'
C18	175.00'	153.62'	N63°44'03"W	148.74'
C19	200.00'	28.71'	N39°41'55"W	28.69'
C20	250.00'	21.05'	S37°59'52"E	21.04'
C21	35.00'	40.00'	S02°50'47"E	37.86'
C22	50.00'	5.00'	N34°11'09"E	5.00'
C23	60.00'	36.29'	S21°49'44"W	35.74'
C24	60.00'	70.09'	S29°23'45"E	66.02'
C25	60.00'	60.23'	S87°42'44"W	58.17'
C26	225.00'	79.62'	S75°44'42"E	79.21'
C27	375.00'	19.26'	N87°21'13"W	19.26'
C28	375.00'	111.52'	N82°35'20"E	111.11'
C29	375.00'	37.89'	S71°15'29"W	37.87'
C30	375.00'	112.57'	N59°46'40"E	112.15'
C31	375.00'	40.65'	N48°04'20"E	40.63'
C32	225.00'	19.46'	S59°00'46"E	19.45'
C33	30.00'	47.12'	S11°30'08"E	42.45'
C34	450.00'	113.32'	S26°10'03"W	113.02'
C35	35.00'	30.30'	N89°07'08"E	29.36'
C36	225.00'	268.62'	N79°01'08"E	252.95'
C37	225.00'	20.18'	S64°03'34"E	20.17'
C38	450.00'	104.72'	S13°22'12"W	104.48'
C39	450.00'	112.78'	S01°29'51"E	112.49'
C40	60.00'	121.30'	N21°14'06"E	101.87'
C41	60.00'	21.02'	N79°35'29"W	66.86'
C42	35.00'	47.42'	N65°41'19"W	43.86'
C43	400.00'	124.51'	N17°52'56"W	125.00'
C44	400.00'	130.07'	N03°26'19"E	129.49'
C45	400.00'	165.60'	N21°18'44"E	164.47'
C46	30.00'	40.33'	S71°58'36"W	37.56'
C47	165.00'	83.39'	S83°59'21"E	82.51'
C48	150.00'	58.61'	N74°50'21"E	58.23'
C49	150.00'	60.94'	N79°47'52"E	60.53'
C50	150.00'	10.80'	N86°20'29"W	10.79'
C51	150.00'	39.96'	S40°59'29"E	39.84'
C52	115.00'	55.00'	N81°51'18"E	54.48'
C53	140.00'	125.14'	N84°11'18"W	120.95'
C54	225.00'	26.36'	N38°48'50"W	25.34'
C55	250.00'	249.08'	S80°04'41"E	238.90'
C56	250.00'	91.43'	S55°40'24"W	92.89'
C57	350.00'	144.79'	S34°21'24"W	143.78'
C58	350.00'	300.25'	S69°30'41"W	291.12'
C59	200.00'	175.57'	N67°44'03"W	169.99'
C60	425.00'	547.98'	S03°28'31"E	510.80'
C61	5.00'	15.71'	S05°33'42"W	10.00'
C62	5.00'	15.71'	N05°33'42"E	10.00'
C63	450.00'	20.00'	S09°58'47"E	20.00'
C64	450.00'	112.78'	S18°22'56"E	112.49'
C65	450.00'	36.85'	N27°20'41"W	36.84'
C66	60.00'	7.38'	S33°39'00"E	7.37'
C67	60.00'	72.89'	S71°58'36"E	68.49'
C68	225.00'	36.81'	S46°23'23"E	35.77'

LINE	BEARING	DISTANCE
L1	N84°26'17"W	3.16'
L2	N84°26'17"W	13.19'
L3	S86°56'12"W	30.00'
L4	S49°36'21"W	28.63'
L5	S66°09'33"W	13.47'
L6	S54°44'51"W	50.00'
L7	S06°44'55"E	45.58'
L8	N85°29'27"E	15.44'
L9	S89°29'07"E	70.99'
L10	N39°55'09"W	16.03'
L11	S33°27'52"W	28.95'

NORTHWOODS PHASE ONE

FEBRUARY 19, 2025 - SHEET 1 OF 2 SHEETS
PRELIMINARY PLAT - NOT FOR FINAL RECORDING

PLAT OF SUBDIVISION

DESIGN	J.N.E.	DRAWN	A.E.F.
ENG	J.N.E.	SURVEYOR	V.L.G.
CHKD.	V.L.G.	PROJ MGR	J.N.E.
SCALE	1"=100'		
PROJ. NO.	50153411		
DET	50153411		
SHEET	1 OF 2		

Dewberry
8065 Hillandale Road Daphne, AL 36526
251.990.9559 FAX 251.367.9845

Dilworth Spanish Fort
Wetland/Stream Delineation Report

Site Location:
Lat. 30.7225/Long –87.8958
Spanish Fort, Alabama

Prepared for:
Dilworth Development, LLC
Attn. Michael Dilworth
2124 Moores Mill Road, Suite 130A
Auburn, Al 36830

Prepared By:
WILDLAND SERVICES, LLC
P.O. Box 469
Auburn, Alabama
1-334-391-2005

May 26, 2021

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2.) Methodology.....4
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APPENDIX B NRCS Web Soil Survey

APPENDIX C U.S. Fish and Wildlife Service National Wetland Inventory Map

APPENDIX D Photos

1.) Subject Site

The subject site is approximately 63 acres off of State Highway 225, Baldwin County, Alabama. The site is further described as having center coordinates Lat. 30.7225 / Long -87.8958 (Figures 1-3).

1.1 Soils

According to the Baldwin County, Alabama Web Soil Survey (Appendix B) the subject site contains the following soil series:

Cuthbert, Bowie, and Sunsweet soils, 8 to 12 percent

The Cuthbert, (Esto) component makes up 40 percent of the map unit. Slopes are 8 to 12 percent. This component is on ridges. The parent material consists of sandy over clayey marine deposits derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrinkswell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

The Bowie, (Cowarts) component makes up 30 percent of the map unit. Slopes are 8 to 12 percent. This component is on hillslopes. The parent material consists of loamy marine deposits derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

The Sunsweet component makes up 25 percent of the map unit. Slopes are 8 to 12 percent. This component is on hillslopes. The parent material consists of marine deposits derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Hyde, Bayboro, and Muck soils

The Hyde, (Johnson) component makes up 40 percent of the map unit. Slopes are 0 to 1 percent. This component is on flood plains. The parent material consists of

loamy marine deposits derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 6 percent. Nonirrigated land capability classification is 7w. This soil meets hydric criteria.

The Dorovan component makes up 30 percent of the map unit. Slopes are 0 to 1 percent. This component is on depressions. The parent material consists of highly decomposed woody organic material over sandy marine deposits derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 50 percent. Nonirrigated land capability classification is 7w. This soil meets hydric criteria.

The Bayboro, (Pamlico) component makes up 30 percent of the map unit. Slopes are 0 to 1 percent. This component is on depressions. The parent material consists of clayey marine deposits derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrinkswell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 50 percent. Nonirrigated land capability classification is 7w. This soil meets hydric criteria.

Lakeland loamy fine sand, 0 to 5 percent slopes

The Lakeland, (Alaga) component makes up 85 percent of the map unit. Slopes are 0 to 5 percent. This component is on hillslopes. The parent material consists of sandy marine deposits derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrinkswell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3s. This soil does not meet hydric criteria.

Sunsweet fine sandy loam, 5 to 8 percent slopes, eroded

The Sunsweet, (Esto) component makes up 90 percent of the map unit. Slopes are 5 to 8 percent. This component is on hillslopes. The parent material consists of marine deposits derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

1.2 Vegetation

The site is primarily a mixed hardwoods and pine stand. Species found onsite include sweetgum (*Liquidambar styraciflua*), greenbrier (*Smilax rotundifolia*), loblolly pine (*Pinus taeda*), river birch (*Betula nigra*), American beautyberry (*Callicarpa americana*), muscadine (*vitus rotundifolia*), red maple (*acer rubrum*), southern wax myrtle *(Myrica cerifera)*, water oak *(Quercus nigra),* slash pine *(Pinus elliottii)*, green buttonwood *(Conocarpus erectus)* and invasive exotic Chinese privet (*Ligustrum sinense*).

2.) Methodology

A Professional Wetland Scientist and Soil Scientist with Wildland Services, LLC visited the subject site on May 24, 2021. The site was evaluated using the 1987 U.S. Army Corps of Engineers Wetland Delineation Manual (Technical Report Y-87-1) and the Atlantic and Gulf Coastal Regional Supplement. The area was examined for the presence of Hydric Soils, Wetland Plant Species and Wetland Hydrology. A Munsell Soil Color Chart was used to profile soil colors. Bed and bank features, along with soils, were used to identify and classify onsite streams. All streams and/or wetlands were flagged using "Wetland Delineation" flagging. A Trimble handheld Geo7X unit with sub meter accuracy was used to located onsite features in NAD 1983 Alabama East U.S. State Plane Coordinates and differentially corrected for increased accuracy. This data was downloaded and used to calculate stream lengths and wetland acreages.

Additionally; historic aerial photographs, USGS Quadrangle Maps, the NRCS Web Soil Survey, and the U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) were reviewed (See Appendix).

3.) Findings

While onsite, we identified six wetlands and 2 open water areas along with one intermittent stream onsite and one intermittent stream offsite. We are of the opinion that the aforementioned areas are Jurisdictional "Waters of the United States" and cannot legally be filled or impacted without a U.S. Army Corps of Engineers (USACE) Section 404 Permit (Figures 2-4).

Onsite "Waters of the U.S." and their amounts are depicted within the attached figures and total the following:

DESCRIPTION	**SIZE**
S1 Intermittent Stream	610' LF
Total:	**610' LF**
S2 Intermittent Stream (offsite)	~386' LF
Wetland W1	0.03 Acre
Wetland W2	1.08 Acres
Wetland W3	0.05 Acre
Wetland W4	0.02 Acre
Wetland W5	0.08 Acre
Wetland W6	0.08 Acre
Total:	**1.34 Acres**
Open Water OW1	3.02 Acres
Open Water OW2	1.07 Acres
Total:	**4.09 Acres**

4.) Discussion

The purpose of this wetland and stream delineation was to comply with the Clean Water Act and the National Environmental Protection Act. Should any of the above-mentioned resources be subject to impact or fill, USACE coordination and permitting is likely required.

The contents of this report are the opinion of the investigator and not necessarily the classification that will be determined by the USACE. We recommend proceeding with a wetland delineation confirmation, which takes approximately 45 days, to confirm our findings.

APPENDICES

WILDLAND SERVICES, LLC
P.O. Box 469 Auburn, AL 36831

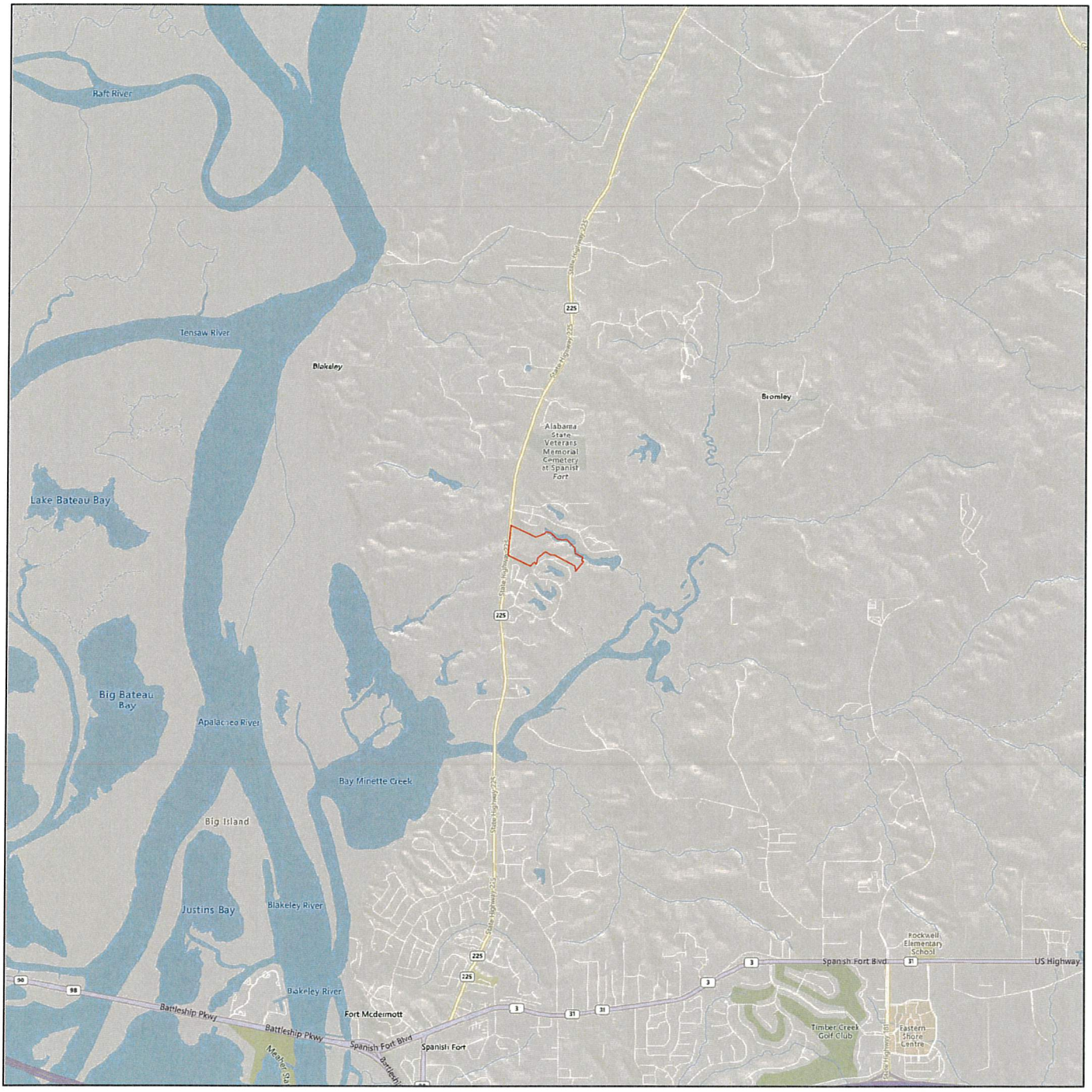
APPENDIX A

Figures 1-3

WILDLAND SERVICES

Drawing by: Will Neighbors: CPESC, PWS
334-391-2005 / www.wildlandservices.com

SPANISH FORT - DILWORTH
30.7225, -87.8958
SPANISH FORT, AL



N

5/25/2021

LEGEND

Drawing Symbols

Site Boundary

Figure 1
Site Location Map

WILDLAND SERVICES

Drawing by: Will Neighbors: CPESC, PWS
334-391-2005 / www.wildlandservices.com

SPANISH FORT - DILWORTH
30.7225, -87.8958
SPANISH FORT, AL



5/25/2021

0' 200' 400' 600'

Figure 2
Aerial with Delineation

LEGEND

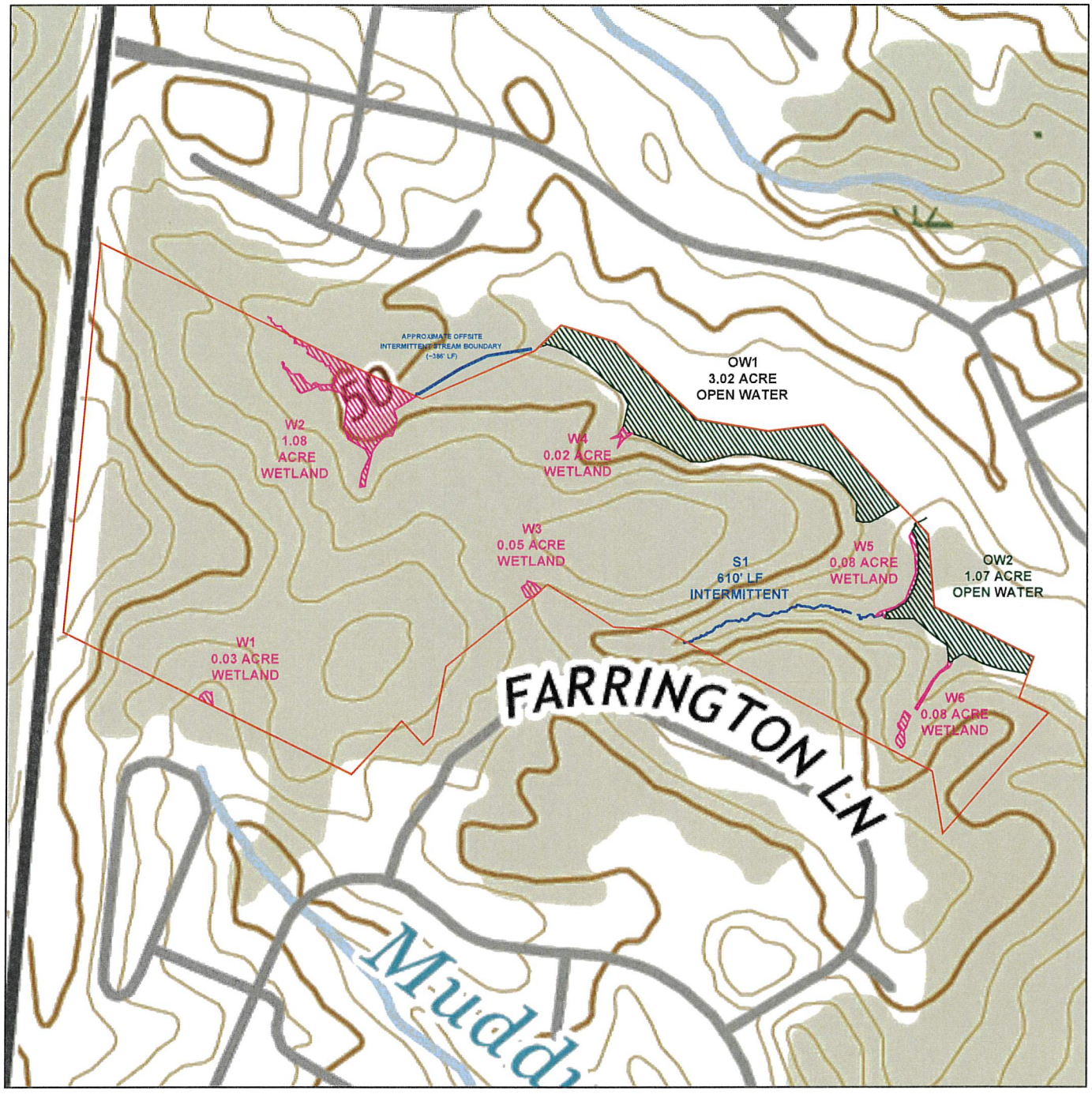
Drawing Symbols

- Site Boundary
- Intermittent Stream
- Wetland
- Open Water

WILDLAND SERVICES

Drawing by: Will Neighbors: CPESC, PWS
334-391-2005 / www.wildlandservices.com

SPANISH FORT - DILWORTH
30.7225, -87.8958
SPANISH FORT, AL



5/25/2021

0' 200' 400' 600'

LEGEND

Drawing Symbols

- Site Boundary
- Intermittent Stream
- Wetland
- Open Water

Figure 3
USGS Topo with Delineation

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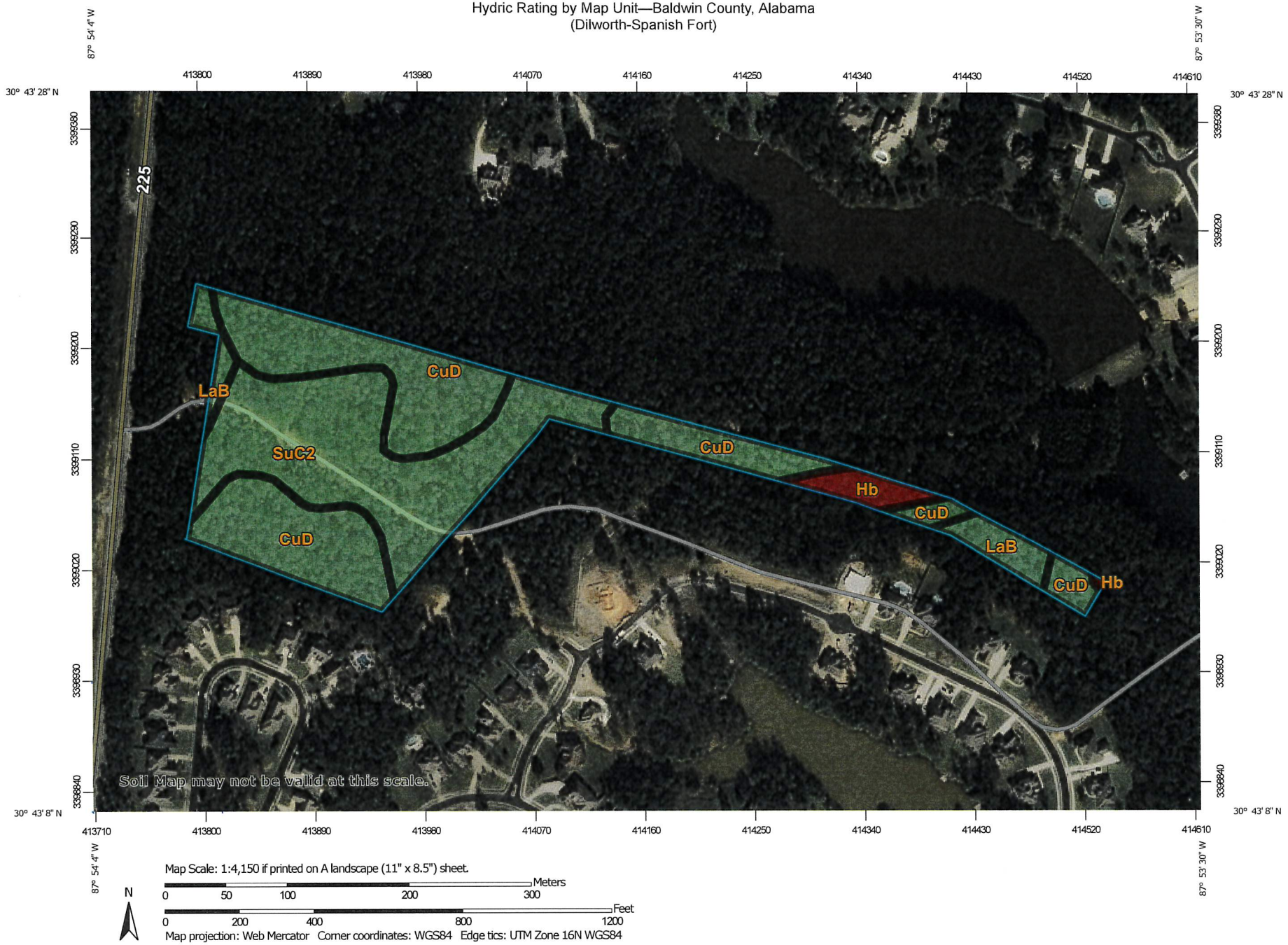
APPENDIX B

NRCS Web Soil Survey

Hydric Rating by Map Unit—Baldwin County, Alabama
(Dilworth-Spanish Fort)



Map Scale: 1:4,150 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 50 100 200 300

Feet: 0 200 400 800 1200

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Soil Rating Lines
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Soil Rating Points
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Baldwin County, Alabama
Survey Area Data: Version 12, May 29, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 16, 2018—Dec 18, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
CuD	Cuthbert, Bowie, and Sunsweet soils, 8 to 12 percent	5	7.6	48.8%
Hb	Hyde, Bayboro, and Muck soils	100	0.6	3.7%
LaB	Lakeland loamy fine sand, 0 to 5 percent slopes	5	1.0	6.6%
SuC2	Sunsweet fine sandy loam, 5 to 8 percent slopes, eroded	10	6.4	40.8%
Totals for Area of Interest			**15.6**	**100.0%**

Description

This rating indicates the percentage of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is rated based on its respective components and the percentage of each component within the map unit.

The thematic map is color coded based on the composition of hydric components. The five color classes are separated as 100 percent hydric components, 66 to 99 percent hydric components, 33 to 65 percent hydric components, 1 to 32 percent hydric components, and less than one percent hydric components.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named 'Rating'. In this column the percentage of each map unit that is classified as hydric is displayed.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

References:

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

Rating Options

Aggregation Method: Percent Present

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

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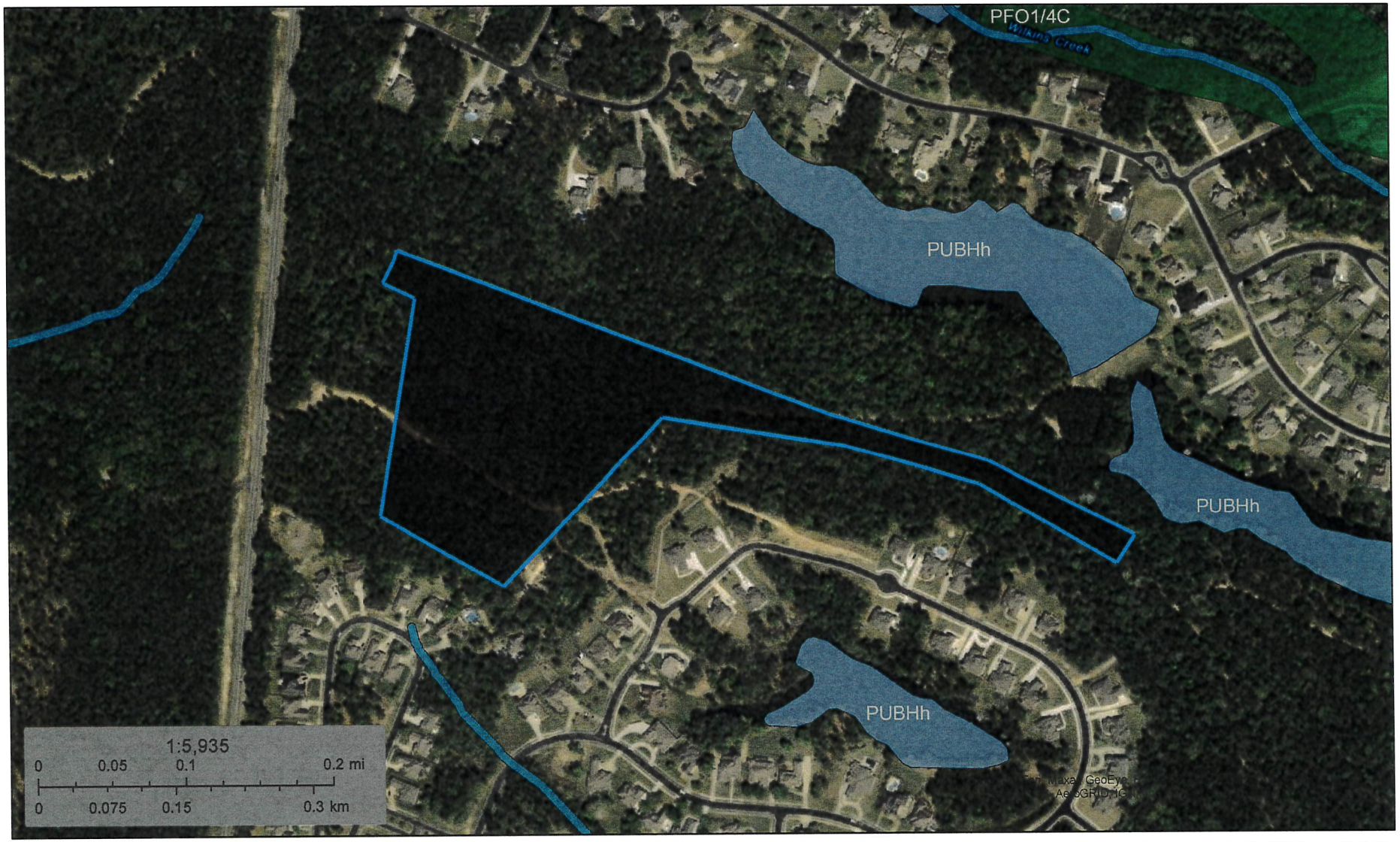
APPENDIX C

USFWS National Wetlands Inventory

U.S. Fish and Wildlife Service

National Wetlands Inventory

Dilworth-Spanish Fort



May 11, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

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APPENDIX D

Photos

Wetland Delineation Photos



Wetland W1



Wetland W2



Hydric Soils located in Wetland W2



Upland Soils located outside of Wetland W2

Wetland Delineation Photos



Old wetland delineation flagging located along Wetland W2 boundary.



Intermittent stream just outside the delineation boundary north of the site.

Wetland Delineation Photos



Wetland W3.



Old wetland flagging located inline with Wetland W3 boundary.

Wetland Delineation Photos



Hydric soils from wetland W3



Open Water 1 (OW1)

Wetland Delineation Photos



Wetland W4



Wetland W5 and Open Water (OW2)

Wetland Delineation Photos



Intermittent Stream S1



Wetland boundary flagging along Intermittent Stream S1



Linear Wetland W6



Linear Wetland W6

Wetland Delineation Photos



Wetland W6 (Southern End)



Existing culvert crossing located within Wetland W6

PRELIMINARY PLAT REVIEW CHECKLIST

CASE NAME: Northwoods Ph I

CASE NO. SPP21-00011 **JURISDICTION** County **BC PLANNING DISTRICT:** 10 **ZONING:** RSF-4

NUMBER OF LOTS OR UNITS: 28

REVIEWED BY: Mary Booth/Weesie Jeffords/Blakely Hall **DATE:** 12/3/21(1st), 12/14/21 (2nd), 1/19/22(3rd) , 1/24/22(4th)

PARCEL ID # 05-32-03-41-0-000-001.003 **PIN:** 100048

OWNER/DEVELOPER: Dilworth Development, Inc. **E-MAIL:** michael@dilworthdevelopment.com

PARCEL ID # 05-32-03-05-0-000-002.003 **PIN:** 222360

OWNER/DEVELOPER: Baldwin/225 LLC **E-MAIL:**

ENGINEER: Pinnacle Design Group, Inc., David Slocum, P.E. **E-MAIL:** dslocum@pinnacle-inc.net

SURVEYOR: PLS Group, Inc., Cory Rushing, Zachary J. Bradley **E-MAIL:** cory@plsgroupinc.com

Items reviewed by Highway are highlighted in green.

Items reviewed by ROW are highlighted in blue.

DISCLAIMER: Review annotations shown within this document are not necessarily official positions of the Planning and Zoning Department and are subject to change without notice.

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§ 4.5 Application for Preliminary Plat

4.5 **Pre-requisites** City Approval (Planning Jurisdiction) OR Sketch plan approval (non Planning Jurisdiction)		
☒N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments:		

Section 4.5.1 Application Procedure and Requirements

The applicant shall file an application for a Preliminary Plat with the Baldwin County Planning and Zoning Commission (by filing such application with the Baldwin County Planning Director). A complete application shall:

4.5.1(a) Be made on Preliminary Plat application forms available at the offices of the Baldwin County Planning Director		
☐N/A	☐ Accepted	☒ Revise and Resubmit CURED
Review Comments: There are two parcels with two different owners. Only one AAF was provided. Please upload the AAF for parcel ending 002.003 in the name of Baldwin/225 LLC.		

4.5.1(b) Be accompanied by the Preliminary Plat application fee according to the current schedule of fees established by the County Commission for the particular category of application		
☐N/A	☐ Accepted	☒ Revise and Resubmit CURED
Review Comments: Fee has not been received as of this review. Please remit payment in full in order to continue reviewing the case for placement on the January 6, 2022 Planning commission meeting agenda. Payment has been received.		

4.5.1(c) Be accompanied by 2 full-size sets of black or blueline prints of the proposed Subdivision Plat (the Baldwin County Planning Director, at his or her discretion may deem the submittal of printed plats unnecessary, as long as applied uniformly for all applicants)		
☒N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments: Electronic submission of files via Citizenserve satisfies this section.		

4.5.1(d) Be accompanied by a digital file of the proposed Subdivision Plat, in suitable format to the Baldwin County Planning Director		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Technical Review Annotations: Applicant must submit an Adobe pdf and dwg file (as appropriate) with every submittal because highway and ROW will require for their review.		
Review Comments:		

4.5.1(e) Be accompanied by a generalized drainage plan in accordance with Section 5.11.7, and written narrative that describes in detail the existing and proposed drainage patterns and characteristics of the proposed development as well as the proposed method of stormwater management to be used (if a full drainage plan is not required, please submit a written narrative explaining why a full drainage plan is not required)		
☐N/A	☒ Accepted	☐ Revise and Resubmit
P&Z Comments: Drainage document was submitted with application but will defer to Hwy for any additional comments. HWY Comments: Full plan received		

4.5.1(f) Be submitted to the Baldwin County Planning Director by the deadline established in 4.1.1(b) to be placed on a regularly scheduled meeting of the Baldwin County Planning and Zoning Commission		
☐N/A	☒ Accepted with comments	☐ Revise and Resubmit
Review Comments: Application was received on 11/2/2021 after the submittal deadline for the December 2021 meeting, therefore, has been tentatively scheduled for the January 2022 meeting.		

4.5.1(g) Be accompanied by a current (within 60 days from date of application) title policy, title opinion, title commitment or title report that verifies current ownership for a period of no less than 30 years		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Technical Review Annotations: Make certain the 30-year evaluation period is clearly identified in the report by some means.		
Review Comments:		

4.5.1(h) For subdivision developments proposing to utilize on-site septic systems, include a copy of documentation provided by the Baldwin County Health Department (usually a Notice of Intent and Preliminary Site Development Plan) or a letter stating the reasons the development is exempt from health department requirements		
☒N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments: BCSS will be the sewer provider		

4.5.1(i) Be accompanied by documentation that the proposed plat was submitted to each utility company providing a required utility (see Section 5.1.1 for required utilities) along with a written report from each documenting its ability and willingness to serve said development.		
☐N/A	☐ Accepted	☒ Revise and Resubmit CURED
Review Comments: supporting documentation from the utility provider acknowledging receipt of proposed plat was not provided with the written reports. Please provide correspondence to and from utility provider with acknowledgment		

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from utility provider that preliminary plat was provided to them for their review. Please include POC, phone number and email address if not included in correspondence.

4.5.1(j) Be accompanied by the Traffic Study and other information as required by Section 5.5.14		
☐N/A	☐ Accepted with comments	☒ Revise and Resubmit CURED
Intake Review Annotations: Developments of less than 50 lots or units do not require a traffic study unless required by the Baldwin County Highway Department. If Highway requires a traffic study for less than 50 lots or units, that determination will come about during the Technical Review.		
Technical Review Annotations: See section 5.5.14 for technical requirements of the traffic study.		
P&Z Comments: Defer to Hwy for any additional comments. Access will be to an ALDOT ROW and said improvements will be coordinated with ALDOT. Please see Hwy comments below and provide the required traffic impact study. Traffic Impact Study Summary NV5 completed a traffic study for the above referenced development on May 4, 2021. The study recommended three mitigation measures to accommodate both existing traffic and future build traffic: 1. Construct a northbound right-turn deceleration lane on SR 225 at the site driveway 2. Construct a southbound left-turn lane on SR 225 at the site driveway 3. Modify the traffic signal at the intersection of US 31 and SR 225 to add a protected overlap phase for the southbound right turn lane to coincide with the eastbound left turn movement. HWY Comments: Full TIS finished for review, both right and left turn lanes on 225 warrant into the site, and southbound right TL onto US 31 is recommended to mitigate the LOS at the major intersection to the south. Both these locations are the jurisdiction of ALDOT and will need to be coordinated with them.		

4.5.1(k) Be accompanied by a completed Subdivision Plat Application Submittal Checklist, and by a transmittal letter listing all of the drawings, letters, calculations, attachments, and other information submitted for the application.		
☒N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments: Submittal via Citizenserve satisfies this section.		

4.5.1(l) Be accompanied by documentation from E-911 Addressing approving all street names.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		

4.5.1(m) Be accompanied by a wetland delineation and Jurisdictional Determination if required pursuant to section 5.2.2.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: Fill may be used only where necessary to provide access to lots where approval for such fill has been received from the Corps of Engineers and other appropriate governmental agencies. Plat shows the wetlands with applicable setbacks and buffer and shows no indication of proposed fill. ***Wetland Delineation:*** **Findings** While onsite, we identified six wetlands and 2 open water areas along with one intermittent stream onsite and one intermittent stream offsite. We are of the opinion that the aforementioned areas are Jurisdictional "Waters of the United States" and cannot legally be filled or impacted without a U.S. Army Corps of Engineers (USACE) Section 404 Permit (Figures 2-4).		

§ 4.5.5 Subdivision Plat Requirements

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4.5.5 The proposed Subdivision Plat shall be prepared by a Licensed Professional Engineer or Land Surveyor registered in the State of Alabama. Clearly and legibly drawn at a convenient scale of not less than one (1) inch equals 100 feet, and the sheets shall be numbered in sequence if more than one (1) sheet is used. All text shall be a minimum of 1/10 of an inch in height. The sheet size shall not exceed 24 x 36 inches.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: PLS Group Inc., License #1067 Expires 01/31/2022		
4.5.5(a) Name and address of owner(s) of record and subdivider displayed, along with tax parcel ID number on each parcel that is part of the development.		
☐N/A	☐ Accepted	☒ Revise and Resubmit CURED
Review Comments: Owner of record on plat does not match tax records, please verify and update accordingly.		

4.5.5(b) Proposed name of subdivision, date, north point, and scale		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Technical Review Annotations: Location is handled separately below by the vicinity map.		
Review Comments:		

4.5.5(c) Name, address and phone number of responsible Licensed Professional Engineer and/or Land Surveyor registered in the State of Alabama		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		

4.5.5(d) Vicinity map showing location of the subdivision		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		

4.5.5(e) Exact boundaries of the tract of land being subdivided shown with bearings and distances		
☐N/A	☐ Accepted	☒ Revise and Resubmit
Review Comments: Please address any ROW comments as needed ROW Comments: Some bearings and distances still do not match each other between the legal description and plat. - see my mark ups. 3rd review comments: Please ROW review plat with comments to be addressed		
DISPOSITION OF COMMENT: Pinnacle Design Group David Slocum at dslocum@pinnacle-inc.net has submitted the following online message: Regarding the comments on the line labels not matching the legal description, we received this message from the surveyor: "They highlighted some labels and said it needed to match the legal. The Labels they highlighted were the record calls for the adjacent plat as indicated in the legend. The calls that correspond to the legal are referenced by the line label and table. If they would prefer us take off the original record information we can but according to the Alabama Standards of Practice for Surveying in the State of Alabama, it states you shall show any discrepancies between record and actual information		

4.5.5(f) Names, addresses and tax parcel ID #'s for the owners of land immediately adjoining the tract of land being subdivided as their names appear upon the plats in the office of the County Revenue Commissioner and as their addresses appear in the directory of the County or on the tax records of the County		
☐N/A	☐ Accepted	☒ Revise and Resubmit CURED
Technical Review Annotations: Show on the plat itself each lot/parcel adjoining subject property with the above information required. If not already provided, require the full tax parcel ID # for each property to be shown on the plat.		
Review Comments: Please address any ROW comments as needed		

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ROW Comments: Owner info does not match what is on Revenue. - couple addresses did not match Revenue records. I noted on plat. -- CURED

4.5.5(g) Wooded areas, streams, cultural resources, and any other conditions affecting the site		
☐N/A	☐ Accepted	☒ Revise and Resubmit CURED
Review Comments: Wetlands are shown with applicable setback and buffer and are not shown as being disturbed. Please identify as jurisdictional or non-jurisdictional.		

4.5.5(h) The location of existing streets, buildings, water courses, railroads, transmission lines, drainage structures, public utilities, jurisdiction lines, and any public utility easements on the tract being subdivided and on adjacent land within 100 feet of the tract being subdivided		
☐N/A	☐ Accepted	☒ Revise and Resubmit CURED
Technical Review Annotations: Reviewer will make a quick scan of aerial imagery to and note whether any items listed above appear to be missing. Also check the Title Search/Title Opinion/Title policy or Title Report for any recorded utility easements that may require reflection on the plat. ROW will conduct their own review to ensure County ROWs, etc. are properly displayed.		
P&Z Comments: Please address any ROW and HWY comments below as needed. ROW Comments: Show road/pavement & centerline for St Hwy 225. -- CURED HWY Comments: Shown on resubmittal		

4.5.5(i) The location of dams and water [manmade] impoundments including the limits of the top of such impoundment structure or embankment, the location of any related spillway(s) and/or outlet control structures		
☐N/A	☐ Accepted	☒ Revise and Resubmit CURED
Technical Review Annotations: The Baldwin County Highway Department may have additional review comments regarding these features.		
P&Z Comments: Defer to Hwy comments. If lot 6 is non-buildable, and is shown as a common area, should it be excluded from the lot numbering? HWY Comments: lot 6 is shown as common area on resubmittal – detention pond is noted to be constructed in common area on the drainage report		

4.5.5(j) Existing and proposed rights-of-way or easements including location, widths, purposes, and street widths and names		
☐N/A	☐ Accepted	☒ Revise and Resubmit CURED
Technical Review Annotations: Reviewer merely examines whether these items appear to be shown on the plat. The full technical review (whether the items are shown correctly) will be addressed elsewhere.		
Review Comments: Please indicate if R/W will be public or private. 3rd Review Comments: Please add 'public' to the ROW on the plat		
DISPOSITION OF COMMENT:		

4.5.5(k) Proposed lot lines with bearings and distances, square footage or acreage of each lot and lot and block numbers		
☐N/A	☒ Accepted	☒ Revise and Resubmit CURED
Technical Review Annotations: Prior practice has been to require both acreage and square footage of each lot to be shown on the plat.		
Review Comments: Please include square footage Area table added to plat with SQ FT and acres for each lot		

4.5.5(l) Proposed minimum building setback lines shown for each lot and *clearly labeled* on the plan view		
☐N/A	☐ Accepted	☒ Revise and Resubmit CURED

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Technical Review Annotations: The reviewer will examine whether the setbacks are displayed, properly labeled, and technically accurate.
Review Comments: **12/15/21** – Please show the wetland setbacks under the Minimum Building Setbacks. Also, please label the wetland setbacks for Lots 17/18 and 22/23.

4.5.5(m) Proposed parks, school sites, or other public open spaces, if any		
☒N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments:		

4.5.5(n) Site data: 1. Acreage in total tract 92.45 acres (parent tract) 16.75 (total tract) 2. Smallest lot size 0.34 acre / 14,670.65 SF 3. Total number of lots 25 4. Linear feet in streets 1,963 (indicate public or private) CURED, will be public 5. Minimum building setbacks (front 30 rear 30 side 15 street side 15 *) 6. Zoning District and Zoning Classification (if applicable). District 10, Zoned RSF-4		
☐N/A	☐ Accepted	☒ Revise and Resubmit CURED
Review Comments: please indicate if roads will be public or private CURED, will be public 2nd Review Comments: district number is missing from Site Data, please add		
DISPOSITION OF COMMENT:		

4.5.5(o) Any area within the proposed subdivision subject to inundation by the 100-year flood as defined herein, or subject to periodic inundation by storm drainage overflow or ponding, shall be clearly shown and identified on the plat		
☒N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments: Flood Zone "X"		

4.5.5(p) Special flood hazard areas (100-year flood) and/or coastal high hazard areas as indicated on the latest Flood Insurance Rate Map (FIRM) for the area, along with a statement to that effect		
☒N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments: Flood Zone "X"		

4.5.5(q) All wetlands. The required thirty-foot wetland building setback (with the included fifteen-foot natural buffer), for jurisdictional wetlands. All wetlands to be filled shall be labeled as "To be filled"		
☐N/A	☐ Accepted	☒ Revise and Resubmit CURED
Technical Review Annotations: Check both the Baldwin County potential wetlands layer and USFWS National Wetland Inventory maps for the presence of any wetlands. If wetlands are shown on the generalized wetlands map (potential wetlands layer) the reviewer should examine the wetland delineation/determination provided by the applicant. If applicant did not provide, review should request a delineation prepared by a qualified delineator. Once a delineation is in-hand, reviewer may request further input from the County Natural Resource Planner if there are substantial differences between potential wetlands layer and the delineation. 1. If the delineation prepared by the qualified delineator **indicates** the presence of jurisdictional wetlands, the regs automatically require a USACE determination. 2. If the delineation prepared by the qualified delineator **does not indicate** jurisdictional wetlands but on review County staff believes a determination is necessary due to various site conditions, staff may require a determination. We expect to use this measure sparingly and will rely heavily on the Natural Resource Planner in making these decisions.		

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Review Comments: Wetlands are shown with applicable setback and natural buffer and indicated as to not be filled. Please indicate if jurisdictional or non-jurisdictional. CURED 2nd Review Comments: Please add the jurisdictional wetlands proposed to be filled and label as "To be filled" 3rd Review Comments: Please add 'To be filled' CURED
DISPOSITION OF COMMENT:

4.5.5(r) The name of each utility company proposed to provide service		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		

4.5.5(s) Topography, showing existing contours at 1- foot intervals of the entire property and full width of all adjacent rights-of-ways. Topographic information shall be based on the NAVD 88 datum. Elevations must be field verified. Greater intervals may be allowed, if approved by the Baldwin County Planning Director or his/her designee		
☐N/A	☐ Accepted	☐ Revise and Resubmit
Intake Review Annotations: Confirm that a contour map was furnished and use the Intake Review E-mail to request this item if missing.		
Review Comments: not shown on plat		

Review Comments:
4.5.5(t) Highway construction setback (HCS) lines shown as required by Section 5.4(h) hereof.
☐N/A ☐ Accepted ☒ Revise and Resubmit
Technical review Annotations: Reviewer merely examines whether these items appear to be shown on the plat. The full technical review (whether the items are shown correctly) will be addressed in section 5.4.
Review Comments: Please note the HCS setback as measured from the centerline of the right of way of Hwy 225 is 100'. The minimum building setback will be the same line as the HCS if the HCS is greater than the minimum building setback line and shall be reflected on the preliminary plat as the building setback line. Please update the side setback for Lot 1 accordingly. 4th Review Comments: This has not been revised and needs to be revised to reflect 'building setback' instead of 'highway setback'
DISPOSITION OF COMMENT: Highway setback labels have been changed to 'Building Setback'

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§5.1 Minimum Standards

5.1.1 Minimum Design Standards All subdivisions approved pursuant to these regulations shall adhere to the requirements set forth in the matrix made a part of this section.

All non-exempt subdivisions approved pursuant to these regulations shall adhere to the requirements set forth in the matrix made a part of this section.

Minimum Standards for Subdivision

Lot Size*	Required Utilities	Roadway Type	Minimum Lot Width	Curb and Gutter	Side-walk†	~~Approval Body~~Broadband Connectivity	Building Front Setback††	Building Rear Setback††	Building Side Setback††
≥ 40,000 SF	overhead power	BCDS**	120 feet	no	no	~~Baldwin County Commission~~ § 5.2.5(c) shall not apply	30	30	10
20,000 SF to 40,000 SF	overhead power, either water or sewer	BCDS**	120 feet	no	no	§ 5.2.5(c) shall not apply	30	30	10
20,000 SF to 40,000 SF	underground power, either water or sewer	BCDS**	80 feet	yes, if new roads proposed	~~No~~yes, if new roads proposed	§ 5.2.5(c) shall apply if new roads proposed	30	30	10
7,500 SF to 20,000 SF	underground power, street lights, water, and sewer	BCDS**	60 feet	yes, if new roads proposed	yes, if five lots or more	§ 5.2.5(c) shall apply if new roads proposed	30	30	10

* The more strict minimum lot size between Section 5.4(a) and this table shall apply

** Baldwin County Design Standards for New Road Construction

† Sidewalk Options:

~~1. side walk on each side min. 5 feet wide~~

~~2. side walk on one side min. 8 feet~~

~~3. 8 feet road side side walk with striping~~

1. Sidewalk on each side - minimum 5-foot wide.
2. Sidewalk on one side - minimum 8-foot wide.
3. Pedestrian lane on road - minimum 8-foot wide.

†† In zoned areas of Baldwin County, the setbacks of the Baldwin County Zoning Ordinance shall apply. For non-residential subdivisions in unzoned areas see Section 5.4(g).

☐N/A ☐ Accepted ☒ Revise and Resubmit CURED

Review Comments: Please note this review is only for the 28 lots as submitted. The letter provided by the Spanish Fort Fire – Rescue Inspector indicates a fire pump to meet the required water flow cannot be approved. Additionally, the Water Availability Report indicates additional infrastructure may be required to provide adequate domestic water use and fire protection. If a letter cannot be provided to satisfy the requirements of 5.2.5(a)(1), and adequate fire flows do not exist and/or cannot be provided, the minimum lot size must be increased as though public water is not being provided. Please refer to table in Section 5.1 1 for the minimum lot size requirements. Please provide a letter that water for both domestic use and fire protection will be provided or modify the plat with applicable lot size requirements per 5.1.1.

12/14/21 – This item remains deficient. Comment received from applicant is 'Communication between the developer and the fire department is ongoing.'

2nd Review Comments: Applicant has provided the following response:

I have uploaded a document, (see the screenshot below) showing that we found a solution to the fire issue. There are 2 lots at the front of the subdivision that are not within range of an adequate hydrant, but those lots are greater than 80' wide and more than 20,000 SF (per the Subdivision Regulations Section 5.4.a.2 since there will be a centralized

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wastewater collection system). We are still working on getting a letter from the Fire Department, but are expecting one in the next few days and I will upload it.

01/05/22	Online Document Upload	hydrant spacing.pdf	This plan showing hydrant locations meets flow and pressure requirements, lot size requirements, and spacing requirements. We have been trying to get in touch with Anthony Lee from Spanish Fort Fire Department for several days to obtain his approval, but have gotten no response. We will send an approval letter as soon as we receive it.

3rd Review Comments: Letter provided from Spanish Fort Fire-Rescue indicates the calculations appear to meet the 2015 IFS requirements and are continued on the subdivision being supplied with a 12-inch water line and other applicable specs. If these specs are not met, the required fire flow and coverage may not meet the code requirements. This should be addressed during the construction plan review by Hwy.

DISPOSITION OF COMMENT:

§5.2 General Requirements

5.2.1 Plats Straddling Jurisdictional Boundaries Whenever access to a subdivision is required across land in another local government planning jurisdiction, the Baldwin County Planning and Zoning Commission may request assurance from the County Engineer, or his/her designee, or other appropriate official, that the access road is adequately improved as per Section 5.5.7, or that surety has been duly executed and is sufficient in amount to assure the construction of the access road.

☒N/A ☐ Accepted ☐ Revise and Resubmit

Annotations: Rare condition, if found to be applicable, alert the Development Review Planner.

Review Comments:

5.2.2 Wetlands and Waterways

- Lots may be platted only where sufficient upland areas exist to provide a building site for the principal structure and necessary ancillary facilities, unless the purpose of the lot is for conservation and no development or building shall occur.
- Fill may be used only where necessary to provide access to lots where approval for such fill has been received from the Corps of Engineers and other appropriate governmental agencies.
- The building setback line from jurisdictional wetlands shall be 30 feet, within which a minimum 5-foot natural buffer shall be provided upland of all jurisdictional wetlands.

☐N/A ☒ Accepted with comments ☐ Revise and Resubmit

Technical Review Annotations: Note, that in zoned areas, the allowable density of wetland areas is reduced by 50%. See Zoning Ordinance 12.11.2. NOTE: Figure 2 on pages 23-19 and 23-20 of the zoning ordinance specifies some, but not all zoning classifications with a density restriction.

Review Comments: Wetlands are shown with applicable setback and buffer and are not shown as being disturbed. The density reduction for RSF-4 is N/A.

5.2.2(a) Wetland and/or Stream Delineation-

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If a proposed subdivision contains wetlands or a stream or is within thirty feet of wetlands or a stream, as shown of the Generalized Wetland map the applicant must perform a wetland and/or stream delineation showing jurisdictional and non-jurisdictional wetlands and/or streams within the subdivision boundaries. The wetland delineations shall be performed by a professional wetland delineator.
☐N/A ☒ Accepted ☐ Revise and Resubmit
Annotations:
Review Comments:

5.2.2 (b) Jurisdiction Determination and ADEM Permitting (i) Jurisdictional Determination and USACE 404 Permit- If jurisdictional wetlands are identified in the required delineation and proposed to be filled to provide necessary access to lot, the wetlands shall be subject to Section 404(b)(1) guidelines concerning fill material disposal into jurisdictional wetlands and USACE permit shall be required. A USACE Jurisdictional Determination shall be submitted with the application and Preliminary Plat approval shall be contingent on receipt of the applicable USACE permits.
☐N/A ☐ Accepted with comments ☒ Revise and Resubmit CURED
Annotations:
Review Comments: No fill is proposed, and applicable wetland setbacks and buffers are indicated. Please indicate jurisdictional or non-jurisdictional on the plat.

5.2.2 (b) Jurisdiction Determination and ADEM Permitting (ii) Alabama Department of Environmental Management Permitting (1) In coastal areas, an ADEM Coastal Area Management Program (Division 335-8) permit may also be required. If an ADEM permit is required, Preliminary Plat approval shall be contingent on receipt of the applicable permit. (2) Wetlands contained on any property parcel located wholly or partially in the coastal area of Alabama are subject to the regulatory requirements of ADEM Admin. Code 335-8-2-.02 including those wetlands determined to be "non-jurisdictional" by the U.S. Army Corps of Engineers. The term "coastal area of Alabama" generally means the waters and adjacent shorelands lying seaward of the continuous 10-foot contour. Applicants are responsible for communicating with ADEM to determine whether or not a proposed development lies within the coastal area of Alabama.
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations:
Review Comments:

5.2.2 (b) Jurisdiction Determination and ADEM Permitting (iii) If wetland fill and/or stream modification is not proposed, the Baldwin County Planning Director may, at his or her discretion, require the applicant to submit an USACE Jurisdictional Determination after documenting the following: 1. A site visit by a Baldwin County Planning and Zoning Staff member revealed potential wetlands on the site that differ significantly from the delineation supplied by the Applicant 2. A review of the Generalized Wetland Map reveals potential wetlands on the site that differ substantially from the delineation supplied by the Applicant; or 3. Knowledge of historic stormwater problems in and around the site area. When a jurisdictional determination is deemed necessary above in this subsection (ii), the Planning Director may, in lieu of a jurisdictional determination, accept a second wetland delineation prepared by a professional wetland delineator who is not affiliated with the specialist responsible for the original delineation.

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☐N/A	☐ Accepted with comments	☒ Revise and Resubmit CURED

Annotations:

Review Comments: Fill is proposed for access to the lots and the wetlands will be subject to Section 404(b)(1) and a USACE permit shall be required. A USACE Jurisdictional Determination shall be submitted with the application and Preliminary Plat approval shall be contingent on receipt of the applicable USACE permits.

12/14/21 – Comment received from applicant is that permit is in progress.

2nd Review Comments: As previously mentioned, please show the jurisdictional wetlands proposed to be filled and label "To be filled". Please note the preliminary plat approval may be given with condition that no construction can commence until the Corps Permit has been received. This will be addressed during the construction plan review as well.

3rd Review Comments: Please add 'To be filled'

DISPOSITION OF COMMENT:

5.2.2 (c) Filling of Existing Stormwater Management Areas – Where a proposed subdivision contains existing stormwater management areas, which may include non-jurisdictional wetlands, hydric soil areas, existing water features, ditches, etc., that contribute to the stormwater management of the site, the existing stormwater management areas shall not be filled unless comparable and equivalent stormwater management is provided as part of the development and approved by the County Engineer.

The Planning and Zoning Department shall not regulate or protect non-jurisdictional wetlands when comparable and equivalent stormwater management is to be provided.

☒N/A	☒ Accepted with comments	☐ Revise and Resubmit

Annotations:

Review Comments: As mentioned elsewhere in this review checklist wetland areas to be filled are not identified, however it does not appear any non-jurisdictional stormwater management areas are proposed for filling.

5.2.2 (d) Display of Wetlands and Existing Stormwater Management Areas on Plat or Site Plan

(i) For jurisdictional wetlands not proposed to be filled, the Applicant shall display a thirty-foot wetland building setback, within which a minimum 15-foot natural buffer shall be provided upland of all jurisdictional wetlands. Wetlands to be filled shall be displayed as "To be filled" along with USACE permit number

☐N/A	☐ Accepted with comments	☒ Revise and Resubmit CURED

Annotations:

Review Comments: Wetlands are shown with the applicable 30' building setback with 15' natural buffer. Please indicate jurisdictional or non-jurisdictional on the plat.

5.2.2 (d) Display of Wetlands and Existing Stormwater Management Areas on Plat or Site Plan

(ii) Existing stormwater management areas, which may include non-jurisdictional wetlands, hydric soil areas, existing water features, ditches, etc., that contribute to the stormwater management of the site and are not proposed to be replaced with comparable and equivalent stormwater management shall be protected with a 5-foot natural buffer and a note indicating that the area shall not be filled or modified.

☐N/A	☒ Accepted with comments	☐ Revise and Resubmit

Annotations:

Review Comments: As mentioned elsewhere in this review checklist wetland areas to be filled are not identified, however it does not appear any non-jurisdictional stormwater management areas are proposed for filling. Wetlands are shown with the applicable 30' building setback with 15' natural buffer.

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5.2.2 (e) In a minor subdivision (five lots or less with no infrastructure) where no development is proposed, in lieu of a wetland and/or stream delineation and USACE Jurisdictional Determination, the Planning Director may allow the Applicant to display on the plat those wetlands from the Generalized Wetland Map (provided by the Baldwin County Planning and Zoning Department) along with a 50-foot wetland building setback, and the following plat note: "Any future subdivision or development of lots shall comply with the wetland requirements of the Subdivision Regulations or Zoning Ordinance applicable at the time of such future subdivision or development, which may include completing a wetland delineation and USACE Jurisdictional Determination."
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations:
Review Comments:

5.2.2 (f) Display of Waterways on the Plat or Site Plan – For jurisdictional streams, the Applicant shall display a thirty-foot minimum natural buffer from top of bank on both sides of the waterway. When wetlands are adjacent to a stream, the stricter (most protective) of the two setback and/or buffer requirements shall apply. These buffers shall be flagged prior to project implementation and protected by appropriate measures during all construction phases. No development other than for recreational purposes shall take place within the waterway natural buffer.
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations:
Review Comments:

5.2.3 Subdivision Name The proposed name of the subdivision shall not duplicate, or too closely approximate phonetically, the name of any other subdivision in the area covered by these regulations. The Baldwin County Planning and Zoning Commission shall have final authority to designate the name of the subdivision which shall be determined at the time of Preliminary Plat approval.
☐N/A ☒ Accepted ☐ Revise and Resubmit
Review Comments: Verified in AS400

5.2.4(a) Maintenance of Waterbodies, Watercourses and Impoundments • If a tract being subdivided contains a water body, or portion thereof, the ownership of and responsibility for safe maintenance of the water body shall be such that it will not become a County responsibility. • No public roadways will be approved which provide access across dams.
☐N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations: This includes both manmade and natural waterbodies. Most likely going to be creeks, rivers, ponds, and lakes.
Review Comments:

5.2.4(b) Maintenance of Waterbodies, Watercourses and Impoundments Dams or impoundments including impoundment embankments and the entire spillway and outlet structure along with access at least 20 feet in width to each end of the embankment and outlet structure shall be retained in a common area. Maintenance of such structures shall be the responsibility of the developer or property owner's association. Under no circumstances shall Baldwin County assume such maintenance responsibility.
☐N/A ☐ Accepted with comments ☒ Revise and Resubmit
Annotations: P&Z will review for proper display on plat, etc. Highway may have comments associated with its drainage review or potential impacts to roadways it maintains.
P&Z Comments: Please address Hwy comments accordingly HWY Comments: Detention area is noted in common area on plat
DISPOSITION OF COMMENT: Hwy acknowledged comment has been addressed above, but it has not been marked as CURED.

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§ 5.2.5 Utilities

All existing and proposed utility facilities throughout the subdivision shall be shown on the Construction Plans required by Section 4.5.6 of these Regulations. All pressurized underground utility lines located under pavement shall be encased, except for service lines less than 2" in diameter. Minimum cover must be provided over all utility lines as required by the County Engineer. All proposed utilities shall comply with the provisions of the Baldwin County Highway Department Utility Manual, as the same may be amended

5.2.5(a) Water System

(1) *Subdivisions with Density Greater than 2 Units per Acre.* Every subdivision with lot density greater than 2 units per acre shall connect to an existing public water supply system capable of providing both domestic water use and fire protection when the existing system borders the subdivision or the system is within one half mile of the subject property and the utility has submitted a statement that they are willing and able to provide service.

(2) *Subdivisions with Density of Less than or Equal to 2 Units per Acre.* Every subdivision with lot density less than or equal to 2 units per acre shall connect to an existing public water supply system capable of providing both domestic water use and fire protection when the existing system borders the subdivision and the utility has submitted a statement that they are willing and able to provide service.

(3) Where public water service exists, or is installed, fire protection shall be provided for all proposed lots. The water supply volumes and pressures shall be sufficient to serve the subdivision. The design engineer shall submit written report and calculations that include recent flow rate tests of the existing water system that verify the adequacy of the fire protection being provided. A letter must be submitted from the local fire protection authority, indicating that the proposed volumes and pressures are sufficient. If adequate fire flows do not exist and cannot be provided, the minimum lot size must be increased as though public water is not being provided as per Section 5.4(a). The following standards shall apply to the fire protection system:

- Fire hydrants shall be spaced no more than 500 feet apart along each street;
- A fire hydrant shall be located within 500 feet of all proposed lots;
- A fire hydrant shall be provided within 100 feet of where all new roads intersect with existing county roads;
- All fire hydrants shall have a minimum barrel size of 5 inches;
- The water system shall meet all requirements of the current ISO Fire Suppression Rating Schedule Paragraph 340, 614 and 620.A for obtaining full credit.

☐N/A ☐ Accepted with comments ☒ Revise and Resubmit CURED

P&Z Comments: Please provide a letter from the local fire protection authority indicating that the proposed volumes and pressures are sufficient. If adequate fire flows do not exist and cannot be provided, the minimum lot size must be increased as though public water is not being provided as per Section 5.4(a)

12/14/21 – Outstanding deficiency: A letter from the local fire protection authority indicating the proposed volumes and pressures are sufficient has not been provided. If this letter cannot be provided, the minimum lot size shall be increased as though public water is not provided.
Pinnacle Design Group David Slocum at dslocum@pinnacle-inc.net has submitted the following online message: We are still coordinating between the developer and the fire department on the fire pump.

2nd Review Comments: This letter is required and will be placed as a condition of approval on the preliminary plat. CURED

3rd Review Comments: Letter provided from Spanish Fort Fire-Rescue indicates the calculations appear to meet the 2015 IFS requirements and are continued on the subdivision being supplied with a 12-inch water line and other applicable specs. If these specs are not met, the required fire flow and coverage may not meet the code requirements. This should be addressed during the construction plan review by Hwy.

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DISPOSITION OF COMMENT:

5.2.5(b) Sanitary Sewer System

(1) Connection to a sanitary sewer system is required only when necessary to meet the lot size requirements of Section 5.4(a) and when necessary to comply with the utility requirements as specified in the Matrix shown in Section 5.1.1 of these regulations. When sanitary sewer is installed, sewer stub-outs, shall be provided for each lot and shall extend to the property line of the said lot.

(2) If no sanitary sewer system is provided, on-site disposal systems may be used after approval is received from the Health Department.

☐N/A	☒ Accepted with comments	☐ Revise and Resubmit
P&Z Comments: Baldwin County Sewer Service will be the sewer provider.		

5.2.5(c) Provision of Broadband Service

If required in Section 5.1.1 of these regulations, the Applicant shall ensure that reliable, high-speed broadband connectivity (minimum 25 megabits per second download speed and 25 megabits per second upload speed) is made available at each lot in the development. The requirements of this section can be accomplished during the Preliminary Plat approval by provision of a letter from a broadband provider certifying that they are willing and able to provide marketable service at the minimum required speeds to each lot in the subdivision. Upon a showing by the Applicant that 1) no broadband providers are willing to provide service to the proposed subdivision or 2) that costs associated with the provision of the broadband service are unreasonable, the Planning Commission may waive the requirements of this section. A letter from the Applicant explaining the need for the waiver shall be made part of the file.

The requirements of this section can be accomplished during the Final Plat approval by provision of a letter from a broadband provider certifying that marketable broadband service, at the minimum required speeds, is available at at least one lot in the subdivision. The Applicant shall act in good faith to coordinate with the broadband provider for the installation of the required infrastructure during the construction phase. Upon a showing by the Applicant that the broadband provider failed to install the required fiber infrastructure or failed to provide the required letter, despite the good faith efforts of the Applicant, the Planning Director may waive the requirements of this section as it related to the Final Plat approval. A letter from the Applicant explaining the need for the waiver shall be made part of the file and shall be made part of the record under Old Business in a forthcoming Planning Commission meeting.

The Planning Commission shall have broad discretion in determining whether the granting of a waiver above is appropriate.

☐N/A	☒ Accepted with comments	☐ Revise and Resubmit
P&Z Comments: Letter of intent provided by Mediacom.		

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5.2.5(c) Utilities - Easements

An easement, a minimum of 15 feet wide on the rear and/or side lot lines shall be provided for utilities as required by the utility providers and/or the Baldwin County Planning and Zoning Commission. Proper coordination shall be established between the applicant and the applicable utility companies for the establishment of utility easements. Unless otherwise required by a specific utility provider, utility and drainage easements should generally be indicated on Preliminary Plats and Final Plats exclusively with a note similar to the following.

DRAINAGE/UTILITY EASEMENTS
EXTERNAL REAR AND SIDE BOUNDARY LOT LINES: 15 FEET INTERIOR REAR AND SIDE LOT LINES: 7.5 FEET

Unless requested by a utility company or by Planning and Zoning staff for clarity purposes, drainage and utility easement boundary lines generally should not be displayed in the plan view on Preliminary Plats and Final Plats.

☐N/A ☐ Accepted with comments ☒ Revise and Resubmit CURED

Annotations: ROW will provide comments on existing easements as it deems appropriate.
Cross-reference section 5.11.6 for similar requirements for drainage easements. Current practice allows utilities and drainage easements to be "split" along interior rear and interior side lot lines as allowable. Drainage and utilities easements may run concurrently with Building Setback Lines (BSL).

P&Z Comments: Drainage and Utility Easements should not be located within the building setback lines. Please adjust accordingly.
ROW Comments: Shown.

§ 5.3 Where a lot and block layout is proposed the following criteria shall be used:

5.3(a) Blocks shall have sufficient width to provide for 2 tiers of lots. Exceptions to this prescribed block width shall be permitted in blocks adjacent to expressways, arterials, railroads, or waterways where single tier lots are required to separate residential development from through vehicular traffic or nonresidential uses.

☒N/A ☐ Accepted with comments ☐ Revise and Resubmit

Annotations: Lot and Block layouts are becoming less common – mark "N/A" if blocks are not requested.

Review Comments:

5.3(b) Blocks shall not exceed 1500 feet in length nor be less than 500 feet in length on any side.

☒N/A ☐ Accepted with comments ☐ Revise and Resubmit

Annotations: Lot and Block layouts are becoming less common – mark "N/A" if blocks are not requested.

Review Comments:

5.3(c) Blocks For those blocks which exceed 800 feet in length, the Baldwin County Planning and Zoning Commission may require the reservation of an easement, not to exceed 50 feet in width, through the block to accommodate utilities, drainage facilities, or pedestrian traffic.

☒N/A ☐ Accepted with comments ☐ Revise and Resubmit

Annotations: Lot and Block layouts are becoming less common – mark "N/A" if blocks are not requested.

Review Comments:

5.3(d) Blocks Pedestrian ways or crosswalks not less than 10 feet wide may be required by the Baldwin County Planning and Zoning Commission through the center of blocks more than 800 feet long where deemed essential to provide circulation or access to schools, playgrounds, shopping centers, transportation, or other community facilities. Blocks designed for industrial uses shall be of such length and width as may be determined suitable by the Baldwin County Planning and Zoning Commission for prospective use.

☒N/A ☐ Accepted with comments ☐ Revise and Resubmit

Annotations: Lot and Block layouts are becoming less common – mark "N/A" if blocks are not requested.

Review Comments:

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§ 5.4 Lots shall comply with the following requirements:

5.4(a) The minimum lot size and lot width for non-exempt subdivisions shall be as provided in section 5.1.1

The minimum lot size and width for exempt subdivisions are as follows except in cases where additional lot area or width is required by the *Baldwin County Zoning Ordinance* or County Health Department;

1. Where public water and centralized wastewater collection and treatment are not provided, said lot shall be a minimum of **40,000** square feet in area with a minimum lot width of 120 feet.

2. Where a lot is served by either public water or a centralized wastewater collection and treatment system, but not both, said lot shall be a minimum of **20,000** square feet in area with a minimum lot width of 80 feet.

3. Where public water and centralized wastewater collection and treatment are provided, said lot shall be a minimum of **7,500** square feet in area with a minimum lot width of 60 feet.

☐N/A ☐ Accepted with comments ☒ Revise and Resubmit CURED

Review Comments: See comments in 5.2.5(a) and update accordingly.

12/14/21 – Outstanding deficiency: If adequate fire flows do not exist and cannot be provided, the minimum lot size must be increase as though public water is not being provided per Section 5.4(a)
Pinnacle Design Group David Slocum at dslocum@pinnacle-inc.net has submitted the following online message: We are still coordinating between the developer and the fire department on the fire pump.

2nd Review Comments: As previously mentioned, this letter is required and will be placed as a condition of preliminary plat approval. CURED

3rd Review Comments: Letter provided from Spanish Fort Fire-Rescue indicates the calculations appear to meet the 2015 IFS requirements and are continued on the subdivision being supplied with a 12-inch water line and other applicable specs. If these specs are not met, the required fire flow and coverage may not meet the code requirements. This should be addressed during the construction plan review by Hwy.

DISPOSITION OF COMMENT:

5.4(b) Lots The final subdivision plats shall establish that each lot has satisfactory access to a street as provided in Section 5.5.7: Frontage on Improved Roads.

☐N/A ☒ Accepted ☐ Revise and Resubmit

Annotations: Here the reviewer is only checking that each lot fronts a road. The adequacy of the road is examined in 5.5.7.

Review Comments: Lots will access proposed new internal road, Northwoods Boulevard.

5.4(c) Lots Where land is subdivided into parcels larger than 10 acres, other than ordinary building lots, such parcels shall be arranged so as to allow for the opening of future streets and logical further re-subdivision.

☐N/A ☒ Accepted ☐ Revise and Resubmit

Annotations: Here reviewer is making sure that no landlocked lots are created.

Review Comments:

5.4(d) Lots Lot sizes of properties reserved or laid out for commercial and industrial purposes shall provide for off-street parking and loading for the use contemplated.

☒N/A ☐ Accepted with comments ☐ Revise and Resubmit

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Annotations: In zoned areas, a possible comment is the following: "Please provide document demonstrating that adequate off-street and loading/unloading parking exists as required by Article 15 of the Zoning Ordinance." In un-zoned areas, similarly, request a document except refer to engineering best practices for parking requirements instead of the zoning ordinance.
Review Comments: None proposed.

5.4(e) Lots Double frontage lots shall be avoided, except where essential to provide separation of residential development from traffic arterials, or to overcome specific disadvantages of topography or orientation.		
☒N/A	☐ Accepted with comments	☐ Revise and Resubmit
Annotations: If double frontage lots encountered discuss with Development Review Planner.		
Review Comments:		

5.4(f) Lots Side lot lines should be at right angles to streets, except on curves where they should be radial.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Annotations: Note that this section states "should" and not "shall."		
Review Comments:		

5.4(g) Lots In areas which have elected to come within the zoning authority of the Baldwin County Commission, minimum setbacks from property lines shall meet or exceed the applicable setbacks established by the Baldwin County Zoning Ordinance. In **residential** subdivisions outside the zoning authority of the Baldwin County Commission, the minimum setbacks from property lines shall be as set forth in the Development Matrix contained in Section 5.1.1 of these Regulations. In **non-residential** subdivisions outside the zoning authority of the Baldwin County Commission, the minimum setback from property lines shall be: • from the front and rear lot line, **25 feet** • from the side lot line, **10 feet** • from the side which abuts a street, **20 feet**		
☐N/A	☒ Accepted with comments	☐ Revise and Resubmit
Annotations:		
Review Comments: Proposed subdivision is zoned RSF-4 and meets the minimum 30/30/10 setbacks		

5.4(h) Lots In accordance with Act No. 94-572 of the Legislature of Alabama enacted April 21, 1994, the following construction setbacks shall apply from any state or county road or highway:

1. Principal arterials require a 125-foot setback from the centerline of the right-of-way;
2. Minor arterials require a 100-foot setback from the centerline of the right-of-way;
3. Major collectors require a 75-foot setback from the centerline of the right-of-way and;
4. Minor collectors require a 50-foot setback from the centerline of the right-of-way;
5. All other paved roads require a 40-foot setback from the centerline of the right-of-way;
6. Unpaved roads require a 30-foot setback from the margin of the right-of-way.

No permanent structure shall be erected or constructed within the designated construction setback. The following is a non-exhaustive list of items that are either exempt or not considered permanent structures under the Highway Construction Setback law.

1. Billboards
2. Utility structures such as poles, utility lines, and other utility structures
3. Non-permanent structures permitted within the required construction setback Signs
4. Access drives or roads
5. Overflow parking in excess of required parking spaces
6. Landscaping
7. Fences
8. Portable accessory structures such as a yard shed
9. Sidewalks & bike paths

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The following is a non-exhaustive list of permanent structures that are prohibited within the required construction setback.

1. Any permanent structure not specifically permitted above.
2. Buildings
3. Houses
4. Decks or porches
5. Mobile homes
6. Below-ground swimming pools
7. Drainage detention or retention structures
8. Septic tanks
9. Gas pumps
10. Underground storage tanks
11. Required parking spaces

(i) A nonconforming lot or parcel is a lot or parcel which fails to meet the dimensional requirements (i.e., minimum lot area, width, frontage etc.) of these Subdivision Regulations (or the Zoning Ordinance for zoned areas) but was lawfully created according to Alabama State Law or was otherwise a lot of record prior to the effective date of the subdivision regulations or any amendments thereto and has been determined to be vested.

1. Any nonconforming lot or parcel may be used as a building site.

2. A nonconforming lot or parcel in a zoned area must comply with permitted uses and other standards as described in the zoning ordinances.

No portion of a lot shall be sold or subdivided in a manner which does not comply with the lot width and area requirements established by these Subdivision Regulation (or the Zoning Ordinance for zoned areas). A nonconforming lot may be increased in size even if such increase does not allow the lot to meet the minimum lot width and lot area requirements established by these Subdivision Regulation (or the Zoning Ordinance for zoned areas). Furthermore, the adjoining lot or lots, from which the land is removed to create the increase to the subject lot, shall not become nonconforming or increase in nonconformity.

Should a government agency obtain, after the effective date of this amendment, a portion of a conforming lot for public purposes and thereby create a nonconforming lot, it may be possible to erect or construct, on said lot, the principal and accessory structures otherwise authorized provided that all other requirements of these Subdivision Regulation (or the Zoning Ordinance for zoned areas) are met.

☐N/A ☐ Accepted with comments ☒ Revise and Resubmit

P&Z Comments: The HCS setback is 100' from centerline of right of way on Hwy 225. The side setback for Lot 1 should not be less than the HCS line. Please adjust accordingly and make a note on the Site Data table for setbacks that differ or include note (or as shown on the plat). The BSL should be labeled.

HWY Comments: minor revision to name what is shown as the HCS as the building setback. This is still shown as HCS and needs to be labeled Building Setback Line

3rd Review Comments: Please make sure the Highway Construction Setback is labeled as Building Setback Line

Since the building setback line for Hwy 225 is greater than the typical lot setbacks, please add 'or as otherwise shown' under the Minimum Building Setbacks.

4th Review Comments: 3rd Review Comments have not been addressed. Please update accordingly

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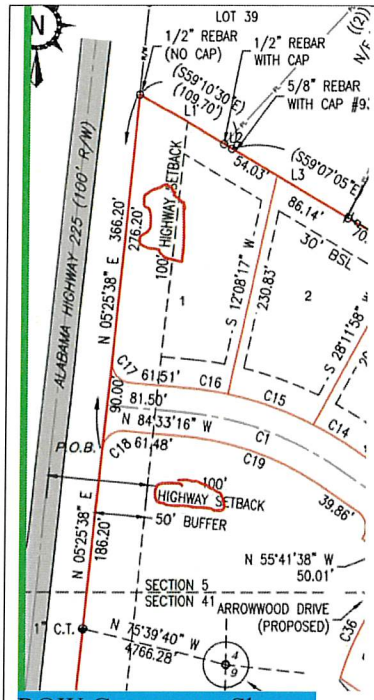

ROW Comments: Shown.

DISPOSITION OF COMMENT: Highway setback labels have been changed to 'Building Setback'

§ 5.5 Minimum Development Standards

The following provisions shall govern street layout in all non-exempt subdivisions:

5.5.1 Private Streets

Private streets *may* be approved only by the Baldwin County Commission provided that

(a) they are constructed according to the standards of these regulations; and

(b) prior to the issuance of a Preliminary Plat,

(1) the Baldwin County Planning and Zoning Commission has otherwise approved the issuance of a Preliminary Plat and

(2) the County Engineer has advised the Baldwin County Commission that private streets are appropriate for the subdivision under consideration.

If the application for a Preliminary Plat for any subdivision proposing to contain private streets otherwise complies with the requirements of these Subdivision Regulations, such application shall be approved by the Baldwin County Planning and Zoning Commission, subject to subsequent approval by the Baldwin County Commission. If the application for a Preliminary Plat is approved by the Baldwin County Planning and Zoning Commission, the Baldwin County Planning Director or Baldwin County Engineer will prepare a Commission Agenda Item and shall certify to the Baldwin County Commission whether the application meets the submittal requirements as specified in this Article. No Preliminary Plat shall be issued or effective for any subdivision proposing to contain private streets until the construction of such private streets has been approved by the Baldwin County Commission.

In the event that the Baldwin County Commission does approve a private street, the developer shall install, at a minimum, street signs in accordance with Section 5.9 (Signage for Subdivisions).

The following statement shall be shown on the Final Plats:

"All roads and rights-of-way shown on this plat are PRIVATE, and are not subject to maintenance by Baldwin County, and the owners of all lots shall bear the expense of maintaining all private streets."

☐N/A ☐ Accepted with comments ☒ Revise and Resubmit CURED

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Annotations: Should be noted on plat if private streets are requested. If so, Highway concurrence will be required prior to submission of a request to the Baldwin County Commission for approval of a private road.
P&Z Comments: Please indicate if the streets are intended for public or private use. HWY Comments: plat shown streets are public 3rd Review Comments: Please show as (50' Public R/W)
DISPOSITION OF COMMENT:

5.5.2 Private Reserve Strips Private reserve strips controlling access to streets shall be prohibited, unless approved by the County Engineer or his/her designee or the Baldwin County Commission to limit access to Collectors or Arterials in accordance with the procedures established in § 5.5.1 of these regulations.		
☒N/A	☐ Accepted with comments	☐ Revise and Resubmit
Annotations:		
Review Comments: None appear to be proposed.		

5.5.3 Additional Width on Existing Roads Subdivisions that adjoin existing streets with inadequate rights-of-way, inadequate pavement width as would otherwise be required by these regulations or inadequate construction standards shall, as a condition to subdivision approval, modify such adjoining streets to be in compliance with these regulations.		
☒N/A	☐ Accepted with comments	☐ Revise and Resubmit
Annotations: P&Z will generally defer entirely to Highway and ROW on this section.		
P&Z Comments: HWY Comments: N/a ROW Comments: N/A		

5.5.4 Street Names Proposed streets, which are obviously in alignment with others existing and named, shall bear the assigned name of the existing streets. All proposed streets shall be given a name. In no case shall the names of proposed streets duplicate or be phonetically similar to existing street names, as listed in the Baldwin County E-911 Address Database, irrespective of the use of the suffix street, avenue, boulevard, drive, place, court, etc. Street names are subject to the approval of E-911 Addressing. • All applications involving new streets shall be accompanied by a letter from the E-911 Addressing office indicating the names of the approved street names.		
☐N/A	☐ Accepted with comments	☒ Revise and Resubmit CURED
Annotations: Check street stubs and entrances to make certain they are also named streets, which are easily overlooked when plats are created.		
Review Comments: Road name reservation received from E-911 with the following proposed road names: Northwoods Boulevard, Arrowwood Drive, Firecracker Drive, Kinzie Lane, Branchwater Lane, & Longshadow Court. Northwoods Boulevard is indicated on the plat as the proposed road name for Phase I. Roads should be shown on the plat as approved by E-911, please update accordingly. (i.e, Northwoods Blvd is shown on plat but approved as Northwoods Boulevard)		

5.5.5 Half Streets and Half Alleys No new half-streets or half-alleys shall be platted.		
☒N/A	☐ Accepted with comments	☐ Revise and Resubmit
Annotations: This section is possibly obsolete and will likely be N/A.		
Review Comments:		

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§ 5.5.6 This section is intentionally omitted.

§ 5.5.7 Frontage on Improved Roads

5.5.7(a) **Frontage on Improved Roads** No subdivision shall be approved unless all resultant lots have frontage on, and continuous access from: 1. An existing paved street, either publicly or privately maintained, with suitable asphalt width and right-of-way as required by the Baldwin County Design Standards for New Road Construction, (attached as Appendix 4); or 2. A proposed paved street upon a plat approved by the Baldwin County Planning and Zoning Commission or municipal planning commission to be recorded in the Baldwin County Probate Judge's Office. Such street or highway shall be suitably improved as required by these regulations or be secured by an improvement guarantee as provided for by Section 7.2 of these subdivision regulations.
☐N/A ☒ Accepted with comments ☐ Revise and Resubmit
Annotations:
P&Z Comments: Lots are platted to front on a proposed paved street. HWY Comments:

5.5.7(b) Frontage on Improved Roads Subdividers proposing subdivision developments that obtain access from existing publicly maintained roads which **do not have adequate asphalt and/or right-of-way widths** will be **required** to make improvements to the existing roadways and **provide additional rights-of-way** to adhere to the standards of the Baldwin County Design Standards for New Road Construction (attached as Appendix 4); or 5.5.7(c), below
☐N/A ☒ Accepted with comments ☐ Revise and Resubmit
Annotations:
P&Z Comments: Lots are platted to front on a proposed paved road with 50' right of way. HWY Comments: ROW Comments: N/A

5.5.7(c) Frontage on Improved Roads If a proposed subdivision is proposed to gain access from a privately maintained street, the applicant shall provide a letter from the entity responsible for maintaining the private street as evidence of the approval of such owner.
☒N/A ☐ Accepted with comments ☒ Revise and Resubmit CURED
Annotations:
Review Comments: Please indicate if the proposed road will be public or privately maintained.

§ 5.5.8 Topography and Arrangement – for Baldwin County HWY Dept review

5.5.8(a) Topography and Arrangement- Street standards are contained in the Baldwin County Design Standards for New Road Construction (attached as Appendix 4).
☐N/A ☒ Accepted with comments ☐ Revise and Resubmit
Annotations:
HWY Comments: Street does not exceed the maximum slope for new roads.

5.5.8(b) Topography and Arrangement- All proposed streets shall be properly integrated with the existing system of streets.
☐N/A ☒ Accepted with comments ☐ Revise and Resubmit
Annotations:
HWY Comments: N/a - additional phases proposed will need to construct accordingly

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5.5.8(c) Topography and Arrangement- All arterials shall be properly related to specific traffic generators such as industries, business districts, schools, churches, and shopping centers; to population densities; and to the pattern of existing and proposed land uses.
☐N/A ☒ Accepted with comments ☐ Revise and Resubmit
Annotations:
HWY Comments: All residential with no other shown or proposed higher traffic generators

5.5.8(d) Topography and Arrangement- Local streets shall be laid out to conform as much as possible to the topography, to discourage use by through traffic, to permit efficient drainage and utility systems, and to require the minimum number of streets necessary to provide convenient and safe access to property.
☐N/A ☒ Accepted with comments ☐ Revise and Resubmit
Annotations:
HWY Comments: N/a - Street has no outlet connections

5.5.8(e) Topography and Arrangement- In business and industrial developments, the streets and other access ways shall be planned in connection with the grouping of buildings, location of rail facilities, and the provision of alleys, truck loading and maneuvering areas, and walks and parking areas so as to minimize conflict of movement among the various types of traffic, including pedestrian.
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations:
HWY Comments: N/a

§ 5.5.9 Access to Adjacent Roads

5.5.9(a) Access to Adjacent Roads If a subdivision or proposed development contains lots adjacent to interior streets, such lots shall only be accessed by those adjacent interior streets. Access from such lots to exterior streets shall not be granted when access is provided by adjacent interior streets.
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations:
Review Comments:

5.5.9(b) Access to Adjacent Roads Where a subdivision borders on existing collectors or arterials or contains proposed collectors or arterials, access to such collectors or arterials shall be limited by one or more of the following means to provide for the protection of properties, and to afford separation of through and local traffic: (1) Where the rear lot line of a subdivided lot is adjacent to a collector or arterial, no access to the lot shall be permitted from the collector or arterial. In such cases, the primary means of access to the lot shall be from a local interior street; (2) A series of cul-de-sacs, U-shaped streets, or short loops entered from and designed at right angles to such a parallel street, with the rear lines of such lots being adjacent to the collector or arterial; (3) A marginal access or service road (separated from the collector or arterial by a planting or grass strip and having access thereto at suitable points); (4) A common driveway as per Section 5.5.17 *Common Driveways*.
☐N/A ☒ Accepted with comments ☐ Revise and Resubmit
Annotations: P&Z defers the Highway Department entirely on this section.
HWY Comments: All lots to access internal street

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5.5.9(c) Access to Adjacent Roads Multiple road accesses may be required by the Baldwin County Planning Director or County Engineer, or his/her designee, to improve traffic safety and circulation.
☐N/A ☒ Accepted with comments ☐ Revise and Resubmit
Annotations: P&Z defers the Highway Department entirely on this section.
HWY Comments: emergency accesses or full accesses to be required in future phases

§ 5.5.10 Excess Right-of-Way or Easements Right-of-way or easement widths in excess of the standards designated in these regulations shall be required whenever, due to topography and in the opinion of the County Engineer or his/her designee, additional width is necessary to accommodate excess fill slopes or cut slopes.
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations: P&Z defers the Highway Department entirely on this section.
HWY Comments: N/a

§ 5.5.11 Railroads, Arterials, and Major Thoroughfares

Railroad rights-of-way, arterials, and expressways where so located as to affect the subdivision of adjoining lands shall be treated as follows:

5.5.11(a) Railroads, Arterials, and Major Thoroughfares In **residential** developments, a buffer strip at least 25 feet in depth, in addition to the normal depth of the lot required, shall be provided adjacent to the railroad right-of-way, arterial or expressway. This strip may be part of the platted lots and shall be designated on the plat: *"This strip is reserved for screening. The placement of structures hereon is prohibited"*
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations:
Review Comments:

5.5.11(b) Railroads, Arterials, and Major Thoroughfares In areas proposed for business, commercial, or industrial uses, the nearest street extending parallel or approximately parallel to the **railroad** shall, wherever practical, be at a sufficient distance there from to ensure suitable depth for commercial or industrial sites;
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations:
Review Comments:

5.5.11(c) Railroads, Arterials, and Major Thoroughfares Streets parallel to the railroad when intersecting a street which crosses the railroad at grade shall, to the extent practical, be at a distance of at least 150 feet from the railroad right-of-way. Such distance shall be determined with due consideration of the minimum distance required for future separation of grades by means of appropriate approach gradients.
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations:
Review Comments:

§ 5.5.12 Cul-de-sacs

5.5.12(a) Cul-de-sacs • **Permanent dead-end streets shall not exceed 1,320 feet (1/4 mile) in length.** • Permanent dead-end streets with a pavement width of 20 feet or less shall be provided with a turnaround having a roadway diameter of at least 70 feet and a right-of-way diameter of at least 100 feet. • Permanent dead-end streets with a pavement width of more than 20 feet shall be provided with a turnaround having a roadway diameter of at least 80 feet and a right-of-way diameter of at least 100 feet.

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• If medians and/or islands are proposed in the cul-de-sacs, a minimum of 25-foot-wide driving surface shall be maintained at all points around said cul-de-sac.
☐N/A ☐ Accepted with comments ☒ Revise and Resubmit
Review Comments: P&Z will defer to Hwy comments HWY Comments: length of Northwoods BLVD is 1963.7 - provide one stub out from side street for area to turn around Revisions did not change to include one of the stub out streets to meet this requirement 3rd Review Comments: Please address Hwy comment above.
DISPOSITION OF COMMENT: Firecracker Dr. street stub has been extended to meet this requirement

5.5.12(b) Cul-de-sacs • Temporary dead-end streets greater than 200 feet in length are required to have a temporary turnaround constructed of an all-weather surface at least 70 feet in diameter and have an easement or right-of-way at least 100 feet in diameter. • Said temporary turnaround shall be graded properly to drain and be maintained by the developer until the roadway is continued. • If adjacent property is not owned by the developer or no other Preliminary Plat is approved at the time of final inspection, a permanent cul-de-sac shall be required.
☐N/A ☒ Accepted with comments ☐ Revise and Resubmit
Review Comments: P&Z will defer to Hwy comments HWY Comments: Temporary turnaround provided and note is added to plat for maintenance

5.5.12(c) Cul-de-sacs For roads stubbed out to adjacent property not providing access to lots and less than 200 feet in length, no turn-around is required, unless deemed necessary by the County Engineer or his/her designee. Appropriate traffic control devices, as per the latest edition of the MUTCD, are required and barricades may be required by the County Engineer or his/her designee.
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Review Comments: HWY Comments:

§ 5.5.13 Intersections Street intersections shall be laid out as follows:

5.5.13(a) Intersections Streets shall be laid out so as to intersect as nearly as possible at right angles. A proposed intersection of 2 new streets at an angle of less than 75 degrees shall not be acceptable. An oblique street shall be curved approaching an intersection and should be approximately at right angles for at least 100 feet there from. Not more than 2 streets shall intersect at any one point.
☐N/A ☒ Accepted ☐ Revise and Resubmit
Review Comments:

Sections § 5.5.13(b) through (h) shall be reviewed by the Baldwin County Highway Department

§ 5.5.14 Traffic Study Requirements

5.5.14 Traffic Study Requirements For proposed subdivisions (a) containing 50 lots or more, (b) phases or additions that increase the total number of lots within a subdivision to 50 or more, or (c) which in the opinion of the County Engineer will generate Average Daily Traffic of 500 trips or more, the applicant shall have a traffic study performed for the proposed development. After consultation with the Planning Director, the County Engineer will define the scope of the traffic study. The County Engineer shall determine the improvements required to be made by the developer along with the other subdivision

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improvements. The Developer will perform the Traffic Study using the services of a qualified traffic engineer preapproved by the County Engineer. This study will be submitted simultaneously with the subdivision application. All studies shall be in accordance with the Traffic Impact Study Requirements of Baldwin County Commission. See Appendix 6 or latest approved version. All recommendations of the study will be considered as the minimum conditions required for the subdivision to be approved. However, the County Engineer, reserves the right to require improvements within the County Right-Of-Way that the study indicates are not warranted. At all times the applicant can choose to bypass the study and accept the improvements required by the County as conditions of subdivision approval. • For subdivision developments containing less than 50 lots the applicant may be required to submit current (within 12 months) traffic counts of the links adjacent to the proposed development. Deceleration, Acceleration and/or Left-turn lanes or other roadway improvements may be required by the County Engineer. • If turn-lanes are required or otherwise proposed the standards from the current Alabama Department of Transportation Permit Manual shall be used as a minimum.
☐N/A ☒ Accepted with comments ☐ Revise and Resubmit
Annotations: P&Z defers technical review entirely to Highway. The Baldwin County Highway Department will provide technical review of the Traffic Study according to the criteria in Appendix 6. This section is included to determine if a traffic study is required for the development.
P&Z Comments: HWY Comments: coordinate with ALDOT for access and roadway improvements

§ 5.5.15 Perimeter Streets

5.5.15 Perimeter Streets Street systems in new subdivisions shall be laid out so as to eliminate or avoid new perimeter half-streets. Where an existing half-street is adjacent to a new subdivision, the other half of the street shall be improved and dedicated by the applicant.
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations:
Review Comments:

§ 5.5.16 Street Elevations – to be reviewed by the Baldwin County Highway Department

§5.5.17 Common Driveways

5.5.17 Common Driveways (a) Where lots will access an existing publicly maintained road that is classified as a collector or an arterial, common driveways shall be used to minimize the number of curb cuts, driveways, or other accesses required unless an alternate access under § 5.5.9(b) is approved by the County Engineer. (b) The maximum number of lots that may be served by a common driveway shall be 2. (c) Common driveways shall be contained within a private ingress/egress easement labeled as such on the Final Plat. Said easement shall be of sufficient width (minimum of 30 feet) to contain the common driveway and provide ingress and egress. (d) The Final Plat of a subdivision in which common driveways are utilized shall contain the following notation: "The portion of the common driveway outside the public right-of-way as shown hereon is private and will not be maintained by Baldwin County." (e) If common driveways are proposed or required, they shall be installed by the developer prior to the Final Plat being signed by the County Engineer for recording. (Section 7.2 Financial Guarantee of Performance will not be allowed for

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this construction.) An "Industrial/Commercial/Residential Multiunit Right-of-Way Access and Drainage Impact Permit" is required prior to construction. (f) Maintenance of common driveways located on private property shall be the responsibility of all property owners whose property is served thereby.
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations: BC HWY DEPT in their review will specify if residential driveway permits are available in lieu of common driveways on an existing road.
P&Z Comments: HWY Comments: N/a

§ 5.6 Street Design Standards All streets within the jurisdiction of these regulations shall be constructed in accordance with the Baldwin County Design Standards for New Road Construction (Appendix 4). Typical roadway sections and profiles shall be approved by the County Engineer, or his/her designee, and shall be shown in the construction plans.
☐N/A ☒ Accepted with comments ☐ Revise and Resubmit
Annotations:
Review Comments: HWY Comments: this is to be reviewed with construction plan review

§ 5.7 Sidewalks

5.7 Sidewalks (e) All sidewalks which are to be located within the subdivision shall be constructed prior to final plat approval. No Certificate of Occupancy shall be issued for a structure situated upon a lot until the portion of any required sidewalk adjacent to such lot has been completed or repaired and approved by the County Engineer or his/her designee.
Review Comments: For the applicant's information.

§ 5.7 Sidewalks (f) All sidewalks shall be in accordance with current A.D.A. requirements.
Review Comments: For the applicant's information.

§ 5.7 Sidewalks (g) All sidewalk crossings shall be installed by the developer prior to final plat approval and shall be inspected for compliance with A.D.A. requirements
Review Comments: For the applicant's information.

§5.5.8 Medians / Islands

5.8 Medians/Islands Medians and islands may be used, provided that vehicular travel is not hindered or restricted and that the effective centerline meets all geometric requirements. All medians or islands shall be completely surrounded by curbing to protect the areas from vehicular encroachment. Medians and islands shall be graded to provide positive drainage to either a storm inlet or to the roadway surface. Medians and islands intended to be landscaped or provide some other decorative or recreational function shall be recorded on the Final Plat as Common Area. In all cases, a clear zone of at least 6 feet must be provided from the edge of pavement. Clear zones must be maintained at all roadway intersections and be in accordance with the Baldwin County Design Standards for New Road Construction. Striping and additional signage may be required in order to maintain safe traffic circulation.

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☐N/A	☒ Accepted with comments	☐ Revise and Resubmit
Annotations: Reviewed by both HWY and P&Z Staff.		
P&Z Comments: HWY Comments: None shown		

§ 5.11.6 Dedication of Drainage System Easements

5.11.6(a) General Requirements. Where a subdivision is traversed by a watercourse, drainage way, channel, or stream, there shall be provided a stormwater or drainage easement conforming substantially to the lines of such water course, and of such width and construction or both as will be necessary for the purpose as determined by the County Engineer or his designee. Easement width must allow for maintenance access.		
☐N/A	☐ Accepted with comments	☐ Revise and Resubmit
Annotations:		
Review Comments:		

5.11.6(b) Drainage Easements. Where topography or other conditions are such as to make impractical the inclusion of drainage facilities within road rights-of-way, common areas with perpetual unobstructed easements at least 20 feet in width for such drainage facilities shall be provided across property outside the road lines and with satisfactory access to the road. All existing and proposed easements shall be clearly indicated in the plan view of the proposed subdivision as depicted in the application for Preliminary Plat and Final Plats. Such easements will vary in width according to depth of structure. Where drainage facilities are adjacent to public rights-of-way or public property, no fence, hedgerow or other obstruction may be placed in such a manner as to obstruct access to the drainage facilities from such public right-of-way or public property. A note shall be added to the Final Plat that specifies the maintenance responsibilities of any drainage easements and common areas. The note shall also include a statement that Baldwin County will not be responsible for maintenance of said common areas or drainage easements.		
☒N/A	☐ Accepted with comments	☐ Revise and Resubmit
Annotations:		
Review Comments: HWY Comments: N/a		

5.11.6(c) Side and Rear lot lines. A minimum 15-foot (total width) drainage easement shall be provided along all side and rear lot lines to allow for the proper drainage of stormwater from both rear yards and off-site areas. The required 15-foot easement width on interior lot lines may be achieved by splitting the required width between both sides of an interior line so long as a total width of 15 feet is maintained. Drainage easements should generally be indicated on Preliminary Plats and Final Plats exclusively with a note similar to the following: DRAINAGE/UTILITY EASEMENTS EXTERNAL REAR AND SIDE BOUNDARY LOT LINES: 15 FEET INTERIOR REAR AND SIDE LOT LINES: 7.5 FEET Unless requested by Planning and Zoning staff for clarity purposes, drainage and utility easement boundary lines generally **should not** be displayed in the plan view on Preliminary Plats and Final Plats.		
☐N/A	☐ Accepted with comments	☒ Revise and Resubmit CURED
Annotations:		
Review Comments: The Drainage/Utility Easements as indicated by note will be in the external side setback for Lot 1. Additionally, if Phase II is not proposed prior to final plat approval of Phase I, the side setbacks should be adjusted so the Drainage/Utility Easements are not within the side setback for Lots 14 & 15. This will result in a side setback of 15' for any lot with an external side lot line. Additionally, any lot that has setbacks along the street shall have a minimum setback per the HCS. These are all proposed local roads with a 50' ROW. The building setback line will be 40' from centerline, so minimum side street setback will be 15'. Please adjust accordingly for all applicable lots. BSL should be labeled on the plat.		

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§ 5.12.2(e) and (f) Minimum Requirements for Stormwater Detention/Retention and Design Criteria

5.12.2(e) General Location Retention/detention facilities shall be located within the parcel limits of the project under consideration. No retention/detention or ponding will be permitted within public road rights-of-way or within the Highway Construction Setback Line as per Act No. 94-572 of the Legislature of Alabama. Location of retention/detention facilities off-site will be considered by special request if proper documentation is submitted with reference to practicality, feasibility and proof of ownership or right-of-use of the area proposed. No retention/detention facility shall be located in jurisdictional wetlands. Any existing onsite areas that currently retain stormwater shall be preserved within common areas and in their current state. If approved by the County Engineer, a developer may fill in said areas if there are no jurisdictional wetlands involved, and if similar storage capacity is provided onsite and in the same drainage basin. In locations where the discharge from a development will be directly into a tidally influenced body of water, the County Engineer may consider waiving the stormwater management requirement, upon request by the design engineer. The County Engineer has the sole discretion of whether or not this will be allowed. This will not alleviate the developer from any erosion/sedimentation control requirements or requirements of other governmental agencies. However, the development will be required to control velocities of stormwater leaving the site.
☐N/A ☐ Accepted with comments ☒ Revise and Resubmit
P&Z Comments: HWY Comments: No detention or stormwater management areas shown on plat but drainage report does indicate that runoff will be mitigated through the creation of a pond. Minor increases (less than 4 inch maximum rise) in the elevation of pond are expected up to the 100year storm event. 2nd Review Comments: Lake Analysis was provided and will be reviewed by Hwy to provide any additional comments as needed.
DISPOSITION OF COMMENT: The detention pond is now labeled on the plat, but this comment is not shown as CURED.

5.12.2(f) Common Area It is required that retention/detention- facilities and open swales (ditches) along with access to those facilities shall always be located in common areas. Projects developed under these procedures shall establish (in the recorded plat) common areas for the retention/detention facilities and include provisions for maintenance in the Trust Indentures.
☐N/A ☐ Accepted with comments ☒ Revise and Resubmit CURED
P&Z Comments: HWY Comments: meets requirements

§ 5.14 Special Requirements for Nonresidential Subdivisions

In addition to the principles and standards in these regulations which are applicable to the planning of all subdivisions, the applicant shall demonstrate to the satisfaction of the Baldwin County Planning and Zoning Commission and the County Engineer that the street, parcel, and block pattern proposed is specifically adapted to the uses anticipated and takes into account other uses in the vicinity. The following principles and standards shall be observed.

5.14 (a) Special Requirements for Nonresidential Subdivisions Proposed nonresidential street layout, blocks, and parcels shall be suitable, in area and dimensions, for the types of development anticipated.
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations:
Review Comments:

5.14 (b) Special Requirements for Nonresidential Subdivisions Streets carrying nonresidential traffic, especially truck traffic, shall not be extended to the boundaries of adjacent existing or potential residential areas, nor connected to

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streets intended for predominantly residential traffic, but shall be connected insofar as is possible to expressways, arterial, or collector streets in such a way that the number of intersections with such expressways, arterial, or collectors shall be minimized.
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations:
P&Z Comments: HWY Comments: N/a

5.14 (c) **Special Requirements for Nonresidential Subdivisions** Street rights-of-way and pavement shall be in accordance with the Baldwin County Design Standards for New Road Construction (attached as Appendix 4), to accommodate the type and volume of traffic anticipated to be generated thereon.
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations:
P&Z Comments: Highway Comments: N/a

5.14 (d) Special Requirements for Nonresidential Subdivisions The applicant shall insure that the nonresidential subdivision as a whole may be self-sufficient with regard to providing necessary off-street parking. The applicant may make parking self-sufficiency a requirement of individual lots.
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations:
Review Comments:

5.14 (e) Special Requirements for Nonresidential Subdivisions With respect to physical improvements, special requirements may be imposed by the Baldwin County Planning and Zoning Commission with the advice of the County Engineer, or his/her designee, within the nonresidential subdivision.
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations:
Review Comments:

5.14 (f) Special Requirements for Nonresidential Subdivisions Every effort shall be made to protect adjacent residential areas from potential nuisances from nonresidential subdivisions, including the provision of extra depth in parcels backing up on existing or potential residential developments and provision for a permanently landscaped buffer strip when necessary.
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations:
Review Comments:

5.14 (g) Special Requirements for Nonresidential Subdivisions Nonresidential subdivisions shall adhere to Section 5.11 Drainage Systems, Section 5.12 Stormwater Detention/Retention Management and Section 5.13 Erosion and Sedimentation. The applicant may make drainage self-sufficiency a requirement of individual lots.
☒N/A ☐ Accepted with comments ☐ Revise and Resubmit
Annotations:
Review Comments:

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§ 5.19 Additional Regulations Applicable in Flood Prone Areas

5.19 Additional Regulations Applicable in Flood Prone Areas This section (5.19) is applicable only in flood prone areas within the County. Flood-prone areas shall include those areas within the boundaries of the Flood Insurance Rate Map (FIRM) established by FEMA as a Special Flood Hazard Area (100 year flood). The determination of whether a subdivision is subject to this section shall be made based on the map(s) in effect at the time of the submittal of the initial application.		
☒N/A	☐ Accepted with comments	☐ Revise and Resubmit
Annotations:		
Review Comments:		

5.19.1 Land within Floodways and Flood Prone Areas may be subdivided only in compliance with the Baldwin County Flood Damage Prevention Ordinance, these regulations, and all applicable federal, state and local regulations. Any plat approving the subdivision of land within a Floodway or Flood Prone Area shall contain the following statement: "All or part of the property contained within this subdivision lies in a Floodway or Flood Prone Area as determined by the Federal Emergency Management Agency's Federal Insurance Rate Map. Purchasers of property within this subdivision are advised that the construction of improvements may be subject to additional insurance requirements and building regulations."		
☒N/A	☐ Accepted with comments	☐ Revise and Resubmit
Annotations:		
Review Comments:		

Supplemental Comments - Highway ☒ Revise and Resubmit
Annotations: Please provide any additional comments below
Review Comments: One stub street or mid-roadway bulb should be provided to keep Northwoods Blvd. 1963ft (sub-regs only allow for permanent dead-end streets to be 1,320ft or less.) At this time, the PRD is not approved on the adjoining property and this requirement cannot be waived
DISPOSITION OF COMMENT:

Supplemental Comments – ROW
Annotations: Please provide any additional comments below
Review Comments: Certifications are not required for Preliminary Plat. - When do final plat, make sure to provide certifications and dedications. Note if roads are private within subdivision.

Supplemental Comments – P&Z ☒ Revise and Resubmit
Annotations: Please provide any additional comments below
Review Comments: Please address any supplemental ROW or Highway comments as needed. 3rd Review Comments: It appears that the "non-buildable" common area is where the pond is according to the drainage report but is not called out with the plat. Please update accordingly.
DISPOSITION OF COMMENT:

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Table 7-1 Baldwin County Phase II MS4 MCM3

Construction Site Stormwater Runoff Control Strategies and Goals

NPDES Permit Section	SWMPP Section	7-Construction Site Stormwater Runoff Control Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-3a	*7.4*	Plan Review & Permitting-Subdivision & Zoning Ordinance Erosion Control Sections	*Within the County's MS4 Boundary, review subdivisions & zoning applications for compliance with the County's Erosion Control Ordinance & ADEM's NPDES General Construction Permit, track and submit data in annual SWMPP report.*	*Sediment, Oils, Paints, & Trash*	*P&Z*

2025/2026	Document/Form	Description
	Permit Application Online	Environmental Questions/Attachments
		Permit Acronyms
		CSP-Commercial Site Plan,
		FLD-Unzone Flood Land Disturbance, ZLD Zoning Land Disturbance,
		ZSP-Zoning Site Plan, CPR-Subdivision Construction Permit
Reviews		
Permit#	**Issue Date**	**Address**
BPR25-003416	01/05/2026	27780 STAYDAR CIR LOT 14
BPR25-003417	01/05/2026	27839 STAYDAR CIR LOT 18
BPR25-003448	01/05/2026	27796 STAYDAR CIR LOT 12
BPR25-003450	01/05/2026	27867 STAYDAR CIR LOT 20
BPR25-003476	01/06/2026	27788 STAYDAR CIR LOT 13
BPR25-003477	01/06/2026	27759 STAYDAR CIR LOT 57
BPR25-003472	01/07/2026	28178 TURKEY BRANCH DR
ZSP26-000004	01/09/2026	25757 AUSTIN RD
BPR25-003130	01/12/2026	19247 BOOTHE RD
BPR25-003257	01/12/2026	45 GENERAL CANBY DR
BPR25-003475	01/12/2026	27882 ISLA LN LOT 26
BPR26-000031	01/14/2026	27772 STAYDAR CIR LOT 15
ZLD26-000005	01/15/2026	18825 SCENIC HWY 98
BPR26-000066	01/16/2026	27773 STAYDAR CIR LOT 16
BPC25-000283	01/21/2026	14146 US HWY 90
BPC25-000284	01/21/2026	27986 STAYDAR CIR
BPR26-000074	01/21/2026	27825 STAYDAR CIR LOT 17
BPR26-000092	01/26/2026	27898 ISLA LN LOT 25

Table 7-1 Baldwin County Phase II MS4 MCM3

Construction Site Stormwater Runoff Control Strategies and Goals

Permit#	Issue Date	Address
BPR26-000096	01/26/2026	27859 ISLA LN LOT 31
BPR26-000089	01/27/2026	27895 STAYDAR CIR LOT 22
BPR26-000091	01/27/2026	14240 PALK AVE LOT 24
BPR26-000093	01/27/2026	27866 ISLA LN LOT 27
BPR26-000094	01/27/2026	27850 ISLA LN LOT 29
BPR26-000095	01/27/2026	27851 ISLA LN LOT 30
BPR26-000097	01/27/2026	27865 ISLA LN LOT 32
BPR26-000098	01/27/2026	27897 ISLA LN LOT 34
BPR26-000099	01/27/2026	27533 STAYDAR CIR LOT 44
BPR26-000111	01/27/2026	27675 STAYDAR CIR LOT 51
BPR26-000108	01/28/2026	27547 STAYDAR CIR LOT 45
BPR26-000109	01/28/2026	27575 STAYDAR CIR LOT 47
BPR26-000110	01/28/2026	27589 STAYDAR CIR LOT 48
BPR26-000142	01/28/2026	27858 ISLA LN LOT 28
BPR26-000143	01/28/2026	27881 ISLA LN LOT 33
BPR26-000145	01/28/2026	27561 STAYDAR CIR LOT 46
BPR26-000149	01/28/2026	27731 STAYDAR CIR LOT 55
ZSP25-000102	01/28/2026	10892 ROANOKE LOOP
BPR26-000112	01/29/2026	27717 STAYDAR CIR LOT 54
BPR26-000144	01/29/2026	14214 PALK AVE LOT 35
BPR26-000147	01/29/2026	27689 STAYDAR CIR LOT 52
BPR26-000148	01/29/2026	27703 STAYDAR CIR LOT 53
BPR26-000146	01/30/2026	27615 STAYDAR CIR LOT 50
BPR26-000177	01/30/2026	27603 STAYDAR CIR LOT 49
BPR26-000178	01/30/2026	27745 STAYDAR CIR LOT 56
BPR26-000185	01/30/2026	14802 COUNTY RD 66
CSP26-000001	02/05/2026	17280 SCENIC HWY 98
ZLD25-000118	02/05/2026	18825 SCENIC HWY 98
BPR26-000271	02/06/2026	38 SPECKLE TROUT RTE LOT 21
SRP25-000021	02/06/2026	
BPR26-000204	02/09/2026	19041 SCENIC HWY 98
BPR26-000272	02/09/2026	25208 FAIRFAX RD LOT 35
ZLD26-000011	02/09/2026	0 2ND ST
BPR25-001196	02/10/2026	17276 POLO RIDGE BLVD LOT 7
CPR25-000022	02/13/2026	9844 MILTON JONES RD

Table 7-1 Baldwin County Phase II MS4 MCM3

Construction Site Stormwater Runoff Control Strategies and Goals

Permit#	Issue Date	Address
SRP26-000002	02/13/2026	
BPR25-002681	02/19/2026	7063 GABEL ST
ZLD26-000026	02/27/2026	8148 MANLEY RD
ZLD25-000113	03/16/2026	108 WICKER WAY
BPR25-002673	03/20/2026	18417 SCENIC HWY 98
BPR26-000906	03/24/2026	7179 SUNSREIGN DR
BPR26-000189	03/26/2026	14393 CO RD 66
BPR26-000447	03/26/2026	23812 2ND ST LOT 1
BPR25-000744	04/03/2025	5625 BATTLES AVE
BPR25-000686	04/10/2025	21376 S MEADOWS DR
BPR25-000708	04/10/2025	21376 S MEADOWS DR
BPR25-000760	04/10/2025	5625 BATTLES RD
BPR25-000757	04/17/2025	11324 ELYSIAN CIR LOT 38
BPR25-000938	04/21/2025	10858 STERLING CT
BPR25-000998	04/22/2025	26510 LOXLEY HEIGHTS RD
BPR24-003182	04/23/2025	14290 LOXLEY HEIGHTS RD W
BPR25-000596	04/24/2025	23937 MONTROSE WOODS DR
ZLD25-000018	04/24/2025	Ponder RD
BPR25-000776	04/28/2025	31197 STAGECOACH RD
BPR25-001106	05/08/2025	10743 BELFOREST CEMETERY RD
BPC25-000025	05/09/2025	26130 STATE HWY 181
BPR25-001295	05/20/2025	10762 GAYFER RD
BPR25-001249	05/21/2025	9060 FEATHER TRL
ZLD25-000035	05/21/2025	10209 -C REBEL RD
CSP25-000005	05/27/2025	17008 SCENIC HWY 98
BPR25-001340	05/28/2025	28438 TURKEY BRANCH DR
BPR25-001218	06/02/2025	24873 AUSTIN RD
BPR25-001469	06/02/2025	9201 PARLIAMENT CIR
BPR25-001410	06/03/2025	26002 RAVENWOOD CIR
BPR25-001432	06/04/2025	31330 BUZBEE RD
ZSP25-000082	06/11/2025	11442 ELYSIAN CIR
BPR25-001451	06/12/2025	6125 SADDLE WOOD LN
BPR25-001547	06/20/2025	33819 BOARDWALK DR
BPC25-000141	06/23/2025	23764 U S HWY 98
BPR25-001382	06/25/2025	6770 PEYTON CT LOT 34

Table 7-1 Baldwin County Phase II MS4 MCM3

Construction Site Stormwater Runoff Control Strategies and Goals

Permit#	Issue Date	Address
BPR25-001749	07/02/2025	7256 ASHBERRY CT
BPR25-001863	07/09/2025	10713 WARRENTON RD
BPR25-001781	07/15/2025	19147 BOOTHE RD
BPR25-001825	07/16/2025	33012 BOARDWALK DR
ZLD25-000060	07/18/2025	Lake BLVD
BPR25-001925	07/20/2025	8115 MANLEY RD
BPR25-001012	07/21/2025	6790 S WINDING BROOK DR
BPR25-001905	07/21/2025	23889 MONTROSE WOODS DR
ZLD25-000061	07/21/2025	0 Saddlewood LN
BPR25-001910	07/22/2025	18825 SCENIC HWY 98
BPR25-001966	07/22/2025	10904 WARRENTON RD
BPR25-001624	07/29/2025	19387 SCENIC HWY 98
BPC25-000185	08/01/2025	20390 STATE HWY 181
BPR25-001983	08/04/2025	5542 LAKEWOOD DR
BPR25-002040	08/04/2025	17358 WILDWOOD CT
BPR25-001566	08/07/2025	21422 BRICK STACK LN
CSP25-000013	08/07/2025	9844 MILTON JONES RD
ZLD25-000071	08/08/2025	9079 BERGA LN
CSP25-000025	08/12/2025	23946 -B U S HWY 98
BPR25-002128	08/13/2025	19426 LIBERTY RD
SSK25-000020	08/15/2025	
BPR25-002047	08/19/2025	6395 AGEE LN
BPR25-001848	08/21/2025	6797 CEDAR BROOK DR
CSP25-000017	08/26/2025	8985 TAPIS LN-Example of E&S Review -See Attached
BPR25-002248	08/29/2025	6171 SADDLE WOOD LN
BPR25-002200	09/02/2025	715 S MOBILE ST
BPR25-002482	09/11/2025	9060 Feather TRL
BPR25-002439	09/15/2025	15101 FACKLER RD
BPR25-002046	09/17/2025	23868 MAIN ST
BPR25-002497	09/19/2025	11403 WARRIE CREEK ALLEY
BPR25-002043	09/23/2025	24881 BRIDGES DR W
CSP25-000022	09/23/2025	25640 COUNTY RD 13
BPR25-002496	09/25/2025	19854 COUNTY RD 13
BPR25-002561	09/25/2025	23924 MONTROSE WOODS DR
CSP25-000026	09/25/2025	20800 STATE HWY 181

Table 7-1 Baldwin County Phase II MS4 MCM3

Construction Site Stormwater Runoff Control Strategies and Goals

Permit#	Issue Date	Address
ZLD25-000107	09/30/2025	0 SADDLEWOOD LN
CSP25-000027	10/03/2025	10580 COUNTY RD 64
CSP25-000029	10/07/2025	8450 WHISPERING PINES RD
BPR25-002221	10/08/2025	24181 BAY SHORE DR LOT 3A
BPR25-002658	10/14/2025	7123 ATLANTA CIR
BPR25-002737	10/15/2025	19426 LIBERTY RD
BPR25-002718	10/16/2025	7 MOLOKAI LN
ZSP25-000141	10/17/2025	13730 KEARNEY DR
BPR25-002797	10/20/2025	8376 NICHOLS AVE
BPR25-002479	10/21/2025	7188 CHAPMAN ST
BPR25-002784	10/27/2025	19409 SCENIC HWY 98
BPR25-002918	11/04/2025	24593 PLANTERS DR
CSP24-000040	11/06/2025	21567 STATE HWY 181
BPR25-002830	11/10/2025	17358 WILDWOOD CT
BPR25-002785	11/13/2025	19409 SCENIC HWY 98
BPC25-000272	11/17/2025	21765 STATE HWY 181 SUITE 101
BPC25-000247	11/19/2025	23902 U S HWY 98
CSP25-000035	11/21/2025	10391 COUNTY RD 64
BPR25-002911	12/01/2025	19976 BOOTHE RD
BPR25-003061	12/01/2025	23069 MAIN ST
BPR25-003143	12/01/2025	724 S MOBILE ST
BPR25-003228	12/04/2025	184 RICHMOND RD
BPR25-003234	12/08/2025	15366 BLACK AND GRIFFIN RD
BPR25-003249	12/09/2025	19123 SCENIC HWY 98
BPR25-003284	12/10/2025	27950 STAYDAR CIR LOT 2
BPR25-003311	12/15/2025	27881 STAYDAR CIR LOT 21
SRP25-000024	12/15/2025	STATE HWY 225
BPR25-003227	12/19/2025	19123 SCENIC HWY 98
ZLD25-000136	12/19/2025	27788 STAYDAR CIR



PERMIT PROJECT
FILE #: 25-004613
8985 TAPIS LN FAIRHOPE AL 36532
FLOOR MEDIC * CSP24-11 EXPIRED 6-7-25 *** COMMERCIAL REVIEW *****

PD: 37 ZC: B2 ARB: N MS4: Y PWL: Y
HW: AREA 200 BPJ: BALDWIN COUNTY
FZ: X -9999.0

PERMIT #: CSP25-000017

Permit Type
Zoning - Commercial Site Plan Approval

Subtype
Commercial Site Plan

Work Description:
Floor Medic

Applicant
Lieb Engineering Company - Christopher Lieb

Status
Approved

Valuation
0.00

FEES & PAYMENTS

Plan Check Fees
0.00

Permit Fees
127.75

Total Amount
127.75

Amount Paid
127.75

Balance Due
0.00

☐ Non-Billable

PERMIT DATES

Application Date
06/18/2025

Approval Date
08/26/2025

Issue Date:
08/26/2025

Expiration Date:
02/26/2026

COMMISSION SITE PLAN (CSP) REVIEW
DESIGN AND TECHNCIAL STANDARDS REVIEW CHECKLIST

CASE NAMI : **ASE NO.** CSP25- 17

PLANNING JURISDICTION: County **BC PLANNING DISTRICT:** 37 **ZONING:** B2 **NUMBER OF LOTS OR UNITS:** 1 **PIN:**

REVIEWED BY: **DATE:** 12/15/2025 **PARCEL ID #** 05-46-05-16-0-000-027.002

ENGINEER OR SURVEYOR Engineering **E-MAIL:**

DEVELOPER: x **E-MAIL:** _____

DISCLAIMER: Review annotations shown within this document are not necessarily official positions of the Planning and Zoning Department and are subject to change without notice.

APPLICATION PROCESS		
18.9.2 Commission Site Plan approval is required for all developments that meet the following criteria: (a) All multiple unit developments; (b) Major Projects when the total combined gross floor area of new construction equals or exceeds **5,000** square feet (this may include expansions below this threshold in the previous five years); (c) Major Projects within 200 feet of property either zoned or used as residential. If this is the only criteria triggering CSP approval, Planning Director may require a Commercial Site Plan approval if either: 1) the Applicant agrees to accept a condition of approval limiting the operating hours of the business to between 8 AM to 5 PM on all days of the week, or 2) the project involves a change from one use to a new permitted use with no increase in cubic footage of structures; (d) Major Projects where more than 30% of the lot (excluding the building) is impervious; (e) Major Projects proposing to increase the gross floor area by thirty percent (30%) or more on a site with existing structures totaling, when considered in combination, 5000 square feet or more of existing gross floor area; or (f) All changes of use on non-residential properties, unless proposed use would be permitted with administrative approval. Planning Director may require Commercial Site Plan or a Land Disturbance approval in lieu of a Commission Site Plan approval when the proposed work does not increase the number, gross floor area, or height of structures.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: Commercial Approval per Planning Director.		
9.1 Planned Unit Developed (PUD) application may be required if there are 3 or more units on the parcel.		
☒N/A	☐ Accepted	☐ Revise and Resubmit
1st Review Comments:		
18.9.4(a) The application shall be submitted on forms provided by the Zoning Administrator (CitizenServe).		
☐N/A	☒ Accepted	☐ Revise and Resubmit
1st Review Comments:		
18.9.4(d) Applicant shall pay the non-refundable CSP application fee according to the current fee schedule.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		

REQUIRED DOCUMENTS		
18.9.4(b)(8) Landscaping plan (details reviewed below)		
☐N/A	☒ Accepted	☐ Revise and Resubmit
1st Review Comments:		

Date of Latest Form Revision: 2/1/2024

18.9.4(b)(9) Erosion control plan (details reviewed below)		
☐N/A	☒ Accepted	☐ Revise and Resubmit
1st Review Comments:		
18.9.4(b)(10) Stormwater Management Plan (details reviewed below)		
☐N/A	☒ Accepted	☐ Revise and Resubmit
1st Review Comments:		
18.9.4(b)(11) Utilities Plan (details reviewed below)		
☐N/A	☒ Accepted	☐ Revise and Resubmit
1st Review Comments:		
18.9.4(b)(12) Covenant/Restrictions Document (optional)		
☐N/A	☒ Accepted	☐ Revise and Resubmit
1st Review Comments:		
13.12.2(a) Land disturbance permit shall be required for: 1. Any land disturbance of greater than 500 square feet of land area on a single site; or 2. Any land disturbance greater than twenty-five (25) square feet within the 30-foot wetland or stream setback provided in Section 10.4.4, or any land disturbance in a wetland or stream setback that results in pollution impacts to the adjacent wetland or waterway; or 3. Any land disturbance, no matter the area, within a Jurisdictional Wetland. A **Site Plan Approval** may be used in lieu of a land disturbance permit.		
☐N/A	☐ Accepted	☐ Revise and Resubmit
1st Review Comments: The application currently under review has been triggered by item(s) **highlighted** above.		
13.12.2(b) All applications for land disturbance permits shall be accompanied by a Construction Best Management Practices Plan (CBMPP) as follows: 1. Minor Projects—a simplified CBMPP (unless site requires ADEM NPDES General Permit–see 18.9(c). Plan explains the steps you will take (such as silt fence, trash containment, hay bales, gravel construction access, etc.) to minimize pollution and soil erosion. The simplified plan can be a hand-drawn sketch labeling erosion control measures, trash collection locations, construction access drives, etc. **2.** Major Projects—a CBMPP prepared by a QCP or Civil Engineer (to be reviewed below).		
☐N/A	☒ Accepted	☐ Revise and Resubmit
1st Review Comments:		
13.12.5(b)(1) Land disturbance that results in a total of one acre or greater and sites less than one (1) acre but are part of a Common Plan of Development or Sale require ADEM NPDES Construction General Permit prior to the issuance of the Land Disturbance Permit and/or Land Use Permit. At a minimum, the site's CBMPP shall meet all conditions and qualifications of the General Permit and BMP design should be based on the guidance in the Alabama Handbook.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		
18.2.3(b)(14) Fish and Wildlife **18.2.3(b)(15)** USACE **18.2.3(b)(16)** ADEM		
☐N/A	☒ Accepted	☐ Revise and Resubmit
1st Review Comments:		
18.9.4(c) Required State and Federal permits - US Corps of Engineers, Alabama Dept of Environmental Management, Alabama Coastal Area Management Program and Baldwin County Health Department.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
1st Review Comments:		

SITE PLAN REQUIREMENTS		
18.9.4(b)(1) The actual shape, dimensions and size of the lot to be built upon		
☐N/A	☒ Accepted	☐ Revise and Resubmit
1st Review Comments:		

18.9.4(b)(2) The size, shape, height, floor area and location of the building(s) to be erected		
☐N/A	☒ Accepted	☐ Revise and Resubmit
1st Review Comments:		
18.9.4(b)(3) Dimensions and locations of existing building(s)		
☐N/A	☒ Accepted	☐ Revise and Resubmit
1st Review Comments:		
18.9.4(b)(4) Width of front, side and rear yards		
☐N/A	☒ Accepted	☐ Revise and Resubmit
1st Review Comments:		
18.9.4(b)(5) Highway construction setback- the following construction setbacks shall apply from any state or county road or highway: 1. Principal arterials require a 125-foot setback from the centerline of the right-of-way; 2. Minor arterials require a 100-foot setback from the centerline of the right-of-way; 3. Major collectors require a 75-foot setback from the centerline of the right-of-way and; 4. Minor collectors require a 50-foot setback from the centerline of the right-of-way; 5. All other paved roads require a 40-foot setback from the centerline of the right-of-way; 6. Unpaved roads require a 30-foot setback from the margin of the right-of-way.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
1st Review Comments:		
18.9.4(b)(6) Existing and proposed parking (to be reviewed below)		
☐N/A	☒ Accepted	☐ Revise and Resubmit
1st Review Comments:		
18.9.4(b)(7) Ingress to, and egress from, the site		
☐N/A	☒ Accepted	☐ Revise and Resubmit
1st Review Comments:		

UTILITIES		
13.4.1 *Septic tanks*. In areas where there are no sewerage facilities, septic tanks may be used in accordance with current regulations of the Alabama/Baldwin Co. Health Department, and the Baldwin County Coastal Area Program, where applicable. No new septic systems will be permitted seaward of the Coastal Construction Line.		
☒N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments:		
13.4.2 *Water and sewer connections.* All projects in all districts shall meet all requirements of the Health Department. If the projects are to be served by water and/or sewer, documentation shall be provided that the appropriate utilities have the capacity and agree to provide service.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: Fairhope Utilities		
13.4.3 *Utility plan.* A utility plan is required for all major projects. The plan shall show proposed water supply, sewage disposal, refuse collection, fire protection, electricity, street lighting, telephone and gas.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		
13.4.4 *Other.* To the extent feasible, utilities for all major projects shall be placed underground.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		

BUILDINGS / ACCESS
13.6.1 *Buildings to be on lots.*

Date of Latest Form Revision: 2/1/2024

Every building erected, converted, enlarged, reconstructed, moved, or structurally altered shall be located on a lot which provides access to a public street and there shall be no more than one (1) principal residential building on a lot except as follows:

a. In any district where multifamily structures, motels, or hotels are permitted, two or more such residential structures may be permitted on a lot provided that no building shall be located closer to another building on the same lot than a distance equal to half the sum of the heights of both buildings. In addition, the front or rear of any building may be no closer to the front or rear of any other building than 40-feet. The side of any building shall be no closer to the side, front or rear of any other building than 30-feet.
b. In Rural districts to the extent permitted in Section 13.1.4(a).

☐N/A	☒ Accepted	☐ Revise and Resubmit

Review Comments:

13.6.2 *Access.* Each principal building shall be placed on a lot or parcel which provides access to a public street. Subdivisions shall be provided with access as required by the *Baldwin County Subdivision Regulations*.

☐N/A	☒ Accepted	☐ Revise and Resubmit

Review Comments: Access to County Road 13.

DRAINAGE PLAN

Section 13.11 A stormwater management plan is required for all major projects.

- Such plan shall be prepared by a licensed engineer and shall be submitted with an application for a site plan approval.
- No development may proceed until a site plan approval application has been approved. To protect water quality and natural resources, the use of Low Impact Development practices is encouraged.

☐N/A	☒ Accepted	☐ Revise and Resubmit

Review Comments: CHRISTOPHER LIEB - PE31204

13.11 ZO 5.11.2(a) SR

- Provide a design narrative and complete drainage calculations, including assumptions, maps, and computations for each inlet, pipe, or ditch section prepared and sealed by a Professional Engineer, licensed in Alabama.
- Design narrative shall summarize assumptions, calculations, and results for the whole project as well as each drainage basin.
- Fill may be used to alter the existing grades, provided proposed fill does not restrict the flow of water from adjacent properties or unnaturally redirect stormwater to adjacent properties.
- **When a proposed new drainage system will divert water into an unnatural water system or onto private land adjacent to the subdivision, drainage rights must be secured by the applicant and indicated on the Final Plat.**
- Any spring or surface water that exists or results from the subdivision shall be required to be carried away by pipe or open ditch. Such drainage facilities shall be in the road right-of-way where feasible, or in common areas with perpetual unobstructed drainage easements (min. 20 ft wide- Section 5.11.6(b).
- Stormwaters shall be disposed into existing channels, pipes, or body of water.

☐N/A	☒ Accepted with comments	☐ Revise and Resubmit

Review annotations: This section assumes the applicant has reviewed and complied with Appendix 2:

- Are existing flows re-routed to unnatural drainage basins (including adjacent private property)? If so, provide following comments: "Based on your provided drainage areas, it appears that some stormwater may be diverted from one drainage area to another drainage area. Please provide a statement confirming that the stormwater diversion will not result in an adverse downstream impact to property owners along with an explanation for the rationale for the stormwater diversion."
- Were pervious vs. impervious surfaces (in acres or square feet) included in the site data table? If so, are they logical?
- Compare rainfall intensities to NOAA: https://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_cont.html?bkmrk=al

- If what the EOR is reporting is less than NOAA, request an explanation. Note that we analyze 24-hour storm durations and 2-, 5-, 10-, 25-, 50- and 100-year occurrences to comprise a storm "event."

If the proposed new drainage system will divert water into an unnatural water system or on private land adjacent to the subdivision, request that EOR acknowledges drainage rights may be required, and noted on the final plat. If this type of diversion occurs, request the EOR to advise how the adverse effects of diversion will be mitigated. If the diversions are requested by the EOR, drainage rights shall be secured.

Note that private land adjacent to the subdivision may include a natural water system into which diversion may be allowed. An example where drainage rights may be required: a subdivision diverts water onto an adjacent property that contains an isolated jurisdictional wetland. The wetland is not connected by ditch, stream, or channel to any other wetland feature and when discharge is received from the adjacent property, the size of the wetland area will grow. In this scenario, drainage rights shall be secured from the adjacent property owner.

P&Z Comments:
P&Z Permit Comments: (7/29/2025 – P&Z Civil Engineer) – Please make sure drainage calculations accommodate first flush requirement.

5.11.2(b) Accommodation of Upstream Drainage Areas. The method used to accommodate potential development from the upstream properties must be identified in the design calculations.

☐N/A ☒ Accepted with comments ☐ Revise and Resubmit

P&Z Comments:
P&Z Permit Comments:

5.11.2(c) Effect on Downstream Drainage Areas - Design Engineer shall review the effect of subdivision on existing downstream drainage facilities outside the area of the subdivision. Where additional runoff incident to development will overload an existing downstream drainage facility, the Co. Engineer may withhold approval until provision has been made for downstream improvement.

☐N/A ☒ Accepted with comments ☐ Revise and Resubmit

Review annotations: The EOR either certifies that no downstream drainage improvements are required or will provide information on what downstream drainage improvements will be carried out by the developer.
5.11.3 Drainage Systems (a-d) – To be reviewed at time of Construction Plan Review

P&Z Comments:
P&Z Permit Comments:

5.11.3(e) Drainage Systems -Method of determining stormwater runoff shall

- For areas less than 200 acres, engineer may use the Rational Method to determine inlet spacing, roadway spread, and sizing of pipe network and collection basins. Kirpich Equation shall be the only method to determine time of concentration.
- For areas greater than 200 acres, engineer may use Regression Equations (rural or urban) or SCS Method only.

☐N/A ☒ Accepted with comments ☐ Revise and Resubmit

Review annotations: The EOR should explicitly state which method (SCS, Regression, Rational Method) is used and verify the Kirpich equation for determining time of concentration.
5.11.3 (f-g) Drainage Systems – To be reviewed at time of Construction Plan Review

P&Z Comments:
P&Z Permit Comments: SCS method used

§ 5.11.4 (a-) Drainage System Plan Requirements

(a) Topography map showing existing and proposed contours at 1-foot intervals of the entire property and full width of all adjacent rights-of-way. NAVD 88 datum. Greater intervals may be allowed if approved by Co. Engineer.
(b) Existing drainage system, including pipes, culverts, inlets, ditches, and ponds.
(c) Proposed drainage system including pipes, culverts, junction boxes, inlets, ditches, retention/detention facilities, and an outline of the on-site drainage areas for each inlet and ditch cross-section. All proposed pipes, culverts, junction boxes and inlets shall be labeled and presented in tabular form on the overall drainage plan, and the plan view of all Plan/Profile sheets.
(d) Structure location, type and size of all drainage structures, and the Inlet and Outlet Flow line Elevation.
(e) Cross-section of each ditch section.
(f) Other pertinent information necessary for review of the drainage plans may be required by Co. Engineer.

☐N/A	☒ Accepted with comments	☐ Revise and Resubmit
Review annotations: 5.11.5 (a-e) Drainage System Construction Requirements - To be reviewed at time of Construction Plan Review		
P&Z Comments: P&Z Permit Comments:		
5.11.6(a) General Requirements. Where a subdivision is traversed by a watercourse, drainage way, channel, or stream, provide a stormwater or drainage easement conforming to the lines of such water course of adequate width and construction necessary as determined by Co. Engineer. Easement width must allow for maintenance access (20 ft min).		
☒N/A	☐ Accepted with comments	☐ Revise and Resubmit
P&Z Comments: P&Z Permit Comments:		
5.11.6(b) Drainage Easements. • Where topography or other conditions make inclusion of drainage facilities within road rights-of-way impractical, provide common areas with perpetual unobstructed easements at least 20 feet wide for such facilities across property outside the road lines, with satisfactory access to the road. • All existing and proposed easements shall be clearly indicated on the Preliminary Plat and Final Plat. • Such easements will vary in width according to depth of structure. • Where drainage facilities are adjacent to public rights-of-way or public property, no fence, hedgerow or other obstruction may be placed that obstructs access to the drainage facilities from such public right-of-way or public property. • A note shall be added to the Final Plat that specifies **Baldwin County will not be responsible for maintenance of said common areas or drainage easements.**		
☐N/A	☐ Accepted with comments	☒ Revise and Resubmit – CURED
P&Z Comments: P&Z Permit Comments: (7/29/2025 – P&Z Civil Engineer) – Note stating Baldwin County will not be responsible for maintenance of said common areas or drainage easements needs to be included in drainage narrative and/or construction plans.		
1st Disposition of Comments: The note was added to C5.0.		
5.11.7 Drainage System Plan Sheet Requirements (a) Be on a sheet the same size as that submitted at the time of Preliminary Plat application and shall be the same scale: (b) Show the layout of the proposed lots and common areas; (c) Show the existing one (1) foot contours of the subject property and all adjacent rights-of-way; (d) Show the proposed flow direction of all stormwater; (e) Show the proposed location of a stormwater management facilities; (f) Show the location of all existing drainage structures within 100 feet of proposed development; (g) Show design Q at each outfall structure; (h) Show FEMA flood zones; (i) Show all wetlands and label as jurisdictional and non-jurisdictional.		
☐N/A	☒ Accepted with comments	☐ Revise and Resubmit
Review annotations: Cross reference sections 4.5.1(e) as well as 5.11.2(a-c) – the requirements for those sections shall be satisfied by the generalized drainage plan either in a PE-stamped letter on company letterhead or incorporated into the PE-stamped drawings submitted that comply with section 5.11.7.		
P&Z Comments: P&Z Permit Comments:		

STORMWATER DETENTION / RETENTION

5.12.2(d)(1) Areas Outside of Watershed Studies

Method of Calculation. The SCS Method will be the only accepted method used to determine the sizing of stormwater detention/retention areas. The Rational Method will not be permitted for such use. See Figure 1, Subdivision Regulations for Discharge Hydrograph example.

- *Areas Outside of Watershed Studies:* Differential runoff evaluation consists of determining rates of runoff before and after development, determining required volume of retention/detention and verification of adequacy of discharge and control structures.
- Design shall be based on at least the worst-case scenario of runoff up to and including a 100 year, 24 hour rainfall event. Post-development discharge from retention/detention facilities shall be equal to or less than pre-development conditions for a 2, 5, 10-, 25-, 50- & 100-year storm event. In no case shall the discharge from a drainage basin exceed the hydraulic capabilities of the downstream drainage structures and facilities.

☐N/A ☒ Accepted with comments ☐ Revise and Resubmit

Review annotations: For a preliminary plat, verify that SCS has been/will be used to determine size of retention/detention; if the subject property is located inside or outside the Fish River or Wolf Bay Watersheds; if the drainage system will detain storm water based upon the 2,5-,10-, and 25-year events or the 2,5,10,25 and 100-year storm events.

P&Z Comments:

P&Z Permit Comments:

§ 5.12.2(d)(2) Areas within the Fish River Watershed

Areas within the Fish River Watershed : North of the red line on the County Fish River Watershed Map and in the Fairhope area shall follow the same requirements of (d)(1). South of the red line, ponds will only detain 2-, 5-, 10-, and 25-year events.

☒N/A ☐ Accepted with comments ☐ Revise and Resubmit

P&Z Comments:

P&Z Permit Comments:

§ 5.12.2(d)(3) Areas within the Wolf Bay Watershed

Areas within the Wolf Bay Watershed: North of the red line delineated on the Wolf Bay Watershed Map shall be subject to the same requirements as set forth in section 5.12.2(d)(1). South of the red line, ponds will only detain 2-, 5-, 10-, and 25-year events.

☒N/A ☐ Accepted with comments ☐ Revise and Resubmit

P&Z Comments:

P&Z Permit Comments:

5.12.2(e) Retention/detention facilities

- Shall be located within the parcel limits of the project.
- No retention/detention or ponding is permitted within public road rights-of-way or Highway Construction Setback Line
- Off-side location of retention/detention facilities may be considered with documentation of practicality, feasibility and proof of ownership or right-of-use of the area proposed.
- No retention/detention facility shall be in jurisdictional wetlands.
- Any existing onsite stormwater retention areas shall be preserved within common areas in their current state. A developer may fill said areas with Co. Engineer approval if no jurisdictional wetlands are involved, and similar storage capacity is provided onsite in the same drainage basin.
- Where the discharge will be directly into a tidally influenced body of water, the Co. Engineer has sole discretion to waive stormwater management requirements, upon request by design engineer. Erosion/sedimentation control requirements or requirements of other governmental agencies still apply. The development must control velocities of stormwater leaving the site.

☐N/A ☒ Accepted with comments ☐ Revise and Resubmit

P&Z Comments:

P&Z Permit Comments:

5.12.2(f) Retention/detention-facilities and open swales (ditches) along with access to those facilities shall always be in common areas and include provisions for maintenance in the Trust Indentures.
☐N/A ☒ Accepted with comments ☐ Revise and Resubmit
P&Z Comments: P&Z Permit Comments:
5.12.2(l) Control Structures Retention/detention facilities shall be provided with obvious and effective control structures shown included in plans. In no case shall the discharge from a drainage basin exceed the hydraulic capabilities of the downstream drainage structures and facilities. 1. The maximum overflow opening or emergency spillway shall be designed to accept the total peak runoff of the improved tributary area during the base flood. 2. Proper engineering judgment shall be exercised in analysis of secondary routing of discharge of greater intensity than the basic design storm to avoid economic losses or damage downstream. Review with the maximum probable precipitation event is recommended. 3. When existing downstream pipe sizing, outside the developers control jurisdiction, is inadequate, an evaluation may be performed by the developer and County Engineer. In no case shall the discharge from a drainage basin exceed the hydraulic capabilities of the downstream drainage structures and facilities.
☐N/A ☒ Accepted with comments ☐ Revise and Resubmit
Review annotations: For a preliminary plat, the generalized drainage plan should include PE-stamped letter verifying the discharge from a drainage basin DOES NOT exceed the hydraulic capabilities of downstream drainage structures/facilities. EOR evaluates existing downstream piping within a ¼ mile (1,320') radius of subject property and submits an existing piping schedule that verifies existing pipes are either adequate or what pipes shall be upgraded to handle downstream flows. The Planning Director and County Engineer reserve the right to increase the radius of evaluation or require other improvements so that downstream drainage structures/facilities can accommodate the discharges from the development.
P&Z Comments: P&Z Permit Comments:
5.12.4 Retention/Detention facilities are built in conjunction with storm sewer installation and/or grading. They must be partially or fully operational prior to clearing vegetation and subsequent construction. • Silt and debris connected with construction shall be removed periodically from retention/detention area and control structure to maintain design storage capacity. • Responsibility for maintenance of retention/detention facilities and drainage structures within designated drainage easements shall remain with the developer until transferred to a property owners'/homeowners' association. • The developer/property owner's association shall keep retention/detention facilities free of silt, debris, undergrowth and vegetation which would interfere with their proper function. • The association shall clearly and explicitly accept responsibility for maintenance. They will not become the maintenance responsibility of Baldwin County Commission. • A letter from the owner/developer indicating the chain of responsibility for maintenance of all drainage structures or systems along with a copy of the proposed instrument of organization for the property owners' or homeowners' association shall be submitted with the Final Plat submittal.
☐N/A ☒ Accepted with comments ☐ Revise and Resubmit
P&Z Comments: P&Z Permit Comments:

CBMPP PLAN – Note that some of the following items may be on documents other than the CBMPP plan
13.12.3(c) All construction activities on a site should be conducted in a logical sequence so that the smallest practical area of land will be exposed for the shortest practical period of time during development.
☐N/A ☒ Accepted ☐ Revise and Resubmit
Review Comments: Listed under Erosion Control Notes on sheet C2
13.12.5(b)(2) Best Management Practices (BMPs) shall be required for all land disturbing activities..

• It shall be the sole responsibility of the contractor/or permittee to promptly implement effective BMPs in accordance with the permittee's land disturbance permit and submitted Construction Best Management Practices Plan prior to commencing the Land Disturbing Activity. • The permittee shall be solely responsible for ensuring that all BMPs are implemented and maintained for the entire duration of the Land Disturbing Activity. • The permittee shall also be solely responsible for ensuring that the BMPs are shown and detailed in the plan in accordance with established industry standards, good engineering practices, and all standards as set out in the Alabama Handbook.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		
13.12.5(a)(1) Show site boundaries, lots, etc.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		
13.12.5(a)(2) Show all watercourses (with sizes), ponds, lakes, wetlands.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		
13.12.5(a)(3) Show apparent floodplains, floodway fringes, and floodways.		
☒N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments:		
13.12.5(a)(4) Show soil types and their erodibility.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: Shown on sheet C6		
13.12.5(a)(5) Show vegetative cover such as crops, grass, weeds, and/or trees. The use of exotic or invasive species as proposed vegetative cover is discouraged.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: Shown on sheet C6		
13.12.5(a)(6) Show utilities, structures, road pavements and other improvements.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: Shown on sheet C6		
13.12.5(a)(7) Show existing contours at an interval not greater than 2 feet or adequate number of spot elevations.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: Shown on sheet C6		
13.12.5(a)(8) Show locations and dimensions (where applicable) of all proposed erosion control and other best management practices.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: Shown on sheet C6		
13.12.5(b)(3) Erosion and sediment control practices shall minimize offsite impacts.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: This review assumes compliance with section 13.11 also satisfies this section.		
13.12.5(b)(4) The permittee shall ensure proper onsite containment and disposal of all construction materials, supplies, trash, debris, fertilizers, pesticides, herbicides, detergents, sanitary waste and any other solid waste.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: Shown on sheet C6		
13.12.5(b)(5) The permittee shall ensure proper onsite containment and disposal of any pollutants resulting from equipment and vehicle washing, concrete, paint and other washout water.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: Shown on sheet C6		
13.12.5(b)(6) The permittee shall minimize the discharge of any pollutants resulting from a spill or leak from, including but not limited to vehicles, mechanical equipment, and chemical or fuel storage.		

☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: For the applicant's information and staff reserves the right to enforce the requirements of sections 13.12.6 and 13.12.7 as applicable		
13.12.5(b)(7) The permittee shall stabilize all construction entrances and exits with course stone to minimize off-site tracking of sediment from vehicles.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: CEP shown on sheet C6 and again on sheet C8 with detailed notes		
13.12.5(b)(8) The permittee shall minimize the generation of dust during construction.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: Listed under Erosion Control Notes on sheet C2		
13.12.5(b)(9) The permittee shall minimize the disturbance of steep slopes, unless infeasible.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		
13.12.5(b)(10) The permittee shall minimize the amount of soil exposure and compaction during construction activity.		
☒N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments: For the applicant's information and staff reserves the right to enforce the requirements of sections 13.12.6 and 13.12.7 as applicable		
13.12.5(b)(11) Any detention basin proposed for the site should be utilized during construction as a sediment basin to trap as much soil as possible. Such basins shall be designed for this purpose, utilizing over excavation for temporary sediment storage, temporary perforated standpipes and or stone filters as required by proper engineering design.		
☐N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments: Listed under Notes on sheet C6		
13.12.5(b)(12) Temporary sediment traps may be required in areas where runoff exits the site and is likely to carry sediment from eroded soils on the site. The temporary traps shall be sized proportionate with the expected flow rate from the site.		
☐N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments: This review assumes compliance with section 13.11 also satisfies this section.		
13.12.5(b)(13) Storage piles of soil left for longer than three (3) days shall be completely encircled with silt fence. If left inactive or unused for longer than thirteen (13) days the pile shall be seeded, sodded, or covered with a mulching fabric or tarpaulins.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: Listed under Erosion Control Notes on sheet C2		
13.12.5(b)(14) The permittee shall Temporarily Stabilize disturbed areas immediately whenever work toward the project has temporarily ceased on any portion of the site and will not resume for a period exceeding thirteen (13) calendar days.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: Listed under Erosion Control Notes on sheet C2		
13.12.5(b)(15) The permittee shall ensure that: • Drainage structures important to overall Storm Water Management and control are not adversely affected by clearing, grading, or any other land disturbing activities. • Permanently stabilize any right-of-ways disturbed during construction.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: A right of way permit was approved by the City of Fairhope and this review assumes approval of a ROW satisfies this section		
13.12.5(b)(16) All onsite areas disturbed during construction shall be permanently stabilized prior to issuance of a Certificate of Occupancy from the local building authority.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments: Listed under Erosion Control Notes on sheet C2		

13.12.5(b)(17) The permittee shall, with property owner permission, remove any offsite sediments from adjacent properties and stabilize any areas disturbed during the removal. • If the removal involves streams or wetlands, proper Federal and State permission and/or permits shall be required prior to removal.
☐N/A ☐ Accepted ☐ Revise and Resubmit
Review Comments: For the applicant's information and staff reserves the right to enforce the requirements of sections 13.12.6 and 13.12.7 as applicable.
13.12.5(b)(18) Any permitted land disturbance site that has continued compliance issues and/or offsite impacts may be issued a Stop Work Order, ceasing all activity except BMP installation and maintenance. At that time the permittee may be required to submit an updated CBMP Plan prepared by a Qualified Credentialed Professional.
☐N/A ☐ Accepted ☐ Revise and Resubmit
Review Comments: For the applicant's information and staff reserves the right to enforce the requirements of sections 13.12.6 and 13.12.7 as applicable
13.12.6 Maintenance All construction best management plan practices shall be maintained throughout the course of the construction. For the purposes of this Ordinance, the following are the minimum requirements for the CBMPP Inspections: less than ten (10) calendar days and the work is not in compliance with this ordinance the Department may serve notice of zoning violation. (a) The permittee shall ensure proper implementation, daily observation, regular inspection, and continual maintenance of effective Best Management Practices to prevent offsite impacts and impacts to downstream water quality. (b) In the event the Best Management Practices are found to be in need of maintenance or improvements, the permittee shall commence and implement all necessary maintenance and corrective measures to the Best Management Practices within forty-eight (48) hours of notice unless prevented by unsafe weather conditions.
☐N/A ☒ Accepted ☐ Revise and Resubmit
Review Comments: Listed under Erosion Control Notes on sheet C2

PARKING – General requirements
15.1.1 Off-street automobile storage or parking spaces shall be provided with vehicular access to a street or alley, and shall be equal to at least the minimum requirements for the specific land use as herein provided.
☐N/A ☒ Accepted ☐ Revise and Resubmit
Review Comments: Parking spaces shown has access to get to County Rd 13.
15.1.2 The required number of parking spaces for any number of separate uses may be combined in one lot, but the required space assigned to one use may not be assigned to another use at the same time. • Exception: that portion of the parking space required for an existing church whose peak attendance will be at night or on Sundays may be assigned to a use which will be closed at night or on Sundays.
☒N/A ☐ Accepted ☐ Revise and Resubmit
Review Comments:
15.1.3 Where business and multifamily unit developments require large numbers of parking spaces, such spaces may be accommodated in parking decks provided that no such parking deck shall exceed 3 levels above ground or 25% of the height of the principal structure, whichever is greater. Parking deck design shall be compatible with the design of the principal structure.
☒N/A ☐ Accepted ☐ Revise and Resubmit
Review Comments:
15.1.4 Any use not specified by these ordinances shall require one (1) parking space for each 300 square feet of gross floor area in the building. Where the use is mixed, total requirements for off-street parking shall be the sum of the requirements for the various uses computed separately.
☒N/A ☐ Accepted ☐ Revise and Resubmit
Review Comments:

15.3.1 *Off-street parking space* is an area a minimum 171 square feet permanently reserved for the temporary storage of one automobile.

- The minimum dimension of an off-street parking space is 9' x 19'.
- Off-street parking spaces may not be located in a street or alley and must be connected with a street or alley by a driveway which affords unobstructed ingress and egress to each space.

☐N/A	☒ Accepted	☐ Revise and Resubmit

Review Comments:

15.3.2 *Parking area dimensions.* The design and dimensions of the parking area shall be in accordance with the dimensions table set forth in Article 15.3.2 (reviewed below).

☐N/A	☒ Accepted	☐ Revise and Resubmit

Review Comments:

15.3.3 *Width of two-way access driveways.* The minimum width of two-way access driveways within and to parking areas shall be 24-feet.

☐N/A	☒ Accepted	☐ Revise and Resubmit

Review Comments:

15.3.4 *Paving standards.* Parking spaces and driveways shall be improved with a suitable hard surface permanent type of pavement such as asphalt, concrete, limestone or other similar surface approved by the Planning Commission.

☐N/A	☒ Accepted	☐ Revise and Resubmit

Review Comments:

15.3.5 *Drainage.* Off-street parking facilities shall be drained to prevent damage to abutting property and streets and to prevent pollutants from draining onto the adjacent lots.

- Landscaped areas and perimeter areas shall be graded to receive a reasonable portion of the rainfall from the surrounding pavement.
- Protective curbing around landscaped areas will leave openings for the flow of water onto unpaved areas. No runoff shall be directed to the beaches or to surface waters.

☐N/A	☒ Accepted	☐ Revise and Resubmit

Review Comments:

15.3.6 *Landscaping.* Parking lots shall be landscaped in accordance with *Section 17.4* (to be reviewed below)

☐N/A	☒ Accepted	☐ Revise and Resubmit

Review Comments:

15.3.7 *Off-street loading and unloading space*

a. *Size of spaces.* Each off-street loading/unloading space shall have minimum dimensions of 14-feet in height, 12-feet in width, and 55-feet in length. However, upon sufficient demonstration that a loading space will be used exclusively by shorter trucks, the BOA may reduce the minimum length to a min. of 35-feet.

b. *Connection to street or alley.* Each required off-street loading/unloading space shall have direct access to a street or alley or have a driveway which offers satisfactory ingress and egress for trucks.

c. *Floor area over 10,000 square feet.* There shall be provided for each hospital, institution, hotel, commercial, or industrial building or similar use requiring the receipt or distribution of materials or merchandise and having a floor area of more than 10,000 square feet, at least one off- street loading/unloading space for each 10,000 square feet of floor space or fraction thereof. Such space shall not hinder the free movement of pedestrians and vehicles over a sidewalk, street or alley.

d. *Floor area less than 10,000 square feet.* There shall be provided for each commercial or industrial building requiring the receipt or distribution of materials or merchandise and having a floor area of less than 10,000 square feet, sufficient off-street loading/unloading space (not necessarily a full space if shared by an adjacent establishment) shall not hinder the free movement of pedestrians and vehicles over a sidewalk, street or alley.

e. *Bus and trucking terminals.* Provide sufficient space to accommodate the maximum number of buses or trucks to be stored or to be loaded at the terminal at any one time.

f. *Location.* All required off-street loading/unloading spaces shall be located on the same lot as the building which they are intended to serve, or on an adjacent lot when shared with the use occupying said adjacent lot.

g. *Permanent reservation.* Areas reserved for off-street loading/unloading shall not be reduced in area or changed to any other use unless the permitted use which is served is discontinued or modified except where equivalent loading/unloading space is provided and approved by the BOA.

☐N/A	☒ Accepted	☐ Revise and Resubmit

Review Comments:

15.3.8 *Curb cuts and vision clearance.* The requirements for controlling curb cuts and maintaining vision clearance shall be as follows:

a. Curb cuts. No curb cut shall exceed 50-feet in length, nor shall curb cuts be closer than 100-feet to other curb cuts or closer than 50-feet to any intersection of two streets measured along the curb line.

b. Vision clearance. In all use districts, no fence, wall, shrubbery, sign, marquee, or other obstruction to vision between the heights of 2½ feet and 10-feet from the street level shall be permitted within 20-feet of the intersection of the right-of-way lines of two streets or railroad lines, or of a street intersection with a railroad line.

☐N/A	☒ Accepted	☐ Revise and Resubmit

Review Comments:

PARKING – Specific requirements vary with proposed use.

BUSINESS & OFFICE

15.2.4(a) *Commercial establishments and offices including but not limited to food stores, banks, furniture stores, or personal service establishments.* One space for each 200 square feet of gross floor area.

☐N/A	☒ Accepted	☐ Revise and Resubmit

Review Comments:

INDUSTRIAL, WAREHOUSE, & SIMILAR

15.2.6(b) *Warehouses.* One space for each 1,000 square feet of gross floor area.

☐N/A	☒ Accepted	☐ Revise and Resubmit

Review Comments:

STORAGE AND PARKING OF TRAILERS AND COMMERCIAL VEHICLES

15.3.9(a) Recreational vehicles, trailers and commercial vehicles shall not be parked or stored on any lot in any residential district except in accordance with the following requirements

1. No more than one commercial vehicle per dwelling; and in no case shall a commercial vehicle used for hauling explosives, gasoline or liquefied petroleum products be permitted.
2. RVs, trailers, and commercial vehicles may not be parked within a front yard.
3. RVs shall not be occupied either temporarily or permanently while parked or stored in any residential or rural district except as provided by *Section 12.2.2.1, Section 12.2.2.2, or Section 13.1.3.2.*

a. RVs, trailers or commercial vehicle may not be located on a lot in any residential district by itself.

☒N/A	☐ Accepted	☐ Revise and Resubmit

Review Comments:

15.3.9(b) Junked vehicles or automotive vehicles, other than equipment that is part of a legitimate farm operation, without current license plates shall not be parked or stored in any district other than in completely enclosed buildings.

☒N/A	☐ Accepted	☐ Revise and Resubmit

Review Comments:

LANDSCAPING PLAN

17.1 A landscaping plan is required for all major projects.

- The plan shall clearly show what existing trees, shrubbery, and other vegetation will be retained, and what trees, shrubbery, and other vegetation will be added to complete the landscaping of the property.
- **The developers shall attempt to retain as many trees as possible on the property** unless the trees are a safety hazard to pedestrians, property, or vehicular traffic, or that their removal is necessary to construct the proposed improvements. In such case, **the landscape plan shall indicate replacement trees at least 6 feet tall and one inch in diameter for each indigenous tree of at least three (3) inches in diameter removed**, unless the property already has a tree density which does not allow adequate space or light for additional trees. The

landscape plan shall show the locations of the proper number of replacement trees. Replacement trees and other vegetation to be installed shall be native species or noninvasive exotics which are not likely to out-compete native vegetation and do not require excessive pesticides, fertilizer, or water to maintain growth.
☐N/A ☒ Accepted ☐ Revise and Resubmit
Review Comments:
17.1(a) A major project which abuts a freeway/expressway, arterial or collector shall maintain a minimum of ten (10) feet of the required setback as a buffer along the entire width of the property abutting said road where curb cuts provide ingress and egress. • Said buffer shall be planted with trees, shrubs and grass or other ground cover so that an attractive appearance is presented as detailed in the required landscape plan.
☐N/A ☒ Accepted ☐ Revise and Resubmit
Review Comments: Site shows 15 ft landscaping buffer along County Rd 13
17.1(b) A minimum of five (5) feet side and rear landscaping may be required in the landscape plan depending on the topography and arrangement of parking facilities. • If required, such areas shall be planted with a combination of trees, shrubs and grass or other ground cover adequate to break the expanse of contiguous parking areas and to present an attractive appearance as determined by the Zoning Administrator. • Adjacent property owners may jointly agree on the establishment of a common landscaped area between their properties that meets the requirement of this Section; provided that such agreement and the planting and maintenance of the common area shall be binding upon both parties and their successors, interests and assigns.
☐N/A ☒ Accepted ☐ Revise and Resubmit
Review Comments:
17.1(c) Junk yards shall be buffered with vegetation to achieve a complete visual screen of the yard and its ancillary operations.
☒N/A ☐ Accepted ☐ Revise and Resubmit
Review Comments:
17.2.7(a-g) The landscape plan must be drawn to scale, with a narrative and any necessary calculations, and include: (a) Dimensions and North Arrow. (b) Preserved trees. (c) Locations of proposed signs and lightning. (d) Locations of proposed sidewalks or other paths and ingress and egress locations and widths. (e) Proposed location and spacing of all required plantings. (f) Overhead and underground utilities existing and proposed. (g) Subject property zoning and current use and adjoining property zoning and current use. The landscape buffer plan shall be submitted along with a Land Use Certificate. Prior to the issuance of a Certificate of Occupancy (CO) the P&Z Dept shall conduct an inspection to ensure the buffer is installed as required.
☐N/A ☒ Accepted ☒ Revise and Resubmit
Review Comments: It looks like you may have uploaded an older draft of the landscaping plan as some of the features on site do not match up with the site plan (detention basin). Please verify if this is the correct one and if not upload the most current document.
1st Disposition of Comments: The updated landscape plan is attached to this submittal.

BUFFERS OF UNLIKE LAND USES AND ZONING DESIGNATIONS – Specific requirements vary with proposed use. Reviewer will delete sections that don't apply to this review. To split table: *Layout / Split table*
17.2.1 *Purpose and intent.* Where unlike land uses or zoning designations occur, a buffer shall be required along the entire length of all such common boundaries. Said buffer shall be the width specified below and be planted with canopy trees, understory trees and shrubs of sufficient density and of sufficient height **(in no case, at planting, less**

than 8-feet high for canopy trees and 4-feet high for understory trees) to afford adequate sight, sound and debris protection. All screen planting shall be maintained in a clean and healthy condition.
☐N/A ☐ Accepted ☐ Revise and Resubmit
Review Comments: For applicant's information.
17.2.2(c) Institutional uses, Professional Business uses (B-1), Neighborhood Business uses (B-2), General Business uses (B-3), Major Commercial uses (B-4) and Marine Recreation (MR) uses when adjacent to a Rural District (RR, RA and CR), Residential Single Family Estate District (RSFE) or Single Family District (RSF-1, RSF-2, RSF-3, RSF-4 and RSF-6) shall require a minimum buffer of **25-feet**.
☐N/A ☒ Accepted ☒ Revise and Resubmit
Review Comments: The property to the west is zoned RA meaning that a 25ft landscape buffer is required for that side of the property.
1st Disposition of Comments: The rear landscape buffer is set to 25'
2nd Review Comments: I still don't see a landscape buffer or any landscaping along the west (rear) property line on the landscaping plans uploaded.
2nd Disposition of Comments: The additional landscaping will be shown on the uploaded landscape plans.
12/15/25 Review Comments: There is no longer a landscape buffer along the west property line. It is just a grass area. You will need to add buffer with canopy trees, understory trees and shrubs of sufficient density and of sufficient height **(in no case, at planting, less than 8-feet high for canopy trees and 4-feet high for understory trees)** to afford adequate sight, sound and debris protection. All screen planting shall be maintained in a clean and healthy condition.

LANDSCAPED BUFFER DESIGN AND MATERIALS
17.2.3(a) The use of existing native species of plant material is strongly encouraged in landscaped buffers. • Existing natural ground cover should be retained where possible by avoiding scraping, grading and sodding within the landscaped buffer. • Where the planting requirements of *17.2.2* require additional trees or shrubs to be installed in an existing natural area, it should be done in a manner which minimizes disturbances to native species.
☐N/A ☐ Accepted ☐ Revise and Resubmit
Review Comments: For applicant's information.
17.2.3(b) *Mixed-use development.* Where a building site is used for a single mixed-use development, landscaped buffers shall not be required between the various constituent uses. Landscaped buffers required at the perimeter of the development shall be based upon the individual uses on each portion of the property.
☒N/A ☐ Accepted ☐ Revise and Resubmit
Review Comments:
17.2.5(a) *Canopy Trees. A* plant species having an average mature crown spread of **15 feet** or greater and a trunk(s) that eventually can be maintained in a clean condition, clear of lateral woody growth of **5 feet** or greater. • Minimum of **8 feet** overall height at planting with at least a **2 inch** diameter (caliper). • Trees having mature crown spread less than 15 feet may be substituted by grouping to create equivalent 15 foot crown spread. A grouping of 3 large palms is equivalent to 1 required canopy tree. • All trees shall be located no closer than 3 feet from the edge of any designated planting area.
☐N/A ☐ Accepted ☐ Revise and Resubmit
Review Comments: For applicant's information.
17.2.5(b) *Understory trees* shall be a minimum of **4 feet** overall height at planting with at least a **1 inch** diameter (caliper).
☐N/A ☐ Accepted ☐ Revise and Resubmit
Review Comments: For applicant's information.
17.2.5(c) *Shrubs.* Any self-supporting woody evergreen or flowering species generally growing or maintained at a height of **5 feet** or less. • Shrubs shall be a minimum of **24 inches** high at planting and planted maximum of thirty-six (36) inches apart on center.
☐N/A ☐ Accepted ☐ Revise and Resubmit

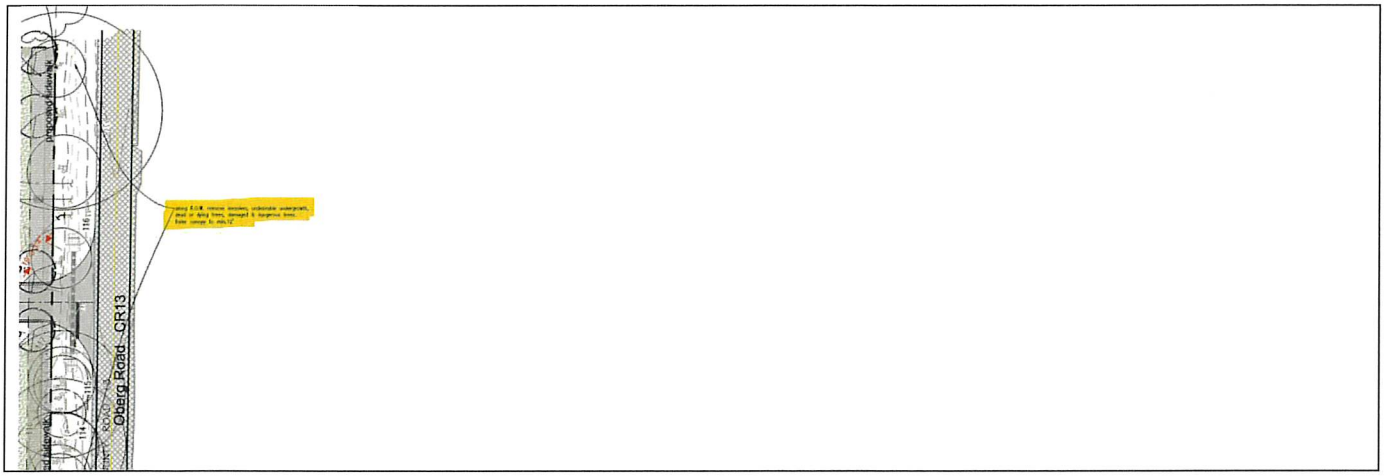
Review Comments: For applicant's information.		
17.2.6(a) Canopy trees shall be located no closer than **10 feet** from any structure. • Under story trees and shrubs shall be planted no closer than **3 feet** from any structure.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		
17.2.6(b) Vegetation that exceeds 25 feet in height at maturity shall not be planted closer than 30 feet of the vertical plane of an existing power line.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		

USE OF LANDSCAPED BUFFERS		
17.2.4(a) *Open space.* Landscaped buffers may be counted toward satisfying open space requirements and used for passive recreation. • They may contain pedestrian or bike trails, provided that the **total width of the buffer yard** is maintained. • The following uses are NOT permitted in buffers: playfields, stables, swimming pools, tennis courts, parking lots and vehicular use areas, dumpsters, equipment storage and other open storage, buildings or overhangs.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		
17.2.4(b) *Stormwater retention/detention facilities.* The P&Z Director may allow stormwater retention/detention facilities to encroach into landscaped buffers a maximum of **25%** of buffer width, where all planting requirements of this section are met and the visual screen provided by the landscaped buffer will be fully achieved.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		
17.2.4(c) *Ingress and Egress* to the proposed use and utilities may cross the buffer provided they minimize the amount of buffer devoted to this use.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		
17.2.4(d) *Lighting, fences, walls and identification signs* may be located within the required buffer.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		
17.2.4(e) Sidewalks, walkways and paths may be allowed within the buffer, provided that: 1. The total width of buffer is maintained. 2. All other requirements of this ordinance are met.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		
17.2.6(c) Visibility Triangles contained in *Section 16.6.3* shall be maintained.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		
17.2.8 The property owner on which the buffer is located shall be responsible for maintenance of the buffer. • Dead or dying trees or shrubs shall be replaced as soon as practicable to provide the intended screening and buffering affect. If the Zoning Administrator determines that dead or dying trees or shrubs are present, the property owner will be notified and the trees/shrubs must be replaced. Failure to do so after notification shall be deemed a violation of the *Baldwin County Zoning Ordinance*.		
☐N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments: For the applicant's information.		
17.3 During construction and development, trees that are to be preserved shall be protected from activities that may injure or kill them. To the extent possible, trees within the required setbacks or buffer strips shall be preserved.		
☐N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments: For the applicant's information.		

PARKING LOT LANDSCAPING		
17.4(a) A landscaped area of at least 5 feet wide shall be provided between parking areas and any adjacent public streets and contiguous properties. • Landscaping shall include the placement of shade trees at intervals of approximately 6 parking spaces. Such trees shall be a minimum height of 6 feet at planting.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		
17.4(b) Interior portions of the parking area shall be broken by landscaped islands (minimum of 6 feet wide) between every 12 spaces. Each island shall provide at least 1 shade tree having a minimum height of 6 feet at planting.		
☒N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments:		
17.4(c) A continuous landscape strip a minimum of 5 feet wide shall be provided between every 4 rows of parking. Landscaping shall include the placement of shade trees at intervals of approximately 6 parking spaces. Such trees shall be a minimum height of 6 feet at planting.		
☒N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments:		
17.4(d) Landscaped areas shall be protected from vehicular encroachment by the use of curbing or wheel stops.		
☐N/A	☒ Accepted	☐ Revise and Resubmit
Review Comments:		
17.4(e) The owner, tenant and/or agent shall be jointly responsible for watering and maintaining all landscaping in a healthy, neat, and orderly condition, replacing it when necessary, and keeping it free of refuse and debris.		
☐N/A	☐ Accepted	☐ Revise and Resubmit
Review Comments: For applicant's information.		

Section 2.3.37 Planning District 37 Local Provisions

2.3.37.3(b) *Landscape Buffers for Major Projects Abutting Primary Roads.* Except as modified in subsection (c) below, a Major Project which abuts a freeway/expressway, arterial, or collector shall maintain a minimum of fifteen (15) feet of the required setback as a buffer along the entire width of the property which abuts said freeway/expressway, arterial, or collector except where curb cuts provide ingress and egress. Said buffer shall be planted with native overstory trees, understory trees, shrubs, and grass so that an attractive appearance is presented as detailed in the required landscape plan.		
Technical review annotations:		
☐N/A	☐ Accepted	☒ Revise and Resubmit
Review Comments: 15 ft landscape buffer shown along County Road 13		
12/15/25 Review Comments: On the landscape plan there is a note about removing trees (shown below). I need to know exactly which trees are being removed along the road to determine if the required landscape buffer will be sufficient. Depending on the amount of trees being removed, additional plantings may be required.		



2.3.37.3(c) *Special Landscape Buffers for Intense Major Projects Abutting Public Roads.* When any of the following uses abut a public road, the said use shall maintain a minimum of twenty (20) feet (can be part of the required setback) as a buffer along the entire width of the property which abuts said road except where curb cuts or driveways provide ingress and egress. Said buffer shall consist of a combination of native canopy trees, understory trees, and shrubs which shall be of sufficient height to create a visual barrier and so that an attractive appearance is presented as detailed in the required landscape plan. 1. Mini-warehouse 2. Recreational Vehicle Park 3. Manufactured Home Park 4. Hotel & Motel 5. All Transportation, Communication, & Utility Uses 6. All Light & General Industrial Uses 7. A Subdivision that meets the requirements of a Major Project
Technical review annotations:
☐N/A ☒ Accepted ☐ Revise and Resubmit
Review Comments:

2.3.37.3(d) *Native Plants Required in Landscape Buffers.* In District 37, all required landscape buffers shall be planted with native plants that meet the requirements of the respective landscape buffer provision.
Technical review annotations:
☐N/A ☒ Accepted ☐ Revise and Resubmit
Review Comments:

2.3.37.3(e) *Sidewalks Required for Major Projects.* A Major Project (including a subdivision falling in this category) requiring a Commission Site Plan, Preliminary Plat, Final Site Plan, or similar approval from a Planning Commission and that abuts a functionally classified road other than an interstate or freeway, shall construct as part of the project, a minimum 5-foot sidewalk along the entire portion of the parcel fronting the functionally classified road.
☐N/A ☒ Accepted ☐ Revise and Resubmit
Review Comments: 6' wide concrete sidewalk shown on site plan

2.3.37(f) *Wetlands to be Set Aside in Common Areas.* Wetlands within any subdivision that meets the definition of a Major Project shall be set aside within a common area. The requirements of this provision shall not apply to man-made wetlands constructed in uplands.
☒N/A ☐ Accepted ☐ Revise and Resubmit
Review Comments:

Date of Latest Form Revision: 2/1/2024

2.3.37.3(g) *Animal Husbandry Permitted in Residential Districts.* The rearing, breeding, and raising of horses, cows, goats, sheep, and chickens (excluding roosters), shall be permitted in all Single-Family Residential Districts that meet the following minimum acreage requirements:

Animal	Minimum Acreage*	Maximum Number of Permitted
Cow (Cow/Calf Pair)	1.5	1 cow & 1 calf
Goat/Sheep	1	6
Horse	1.5	1
Chicken	0.5	8 hens per 0.5 acres

☒N/A ☐ Accepted ☐ Revise and Resubmit

Review Comments:

2.3.37.3(h) *Special Parking Requirements to Reduce Impacts of Impervious Areas.* To encourage the use of shared parking and reduce the impacts of large impervious parking areas, the requirements of Section 15.2 Parking Schedule, may be substituted for the requirements dictated in a Parking Study prepared by an Alabama Licensed Professional Engineer in accordance with the most recent edition of the ITE Parking Generation Manual. The Planning and Zoning Director may, if he or she determines that the ITE Parking Generation Manual data fails to represent local conditions, require the applicant to collect and use localized parking generation data from similar uses in preparing its parking study.

☒N/A ☐ Accepted ☐ Revise and Resubmit

Review Comments:

2.3.37.3(i) *High Intensity Commercial and Residential Development to be Clustered at Major Activity Nodes.* Single Family District (RSF-3), Single Family District (RSF-4), Two Family District (RTF-4), Single Family District (RSF-6), Two Family District (RTF-6), Multiple Family District (RMF-6), General Commercial (B-3), and Major Commercial (B-4) Districts shall be clustered at major activity nodes to reduce the spread of traffic congestion throughout the district and lessen the overall burden of commercial development and higher intensity residential development on infrastructure.

An RSF-3, RSF-4, RTF-4, RSF-6, RTF-6, RMF-6, B-3, and B-4 rezoning application may only be submitted for parcels within the radial distances specified below for the various road intersections. A parcel's location within the prescribed radius does not guarantee approval of the requested zoning. Each application shall be reviewed against the factors proscribed in *Section 19.6 Factors for Reviewing Proposed Amendments*, in the same manner as any other rezoning application.

Intersection:	RTF-6, RSF-6, RTF-4, RSF-4, & RSF-3 Permitted within:	RMF-6 Permitted within:	B-3 Permitted within:	B-4 Permitted within:
SR 181 & SR 104	0.5 miles	0.25 miles	0.5 miles	0.25 miles
SR 181 & Fairhope Ave	0.25 miles	0.1 miles	0.25 miles	0.1 miles
SR 181 & Gayfer Ave	0.1 miles	Not permitted	0.1 miles	Not permitted
SR 181 & Twin Beech Rd	0.1 miles	Not permitted	0.1 miles	Not permitted
US 98 & Dyer Ave	0.25 miles	Not permitted	0.25 miles	Not permitted
US 98 & Gayfer Ave	0.25 miles	Not permitted	0.25 miles	Not permitted

When a parcel intersects the distance boundary specified above, only the parcel area beyond 500-feet from such boundary shall be permitted for the proposed rezoning.

In Planning District 37, High Density Residential District (HDR) zoning district shall not be available in Planning District 37 and all references in the zoning ordinance to such district are deleted, except as to lots or parcels included in such districts as of July 19, 2022.
Technical review annotations:
☒N/A ☐ Accepted ☐ Revise and Resubmit
Review Comments:

2.3.37.3(j) *Wetland Buffers.* In District 37, development may not occur within fifty (50) feet of any jurisdictional wetlands, non-jurisdictional wetlands, or jurisdictional streams. The required buffer shall not be disturbed and shall be maintained in its natural state, except for the removal of invasive, exotic species. The requirements of this provision shall not apply to man-made wetlands constructed in uplands. Notwithstanding the language above, in District 37, on a Major Project, development may not occur within one hundred (100) feet of the mean high-water mark of Fish River. The required buffer shall not be disturbed and shall be maintained in its natural state, except for the removal of invasive, exotic species.
Technical review annotations:
☐N/A ☒ Accepted ☐ Revise and Resubmit
Review Comments:

2.3.37.3(k) *Density Limitations within Residential Manufactured Housing District.* Residential Manufactured Housing (RMH) zoning district shall only be available at a reduced density of four units per acre.
Technical review annotations:
☒N/A ☐ Accepted ☐ Revise and Resubmit
Review Comments:

2.3.37.3(l) *Auto Convenience Markets.* Auto Convenience Markets shall be limited to Major Commercial (B-4) Districts.
Technical review annotations:
☒N/A ☐ Accepted ☐ Revise and Resubmit
Review Comments:

2.3.37.3(m) *Commercial Building Façade Requirements.* The front façade of a proposed building within a Commercial District or for a proposed building that will be part of a Professional Service & Office Use or Commercial Use in a non-commercial district, which is visible from a public right-of-way, shall be constructed of masonry, wood, or other materials which will present a pleasing appearance and which will be compatible with the surrounding area. It is the intent of this provision to prohibit the use of traditional steel panel siding as a front façade that is visible from the road on commercial uses. This provision shall not apply to the portions of a structure that are fully screened from view by a required, "visual barrier" landscape buffer.
☐N/A ☒ Accepted ☐ Revise and Resubmit

Supplemental Comments – Permit Engineer
Review Comments:

Supplemental Comments – Natural Resources
Review Comments:

Supplemental Comments – E911 Addressing (Optional, if needed)

Date of Latest Form Revision: 2/1/2024

Supplemental Comments – Planning Jurisdiction City (Optional, if needed)
Review Comments:

Supplemental Comments – Lighting
Review Comments:

Supplemental Comments – P&Z (General)
Review Comments:

Supplemental Comments – P&Z (Household Garbage)
Review Comments:

Supplemental Comments – P&Z (Secondary Entrance)
Review Comments:

FOR APPLICANT'S INFORMATION
5.12.1, 5.12.2(a-c) For the applicant's information Developments which produce an increase in the amount of stormwater runoff will be required to construct storm water management facilities. **Provisions shall be made to address 100-year storm events** to ensure that retention/detention facilities survive such events. Any development in the Fish River, Magnolia River, or Wolf Bay watersheds shall be subject to additional guidelines and requirements (Watershed maps are in Appendix 5 of Subdivision Regulations) **Minimum Requirements for Stormwater Detention/Retention and Design Criteria** (a) *Liability.* The design criteria establish minimum elements of design which must be implemented with good engineering and good workmanship. Use of the information contained herein..shall not constitute a representation, guarantee, or warranty of any kind by Baldwin County Commission, its offices or employees, of the practicability, adequacy or safety and shall not create liability upon or cause action against any such public body, office, or employee for any damage that may result pursuant thereto. (b) *Engineer's Seal.* All plans, specifications, and calculations submitted shall be prepared and signed by an Alabama licensed engineer and shall meet the minimum standards and requirements of the County, and other applicable authorities. (c) *Pre-Design Conference.* The developer and Design Engineer are encouraged to contact the County for a pre-design conference at the conceptual stage of the project.
13.12.2(c) Length of Permit Validity. If land disturbing activities are not started within six (6) months and /or the land disturbance work is not completed within two (2) years from the date of the permit issuance, said permit shall become invalid and a new permit is required.
13.12.3(a-b) *General Design Principles.* The following principles apply to all land disturbing activities within the jurisdiction of the Baldwin County Planning and Zoning authority and should be considered when preparing construction plans and/or submissions required under this ordinance: a. To minimize the potential for soil erosion, development should fit the topography and soils of the site. Areas with extreme slopes where cuts and fill would be required should be avoided. b. Natural vegetation should be maintained and protected wherever and whenever possible. Areas immediately adjacent to watercourses, wetlands and lakes should be left undisturbed wherever possible.
13.12.3(d-k) *General Design Principles.* The following principles apply to all land disturbing activities within the jurisdiction of the Baldwin County Planning and Zoning authority and should be considered when preparing construction plans and/or submissions required under this ordinance: d. Sediment basins, silt traps and filters should be installed prior to the beginning of construction to remove as much sediment as possible from runoff leaving the site or entering watercourses, wetlands, lakes or reservoirs. e. The selection of soil erosion and sedimentation control measures should be based on the size of the project, the frequency of climatic events likely to accelerate erosion, the season during which the project is being constructed, and the potential for damage should erosion and sedimentation occur. f. In the design of erosion and sedimentation control measures the requirements for proper maintenance will be considered.

g. Provision should be made to accommodate the increased runoff caused by altered surface and soil conditions both during and after development. Drainage ways should be designed so that their final gradients and resultant velocities will not cause erosion.
h. Provision should be made for the proper transport of soil from the site without tracking or spilling soil along the transport route.
i. Provisions should be made for the proper onsite containment of all construction materials, washout water, and solid waste.
j. Permanent vegetation and erosion control structures should be installed and temporary structures removed prior to the issuance of final occupancy permits.
k. Any land disturbance activity which takes place in a right-of-way will require approval from the governing agency and written evidence of approval shall be submitted with the application.

13.12.4 *Design Criteria, Standards and Specifications.* All erosion and sediment control measures, including, but not limited to those required to comply with this ordinance, shall meet the design criteria, standards and specifications given in the most current version of the Alabama Handbook for Erosion Control, Sediment Control and Storm Water Management on Construction Sites and Urban Areas.

13.12.7 *Enforcement*

a. *Stop Work Notice.* The Planning & Zoning Department may issue a stop work notice in accordance with the zoning ordinance for any work not conforming to the requirements of this ordinance. The stop work notice may be lifted only after the work has been made to conform to this ordinance. If, after the stop work order has been issued for a period of not less than ten (10) calendar days and the work is not in compliance with this ordinance the Department may serve notice of zoning violation.
b. *Fines for Violation.* In addition to any and all other remedies set forth in this ordinance for a violation thereof, the Planning Director or his/her designee may, for any violation of this ordinance, levy a fine against the violator(s) of up to $150.00 for each occurrence, each day being a separate occurrence. The Department shall notify the violator(s) of such fine, in writing.
c. *Fines for Working Without a Permit.* The fine for working without a permit, when related to work for which a permit is attainable under this ordinance, will be double the normal fee that would have otherwise been required to obtain the permit for the land disturbance work.

13.12.8 *Exemptions.* This ordinance shall apply to any land-disturbing activity undertaken by any person on any land except for the following activities. These activities may be subject to regulation by State and Federal agencies.

a. Any emergency activity that is immediately necessary for the protection of life, property or natural resources. However, after the emergency has been abated, the applicant shall apply for a Land Disturbance if required by the thresholds in Section 13.12.2(a).
b. Surface mining or land fill operations permitted by ADEM
c. Agricultural activities as defined herein.
d. Any project carried out under the technical supervision of the Natural Resources Conservation Service of the United States Department of Agriculture, the State of Alabama, the Mobile Bay National Estuary Program, or Baldwin County Commission.
e. Construction or maintenance projects, or both, undertaken or financed in whole or in part, or both, by the Department of Transportation; or any road construction or maintenance project, or both, undertaken by any county or municipality.
f. Forestry land management practices, including harvesting; provided, however, that the Alabama's Best Management Practices for Forestry are followed, and a Forest Management Plan is in place.

18.9.6 *Conditions and restrictions on approval.* In approving a site plan, the Planning Commission may impose conditions and restrictions upon the property benefited by the site plan approval as may be necessary to comply with the standards set out above, to reduce or minimize any potentially injurious effect of such site plan approval upon the property in the neighborhood, and to carry out the general purpose and intent of the ordinances. These conditions may include but are not limited to increasing the required lot size or yard dimensions; controlling the location and number of vehicle access points; increasing the number of off-street parking and loading spaces required; limiting the number, size and location of signs; and required fencing, screening, lighting, landscaping or other facilities to protect adjacent or nearby property.

In approving any site plan, the Planning Commission may specify a period of time different than the 180-day default time period from Section 18.2.4 for the commencement (issuance of a building permit) of the proposed use. Failure to comply with any such condition or restriction imposed by the Planning Commission shall constitute a violation of these ordinances. Those site plans which the Planning Commission approves subject to conditions shall have 30 days to submit an amended site plan incorporating the required conditions, unless a longer time frame is specified by the Planning Commission.

18.9.7 *Right of appeal.* The applicant may appeal the denial of the Commission Site Plan Approval to the County Commission in writing within twenty (20) calendar days after the rejection of the application. Notice of the appeal shall be perfected by delivering written notification of the appeal to the County Zoning Administrator within the time allowed specifying the grounds thereof. Upon notice to the County Zoning Administrator, the Planning Commission or staff shall transmit its file, including all documents and statements relied upon by the Planning Commission in rendering its decision, to the County Commission.

ADEM
Alabama Department of Environmental Management

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT

DISCHARGE AUTHORIZED: DISCHARGES FROM CONSTRUCTION ACTIVITIES THAT RESULT IN A TOTAL LAND DISTURBANCE OF ONE ACRE OR GREATER AND SITES LESS THAN ONE ACRE BUT ARE PART OF A COMMON PLAN OF DEVELOPMENT OR SALE

AREA OF COVERAGE: THE STATE OF ALABAMA

PERMIT NUMBER: ALR10C6PT

RECEIVING WATERS: ALL WATERS OF THE STATE OF ALABAMA

In accordance with and subject to the provisions of the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§1251-1378 (the "FWPCA'J, the Alabama Water Pollution Control Act, as amended, Code of Alabama 1975, §§ 22-22-1 to 22-22-14 (the "AWPCA'J , the Alabama Environmental Management Act, as amended, Code of Alabama 1975, §§22-22A-1 to 22-22A-15, and rules and regulations adopted thereunder, and subject further to the terms and conditions set forth in this permit, the Permittee is hereby authorized to discharge into the above-named receiving waters.

ISSUANCE DATE: March 12, 2021

EFFECTIVE DATE: April 1, 2021

EXPIRATION DATE: March 31, 2026

Jeffery W. Kitchen

Alabama Department of Environmental Management

Construction Best Management Practices Plan for:

Floor Medic

County Road 13
Fairhope, AL 36532

Permittee:

Chavim LLV
PO Box 372
Daphne, AL 36526
Phone: 2516103400
chad@floor-medic.com

CBMPP Contact(s) / QCP:

Lieb Engineering Company, LLC
Christopher Jay Lieb, PE
1290 Main St. Ste E
Daphne, Alabama 36526
251 978 9779 cell
clieb@liebengineering.com

CBMPP Preparation Date:

March 2024

Estimated Project Dates:

Project Start Date: **7/03/2025**
Project Completion Date: **7/03/2026**

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SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

1.1 Project/Site Information

Project/Site Name: Floor Medic

Project Street/Location: County Road 13

City: Fairhope State: AL ZIP Code: 36532

County: Baldwin

Total Disturbed Acres: 3.77

Latitude/Longitude of the Project Site (front gate). [Use **one** of three possible formats, and specify method]

Latitude:	Longitude:
1. N (degrees, minutes, seconds)	1. W (degrees, minutes, seconds)
2. _ _ ° _ _ . _ _ ' N (degrees, minutes, decimal)	2. _ _ ° _ _ . _ _ ' W (degrees, minutes, decimal)
3. 30°31'33.99"N (decimal)	3. -87°52'9.58"W (decimal)

Method for determining latitude/longitude:

☐ USGS topographic map (specify scale): _____ ☒ EPA Web site ☐ GPS

☐ Other (please specify): _____

1.2 Contact Information/Responsible Parties

Permittee:

Chavim LLC
PO Box 372
Daphne, AL 36526
Phone: 2516103400
chad@floor-medic.com

Project Manager(s) or Site Supervisor(s):

To Be Determined

CBMPP Contact(s) / QCP:

Lieb Engineering Company, LLC
Christopher Jay Lieb
1290 Main St Ste E
Daphne, Alabama 36526
251 978 9779 Cell

QCI or Qualified Person(s):
To Be Determined

This CBMPP was Prepared by:
CBMPP Contact(s) / QCP:

Lieb Engineering Company, LLC
Christopher Jay Lieb
1290 Main St Ste E
Daphne, Alabama 36526
251 978 9779 Cell

Emergency 24-Hour Contact:

Chad Breaux
PO Box 372
Daphne, AL 36526
Phone: 2516103400
chad@floor-medic.com

1.3 Nature and Sequence of Construction Activity

Table 1. Intended Sequence and BMP Implementation of Excavation and Backfilling.

Start Date (No Later Than)	Area of Excavation and Grading
June 3, 2025	Install perimeter silt fencing and inlet protection
September 10, 2025	Clear, grub, perform earthwork and utility installation
January 10, 2026	Install building, hardscapes and landscaping
June 3, 2026	Stabilize the site and remove erosion control devices

Proposed Activity(ies) to be Conducted:
☐ Residential x☒ Commercial ☐ Industrial ☐ Road Construction ☐ Linear Utility
☐ Other (please specify): _____

Table 2: Multiple Operators

Operator Name	Contact Information	Area of Control
Not applicable		

1.4 Receiving Waters

Description of receiving waters:

Cowpen Creek is the receiving water.

Description of storm sewer systems:

Runoff will be conveyed to the detention pond via underground storm sewer system. The pond will discharge to an existing ditch on the west side of the property.

Description of impaired waters or waters subject to TMDLs:

The 2020 State of Alabama 303(d) List of Impaired Waterbodies does not include Cowpen Creek.

1.5 Potential Sources of Pollution

Table 3: Known Potential Pollutants (other than sediment) to Stormwater

Trade Name Material	Potential Known Stormwater Pollutants	Storage Location
Gasoline	Hydrocarbons in tanks of equipment with gasoline-powered engines, pickup trucks car, etc.	In tanks of equipment with gasoline-powered engines, pickup trucks car, etc. Small containers (less than 5 gallons) may be used through the site for fueling small equipment. Containers of gasoline should be stored in sealed containers protected from precipitation contact and stormwater runoff, and should be maintained in a contained area that does not readily drain to the storm sewer inlets.
Diesel Fuel	Hydrocarbons in tanks of equipment with diesel-powered engines, pickup trucks, bulldozers, etc.	Not anticipated to be stored on-site except in the tanks of equipment (see above)
Lubricating Oils and Greases	Hydrocarbons	Engine crankcases, transmissions and gear boxes. Containers of lubricating oils and greases should be stored in sealed containers protected from precipitation contact and stormwater runoff, and should be maintained in a contained area that does not readily drain to the storm sewer inlets.
Hydraulic Fluids	Hydrocarbons	Equipment hydraulic systems
Paints	Hydrocarbons	In covered, contained area near painting activity
Concrete Truck Washout	Elevated pH and potentially heavy metals if fly ash is part of the concrete mix	Collected and contained (without precipitation contact) within a pit that will allow for hardening, followed by appropriate disposal or recycling

		procedures
Metal Sanding and Cuttings Residue	Metals (toxic metals not present)	To reduce potential contact with precipitation and stormwater runoff, perform sanding and cutting activities in sheltered areas.

1.6 Maps

Appendix A provides general location maps that include a USGS topographic map.

Appendix B contains site maps and plans pertaining to this CBMPP.

SECTION 2: EROSION AND SEDIMENT CONTROL BMPS

Part III.A.1. of the ADEM General Stormwater Permit for Construction Activities requires the Permittee to design, install and maintain effective erosion and sediment control measures appropriate for site conditions to, at a minimum, control stormwater volume and velocity within the site to minimize soil erosion.

Part III.A.13. of the ADEM General Stormwater Permit for Construction Activities requires that the erosion control and sediment control measures be designed, implemented, and maintained to, at a minimum, address the following additional design requirements:

a) Sediment control measures, erosion control measures, and other site management practices must be properly selected based on site-specific conditions, must meet or exceed the technical standards outlined in the Alabama Handbook, and the site-specific CBMPP must be prepared in accordance with Part III.D.

b) Unless specified otherwise by the Alabama Handbook, sediment control measures, erosion control measures, and other site management practices shall be designed and maintained to minimize erosion and maximize sediment removal resulting from a 2-year, 24-hour storm event.

The pre-developed project site is relatively flat and drainage is by way of "sheet flows." The flow of the water originates at the north side of the site and flows to the southwest side of the property.

Best Management Practice erosion and sediment control measures to be implemented at the project site will be described in the appropriate sections that follow.

Any and all sediment removed from the BMPs shall be disposed of off-site in a legal and approved manner.

2.1 Phase Construction Activity

Construction activities should be conducted in stages so as to minimize the extent and duration of the exposure of disturbed soils to stormwater. Similar to the stages of construction, there are phases of BMP implementation. The three phases of BMP implementation are perimeter control BMPs, build-out (intermediate) BMPs, and final stabilization BMPs.

Phase I Perimeter Controls

The first phase BMPs will include the installation of perimeter controls prior to site clearing, grubbing, and site grading. Perimeter controls typically include (but are not limited to) sediment barriers (such silt fencing), near the perimeter of the project. To prevent offsite tracking, construction exit pads are installed at points of egress onto paved roads. Although perimeter control BMPs will be initiated during Phase I, it may be necessary to maintain some of these measures throughout construction activities.

Phase II Intermediate Controls (Build-Out Phase BMPs)

BMPs implemented at the project site for Phase II will include continued use of perimeter sediment barrier BMPs and construction exit pads.

Phase II intermediate controls are implemented from grubbing to final grade. This phase of BMP implementation addresses the stages of construction when earth-moving activities are at their maximum and is typically the most difficult phase during which to control erosion and sedimentation. Phase II intermediate controls may include:

- Perimeter Silt Fence
- Temporary Seeding and Mulching
- Permanent Seeding and Mulching

The specific uses, categories, and applications of selected Phase II BMPs used on this project are described in Sections 2.2 through 2.9 of this document.

The contactor will implement good housekeeping BMPs at all times during project construction. During Phase II, both the extent and duration of exposure of unstabilized areas to precipitation is greatest, making the site most susceptible to erosion. The site will be stabilized to prevent raindrop splash erosion and/or stormwater runoff erosion. Part III.B. of the ADEM General Permit (the 13-day stabilization rule) requires that any area not undergoing active construction for 13 or more days to be immediately stabilized. Specific BMPs that are applicable to a phased approach (and which limit the extent and duration of exposure of unstabilized areas to precipitation) are described in Sections 2.1 through 2.9 of this document.

In addition to earth moving and grading, the development of the permanent stormwater management system (installation of culverts, storm sewers, and some waterways) is included in the second phase of BMP implementation. The contractor is responsible for implementation of all necessary BMPs to assure that sediment is not transported through the stormwater management system and that turbid waters are not discharged to Cowpen Creek.

Phase III Final Stabilization

The third phase involves final site stabilization measures, along with completion of the permanent stormwater management system. The establishment of permanent vegetation and/or landscaping is completed in this phase. However, any area that can be stabilized with permanent vegetation or landscape mulch should be completed during the earlier stages of site development as site conditions allow.

"Final stabilization" typically means that all soil-disturbing activities at the site have been completed; that a perennial vegetative cover and/or landscaping mulch sufficient to prevent erosion has been well established on all unpaved areas and on all areas not covered by permanent structures; and that all temporary BMPs have been removed and disposed of off-site appropriately. Upon final stabilization, the permanent stormwater management system is in place and functions as designed by discharging clear water free of sediment.

BMPs used during Phase III may include permanent vegetation, and detention ponds. The specific uses, categories, and applications of selected Phase III BMPs used on this project are described in Section 4.0 of this document.

2.2 *Control Stormwater Flowing onto and through the Project*

Stormwater flowing onto and through the construction site will be controlled by constructing perimeter sediment barriers and inlet protection.

The proposed development will concentrate the north and east runoff in the northeast corner to a new storm water inlet. This inlet will tie into the existing storm water system.

In addition to the drawings showing the locations of these BMPs, there are detail drawing for installation of Type "A" silt fencing, wattle sediment barriers, inlet protection, and construction exit pads in Appendix B.

PERIMETER SILT FENCE ☐ ***Permanent*** ☒ ***Temporary***

Detailed BMP Description: A silt fence sediment barrier consists of filter fabric stretched across and attached to supporting posts and then entrenched so as to trap or filter small amounts of sediments. Silt fencing may be used to control stormwater flowing onto and through a construction project; for inlet protection; as a perimeter barrier; or to help retain sediment on a construction site. Silt fencing is useful for removing coarse materials from stormwater, but is not effective for controlling fine clays. Silt fencing should not be installed across a concentrated flow of stormwater. Silt fence should be installed parallel to the slope contours with the edges of the silts curved uphill. Silt fencing shall be installed in accordance with (1) ALDOT Type "A" Standard Drawings (or similar Type "A" detail drawing); or (2) in accordance with applicable standards and/or specifications provided for silt fence sediment barriers in

the Alabama Handbook. If installing by hand, bury silt fence fabric 6 inches deep and 6 inches wide to allow 12 inches of fabric to be entrenched. Silt fence may also be installed effectively using mechanical equipment (such as an Enfencer). Specifications may vary depending on the installation method used, the anticipated flow rate, and the conditions and duration of use.	
Maintenance:	Immediately repair all areas of concern. Remove sediment when it reaches ⅓ of the height of the silt fence and never let sediment exceed ½ the height of the silt fence. Reinstall and properly entrench any section of silt fencing with undercutting or under piping concerns. Replace any torn fabric with a continuous piece of fabric from post to post and attach with staples. If runoff is escaping around the fence, extend the fence and turn the ends uphill. If the silt fence collapses or is damaged by construction traffic, check and/or adjust the post size/spacing, wire mesh gauge, fabric strength, drainage area, and/or slope length/gradient behind the barrier.
Inspection:	Inspect weekly, before anticipated storm events, and after storm events
Responsible Staff:	TBD

2.3 Stabilize Soils

Part III. B. requires that final stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating or other earth disturbing activities have permanently ceased on any portion of the site. Temporary stabilization of disturbed areas must be initiated immediately whenever work toward project completion and final stabilization of any portion of the site has temporarily ceased on any portion of the site and will not resume for a period exceeding thirteen (13) calendar days. The Alabama Handbook provides directions related to temporary seeding, mulching and sodding to be used for temporary and final stabilization.

TEMPORARY SEEDING AND MULCHING ☐ ***Permanent*** ☒ ***Temporary***

Detailed BMP Description: Temporary seeding is the establishment of fast-growing, one-season vegetative cover on disturbed areas. Temporary seeding (in conjunction with mulching) should be used when seasonal conditions or future construction activities do not allow for final stabilization. Temporary stabilization of disturbed areas must be initiated immediately whenever work toward project completion and final stabilization of any portion of the site has temporarily ceased on any portion of the site and will not resume for a period exceeding thirteen (13) calendar days. The Alabama Handbook provides detailed specifications (including planting rates and dates appropriate for each region of the state) for temporary seeding and mulching. Seedbed preparation and soil amendments (lime and fertilizer) should be applied in accordance soil test results or the recommendations of the Alabama Handbook. The seed type

should be appropriate for the climate, orientation, soil, slope, and maintenance. Once construction is completed in an area, permanent (not temporary) vegetation should be planted.

Maintenance:	Denuded areas and potential areas of erosion concerns should be stabilized as soon as practicable. Reseed and mulch any area where there is a poor stand of temporary vegetation or areas with erosion concerns. Divert water away from a seeded area if rills or gullies appear. Implement weed control as needed. Mow to specified heights.
Inspection:	Check the site for denuded areas and potential erosion concerns at least weekly and after rainfall events.
Responsible Staff:	TBD

TEMPORARY SEEDING GUIDELINES
STATE OF ALABAMA

Species	Seeding Rate, PLS per acre	Regional Seeding Dates		
		North	Central	South
Millet, Browntop or German	40 lb.	May 1 – Aug 1	Apr 1 – Aug 15	Apr 1 – Aug 14
Rye	3 bu.	Sept 1 – Nov 15	Sept 15 – Nov 15	Sept 15 – Nov 15
Ryegrass	30 lb.	Aug 1 – Sept 15	Sept 1 – Oct 15	Sept 1 – Oct 15
Sorghum-Sudan Hybrids	40 lb.	May 1 – Aug 1	Apr 15 – Aug 1	Apr 1 – Aug 15
Sudangrass	40 lb.	May 1 – Aug 1	Apr 15 – Aug 1	Apr 1 – Aug 15
Wheat Common	3 bu.	Sept 1 – Nov 1	Sept 15 – Nov 15	Sept 15 – Nov 15
Common Bermudagrass	10 lb.	Apr 1 – July 1	Mar 15 – July 15	Mar 1 – July 15
Crimson Clover	10 lb.	Sept 1 – Nov 1	Sept 1 – Nov 1	Sept 1 - Nov 1

PLS = pure live seed
Source: Alabama Handbook, 2018.
See Alabama Handbook for map showing the counties in each regional geographical area.

PERMANENT SEEDING AND MULCHING ☒ *Permanent* ☐ *Temporary*

Detailed BMP Description: Permanent seeding is used to establish perennial vegetative cover on disturbed areas that will not be developed sooner than 12 months. The Alabama Handbook provides detailed specifications (including planting rates and dates appropriate for each region of the state) for permanent seeding and mulching. Soil amendments (lime and fertilizer) should be applied in accordance soil test results or the recommendations of the Alabama Handbook. The seed type should be appropriate for the climate, orientation, soil, slope, and maintenance of the planting location.

Maintenance:	Areas with poor stands of vegetation should be replanted with perennial seed or sodded. Divert water away from a seeded area if rills or gullies appear. Implement weed control as needed. Mow to specified heights.
Inspection:	Check the site for denuded areas and potential erosion concerns at least weekly and after rainfall events.
Responsible Staff:	TBD

PERMANENT SEEDING GUIDELINES STATE OF ALABAMA				
Species	Seeding Rate, PLS per acre	Regional Seeding Dates		
		North	Central	South
Bahiagrass, Pensacola	40 lb.	N/A	Mar 1 – July 1	Feb 1 – Nov 1
Bahiagrass, Common	10 lb.	Apr 1 – July 1	Mar 15 – July 15	Mar 1 – July 15
Bahiagrass, Pensacola and Bermudagrass, Common	30 lb. 5 lb.	N/A	Mar 1 – July 1	Mar 1 – July 15
Fescue, Tall	40-50 lb.	Sept 1 – Nov 1	Sept 1 – Nov 1	N/A
Sericea	40-60 lb.	Mar 15 – July 15	Mar 1 – July 15	Feb 15 – July 15
Sericea and Common Bermudagrass	40-60 lb. 10 lb.	Mar 15 – July 15	Mar 1 – July 15	Feb 15 – July 15
Switchgrass, Alamo	4 lb.	Apr 1 – Jun 15	Mar 15 – Jun 15	Mar 15 – Jun 15

PLS = pure live seed
N/A = not applicable
Source: Alabama Handbook, 2018
See Alabama Handbook for map showing the counties in each regional geographical area.

2.4 Stabilize Slopes

The ADEM permit requires that the permittee design, install and maintain effective erosion and sediment control measures appropriate for site conditions to, at a minimum, minimize the disturbance of steep slopes, unless infeasible.

The project site is relatively flat and does not contain significant slopes of steepness or length to make these soil surfaces susceptible to significant erosion concerns due to topographic factors. The soil located on this site is a sandy loam with a rating ranging from A-D depending on the slope. Areas where water is undrained the soil classification is D. The erodibility of the soil will be low due to the lack of slope on the site. Nevertheless, in accordance with the ADEM General Stormwater Permit for construction activities, disturbed soil surfaces should be stabilized immediately.

Fill soil materials will be used. These areas will need to be stabilized immediately on completion of filling and grading. Temporary stabilization during construction may be performed by the use of mulching, by erosion control fabric and temporary seeding. Installation of perimeter barriers (silt fence) will to be used to help contain minor washouts that may occur during construction. If storage piles of soil are left for longer than three (3) days it shall be completely encircled with silt fence.

PERIMETER SILT FENCE ☐ ***Permanent*** ☒ ***Temporary***

Detailed BMP Description: A silt fence sediment barrier consists of filter fabric stretched across and attached to supporting posts and then entrenched so as to trap or filter small amounts of sediments. Silt fencing may be used to control stormwater flowing onto and through a construction project; for inlet protection; as a perimeter barrier; or to help retain sediment on a construction site. Silt fencing is useful for removing coarse materials from stormwater, but is not effective for controlling fine

clays. Silt fencing should not be installed across a concentrated flow of stormwater. Silt fence should be installed parallel to the slope contours with the edges of the silts curved uphill. Silt fencing shall be installed in accordance with (1) ALDOT Type "A" Standard Drawings (or similar Type "A" detail drawing); or (2) in accordance with applicable standards and/or specifications provided for silt fence sediment barriers in the Alabama Handbook. If installing by hand, bury silt fence fabric 6 inches deep and 6 inches wide to allow 12 inches of fabric to be entrenched. Silt fence may also be installed effectively using mechanical equipment (such as an Enfencer). Specifications may vary depending on the installation method used, the anticipated flow rate, and the conditions and duration of use.

Maintenance:	Immediately repair all areas of concern. Remove sediment when it reaches ⅓ of the height of the silt fence and never let sediment exceed ½ the height of the silt fence. Reinstall and properly entrench any section of silt fencing with undercutting or under piping concerns. Replace any torn fabric with a continuous piece of fabric from post to post and attach with staples. If runoff is escaping around the fence, extend the fence and turn the ends uphill. If the silt fence collapses or is damaged by construction traffic, check and/or adjust the post size/spacing, wire mesh gauge, fabric strength, drainage area, and/or slope length/gradient behind the barrier.
Inspection:	Inspect weekly, before anticipated storm events, and after storm events
Responsible Staff:	TBD

MULCHING ☒ ***Permanent*** ☐ ***Temporary***

Detailed BMP Description: Mulching is the use of plant residue to protect bare soil surfaces from rainfall, retain moisture in the soil, inhibit the growth of weeds, and provide temperature moderation. Mulch may be used alone or with applied with seed. Apply enough mulch so that you cannot see bare soil, but do not apply in thicknesses of more than 1-to-2 inches if the soil underneath the mulch has been seeded. Mulch materials may be in solid form (hay, wheat straw, pine bark) or liquid formulations (hydromulch) used for dust control, moisture control, or for adding soil amendments.

Maintenance:	Mulch can be easily blown or washed away. Reapply and/or increase the amount of mulch if coverage is inadequate. Anchor mulch to the ground by crimping, cover with a net, or use tackifier if movement is detected. If mulch materials are reapplied and still do not remain in place, consider the use of a rolled erosion control product (RECP). Repair and reapply any mulch materials that have deteriorated since the initial application. If the proper type of seed has been used and vegetation growth is inadequate, make sure that the mulch is not too thick.

Inspection:	Inspect at least monthly, before anticipated rainfall events, and after rainfall events.
Responsible Staff:	TBD

2.5 Protect Storm Drain Inlets

Part III.A.9 of the ADEM Construction Storm Water NPDES Permit requires that, where applicable, storm drain inlet protection measures are to be designed, implemented, and maintained to prevent sediment discharges.

Storm drain inlets are being constructed at the site. Inlet protection will be required until all areas contributing drainage to the inlets are fully stabilized. Figure 1 (Appendix B) provides the location of storm sewer inlets at the site.

INLET PROTECTION	☐ ***Permanent***	☒ ***Temporary***
Detailed BMP Description: Until disturbed areas on the construction site are permanently stabilized, wattles and gravel bags should be installed at inlets to prevent sediment from entering storm water conveyance systems. Wattles should made of excelsior (wood shavings or wood wool) and should be installed and maintained in accordance with manufacturer's directions. Gravel bags should be made of a coarse-weave fabric to allow storm water to flow through and be filled with No. 4 stone. Straw bales (alone or together with rock) are not recommended for inlet protection.		
Maintenance:	Remove sediment from the pool area when the capacity is reduced by 50% or it reaches one-third to one-half the height of the barrier. Deteriorated and sediment-laden wattles should be replaced and disposed of appropriately. Gravel bags that fill with sediment, have become torn, or become deteriorated should be replaced. If flooding is noted around or below the inlet, remove any accumulated sediment and debris; replace the wattle or gravel bags; or reroute the runoff to a more suitable area. If undercutting of the inlet protection measures occurs, retrench the installation, backfill, and compact the soil.	
Inspection:	Inspect weekly, prior to rainfall events, and after rainfall events.	
Responsible Staff:	TBD	

2.6 Establish Perimeter Controls and Sediment Barriers

Structural practices to filter and trap sediment before it leaves the construction site should be employed when and where needed, as noted on the attached drawings and figures and as described below and in other sections of this CBMPP.

PERIMETER SEDIMENT BARRIERS ☐ ***Permanent*** ☒ ***Temporary***

Detailed BMP Description: Perimeter sediment barriers are installed prior to soil disturbance activities to prevent possible off-site sediment transport. Perimeter sediment barriers include silt fence, wattles (fiber rolls), brush barriers, and other structural barriers. Because of their ineffectiveness, the use of straw bales is discouraged by the USEPA and the International Erosion Control Association. Perimeter sediment barriers should be installed prior to soil denuding and/or grading according to the Alabama Handbook specifications and/or manufacturer's directions for the specific type of barrier used.

Maintenance:	Immediately repair any areas of concern. Remove sediment when it reaches ⅓ of the height or capacity of the barrier and never let sediment exceed ½ the height or capacity.
Inspection:	Inspect perimeter sediment barriers weekly, before anticipated storm events, and after rainfall events.
Responsible Staff:	TBD

SILT FENCE PERIMETER BARRIERS ☐ ***Permanent*** ☒ ***Temporary***

Detailed BMP Description: A silt fence sediment barrier consists of filter fabric stretched across and attached to supporting posts and then entrenched so as to trap or filter small amounts of sediments. Silt fencing may be used to control stormwater flowing onto and through a construction project; for inlet protection; as a perimeter barrier; or to help retain sediment on a construction site. Silt fencing is useful for removing coarse materials from stormwater, but is not effective for controlling fine clays. Silt fencing should not be installed across a concentrated flow of stormwater. Silt fence should be installed parallel to the slope contours with the edges of the silts curved uphill.

Silt fencing shall be installed in accordance with (1) ALDOT Type "A" Standard Drawings (or similar Type "A" detail drawing); or (2) in accordance with applicable standards and/or specifications provided for silt fence sediment barriers in the Alabama Handbook. If installing by hand, bury silt fence fabric 6 inches deep and 6 inches wide to allow 12 inches of fabric to be entrenched. Silt fence may also be installed effectively using mechanical equipment (such as an Enfencer). Specifications may vary depending on the installation method used, the anticipated flow rate, and the conditions and duration of use. The three types of silt fences that are used on construction sites in Alabama are described in the table below.

	Type A	Type B	Type C
Flow Rate	70 gal./min./sq. ft.	25 gal./min./sq. ft.	25 gal./min./sq. ft.
Minimum fabric width	36 in.	36 in.	22 in.
Wire reinforcement?	Yes	No	No
Conditions for use	When runoff velocities are high; where vertical slopes exceed 10 ft.	Where life of project is less than or equal to 6 months	Limited to minor projects where duration of project is less than 6 months

Maintenance:	Immediately repair all areas of concern. Remove sediment when it reaches ⅓ of the height of the silt fence and never let sediment exceed ½ the height of the silt fence. Reinstall and properly entrench any section of silt fencing with undercutting or under piping concerns. Replace any torn fabric with a continuous piece of fabric from post to post and attach with staples. If runoff is escaping around the fence, extend the fence and turn the ends uphill. If the silt fence collapses or is damaged by construction traffic, check and/or adjust the post size/spacing, wire mesh gauge, fabric strength, drainage area, and/or slope length/gradient behind the barrier.
Inspection:	Inspect monthly, before anticipated rainfall events, and after rainfall events.
Responsible Staff:	TBD

2.7 Retain Sediment On-Site

The ADEM Construction Storm Water Permit requires the permittee to design, install and maintain effective measures appropriate for site conditions to, at a minimum, minimize sediment discharges from the site. Discharges to surface waters from sediment basins or impoundments is prohibited, unless an outlet structure that withdraws water from the surface is used, unless it is infeasible to do so.

PERIMETER SEDIMENT BARRIERS ☐ ***Permanent*** ☒ ***Temporary***

Detailed BMP Description: Perimeter sediment barriers are installed prior to soil disturbance activities to prevent possible off-site sediment transport. Perimeter sediment barriers include silt fence, wattles (fiber rolls), brush barriers, and other structural barriers. Because of their ineffectiveness, the use of straw bales is

discouraged by the USEPA and the International Erosion Control Association. Perimeter sediment barriers should be installed prior to denuding and/or grading according to the Type "A" silt fence details provided in ALDOT Standard Drawing ESC-500 (Sheet 4 of 4) /Index Number 1161, Alabama Handbook specifications and/or manufacturer's directions for the specific type of barrier used.

Maintenance:	Immediately repair any areas of concern. Remove sediment when it reaches ⅓ of the height or capacity of the barrier and never let sediment exceed ½ the height or capacity.
Inspection:	Inspect perimeter sediment barriers weekly, before anticipated storm events, and after rainfall events.
Responsible Staff:	TBD

New DETENTION POND ☒ ***Permanent*** ☐ ***Temporary***

Detailed BMP Description: The new detention ponds shall be installed as early in the construction process as allowable and all stormwater from denuded areas shall be directed to the pond to prevent possible off-site sediment transport. This practice is designed to hold water for a period of time to allow the sediment to settle out before the water is discharged off site.

Maintenance:	Immediately repair any areas of concern. Remove sediment when it reaches ⅓ of the height or capacity of the barrier and never let sediment exceed ½ the height or capacity.
Inspection:	Inspect weekly, before anticipated storm events, and after rainfall events.
Responsible Staff:	TBD

2.8 Establish Stabilized Construction Exits

Part III.A.8. of the ADEM NPDES Permit requires the permittee to design, install and maintain effective erosion and sediment control measures appropriate for site conditions to, at a minimum, stabilize all construction entrances and exits; and minimize off-site tracking of sediment from vehicles.

CONSTRUCTION EXIT PAD ☐ ***Permanent*** ☒ ***Temporary***

Detailed BMP Description: A construction exit pad reduces the amount of sediment tracked by vehicles off-site onto public roads and helps prevent the construction exit from becoming a channel for stormwater runoff. Typically, stabilized construction exits are installed where construction traffic leaves or enters an existing paved road;

however, site entrance stabilization should be extended to any roadway or entrance where vehicles enter or leave the site. Because the site entrance/exit is the most noticeable part of a construction activity, stabilizing the area can improve both the appearance and the public perception of the construction project. All traffic exiting from the site should be restricted to designated areas that have construction exit pads in place.

A construction exit pad typically is constructed using DOT No.1 (3-to-6 inch diameter) stone placed over a geotextile liner. As a wheeled vehicle drives over the pad, mud and sediment are removed from the tires, which reduces the amount of soil that is transported off the site. The geotextile keeps the gravel from being ground into the soil below it and helps eliminate rutting caused by vehicle tires (because it spreads the weight of a vehicle over a soil area larger than the tire width). Construction exit pads should be a minimum of 50-to-100 feet in length, and at least 20 feet wide or wide enough to accommodate the largest piece of equipment and largest truck turning radius. See the Alabama Handbook for further guidance and specifications.

Maintenance:	Add or replace (redress) stones/gravel if the geotextile liner becomes exposed or if the stabilized construction exit pad becomes ineffective in preventing off-site tracking. At the end of each work day, sweep (do not wash) any material that has been tracked onto the paved surface and dispose of it properly. Extend the width of the pad if it is not wide enough for traffic. Using a vehicle wash station, clean the tires of vehicles if an accumulation of heavy clays or other sediments is found at the exit of the construction site.
Inspection:	Paved road surfaces near the construction exits/entrances should be inspected for off-site transport of sediments at least once per day.
Responsible Staff:	TBD

SECTION 3: GOOD HOUSEKEEPING (GROUNDS KEEPING) BMPS

3.1 Material Handling and Waste Management

Housekeeping should include picking up any trash observed at the project site during daily inspection activities or any other times trash or debris is observed. Collected trash should be placed in covered containers or dumpsters with lids to prevent contact with precipitation or stormwater flows. All site workers should be encouraged not to litter the project site and to pick up trash whenever present. Collected trash should be disposed of off-site in accordance with applicable environmental regulations at a facility permitted to do so. The contractor shall provide portable toilets in accordance with state and local regulations.

SANITARY/SEPTIC WASTE MANAGEMENT ☐ ***Permanent*** ☒ ***Temporary***

Detailed BMP Description: All sewage and other putrescible wastes associated with a construction site should be collected, stored, treated, and disposed of in accordance with applicable health and environmental regulations. Portable toilets should not be placed within the floodplains of streams or other waterbodies, within stormwater drainage, or within 50 feet of stormwater drain inlets. Portable toilets should be placed on level ground.

Maintenance:	Ensure that portable toilets are maintained and serviced regularly and properly by trained personnel. Evaluate the location and positioning of portable toilets as construction site conditions and/or activities change and relocate or secure as necessary.
Inspection:	Inspect at least daily, after windy storm events, during any construction activities that might overturn portable toilets, and when flooding is anticipated and/or has recently occurred.
Responsible Staff:	TBD

3.2 Designate Washout Areas

Controls should be put in place to eliminate the potential for discharges from washout areas associated with concrete mixers, paint, stucco, etc. BMP guidance related to concrete truck washout is provided below.

CONCRETE TRUCK WASHOUT ☐ ***Permanent*** ☒ ***Temporary***

Detailed BMP Description: Concrete truck washout shall be collected within pits located in specifically designated areas or in "washout boxes." The lining for the area shall be impermeable and 10-mil thick. The construction site superintendent should make truck drivers aware of washout facility locations and be watchful for improper dumping of cement-containing materials at the project site. Concrete trucks should not

discard surplus concrete or washout from the mixing drum within the immediate vicinity of drainage ways, water bodies, wetlands or in the right-of-way areas of roadways.	
Maintenance:	Remove hardened concrete when the washout pit or box becomes ½ to ¾ full. Dispose of hardened concrete at a landfill permitted to receive construction debris, or recycle and reuse hardened concrete washout materials and concrete rubble for revetment, paving, etc.
Inspection:	Inspect daily and remove hardened concrete as needed to maintain sufficient capacity in the washout pit.
Responsible Staff:	TBD

3.3 Establish Proper Equipment/Vehicle Fueling and Maintenance Practices

There will not be any stationary fuel storage at the project site. All fueling and equipment servicing will be performed using truck-mounted tanks and equipment. BMP guidance related to fueling and equipment maintenance is provided below.

VEHICLE AND EQUIPMENT MAINTENANCE ☐ ***Permanent*** ☒ ***Temporary***	
Detailed BMP Description: All onsite vehicles and equipment should be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. The contractor shall maintain onsite or have readily available sufficient absorbing material and/or flotation booms to contain and clean up vehicle fluid spills and leaks. Work on vehicles in designated areas only (preferably under covered areas). DO NOT pour vehicle fluids (antifreeze, oil, lubricants) onto the ground or into storm drain inlets. DO NOT overfill fuel tanks during fueling operations to minimize the chance of spills.	
Maintenance:	Place drip pans or pads under leaking equipment or vehicles. Use absorbent materials to clean up spills and dispose of spilled materials and any contaminated soils at a landfill permitted to receive petroleum-contaminated materials. Collect used fluids properly and store in labeled containers with secondary containment.
Inspection:	At least once per day and during each fueling operation.
Responsible Staff:	TBD

3.4 Control Equipment/Vehicle Washing

Only minimal equipment and vehicle washing is expected to be performed at the project site. Equipment and vehicle washing is expected to be needed only during wet site conditions when vehicles are muddy. The designated location for vehicle washing is the construction exit pad area. To enhance mud removal at the construction exit pad, washing can be performed with a power washer. Wash water used in the power washer should be free of detergents and chemicals. Discharges containing solvents/detergents and/or petroleum are prohibited under the ADEM Construction General Permit and must

be authorized under an NPDES industrial permit. See the BMP description below for additional information about this practice.

VEHICLE AND EQUIPMENT WASHING ☐ ***Permanent*** ☒ ***Temporary***	
Detailed BMP Description: Wash water may contain sediment and vehicle fluids that can pollute the drinking water supply and kill fish and other aquatic life. Wash water discharges are regulated by the federal government. If possible, wash equipment and vehicles in a wash rack that has a drain tied into an oil/water separator. If there are no wash racks on the site, wash equipment and vehicles outside in protected areas that do not drain to stormwater inlets, ditches, culverts, other stormwater conveyances, wetlands, or water bodies. Wash equipment or vehicles outside of the drip line of trees (for root protection). Use non-detergent cleaners and low-volume, high-pressure water for washing. Do not use common soaps or detergents.	
Maintenance:	Ensure that the washing operations are taking place in accordance with the information listed above. Make sure that water faucets or hoses are not left running or unattended.
Inspection:	During all washing operations, when they occur
Responsible Staff:	TBD

3.5 Spill Prevention, Control and Management

The ADEM permit requires that a permittee shall prepare, implement, and maintain a Spill Prevention, Control and Countermeasures (SPCC) Plan in accordance with 40 CFR Part 112 and ADEM Administrative Code r.335-6-6.12(r) for all applicable onsite storage tanks or for any stored pollutant(s) that may, if spilled, be reasonably expected to enter a water of the state or the collection system for a publicly or privately owned treatment works.

All hazardous materials such as fuels, solvents, paints, lubricants, etc. shall be stored at in covered areas which are protected from precipitation and stormwater runoff. There will not be bulk storage of fuels and other petroleum products at the project site in excess of 1320 gallons that will require the development and implementation of a written Spill Prevention, Control and Countermeasures (SPCC) Plan. Nevertheless, spill prevention and management BMPs are to be implemented at the project site.

SPILL PREVENTION AND MANAGEMENT ☐ Permanent ☒ Temporary
Detailed BMP Description: The permittee and/or the contractor shall develop a plan to reduce the chance of spills, stop the source of spills, contain and clean up spills, dispose of materials contaminated by spills, and train personnel responsible for spill prevention and control. The permittee and/or the contractor shall implement appropriate structural and/or non-structural spill prevention, control/and/or management (for example, secondary containment systems) sufficient to prevent any spills of pollutants from entering a water of the state or a publicly or privately owned

treatment works. The contractor shall maintain on-site or have readily available sufficient absorbing materials and flotation booms to contain and clean up fuel or chemical spills and leaks. Spilled material must be cleaned up and disposed of at a landfill permitted to receive petroleum-contaminated materials. Soil contaminated by paint or chemical spills, oil spills, etc. must be immediately cleaned up, remediated, or be removed and disposed of in an ADEM-approved manner. If an on-site spill of toxic materials enters a storm drain and/or results in an observed sheen on a stream or wetland waters, notify the National Response Center (NRC) at 800.424.8802 or 202.267.2675 or at http://www.nrc.uscg.mil/nrchp. The NRC is the sole federal point of contact for reporting oil and chemical spills. The NRC operates 24 hours a day, 7 days a week, 365 days a year. It is recommended that the Alabama Emergency Management Agency be notified at 800.843.0699 and that ADEM notified at 334.271.7700. ADEM response staff can be reached after hours in emergency situations through the Alabama Emergency Management Agency.	
Maintenance:	Ensure that any containment system is constructed of materials compatible with the stored substances contained. Ensure that the containment system is capable of retaining 110 percent of the volume of the largest container of pollutants for which the containment system is provided. Clean up spilled material (and any contaminated soils) and dispose of at a landfill or other facility that is permitted to receive petroleum-contaminated materials.
Installation Schedule:	At least daily and during each operation involving the transfer or use of any stored material that might pose a threat to the environment
Responsible Staff:	TBD

3.6 Non-Stormwater Discharge Management

Part I.B.2. of the ADEM Construction Stormwater NPDES Permit authorizes the following non-stormwater discharges provided the non-stormwater component of the discharge is in compliance with Part III.C:

a) Discharges from fire-fighting activities;
b) Fire hydrant flushings;
c) Waters used to wash vehicles where detergents are not used;
d) Water used to control dust;
e) Potable water including uncontaminated water line flushings not associated with hydrostatic testing;
f) Routine external building wash down associated with construction that does not use detergents;

g) Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used;
h) Uncontaminated air conditioning or compressor condensate associated with temporary office trailers and other similar buildings;
i) Uncontaminated ground water or spring water;
j) Foundation or footing drains where flows are not contaminated with process materials such as solvents;
k) Landscape irrigation.

Part III.D.3. (j) this permit requires a description of the pollution prevention measures used to manage non-stormwater discharges.

Non-stormwater discharges are not expected other than equipment washing as described in Section 3.5.

SECTION 4: SELECTING POST-CONSTRUCTION BMPs

The ADEM permit requires a description of the best management practices to be installed during site construction and operated and maintained following final stabilization at sites where the post-construction volumes or velocities of stormwater runoff are significantly different from conditions existing prior to construction activity.

Post construction stormwater BMPs at the construction site will include permanent vegetation, which allow for percolation of precipitation and stormwater runoff. Stormwater drainage from the site is to be collected and conveyed though concrete pipes.

The project site discharges through a central detention system into an existing ditch where velocity and volume requirements are attenuated by the pond to control flooding.

SECTION 5: INSPECTIONS

5.1 Inspections

Preconstruction Inspection: An inspection of the perimeter BMPs shall be conducted prior to land clearing and grubbing.

Daily Observations: The site work contractor will perform site observations each day that construction activities and site work operations take place. In addition, the responsible staff members listed below may have daily inspection responsibilities as outlined in Sections 3 and 4 above.

Monthly Inspections: QCPs, QCIs and those qualified persons working directly under the supervision of a QCP shall perform required inspections every 3 months.

Responsible Staff:
TBD

3 Month Inspection: The QCP shall perform an inspection after construction has been underway every 3 months.

Responsible Staff:
Lieb Engineering Company, LLC

Precipitation Event Inspections: These are to be performed following any qualifying event, defined as 0.75 inches or greater within a 24-hour period. A precipitation event inspection should commence as promptly as possible, but no later than 24 hours after resuming or continuing active construction or land disturbance, and should be completed no later than 72 hours following the qualifying precipitation event. QCPs,

QCIs and those qualified persons working directly under the supervision of a QCP shall perform any required precipitation event inspections.

Responsible Staff:
TBD

An example Inspection Report form (ADEM Form 23) is attached in Appendix D.

5.2 Corrective Action

As required by Part III.G.2 of the ADEM Construction Stormwater General NPDES Permit, any deficient BMPs identified at the site are to be corrected within five (5) days of the inspection, unless prevented by unsafe weather conditions.

Part III.H.3. of the NPDES Permit requires that the operator promptly take all reasonable steps to remove, to the maximum extent practical, pollutants deposited offsite or in any waterbody or stormwater conveyance structure.

Appendix E provides a log of corrective actions that describes repairs, replacement, and maintenance of BMPs undertaken as a result of the inspections and maintenance procedures. Actions related to the findings of inspections reference the specific inspection reports (Appendix D).

Appendix F provides a log for amendments to the CBMPP. This log should be used for documenting changes to the CBMPP that are needed to address corrective actions on poorly performing BMPs and additional BMPs needed to control potential pollutants from entering stormwater.

The responsible staff members listed in Section 5.1 shall perform follow-up inspections as needed to ensure that any corrective actions identified in previous inspections have been implemented.

SECTION 6: RECORDKEEPING AND TRAINING

6.1 Recordkeeping

In accordance with the ADEM General Permit, the following list of records is to be maintained at the construction site:

- Dates of grading, construction activity, and stabilization (Appendix G)
- The signed and certified NOI form or permit application form (Appendix C)
- A copy of the letter from ADEM acknowledging receipt of the completed NOI/application (attached)
- Inspection reports (Appendix D)
- Rainfall data daily rainfall log (Appendix I)
- Corrective action log (Appendix E)
- CBMPP amendment log (Appendix F)
- Copy of this CBMPP.

All records must be kept for a minimum of 3 years.

6.2 Log of Changes to the CBMPP

Appendix F contains the CBMPP Amendment Log, which should be updated as needed (see below) and retained at the construction site, along with a copy of this original CBMPP.

Part III.D.4.(a) of the ADEM NPDES Construction General Permit requires that the CBMPP be updated as necessary to address changes in the construction activity, site weather patterns, new TMDLs finalized or approved by EPA, new 303(d) listings approved by EPA, or manufacturer specifications for specific control technologies.

Part III.D.4.(b) of the ADEM permit requires that the CBMPP shall be amended if inspections or investigations by site staff or by local, state, or federal officials determine that the existing sediment control measures, erosion control measures, or other site management practices are ineffective or do not meet the requirements of this permit. All necessary modifications to the CBMPP shall be made within seven (7) calendar days following notification of the inspection unless granted an extension of time by the Department.

Part III.D.4. (c) of the permit requires that if existing sediment control measures, erosion control measures, or other site management practices prove ineffective in protecting water quality or need to be modified; or if additional sediment control measures, erosion control measures, or other site management practices are necessary to meet the requirements of permit; implementation shall be completed before the next storm event whenever practicable. If implementation before the next storm event is impracticable,

then new land disturbance activities must cease until the modified or additional controls can be implemented

6.3 Training

At least one on-site employee shall be a Qualified Credential Inspector (QCI) with training commensurate with Part III. F of the ADEM NPDES Construction General Permit. Unless the Permittee has employed or contracted with a QCP to perform duties as required by this permit and the QCP is readily available and able to be onsite as often as is necessary to ensure full compliance with the requirements of this permit, the permittee shall ensure that:

1. At least one onsite employee shall be certified as a Qualified Credentialed Inspector (QCI) by completing an initial training and annual refreshers through an ADEM-approved Qualified Credentialed Inspector Program (QCIP) conducted by a certified training entity.
2. The QCIP must be approved by the Department prior to use and provide training in the following areas:
    a. The applicable requirements of the Alabama NPDES rules;
    b. The requirements of the stormwater permit;
    c. The evaluation of construction sites to ensure that QCP designed and certified erosion controls and sediment controls detailed in a CBMPP are effectively implemented and maintained;
    d. The evaluation of conveyance structures, receiving waters and adjacent impacted offsite areas to ensure the protection of water quality and compliance with the requirements of the stormwater permit; and
    e. The general operation of a turbidity meter or similar device intended for the measurement of turbidity.
3. Each individual holding a QCI Certification need not be on-site continuously and they may conduct site inspections at multiple sites permitted by them or their employer.
4. Each individual holding QCI certification shall obtain annual certification of satisfactory completion of formal refresher education or training regarding general erosion controls and sediment controls, the requirements of the stormwater permit, and the general operation of a turbidity meter or similar device intended for the measurement of turbidity. The refresher training requirements included but not limited to, appropriate curricula, course content, course length, and any participant testing.

Additional general awareness and/or detailed training may be required for staff or for subcontractors, particularly those with specific stormwater responsibilities. This training will be provided onsite by the QCP and/or QCIs who have responsibilities under this CBMPP.

A log documenting all training events (dates, number of attendees, subjects covered, and length of training) is recommended

SECTION 7: FINAL STABILIZATION

Part III.B. of the ADEM permit requires that final stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating or other earth disturbing activities have permanently ceased on any portion of the site.

As defined in Part IV.T.17 of the ADEM permit, final stabilization means the application and establishment of the permanent ground cover (vegetative, pavements of erosion resistant hard or soft material or impervious structures) planned for the site to permanently eliminate soil erosion to the maximum extent practicable. Established vegetation will be considered final if 100% of the soil surface is uniformly covered in permanent vegetation with a density of 85% or greater. Permanent vegetation shall consist of; planted trees, shrubs, perennial vines; an agricultural or a perennial crop of vegetation appropriate for the region. Final stabilization applies to each phase of construction.

Final stabilization will include paving, curb and gutter installation, along with establishment of permanent perennial vegetation at the ground covering density required by the permit (see second paragraph above).

Dates for areas that have achieved final stabilization should be documented in the CBMPP. Site plans should be updated to indicate areas that have achieved final stabilization. Discontinuing inspections can be approved upon submittal to ADEM of inspection reports of subject area(s), certification of complete stabilization and NOI requested modification of existing permit coverage to remove subject area(s) from coverage.

PERMANENT SEEDING AND MULCHING ☒ ***Permanent*** ☐ ***Temporary***	
Detailed BMP Description: Permanent seeding is used to establish perennial vegetative cover on disturbed areas that will not be developed sooner than 12 months. The Alabama Handbook provides detailed specifications (including planting rates and dates appropriate for each region of the state) for permanent seeding and mulching. Soil amendments (lime and fertilizer) should be applied in accordance soil test results or the recommendations of the Alabama Handbook. The seed type should be appropriate for the climate, orientation, soil, slope, and maintenance of the planting location.	
Maintenance:	Areas with poor stands of vegetation should be replanted with perennial seed or sodded. Divert water away from a seeded area if rills or gullies appear. Implement weed control as needed. Mow to specified heights.
Inspection:	Check the site for denuded areas and potential erosion concerns at least weekly and after rainfall events.

Responsible Staff:	TBD

PERMANENT SEEDING GUIDELINES STATE OF ALABAMA				
Species	**Seeding Rate, PLS per acre**	**Regional Seeding Dates**		
		North	**Central**	**South**
Bahiagrass, Pensacola	40 lb.	N/A	Mar 1 – July 1	Feb 1 – Nov 1
Bahiagrass, Common	10 lb.	Apr 1 – July 1	Mar 15 – July 15	Mar 1 – July 15
Bahiagrass, Pensacola and Bermudagrass, Common	30 lb. 5 lb.	N/A	Mar 1 – July 1	Mar 1 – July 15
Fescue, Tall	40-50 lb.	Sept 1 – Nov 1	Sept 1 – Nov 1	N/A
Sericea	40-60 lb.	Mar 15 – July 15	Mar 1 – July 15	Feb 15 – July 15
Sericea and Common Bermudagrass	40-60 lb. 10 lb.	Mar 15 – July 15	Mar 1 – July 15	Feb 15 – July 15
Switchgrass, Alamo	4 lb.	Apr 1 – Jun 15	Mar 15 – Jun 15	Mar 15 – Jun 15

PLS = pure live seed
N/A = not applicable
Source: Alabama Handbook, 2018
See Alabama Handbook for map showing the counties in each regional geographical area.

SODDING ☒ ***Permanent*** ☐ ***Temporary***

Detailed BMP Description: Sodding is used to establish perennial cover immediately by installing transplanted vegetation in ditches, on slopes, or in other sensitive areas. Sodding should be installed in accordance with recommendations in the Alabama Handbook. Install sod in staggered rows perpendicular to the directions of the slope (parallel to the contours). When sodding a slope or waterway, start at the bottom and work toward to the top. Tamp or roll to ensure good soil contact. Fill spaces between sod squares with topsoil. Compact soil around edges and at top of slope. Secure sod with pegs on steep slopes. Sod pieces should be free of weeds, have smooth edges, and square ends to ensure a tight fit. The sod type should be appropriate for the climate, orientation, soil, slope, and maintenance of the planting location.

Maintenance:	Keep sod moist (by watering) until fully rooted. Mow to a height of 2-to-3 inches after fully rooted, but never remove more than 1/3 of the leaf blade in one mowing. Fertilize properly for the sod species (warm season grasses once per year in late spring to early summer; cool season grasses in early fall or late winter). Areas with poor stands of vegetation should be replanted (re-sodded). Divert water away from a sodded area as necessary. Implement weed control as needed. Mow to specified heights.
Inspection:	Vegetated areas should be inspected at least weekly and after rainfall events.
Responsible Staff:	TBD

SECTION 8: CERTIFICATION AND NOTIFICATION

I certify under penalty of law that a comprehensive Construction Best Management Practices Plan (CBMPP) for the prevention and minimization of all sources of pollution in stormwater and authorized related process wastewater runoff has been prepared under my supervision for this site/activity, and associated regulated areas/activities. The CBMPP meets the requirements of this permit and if properly implemented and maintained by the operator, discharges of pollutants in stormwater runoff can reasonably be expected to be effectively minimized to the maximum extent practicable according to the requirements of ADEM Administrative Code Chapter 335-6-6-.23 and this Permit. The CBMPP describes the erosion and sediment control measures that must be fully implemented and regularly maintained as needed at the permitted site in accordance with sound sediment and erosion control practices to ensure the protection of water quality.

Name: Christopher Jay Lieb, PE Title: President

QCP Designation/Description: Civil Engineer Registration/Certification: **31204**

Address: 1290 Main St Ste E Phone Number: 251.978.9779

Daphne, AL 36526

Signature:  Date: 3/15/2024

CBMPP APPENDICES

Appendix A – General Location Map

Appendix B – Site Maps

Appendix C – NOI and Copy of Permit

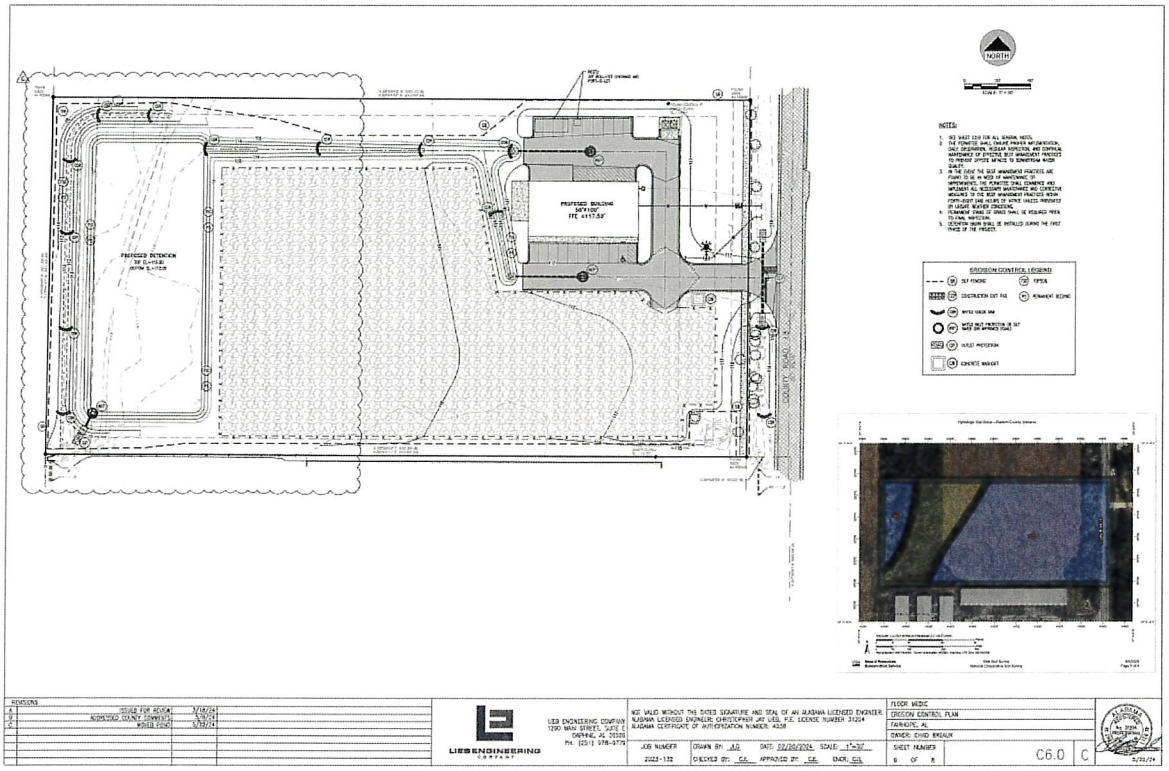
Appendix D – Inspection Reports

Appendix E – Corrective Action Log (or in Part 5.2)

Appendix F – CBMPP Amendment Log (or in Part 6.2)

Appendix G – Grading and Stabilization Activities Log (or in Part 6.1)

Appendix A – General Location Map



Appendix B – Site Maps

Appendix C – NOI and Copy of Permit

Appendix D – Inspection Reports

Appendix E – Corrective Action Log

Appendix E – Sample Corrective Action Log

Project Name: **Floor Medic**
CBMPP Contact: **Christopher Jay Lieb, PE Lieb Engineering Company, LLC**

Inspection Date	Inspector Name(s)	Description of BMP Deficiency	Corrective Action Needed (including planned date/responsible person)	Date Action Taken/Responsible person

Appendix F – CBMPP Amendment Log

Appendix F – Sample CBMPP Amendment Log

Project Name: **Floor Medic**
CBMPP Contact: **Christopher Jay Lieb, PE Lieb Engineering Company, LLC**

Amendment No.	Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]

Appendix G – Grading and Stabilization Activities Log

Appendix G – Sample Grading and Stabilization Activities Log

Project Name: **Floor Medic**
CBMPP Contact: **Christopher Jay Lieb, PE Lieb Engineering Company, LLC**

Date Grading Activity Initiated	Description of Grading Activity	Date Grading Activity Ceased (Indicate Temporary or Permanent)	Date When Stabilization Measures are Initiated	Description of Stabilization Measure(s) and Location(s)

July 18, 2023

Trey Jinright, P.E.
JADE Consulting, LLC
Post Office Box 1929
Fairhope, Alabama 36533

Wetland Resources
ENVIRONMENTAL CONSULTING

Subject: Wetland Determination
County Road 13 (PINs: 42054 & 42516)
Fairhope, Baldwin County, Alabama

Dear Mr. Jinright:

As requested, Wetland Resources has reexamined two contiguous 4.6-acre parcels of land located west of County Road 13 and north of Fairhope Avenue to determine whether wetlands or other waters are present. This property was previously examined by Wetland Resources in 2015 and it was determined that no wetlands or other waters were present. The Corps of Engineers subsequently issued an Approved Jurisdictional Determination (AJD) dated September 28, 2015 stating that the property is a non-wetland/upland. The AJD expired five years after the issuance date. Based on this recent site visit and examination of certain online resources, this property remains non-wetlands/uplands in its entirety.

Most of the property is agricultural land currently planted in corn. A narrow strip of forest area is along the edge of County Road 13 with a roadside ditch running through it. A rectangular-shaped forest area is located on the western end of the property and has a man-made drainage ditch running through it. These man-made ditches through uplands are expected to be considered non-jurisdictional conveyances under Section 404 of the Clean Water Act, as the Corps previously determined.

Under the city of Fairhope's Ordinance No. 1370, these ditches should not be considered wetlands.

To document findings, data was collected on vegetation, soils, and hydrology at representative sample points and Corps of Engineers wetland determination data forms have been completed and are attached.

If you have any questions or need anything further, please do not hesitate to contact me.

Sincerely,

Gena Todia

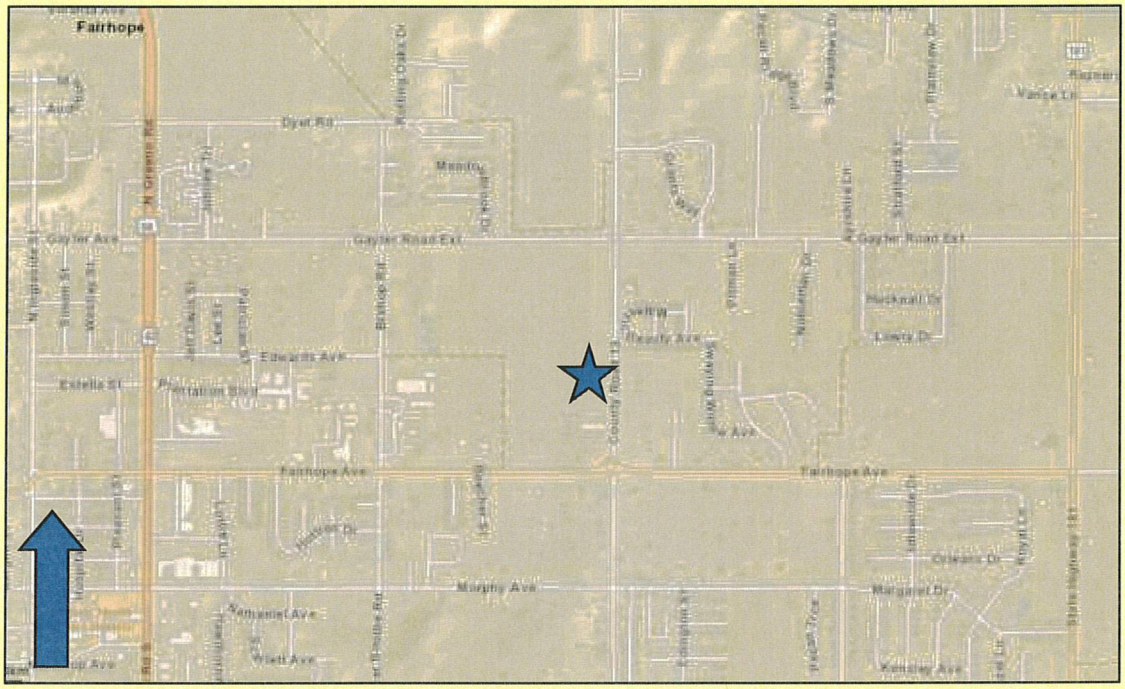
Attachments:

Location Map
Aerial Photo w/Contours and Ditches
Wetland Determination Data Forms

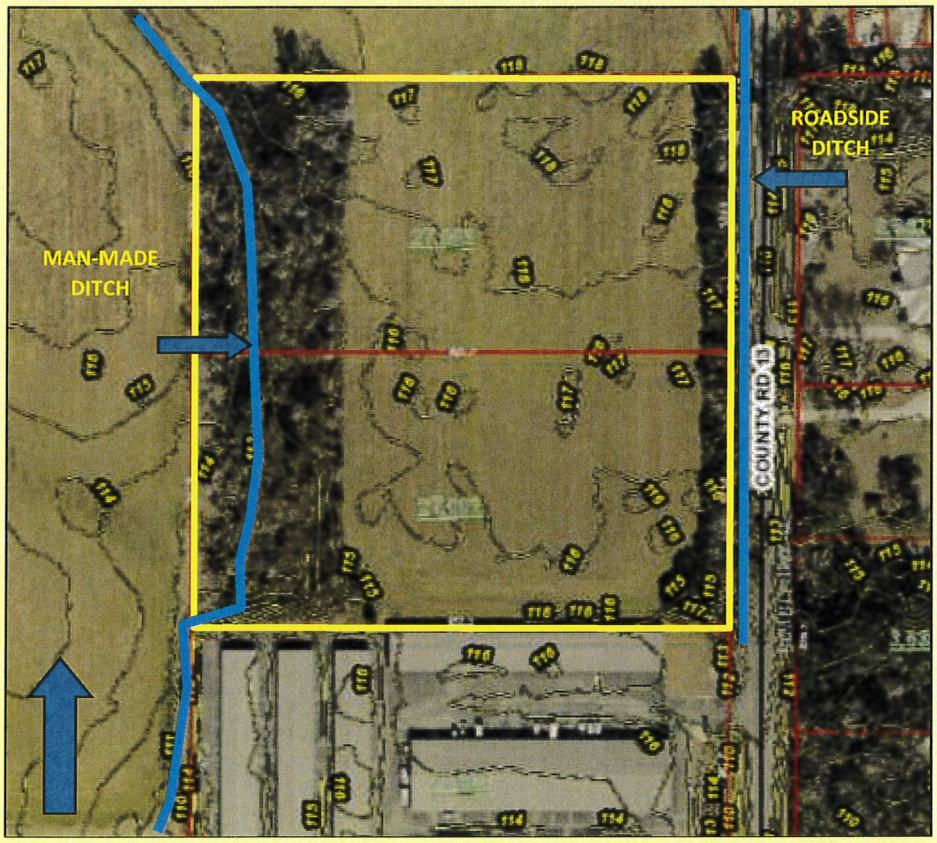
Tel (251) 928-6157 • Cell (251) 402-6055 • Mail P.O. Box 2694 • Daphne, AL 36526

Location Map

County Road 13
PINs: 42515 & 42054
Fairhope, Baldwin County, Alabama
30.526438, -87.870312



Aerial Photo with Contours and Ditches



WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Two 4.6-acre CR 13 Tracts City/County: Fairhope / Baldwin Sampling Date: 7/18/2023

Applicant/Owner: Lafitte, LLC (PINs: 42516 & 42054) State: Ala. Sampling Point: U-1

Investigator(s): Gena Todia, Wetland Resources Section, Township, Range: S 16 - T6S - R2E

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): convex Slope (%): <1

Subregion (LRR or MLRA): LRR P Lat: 30.526328 Long: -87.870547 Datum: WGS84

Soil Map Unit Name: Rr - Robertsdale loam NWI classification: none

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

This sample point is located in the west central area of the agricultural field, which is currently planted in corn.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15) **(LRR U)**
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Sphagnum moss (D8) (LRR T,U)

Field Observations:

Surface Water Present?	Yes _____	No ✓	Depth (inches): n/a
Water Table Present?	Yes _____	No ✓	Depth (inches): >20
Saturation Present? (includes capillary fringe)	Yes _____	No ✓	Depth (inches): >20

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

FAC-Neutral Test is negative at 0:1.

VEGETATION – Use scientific names of plants.

Sampling Point: U-1

Tree Stratum (Plot sizes: 30-ft. radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. none			
2.			
3.			
4.			
5.			
6.			
7.			
50% of total cover: ____ 20% of total cover: ____	0.0	= Total Cover	
Sapling Stratum (30-ft. radius)			
1. none			
2.			
3.			
4.			
5.			
6.			
7.			
50% of total cover: ____ 20% of total cover: ____	0.0	= Total Cover	
Shrub Stratum (30-ft. radius)			
1. none			
2.			
3.			
4.			
5.			
6.			
7.			
50% of total cover: ____ 20% of total cover: ____	0.0	= Total Cover	
Herb Stratum (30-ft. radius)			
1. Zea mays	100.0	yes	UPL
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
50% of total cover: 50.00 20% of total cover: 20.00	100.0	= Total Cover	
Woody Vine Stratum (30-ft. radius)			
1. none			
2.			
3.			
4.			
5.			
50% of total cover: ____ 20% of total cover: ____	0.0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size AND woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (If observed, list morphological adaptations below).

SOIL

Sampling Point: U-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-10	10YR4/3	100					loam	
10-20	10YR4/6	100					CLLM	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Organic Bodies (A6) **(LRR P, T, U)**
- ___ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ___ Muck Presence (A8) **(LRR U)**
- ___ 1 cm Muck (A9) **(LRR P, T)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Coast Prairie Redox (A16) **(MLRA 150A)**
- ___ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR P, S, T, U)**
- ___ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ___ Thin Dark Surface (S9) **(LRR S, T, U)**
- ___ Loamy Mucky Mineral (F1) **(LRR O)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) **(LRR U)**
- ___ Depleted Ochric (F11) **(MLRA 151)**
- ___ Iron-Manganese Masses (F12) **(LRR O, P, T)**
- ___ Umbric Surface (F13) **(LRR P, T, U)**
- ___ Delta Ochric (F17) **(MLRA 151)**
- ___ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ___ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR O)**
- ___ 2 cm Muck (A10) **(LRR S)**
- ___ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ___ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ___ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: none observed

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✓

Remarks:

CLLM = clay loam

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Two 4.6-acre CR 13 Tracts City/County: Fairhope / Baldwin Sampling Date: 7/18/2023

Applicant/Owner: Lafitte, LLC (PINs: 42516 & 42054) State: Ala. Sampling Point: U-2

Investigator(s): Gena Todia, Wetland Resources Section, Township, Range: S 16 - T6S - R2E

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): none Slope (%): <1

Subregion (LRR or MLRA): LRR P Lat: 30.525886 Long: -87.870963 Datum: WGS84

Soil Map Unit Name: Rr - Robertsdale loam NWI classification: none

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No ____	**Is the Sampled Area within a Wetland?** Yes ____ No ✓
Hydric Soil Present?	Yes ____	No ✓	
Wetland Hydrology Present?	Yes ____	No ✓	

Remarks:

This sample point is located in the southeast part of the western forested area.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15) **(LRR U)**
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Sphagnum moss (D8) (LRR T,U)

Field Observations:

Surface Water Present?	Yes ____	No ✓	Depth (inches): n/a
Water Table Present?	Yes ____	No ✓	Depth (inches): >20
Saturation Present? (includes capillary fringe)	Yes ____	No ✓	Depth (inches): >20

Wetland Hydrology Present? Yes ____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

FAC-Neutral Test is negative at 0:1.

VEGETATION – Use scientific names of plants.

Sampling Point: U-2

Tree Stratum (Plot sizes: 30-ft. radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. Cinnamomum camphora	30.0	yes	UPL
2.			
3.			
4.			
5.			
6.			
7.			
50% of total cover: 15.00 20% of total cover: 6.00	30.0	= Total Cover	
Sapling Stratum (30-ft. radius)			
1. none			
2.			
3.			
4.			
5.			
6.			
7.			
50% of total cover: ____ 20% of total cover: ____	0.0	= Total Cover	
Shrub Stratum (30-ft. radius)			
1. Ligustrum sinense	100.0	yes	FAC
2. Sambucus nigra (canadensis)	10.0	no	FACW
3.			
4.			
5.			
6.			
7.			
50% of total cover: 55.00 20% of total cover: 22.00	110.0	= Total Cover	
Herb Stratum (30-ft. radius)			
1. Rubus pensilvanicus	10.0	yes	FAC
2. Lygodium japonicum	5.0	yes	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
50% of total cover: 7.50 20% of total cover: 3.00	15.0	= Total Cover	
Woody Vine Stratum (30-ft. radius)			
1. Campsis radicans	10.0	yes	FAC
2. Parthenocissus quinquefolia	10.0	yes	FACU
3. Smilax bona-nox	8.0	yes	FAC
4.			
5.			
50% of total cover: 14.00 20% of total cover: 5.60	28.0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 71.4% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size AND woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks: (If observed, list morphological adaptations below).

SOIL Sampling Point: U-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-9	10YR4/3	100					loam	
9-20	10YR4/6	100					CLLM	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Organic Bodies (A6) **(LRR P, T, U)**
- ___ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ___ Muck Presence (A8) **(LRR U)**
- ___ 1 cm Muck (A9) **(LRR P, T)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Coast Prairie Redox (A16) **(MLRA 150A)**
- ___ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR P, S, T, U)**
- ___ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ___ Thin Dark Surface (S9) **(LRR S, T, U)**
- ___ Loamy Mucky Mineral (F1) **(LRR O)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) **(LRR U)**
- ___ Depleted Ochric (F11) **(MLRA 151)**
- ___ Iron-Manganese Masses (F12) **(LRR O, P, T)**
- ___ Umbric Surface (F13) **(LRR P, T, U)**
- ___ Delta Ochric (F17) **(MLRA 151)**
- ___ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ___ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR O)**
- ___ 2 cm Muck (A10) **(LRR S)**
- ___ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ___ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ___ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: none observed

Depth (inches): ___

Hydric Soil Present? Yes ___ No ✓

Remarks:

CLLM = clay loam

Table 7-1 Baldwin County Phase II MS4 MCM3
Construction Site Stormwater Runoff Control Strategies and Goals

NPDES Permit Section	SWMPP Section	7-Construction Site Stormwater Runoff Control Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-3avi	*7.6 & 7.7*	*Inspections*	*In years one through five within the County's MS4 boundary, inspect qualifying subdivision & zoned construction sites as per permit requirements.*	*Sediment, Oils, Paints, & Trash*	*Hwy & P&Z*

2025/2026	**MS4 Priority Site Inspections**				
Permit#	**Inspection**	**Inspection Status**	**Completion Date**	**Year Approved**	**Enforcement**
CSP25-000017	Site Inspection	Complete	02/24/2026	2025	No
CSP25-000017	Site Inspection	Not Approved: Reinspection Required	01/12/2026	2025	No
CSP25-000017	Site Inspection	Complete	11/25/2025	2025	No
CSP25-000017	Site Inspection	Complete	10/09/2025	2025	No
CSP23-000001	Site Inspection	Approved	04/29/2025	2023	No
CSP24-000030	Site Inspection	Complete	04/17/2025	2024	No
CSP24-000030	Site Inspection	Not Approved	04/09/2025	2024	No
CSP24-000030	Site Inspection	Not Approved	5/12/2025	2024	Yes-NOV-Example
2025/2026	**MS4 Complaint Inspections**				
Permit#	**Inspection**	**Inspection Status**	**Completion Date**	**Year Approved**	**Enforcement**
CSP24-000014	Complaint-Field Inspection	Complete	05/09/2025	2024	No
BPR25-000449	Complaint-Field Inspection	Not Approved: Reinspection Required	02/05/2026	2025	No
BPR25-000449	Complaint-Field Inspection	Not Approved: Reinspection Required	02/05/2026	2025	No
ZLD23-000158	Complaint-Field Inspection	Complete	04/10/2025	2023	No
ZSP24-001029	Complaint-Field Inspection	Not Approved: Reinspection Required	04/28/2025	2024	No
ZSP24-001029	Complaint-Field Inspection	Not Approved	05/12/2025	2024	No

Table 7-1 Baldwin County Phase II MS4 MCM3
Construction Site Stormwater Runoff Control Strategies and Goals

Permit#	Inspection	Inspection Status	Completion Date	Year Approved	Enforcement
ZSP24-001029	Complaint-Field Inspection	Not Approved: Reinspection Required	04/28/2025	2024	No
ZSP24-001029	Complaint-Field Inspection	Not Approved	05/12/2025	2024	No
ZSP23-001032	Complaint-Field Inspection	Complete	05/05/2025	2023	No



PERMIT PROJECT
FILE #: 24-005096
10580 COUNTY RD 64 DAPHNE AL 36526

PD: 15 ZC: B3 ARB: NOT APPLICABLE MS4: YES PWL: N HW: AREA 200 BPJ: BALDWIN COUNTY FZ: X -9999.0

INSPECTION INFORMATION

Department
Planning and Zoning Department

Inspection Type
Site Inspection

Assign To
Tyler Austin

Permit #:
CSP24-00003C Glass - CR64...

Created On
05/20/2025 by

Notes

DATES

Start Date

Due Date

Completion Date
05/12/2025

Status

Baldwin County Commission

Planning & Zoning Department

22251 Palmer St, Robertsdale AL, 36567

Phone: (251)580-1655

Email: planning@baldwincountyal.gov

COMMERCIAL/COMMISSION SITE PLAN

NOTICE OF ZONING VIOLATION

Date of Notice: May 13, 2025

Property Owner: [illegible]

Owner Address: DAPHNE, AL 36526

Permit Number: [PERMIT_NUMBER]

YOU ARE HEREBY NOTIFIED THAT:

Pursuant to the Baldwin County Zoning Ordinance, Sec. 21.3, notice is hereby given that you are in **violation** of the *Baldwin County Zoning Ordinance*.

LOCATION OF VIOLATION:

The subject property is situated in Planning District 15, and is zoned B3 and is located at:

Street Address: 10580 COUNTY RD 64
DAPHNE, AL 36526

Tax Parcel ID: 05-43-06-23-0-000-005.000

Inspection Date: 5/12/2025

NATURE OF VIOLATION:

Significant stormwater laden with sediment left the permitted site during the last storm event and impacted offsite properties. Drainage from the site is discharging into the ditches along CR 64 containing signficant sediment. Sediment has filled the ditch along CR 64 west to the intersection at Rigsby Road as well as a cross drain that crosses CR 64. Attached are the photos taken from the site inspection conducted on May 12, 2025. The Permittee shall be responsible for maintaining all temporary and permanent best management practices during the development of the site. In the event the Best Management Practices are found to be in need of maintenance or improvements, the Permittee shall commence and implement all necessary maintenance and corrective measures to the Best Management Practices within forty-eight (48) hours of notice unless prevented by unsafe weather conditions. Any permitted site that has continued compliance and/or offsite impacts issues may be issued a Stop Work Order per Section 13.5.1, ceasing all activity except BMP installation and maintenance. At that time the Permittee may be required to submit an updated CBMP Plan prepared by a Qualified Credentialed Professional.

CORRECTIVE ACTION: All drainage swales, detention and retention ponds or similar stormwater conveyances shall receive solid sod and shall be fully established and stabilized before land disturbance activities. Disturbed areas can be seeded and mulched with an ALDOT-approved seeding mix or BMPs installed. Temporary stabilization of

disturbed areas must be initiated immediately whenever work toward project completion and final stabilization of any portion of the site has temporarily ceased on any portion of the site and will not resume for a period exceeding thirteen (13) calendar days.

If you have any questions please call (251) 580-1655 and reference the file number listed above.

BALDWIN COUNTY ZONING ORDINANCE:

ENFORCEMENT PENALTIES:

Failure to comply within the time specified above will subject you to penalties in accordance with Sec. 21.3 of the *Baldwin County Zoning Ordinances*

Article 21 Enforcement

Section 21.3 Notice of Violation

21.3.1 Issuance. The Planning and Zoning Director or his/her designee shall issue a written notice of violation upon receipt of a complaint or knowledge of violation, to all persons in violation. The Notice of Violation may be served by certified mail, return receipt requested, or pursuant to Alabama Rules of Civil Procedure. The Notice of Violation shall allow a reasonable time to correct or abate such violation.

21.3.8 Fines. Any person(s) violating any of the provisions herein shall be fined not more than $150.00 for each separate violation, plus all costs of court, with each day such violation continues constituting a separate violation (see 21.2.3, above). The fines provided for herein shall commence and accrue upon receipt of the Notice of Violation or the expiration of the allowed period for correction, whichever is later. Said fines shall continue to accrue until paid, but shall not accrue on days during which the violation is properly on appeal.

When a violation results from a person's failure to obtain a permit or approval required by this Ordinance, and the person subsequently submits an application for the required permit, the Planning Director may waive the daily fee and shall instead require double the normally required permit application fee as a reduced fine.

If you believe the activities or conditions described above are not in violation of the *Baldwin County Zoning Ordinance*, you may provide supporting documentation or other materials to the Planning and Zoning Department at 22251 Palmer Street, Robertsdale, Alabama 36567, within 7 days of receipt of this notice.

Appeals must be filed with the Board of Adjustment by delivery of the appeal form to the Planning and Zoning Director at his /her office at 22251 Palmer Street, Robertsdale, Alabama 36567 within (15) fifteen days of receipt of this notice. Appeal forms are available on the County website at the following address: www.baldwincountyal.gov/departments/planning-zoning/forms-applications/permits-forms

Sincerely,
Tyler Austin
Civil Engineer
Baldwin County Planning & Zoning Department

cc: Jay Dickson, Planning Director

Table 7-1 Baldwin County Phase II MS4 MCM3
Construction Site Stormwater Runoff Control Strategies and Goals

NPDES Permit Section	SWMPP Section	7-Construction Site Stormwater Runoff Control Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-3aiii	*7.6*	*Inspections*	*In years one through five track construction site inspections including enforcement actions, and complaints within the County's MS4 Boundary*	*Sediment, Oils, Paints, & Trash*	*Hwy & P&Z*
2025/2026	**MS4 Code Case Inspections**				
File#	**Date**	**Address**	**Violations**	**Department**	**MS4 Area**
26-000073	01/06/2026	8148 MANLEY RD	Yes	P&Z	Y
26-000696	01/24/2026	16095 -A BLACK DEVINE RD	No	P&Z	Y
26-000850	01/29/2026	110 ORLEANS WAY	No	P&Z	Y
26-000851	01/29/2026	19548 BOOTHE RD	Yes	P&Z	Y
26-001889	02/25/2026	112 ORLEANS WAY	No	P&Z	Y
26-001893	02/25/2026	114 ORLEANS WAY	No	P&Z	Y
26-002060	03/03/2026	102 PLANTATION CT	No	P&Z	Y
25-004223	06/04/2025	20856 PITMAN LN	No	P&Z	Y
25-004591	06/17/2025	6792 N WINDING BROOK DR	No	P&Z	Y
25-004882	06/26/2025	0 LAKE BLVD	Yes	P&Z	Y
25-005120	07/03/2025	6473 SADDLE WOOD LN	No	P&Z	Y
25-005279	07/10/2025	24267 BAY SHORE DR	No	BI	Y
25-005280	07/10/2025	24279 BAY SHORE DR	No	BI	Y
25-005369	07/14/2025	8832 KNIGHT LN	Yes	P&Z	Y
25-005772	07/28/2025	0 YOUNG ST	Yes	P&Z	Y
25-006008	08/05/2025	6725 CEDAR BROOK DR	No	P&Z	Y
25-006032	08/06/2025	9844 MILTON JONES RD	Yes	P&Z	Y
25-006321	08/14/2025	7065 CARSON LN	No	P&Z	Y
25-007046	09/08/2025	18825 SCENIC HWY 98	No	BI	Y
25-007065	09/09/2025	19009 STATE HWY 181	No	P&Z	Y
25-007103	09/10/2025	7159 CARSON LN	Yes	P&Z	Y
25-007191	09/12/2025	0 SADDLEWOOD LN	Yes	P&Z	Y
25-007514	09/24/2025	108 WICKER WAY	Yes	P&Z	Y

Table 7-1 Baldwin County Phase II MS4 MCM3
Construction Site Stormwater Runoff Control Strategies and Goals

File#	Date	Address	Violations	Department	MS4 Area
25-007866	10/07/2025	7063 GABEL ST	No	BI	Y
25-009677	12/09/2025	05-46-05-21-0-000-013.021	No	P&Z	Y
25-009918	12/17/2025	19500 BOOTHE RD	Yes	P&Z	Y

Table 7-1 Baldwin County Phase II MS4 MCM3
Construction Site Stormwater Runoff Control Strategies and Goals

NPDES Permit Section	SWMPP Section	7-Construction Site Stormwater Runoff Control Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-3a	*7.8*	*Website Citizen Complaints Reporting*	*Throughout the permit cycle, the County will maintain and update as needed the Environmental Complaint Form on the Baldwin County Website*	*Sediment, Oils, Paints, & Trash*	*Solid Waste & P&Z*
2025/2026			**No updates to complaint form on website**		

Table 7-1 Baldwin County Phase II MS4 MCM3
Construction Site Stormwater Runoff Control Strategies and Goals

NPDES Permit Section	SWMPP Section	7-Construction Site Stormwater Runoff Control Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-3e	*7.9*	*Staff Training*	Throughout the permit cycle, County staff responsible for erosion and sediment control inspections and complaints will be trained in the identification of appropriate construction BMPs. Training will be tracked in the annual report.	*Sediment, Oils, Paints, & Trash*	*P&Z*

2025/2026-See Last Years Printed Copies		Erosion & Sediment Control Training		
Planning & Zoning	**Name**	**Training Description**	**Certification**	**Date**
Natural Resource Planner	Ashley Campbell	CPESC	4184	12/31/2026
Engineering Technician	Barry Guy	QCI	T8817	5/31/2028
Permit Engineer	Josh Newman	QCP	32788	12/31/2026
Engineering Technician	Kaylan Driskell	QCI	T8811	5/31/2028
Project Coordinator	Michael Sharp	QCI	T8813	5/31/2028
Engineering Technician	Michael Smith	QCI	T9042	5/31/2028
Planning Technician	Rebecca Peacock	QCI	T7631	5/31/2028
Code Enforcement	Vince Ramer	QCI	T0771	5/31/2028
Planning Technician	Justin Cregger	QCI	T8291	5/31/2028
Planning Technician	Nathan White	QCI	TBD	5/31/2028

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Barry Guy

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T8817

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Kaylan Driskell

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T8811

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Michael Sharp

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T8813

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA DEPARTMENT OF TRANSPORTATION

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Michael Smith

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T9042

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Rebecca Peacock

Baldwin Co

Has successfully completed the certification requirements as a

QCI # T7631

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Vincent Ramer

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T0771

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA DEPARTMENT OF TRANSPORTATION

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Justin Cregger

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T8291

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

ADEM
Alabama Department of Environmental Management

QCI Training Program

thompson
ENGINEERING

Certificate of Completion

is hereby granted to:

Nathan White

Baldwin County Planning & Zoning

for satisfactory completion of

Initial QCI Training

QCI No. —

Expires 04-07-2028

This certificate confers eight (8.0) professional development hours (PDHs) to students who require credits for licenses or certifications. Such PDHs are subject to the qualifying requirements of the licensing or certifying organization.

Table 7-1 Baldwin County Phase II MS4 MCM3

Construction Site Stormwater Runoff Control Strategies and Goals

NPDES Permit Section	SWMPP Section	7-Construction Site Stormwater Runoff Control Strategies	Goal	Pollution Targeted	Responsible Departments
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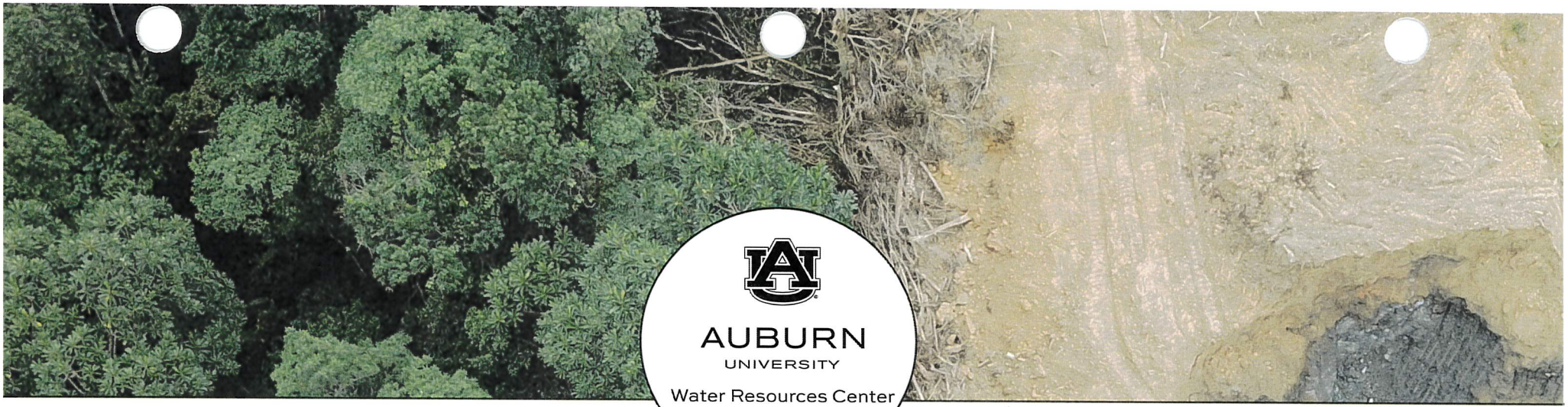
			Erosion & Sediment Control Training		
Department	**Section**	***Name***	***Training Description***	***Certification***	***Date***
P&Z	Natural Resource	Ashley Campbell	Fairhope Blue Book E&S Training	Yes	11/4/2025
P&Z	Inspections	Barry Guy	Fairhope Blue Book E&S Training	Yes	11/4/2025
P&Z	Subdivision	Fabia Waters	Fairhope Blue Book E&S Training	Yes	11/4/2025
P&Z	Inspections	Kaylan Driskell	Fairhope Blue Book E&S Training	Yes	11/4/2025
P&Z	Inspections	Barry Guy	ADCNR Wetlands Training	Yes	3/13/2026
P&Z	Inspections	Barry Guy	Internal CBMPP Training-Natural Resource Planning	No	7/25/2025
P&Z	Engineering	Josh Newman	Internal CBMPP Training-Natural Resource Planning	No	7/25/2025
P&Z	Engineering	Tyler Austin	Internal CBMPP Training-Natural Resource Planning	No	7/25/2025
P&Z	Inspections	Michael Sharp	Internal CBMPP Training-Natural Resource Planning	No	7/25/2025
P&Z	Inspections	Kaylan Driskell	Internal CBMPP Training-Natural Resource Planning	No	7/25/2025
P&Z	Subdivision	Fabia Waters	ADCNR Wetlands Training	Yes	3/13/2026
P&Z	Subdivision	Fabia Waters	ADCNR Wetlands Training	Yes	6/30/2025



AUBURN
UNIVERSITY
Water Resources Center

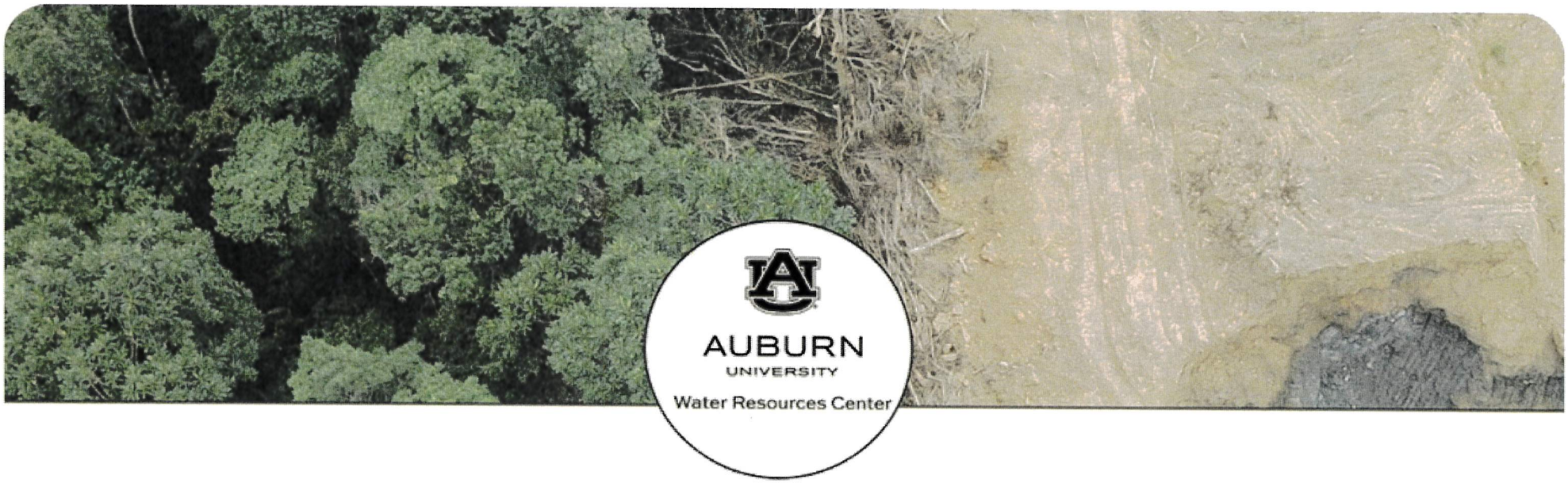
Erosion and Sediment Control
Best Management Practices Workshop

Fairhope Civic Center, Fairhope AL | November 4, 2025

Ashley Campbell

Approved for 0.85 (8.5 hours) of Continuing Education Units from Auburn University
Filed with Auburn University Office of Continuing Education

Laura Cooley, Project Manager
Auburn University Water Resources Center



Erosion and Sediment Control

Best Management Practices Workshop

Fairhope Civic Center, Fairhope AL | November 4, 2025

Barry Guy

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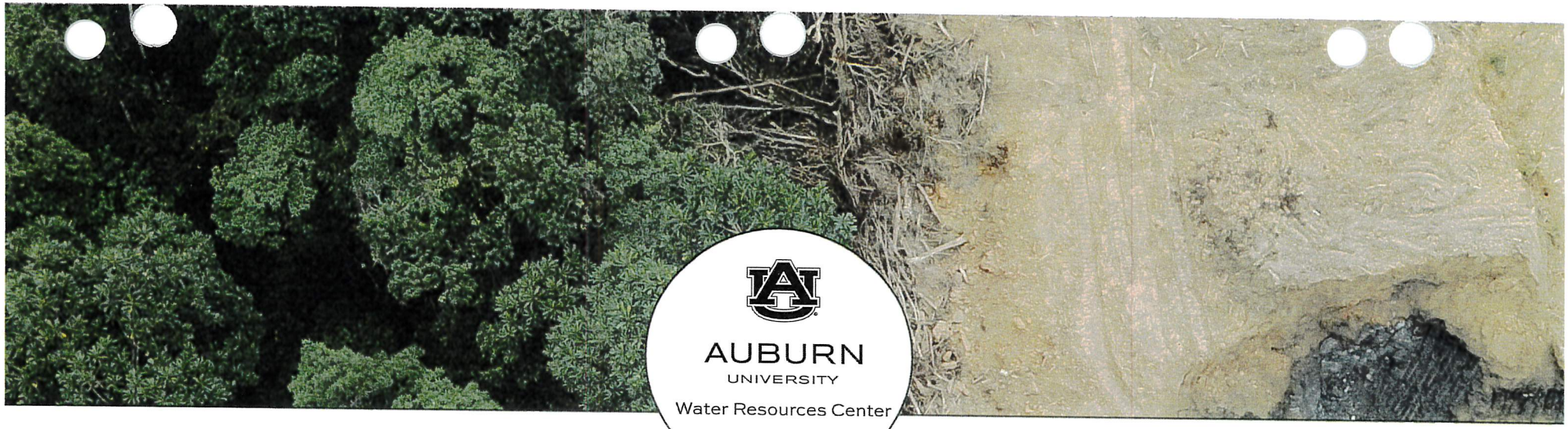
Filed with Auburn University Office of Continuing Education

Laura Cooley

Laura Cooley, Project Manager
Auburn University Water Resources Center



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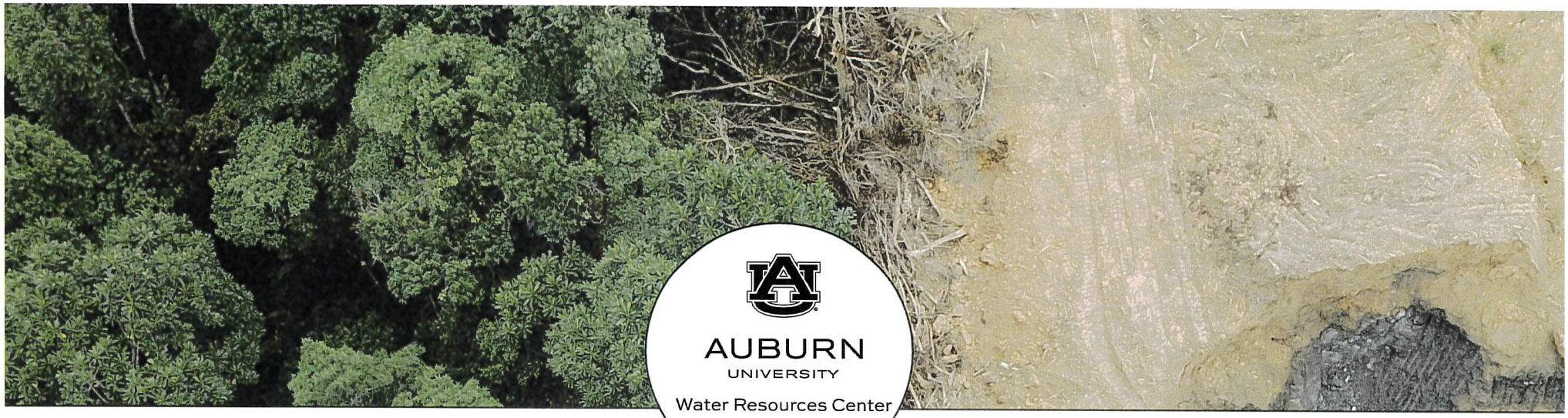
Laura Cooley, Project Manager
Auburn University Water Resources Center



AUBURN
UNIVERSITY
Water Resources Center

Erosion and Sediment Control
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Kaylan Driskell

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Filed with Auburn University Office of Continuing Education

Laura Cooley

Laura Cooley, Project Manager
Auburn University Water Resources Center

ADCNR
COASTAL TRAINING PROGRAM
CERTIFICATE OF TRAINING

This certificate is awarded to

BARRY GUY

In recognition of successful completion of 28 hours of

WETLAND IDENTIFICATION AND DELINEATION TRAINING

Johanna Gertsch

Johanna Gertsch

3/13/2026

Date

STATE LANDS ALABAMA DIVISION

WEEKS BAY NATIONAL ESTUARINE RESEARCH RESERVE

NOAA

Ashley Campbell

Subject: Permitting Team Development
Location: P&Z Kitchen table

Start: Fri 7/25/2025 8:30 AM
End: Fri 7/25/2025 9:00 AM

Recurrence: Weekly
Recurrence Pattern: every Friday from 8:30 AM to 9:00 AM

Meeting Status: Accepted

Organizer: Josh Newman
Required Attendees: Tyler D. Austin; Michael Sharp; Kaylan Driskell; Barry Guy; Ashley Campbell

A different topic each week to cover

- CTP Process – Kaylan – Friday 5/16/2025
- Erosion Control Devices – Ashley/Barry 7/~~11~~25
- Sight Distance (design) – Tyler
- Sight Distance (field) – Kaylan
- When is a dry ramp appropriate for a driveway turnout – Kaylan
- Driveway Turnout Drainage – Tyler
- CPR Process- Tyler
- Setting up Fees in Citizenserve - Josh
- AFM Package – Mike
- Field Inspection Types – Mike
- Detention/Retention Pond calculations – Josh
- Asphalt Pavement requirements – Josh
- Refresher - Different Permit Types – Josh

Microsoft Teams Need help?

Join the meeting now

Meeting ID: 227 322 578 87

Passcode: mEFzpt

Dial in by phone

+1 972-581-9924,,268735879# United States, Renner

NPDES Requirements

For Regulated Construction Projects in Alabama

Regulatory Compliance

NPDES stands for:

- National
- Pollutant
- Discharge
- Elimination
- System

NPDES History and Application

- NPDES Permits originated with 1972 amendments to the Federal Water Pollution Control Act (commonly known as the Clean Water Act or CWA)
- 1987 CWA amendment required a phased implementation of the NPDES permit program to address storm water pollution from all non-agricultural sources

NPDES History and Application

- 1990 Phase I of NPDES required permits for large and medium municipalities (100,000 or more people) and eleven categories of industrial activity, including construction activities that disturbed **5 or more acres** of land.
- 2003 Phase II of NPDES requires permits for most of the remaining urbanized areas (50,000 or more people with population density of at least 1,000 people/sq. mi.) and construction activities that disturb **1 or more acres** of land.

Key Definitions

Alabama's Construction Storm Water Program

"Waters of the State" or "State Waters"

All waters of any river, stream, watercourse, pond, lake, coastal, ground or surface water, wholly or partially within the State, natural or artificial. This does not include waters which are entirely confined and retained completely upon the property of a single individual, partnership or corporation unless such waters are used in interstate commerce.

QCP
Qualified Credentialed Professional

- Alabama licensed professional engineer (PE)
- Certified Professionals in Erosion and Sediment Control (CPESC)
- Other registered professionals (e.g., geologists, soil scientists, land surveyors, landscape architects, foresters, environmental managers)

QCP Roles and Responsibilities

- Prepares, updates, modifies and certifies CBMPPs in accordance with permit and Alabama Handbook.
- Signs Notices of Intent.
- Designs and certifies structural BMPs (Alabama professional engineer).
- Designs and certifies non-structural BMPs (all other QCPs).
- Inspects BMPs and evaluates CBMPPs.
- Directs work of QCIs and other qualified professionals.

QCI
Qualified Credentialed Inspector

A permittee, permittee employee, or permittee designated qualified person who has successfully completed an initial training class and annual refreshers through an ADEM-approved Qualified Credentialed Inspector Program (QCIP) conducted by a cooperating training entity.

General Permit, Part V, p. 25

QCI Roles and Responsibilities

- Reports to the permittee and QCP.
- Active on-site employee of the permittee, but need not be on-site continuously.
- May be dedicated to a project or may perform inspections on multiple sites for the same permittee.
- Not allowed to prepare or modify a CBMPP or certify BMPs or other practices.

Notice of Intent (NOI)

- Mechanism used to apply for coverage under the Alabama NPDES General Permit (ALR100000).
- Includes information about the permittee, proposed construction activity, proposed schedule, site location, and receiving waters.
- Operator is authorized to discharge (start work) upon receipt by ADEM of a complete and timely NOI,

- UNLESS -

GP, Part II.F.1, p. 4

Notice of Intent

The site is a priority construction site.

- THEN –

The operator is authorized to discharge (start work) 30 days from receipt by ADEM of a complete and technically adequate NOI and CBMPP, unless ADEM notifies the operator otherwise.

GP, Part II.F.3, p. 5

What is a priority construction site?

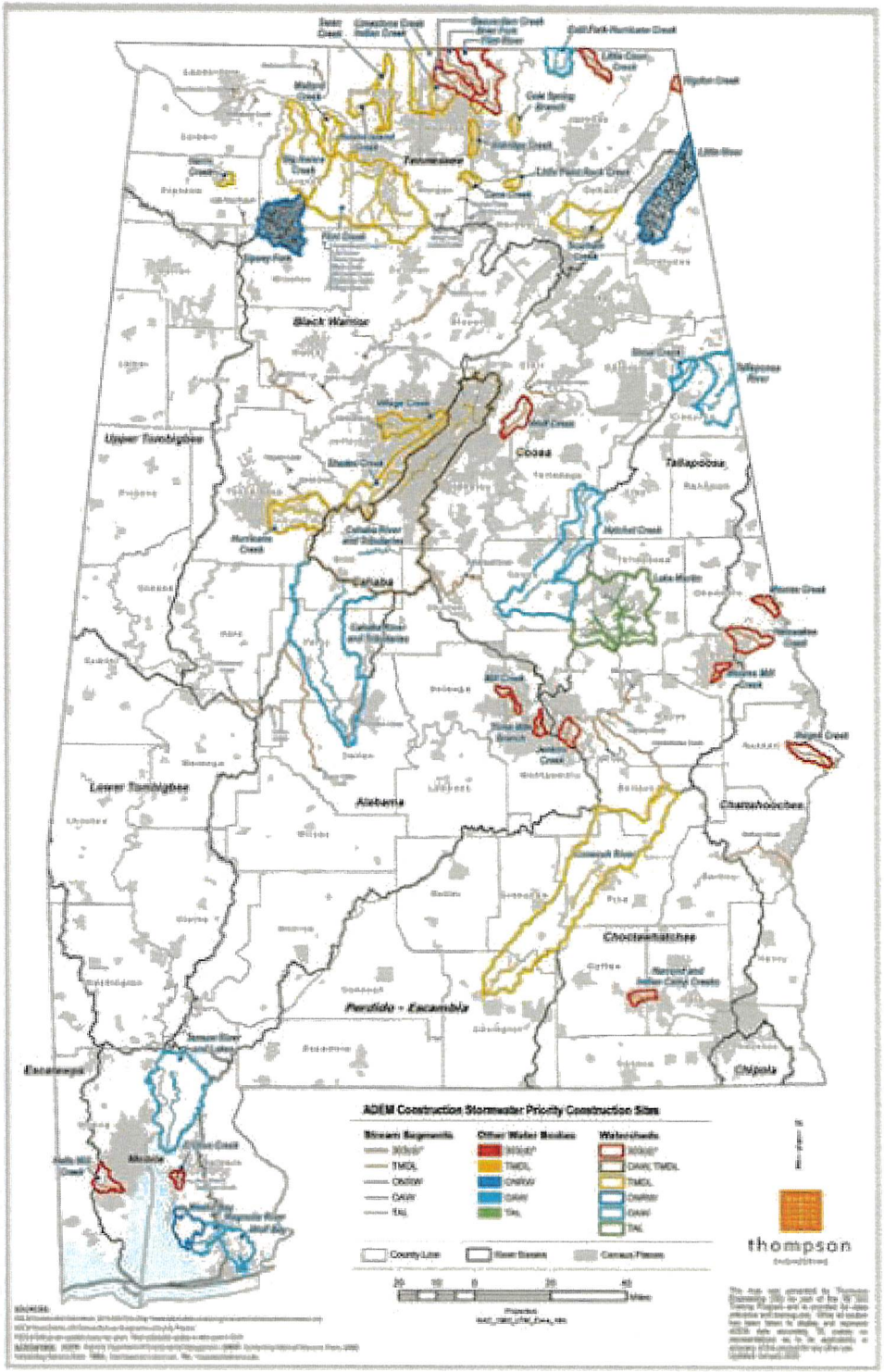
Any site that discharges to a water body:

- Listed on the most recent EPA-approved 303(d) list for siltation or turbidity;
- For which a total maximum daily load (TMDL) for siltation or turbidity has been finalized; or
- Classified as an Outstanding Alabama Water or Outstanding National Resource Water or Treasured Alabama Lake

The above lists appear in the QCI Initial Training Workbook.
Request your copy by emailing us at QCI@thompsonengineering.com.

Priority Construction Sites in Alabama

An 11-by-17-inch version of this map is available in the QCI Initial Training Workbook.



Additional Requirements
2021 General Permit

- NOI: List the name, dosage, and application locations of all treatment chemicals anticipated to be used at the site, along with Safety Data Sheets.
- CBMPP: Provide a calculation to confirm that the controls to be implemented will provide the required percent reduction to meet total maximum daily load (TMDL) requirements.

GP, Part II.C.1 (l), p. 4
GP, Part III.E.4 (f) (i), p. 10

ADEM-Required Inspections

- Pre-construction inspection by QCP
- Daily visual observations (by appropriate site personnel)
- Comprehensive site inspections
  - Weekly (if working within the banks of a water body)
  - Monthly
  - After 0.75-inch or greater rainfall in a 24-hour period
- At a minimum, once every 3 months for priority construction sites or once every 6 months for non-priority sites (by QCP for CBMPP evaluation)
- As often as necessary until any deficiencies have been corrected

GP, Part III.H, pp. 13-14

Inspecting After Rainfall Events

- After 0.75-inch or greater rainfall in any 24-hour period since the last inspection
- Commencing as promptly as possible, but no later than 24 hours after resuming or continuing active construction or disturbance, and
- Completed no later than:
  - 72 hours (non-linear projects), or
  - 5 days (linear projects)

following the qualifying rainfall event.



GP, Part III.H.3 (c) (d). P. 13

Precipitation Measurement

- Use on-site gauge or ADEM-accepted off-site device or service.
- Gauge should be readable to 0.5 in. or less and elevated 3-to-5 feet off the ground in an open area.
- Read and record measurements daily.
  - Weekend rainfall may be read and recorded on the following Monday and noted as "accumulated."
- Clean gauge as needed.
- Snowfall – allow accumulated snow in gauge to melt, then read the gauge.

GP, Part III.K, p. 15

Facility Identification

Permittee shall post and maintain sign(s) at easily accessible locations to adequately identify the site until permit coverage is terminated.

Name of Permittee

ADEM NPDES ALR10 _____

Facility or Project Name

GP, Part IV.T, p. 20

Pursuant to Part IV.S. [Facility Identification] of the GP, the permittee is required to post and maintain facility identification. The permittee is required to post a sign at the front gate/entrance to identify the site. The permittee may use this example sign or create and use a sign meeting the requirements of Part IV.S. of the permit. If this sign is used, please make copies to post, and keep this original in your files. PLEASE PRINT CLEARLY USING BLUE OR BLACK INK. Areas that contain * are not required to be completed.

ADEM NPDES General Permit #:

ALR100000

ADEM Authorization #:

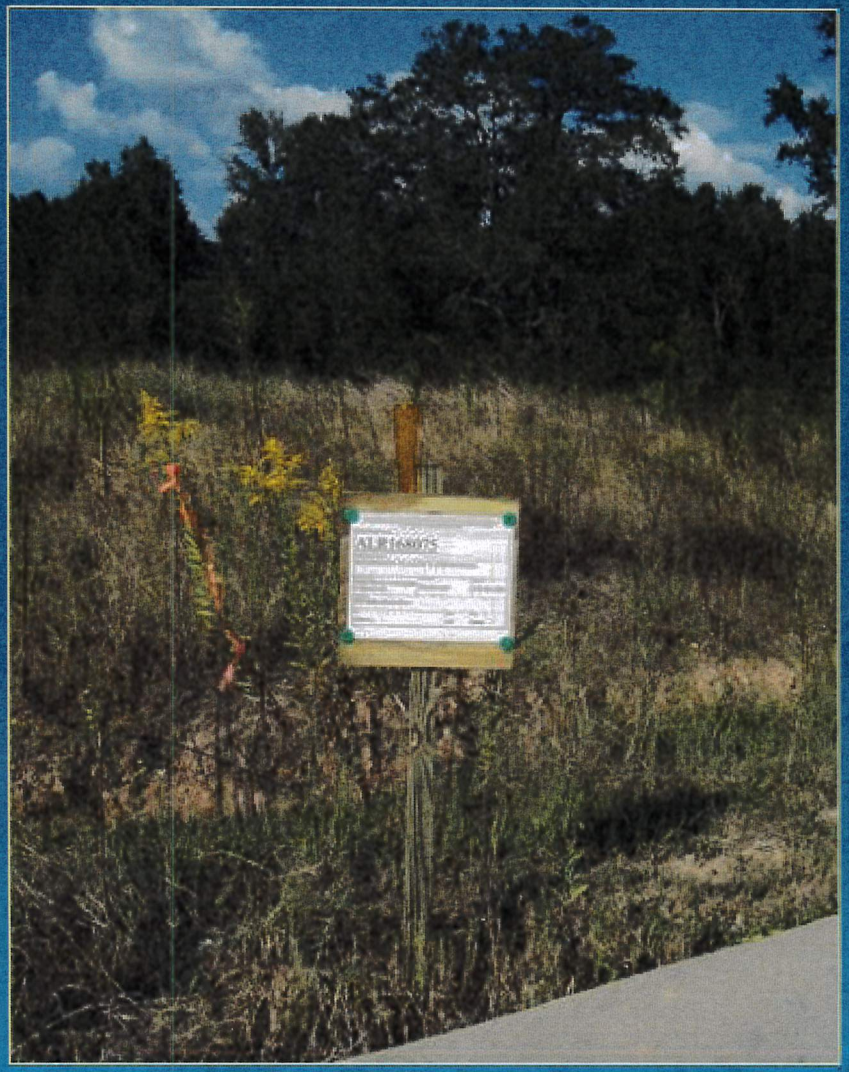
ALR10 _____

Facility Name:

PERMITTEE:	***CONTACT:**	***PHONE #**
***ADDRESS:**		
***City**	***State:**	***Zip:**

Rev 4/01/2011

Posting of Registration Sign and Rain Gauge



Turbidity

Construction Site Discharges

- Cannot cause >50 NTU turbidity change above background (upstream to downstream).
- Cannot cause a turbidity change which results in "substantial visible contrast" with background conditions.
- Background will be interpreted as the natural condition of the receiving waters, without the influence of man-made or man-induced causes. Turbidity levels caused by natural runoff will be included in establishing background levels.

See Figure 1

State Water Quality Standards, GP, Part I.D.10-11, p. 2

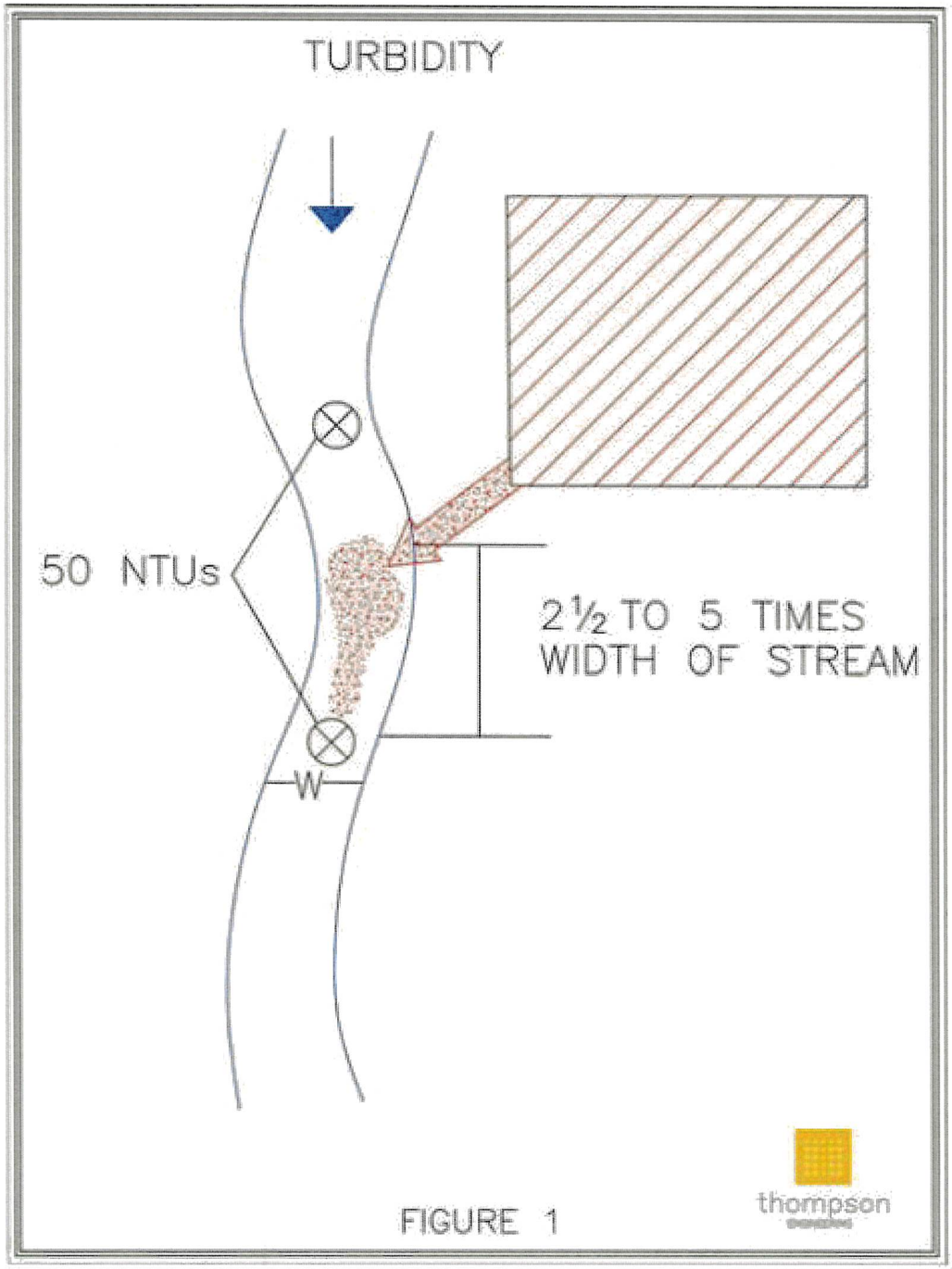
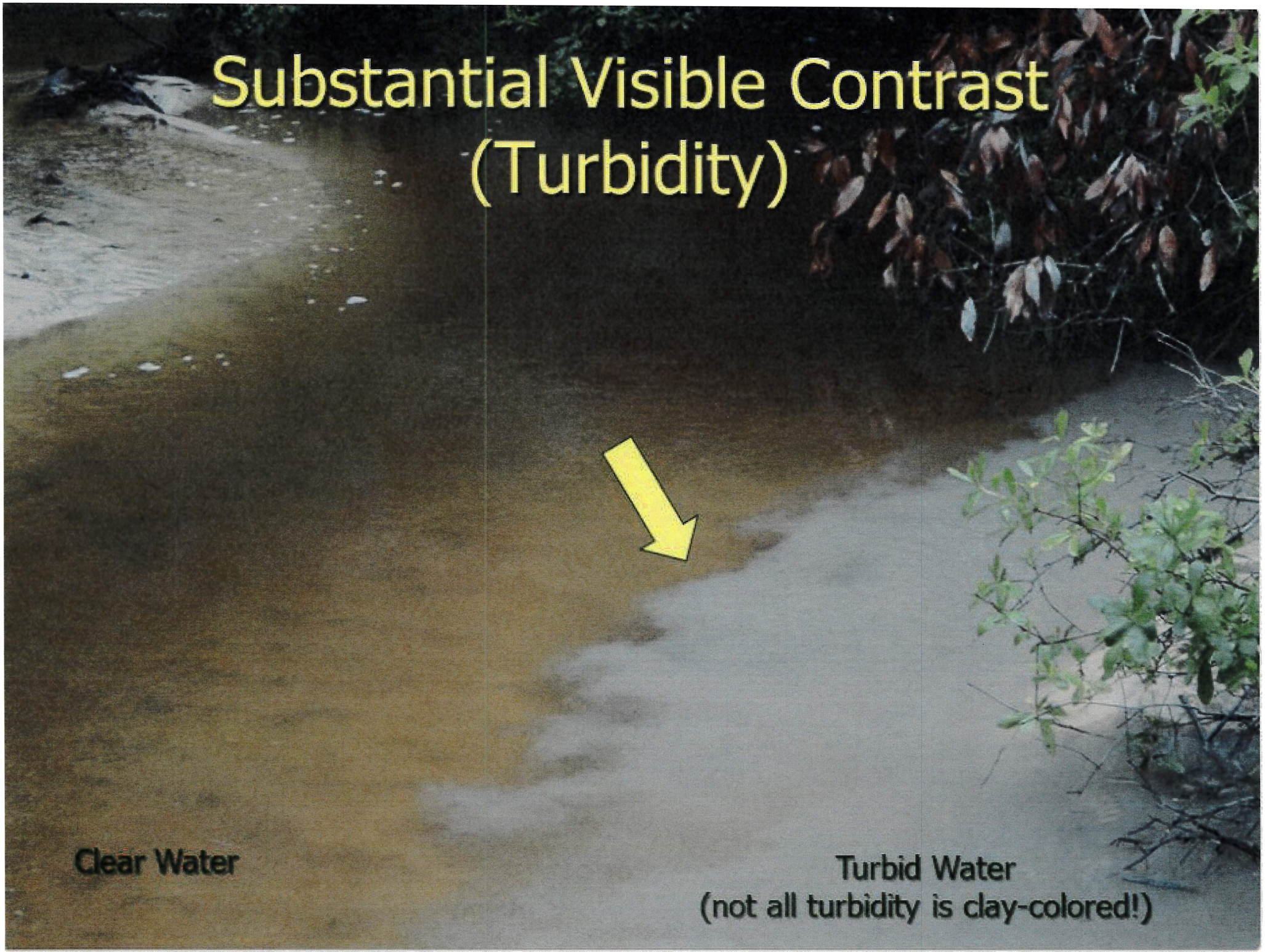


FIGURE 1


Substantial Visible Contrast
(Turbidity)
Clear Water
Turbid Water
(not all turbidity is clay-colored!)

Soil Stabilization

- Final stabilization (permanent vegetation) must be initiated immediately on any portion of the site where soil disturbance or construction activity has permanently ceased.
- Temporary stabilization must be initiated immediately on areas that will not have construction activity for 13 days or more.

GP, Part III.C, p. 9

Noncompliance Notification

- Notify ADEM verbally within 24 hours of becoming aware of the noncompliant discharge.
- Submit a written report within five (5) days of becoming aware of the noncompliant event.
- Requires signatures of QCP and Responsible Official (usually an officer of the company that holds the permit).

GP, Part IV.J, p. 19

Upset Conditions

- Exceptional incident caused by factors beyond the reasonable control of the permittee (e.g., rainfall exceeding 2-yr., 24-hr. storm).
- Must be able to demonstrate that you were in compliance at the time the upset occurred.
- Must file a noncompliance report.

GP, Part IV.O, pp. 19-20
GP, Part V, p. 26 (definition)

Request for Termination

- Mechanism used to end coverage under the NPDES permit
- Must be submitted within 30 days of final stabilization of site; or
- When another operator assumes control of areas not yet stabilized and files an NOI; or
- When coverage under another NPDES permit has been obtained.
- Requires signatures of QCP and Responsible Official.

GP, Part IV.S, p. 20

What is Final Stabilization?

- Establishment of permanent ground cover (vegetative or impervious cover) to permanently eliminate soil erosion to the maximum extent practicable.
- Established vegetation will be considered final if 100% of the soil surface is uniformly covered in permanent vegetation with a density of 85% or greater.
- Final stabilization applies to each phase of construction.

GP, Part V, p. 24

ADEM Open Burning Regulations

Air Division Chapter 335-3-3

1. Before open burning, obtain a Permit Number from Alabama Forestry Commission.
2. Only vegetation and untreated wood may be burned.
3. Permission to open burn is revoked during the months of May through October in Baldwin, DeKalb, Etowah, Jefferson, Lawrence, Madison, Mobile, Montgomery, Morgan, Russell, Shelby, and Talladega Counties.
4. Burn on the property on which the combustible fuel originates.
5. Location of the burning must be at least 500 feet from the nearest occupied dwelling.

ADEM Open Burning Regulations

Air Division Chapter 335-3-3 (continued)

6. The burning must be controlled so as to avoid creating a traffic hazard on any public road, street, or highway.
7. Burning shall be conducted only when there is good ventilation and when the prevailing wind direction is away from any built-up area in the vicinity. No burning shall be conducted in areas under a current air stagnation advisory issued by the National Weather Service or during a "Drought Emergency" declared by the Governor.
8. Initial burning may be commenced only between the hours of 8:00 a.m. and 3:00 p.m. No combustible material is to be added to the fire between 3:00 p.m. and 8:00 a.m. the following day.
9. The fire shall be attended at all times.

Note: Burn areas and pits should be located such that ash materials can not be washed into streams.

Small Borrow Pits

- On 2/1/2013, borrow pits less than five acres in size became covered under the Small Mining General Permit ALG 890000. This permit was reissued, effective 2/1/2018.
- Permit covers discharges from small noncoal/ nonmetallic mining (as defined in Part IV.EE.29) and dry processing and areas associated with these activities. Total disturbed acreage, including haul roads, all mining, and inactive areas not fully reclaimed, must be less than five acres at any one time.

ALG890000, Part IV.EE.29

ADEM-Required Inspections for Soil Mining Pits

- Pre-mining observations
- Weekly observations
- Comprehensive site inspections
  - Monthly
  - After 0.75-inch or greater rainfall in a 24-hour period (same start/complete requirements as non-linear projects under ALR100000)
  - Minimum of once every six months by QCP
  - As often as necessary until any deficiencies have been corrected

ALG890000, Part III.H
Appendix U

Inspecting Incised Soil Mining Pits
ALG 890000

If the mining pit is incised, the following comprehensive inspection and reporting procedures are acceptable:

1. The operator submits to the Department certification from a QCP, a minimum of once every three (3) months, that the noncoal/nonmetallic mining site is designed and is being operated with significant freeboard due to incised mining excavation or incised storage basins to prevent all discharges resulting from groundwater intrusion, precipitation events less than the applicable 50-year, 24-hour precipitation event, or other stormwater sources to surface waters of the State. Inspections shall be conducted once per quarter at least two months apart.

2. The noncoal/nonmetallic mining site has been operated and is being operated in full compliance with the applicable requirements of this Permit; and

ALG890000, Part III.H.3(e)

Inspecting Incised Soil Mining Pits
(continued)

3. In the case of precipitation that equals or exceeds the 50-year, 24-hour storm event, the QCP conducts a comprehensive inspection of the noncoal/nonmetallic mining site within 72-hours of said event, and a detailed report is submitted to the Department within seven (7) days of the inspection if non-compliant discharges, deficient BMPs, or other deficiencies or noncompliance with the requirements of this Permit are observed.

ALG890000, Part III.H.3(e)

Coordination – Other Agencies

- Corps of Engineers
- Local Building Inspection/Permitting Departments
- Fish & Wildlife Service
- AL Dept. of Conservation and Natural Resources
- State/County Health Departments
- AL Historical Commission
- Reservoirs – Power South, APC, GPC, COE, TVA
- AL Department of Labor
- AL Surface Mining Commission
- Tennessee Valley Authority
- State Fire Marshall
- Local subdivision regulations/ordinances
- City or county storm water management authorities

ADEM Regulatory Compliance Program

Construction Site Inspections

ADEM
Compliance Assurance Program

- Construction Site Inspection/Evaluation
- Warning Letter
- Notice of Violation (NOV)
- Administrative Order (AO)
  - With or without penalty
  - By consent or unilateral issuance
- Civil and/or criminal litigation

ADEM Compliance Assurance

- ADEM has several levels of enforcement at its disposal – everything from a warning letter to civil or criminal prosecution (listed in order of severity on the previous slide).
- ADEM doesn't necessarily have to follow sequentially in the order listed on the slide. ADEM's choice of enforcement depends on the severity of the offense and the level of effort to comply.

ADEM Compliance Assurance
(continued)

- Administrative orders can be issued by ADEM with or without penalty (fine), by negotiated consent decree, or unilaterally.
- Releasing large amounts of sediment into a nearby water of the state puts you into the administrative order and civil/criminal penalty part of the list. The State Attorney General usually handles these cases for ADEM.

What is a BMP?

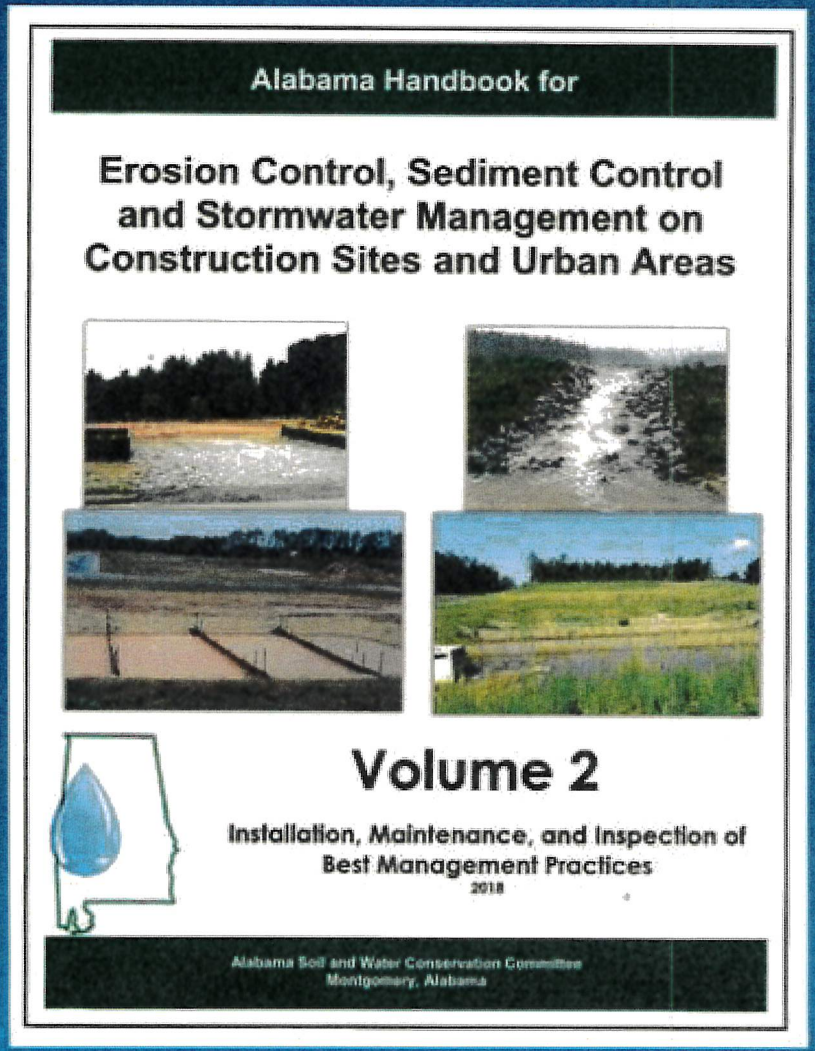
- Acronym for Best Management Practice
- Most effective, economical, and practical way of reducing or preventing polluted storm water runoff
- Structural, Procedural or Educational







BMP Design Standards and Specifications



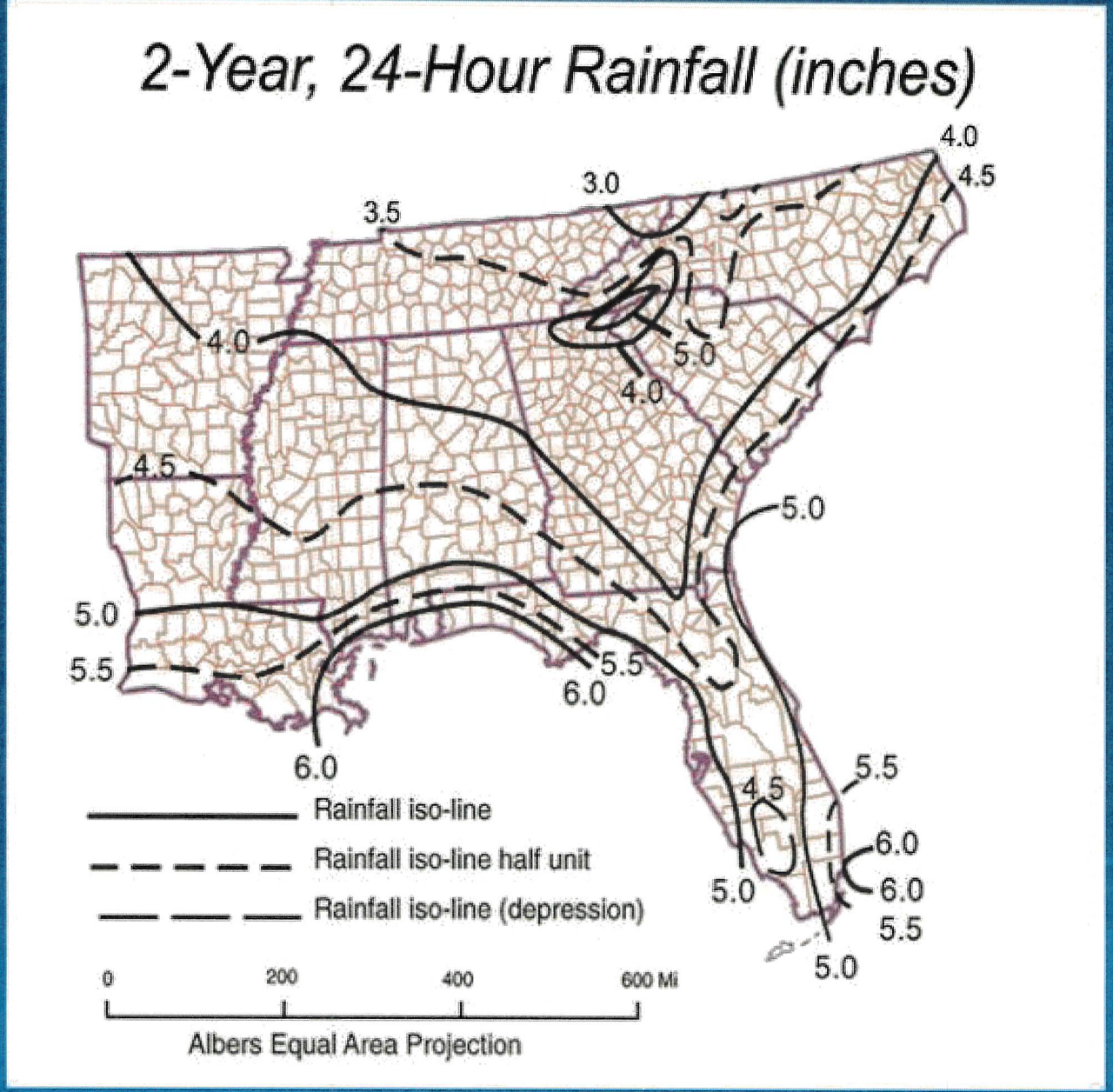
Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas, Volume 1 (Design) and Volume 2 (Installation, Maintenance, and Inspection), July 2018

http://alconservationdistricts.gov/resources/erosion-and-sediment-control/

BMPs should be designed and maintained to minimize erosion and maximize sediment removal resulting from a 2-year, 24-hour storm event.

General Permit, Part III.A.22(b), p. 7

Southeastern United States



Source: NOAA

What is a 2-yr., 24-hr. rainfall?

- Notice the isobars on the previous slide.
- Defined as 4.5 inches in 24 hours in the central part of Alabama.
- However, along the Gulf Coast, it is 6.0 inches in 24 hours.
- Would you rather get 6.0 inches over 24 hours or 2.0 inches in 30 minutes?

Answer is 6.0 inches in 24 hours!

ADEM Permit Key Requirements

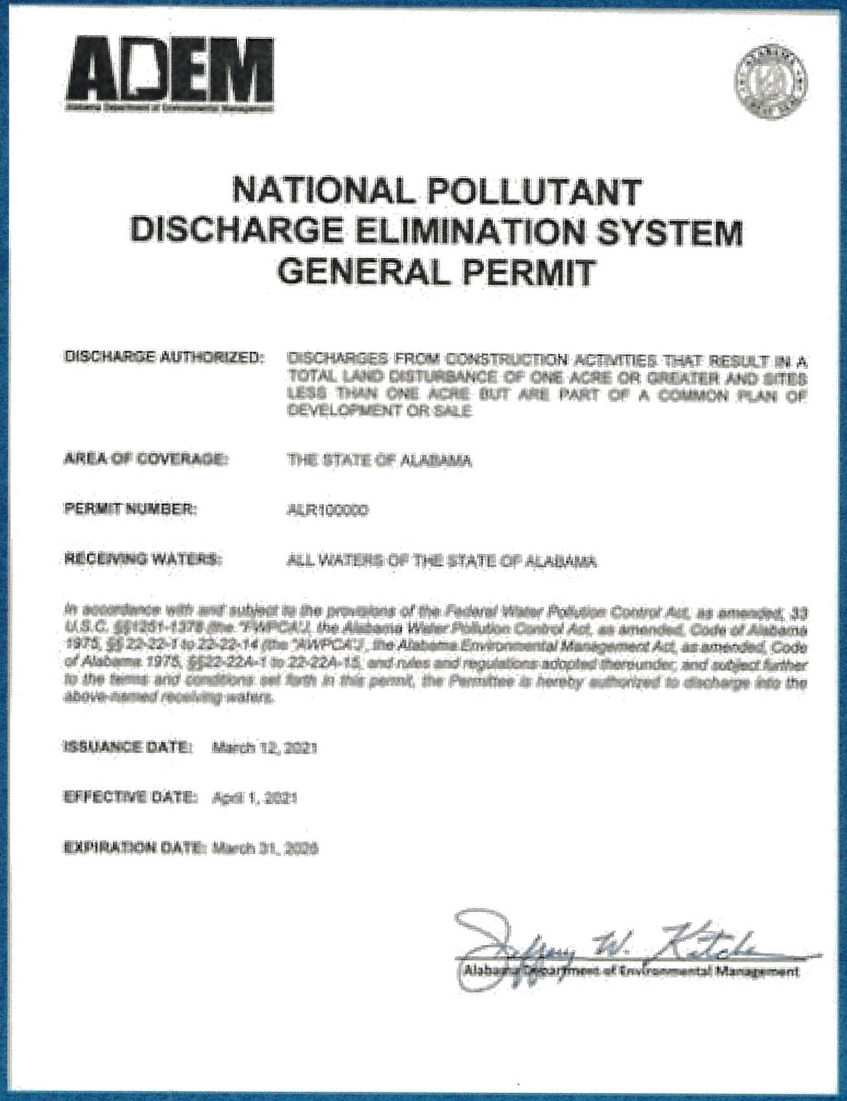
- Construction Best Management Practices Plan (CBMPP) designed and certified by a QCP
- Submit an NOI electronically and pay $1,385 application fee *prior to beginning* land disturbance activities (e.g., land clearing, tree cutting)
- Potential additional $1,610 Greenfield fee if construction activity begins before the NOI is submitted

ADEM Permit Key Requirements
(continued)

- Implementation of BMPs for all construction and related land disturbance activities in accordance with the CBMPP
- Provide a 25-ft. natural riparian buffer adjacent to all waters of the state
- Regular inspections by a QCP, qualified person under direction of QCP, or an on-site QCI
- Monitoring of precipitation (rain gauge)
- Posting of a facility identification

ADEM Permit Key Requirements
(continued)

- Monitoring of discharges from the site, and upstream and downstream turbidity, as necessary or required
- Final stabilization of site
- Removal of all temporary BMPs
- Termination of permit coverage
- Recordkeeping and documentation – until three years after document is generated



ADEM
Alabama Department of Environmental Management

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT

DISCHARGE AUTHORIZED: DISCHARGES FROM CONSTRUCTION ACTIVITIES THAT RESULT IN A TOTAL LAND DISTURBANCE OF ONE ACRE OR GREATER AND SITES LESS THAN ONE ACRE BUT ARE PART OF A COMMON PLAN OF DEVELOPMENT OR SALE

AREA OF COVERAGE: THE STATE OF ALABAMA

PERMIT NUMBER: ALR100000

RECEIVING WATERS: ALL WATERS OF THE STATE OF ALABAMA

In accordance with and subject to the provisions of the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§1251-1378 (the "FWPCA"), the Alabama Water Pollution Control Act, as amended, Code of Alabama 1975, §§ 22-22-1 to 22-22-14 (the "AWPCA"), the Alabama Environmental Management Act, as amended, Code of Alabama 1975, §§22-22A-1 to 22-22A-15, and rules and regulations adopted thereunder, and subject further to the terms and conditions set forth in this permit, the Permittee is hereby authorized to discharge into the above-named receiving waters.

ISSUANCE DATE: March 12, 2021

EFFECTIVE DATE: April 1, 2021

EXPIRATION DATE: March 31, 2026

Johnny W. Ketchen
Alabama Department of Environmental Management

http://adem.alabama.gov/programs/water/waterforms/ALR21CGP.pdf

What is a CBMPP?

- An acronym for a Construction Best Management Practices Plan
- A comprehensive, site-specific program to manage the quality of storm water discharged from a construction site
- A collection of site-specific BMPs that must be implemented in order to protect waters of the State

General Permit, Part III.E, pp. 10-12

Key Contents

Construction Best Management Practices Plan

- Site map and site description
- Detailed description and location of all control measures (BMPs)
- Sequence of construction and BMP implementation
- Inspection and maintenance schedule
- Identification of potential pollutants
- Procedures for handling and disposing of wastes

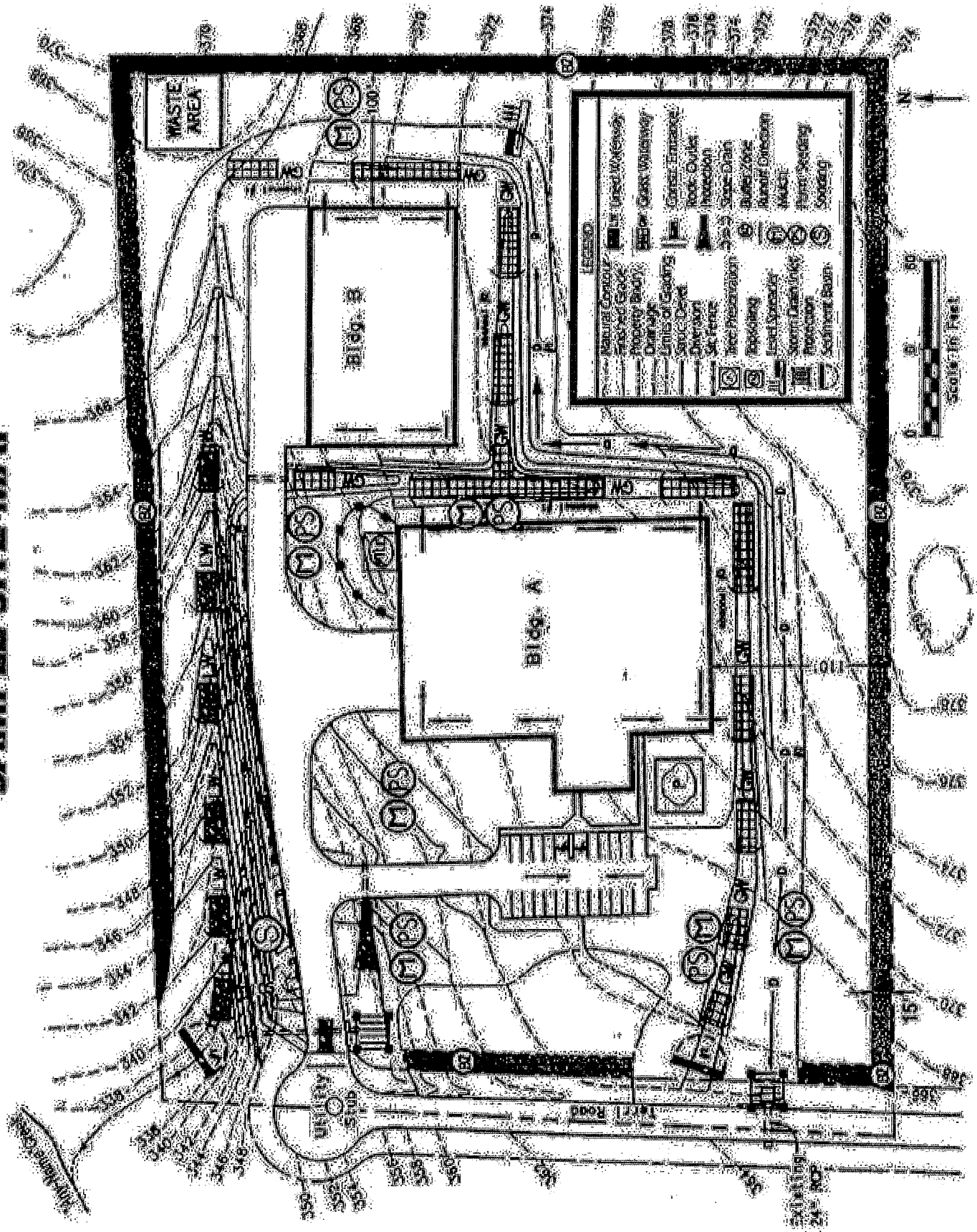
GP, Part III.E, pp. 10-11

Site Map

Construction Best Management Practices Plan

- Property boundaries
- Topography elevation data (contours)
- Location of surface waters and wetlands
- Locations of BMPs
- Areas of soil disturbance and riparian buffers
- Direction of drainage patterns
- Locations of outfalls

SAMPLE SITE MAP



SPCC Plan

Spill Prevention, Control and Countermeasures

- Required when ≥1,320 gallons of petroleum products or chemicals are stored on site.
- Can be maintained as a separate document or as part of the CBMPP.
- Additional details are discussed in the Pollution Prevention Principles module (Section 4).

GP, Part III.F, p. 12



CBMPP Template

http://adem.alabama.gov/programs/water/waterforms/CSW-CBMPPTemplate.pdf

CBMPP Template Instructions

http://adem.alabama.gov/programs/water/waterforms/CSW-CBMPPTemplateInstructions.pdf

Common Problems Identified During Site Inspections

- Facility I.D. sign not posted
- BMPs improperly installed
- BMPs not properly maintained (most common problem noted by ADEM)
- Fuels/chemicals stored improperly
- Inadequate outlet stabilization and energy dissipation
- Improper placement of portable toilets
- Poor housekeeping practices
- Failure to temporarily stabilize areas not worked in over 13 days
- Failure to clean out sediment basins/traps
- Failure to use BMPs on stream banks and stream crossings
- Failure to record precipitation data
- Offsite tracking and sedimentation

Source: ADEM

Joint and Several Liability

Legal Responsibility for Compliance

- Landowners
- Developers
- Contractors
- Subcontractors

Everyone is responsible for storm water quality!

It shall not be a defense for the Permittee …that it would have been necessary to halt or reduce construction activities in order to maintain compliance with the permit.

General Permit, Part IV.C, p. 17

Summary of Permit Requirements

- Submission of Notice of Intent
- Duty to mitigate adverse impacts
- Discharges cannot violate water quality standards (e.g. instream turbidity 50 NTU difference)
- CBMPP prepared/revised/certified by QCP and maintained onsite
- Effective erosion control and sediment control measures implemented

Summary of Permit Requirements

- Regular, comprehensive inspections of the site, BMPs, and affected water bodies
- Copies of inspection reports and log books maintained for three years after they are generated
- Spill Prevention Control and Countermeasures (SPCC Plan) when ≥1,320 gallons of petroleum products or chemicals are stored on site

Summary of Permit Requirements

- Facility identification sign
- Precipitation measurement (e.g., rain gauge on site)
- Timely stabilization of disturbed areas
- Right of entry for ADEM inspectors
- Information provided to ADEM upon request (electronic copies acceptable)
- Submission of Request for Termination

ADEM Contact Information

Construction Permits Section
Stormwater Management Branch

Shelane P. Bergquist, Chief

334-394-4399

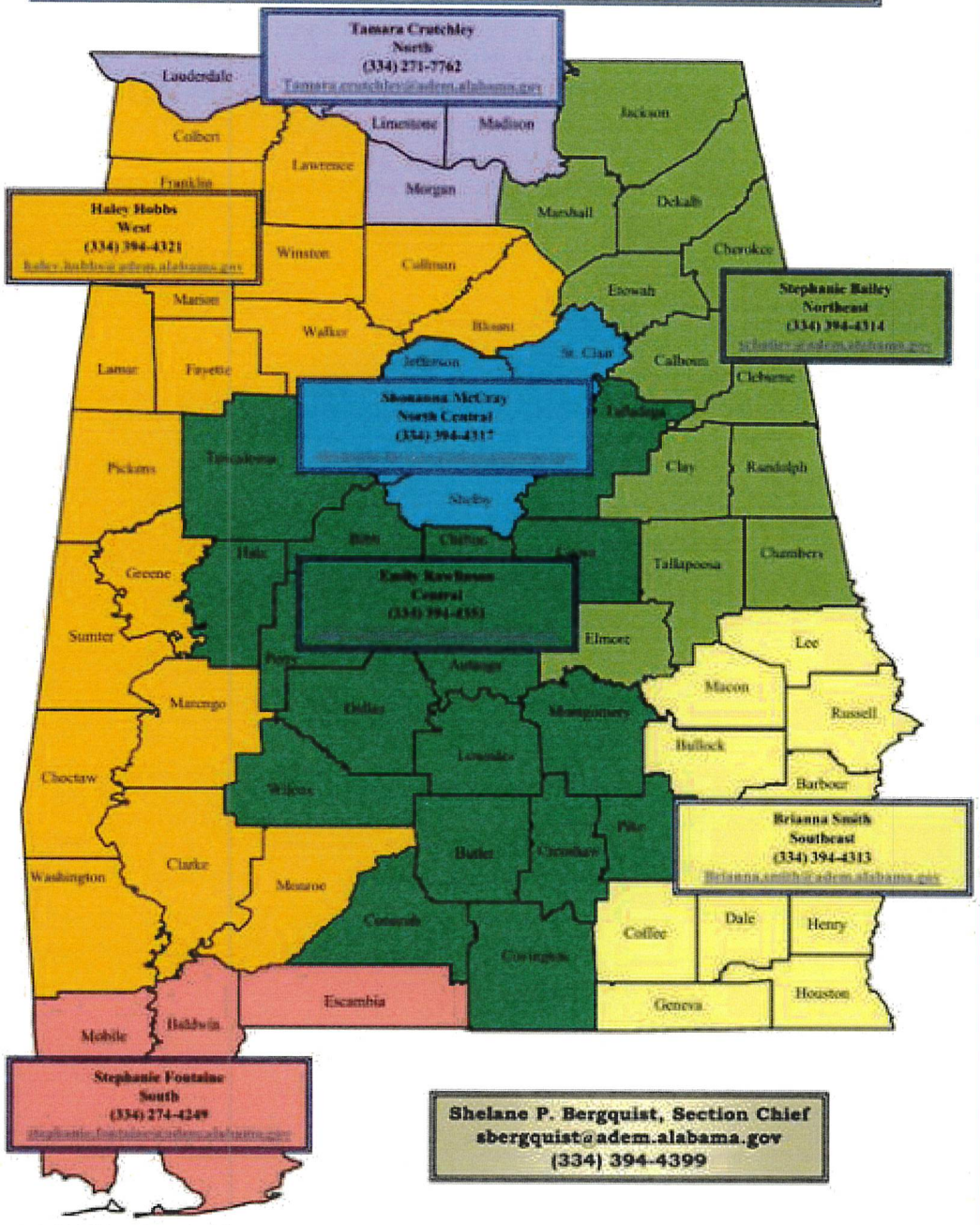
sbergquist@adem.alabama.gov

ADEM Water Division

P.O. Box 301463

Montgomery, Alabama 36130-1463

CONSTRUCTION PERMITS SECTION
AREA ASSIGNMENTS
STORMWATER MANAGEMENT BRANCH



Shelane P. Bergquist, Section Chief
sbergquist@adem.alabama.gov
(334) 394-4399

Effective August 16, 2022

ADEM Contact Information

Special Services Section
(Small Mining Pits)

Blake Pruitt, Chief

334-394-4391

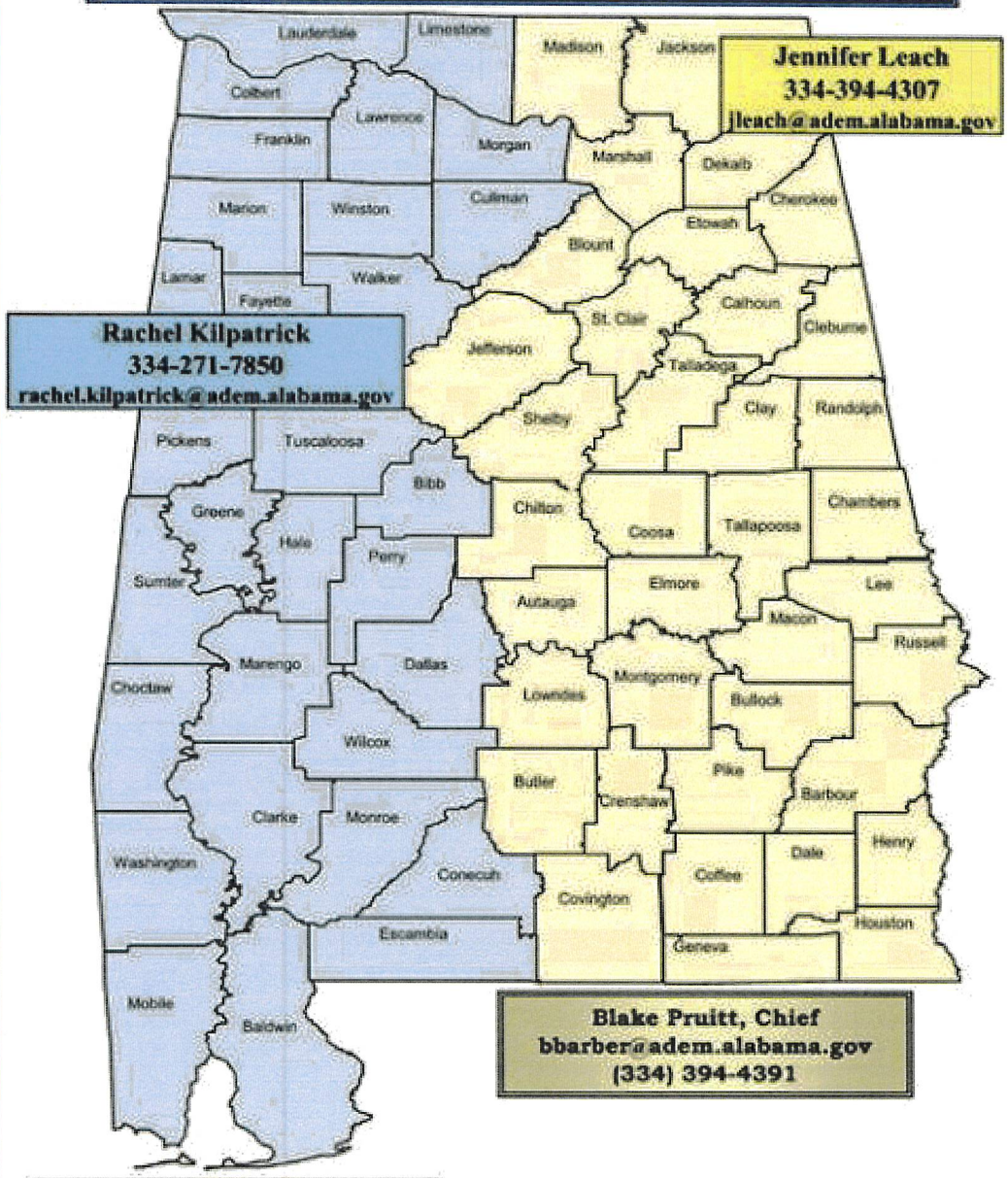
bbarber@adem.alabama.gov

ADEM Water Division

P.O. Box 301463

Montgomery, Alabama 36130-1463

Special Services Unit Area Assignment Map
Stormwater Management Branch
Water Division
(<5 Acre Mining Operations and Pesticide Applications)



Jennifer Leach
334-394-4307
jleach@adem.alabama.gov

Rachel Kilpatrick
334-271-7850
rachel.kilpatrick@adem.alabama.gov

Blake Pruitt, Chief
bbarber@adem.alabama.gov
(334) 394-4391

Effective April 1, 2021

ADEM Contact Information

Construction Stormwater Inspections and Enforcement

ADEM
Field Operations Division
P.O. Box 301463
Montgomery, AL 36130-1463
Phone 334-260-2700

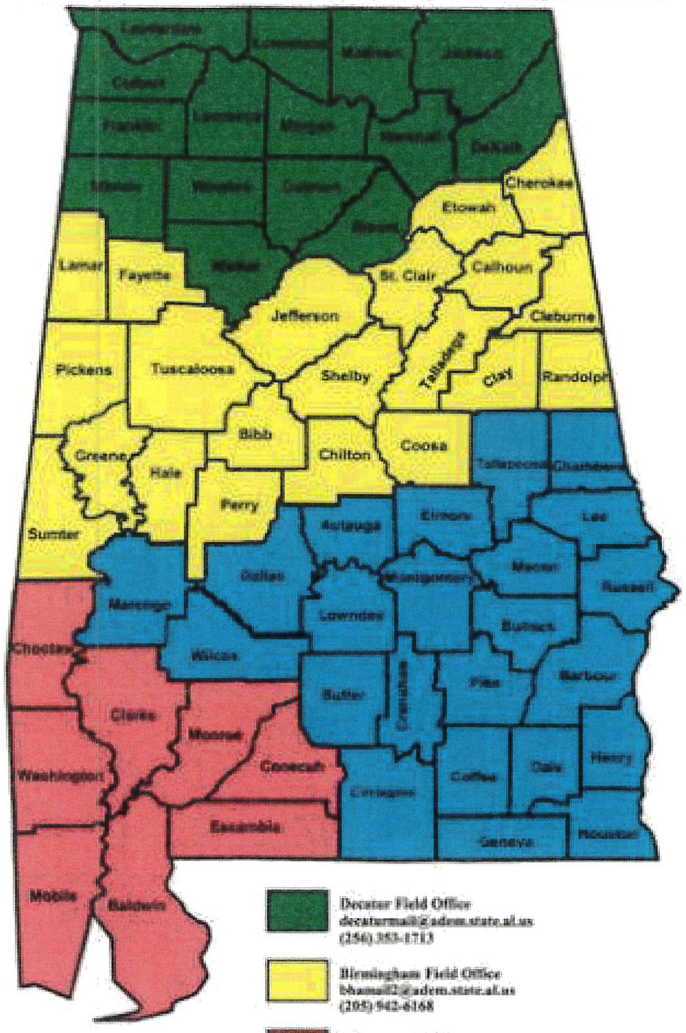
ADEM
Birmingham Branch
110 Vulcan Road
Birmingham, AL 35209-4702
Phone 205-942-6168

ADEM
Decatur Branch
2715 Sandlin Road SW
Decatur, AL 35603-1333
Phone 256-353-1713

ADEM
Mobile Central Field Office
2204 Perimeter Road
Mobile, AL 36615
Phone 251-450-3400

Email: fieldmail@adem.alabama.gov
Emergency Response After-Hours 800-843-0699

FOD Construction Stormwater (CSW) Complaint Management Areas



Updated
July 2019

ADEM Contact Information continued

Alabama Environmental Permitting and Compliance System (AEPACS)

https://aepacs.adem.alabama.gov/nviro/ncore/external/home

All Notices of Intent for permit coverage must be submitted electronically through AEPACS, including uploading CMBPPs for priority construction sites.

GP, Part II.D, p. 4



www.adem.alabama.gov

Forms
Permits
Other Guidance Documents

http://www.adem.alabama.gov/programs/water/constructionstormwater.cnt

http://adem.alabama.gov/programs/water/mining.cnt

ADCNR
COASTAL TRAINING PROGRAM
CERTIFICATE OF TRAINING

This certificate is awarded to

FABIA WATERS

In recognition of successful completion of 24 hours of

WETLAND IDENTIFICATION AND DELINEATION TRAINING

Johanna Gertsch

Johanna Gertsch

3/13/2026

Date

STATE LANDS ALABAMA DIVISION

WEEKS BAY NATIONAL ESTUARINE RESEARCH RESERVE

NOAA

UNIVERSITY OF NORTH ALABAMA

Center for Learning and Professional Development

CERTIFIED ALABAMA PLANNING AND ZONING OFFICIAL

The Alabama Planning Institute, The University of North Alabama, and The Alabama Chapter of The American Planning Association cooperatively award Recertification to

FABIA WATERS

Certified Alabama Planning and Zoning Official (CAPZO) for the Recertification period
June 30, 2024 through June 30, 2025

For successfully completing the CAPZO Recertification requirements in education and training focusing on the skills essential to an effective planning and zoning official.

Alabama Chapter,
American Planning Association

Mary Marshall VanGant

University of North Alabama
Center for Learning & Professional Development

The instructional program represented by this certificate was provided in accordance with the criteria and standards of the Southern Association of Colleges and Schools and Council on the Continuing Education Unit.

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Table 7-1 Baldwin County Phase II MS4 MCM3
Construction Site Stormwater Runoff Control Strategies and Goals

NPDES Permit Section	SWMPP Section	7-Construction Site Stormwater Runoff Control Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-3e	*7.9*	*Staff Training*	Throughout the permit cycle, County staff responsible for erosion and sediment control inspections and complaints will be trained in the identification of appropriate construction BMPs. Training will be tracked in the annual report.	*Sediment, Oils, Paints, & Trash*	*P&Z*
2025/2026			**Other Erosion & Sediment Control Training**		
Department	**Date**		**Title of Training**		
Area 100	3/24/2026		Training Topic-MS4 & CBMPP Video	See Sign-In Sheet	
Area 200	3/4/2026		Training Topic-MS4 & CBMPP Video	See Sign-In Sheet	
Area 300	3/3/2026		Training Topic-MS4 & CBMPP Video	See Sign-In Sheet	

Safety Meeting – Bay Minette HWY Department- Area 100

Topic: ~~Chainsaw Safety~~ Vehicle Safety Inspection

~~January 6, 2026~~ March 24, 2026

Visitors: MS-4 Nationwide

		Signature
Agerton, Blake	192393	1
Anderson, Dillon	192394	2
Anderson, Joshua	193415	3
Bradley, James "JB"	183846	4
Bringer, Gage	194272	5 Gage Bringer
Butler, Austin	193965	6
Carlisle, Michael "Dylan"	180702	7
Cox, Danielle	193857	8
Gentry, Robert "Bobby"	174414	9
Gray, Anthony	194351	10
Harville, Adam	107191	11
Harville, Jacob	119394	12 Jacob Harville
Howell, James "Jamie"	89447	13
Howell, Jeremy	144901	14
Howell, Rodney	019415	15
Jones, Patricia "Patty"	191527	16
Kelmer, Joseph "Joey"	046691	17
Killingsworth, Luke	193108	18
Knight, Jacobie	193598	19 Jacobie
Knight, Keanna "KeKe"	193850	20
Knott, Larry "Bailey"	193624	21
Koutny, Jaroslav "JK"	164603	22
Ledbetter, Marcus	193267	23
McDuffie, Rodgers "BJ"	194384	24
McFarland, Matthew	188893	25
Owens, Mike	062375	26 Mike Owens
Phillippi, Tommie "Rex"	5741	27
Prim, Donald	191814	28
Pugh, Mark	188214	29
Robinson, Charles "Greg"	194271	30
Simpson, Cody	193226	31
Smith, Dillon	183572	32
Stevens, Ray	191085	33
Van Vleet, Keith	185692	34
Venema, Gavin	193561	35
Weaver, Cody	188056	36 Cody Weaver
White, Robert "Rusty"	089560	37
Williams, Seth	194397	38
Wilson, Ashton "Montana"	194389	39
Wilson, Timothy	193563	40

Baldwin County Commission

Attendance Form - Safety Meeting Sign-In Sheet

Note to supervisor: Complete and file this form. Attach handout when used.

Department: Baldwin County Highway Dept. Area 200
Supervisor: John Lundy Asst. Supervisor: Forrest Davis
Date: 3/4/2026
Topic: Vehicle Safety – Inspecting Before and After Use
Time: 6:45am

Print Name:	Employee #		Signature
Allen, James	120660	1	
Atchison, Javis	194373	1	
Byrd, Matt	194109	1	
Callaway, Ginny	194360	1	
Caswell, Jared	186134	1	
Conway, Bryan	193646	1	
Davis, Logan	193684	0	XXXXXXXXXXXXX
Denton, Bill	193392	1	
Diosdado, Luis	193647	1	
Duplesis, Rosson	194374	1	
Farnham, Bryan	193307	1	
Hallford, Tim	188888	1	
Hantz, Ian	191330	1	
Hernandez, Jose	193697	1	
Holston, Mike	182579	1	
Ikner, LT	194224	1	
Jackson, Johnny	6955	0	XXXXXXXXXXXXX
Jasso, Aaron	182838	1	
Jones, Jacob	194375	1	
Kelly, Noah	193856	1	
Kesterson, Zackary	193683	1	
Lundy, John	127642	1	
McKain, Ryan	193689	1	
Milstid, James	193539	1	
Palmer, Marcello	194376	1	
Peterson, Gary	182760	1	
Phillips, Kenneth	194393	1	
Ramey, Belinda	193374	1	
Resmondo, Jack	183516	1	
Salac, Trenton	193224	1	
Sanders, Edward	25259	1	
Sellers, Devin	191331	1	XXXXXXXXXXXX
Stabler, Will	191594	0	XXXXXXXXXXXXX
Stanton, Reginald	186537	1	
Strehle, Travis	193618	1	
Swartz, Nick	194012	1	

Baldwin County Commission

Attendance Form - Safety Meeting

Note to supervisor: Complete and file this form. Attach handout when used.

Department: FOLEY HIGHWAY DEPT. – AREA 300 Date: 3-3-26

Supervisor: **Jeremy Ringler**

Topic: Vehicle Safety Time: 6:30

Sign in Sheet:

Print Name	Signature
DOUG ACKER	
JOE AVERY	
LOGAN BROCK	
JASON BROOKS	
NICK BROWN	
TIMOTHY BUTLER	
CLEO BYRD	
NICHOLAS CARDIN	
JEROME COLLINS	
CHARLES CRAWFORD	
CLIFTON CURRY	
VAL DANIELS	
TYLER DEAKLE	
MARCUS DUBUISSON	
WILLIAM DUKE	
REGGIE ERVIN	
ALEXIS FULFORD	
HARRELL GRANT	
JOEY HARRIS	
DAVID HIGGINBOTHAM	
DERICA JAMES	
KENNETH JOHNSON	
WILLIE JOHNSON	
JUNIOR JONES	
WILL KENSER	
RANDALE LANKFORD	
ROBBY MARSHALL	
JOEY NELSON	
TREY PENRY	
MICHAEL PORTER	
JEREMY RINGLER	
MICHAEL REW	
JEFFREY ROSE	
ANTHONY SALTER	
EARL STEADHAM	
CHARLES WARREN	
Dustin Daniels	
Anthony Young	

Table 7-1 Baldwin County Phase II MS4 MCM3
Construction Site Stormwater Runoff Control Strategies and Goals

NPDES Permit Section	SWMPP Section	7-Construction Site Stormwater Runoff Control Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-3e	*7.11*	*Program Evaluation*	*Throughout the permit cycle, review the Construction Site Stormwater Runoff minimum control measure strategies and goals achieved and prepare an annual report and update the SWMPP*	*Sediment, Oils, Paints, & Trash*	*P&Z*
2025-2026			**Program Evaluation**		
			The Construction Runoff Minimum Control Measure strategies		
			and goals have been achieved and tracked in the		
			Annual Report's Spreadsheets. Proposed updates will		
			be detailed in the MCM Evaluation Summary.		

2021-2026 Table 8-1 Baldwin County Phase II MS 4
MCM 4 Post Construction Stormwater Management in New and Redevelopment Sites Strategies and Goals

SWMPP Section	8-Post Construction Stormwater Management in New and Redevelopment Sites Strategies	Goal	Pollution Targeted	Responsible Departments	2021/2022 Proposed	2021/2022 Achieved	2022/2023 Proposed	2022/2023 Achieved	2023/2024 Proposed	2023/2024 Achieved	2024/2025 Proposed	2024/2025 Achieved	2025/2026 Proposed	2025/2026 Achieved
8.2.1	County Subdivision & Zoning Ordinance Review	Review and update county subdivision and zoning ordinances and guidance documents to reflect the applicable MS4 permit post construction requirements.	Storm water Quantity, Trash, Sediment & Paint, etc.	P&Z	***	***	✓	✓	*	*	*	*		
8.2.1	County Subdivision & Zoning Ordinances	Within the County's MS4 boundary, review subdivision and zoning applications for compliance with the county's stormwater management requirements and track in annual SWMPP report	Storm water Quantity, Trash, Sediment & Paint, etc.	Hwy & P&Z	***	***	✓	✓🗀	✓	✓🗀	✓	✓🗀		
8.2.2	Promote Low Impact Development/Green Infrastructure (LID/GI)	In year one (1), review county subdivision and zoning ordinance for opportunities to incentivize the use of LID/GI	Storm Water Quantity	Planning & Zoning	***	***	✓	✓	*	*	*	*		
8.2.2	Promote Low Impact Development/Green Infrastructure (LID/GI)	Throughout the permit cycle, track LID/GI BMPS implemented in the County's MS4 boundary	Storm Water Quantity	P&Z	***	***	✓	✓	✓	✓🗀	✓	✓🗀		
8.2.5	Perform Field Evaluations and Long-term Maintenance and Monitoring of Best Management Practices	In year one (1), review the county's subdivision & zoning ordinance to determine if the county has the authority to inventory and require inspections and maintenance of private stormwater facilities (SWF) (detention basins,etc.) within its MS4 Boundary's zoned districts.	Storm water Quantity, Trash, Sediment & Paint, etc.	Hwy & P&Z	***	***	✓	✓🗀	*	*	*	*		
8.2.5	Perform Field Evaluations and Long-term Maintenance and Monitoring of Best Management Practices	If it is determined that the County has the authority to perform the inventory and maintenance of SWF , in years two (2) and three (3) within the county will create a inventory and inspection program that requires annual inspections of all public and private stormwater management facilities to evaluate performance and design	Storm water Quantity, Trash, Sediment & Paint, etc.	Hwy & P&Z	***	***	*	*	*	*	✓	✓		
8.2.5	Perform Field Evaluations and Long-term Maintenance and Monitoring of Best Management Practices	If it is determined that the County has the authority to perform the inventory and maintenance of SWF , for the remainder of the permit cycle years four (4)& five (5), within the County's MS4 boundary zoned districts, the County will implement the program and track all data in the annual report	Storm water Quantity, Trash, Sediment & Paint, etc.	Hwy & P&Z	***	***	*	*	*	*	*	*		
8.2.7	Low Impact Development/Green Infrastructure (LID/GI)	During the permit cycle, provide at least one LID/GI training to the County's Planning Commission & staff	Storm Water Quantity	P&Z	***	***	1	1🗀	*	*	*	*		
8.2.7	Low Impact Development/Green Infrastructure (LID/GI)	During the permit cycle, sponsor or provide at least one LID/GI training (workshop) to developers, consultants and engineers	Storm Water Quantity	P&Z	***	***	1	1🗀	*	*	*	*		
8.4	Program Evaluation	Throughout the permit cycle, review the Post Construction minimum control measure strategies and goals achieved and prepare an annual report and update the SWMPP	Storm water Quantity, Trash, Sediment & Paint, etc.	P&Z	***	***	✓	✓	✓	✓	✓	✓		
		Total Goals			***	***	8	8	3	3	4	4		

Hwy	Highway
P&Z	Planning & Zoning
*	Not Proposed for Permit Year
**	Completed Prior to Proposed Year
***	Spreadsheet Not Used for 2021/2022 Reporting Period
X	Not Completed-Goal Not Met
🗀	Attachment Included in Report

Table 8-1 Baldwin County Phase II MS4

MCM 4 Post Construction Stormwater Management in New and Redevelopment Sites Strategies and Goals

NPDES Permit Section	SWMPP Section	8-Post Construction Stormwater Management Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-4aiv	*8.2.1*	*County Subdivision & Zoning Ordinance Review*	*Review and update county subdivision and zoning ordinances and guidance documents to reflect the applicable MS4 permit post construction requirements.*	*Storm water Quality, trash, Sediment & Paint, etc.*	*P&Z*
2025/2026		**Ordinance**	**Date**		
		Zoning Ordinance	No Updates		
		Subdivision Ordinance	No Updates		
			Copies can be found at BaldwinCountyal.gov		

Table 8-1 Baldwi unty Phase II MS4

MCM 4 Post Construction Stormwater Management in New and Redevelopment Sites Strategies and Goals

NPDES Permit Section	SWMPP Section	8-Post Construction Stormwater Management Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-4ai2	*8.2.1*	*County Subdivision & Zoning Ordinance*	*Within the County's MS4 boundary, review subdivision and zoning applications for compliance with the county's stormwater management requirements and track in annual SWMPP report.*	*Storm water Quality, trash, Sediment & Paint, etc.*	*Hwy & P&Z*
2025/2026					
Permit#	**Permit Status**	**Issue Date**	**Name**	**Address**	**Copies**
SRP25-000024	Approved with Cor	12/15/2025	North Lake	State Hwy 225-Spanish Fort	
CSP25-000017	Approved	08/26/2025	Floor Medic	8985 TAPIS LN-Fairhope	See SWMPP Section 7.4

Table 8-1 Baldwin County Phase II MS4

MCM 4 Post Construction Stormwater Management in New and Redevelopment Sites Strategies and Goals

NPDES Permit Section	SWMPP Section	8-Post Construction Stormwater Management Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-4aiii	*8.2.2*	*Promote Low Impact Development/Green Infrastructure*	*In year 1, review county subdivision and zoning ordinance for opportunities to incentivize the use of LID/GI*	*Storm Water Quality*	*P&Z*
2025/2026			**No Updates**		

Table 8-1 Baldwin County Phase II MS4

MCM 4 Post Construction Stormwater Management in New and Redevelopment Sites Strategies and Goals

NPDES Permit Section	SWMPP Section	8-Post Construction Stormwater Management Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-4av&vi	*8.2.5*	*Perform Field Evaluations and Long-term Maintenance and Monitoring of Best Management Practices*	*In year 1, review the county's subdivision & zoning ordinance to determine if the county has the authority to inventory and require inspections and maintenance of private stormwater facilities (SWF)(detention basins, etc.)within its MS4 boundary's zoned districts.*	*Storm water Quality, trash, Sediment & Paint, etc.*	*Hwy & P&Z*

Date	Document/Meeting
2025/2026	Completed In Year 1

Table 8-1 Baldwin County Phase II MS4

MCM 4 Post Construction Stormwater Management in New and Redevelopment Sites Strategies and Goals

NPDES Permit Section	SWMPP Section	8-Post Construction Stormwater Management Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-4av&vi	*8.2.5*	*Perform Field Evaluations and Long-term Maintenance and Monitoring of Best Management Practices*	*If it is determined that the County has the authority to perform the inventory and maintenance of SWF, in years two (2) and three (3) within the county will create a inventory and inspection program that requires annual inspections of all public and private stormwater management facilities to evaluate performance and design*	*Storm water Quality, trash, Sediment & Paint, etc.*	*Hwy & P&Z*
2025/2026					
		In 2025 the County adopted new Subdivision Regulations that			
		required Stormwater Operation & Maintenance Plans			
		for new development. The County is considering creating a			
		MS4 Overlay District in the Zoned MS4 Areas. If adopted, the county			
		will address this MS4 MCM during the next permit cycle.			

Table 8-1 Baldwin County Phase II MS4

MCM 4 Post Construction Stormwater Management in New and Redevelopment Sites Strategies and Goals

NPDES Permit Section	SWMPP Section	8-Post Construction Stormwater Management Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-4ai2	*8.2.5*	*Perform Field Evaluations and Long-term Maintenance and Monitoring of Best Management Practices*	*If it is determined that the County has the authority to perform the inventory and maintenance of SWF, for the remainder of the permit cycle years four (4) & five (5), within the County's MS4 boundary zoned districts, the county will implement the program and track all data in the annual report.*	*Storm water Quality, trash, Sediment & Paint, etc.*	*Hwy & P&Z*
	2025/2026				
	In 2025 the County adopted new Subdivision Regulations that				
	required Stormwater Operation & Maintenance Plans				
	for new development. The County is considering creating a				
	MS4 Overlay District in the Zoned MS4 Areas. If adopted, the county				
	will address this MS4 MCM during the next permit cycle.				

Table 8-1 Baldwi unty Phase II MS4

MCM 4 Post Construction Stormwater Management in New and Redevelopment Sites Strategies and Goals

NPDES Permit Section	SWMPP Section	8-Post Construction Stormwater Management Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-4aiii	*8.2.7*	*Low Impact Development/Green Infrastructure(LID/GI)*	*During the permit cycle, provide at least one LID/GI training to the County's Planning Commission & Staff*	*Storm water Quality, trash, Sediment & Paint, etc.*	*P&Z*

Date	Training Topic	Location	Date	Audience
2025/2026	Stormwater Management Design & Review Training-LID	Robertsdale	1/29/2026	Staff

BALDWIN COUNTY, ALABAMA

Planning and Zoning Department

Stormwater Management Design & Review Training

January 29, 2026

9:00:00 am -11:30 pm

Robertsdale Central Annex-Commission Chambers
22251 Palmer Street, Robertsdale, AL

Objectives:
For Planning & Zoning staff to:

- Become familiar with the Baldwin County's Stormwater Management Design Forms
- Become familiar with Baldwin County's Low Impact Development (LID) Suspended Solids and Nutrient Load Reduction Review Tool

Partners & Facilitators:

- Mobile Bay National Estuary Program (MBNEP) - Cody Aloi
- 5020 Engineering Resource Group Incorporated - Wade Burcham
- Hydro Engineering Solutions - Dewayne Smith

Agenda:

8:50-9:00	MBNEP Restoring & Protecting Our Coastal Waters	Cody Aloi
9:00-10:00	Low Impact Development Suspended Solids and Nutrient Load Reduction Site Review Tool	Wade Burcham
10:00-11:00	Baldwin County Storm Water Management Design Forms	Dewayne Smith

CREATE A Clean Water FUTURE
www.CleanWaterFuture.com

Baldwin County Planning and Zoning Stormwater Training

1/29/2026

Name	Department	Section	Signature
James Howard	P & Z		James Howard
Nathan White	P&Z		Nathan White
Justin Cregger	P+Z		
Rebecca Peacock	P+Z		
	P&C		
Michael Smith	P+Z		
Barry Guy	P+Z		
Kaylan Dalskell	P+Z		
Michael Sharp	P+Z		
Crystal Bates	P+Z		Crystal Bates
Elizabeth Wilson	P&Z		Elizabeth Wilson
Calla Mckenzie	P+Z		Calla Mckenzie
Shelby Caulson	P+Z		Shelby Caulson
JENNY MOSLEY	P & Z		
Cory Rhodes	P+Z		Cory Rhodes
Linda Lee	P & Z		Linda Lee
Jay Dickson	P+Z		
Celena Boykin	P+Z		
WADE BURCHAM	5020 ENG		Wade Burcham
Josh Newman	P & Z		

Table 8-1 Baldwi unty Phase II MS4

MCM 4 Post Construction Stormwater Management in New and Redevelopment Sites Strategies and Goals

NPDES Permit Section	SWMPP Section	8-Post Construction Stormwater Management Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-4aiii	*8.2.7*	*Low Impact Development/Green Infrastructure(LID/GI)*	*During the permit cycle, sponsor or provide at least one LID/GI training (workshops) to developers, consultants and engineers*	*Storm water Quality, trash, Sediment & Paint, etc.*	*P&Z*

Date	Training Topic	Location	Date	Audience
2025/2026	Stormwater Management Design & Review Training-LID	Robertsdale	2/12/2026	Engineers Municipalities Developers

BALDWIN COUNTY, ALABAMA

Planning and Zoning Department

Stormwater Management Design & Review Training

February 12, 2026

8:30:00 am -12:30 pm

Robertsdale Central Annex-Commission Chambers
22251 Palmer Street, Robertsdale, AL

Objectives:

For local government, engineers, consultants, developers, and contractors to:

- Become familiar with the Baldwin County's Stormwater Management Design Forms
- Become familiar with Baldwin County's Low Impact Development (LID) Suspended Solids and Nutrient Load Reduction Review Tool
- Become familiar with AGWA Storm Water Management Modeling

Partners & Facilitators:

- Mobile Bay National Estuary Program (MBNEP) -Jason Kudulis & Cody Aloi
- 5020 Engineering Resource Group Incorporated-Wade Burcham
- Hydro Engineering Solutions - John Curry & Dewayne Smith
- Baldwin County – Jay Dickson & Josh Newman

Agenda:

8:30-8:45	Welcome Baldwin County	Jay Dickson
8:45 -8:55	Introductions	Jay Dickson
8:55-9:10	MBNEP Restoring & Protecting Our Coastal Waters	Cody Aloi
9:10-10:00	Low Impact Development Suspended Solids and Nutrient Load Reduction Site Review Tool	Wade Burcham
10:00-11:00	Baldwin County Storm Water Management Design Forms	Dewayne Smith
11:00-12:00	AGWA Storm Water Management Modeling	John Curry
12:00-12:30	Questions & Answers	Josh Newman
12:30	Adjournment	

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Baldwin County - Stormwater Management Design & Review Training Signin Sheet

Name	Organization	Attended ✓
Amanda Thompson	Goodwyn Mills Cawood	✓
Andy Bobe	City of Daphne	✓
Andy McCartney	TTL	✓
Annelise Dodd	Volkert, Inc.	✓
Austin Lutz	Engineering Design Group	
Avalisha Fisher	Driven Engineering, Inc.	✓
Baker Davis	Divergent Engineering, LLC	
Brady Thoennes	City of Gulf Shores Engineering	✓
Brandon Mason	DHI Engineering	✓
Brent Anderson	DDG	✓
Caleb Harper	City of Spanish Fort	✓
Caryn Woerner	Town of Elberta	
Cathy Barnette	Dewberry	✓
Chasity Davis	Town of Summerdale	✓
Cherice C. Brannan	Dewberry	
Clay Moore	Engineering Design Group	✓
Cole Schmidt	Anchor DBG	
Colin Davis	Engineering Design Group (EDG)	✓
Cooper O'Briant	Core Management, LLC	
Daniel Overstreet	Driven Engineering, Inc	
Eric Jackson	Thompson Engineering	✓
Evan Bedwell	Thompson Engineering	✓
Evan Reid	Volkert, Inc.	✓
Farnaz Bayat	South Alabama Regional Planning Commission	✓
Gene Stacey	GMC	
Hannah Driskell	Town of Magnolia Springs	✓
Hunter Channell	Kimley Horn	✓
Jackie McGonigal	City of Foley Environmental Department	✓
Jared Landry	Kimley-Horn	✓

=21

Jason Estes	Dewberry Engineers	✓
Jenny Wolfschlag	City of Gulf Shores	✓
Jeremy Sasser	GMC	✓
Jesi Ward	City Of Daphne	✓
Justin Britt	DHI Engineering	✓
Kelley Watts	White-Spunner Construction	✓
Kim Hatfield	Town of Summerdale	✓
Krista Landenwich	Anchor Engineering	✓
Lee Rambo	JADE	–
Leslie Gahagan	City of Foley	✓
Madison Gall	White-Spunner Construction	✓
Matthew Jones	Mobile County	✓
Melissa Hadley	Goodwyn Mills Cawood	✓
Michael Tomaso	Sawgrass Consulting, LLC	✓
Michelle Melton-Null	City of Fairhope	✓
Nick Combs	DDG	✓
Nicole Taylor	South Alabama Regional Planning Commission	✓
Paul Marcinko, P.E.	JADE Consulting, LLC	–
Randy Farris	Town of Summerdale	–
Robert A. Cummings	Overstreet & Associates, PLLC	✓
Rodney Gibson	DHI Engineering, LLC	✓
Sarah Wraight	South Alabama Regional Planning Commission	✓
Sawyer Connick	White-Spunner Construction	✓
Scott Rowe	White-Spunner Construction, LLC	–
Spencer Cooper	Thompson Engineering	✓
Steve Mobley	Town of Magnolia Springs	✓
Taylor Davis	City of Foley	✓
Thomas Luce	JADE Consulting	–
Tim Lawley	Sawgrass	–
Tom Granger	Pillar Consulting	✓
Trey Jinright	JADE	✓

=25

VAL BAHRIN	EDG	✓
William Graham	Jade Consulting, LLC	
Guest-		
Codi Aloi	MBNFP	✓
Raven Roberts	City of Foley	✓
John Curry	AGWA	✓
DeWayne Smith	AGWA	✓
Judy Smith	[redacted] Dr Horton	✓
Jay Broughton	Broughton	✓
Vincent Parker	Broughton	✓
Commissioner Underwood		✓
Sierra Stilwell	Baldwin County	✓
[redacted]	[redacted]	
Wade Burcham	5020 eng	

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Table 8-1 Baldwin County Phase II MS4

MCM 4 Post Construction Stormwater Management in New and Redevelopment Sites Strategies and Goals

NPDES Permit Section	SWMPP Section	8-Post Construction Stormwater Management Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-4b	*8.4*	*Program Evaluation*	*Throughout the permit cycle, review the Post Construction minimum control measure strategies and goals achieved and prepare an annual report and update the SWMPP.*	*Storm water Quantity, Trash, Sediment*	*P&Z*
2025/2026			**Program Evaluation**		
			The Post Construction Minimum Control Measure strategies		
			and goals have been achieved and tracked in the		
			Annual Report's Spreadsheets. Proposed updates will		
			be detailed in the MCM Evaluation Summary.		

2021-2026 Table 9-2 Baldwin County Phase II MS 4
MCM 5 Pollution Prevention/ Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention Good House Keeping	Goal	Pollution Targeted	Responsible Departments	2021/2022 Proposed	2021/2022 Achieved	2022/2023 Proposed	2022/2023 Achieved	2023/2024 Proposed	2023/2024 Achieved	2024/2025 Proposed	2024/2025 Achieved	2025/2026 Proposed	2025/2026 Achieved
Part III-5ai	9.2.1.1	County Owned Facilities	Throughout the permit cycle, within the County's MS4 boundary, update county facility inventory as needed.	All	Hwy & P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
Part III-5ai	9.2.1.2	County Owned Facilities	Throughout the permit cycle, within the County's MS4 boundary, create and updated assessments and Standard Operating Guidance (SOG) for facilities as needed.	All	Hwy & P&Z	***	***	✓	🗀	*	*	*	*	*	*
Part III-5aiii	9.2.1.2	ADEM permits	Throughout the permit cycle, within the County's MS4 boundary report county ADEM permits (UST, etc.)and compliance records in annual report.	Oil & Gas	P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-5aiii3	9.2.2	Structural Controls Roads & Bridges	Throughout the permit cycle, the county's stormwater management system (structural controls) inventory will be updated and controls will maintained. Track data in the annual report.	Trash & Sediment	Hwy	***	***	✓	✓	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-5biv	9.2.2.4	Capital Stormwater Projects	Throughout the permit cycle, within the County's MS4 boundary zoned districts, inspect County projects for environmental compliance; track and report in annual report.	All	Hwy & P&Z	***	***	✓	✓	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-5biv	9.2.3.5	Structural Controls Roads & Bridges	Throughout the permit cycle, within the County's MS4 boundary, inspect bridges twice during permit cycle.	Trash & Sediment	Hwy	***	***	✓	🗀	*	*	*	*	✓	✓🗀
Part III-5baii	9.2.3.7	Recycling Program	Through out the permit cycle, within the County's MS4 boundary, track volume of recycled materials and report data in the annual report.	Trash	Solid Waste	***	***	✓	✓	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-5aii	9.2.3.7	Litter Patrol	Throughout the permit cycle, within the County's MS4 boundary, track volume of litter picked up from county right of-ways.	Litter & Floatables	Solid Waste	***	***	✓	🗀	✓	✓🗀	✓	✓🗀	✓	✓🗀
Part III-5av	9.2.5	Training	Throughout the permit cycle, employees with MS4 duties will be provided stormwater training in regards to the County's Stormwater Management Program.	All	P&Z	***	***	✓	🗀	*	*	✓	✓	✓	✓🗀
Part III-5av	9.2.5	Training	Provide additional stormwater training (including information regarding facility SOGs) twice during permit cycle to employees with program responsibilities such as, street, and mowing crews.	All	P&Z	***	***	*	*	*	*	✓	✓🗀	✓	✓🗀
Part III-5aii	9.2.6.	Flood Management	Throughout the permit cycle, within the County's MS4 boundary, evaluate flood management projects and track data in annual report.	Storm Water	Building Inspections	***	***	✓	✓	✓	✓	✓	✓	✓	✓🗀
Part III-5aii	9.2.6.1	Community Rating System (CRS)	During the permit cycle, track CRS public outreach and education activities and provide a summary in the annual report.	Storm Water	P&Z	***	***	✓	🗀	✓	✓🗀	✓	✓	✓	✓🗀
Part III-5d	9.4	Program Evaluation	Throughout the permit cycle, review the PP/Good Housekeeping minimum control measure strategies and goals achieved and prepare an annual report and update the SWMPP.	All	P&Z	***	***	✓	✓	✓	✓	✓	✓	✓	✓
					Totals	***	***	12	12	9	9	11	11	**12**	**12**
	*	Not Proposed for Permit Year													
	**	Completed Prior to Proposed Year													
	***	Spreadsheet Not Used for 2021/2022 Reporting Period													
	X	Not Completed-Goal Not Met													
	🗀	Attachment Included in Report													
	P&Z	Planning & Zoning													
	Hwy	Highway													

Table 9-6 Baldwin County Phase II MS4
MCM 5 Pollution Prevention/Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5ai	*9.2.1.1*	*County Owned Facilities*	*Throughout the permit cycle, within the County's MS4 boundary, update county facility inventory as needed*	*All*	*Hwy & P&Z*
2025/2026	**MS4 Area**	**Facility**	**Use**		
	City of Fairhope	Fairhope Satellite Court House	Court House		
	Baldwin County	Ellisville Community Center	Community Center		
	City of Fairhope	Brats Bus Station	Bus Office		

Table 8-1 Baldwin County Phase II MS4

MCM 4 Post Construction Stormwater Management in New and Redevelopment Sites Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5ai	*9.2.1.2*	*County Owned Facilities*	*Throughout the permit cycle, within the County's MS4 boundary, create and updated assessments and Standard Operating Guidance (SOG) for facilities as needed*	*All*	*Hwy & P&Z*

Document	Year
2025-2026	No Activity

Table 9-6 Baldwin[illegible]unty Phase II MS4

MCM 5 Pollution/Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5aiii	*9.2.1.2*	*ADEM permit*	*Throughout the permit cycle, within the County's MS4 boundary, report county ADEM permits (UST, etc.)and compliance records in annual report*	*Oil & Gas*	*P&Z*

2025/2026	Permit #/ Facility ID	Description
	501-G133-X001v1.0	State 1 Air Permit for Fueling Operation
	20581-003-018158	Above Ground Storage Tank
	SPCC Plan	Spill Prevention Control & Countermeasure Plan

========== ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT ==========

C E R T I F I C A T E of R E G I S T R A T I O N

========== UNDERGROUND STORAGE TANKS ==========

ADEM 2026

ADEM Facility ID 20581-003-018158

FAIRHOPE SATELLITE COURTHOUSE
1100 FAIRHOPE AVENUE
FAIRHOPE, AL 36532

The Certificate of Registration will no longer be mailed. Please login to AEPACS to pay the annual invoiced fees and download your new certificate.

Owner: BALDWIN COUNTY COMMISSION
312 COURTHOUSE SQUARE SUITE 18
BAY MINETTE, AL 36507

This Certificate is valid through April 15, 2027.

Please display this certificate in a prominent location near the business licenses.

Fuel spills and delivery overfills must be immediately cleaned and all spills/overfills over 25 gallons are required to be reported to the Department within 24 hours. Spills/overfills under 25 gallons that are immediately cleaned and are not released into the environment, are not required to be reported. For ADEM's Emergency Response, call (800) 424-8802.

For questions relating to regulations, testing, tank trust fund eligibility, or compliance, please email USTCompliance@adem.alabama.gov call (334) 270-5655 and leave a detailed voice mail message.

Underground Storage Tank (UST) Compliance testing and annual tank fees may be electronically submitted via the Alabama Environmental Permitting and Compliance System (AEPACS). For information on creating an AEPACS Account or updating your existing account, email ademwebportal@adem.alabama.gov or go to https://adem.alabama.gov.egov/AEPACS.cnt.

- This Certificate does not supersede ADEM's web-based Delivery Prohibition List.
- This Certificate does not imply or verify proof of fee payment.
- This Certificate does not indicate that a facility is operating in compliance.

Number of active aboveground tanks:	1
Number of underground tanks currently in use:	0
Number of underground tanks temporarily closed:	0

SITE ID	UTN	CONTENTS	(CURRENT)	(TEMP)	GALLONS	FEE	YEAR

Above Ground Storage Tank
Monthly Inspection 2025 - 2026

Facility: Fairhope Courthouse	10,000 Gallon Gasoline Tank	ADEM AST Permit # 20581-003-018158
Address: 1100 Fairhope Ave, Fairhope		ADEM AIR ID# 501-G133-X001 v1.0

Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
Date	1/3/25	2/2/26	3/3/26	4/7/26	5/4/26						11/5/25	12/3
Inspector Intinals		CW	CW	CW	DW						CW	DW
Inspectors Name:												
Tank Shell												
Discoloration	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Puddles(Leaked or spilled)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Corrosion or deterioration	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Cracks in seams/surface	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Buldging	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Openings liquid tight	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N	Y N	Y N	Y N	Y N	(Y) N	(Y) N
Stressed vegetation	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N	Y N	Y N	Y N	Y N	(Y) N	(Y) N
Tank Foundation												
Cracks in seams/surface	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Discoloration	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N	Y N	Y N	Y N	Y N	(Y) N	(Y) N
Puddles(Leaked or spilled)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Settled or eroded	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Gaps or Damage	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Damage from veg. roots	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Piping												
Discoloration	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Corrosion, cracks, deterioration	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Buckling between supports	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Valves, seals, or gaskets leaking	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Supports damaged/deteriorated	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Drain Pipes Closed and Cleared	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Buried piping exposed	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
General												
Tank gauge working properly	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N	Y N	Y N	Y N	Y N	(Y) N	(Y) N
Loading/Unloading Valves locked and capp	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N	Y N	Y N	Y N	Y N	(Y) N	(Y) N
Tank vents obstructed	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Warning Signs missing/deteriorated	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N	Y (N)	Y (N)
Emergency Phone Numbers Posted	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N	Y N	Y N	Y N	Y N	(Y) N	(Y) N
Air Vapor												
Gasket on the cap present and in good condition?	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N	Y N	Y N	Y N	Y N	(Y) N	(Y) N
Spill bucket dry and free of dirt/debris?	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N	Y N	Y N	Y N	Y N	(Y) N	(Y) N
Caps for the valves in good condition?	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N	Y N	Y N	Y N	Y N	(Y) N	(Y) N

Inspection Comments(Please put on the back of paper)

Above Ground Storage Tank
Monthly Inspection 20___

Inspection Comments	
Date & Description	

Above Ground Storage Tank
Monthly Inspection 2024 - 2025

Facility: Fairhope Courthouse	10,000 Gallon Gasoline Tank	ADEM AST Permit # 20581-003-018158
Address: 1100 Fairhope Ave, Fairhope		ADEM AIR ID# 501-G133-X001 v1.0 24

Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
Date	1/15/25	2/7/25	3/3/25	4/3/24	5/2/24	6/6/24	7/9/24	8/6/24	9/2/24	10/9/24	11/22	
Inspector Intinals	DW	DW	DW	DW	DW	CW	DW	DW	DW	DW	DW	
Inspectors Name:												
Tank Shell												
Discoloration	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Puddles(Leaked or spilled)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Corrosion or deterioration	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Cracks in seams/surface	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Buldging	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Openings liquid tight	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N
Stressed vegetation	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	(Y) N	Y N
Tank Foundation												
Cracks in seams/surface	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Discoloration	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	(Y) N	Y N
Puddles(Leaked or spilled)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Settled or eroded	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Gaps or Damage	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Damage from veg. roots	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Piping												
Discoloration	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Corrosion, cracks, deterioration	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Buckling between supports	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Valves, seals, or gaskets leaking	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Supports damaged/deteriorated	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Drain Pipes Closed and Cleared	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y (N)	Y N
Buried piping exposed	Y (N)	Y (N)	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y (N)	Y N
General												
Tank gauge working properly	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N
Loading/Unloading Valves locked and capp	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N
Tank vents obstructed	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Warning Signs missing/deteriorated	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N
Emergency Phone Numbers Posted	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y N	Y (N)	Y (N)	Y (N)	(Y) N	Y N
Air Vapor												
Gasket on the cap present												
and in good condition?	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N
Spill bucket dry and free of dirt/debris?	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N
Caps for the valves in good condition?	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	Y N
Inspection Comments(Please put on the back of paper)												

Above Ground Storage Tank
Monthly Inspection 20___

Inspection Comments	
Date & Description	
11/22. TANK NEEDS CLEANING -DW	
1/15/25 - TANKS WERE CLEANED. -RD	
6/6/25 - Fuelmaster card door spring broke - CW	

Table 9-6 Baldwin County Phase II MS4
MCM 5 Pollution/Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5aiv	*9.2.2*	*Structural Controls Roads & Bridges*	*Throughout the permit cycle, the county's stormwater management system (Structural Controls) inventory will be updated and controls will maintained. Track data in the annual report.*	*Trash & Sediment*	*Hwy*

Date	Inventory and Maintenance
2025/2026	No inventory update/Maintenance completed as needed

Table 9-6 Baldwin County Phase II MS4

MCM 5 Pollution/Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5aiv	*9.2.2.4*	*Capital Stormwater Projects*	*Throughout the permit cycle, within the County's MS4 boundary, zoned districts, inspect County projects for environmental compliance, track and report in annual report*	*All*	*Hwy & P&Z*
2025/2026	**County Projects**		**Inspections**		
			None		

Table 9-6 Baldwin County Phase II MS4

MCM 5 Pollution/Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5aiv	*9.2.3.5*	*Structural Controls Roads & Bridges*	*Through out the permit cycle, within the County's MS4 boundary, inspect bridges twice during permit cycle*	*Trash & Sediment*	*Hwy*
2025/2026					
Feature Intersected	**Agency Bridge ID**	**Inspection Date -1**	**Inspection Date -2**		
Red Gully Creek	15224	12/29/2022	12/30/2024		
Corn Branch	15457	3/22/2023	3/26/2025		
Bailey Creek	18296	10/19/2021	10/8/2025		
Point Clear Circle	19841	10/10/2022	10/3/2024		
Caney Branch	21446	7/18/2022	7/23/2024		
Rock Creek	16187	3/23/2022	3/27/2026		
Point Clear CR	21721	11/8/2022	11/26/2024		
Point Clear Creek	17078	4/25/2023	3/30/2026		
Caney Branch (2)	19036	1/25/2023	1/14/2025		
Drainage	21209	12/9/2021	12/11/2025		
Fly Creek	16188	3/23/2022	3/30/2026		
Turkey Branch	20549	5/26/2023	5/27/2025		

Table 9-6 Baldwin County Phase II MS4

MCM 5 Pollution/Good Housekeeping Strategies and Goals

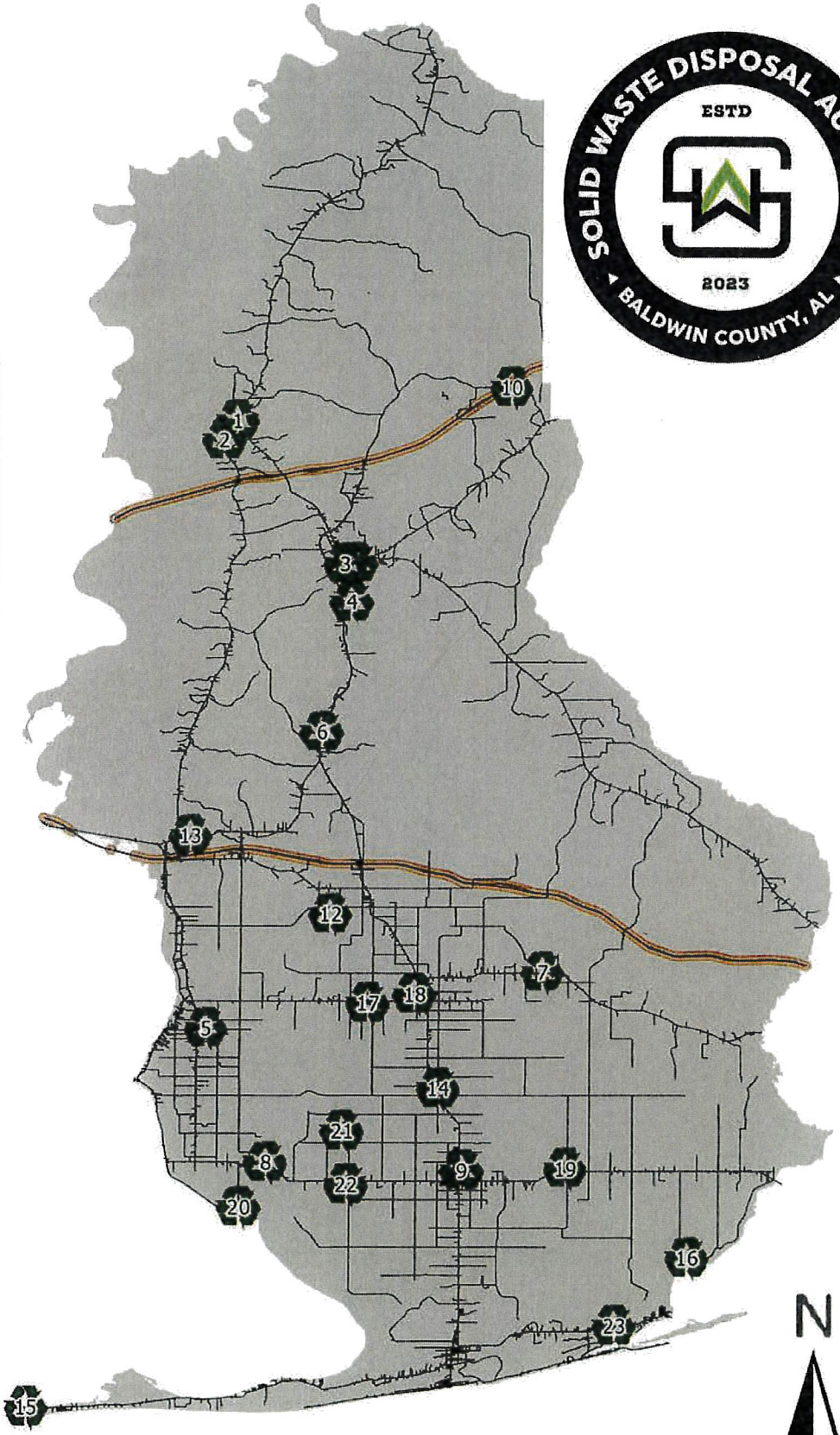
NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5	*9.2.3.7*	*Recycling Program*	*Through out the permit cycle, within the County's MS4 boundary track volume of recycled materials and report data in the annual report*	*Trash*	*Solid Waste*
2025/2026		**Recycle Bins Locations**	**Total Recycle Tons**		
		Fairhope Courthouse	41.09		
		MacBride Landfill	29.32		
		Spanish Fort Kids Park	82.97		

SWDA Baldwin County Recycling Drop-offs

Legend

- Recycling Drop-offs
- Roads
- Interstate

Site	Location
1	Stockton Post Office
2	Bicentennial Park
3	BM Commission Admin
3	Bay Minette Public Works
4	Bay Minette Transfer Station
5	Fairhope CHaRM
6	Stapleton VFD
7	Elsanor Community Center
8	Weeks Bay State Park
9	Foley Courthouse
10	Perdido VFD
11	MacBride Landfill
13	Spanish Fort Kids Park
14	Summerdale - 1st & Hamm
15	Fort Morgan Pier
16	Perdido Beach VFD
17	Silverhill Little Hall
18	Robertsdale Central Annex
19	Elberta VFD
20	Camp Beckwith
21	Magnolia CHaRM
22	Magnolia Springs VFD
23	Orange Beach - Walker Ln



May 01,2026 1:57 PM

Close Out

Totals by Bill Account

(((Trans.DateOut BETWEEN '2025-04-01' AND '2026-03-31')
AND (Trans.Void = 0)
AND (Trans.BillAcct LIKE '705965%')))

BillCompany : SPANISH FT KIDS RECY (1 item)

BillAcct : 705965 (202 items)

TranNum	NetTN	TransTotalFee
1877876	0.31	$0.00
1878220	0.42	$0.00
1878635	0.58	$0.00
1878684	0.75	$0.00
1879613	0.32	$0.00
1879806	0.15	$0.00
1880360	0.40	$0.00
1880449	0.45	$0.00
1881417	0.25	$0.00
1881580	0.45	$0.00
1881973	0.45	$0.00
1882057	0.43	$0.00
1882960	0.27	$0.00
1883252	0.41	$0.00
1883711	0.57	$0.00
1883779	0.37	$0.00
1884897	0.46	$0.00
1885252	0.63	$0.00
1885322	0.51	$0.00
1886368	0.50	$0.00
1886728	0.51	$0.00
1886785	0.57	$0.00
1887880	0.54	$0.00
1888292	0.50	$0.00
1888369	0.39	$0.00
1889342	0.34	$0.00
1889493	0.41	$0.00
1889932	0.73	$0.00
1889970	0.53	$0.00
1890668	0.57	$0.00
1891052	0.46	$0.00
1891400	0.76	$0.00
1891473	0.49	$0.00

TranNum	NetTN	TransTotalFee
1892538	0.44	$0.00
1892610	0.46	$0.00
1893313	0.38	$0.00
1893377	0.29	$0.00
1894213	0.54	$0.00
1894276	0.50	$0.00
1894765	0.43	$0.00
1894838	0.36	$0.00
1895696	0.20	$0.00
1895759	0.34	$0.00
1896288	0.42	$0.00
1896359	0.50	$0.00
1897453	0.32	$0.00
1897595	0.48	$0.00
1898034	0.51	$0.00
1898083	0.26	$0.00
1898792	0.28	$0.00
1898860	0.35	$0.00
1899271	0.55	$0.00
1899347	0.33	$0.00
1900332	0.29	$0.00
1900405	0.34	$0.00
1901049	0.41	$0.00
1901118	0.44	$0.00
1902000	0.28	$0.00
1902042	0.58	$0.00
1902623	0.53	$0.00
1902690	0.33	$0.00
1903587	0.27	$0.00
1903655	0.32	$0.00
1904228	0.46	$0.00
1904338	0.41	$0.00
1905170	0.40	$0.00
1905258	0.42	$0.00
1905958	0.55	$0.00
1906022	0.60	$0.00
1906782	0.33	$0.00
1906849	0.30	$0.00
1907525	0.60	$0.00

TranNum	NetTN	TransTotalFee
1907608	0.57	$0.00
1908274	0.34	$0.00
1908325	0.41	$0.00
1908907	0.45	$0.00
1908982	0.61	$0.00
1909827	0.30	$0.00
1909939	0.43	$0.00
1911402	0.78	$0.00
1911486	0.62	$0.00
1911724	0.21	$0.00
1911984	0.50	$0.00
1912020	0.33	$0.00
1912872	0.44	$0.00
1912937	0.30	$0.00
1913609	0.64	$0.00
1913687	0.45	$0.00
1914525	0.43	$0.00
1914599	0.35	$0.00
1915198	0.52	$0.00
1915273	0.29	$0.00
1916084	0.23	$0.00
1916343	0.17	$0.00
1916825	0.16	$0.00
1916910	0.50	$0.00
1917738	0.37	$0.00
1917795	0.16	$0.00
1918365	0.49	$0.00
1918462	0.32	$0.00
1919286	0.25	$0.00
1919384	0.30	$0.00
1919951	0.45	$0.00
1919986	0.40	$0.00
1920721	0.39	$0.00
1920787	0.29	$0.00
1921375	0.38	$0.00
1921454	0.43	$0.00
1922283	0.35	$0.00
1922349	0.22	$0.00
1922963	0.51	$0.00

TranNum	NetTN	TransTotalFee
1923044	0.53	$0.00
1923893	0.41	$0.00
1923944	0.23	$0.00
1924516	0.28	$0.00
1924565	0.28	$0.00
1925306	0.34	$0.00
1925372	0.21	$0.00
1925972	0.43	$0.00
1926078	0.51	$0.00
1926810	0.43	$0.00
1926893	0.29	$0.00
1927448	0.54	$0.00
1927508	0.63	$0.00
1928366	0.25	$0.00
1928437	0.34	$0.00
1928873	0.58	$0.00
1928928	0.53	$0.00
1929849	0.26	$0.00
1929924	0.46	$0.00
1930489	0.39	$0.00
1930560	0.38	$0.00
1931402	0.62	$0.00
1931444	0.36	$0.00
1931729	0.25	$0.00
1931788	0.28	$0.00
1932546	0.22	$0.00
1932612	0.37	$0.00
1932969	0.43	$0.00
1933033	0.36	$0.00
1933680	0.28	$0.00
1933757	0.44	$0.00
1934331	0.55	$0.00
1934420	0.43	$0.00
1935090	0.39	$0.00
1935634	0.51	$0.00
1935694	0.49	$0.00
1936405	0.61	$0.00
1936452	0.53	$0.00
1936764	0.37	$0.00

TranNum	NetTN	TransTotalFee
1936849	0.47	$0.00
1937662	0.63	$0.00
1937727	0.58	$0.00
1938064	0.56	$0.00
1938139	0.53	$0.00
1939033	0.36	$0.00
1939135	0.34	$0.00
1939747	0.65	$0.00
1939826	0.47	$0.00
1940612	0.44	$0.00
1940677	0.25	$0.00
1941201	0.37	$0.00
1941252	0.48	$0.00
1942047	0.42	$0.00
1942111	0.45	$0.00
1942644	0.58	$0.00
1942705	0.36	$0.00
1943395	0.29	$0.00
1943457	0.12	$0.00
1943961	0.48	$0.00
1944023	0.29	$0.00
1944750	0.24	$0.00
1944832	0.13	$0.00
1945440	0.43	$0.00
1945517	0.35	$0.00
1946370	0.07	$0.00
1946434	0.21	$0.00
1947050	0.59	$0.00
1947146	0.57	$0.00
1947999	0.43	$0.00
1948090	0.49	$0.00
1948703	0.60	$0.00
1948777	0.43	$0.00
1949582	0.11	$0.00
1949654	0.33	$0.00
1950350	0.53	$0.00
1950463	0.34	$0.00
1951346	0.24	$0.00
1951409	0.44	$0.00

TranNum	NetTN	TransTotalFee
1952103	0.50	$0.00
1952156	0.52	$0.00
1953115	0.15	$0.00
1953177	0.37	$0.00
1953720	0.29	$0.00
1953760	0.38	$0.00
1954671	0.33	$0.00
1955437	0.63	$0.00
1955521	0.51	$0.00
1956434	0.13	$0.00
1956496	0.24	$0.00
1957224	0.53	$0.00
1957338	0.33	$0.00
Summaries for 705965		
Count = 202	Sum = 82.97	Sum = $0.00
Summaries for SPANISH FT KIDS RECY		
Count = 202	Sum = 82.97	Sum = $0.00
Grand Summaries		
Count = 202	Sum = 82.97	Sum = $0.00

May 01,2026 1:57 PM

Close Out

Totals by Bill Account

(((Trans.DateOut BETWEEN '2025-04-01' AND '2026-03-31')
AND (Trans.Void = 0)
AND (Trans.BillAcct LIKE '705957%')))

BillCompany : MACBRIDE RECY (1 item)

BillAcct : 705957 (104 items)

TranNum	NetTN	TransTotalFee
1877794	0.40	$0.00
1879319	0.27	$0.00
1881113	0.29	$0.00
1881203	0.29	$0.00
1882782	0.22	$0.00
1884400	0.30	$0.00
1884434	0.32	$0.00
1884484	0.26	$0.00
1884490	0.26	$0.00
1884495	0.55	$0.00
1884497	0.45	$0.00
1885983	0.44	$0.00
1887417	0.31	$0.00
1889049	0.35	$0.00
1890547	0.31	$0.00
1890633	0.35	$0.00
1891571	0.41	$0.00
1891576	0.20	$0.00
1892354	0.20	$0.00
1892472	0.35	$0.00
1893974	0.24	$0.00
1894040	0.19	$0.00
1895478	0.37	$0.00
1895549	0.20	$0.00
1897094	0.42	$0.00
1897182	0.21	$0.00
1898681	0.41	$0.00
1898739	0.45	$0.00
1900190	0.33	$0.00
1900235	0.40	$0.00
1901881	0.39	$0.00
1901964	0.51	$0.00
1903456	0.36	$0.00

TranNum	NetTN	TransTotalFee
1903515	0.30	$0.00
1905042	0.19	$0.00
1905061	0.32	$0.00
1906636	0.35	$0.00
1906714	0.23	$0.00
1908137	0.26	$0.00
1908196	0.37	$0.00
1909662	0.24	$0.00
1909733	0.41	$0.00
1911237	0.38	$0.00
1911312	0.46	$0.00
1912705	0.19	$0.00
1912917	0.33	$0.00
1914367	0.23	$0.00
1916006	0.24	$0.00
1916269	0.20	$0.00
1917658	0.16	$0.00
1917698	0.20	$0.00
1919023	0.39	$0.00
1919145	0.30	$0.00
1919211	0.10	$0.00
1920566	0.17	$0.00
1922177	0.19	$0.00
1922220	0.19	$0.00
1923763	0.26	$0.00
1923820	0.34	$0.00
1925150	0.24	$0.00
1925233	0.22	$0.00
1926421	0.08	$0.00
1926462	0.22	$0.00
1928141	0.26	$0.00
1928229	0.24	$0.00
1929695	0.13	$0.00
1929757	0.17	$0.00
1931293	0.24	$0.00
1931366	0.40	$0.00
1932479	0.23	$0.00
1932509	0.18	$0.00
1933583	0.18	$0.00

TranNum	NetTN	TransTotalFee
1933628	0.21	$0.00
1934960	0.39	$0.00
1935006	0.18	$0.00
1936350	0.33	$0.00
1936366	0.33	$0.00
1937554	0.35	$0.00
1937589	0.35	$0.00
1938888	0.41	$0.00
1938958	0.34	$0.00
1940478	0.35	$0.00
1940524	0.20	$0.00
1940933	0.01	$0.00
1941817	0.23	$0.00
1941860	0.21	$0.00
1943150	0.22	$0.00
1943187	0.22	$0.00
1944657	0.20	$0.00
1944690	0.27	$0.00
1946259	0.29	$0.00
1946309	0.21	$0.00
1947708	0.15	$0.00
1947742	0.07	$0.00
1949445	0.20	$0.00
1949488	0.26	$0.00
1951223	0.42	$0.00
1951270	0.22	$0.00
1952975	0.24	$0.00
1953016	0.31	$0.00
1954491	0.34	$0.00
1954574	0.32	$0.00
1956261	0.41	$0.00
1956307	0.28	$0.00
Summaries for 705957		
Count = 104	Sum = 29.32	Sum = $0.00
Summaries for MACBRIDE RECY		
Count = 104	Sum = 29.32	Sum = $0.00
Grand Summaries		
Count = 104	Sum = 29.32	Sum = $0.00

May 01,2026 1:56 PM

Close Out

Totals by Bill Account

(((Trans.DateOut BETWEEN '2025-04-01' AND '2026-03-31')
AND (Trans.Void = 0)
AND (Trans.BillAcct LIKE '705952%')))

BillCompany : FAIRHOPE CH RECY (1 item)

BillAcct : 705952 (121 items)

TranNum	NetTN	TransTotalFee
1877510	0.30	$0.00
1877838	0.22	$0.00
1878340	0.43	$0.00
1878759	0.62	$0.00
1879041	0.21	$0.00
1879364	0.19	$0.00
1879873	0.40	$0.00
1880531	0.50	$0.00
1880841	0.40	$0.00
1881168	0.26	$0.00
1881627	0.23	$0.00
1882177	0.59	$0.00
1882496	0.24	$0.00
1882822	0.12	$0.00
1883289	0.48	$0.00
1883719	0.38	$0.00
1884370	0.27	$0.00
1884975	0.28	$0.00
1885458	0.54	$0.00
1885794	0.33	$0.00
1886015	0.23	$0.00
1886425	0.34	$0.00
1886840	0.60	$0.00
1887138	0.31	$0.00
1887457	0.35	$0.00
1887725	0.25	$0.00
1887923	0.30	$0.00
1888505	0.57	$0.00
1888790	0.30	$0.00
1889088	0.33	$0.00
1889549	0.45	$0.00
1889986	0.59	$0.00
1890296	0.21	$0.00

TranNum	NetTN	TransTotalFee
1890598	0.21	$0.00
1891101	0.38	$0.00
1891630	0.58	$0.00
1892042	0.25	$0.00
1892399	0.17	$0.00
1892880	0.64	$0.00
1893433	0.43	$0.00
1893738	0.21	$0.00
1894002	0.19	$0.00
1894434	0.36	$0.00
1894970	0.41	$0.00
1895252	0.24	$0.00
1895508	0.27	$0.00
1895912	0.28	$0.00
1896478	0.58	$0.00
1896783	0.24	$0.00
1897140	0.20	$0.00
1897762	0.40	$0.00
1898154	0.51	$0.00
1898437	0.22	$0.00
1898711	0.23	$0.00
1899080	0.29	$0.00
1899539	0.46	$0.00
1899859	0.21	$0.00
1900261	0.29	$0.00
1900746	0.38	$0.00
1901252	0.48	$0.00
1901599	0.32	$0.00
1901930	0.36	$0.00
1902360	0.36	$0.00
1902823	0.42	$0.00
1903174	0.26	$0.00
1903494	0.18	$0.00
1903923	0.20	$0.00
1904367	0.61	$0.00
1904688	0.26	$0.00
1905311	0.51	$0.00
1905456	0.07	$0.00
1906110	0.44	$0.00

TranNum	NetTN	TransTotalFee
1906354	0.25	$0.00
1906684	0.24	$0.00
1907236	0.41	$0.00
1907717	0.62	$0.00
1907955	0.14	$0.00
1908165	0.26	$0.00
1908586	0.46	$0.00
1909092	0.50	$0.00
1909413	0.21	$0.00
1909691	0.40	$0.00
1910196	0.35	$0.00
1910682	0.52	$0.00
1910973	0.20	$0.00
1911272	0.25	$0.00
1911761	0.29	$0.00
1912091	0.50	$0.00
1912418	0.28	$0.00
1912748	0.38	$0.00
1913840	0.67	$0.00
1914100	0.34	$0.00
1914404	0.18	$0.00
1914929	0.11	$0.00
1915397	0.28	$0.00
1915679	0.25	$0.00
1915962	0.26	$0.00
1916400	0.29	$0.00
1917027	0.44	$0.00
1917521	0.25	$0.00
1918011	0.32	$0.00
1918542	0.39	$0.00
1918890	0.28	$0.00
1919171	0.25	$0.00
1919591	0.19	$0.00
1920076	0.45	$0.00
1920601	0.41	$0.00
1921062	0.15	$0.00
1921569	0.55	$0.00
1921913	0.22	$0.00
1922399	0.19	$0.00

TranNum	NetTN	TransTotalFee
1922627	0.14	$0.00
1923173	0.45	$0.00
1923450	0.30	$0.00
1924273	0.38	$0.00
1924650	0.45	$0.00
1924931	0.13	$0.00
1925192	0.08	$0.00
1925561	0.40	$0.00
1926003	0.62	$0.00
1926342	0.49	$0.00
Summaries for 705952		
Count = 121	Sum = 41.09	Sum = $0.00
Summaries for FAIRHOPE CH RECY		
Count = 121	Sum = 41.09	Sum = $0.00
Grand Summaries		
Count = 121	Sum = 41.09	Sum = $0.00

Table 9-6 Baldwin County Phase II MS4

MCM 5 Pollution/Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5	*9.2.3.7*	*Recycling Program*	*Through out the permit cycle, within the County's MS4 boundary track volume of recycled materials and report data in the annual report*	*Trash*	*Solid Waste*
2025/2026		**ADEM Recycle Material**	**Total Recycle Tons**		
		Shred/Cut Tires	40.7		
		White Goods	25.44		
		Metal	77.21		
		Brush/Yard Waste	5595.45		
		BCSW Metal BCSW	23.49		
		Wood Chips	0		
		Compost	1380.64		
		Outbound Metal	23.49		
		Outbound Used Oil	15.36		
		Outbound Cardboard	2325.85		
		Mixed Paper	31.63		

Totals

ADEM Tonnage - SITE by Date
(((Trans.DateOut BETWEEN '2025-04-01' AND '2026-03-31')
AND (Trans.Void = 0)
AND (vwMT.RateGroup IN ('hhw', 'mrf', 'mrf charm', 'recycle'))))

MTEntryLabel : 2155 - H1 H/H HAZARDOUS WASTE (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
BM	0.00	2155 - H1 H/H HAZARDOUS WASTE	1.00	HHW

Summaries for 2155 - H1 H/H HAZARDOUS WASTE

	Sum = 0.00

MTEntryLabel : 2168 - R3 SHRED/CUT TIRES (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MB	31.71	2166 - R1	1.00	RECYCLE

Summaries for 2168 - R3 SHRED/CUT TIRES

	Sum = 31.71

MTEntryLabel : 2169 - R4 WHITE GOODS (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
BM	24.42	2166 - R1	6.00	RECYCLE

Summaries for 2169 - R4 WHITE GOODS

	Sum = 24.42

MTEntryLabel : 2170 - R5 METAL (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
EF	69.02	2155 - H1 H/H HAZARDOUS WASTE	1.00	RECYCLE

Summaries for 2170 - R5 METAL

	Sum = 69.02

MTEntryLabel : 2171 - R8 BRUSH/YARD WASTE (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	5,573.52	2155 - H1 H/H HAZARDOUS WASTE	1.00	RECYCLE

Summaries for 2171 - R8 BRUSH/YARD WASTE

	Sum = 5,573.52

MTEntryLabel : 2199 - R4 BCSW WHITE GOODS BCSW (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
EF	1.02			RECYCLE

Summaries for 2199 - R4 BCSW WHITE GOODS BCSW

	Sum = 1.02

MTEntryLabel : 2200 - R5 BCSW METAL BCSW (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MB	8.19			RECYCLE

Summaries for 2200 - R5 BCSW METAL BCSW

	Sum = 8.19

MTEntryLabel : 2201 - R8 BCSW BRUSH/YARD WASTE BCSW (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	21.93			RECYCLE
Summaries for 2201 - R8 BCSW BRUSH/YARD WASTE BCSW				
	Sum = 21.93			

MTEntryLabel : 2204 - MIXED PAPER (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	31.63			MRF
Summaries for 2204 - MIXED PAPER				
	Sum = 31.63			

MTEntryLabel : 2205 - PET PLASTIC (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	52.45			MRF
Summaries for 2205 - PET PLASTIC				
	Sum = 52.45			

MTEntryLabel : 2252 - SS SINGLE STREAM BCSW ONLY (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	563.56			MRF
Summaries for 2252 - SS SINGLE STREAM BCSW ONLY				
	Sum = 563.56			

MTEntryLabel : 2309 - R3 TRS SHRED/CUT TIRES - TRS (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
BM	8.99			RECYCLE
Summaries for 2309 - R3 TRS SHRED/CUT TIRES - TRS				
	Sum = 8.99			

MTEntryLabel : 2335 - H2 COMMERCIAL H/H HAZARD WASTE (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	0.00	2156 - H2 COMMERCIAL H/H HAZARD WASTE	25.00	HHW
Summaries for 2335 - H2 COMMERCIAL H/H HAZARD WASTE				
	Sum = 0.00			

MTEntryLabel : 2510 - SS MRF SINGLE STREAM RECY RESI (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	3,184.65			MRF
Summaries for 2510 - SS MRF SINGLE STREAM RECY RESI				
	Sum = 3,184.65			

MTEntryLabel : 2512 - CARDBOARD-CLEAN RECY MRF (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	644.21			MRF
Summaries for 2512 - CARDBOARD-CLEAN RECY MRF				
	Sum = 644.21			

MTEntryLabel : 2515 - SS COMMERCIAL SINGLE STREAM (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	97.66			MRF
Summaries for 2515 - SS COMMERCIAL SINGLE STREAM				
	Sum = 97.66			

MTEntryLabel : 2517 - MRF CONTAM SS COMMERCIAL (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	0.05			MRF
Summaries for 2517 - MRF CONTAM SS COMMERCIAL				
	Sum = 0.05			

MTEntryLabel : 2518 - MRF CONTAM SS RESI (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	5.90			MRF
Summaries for 2518 - MRF CONTAM SS RESI				
	Sum = 5.90			

MTEntryLabel : 2521 - MRF CONTAM CARDBOARD (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	3.52			MRF
Summaries for 2521 - MRF CONTAM CARDBOARD				
	Sum = 3.52			

MTEntryLabel : 2523 - GLASS CHARM (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	23.88			MRF CHARM
Summaries for 2523 - GLASS CHARM				
	Sum = 23.88			

MTEntryLabel : 2524 - N/BC SS COMM (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	482.41			MRF
Summaries for 2524 - N/BC SS COMM				
	Sum = 482.41			

MTEntryLabel : 2526 - N/BC CONTAM SS COMM (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	3.41			MRF
Summaries for 2526 - N/BC CONTAM SS COMM				
	Sum = 3.41			

MTEntryLabel : 2528 - INDUSTRIAL PLASTICS API (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	6.45			MRF
Summaries for 2528 - INDUSTRIAL PLASTICS API				
	Sum = 6.45			

MTEntryLabel : 2535 - HI CHARM NO/CHG HAZ ELEOT (1 item)

SiteCode	NetSTN	STEntryLabel	Vol	MTGroup
MG	29.63			MRF CHARM
Summaries for 2535 - H9 CHARM NO/CHG HAZ ELECT				
	Sum = 29.63			
Grand Summaries				
	Sum = 10,868.21			

Apr 23,2026 1:32 PM

Totals

ADEM Tonnage - SITE by Date
(((Trans.DateOut BETWEEN '2025-04-01' AND '2026-03-31')
AND (Trans.Void = 0)
AND (vwMT.RateGroup IN ('MRF OUTBOUND', 'OUTBOUND'))))

MTEntryLabel	NetSTN	SiteCode	STEntryLabel	Vol	MTGroup
2163 - O1 COMPOST	1,380.64	BM			OUTBOUND
2164 - O3 OUTBOUND METAL	23.49	BM			OUTBOUND
2165 - O4 BATTERIES OUTBOUND	9.56	MG			MRF OUTBOUND
2202 - OCC OUTBOUND CARDBOARD	2,325.85	MG			MRF OUTBOUND
2284 - O9 OUTBOUND USED OIL	15.36	MG			OUTBOUND
2313 - OPET OUTBOUND PLASTIC #1	260.92	MG			MRF OUTBOUND
2504 - OE-1 OUTBOUND E-BREAKAGE	5.99	MG			MRF OUTBOUND
2505 - OE-12 OUTBOUND ALUM	106.98	MG			MRF OUTBOUND
2516 - OMIX OUTBOUND MIXED PAPER	1,267.69	MG			MRF OUTBOUND
2529 - OPET OUTBOUND PLASTICS #2 CLEAR NATURAL	63.00	MG			MRF OUTBOUND
2530 - OPET OUTBOUND PLASTICS #2 COLOR	65.43	MG			MRF OUTBOUND
2531 - OPET O/B PLASTIC #5 POLY - PP	22.60	MG			MRF OUTBOUND
2532 - OPET O/B PLASTIC #7 MIXED	37.89	MG			MRF OUTBOUND
2534 - OUTBOUND / STEEL CANS	66.91	MG			MRF OUTBOUND
Grand Summaries					
	Sum = 5,652.31				

Table 9-6 Baldwin County Phase II MS4

MCM 5 Pollution/Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5ai	*9.2.3.7*	*Litter Patrol*	*Throughout the permit cycle, within the County's MS4 boundary, track volume of litter picked up from county right of ways*	*Litter & Floatable*	*Solid Waste*
2025/2026		Dates	Tons of Trash Picked Up By Creek Clean County Wide		
		04/01/2025 through 03/31/2026	38.76		

Litter

Apr 27,2026 3:30 PM

Totals

Totals by Bill Account

(((Trans.DateOut BETWEEN '2025-04-01' AND '2026-03-31')
AND (Trans.Void = 0)
AND (Trans.BillAcct LIKE '706180%')))

Creek Clean - Litter Pickup

MTEntryLabel : 2146 - C2 C&D (1 item)

BillAcct	SiteCode	MTGroup	NetTN	STS_EntryLabel	Vol
706180	MB	C&D	0.57		
Summaries for 2146 - C2 C&D					
			Sum = 0.57		

MTEntryLabel : 2148 - C4 LITTER/RUBBISH (1 item)

BillAcct	SiteCode	MTGroup	NetTN	STS_EntryLabel	Vol
706180	MB	C&D	0.55		
Summaries for 2148 - C4 LITTER/RUBBISH					
			Sum = 0.55		

MTEntryLabel : 2157 - L2 COMMERCIAL (68 items)

BillAcct	SiteCode	MTGroup	NetTN	STS_EntryLabel	Vol
706180	BM	LINED CELL	0.24		
706180	BM	LINED CELL	0.66	2166 - R1	1.00
706180	BM	LINED CELL	0.69		
706180	BM	LINED CELL	0.57	2166 - R1	1.00
706180	BM	LINED CELL	0.60		
706180	BM	LINED CELL	0.72		
706180	BM	LINED CELL	0.52		
706180	BM	LINED CELL	0.46	2166 - R1	1.00
706180	BM	LINED CELL	0.27		
706180	BM	LINED CELL	0.66		
706180	BM	LINED CELL	0.76		
706180	BM	LINED CELL	0.50		
706180	BM	LINED CELL	0.57		
706180	BM	LINED CELL	0.59	2166 - R1	2.00
706180	BM	LINED CELL	0.15		
706180	BM	LINED CELL	0.92		
706180	BM	LINED CELL	0.98	2166 - R1	1.00
706180	BM	LINED CELL	0.75	2166 - R1	9.00
706180	BM	LINED CELL	0.61		
706180	BM	LINED CELL	0.54	2166 - R1	3.00
706180	MG	LINED CELL	0.58		
706180	BM	LINED CELL	0.39		
706180	BM	LINED CELL	0.43		
706180	BM	LINED CELL	0.40		

BillAcct	SiteCode	MTGroup	NetTN	STS_EntryLabel	Vol
706180	BM	LINED CELL	0.40		
706180	BM	LINED CELL	0.52		
706180	BM	LINED CELL	0.87		
706180	BM	LINED CELL	0.47		
706180	BM	LINED CELL	0.68		
706180	BM	LINED CELL	0.46		
706180	BM	LINED CELL	0.47		
706180	BM	LINED CELL	0.50		
706180	BM	LINED CELL	0.41	2166 - R1	1.00
706180	MG	LINED CELL	0.14		
706180	BM	LINED CELL	0.49		
706180	BM	LINED CELL	0.44		
706180	BM	LINED CELL	0.42	2166 - R1	1.00
706180	BM	LINED CELL	0.52	2166 - R1	2.00
706180	BM	LINED CELL	0.42		
706180	BM	LINED CELL	0.84	2166 - R1	2.00
706180	BM	LINED CELL	0.08		
706180	BM	LINED CELL	0.67	2166 - R1	3.00
706180	BM	LINED CELL	0.57	2166 - R1	1.00
706180	BM	LINED CELL	0.62	2166 - R1	1.00
706180	BM	LINED CELL	0.54		
706180	BM	LINED CELL	0.71		
706180	BM	LINED CELL	0.58	2166 - R1	1.00
706180	BM	LINED CELL	0.71	2166 - R1	6.00
706180	BM	LINED CELL	0.40		
706180	BM	LINED CELL	0.30		
706180	BM	LINED CELL	0.59		
706180	BM	LINED CELL	0.52		
706180	MG	LINED CELL	0.56		
706180	BM	LINED CELL	0.65		
706180	BM	LINED CELL	0.64	2166 - R1	3.00
706180	BM	LINED CELL	0.94	2166 - R1	2.00
706180	BM	LINED CELL	0.33		
706180	BM	LINED CELL	0.81	2166 - R1	3.00
706180	BM	LINED CELL	0.70		
706180	BM	LINED CELL	0.57		
706180	BM	LINED CELL	0.35		
706180	BM	LINED CELL	0.48		
706180	BM	LINED CELL	0.45	2166 - R1	1.00

BillAcct	SiteCode	MTGroup	NetTN	STS_EntryLabel	Vol
706180	BM	LINED CELL	0.56		
706180	BM	LINED CELL	0.47		
706180	BM	LINED CELL	0.69	2166 - R1	4.00
706180	BM	LINED CELL	0.86	2166 - R1	4.00
706180	BM	LINED CELL	0.68	2166 - R1	1.00
Summaries for 2157 - L2 COMMERCIAL					
			Sum = 37.64		

Grand Summaries
Sum = 38.76

Table 9-6 Baldwin County Phase II MS4

MCM 5 Pollution/Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5av	*9.2.5*	*Training*	*Throughout the permit cycle, employees with MS4 duties will be provided stormwater training in regards to the County's Stormwater Management Program.*	*All*	*P&Z*
2025/2026	**Type**	**EMA Staff Member:**	**Description**	**Date**	
	EMA	Natascha C. Dilley	Lithium-Ion Battery Response for Emergency Responders	12/12/2025	
	EMA	Natascha C. Dilley	EV/AFV Incident Management: Safety& Response	11/18/2025	
	EMA	Natascha C. Dilley	APACT Pipeline Awareness Program	8/14/2025	
	EMA	Kivika Duff	APACT Pipeline Awareness Program	8/14/2025	
	EMA	Kivika Duff	Hazardous Materials/WMD-Awareness	11/16/2025	
	EMA	Kivika Duff	Hazardous Materials/WMD-Operations	11/16/2025	
	EMA	Tom Tyler	Science of Chemical Release	3/3-5/2026	
	Type	**Solid Waste Staff Member:**	**Description**	**Date**	
	SWANA	Terri Graham	SWANA Fall Forum	11/5-7/2025	
	ADEM	Amanda Whittington	Alabama Landfill Operator Certification	3/31/2026	
	LABELLA	Amy Galemore	Alabama Landfill Operator CPE/T Course	2/10/2026	
	ADEM	Anna Spencer	Solid Waste Landfill Operator	8/15/2025	
	ADEM	Charles Stanford	Alabama Landfill Operator Certification	11/5/2025	
	LABELLA	Charles Stanford	Alabama Landfill Operator CPE/CPET Course	7/24/2025	
	SWANA	Charles Stanford	SWANA Fall Forum	11/5-7/2025	
	ADEM	Crystal Hinote	Alabama Landfill Operator Certification	4/1/2025	
	ADEM	David Deyton	Alabama Landfill Operator Certification	11/5/2025	
	SWANA	David Deyton	SWANA Fall Forum	11/5-7/2025	
	LABELLA	David Deyton	Alabama Landfill Operator CPE/T Course	7/24/2025	
	LABELLA	Donald Wilson	Alabama Landfill Operator CDU/CPE/T Course	2/10/2026	
	ADEM	Donald Wilson	Alabama Landfill Operator Certification	3/31/2026	
	SWANA	Ed Fox	SWANA Fall Forum	11/5-7/2025	
	ADEM	Ed Fox	Alabama Landfill Operator Certification	11/5/2025	
	LABELLA	Ed Fox	Alabama Certified Transfer Station Operator	7/26/2028	
	LABELLA	Eugene Philyaw	Alabama Landfill Operator CPE/T Course	7/24/2025	

Table 9-6 Baldwin County Phase II MS4

MCM 5 Pollution/Good Housekeeping Strategies and Goals

	Type	Solid Waste Staff Member:	Description	Date
	ADEM	Jimmy Brannum	Alabama Landfill Operator Certification	4/1/2025
	LABELLA	Jimmy Brannum	Alabama Landfill Operator CDU/CPE/T Course	2/10/2026
	LABELLA	Jimmy Shiver	Alabama Certified Transfer Station Operator	9/30/2028
	LABELLA	Jimmy Shiver	Alabama Landfill Operator CPE/T Course	7/24/2025
	ADEM	Jimmy Shiver	Alabama Landfill Operator Certification	4/1/2025
	LABELLA	Joe Kobus	Alabama Certified Transfer Station Operator	9/30/2028
	SWANA	Joe Kobus	SWANA Fall Forum	11/5-7/2025
	LABELLA	Joe Kobus	Alabama Landfill Operator CPE/T Course	7/24/2025
	ADEM	Joe Kobus	Alabama Landfill Operator Certification	11/5/2025
	LABELLA	John Legan	Alabama Landfill Operator CDU/CPE/T Course	2/10/2026
	SWANA	John Legan	SWANA Fall Forum	11/5-7/2025
	ADEM	John Legan	Alabama Landfill Operator Certification	11/5/2025
	ADEM	Jonathan Bryars	Alabama Landfill Operator Certification	3/31/2026
	LABELLA	Jonathan Bryars	Alabama Landfill Operator CPE/T Course	2/10/2026
	LABELLA	Jonathan Bryars	Alabama Landfill Operator CPE/T Course	7/24/2025
	LABELLA	Jordan Schultz	Alabama Landfill Operator CDU/CPE/T Course	2/10/2026
	ADEM	Jordan Schultz	ADEM C/D & Industrial Landfill Operator	5/15/2025
	ADEM	Jordan Schultz	Alabama Landfill Operator Certification	4/1/2025
	ADEM	Karen Smith	Alabama Landfill Operator Certification	3/31/2026
	LABELLA	Karen Smith	Alabama Landfill Operator CPE/CPET Course	7/24/2025
	ADEM	Matt Harper	Alabama Landfill Operator Certification	3/31/2026
	LABELLA	Matt Harper	Alabama Landfill Operator CPE/CPET Course	7/24/2025
	ADEM	Molly Moss	Alabama Landfill Operator Certification	3/31/2026
	LABELLA	Molly Moss	Alabama Landfill Operator CPE/T Course	2/10/2026
	LABELLA	Molly Williams	Alabama Landfill Operator CPE/T Course	7/24/2025
	ADEM	Patti Ewing	Alabama Landfill Operator Certification	3/31/2026
	LABELLA	Patti Ewing	Alabama Landfill Operator CDU/CPE/T Course	7/24/2025
	ADEM	Phillip Stanford	Alabama Landfill Operator Certification	3/31/2026
	LABELLA	Phillip Stanford	Alabama Landfill Operator CPE/T Course	2/10/2026
	LABELLA	Phillip Stanford	Alabama Landfill Operator CPE/T Course	7/24/2025
	ADEM	Rachel Philyaw	Alabama Landfill Operator Certification	3/31/2026
	LABELLA	Rachel Philyaw	Alabama Landfill Operator CPE/T Course	2/10/2026
	LABELLA	Rachel Philyaw	Alabama Landfill Operator CPE/T Course	7/24/2025

Table 9-6 Baldwin County Phase II MS4

MCM 5 Pollution/Good Housekeeping Strategies and Goals

	Type	Solid Waste Staff Member:	Description	Date
	LABELLA	Randall Aaron	Alabama Certified Transfer Station Operator	7/26/2028
	ADEM	Randall Aaron	Alabama Landfill Operator Certification	4/1/2025
	LABELLA	Randall Aaron	Alabama Landfill Operator CPE/T Course	2/10/2026
	LABELLA	Robert Davis	Alabama Landfill Operator CPE/T Course	7/24/2025
	ADEM	Roy Kelley	Alabama Landfill Operator Certification	3/31/2026
	LABELLA	Roy Kelley	Alabama Landfill Operator CPE/T Course	2/10/2026
	LABELLA	Tom Hodges	Alabama Certified Transfer Station Operator	7/26/2028
	LABELLA	Tom Norris	Alabama Landfill Operator CDU/CPE/T Course	2/10/2026
	ADEM	Tom Norris	Alabama Landfill Operator Certification	3/31/2026
	ADEM	Tom Thomas	Alabama Landfill Operator Certification	3/31/2026

Certificate of Completion

Natascha Torrez

Lithium-Ion Battery Response for Emergency Responders

December 12, 2025

Credit Hours: 2.45

TRANSCAER®

NVFC
NATIONAL VOLUNTEER FIRE COUNCIL
FIRE • EMS • RESCUE

Certificate of Attendance

This is to certify that

Natascha Dilley

Completed 4 hours of training

EV/AFV Incident Management: Safety and Response Techniques

Summerdale, AL | November 18, 2025

David Bryson

David Bryson, Director of Education

Tamper Proof

Certificate of Completion

Up To 2 In-Service Credit Hours!

Awarded to: NATASCHA DILLEY

for attendance of the following pipeline safety training program:

APACT Pipeline Awareness Program

Attended: August 14, 2025 MOBILE, AL

This certificate may qualify for additional Continuing Education Units in your state.

APACT
ALABAMA PIPELINE AWARENESS COOPERATIVE TRAINING

ALABAMA 811

McKay Lyvers

McKay Lyvers
APACT Program Manager
AL811 Damage Prevention Manager

Certificate of Completion

Up To 2 In-Service Credit Hours!

Awarded to: KAVIKA DUFF

for attendance of the following pipeline safety training program:

APACT Pipeline Awareness Program

Attended: August 14, 2025 MOBILE, AL

This certificate may qualify for additional Continuing Education Units in your state.

APACT
ALABAMA PIPELINE AWARENESS COOPERATIVE TRAINING

ALABAMA 811

McKay Lyvers

McKay Lyvers
APACT Program Manager
AL811 Damage Prevention Manager

ALABAMA FIRE COLLEGE
AND THE PERSONNEL STANDARDS AND EDUCATION COMMISSION

awards certification to

Kavika Duff

upon successful completion of the requirements for

HAZARDOUS MATERIALS/WMD - AWARENESS

NFPA Standard: 470 - Edition: 2022

on the 16th day of November, 2025

59AL-52525

COMMISSION CHAIRMAN

EXECUTIVE DIRECTOR

PRO BOARD ACCREDITED 296887

ALABAMA FIRE COLLEGE
AND THE PERSONNEL STANDARDS AND EDUCATION COMMISSION

awards certification to

Kavika Duff

upon successful completion of the requirements for

HAZARDOUS MATERIALS/WMD - OPERATIONS

Meets and/or exceeds NFPA 470, Chapters 7, 9.2 & 9.6 of the 2022 Edition

on the 16th day of November, 2025

59AL-52526

COMMISSION CHAIRMAN

EXECUTIVE DIRECTOR

PRO BOARD ACCREDITED 296899

Certificate of Completion

Tom Tyler

has successfully completed 24 hours of training in

Science of Chemical Releases

Given in

Mobile, Alabama

March 3-5, 2026

National Oceanic and Atmospheric Administration Office of Response and Restoration
Emergency Response Division

Adam Davis

Adam Davis,

Scientific Support Coordinator, Emergency Response Division

2025 SWANA Fall Forum

November 5-7, 2025

Presented by

Alabama Chapter of the Solid Waste Association of North America

Awarded to

Terri Graham

CE Credits Awarded 10

Larry A. Vinson, CAE

Larry A. Vinson, CAE

Jason Wilson, ADEM

Jason Wilson, ADEM

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

March 31, 2026

Amanda Whittington

ATTENDEE

ADEM

Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

CERTIFICATE OF COMPLETION

This Certifies That

Amy Galemore

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

February 10, 2026
Course Completion Date

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State of Alabama

Alabama Department of Environmental Management

This is to certify that

Anna N Spencer

having given satisfactory evidence of the necessary qualifications required by the laws of the State of Alabama is hereby granted this

Municipal Solid Waste Landfill Operator

certificate of competency to be effective this 15th day of August, 2025

Operator Number: LFOP00951

Pursuant to Section 22-27-12 of the Code of Alabama, this certificate is the property of the Alabama Department of Environmental Management

Permits and Services Division

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Fall Forum

November 5, 2025

Charlie Stanford

ATTENDEE

ADEM
Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

ALABAMA GREAT SEAL

Certificate of Completion

This Certifies That

Charles Stanford

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

July 24, 2025
Course Completion Date

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November 5-7, 2025

Presented by

Alabama Chapter of the Solid Waste Association of North America

Awarded to

Charlie Stanford

CE Credits Awarded 10

Larry A. Vinson, CAE

Larry A. Vinson, CAE

Jason Wilson, ADEM

Jason Wilson, ADEM

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

April 1, 2025

Crystal Hinote

ATTENDEE

ADEM
Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Fall Forum

November 5, 2025

David Deyton

ATTENDEE

ADEM

Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

ALABAMA GREAT SEAL

2025 SWANA Fall Forum

November 5-7, 2025

Presented by

Alabama Chapter of the Solid Waste Association of North America

Awarded to

David Deyton

CE Credits Awarded 10

Larry A. Vinson, CAE

Larry A. Vinson, CAE

Jason Wilson, ADEM

Jason Wilson, ADEM

CERTIFICATE OF COMPLETION

This Certifies That

David Deyton

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

July 24, 2025
Course Completion Date

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CERTIFICATE OF COMPLETION

This Certifies That

Donald Wilson

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

February 10, 2026
Course Completion Date

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Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

March 31, 2026

Donald Wilson

ATTENDEE

ADEM
Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

ALABAMA GREAT SEAL

2025 SWANA Fall Forum

November 5-7, 2025

Presented by

Alabama Chapter of the Solid Waste Association of North America

Awarded to

Ed Fox

CE Credits Awarded 10

Larry A. Vinson, CAE

Larry A. Vinson, CAE

Jason Wilson, ADEM

Jason Wilson, ADEM

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Fall Forum

November 5, 2025

Ed Fox

ATTENDEE

ADEM
Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

ALABAMA GREAT SEAL

This is to certify that

Ed Fox

has successfully fulfilled the requirements of LaBella Training in the state of Alabama, as approved by the Alabama Department of Public Health (ADPH). The following designation is granted:

ALABAMA CERTIFIED TRANSFER STATION OPERATOR

Jeffrey Fantell
Training Program Manager

July 26, 2028
Certification Expiration Date

ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella – Joyce Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

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Certificate of Completion

This Certifies That

Eugene Philyaw

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

July 24, 2025
Course Completion Date

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Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

April 1, 2025

Jimmy Brannum

ATTENDEE

ADEM

Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

CERTIFICATE OF COMPLETION

This Certifies That

Jimmy Brannum

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

February 10, 2026
Course Completion Date

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ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

This is to certify that

Jimmy Shiver

has successfully fulfilled the requirements of LaBella Training in the state of Alabama, as approved by the Alabama Department of Public Health (ADPH). The following designation is granted:

ALABAMA CERTIFIED TRANSFER STATION OPERATOR

Jeffrey Fantell
Training Program Manager

September 30, 2028
Certification Expiration Date

ACCREDITED IACET PROVIDER

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LaBella
Powered by partnership

1604 Ownby Lane, Richmond, VA 23220
Training.LaBellaPC.com

Certificate of Completion

This Certifies That

Jimmy Shiver

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

July 24, 2025
Course Completion Date

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Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

April 1, 2025

Jimmy Shiver

ATTENDEE

ADEM

Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

This is to certify that

Joe Kobus

has successfully fulfilled the requirements of LaBella Training in the state of Alabama, as approved by the Alabama Department of Public Health (ADPH). The following designation is granted:

ALABAMA CERTIFIED TRANSFER STATION OPERATOR

Jeffrey Fantell
Training Program Manager

September 30, 2028
Certification Expiration Date

ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella – Joyce Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

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2025 SWANA Fall Forum

November 5-7, 2025

Presented by

Alabama Chapter of the Solid Waste Association of North America

Awarded to

Joe Kobus

CE Credits Awarded 10

Larry A. Vinson, CAE

Larry A. Vinson, CAE

Jason Wilson, ADEM

Jason Wilson, ADEM

Certificate of Completion

This Certifies That

Joe Kobus

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

July 24, 2025
Course Completion Date

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Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Fall Forum

November 5, 2025

Joe Kobus

ATTENDEE

ADEM
Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

ALABAMA GREAT SEAL

CERTIFICATE OF COMPLETION

This Certifies That

John Legan

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

February 10, 2026
Course Completion Date

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2025 SWANA Fall Forum

November 5-7, 2025

Presented by

Alabama Chapter of the Solid Waste Association of North America

Awarded to

John Legan

CE Credits Awarded 10

Larry A. Vinson, CAE

Larry A. Vinson, CAE

Jason Wilson, ADEM

Jason Wilson, ADEM

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Fall Forum

November 5, 2025

John Legan

ATTENDEE

ADEM
Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

ALABAMA
GREAT SEAL

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

March 31, 2026

Jonathan Bryars

ATTENDEE

ADEM

Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

ALABAMA GREAT SEAL

Certificate of Completion

This Certifies That

Jonathan Bryars

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

February 10, 2026
Course Completion Date

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ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

CERTIFICATE OF COMPLETION

This Certifies That

Jonathan Bryars

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

July 24, 2025
Course Completion Date

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ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

April 1, 2025

Jordan Schultz

ATTENDEE

ADEM

Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

State of Alabama

Alabama Department of Environmental Management

This is to certify that

Jordan M Schultz

having given satisfactory evidence of the necessary qualifications required by the laws of the State of Alabama is hereby granted this

C/D and Industrial Landfill Operator

certificate of competency to be effective this 15th day of May, 2025

Operator Number: LFOP01130

Pursuant to Section 22-27-12 of the Code of Alabama, this certificate is the property of the Alabama Department of Environmental Management

Permits and Services Division

Certificate of Completion

This Certifies That

Jordan Schultz

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

February 10, 2026
Course Completion Date

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ACCREDITED IACET PROVIDER

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Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

March 31, 2026

Karen Smith

ATTENDEE

ADEM

Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

ALABAMA GREAT SEAL

Certificate of Completion

This Certifies That

Karen Smith

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

July 24, 2025
Course Completion Date

LaBella
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ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

March 31, 2026

Matthew Harper

ATTENDEE

ADEM

Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

Certificate of Completion

This Certifies That

Matt Harper

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

July 24, 2025
Course Completion Date

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ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

March 31, 2026

Molly Moss

ATTENDEE

ADEM

Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

CERTIFICATE OF COMPLETION

This Certifies That

Molly Moss

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

February 10, 2026
Course Completion Date

LaBella
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ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

Certificate of Completion

This Certifies That

Molly Williams

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

July 24, 2025
Course Completion Date

LaBella
Powered by partnership.

1604 Ownby Lane, Richmond, VA 23220
Www.LaBellaPC.com/Training
Training.LaBellaPC.com/My
800.229.1182

ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

March 31, 2026

Patti Ewing

ATTENDEE

ADEM
Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

CERTIFICATE OF COMPLETION

This Certifies That

Patti Ewing

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

July 24, 2025
Course Completion Date

LaBella
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1604 Ownby Lane, Richmond, VA 23220
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800.229.1182

ACCREDITED IACET PROVIDER

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Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

March 31, 2026

Philip Stanford

ATTENDEE

ADEM
Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

ALABAMA GREAT SEAL

Certificate of Completion

This Certifies That

Philip Stanford

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

February 10, 2026
Course Completion Date

LaBella
Powered by partnership.

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800.229.1182

ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

Certificate of Completion

This Certifies That

Philip Stanford

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

July 24, 2025
Course Completion Date

LaBella
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800.229.1182

ACCREDITED IACET PROVIDER

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Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

March 31, 2026

Rachel Philyaw

ATTENDEE

ADEM

Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

Certificate of Completion

This Certifies That

Rachel Philyaw

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

February 10, 2026
Course Completion Date

LaBella
Powered by partnership

1604 Ownby Lane, Richmond, VA 23220
Www.LaBellaPC.com/Training
Training.LaBellaPC.com/My
800.229.1182

ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

CERTIFICATE OF COMPLETION

This Certifies That

Rachel Philyaw

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

July 24, 2025
Course Completion Date

LaBella
Powered by partnership.

1604 Ownby Lane, Richmond, VA 23220
Www.LaBellaPC.com/Training
Training.LaBellaPC.com/My
800.229.1182

ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

This is to certify that

Randall Aaron

has successfully fulfilled the requirements of LaBella Training in the state of Alabama, as approved by the Alabama Department of Public Health (ADPH). The following designation is granted:

ALABAMA CERTIFIED TRANSFER STATION OPERATOR

Jeffrey Fantell
Training Program Manager

July 26, 2028
Certification Expiration Date

ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella—Joyce Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

LaBella
Powered by partnership

1604 Ownby Lane, Richmond, VA 23220
Training.LaBellaPC.com

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

April 1, 2025

Randall Aaron

ATTENDEE

ADEM
Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

Certificate of Completion

This Certifies That

Randall Aaron

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

February 10, 2026
Course Completion Date

LaBella
Powered by partnership

1604 Ownby Lane, Richmond, VA 23220
Www.LaBellaPC.com/Training
Training.LaBellaPC.com/My
800.229.1182

ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

Certificate of Completion

This Certifies That

Robert Davis

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

July 24, 2025
Course Completion Date

LaBella
Powered by partnership.

1604 Ownby Lane, Richmond, VA 23220
Www.LaBellaPC.com/Training
Training.LaBellaPC.com/My
800.229.1182

ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

March 31, 2026

Roy Kelley

ATTENDEE

ADEM

Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

Certificate of Completion

This Certifies That

Roy Kelley

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

February 10, 2026
Course Completion Date

LaBella
Powered by partnership.

1604 Ownby Lane, Richmond, VA 23220
Www.LaBellaPC.com/Training
Training.LaBellaPC.com/My
800.229.1182

ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

This is to certify that

Tom Hodges

has successfully fulfilled the requirements of LaBella Training in the state of Alabama, as approved by the Alabama Department of Public Health (ADPH). The following designation is granted:

ALABAMA CERTIFIED TRANSFER STATION OPERATOR

Jeffrey Fantell
Training Program Manager

July 26, 2028
Certification Expiration Date

ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella – Joyce Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

LaBella
Powered by partnership

1604 Ownby Lane, Richmond, VA 23220
Training.LaBellaPC.com

Certificate of Completion

This Certifies That

Tom Norris

Has successfully completed the Solid Waste Management Facility Operator Training Course:

Alabama Landfill Operator Continuing Professional Education / Training (CPE/T) Course

and Earned 9.0 Hours (PDHs)

or 0.9 Continuing Education Units (CEUs)

Jeffrey M. Fantell
Training Program Manager

February 10, 2026
Course Completion Date

LaBella
Powered by partnership.

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Training.LaBellaPC.com/My
800.229.1182

ACCREDITED IACET PROVIDER

As an IACET Accredited Provider, LaBella Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

March 31, 2026

Tom Norris

ATTENDEE

ADEM
Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR CERTIFICATION TRAINING COURSE

Spring Forum

March 31, 2026

Tom Thomas

ATTENDEE

ADEM
Alabama Department of Environmental Management

ADEM SOLID WASTE BRANCH CHIEF

ALABAMA GREAT SEAL

Table 9-6 Baldwi unty Phase II MS4
MCM 5 Pollution/Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5av	*9.2.5*	*Training*	*Throughout the permit cycle, employees with MS4 duties will be provided stormwater training in regards to the County's Stormwater Management Program.*	*All*	*P&Z*

2025/2026

Planning & Zoning	***Name***	***Training Description***	***Certification***	***Date***
Planning Technician	Rebecca Peacock	QCI	T7631	5/31/2028
Planning Technician	Michael Smith	QCI	T9042	5/31/2028
Project Manager	Michael Sharp	QCI	T8813	5/31/2028
Code Enforcement	Vince Ramer	QCI	T0771	5/31/2028
Planning Technician	Justin Cregger	QCI	T8291	5/31/2028
Planning Technician	Nathan White	QCI	TBD	5/31/2028
Engineering Technician	Kaylan Driskell	QCI	T8811	5/31/2028
Engineering Technician	Barry Guy	QCI	T8817	5/31/2028
Natural Resource Planner	James Howard	Intermediate Arc GIS Training	Yes	3/11/2026
Natural Resource Planner	James Howard	ADEM NPS Annual Conference	Yes	1/15/2026
Natural Resource Planner	James Howard	USACE Wetland Training	No	1/16/2026
Natural Resource Planner	Ashley Campbell	Fairhope Blue Book E&S Training	Yes	11/4/2025
Natural Resource Planner	Ashley Campbell	ADEM NPS Annual Conference	Yes	1/15/2026
Natural Resource Planner	Ashley Campbell	Management Fundamentals	Yes	2025
Natural Resource Planner	Ashley Campbell	CAPZO	Yes	10/1-3/2025
Natural Resource Planner	Ashley Campbell	USACE Wetland Training	No	1/16/2026
Natural Resource Planner	Ashley Campbell	ASWCS Annual Meeting Stewardship of the Environment	Yes	6/11-13/2025
Engineering Technician	Barry Guy	Fairhope Blue Book E&S Training	Yes	11/4/2025
Engineering Technician	Barry Guy	ADCNR Wetlands Training	Yes	3/13/2026
Engineering Technician	Barry Guy	Internal CBMPP Training-Natural Resource Planning	No	7/25/2025
Engineer	Josh Newman	Internal CBMPP Training-Natural Resource Planning	No	7/25/2025
Engineer	Tyler Austin	Internal CBMPP Training-Natural Resource Planning	No	7/25/2025
Engineering Project Manager	Michael Sharp	Internal CBMPP Training-Natural Resource Planning	No	7/25/2025

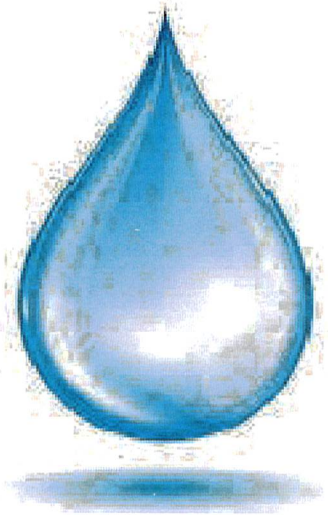
Table 9-6 Baldwi[illegible]unty Phase II MS4

MCM 5 Pollution/Good Housekeeping Strategies and Goals

Planning & Zoning	***Name***	***Training Description***	***Certification***	***Date***
Engineering Technician	Kaylan Driskell	Internal CBMPP Training-Natural Resource Planning	No	7/25/2025
Subdivision Coordinator	Fabia Waters	Fairhope Blue Book E&S Training	Yes	11/4/2025
Subdivision Coordinator	Fabia Waters	ADCNR Wetlands Training	Yes	3/13/2026
Planning & Zoning	Planning Department	Natural Resource Planning Wetland Training	No	9/19/2025
Planning & Zoning	Planning Department	Stormwater Training AGWA & LID	no	1/29/2026
Planning & Zoning	Brenda Brock	CAPZO	Yes	9/12/2025
Planning & Zoning	Elizabeth Wilson	CAPZO	Yes	10/6/2025
Planning & Zoning	Fabia Waters	CAPZO	Yes	6/30/2025
Highway	Area 100 Employees	MS4-CBMPP	No	3/24/2026
Highway	Area 200 Employees	MS4-CBMPP	N0	3/4/2026
Highway	Area 300 Employees	MS4-CBMPP	No	3/3/2026

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Rebecca Peacock

Baldwin Co

Has successfully completed the certification requirements as a

QCI # T7631

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA DEPARTMENT OF TRANSPORTATION

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Michael Smith

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T9042

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Michael Sharp

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T8813

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Vincent Ramer

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T0771

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Justin Cregger

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T8291

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA DEPARTMENT OF TRANSPORTATION

ADEM
Alabama Department of Environmental Management

QCI Training Program

thompson
ENGINEERING

Certificate of Completion

is hereby granted to:

Nathan White

Baldwin County Planning & Zoning

for satisfactory completion of

Initial QCI Training

QCI No. —

Expires 04-07-2028

This certificate confers eight (8.0) professional development hours (PDHs) to students who require credits for licenses or certifications. Such PDHs are subject to the qualifying requirements of the licensing or certifying organization.

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Kaylan Driskell

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T8811

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Barry Guy

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T8817

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA DEPARTMENT OF TRANSPORTATION

THE GEO PROJECT

GEOSPATIAL EDUCATION & OUTREACH

The Geospatial Education and Outreach Project of
the Geosystems Research Institute and the Northern Gulf Institute

hereby recognizes that

James Howard

has completed the workshop requirements for

Intermediate ArcGIS Pro

Claire Babineaux

Instructor

MISSISSIPPI STATE UNIVERSITY

GEOSYSTEMS RESEARCH INSTITUTE

March 12, 2026

Date

Alabama Department of Environmental Management

CERTIFICATE OF ATTENDANCE

for

2026 Alabama Nonpoint Source Management Program Conference

January 15, 2026

James Howard

ATTENDEE

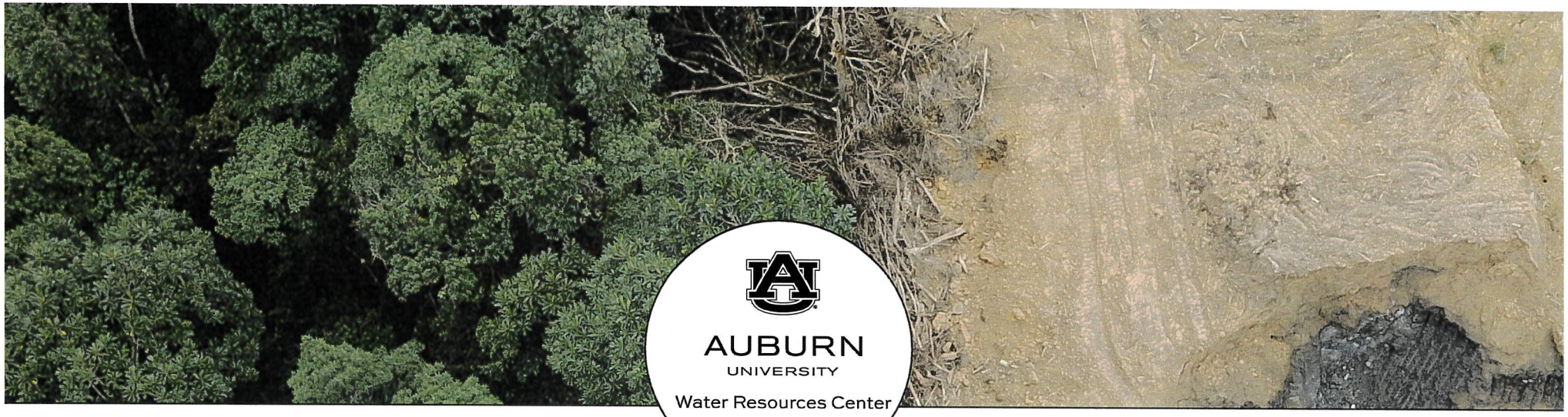
ADEM
Alabama Department of Environmental Management

ADEM PERMITS & SERVICES DIVISION CHIEF

ALABAMA GREAT SEAL

Ashley Campbell

Subject:	USACE Wetland Training
Location:	Mobile- The Admiral Hotel, 251 Government Street, Mobile, AL 36602.
Start:	Fri 1/16/2026 12:00 AM
End:	Sat 1/17/2026 12:00 AM
Show Time As:	Free
Recurrence:	(none)
Meeting Status:	Meeting organizer
Organizer:	Ashley Campbell
Required Attendees:	James Howard



AUBURN
UNIVERSITY
Water Resources Center

Erosion and Sediment Control
Best Management Practices Workshop

Fairhope Civic Center, Fairhope AL | November 4, 2025

Ashley Campbell

Approved for 0.85 (8.5 hours) of Continuing Education Units from Auburn University
Filed with Auburn University Office of Continuing Education

Laura Cooley, Project Manager
Auburn University Water Resources Center

EROSION + SEDIMENT CONTROL
BMP WORKSHOP

Hosted by The City of Fairhope
Fairhope Civic Center | Tues, November 4, 2025 | 8am-4:30pm



Objectives

For local engineers, consultants, developers, contractors and municipal stormwater/enforcement officials to:

- Become familiar with the Alabama Handbook for Erosion, Sediment Control and Stormwater Management's (Blue Book) history and application.
- Increase understanding of the impact of erosion and sediment on natural resources.
- Gather design knowledge regarding Alabama Blue Book Best Management Practices.
- Gather inspection and maintenance knowledge required by Alabama Blue Book.
- Learn about research on effectiveness of different BMPs.

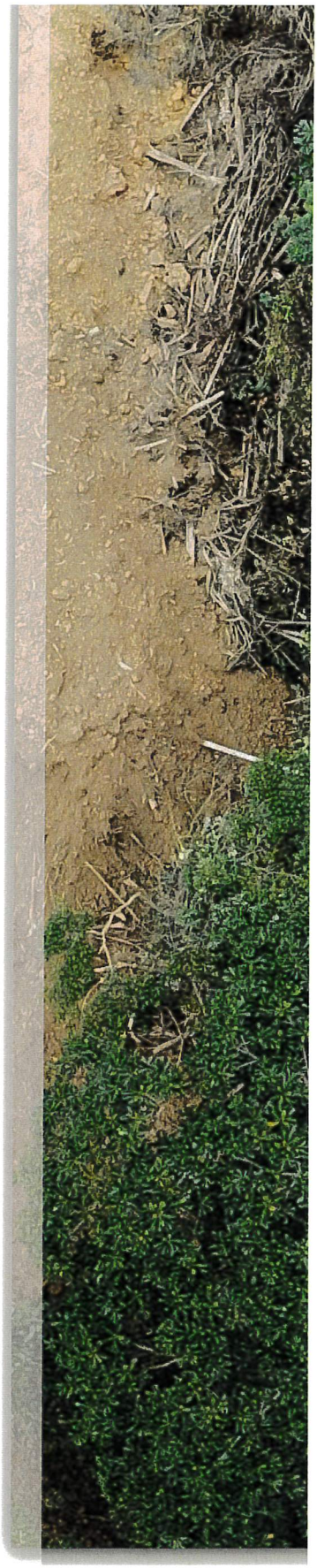
Agenda:

8:00-8:30	**Welcome and Introductions**
8:30-8:45	**Why Erosion and Sediment Control Is So Important** Perry Oakes, Alabama Soil and Water Conservation Committee
8:45-9:00	**Alabama Blue Book History** Earl Norton, Alabama Soil and Water Conservation Committee
9:00-9:15	**Flood Feeds – When Environmental Issues Go Viral** Leslie Gahagan, City of Foley
9:15-9:45	**Will You Be My Good Neighbor?** Wade Burcham, 5020 Engineering Resource Group, Inc.
9:45-10:00	**Break**
10:00-11:00	**BMP Installation and Maintenance** There's An App for That: Perry Oakes, Alabama Soil and Water Conservation Committee Installation and Maintenance: Do It Right the First Time: Matt Wisenden, Auburn University Stormwater Research Facility
11:00-11:30	**Stormwater Inspection Requirements** Suzanne Sweetser, Thompson Engineering
11:30-12:30	**Lunch**

City of Fairhope Alabama · Daphne Alabama · Auburn Water Resources Center · Baldwin County Alabama · Mobile Bay National Estuary Program · Alabama Soil & Water Conservation Committee · Auburn Stormwater

EROSION + SEDIMENT CONTROL
BMP WORKSHOP

Hosted by The City of Fairhope
Fairhope Civic Center | Tues, November 4, 2025 | 8am-4:30pm



12:30-1:30 **Focus on Three Often Overlooked and Incorrectly Installed BMPs**
Perimeter Protection - Is sediment or stormwater the problem?:
Wes Donald, Auburn University Stormwater Research Facility
All the Steps for Seeding and Mulching:
Perry Oakes and Earl Norton, Alabama Soil and Water Conservation Committee
Designing, Installing, and Maintaining a Construction Site Sediment Basin:
Matt Wisenden, Auburn University Stormwater Research Facility

1:30-2:00 **Break and Travel to Field Site** :
City of Fairhope Community Garden, 108 S. Summit Street

2:00-4:30 **BMP Installation Demonstrations**
Perimeter/Sediment Controls
Vegetation Establishment
Inlet Protection

4:30 **Adjourn**

CITY OF FAIRHOPE ALABAMA · Daphne ALABAMA · AUBURN Water Resources Center · THE SEAL OF BALDWIN COUNTY ALABAMA 1809 · Mobile Bay National Estuary Program · ALABAMA SOIL & WATER CONSERVATION COMMITTEE · AUBURN STORMWATER

Alabama Department of Environmental Management

CERTIFICATE OF ATTENDANCE

for

2026 Alabama Nonpoint Source Management Program Conference

January 15, 2026

Ashley Campbell

ATTENDEE

ADEM
Alabama Department of Environmental Management

ADEM PERMITS & SERVICES DIVISION CHIEF

ALABAMA GREAT SEAL

Certificate of Achievement

Let it be known that

Ashley Campbell

has received this certificate for
participating in and completing the

Management Fundamentals Program

On January 14, 2025 – September 9, 2025

Deidra Hanak
Deidra Hanak, Director of Personnel

Bo Bonner
Bo Bonner, Assistant Director of Personnel

Brittany Swartz
Brittany Swartz, Employee Relations & Training Administrator

THE SEAL OF BALDWIN COUNTY ALABAMA
1809

UNIVERSITY OF NORTH ALABAMA

Center for Learning and Professional Development

THIS CERTIFICATE OF TRAINING IS PRESENTED TO

Ashley Campbell

Who successfully completed 6 Hours (0.6 CEUs) of training
in an Instructor-led Course on

Meeting Management

Mary Marshall VanGant

Center for Learning & Professional Development

10/2/2025

Date

The instructional program represented by this certificate was provided in accodance with the criteria and standards of the Southern Associatioin of Colleges and Schools and the Continuing Education Unit

UNIVERSITY OF NORTH ALABAMA

Center for Learning and Professional Development

CERTIFIED ALABAMA PLANNING AND ZONING OFFICIAL

The Alabama Planning Institute, The University of North Alabama, and The Alabama Chapter of The American Planning Association cooperatively award Certification to

Ashley Campbell

Certified Alabama Planning and Zoning Official (CAPZO) Certification is earned as of December 16, 2025 and valid for two years

For successfully completing 30 hours of education and training focusing on the skills essential to an effective planning and zoning official

APA AL

Alabama Chapter,
American Planning Association

UNIVERSITY OF 18 30 NORTH ALABAMA

Mary Marshall VanGant

University of North Alabama
Center for Learning & Professional Development

The instructional program represented by this certificate was provided in accordance with the criteria and standards of the Southern Association of Colleges and Schools and the Continuing Education Unit

UNIVERSITY OF NORTH ALABAMA

Center for Learning and Professional Development

THIS CERTIFICATE OF TRAINING IS PRESENTED TO

Ashley Campbell

Who successfully completed 10 Hours (1 CEUs) of training
in a Home Study Course on

Community Planning in Alabama: A Primer for PC and BZA Members-Home Study

Mary Marshall VanGant

Center for Learning & Professional Development

December 16, 2025
Date

The instructional program represented by this certificate was provided in accodance with the criteria and standards of the Southern Associatioin of Colleges and Schools and the Continuing Education Unit

UNIVERSITY OF NORTH ALABAMA

Center for Learning and Professional Development

THIS CERTIFICATE OF TRAINING IS PRESENTED TO

Ashley Campbell

Who successfully completed 6 Hours (0.6 CEUs) of training
in an Instructor-led Course on

Meeting Management

Mary Marshall VanGant

Center for Learning & Professional Development

10/2/2025

Date

The instructional program represented by this certificate was provided in accodance with the criteria and standards of the Southern Associatioin of Colleges and Schools and the Continuing Education Unit

UNIVERSITY OF NORTH ALABAMA

Center for Learning and Professional Development

THIS CERTIFICATE OF TRAINING IS PRESENTED TO

Ashley Campbell

Who successfully completed 3.5 Hours (0.35 CEUs) of training
in an Instructor-led Course on

The Legal Foundation for Planning and Zoning in Alabama

Mary Marshall VanGant

Center for Learning & Professional Development

10/1/2025

Date

The instructional program represented by this certificate was provided in accodance with the criteria and standards of the Southern Associatioin of Colleges and Schools and the Continuing Education Unit

UNIVERSITY OF NORTH ALABAMA

Center for Learning and Professional Development

THIS CERTIFICATE OF TRAINING IS PRESENTED TO

Ashley Campbell

Who successfully completed 3.5 Hours (0.35 CEUs) of training
in an Instructor-led Course on

Powers, Duties, and Responsibilities of Planning Commissions and Boards of Adjustment

Mary Marshall VanGant

Center for Learning & Professional Development

10/1/2025

Date

The instructional program represented by this certificate was provided in accodance with the criteria and standards of the Southern Associatioin of Colleges and Schools and the Continuing Education Unit

UNIVERSITY OF NORTH ALABAMA

Center for Learning and Professional Development

THIS CERTIFICATE OF TRAINING IS PRESENTED TO

Ashley Campbell

Who successfully completed 3.5 Hours (0.35 CEUs) of training
in an Instructor-led Course on

Comprehensive Planning: How to Prepare, Update and Implement Your Plan

Mary Marshall VanGant

Center for Learning & Professional Development

10/1/2025

Date

The instructional program represented by this certificate was provided in accodance with the criteria and standards of the Southern Associatioin of Colleges and Schools and the Continuing Education Unit

UNIVERSITY OF NORTH ALABAMA

Center for Learning and Professional Development

THIS CERTIFICATE OF TRAINING IS PRESENTED TO

Ashley Campbell

Who successfully completed 3.5 Hours (0.35 CEUs) of training
in an Instructor-led Course on

Basic Zoning & Subdivision Regulations

Mary Marshall VanGant

Center for Learning & Professional Development

10/1/2025

Date

The instructional program represented by this certificate was provided in accodance with the criteria and standards of the Southern Associatioin of Colleges and Schools and the Continuing Education Unit

Alabama Chapter
Soil and Water Conservation Society

CERTIFICATE OF COMPLETION

This is to certify that

_____

was a participant in the Alabama Chapter's Annual Conference June 11, 12, 13 2025

Stewardship of Our Environment

Technical Presentations, Field Study Trip, and Exhibits on June 11, 12, 13 2025

Continuing Education Units and Professional Development Hours based on contact hours

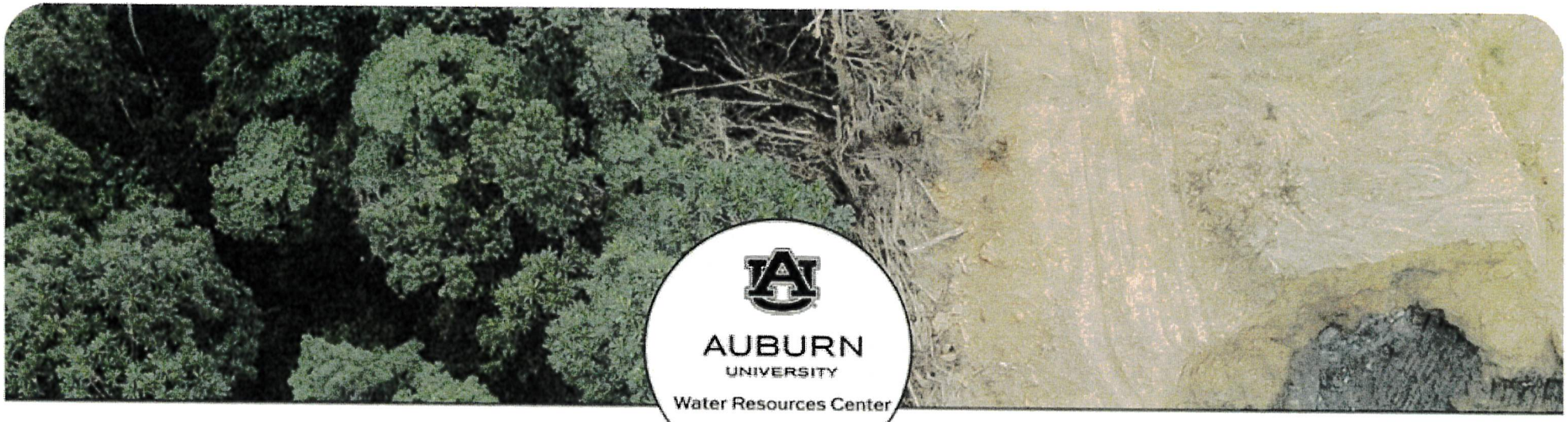
	CEUs	PDUs	PDHs	PDH
Date	CCA (CEU)	CPESC PDU)	PE (PDH)	PG (PDH)
June 11, 2025	2.5	3.0	3.0	3.0
June 12, 2025	3.5	2.5	2.5	2.5
June 13, 2025	1.5	2.5	2.5	2.5

Ashley Campbell

Ashley Campbell, President
Alabama Chapter, SWCS

Perry L Oakes

Perry L. Oakes, P.E., Chairman
Alabama Chapter, Education Committee



AUBURN
UNIVERSITY
Water Resources Center

Erosion and Sediment Control
Best Management Practices Workshop

Fairhope Civic Center, Fairhope AL | November 4, 2025

Barry Guy

Approved for 0.85 (8.5 hours) of Continuing Education Units from Auburn University
Filed with Auburn University Office of Continuing Education

Laura Cooley

Laura Cooley, Project Manager
Auburn University Water Resources Center

ADCNR
COASTAL TRAINING PROGRAM
CERTIFICATE OF TRAINING

This certificate is awarded to

BARRY GUY

In recognition of successful completion of 28 hours of

WETLAND IDENTIFICATION AND DELINEATION TRAINING

Johanna Gertsch

Johanna Gertsch

3/13/2026

Date

Ashley Campbell

Subject:	Permitting Team Development
Location:	P&Z Kitchen table
Start:	Fri 7/25/2025 8:30 AM
End:	Fri 7/25/2025 9:00 AM
Recurrence:	Weekly
Recurrence Pattern:	every Friday from 8:30 AM to 9:00 AM
Meeting Status:	Accepted
Organizer:	Josh Newman
Required Attendees:	Tyler D. Austin; Michael Sharp; Kaylan Driskell; Barry Guy; Ashley Campbell

A different topic each week to cover

- CTP Process – Kaylan – Friday 5/16/2025
- Erosion Control Devices – Ashley/Barry 7/11/25
- Sight Distance (design) – Tyler
- Sight Distance (field) – Kaylan
- When is a dry ramp appropriate for a driveway turnout – Kaylan
- Driveway Turnout Drainage – Tyler
- CPR Process- Tyler
- Setting up Fees in Citizenserve - Josh
- AFM Package – Mike
- Field Inspection Types – Mike
- Detention/Retention Pond calculations – Josh
- Asphalt Pavement requirements – Josh
- Refresher - Different Permit Types – Josh

Microsoft Teams Need help?

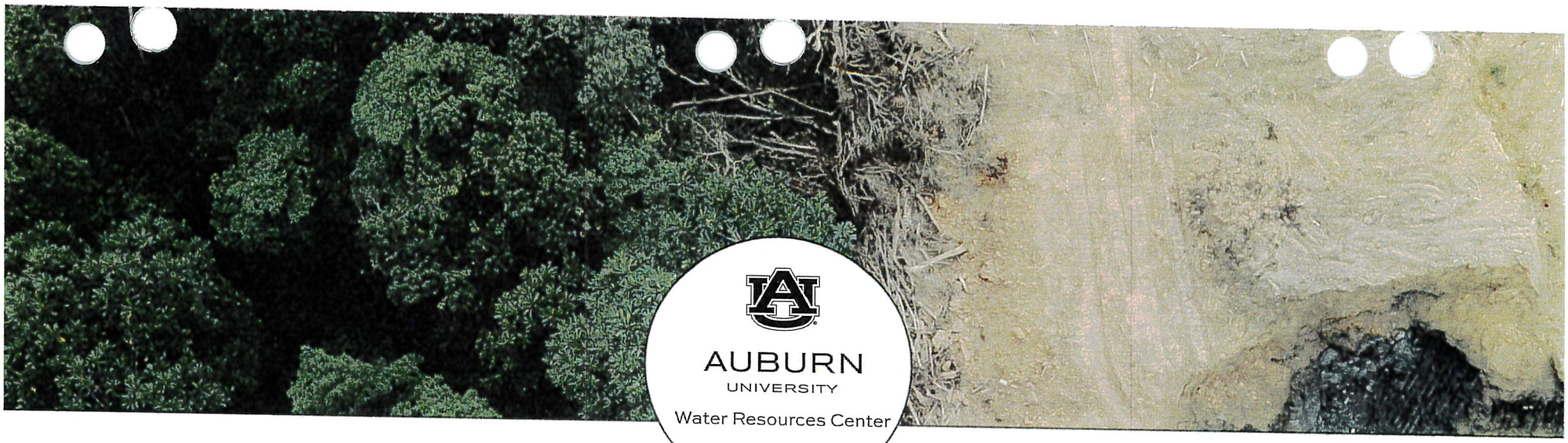
Join the meeting now

Meeting ID: 227 322 578 87

Passcode: mEFzpt

Dial in by phone

+1 972-581-9924,,268735879# United States, Renner



AUBURN
UNIVERSITY
Water Resources Center

Erosion and Sediment Control
Best Management Practices Workshop

Fairhope Civic Center, Fairhope AL | November 4, 2025

Fabia Waters

Approved for 0.85 (8.5 hours) of Continuing Education Units from Auburn University
Filed with Auburn University Office of Continuing Education

Laura Cooley, Project Manager
Auburn University Water Resources Center

Ashley Campbell

Subject:	Wetland Training Robertsdale
Start:	Fri 9/19/2025 12:00 AM
End:	Sat 9/20/2025 12:00 AM
Show Time As:	Free
Recurrence:	(none)
Organizer:	Ashley Campbell

County Wetland Training
09/19/2025

Name	Department	Signature
1) Celena Baskin	P+Z	
2) Cory Rhodes	P+Z	Cory Rhodes
3) Brenda Brock	P+Z	Brenda Brock
4) Janie Joiner	Bldg Insp.	Janie Joiner
5) Mindy Smith	Bldg Insp.	Mindy Smith
6) Danielle Bracwell	Bldg Insp.	D Bracwell
7) Elizabeth Wilson	P&Z	Elizabeth Wilson
8) Josh Newman	P & Z	
9) Kaylan Driskell	P & Z	
10) Michael Sharp	P & Z	
11) Justin Cregger	P+Z	
12) Nathan White	P&Z	Nathan White
13) Rebecca Peacock	P & Z	
14) Mary Booth	R+Z	Mary Booth

County Wetland Training
09/19/2025

Name	Department	Signature
(15) Crystal Bates	Planning & Zoning	Crystal Bates
(16) Shelby Coulson	Planning & Zoning	Shelby Coulson
(17) JENNY MOSLEY	PLANNING & ZONING	
(18) Fabia Waters	Planning & Zoning	
(19) Calla Shields	Planning & Zoning	Calla Shields

BALDWIN COUNTY, ALABAMA

Planning and Zoning Department

Stormwater Management Design & Review Training

January 29, 2026

9:00:00 am -11:30 pm

Robertsdale Central Annex-Commission Chambers
22251 Palmer Street, Robertsdale, AL

Objectives:
For Planning & Zoning staff to:

- Become familiar with the Baldwin County's Stormwater Management Design Forms
- Become familiar with Baldwin County's Low Impact Development (LID) Suspended Solids and Nutrient Load Reduction Review Tool

Partners & Facilitators:

- Mobile Bay National Estuary Program (MBNEP) - Cody Aloi
- 5020 Engineering Resource Group Incorporated - Wade Burcham
- Hydro Engineering Solutions - Dewayne Smith

Agenda:

8:50-9:00	MBNEP Restoring & Protecting Our Coastal Waters	Cody Aloi
9:00-10:00	Low Impact Development Suspended Solids and Nutrient Load Reduction Site Review Tool	Wade Burcham
10:00-11:00	Baldwin County Storm Water Management Design Forms	Dewayne Smith

CREATE A Clean Water FUTURE
www.CleanWaterFuture.com

Baldwin County Planning and Zoning Stormwater Training

1/29/2026

Name	Department	Section	Signature
James Howard	P & Z		James Howard
Nathan White	P&Z		Nathan White
Justin Cregger	P+Z		
Rebecca Peacock	P+Z		
	P+C		
Michael Smith	P+Z		
Barry Guy	P+Z		
Kaylan Dolskell	P+Z		
Michael Sharp	P+Z		
Crystal Bates	P+Z		Crystal Bates
Elizabeth Wilson	P&Z		Elizabeth Wilson
Calla Mckenzie	P+Z		Calla Mckenzie
Shelby Coulson	P+Z		Shelby Coulson
JENNY MOSLEY	P & Z		
Cory Rhodes	P+Z		Cory Rhodes
Linda Lee	P & Z		Linda Lee
Jay Dickson	P+Z		
Celena Boykin	P+Z		
WADE BURCHAM	5020 ENG		Wade Burcham
Josh Newman	P & Z		

UNIVERSITY OF NORTH ALABAMA

Center for Learning and Professional Development

THIS CERTIFICATE OF TRAINING IS PRESENTED TO

Brenda Brock

Who successfully completed 4 Hours (0.4 CEUs) of training
in an Instructor-led Course on

Comprehensive Planning and You: Updating Your Comprehensive Plan

Mary Marshall VanGant

Center for Learning & Professional Development

9/12/2025

Date

The instructional program represented by this certificate was provided in accodance with the criteria and standards of the Southern Associatioin of Colleges and Schools and the Continuing Education Unit

UNIVERSITY OF NORTH ALABAMA

Center for Learning and Professional Development

CERTIFIED ALABAMA PLANNING AND ZONING OFFICIAL

The Alabama Planning Institute, The University of North Alabama, and The Alabama Chapter of The American Planning Association cooperatively award Certification to

Brenda Brock

Certified Alabama Planning and Zoning Official (CAPZO) Recertification is earned as of September 12, 2025 and valid for one year

For successfully completing the CAPZO Recertification requirements in education and training focusing on the skills essential to an effective planning and zoning official

APA AL

Alabama Chapter,
American Planning Association

UNIVERSITY OF 18 30 NORTH ALABAMA

Mary Marshall VanGant

University of North Alabama
Center for Learning & Professional Development

The instructional program represented by this certificate was provided in accordance with the criteria and standards of the Southern Association of Colleges and Schools and the Continuing Education Unit

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UNIVERSITY OF NORTH ALABAMA

Center for Learning and Professional Development

CERTIFIED ALABAMA PLANNING AND ZONING OFFICIAL

The Alabama Planning Institute, The University of North Alabama, and The Alabama Chapter of The American Planning Association cooperatively award Certification to

Elizabeth Wilson

Certified Alabama Planning and Zoning Official (CAPZO) Certification is earned as of October 06, 2025 and valid for two years

For successfully completing 30 hours of education and training focusing on the skills essential to an effective planning and zoning official

APA AL

Alabama Chapter,
American Planning Association

UNIVERSITY OF 18 30 NORTH ALABAMA

Mary Marshall VanGant

University of North Alabama
Center for Learning & Professional Development

The instructional program represented by this certificate was provided in accordance with the criteria and standards of the Southern Association of Colleges and Schools and the Continuing Education Unit

UNIVERSITY OF NORTH ALABAMA

Center for Learning and Professional Development

THIS CERTIFICATE OF TRAINING IS PRESENTED TO

Elizabeth Wilson

Who successfully completed 10 Hours (1 CEUs) of training
in a Home Study Course on

Community Planning in Alabama: A Primer for PC and BZA Members-Home Study

Mary Marshall VanGant

Center for Learning & Professional
Development

October 06, 2025
Date

The instructional program represented by this certificate was provided in accodance with the criteria and standards of the Southern Associatioin of Colleges and Schools and the Continuing Education Unit

UNIVERSITY OF NORTH ALABAMA

Center for Learning and Professional Development

CERTIFIED ALABAMA PLANNING AND ZONING OFFICIAL

The Alabama Planning Institute, The University of North Alabama, and The Alabama Chapter of The American Planning Association cooperatively award Recertification to

FABIA WATERS

Certified Alabama Planning and Zoning Official (CAPZO) for the Recertification period
June 30, 2024 through June 30, 2025

For successfully completing the CAPZO Recertification requirements in education and training focusing on the skills essential to an effective planning and zoning official.

APA AL

Alabama Chapter,
American Planning Association

Mary Marshall VanGant

University of North Alabama
Center for Learning & Professional Development

The instructional program represented by this certificate was provided in accordance with the criteria and standards of the Southern Association of Colleges and Schools and Council on the Continuing Education Unit.

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BALDWIN COUNTY, ALABAMA

Planning and Zoning Department

2026 MS4 Training

Area 100

March 24, 2026

1. Municipal Separate Storm Sewer System (MS4) & Storm Water Management Program (SWMP)
    - 7,250 permitted Municipal Separate Storm Sewer Systems (MS4s),
    - Phase I & Phase II under a National Pollutant Discharge Elimination System (NPDES)
    - MS4 Storm Water Management Program (SWMP) that must include pollution prevention measures, treatment or removal techniques, monitoring, use of legal authority, and other appropriate measures to control the quality of storm water discharged to the storm drains and thence to waters of the United States

2. MS4 Area Map

3. Baldwin County MS4 SWMPP Minimum Control Measures
    - Education Outreach & Public Participation
    - Illicit Discharge Detection and Elimination
    - Erosion & Sediment Control
    - Post Construction Management
    - Good Housekeeping

4. Discussion of Point Source and Non-Point Source Pollution

5. Best Management Practice Inspection Video

6. Questions

7. Upcoming Training Needs

Safety Meeting – Bay Minette HWY Department- Area 100

Topic: ~~Chainsaw Safety~~ Vehicle Safety Inspection

~~January 6, 2026~~ March 24, 2026

Visitors: MS-4 Nationwide

		Signature
Agerton, Blake	192393	1
Anderson, Dillon	192394	2
Anderson, Joshua	193415	3
Bradley, James "JB"	183846	4
Bringer, Gage	194272	5 Gage Bringer
Butler, Austin	193965	6
Carlisle, Michael "Dylan"	180702	7
Cox, Danielle	193857	8
Gentry, Robert "Bobby"	174414	9
Gray, Anthony	194351	10
Harville, Adam	107191	11
Harville, Jacob	119394	12
Howell, James "Jamie"	89447	13
Howell, Jeremy	144901	14
Howell, Rodney	019415	15
Jones, Patricia "Patty"	191527	16
Kelmer, Joseph "Joey"	046691	17
Killingsworth, Luke	193108	18
Knight, Jacobie	193598	19
Knight, Keanna "KeKe"	193850	20
Knott, Larry "Bailey"	193624	21
Koutny, Jaroslav "JK"	164603	22
Ledbetter, Marcus	193267	23
McDuffie, Rodgers "BJ"	194384	24
McFarland, Matthew	188893	25
Owens, Mike	062375	26
Phillippi, Tommie "Rex"	5741	27
Prim, Donald	191814	28
Pugh, Mark	188214	29
Robinson, Charles "Greg"	194271	30
Simpson, Cody	193226	31
Smith, Dillon	183572	32
Stevens, Ray	191085	33
Van Vleet, Keith	185692	34
Venema, Gavin	193561	35
Weaver, Cody	188056	36
White, Robert "Rusty"	089560	37
Williams, Seth	194397	38
Wilson, Ashton "Montana"	194389	39
Wilson, Timothy	193563	40

BALDWIN COUNTY, ALABAMA

Planning and Zoning Department

2026 MS4 Training

Area 200

March 4, 2026

1. Municipal Separate Storm Sewer System (MS4) & Storm Water Management Program (SWMP)
    - 7,250 permitted Municipal Separate Storm Sewer Systems (MS4s),
    - Phase I & Phase II under a National Pollutant Discharge Elimination System (NPDES)
    - MS4 Storm Water Management Program (SWMP) that must include pollution prevention measures, treatment or removal techniques, monitoring, use of legal authority, and other appropriate measures to control the quality of storm water discharged to the storm drains and thence to waters of the United States

2. MS4 Area Map

3. Baldwin County MS4 SWMPP Minimum Control Measures
    - Education Outreach & Public Participation
    - Illicit Discharge Detection and Elimination
    - Erosion & Sediment Control
    - Post Construction Management
    - Good Housekeeping

4. Discussion of Point Source and Non-Point Source Pollution

5. Best Management Practice Inspection Video

6. Questions

7. Upcoming Training Needs

Baldwin County Commission

Attendance Form - Safety Meeting Sign-In Sheet

Note to supervisor: Complete and file this form. Attach handout when used.

Department: Baldwin County Highway Dept. Area 200
Supervisor: John Lundy Asst. Supervisor: Forrest Davis

Date: 3/4/2026

Topic: Vehicle Safety – Inspecting Before and After Use

Time: 6:45am

Print Name:	Employee #		Signature
Allen, James	120660	1	
Atchison, Javis	194373	1	
Byrd, Matt	194109	1	
Callaway, Ginny	194360	1	
Caswell, Jared	186134	1	
Conway, Bryan	193646	1	
Davis, Logan	193684	0	XXXXXXXXXXXXXX
Denton, Bill	193392	1	
Diosdado, Luis	193647	1	
Duplesis, Rosson	194374	1	
Farnham, Bryan	193307	1	
Hallford, Tim	188888	1	
Hantz, Ian	191330	1	
Hernandez, Jose	193697	1	
Holston, Mike	182579	1	
Ikner, LT	194224	1	
Jackson, Johnny	6955	0	XXXXXXXXXXXXXX
Jasso, Aaron	182838	1	
Jones, Jacob	194375	1	
Kelly, Noah	193856	1	
Kesterson, Zackary	193683	1	
Lundy, John	127642	1	
McKain, Ryan	193689	1	
Milstid, James	193539	1	
Palmer, Marcello	194376	1	
Peterson, Gary	182760	1	
Phillips, Kenneth	194393	1	
Ramey, Belinda	193374	1	
Resmondo, Jack	183516	1	
Salac, Trenton	193224	1	
Sanders, Edward	25259	1	
Sellers, Devin	191331	1	XXXXXXXXXXXX
Stabler, Will	191594	0	XXXXXXXXXXXXXX
Stanton, Reginald	186537	1	
Strehle, Travis	193618	1	
Swartz, Nick	194012	1	

Szilagyi, Michael	193531	1	Michael Szilagyi
Turner, Haydon	194152	1	
Wallace, Roger	181505	1	XXXXXXXXXXX
Williams Jr., Freddie	193477	1	
Younce, Anthony			
Peterson, Pete	136346		
	Total	37	

BALDWIN COUNTY, ALABAMA

Planning and Zoning Department

2026 MS4 Training

Area 300

March 3, 2026

1. Municipal Separate Storm Sewer System (MS4) & Storm Water Management Program (SWMP)
    - 7,250 permitted Municipal Separate Storm Sewer Systems (MS4s),
    - Phase I & Phase II under a National Pollutant Discharge Elimination System (NPDES)
    - MS4 Storm Water Management Program (SWMP) that must include pollution prevention measures, treatment or removal techniques, monitoring, use of legal authority, and other appropriate measures to control the quality of storm water discharged to the storm drains and thence to waters of the United States

2. MS4 Area Map

3. Baldwin County MS4 SWMPP Minimum Control Measures
    - Education Outreach & Public Participation
    - Illicit Discharge Detection and Elimination
    - Erosion & Sediment Control
    - Post Construction Management
    - Good Housekeeping

4. Discussion of Point Source and Non-Point Source Pollution

5. Best Management Practice Inspection Video

6. Questions

7. Upcoming Training Needs

Baldwin County Commission

Attendance Form - Safety Meeting

Note to supervisor: Complete and file this form. Attach handout when used.

Department: FOLEY HIGHWAY DEPT. – AREA 300
Supervisor: **Jeremy Ringler**
Topic: Vehicle Safety

Date: 3-3-26
Time: 6:30

Sign in Sheet:

Print Name	Signature
DOUG ACKER	
JOE AVERY	
LOGAN BROCK	
JASON BROOKS	
NICK BROWN	
TIMOTHY BUTLER	
CLEO BYRD	
NICHOLAS CARDIN	
JEROME COLLINS	
CHARLES CRAWFORD	
CLIFTON CURRY	
VAL DANIELS	
TYLER DEAKLE	
MARCUS DUBUISSON	
WILLIAM DUKE	
REGGIE ERVIN	
ALEXIS FULFORD	
HARRELL GRANT	
JOEY HARRIS	
DAVID HIGGINBOTHAM	
DERICA JAMES	
KENNETH JOHNSON	
WILLIE JOHNSON	
JUNIOR JONES	
WILL KENSER	
RANDALE LANKFORD	
ROBBY MARSHALL	
JOEY NELSON	
TREY PENRY	
MICHAEL PORTER	
JEREMY RINGLER	
MICHAEL REW	
JEFFREY ROSE	
ANTHONY SALTER	
EARL STEADHAM	
CHARLES WARREN	
Dustin Daniels	
Anthony Young	

Table 9-6 Baldwin County Phase II MS4

MCM 5 Pollution/Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5av	*9.2.5*	*Training*	*Throughout the permit cycle, employees with MS4 duties will be provided stormwater training in regards to the County's Stormwater Management Program.*	*All*	*P&Z*
2025/2026					
Type		**Building Staff Member:**	**Description**	**Date**	
	ASFPM	Frederick G. Holman	ASFPM Certified Floodplain Manager	1/31/2027	In 2025 Report
	ASFPM	Janie M Jonier	ASFPM Certified Floodplain Manager	7/31/2026	In 2024 Report
	ASFPM	William L. Angle	ASFPM Certified Floodplain Manager	1/31/2026	In 2024 Report
	ASFPM	Nick Martinell	ASFPM Certified Floodplain Manager	12/8/2028	
	ASFPM	Eddie Harper	ASFPM Spring Workshop	4/23/2025	
	ASFPM	Corey Flowers	ASFPM Spring Workshop	4/23/2025	
	ASFPM	Janie M Jonier	ASFPM Spring Workshop	4/23/2025	
	ASFPM	Lee Angle	ASFPM Spring Workshop	4/23/2025	
	ASFPM	Frederick G. Holman	ASFPM Spring Workshop	4/23/2025	
	ASFPM	Janie M Jonier	ASFPM Spring Workshop	4/23/2025	
	ASFPM	Nick Martinell	ASFPM Spring Workshop	4/23/2025	
	ASFPM	Eddie Harper	ASFPM Fall Conference	10/8-10/2025	
	ASFPM	Ashley Anderson	ASFPM Fall Conference	10/8-10/2025	
	ASFPM	Corey Flowers	ASFPM Fall Conference	10/8-10/2025	
	ASFPM	Janie M Jonier	ASFPM Fall Conference	10/8-10/2025	
	ASFPM	Lee Angle	ASFPM Fall Conference	10/8-10/2025	
	ASFPM	Frederick G. Holman	ASFPM Fall Conference	10/8-10/2025	
	ASFPM	Nick Martinell	ASFPM Fall Conference	10/8-10/2025	
	ASFPM	Corey Flowers	ASFPM Understanding State Wide Flood Risk	5/6/2025	
	ASFPM	Corey Flowers	Planning Information Exchange	7/17/2025	
	FEMA	Corey Flowers	IS-13: Conduction and Behavior	5/12/2025	
	FEMA	Corey Flowers	NFIP/Community Rating System	7/28-31/2025	

Table 9-6 Baldwin County Phase II MS4

MCM 5 Pollution/Good Housekeeping Strategies and Goals

Type		Building Staff Member:	Description	Date	
	CRI	Corey Flowers	Coast Resilience Institute-Exploring Activity 610: Flood Warning Response	1/23/2026	
	ASFPM	Frederick G. Holman	ASCE24 Changes	4/15/2025	
	ASFPM	Frederick G. Holman	CTP Information Exchange/Hydrology	4/27/2025	
	ASFPM	Frederick G. Holman	Planning Information Exchange/Sourcing & Utilizing Date for HMP	7/17/2025	
	ASFPM	Frederick G. Holman	CTP Information Exchange/HEC-RAS 2025	6/3/2025	

ASSOCIATION OF STATE FLOODPLAIN MANAGERS, INC.
CERTIFICATION BOARD OF REGENTS

HEREBY CERTIFIES THAT PURSUANT TO THE PROVISIONS OF THE CHARTER FOR THE CERTIFIED FLOODPLAIN MANAGER PROGRAM

Nicholas J. Martinell, CFM

IS DULY REGISTERED AS AN

ASFPM CERTIFIED FLOODPLAIN MANAGER

Certification Number: US-25-13988 **Date Issued: 12/8/2025**

THE CERTIFICATION BOARD OF REGENTS ATTESTS THAT THE INDIVIDUAL NAMED ON THIS CERTIFICATE HAS SUCCESSFULLY DEMONSTRATED THE REQUIRED KNOWLEDGE AND HAS PASSED THE CERTIFIED FLOODPLAIN MANAGER EXAM. THIS CERTIFICATE SHALL REMAIN VALID UNTIL REVOCATION, IN ACCORDANCE WITH THE RENEWAL REQUIREMENTS OF THIS BOARD.

SCAN TO VALIDATE

Roger D. Lindsey

Certification Board of Regents
President, Roger Lindsey, P.E., CFM

Association of State Floodplain Managers
Executive Director, Chad Berginnis, CFM

ASFPM CFM® CERTIFIED

CERTIFICATE OF ATTENDANCE

ALABAMA ASSOCIATION OF FLOODPLAIN MANAGERS

2025 Spring Workshop South

Foley, Alabama

This is to certify

Eddie Harper

has been awarded **5.5 Professional Development Hours (PDHs)** for attendance and participation in the AAFM Spring Workshop South held April 23, 2025

William Thomas, P.E., CFM

President, AAFM



CERTIFICATE OF ATTENDANCE



ALABAMA ASSOCIATION OF FLOODPLAIN MANAGERS

2025 Spring Workshop South

Foley, Alabama

This is to certify

Corey Flowers

has been awarded **5.5 Professional Development Hours (PDHs)** for attendance and participation in the AAFM Spring Workshop South held April 23, 2025

William Thomas, P.E., CFM

Presider AAFM



CERTIFICATE OF ATTENDANCE



ALABAMA ASSOCIATION OF FLOODPLAIN MANAGERS

2025 Spring Workshop South

Foley, Alabama

This is to certify

Janie Joiner

has been awarded **5.5 Professional Development Hours (PDHs)** for attendance and participation in the AAFM Spring Workshop South held April 23, 2025

William Thomas, P.E., CFM

Presider AAFM



CERTIFICATE OF ATTENDANCE



ALABAMA ASSOCIATION OF FLOODPLAIN MANAGERS

2025 Spring Workshop South

Foley, Alabama

This is to certify

Lee Angle

has been awarded **5.5 Professional Development Hours (PDHs)** for attendance and participation in the AAFM Spring Workshop South held April 23, 2025

William Thomas, P.E., CFM

President, AAFM

CERTIFICATE OF ATTENDANCE

ALABAMA ASSOCIATION OF FLOODPLAIN MANAGERS

2025 Spring Workshop South

Foley, Alabama

This is to certify

Frederick Holman

has been awarded **5.5 Professional Development Hours (PDHs)** for attendance and participation in the AAFM Spring Workshop South held April 23, 2025

William Thomas, P.E., CFM

President, AAFM



CERTIFICATE OF ATTENDANCE



ALABAMA ASSOCIATION OF FLOODPLAIN MANAGERS

2025 Spring Workshop South

Foley, Alabama

This is to certify

Nick Martinell

has been awarded **5.5 Professional Development Hours (PDHs)** for attendance and participation in the AAFM Spring Workshop South held April 23, 2025

William Thomas, P.E., CFM

President, AAFM

CERTIFICATE OF ATTENDANCE

ALABAMA ASSOCIATION OF FLOODPLAIN MANAGERS

18th Annual Fall Conference

Perdido Beach Resort – Orange Beach, Alabama

This is to certify

Eddie Harper

has been awarded **11.5 Continuing Education Units (CEUs)** for attendance and participation in the AAFM Fall Conference held October 8-10, 2025.

William Thomas, P.E., CFM

President, AAFM

CERTIFICATE OF ATTENDANCE

ALABAMA ASSOCIATION OF FLOODPLAIN MANAGERS

18th Annual Fall Conference

Perdido Beach Resort – Orange Beach, Alabama

This is to certify

Ashley Anderson

has been awarded **11.5 Continuing Education Units (CEUs)** for attendance and participation in the AAFM Fall Conference held October 8-10, 2025.

William Thomas, P.E., CFM

President, AAFM

CERTIFICATE OF ATTENDANCE

ALABAMA ASSOCIATION OF FLOODPLAIN MANAGERS

18th Annual Fall Conference

Perdido Beach Resort – Orange Beach, Alabama

This is to certify

Corey Flowers

has been awarded **11.5 Continuing Education Units (CEUs)** for attendance and participation in the AAFM Fall Conference held October 8-10, 2025.

William Thomas, P.E., CFM

President, AAFM

CERTIFICATE OF ATTENDANCE

ALABAMA ASSOCIATION OF FLOODPLAIN MANAGERS

18th Annual Fall Conference

Perdido Beach Resort – Orange Beach, Alabama

This is to certify

Janie Joiner

has been awarded **11.5 Continuing Education Units (CEUs)** for attendance and participation in the AAFM Fall Conference held October 8-10, 2025.

William Thomas, P.E., CFM

President, AAFM

CERTIFICATE OF ATTENDANCE

ALABAMA ASSOCIATION OF FLOODPLAIN MANAGERS

18th Annual Fall Conference

Perdido Beach Resort – Orange Beach, Alabama

This is to certify

Lee Angle

has been awarded **11.5 Continuing Education Units (CEUs)** for attendance and participation in the AAFM Fall Conference held October 8-10, 2025.

William Thomas, P.E., CFM

President, AAFM

CERTIFICATE OF ATTENDANCE

ALABAMA ASSOCIATION OF FLOODPLAIN MANAGERS

18th Annual Fall Conference

Perdido Beach Resort – Orange Beach, Alabama

This is to certify

Frederick Holman

has been awarded **11.5 Continuing Education Units (CEUs)** for attendance and participation in the AAFM Fall Conference held October 8-10, 2025.

William Thomas, P.E., CFM

President, AAFM

CERTIFICATE OF ATTENDANCE

ALABAMA ASSOCIATION OF FLOODPLAIN MANAGERS

18th Annual Fall Conference

Perdido Beach Resort – Orange Beach, Alabama

This is to certify

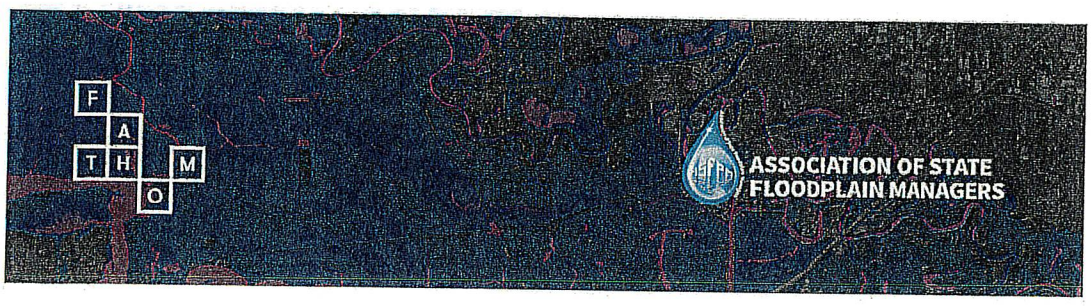
Nick Martinell

has been awarded **11.5 Continuing Education Units (CEUs)**
for attendance and participation in the AAFM Fall
Conference held October 8-10, 2025.

William Thomas, P.E., CFM

President AAFM

This message has originated from an **External Source.** Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.



Hi Corey,

Thank you for joining our webinar in partnership with the ASFPM: **Understanding statewide flood risk to fast-track resilience**.

You have qualified for 1 CEC. Please see below your certificate of attendance.

Certificate of attendance

Attendee: Corey Flowers

Session attended: Understanding statewide flood risk to fast-track resilience

CEC provider: Fathom & Association of State Floodplain Managers (ASFPM)

Date: May 6, 2025

CEC value: 1 CEC

Certificate of Attendance

This is to certify the attendance of:

Corey Flowers

At the training course:

Planning Information Exchange // Sourcing and Utilizing Data for Hazard Mitigation Planning

July 17th, 2025

1 CEC for CFMs, 1 CM for AICPs

Chad Berginnis

Chad Berginnis, Executive Director

Kevin Currie

Kevin Currie, Training Coordinator

FEMA

NATIONAL DISASTER & EMERGENCY MANAGEMENT UNIVERSITY

This Certificate of Achievement is to acknowledge that

COREY E FLOWERS

has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of the Independent Study course:

IS-13: EMI Conduct and Behavior

AUTHORIZED IACET PROVIDER

0.00 IACET CEU

Issued this 12th Day of May, 2025

Jeffrey D. Stern, Ph.D.
Superintendent
National Disaster & Emergency Management University

FEMA

NATIONAL DISASTER & EMERGENCY MANAGEMENT UNIVERSITY

This is to certify that

Corey Flowers

successfully completed

NFIP/Community Rating System

3.0 IACET CEU

July 28 - 31, 2025

ACCREDITED IACET PROVIDER

Superintendent
National Disaster & Emergency Management Univer

CERTIFICATE *of* ATTENDANCE

THIS ACKNOWLEDGES THAT

Corey Flowers

HAS ATTENDED 1 HOUR OF TRAINING THROUGH THE

EXPLORING ACTIVITY 610: FLOOD WARNING & RESPONSE

JANUARY 23, 2026

Stephen Deal

SIGNED, *Stephen Deal*, Extension Specialist, MS-AL Sea Grant

COAST RESILIENCE INSTITUTE

Certificate of Attendance

This is to certify the attendance of:

Frederick Holman

At the training course:

Reviewing the Changes in the Latest Edition of ASCE 24

April 15th, 2025

1 CEC for CFMs

Chad Berginnis

Chad Berginnis, Executive Director

Kevin Currie

Kevin Currie, Training Coordinator

Certificate of Attendance

This is to certify the attendance of:

Frederick Holman

At the training course:

CTP Information Exchange // Hydrology – Learning the Basics

August 27th, 2025

1 CEC for CFMs

Chad Berginnis

Chad Berginnis, Executive Director

Kevin Currie

Kevin Currie, Training Coordinator

Certificate of Attendance

This is to certify the attendance of:

Frederick Holman

At the training course:

Planning Information Exchange // Sourcing and Utilizing Data for Hazard Mitigation Planning

July 17th, 2025

1 CEC for CFMs, 1 CM for AICPs

Chad Berginnis

Chad Berginnis, Executive Director

Kevin Currie

Kevin Currie, Training Coordinator

Certificate of Attendance

This is to certify the attendance of:

Frederick Holman

At the training course:

CTP Information Exchange // HEC-RAS 2025

June 3rd, 2025

1 CEC for CFMs

Chad Berginnis

Chad Berginnis, Executive Director



Kevin Currie

Kevin Currie, Training Coordinator

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5av	*9.2.5*	*Training*	*Throughout the permit cycle, employees with MS4 duties will be provided stormwater training in regards to the County's Stormwater Management Program.*	*All*	*P&Z*

Baldwin County Highway Barn 100 Staff Training					
Name	**QCI #**	**QCI Date**	**MS4**	**Stormwater 101**	**MS4/ CBMPP**
Agerton, Blake			3/6/2025	3/6/2025	3/24/2026
Anderson, Dillon			3/6/2025	3/6/2025	3/24/2026
Anderson, Joshua "Josh"					Absent
Bradley, James "JB"	T7431	5/31/28			3/24/2026
Bringer, Gage					3/24/2026
Butler, Austin			3/6/2025	3/6/2025	3/24/2026
Carlisle, Michael "Dylan"	T3262	5/31/28			Absent
Cox, Danielle			3/6/2025	3/6/2025	3/24/2026
Gentry, Robert "Bobby"	T3264		3/6/2025	3/6/2025	3/24/2026
Gray, Anthony					3/24/2026
Harville, Adam	T7437	5/31/28	3/6/2025	3/6/2025	3/24/2026
Harville, Jacob			3/6/2025	3/6/2025	3/24/2026
Howell, James "Jamie"					3/24/2026
Howell, Jeremy	T1348	5/31/28	3/6/2025	3/6/2025	3/24/2026
Howell, Rodney	T4158		3/6/2025	3/6/2025	3/24/2026
Johnson, Donald			3/6/2025	3/6/2025	Absent
Jones, Patricia "Patty"			3/6/2025	3/6/2025	Absent
Kelmer, Joseph "Joey"	T2780	5/31/28	3/6/2025	3/6/2025	3/24/2026

Name	QCI #	QCI Date	MS4	Stormwater 101	MS4/ CBMPP
Killingsworth, Luke			3/6/2025	3/6/2025	3/24/2026
Knight, Jacobie			3/6/2025	3/6/2025	3/24/2026
Knight, Keanna "KeKe"					3/24/2026
Knott, Larry "Bailey"			3/6/2025	3/6/2025	3/24/2026
Kounty, Jaroslav, "JK"			3/6/2025	3/6/2025	Absent
Ledbetter, Marcus					3/24/2026
McDuffie, Rodgers "BJ"					3/24/2026
McFarland, Matthew "Matt"			3/6/2025	3/6/2025	3/24/2026
Owens, Alvin "Mike"			3/6/2025	3/6/2025	3/24/2026
Phillippi, Tommie "Rex"			3/6/2025	3/6/2025	3/24/2026
Prim, Donald			3/6/2025	3/6/2025	3/24/2026
Pugh, Mark			3/6/2025	3/6/2025	3/24/2026
Robinson, Charles "Greg"					3/24/2026
Simpson, Cody			3/6/2025	3/6/2025	3/24/2026
Smith, Dillon			3/6/2025	3/6/2025	3/24/2026
Stevens, Ray			3/6/2025	3/6/2025	3/24/2026
Van Vleet, Keith			3/6/2025	3/6/2025	3/24/2026
Venema, Gavin	T8078		3/6/2025	3/6/2025	3/24/2026
Weaver, Cody			3/6/2025	3/6/2025	3/24/2026
White, Robert "Rusty"	T4158	5/31/28	3/6/2025	3/6/2025	3/24/2026
Williams, Seth					3/24/2026
Wilson, Ashton "Montana"					3/24/2026
Wilson, Timothy "Tim"			3/6/2025	3/6/2025	3/24/2026

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

James Bradley

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T7431

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA DEPARTMENT OF TRANSPORTATION

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Dylan Carlisle

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T3262

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Adam Harville

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T7437

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Jeremy Howell

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T1348

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Joey Kelmer

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T2780

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Robert White

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T4158

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

NPDES Permit Section	SWMPP Section	Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5av	*9.2.5*	*Training*	*Throughout the permit cycle, employees with MS4 duties will be provided stormwater training in regards to the County's Stormwater Management Program.*	*All*	*P&Z*

Baldwin County Highway Barn 200 Staff Training					
Name	**QCI #**	**QCI Date**	**MS4**	**Stormwater 101**	**MS4/ CBMPP**
Atchison, Javis					3/4/2026
Byrd, Matt			3/5/2025	3/5/2025	3/4/2026
Callaway, Ginny					3/4/2026
Caswell, Jared			3/5/2025	3/5/2025	3/4/2026
Conway, Bryan			3/5/2025	3/5/2025	3/4/2026
Davis, Logan			3/5/2025	3/5/2025	Absent
Denton, Bill			3/5/2025	3/5/2025	3/4/2026
Diosdado, Luis					3/4/2026
Duplesis, Rosson					3/4/2026
Farnham, Bryan			3/5/2025	3/5/2025	3/4/2026
Hallford, Tim			3/5/2025	3/5/2025	Absent
Hantz, Ian			3/5/2025	3/5/2025	3/4/2026
Hernandez, Jose			3/5/2025	3/5/2025	3/4/2026
Holston, Mike			3/5/2025	3/5/2025	3/4/2026
Ikner, LT			3/5/2025	3/5/2025	3/4/2026
Jackson, Johnny					Absent
Jasso, Aaron					3/4/2026
Jones, Jacob					3/4/2026
Kelly, Noah			3/5/2025	3/5/2025	3/4/2026

Name	QCI #	QCI Date	MS4	Stormwater 101	MS4/ CBMPP
Kesterson, Zackary			3/5/2025	3/5/2025	3/4/2026
Lundy, John	T8565	5/31/28			3/4/2026
Loch, Nathan			3/5/2025	3/5/2025	Absent
McKain, Ryan			3/5/2025	3/5/2025	3/4/2026
Milstid, James	T8311	5/31/28	3/5/2025	3/5/2025	3/4/2026
Palmer, Marcello					3/4/2026
Peterson, Gary					3/4/2026
Phillips, Kenneth					3/4/2026
Ramey, Belinda			3/5/2025	3/5/2025	3/4/2026
Resmondo, Jack			3/5/2025	3/5/2025	3/4/2026
Salac, Trenton			3/5/2025	3/5/2025	3/4/2026
Sanders, Edward			3/5/2025	3/5/2025	3/4/2026
Sellers, Devin	T8312	5/31/28	3/5/2025	3/5/2025	Absent
Stanton, Reginald			3/5/2025	3/5/2025	3/4/2026
Strehle, Travis					3/4/2026
Swartz, Nick					3/4/2026
Szilagyi, Michael			3/5/2025	3/5/2025	3/4/2026
Turner, Haydon			3/5/2025	3/5/2025	3/4/2026
Wallace, Roger			3/5/2025	3/5/2025	Absent
Williams Jr., Freddie			3/5/2025	3/5/2025	3/4/2026
Younce, Anthony			3/5/2025	3/5/2025	3/4/2026

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

John Lundy

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T8565

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA DEPARTMENT OF TRANSPORTATION

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Jimmy Milstid

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T8311

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA DEPARTMENT OF TRANSPORTATION

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Devin Sellers

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T8312

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA DEPARTMENT OF TRANSPORTATION

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/ Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5av	*9.2.5*	*Training*	*Throughout the permit cycle, employees with MS4 duties will be provided stormwater training in regards to the County's Stormwater Management Program.*	*All*	*P&Z*

Baldwin County Highway Barn 300 Staff Training					
Name	**QCI #**	**QCI Date**	**MS4**	**Stormwater 101**	**MS4/ CBMPP**
Acker, Doug					3/3/2026
Avery, Joe			2/4/2025	2/4/2025	3/3/2026
Brock, Logan			2/4/2025	2/4/2025	3/3/2026
Brooks, Jason					3/3/2026
Brown, Nick			2/4/2025	2/4/2025	3/3/2026
Broxson, Gerrod			3/5/2025	3/5/2025	Absent
Butler, Timmy			2/4/2025	2/4/2025	3/3/2026
Byrd, Cleo			2/4/2025	2/4/2025	3/3/2026
Carroll, Kevin			3/5/2025	3/5/2025	Absent
Cardin, Nicholas					3/3/2026
Collins, Jerome			2/4/2025	2/4/2025	3/3/2026
Crawford, Charles			2/4/2025	2/4/2025	3/3/2026
Curry, Clifton			2/4/2025	2/4/2025	3/3/2026
Daniels, Dustin					3/3/2026
Daniels, Val			2/4/2025	2/4/2025	3/3/2026
Deakle, Tyler					Absent
Dubuisson, Marcus			2/4/2025	2/4/2025	3/3/2026
Duke, William			2/4/2025	2/4/2025	3/3/2026

Name	QCI #	QCI Date	MS4	Stormwater 101	MS4/ CBMPP
Ervin, Reggie			2/4/2025	2/4/2025	3/3/2026
Fulford, Alexis					Absent
Grant, Harrel			2/4/2025	2/4/2025	3/3/2026
Harris, Joey			2/4/2025	2/4/2025	3/3/2026
Harvey, Devin			2/4/2025	2/4/2025	
Higginbotham, David					3/3/2026
James, Derica					Absent
Johnson, Kenneth			2/4/2025	2/4/2025	3/3/2026
Johnson, Willie			2/4/2025	2/4/2025	3/3/2026
Jones, Junior			2/4/2025	2/4/2025	3/3/2026
Kenser, William			2/4/2025	2/4/2025	3/3/2026
Lankford, Randale					3/3/2026
Marshall, Robby			2/4/2025	2/4/2025	3/3/2026
Nelson, Joey			2/4/2025	2/4/2025	Absent
Penry, Trey			2/4/2025	2/4/2025	3/3/2026
Rew, Michael			2/4/2025	2/4/2025	3/3/2026
Ringer, Jeremy	T7437	5/31/26	2/4/2025	2/4/2025	3/3/2026
Rose, Jeff			2/4/2025	2/4/2025	3/3/2026
Salter, Anthony			2/4/2025	2/4/2025	3/3/2026
Steadham, Earl			2/4/2025	2/4/2025	3/3/2026
Warren, Charlie			2/4/2025	2/4/2025	3/3/2026
Younce, Anthony					3/3/2026

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Jeremy Ringler

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T7438

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger

Richard Klinger, PE

ALABAMA DEPARTMENT OF TRANSPORTATION

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5av	*9.2.5*	*Training*	*Throughout the permit cycle, employees with MS4 duties will be provided stormwater training in regards to the County's Stormwater Management Program.*	*All*	*P&Z*

2025/2026	Baldwin County Highway Engineering/Other				
Name	**QCI #**	**QCI Date**	**MS4**	**Stormwater 101**	**MS4/ CBMPP**
Allen, James	T7433				3/4/2026
Ashlie Rickard	T8700	3/31/2028			
Black, Randy	T7430	5/31/26	3/5/2025	3/5/2025	
Davis, Forrest	T7433	5/31/28	3/5/2025	3/5/2025	
Flowers, Archie			2/4/2025	2/4/2025	
Johnathan Carter	T8371	3/31/2028			
Josh Chaisson	T6939	3/31/2028			
Matthew Ulrich	T5358	3/31/2028			
Michael Campbell	T3560	3/31/2028			
Peterson, Pete	T0797	3/31/2028			
Todd Reed	T6010	3/31/2028			

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Ashlie Rickard

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T8700

EXP.05/31/2028

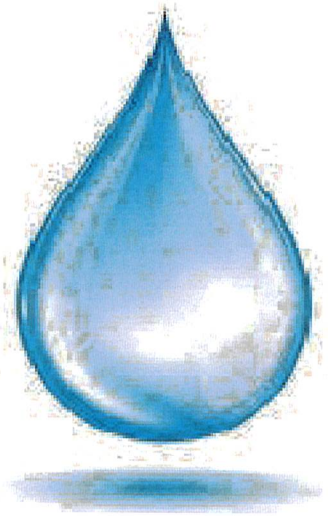
ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA DEPARTMENT OF TRANSPORTATION

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Forrest Davis

Baldwin Co

Has successfully completed the certification requirements as a

QCI # T7434

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA DEPARTMENT OF TRANSPORTATION

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Johnathon Carter

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T8371

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Josh Chiasson

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T6939

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA DEPARTMENT OF TRANSPORTATION

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Matthew Ulrich

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T5358

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Michael Campbell

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T3560

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA DEPARTMENT OF TRANSPORTATION

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Pete Peterson

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T0797

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA DEPARTMENT OF TRANSPORTATION

ALDOT Annual QCI Refresher Training

2026



4.00 Course Hours

Presented to:

Todd Reed

Baldwin Co.

Has successfully completed the certification requirements as a

QCI # T6010

EXP.05/31/2028

ALDOT QCI Trainer

Richard Klinger, PE

ALABAMA ★ DEPARTMENT OF TRANSPORTATION ★

Table 9-6 Baldwi[illegible]unty Phase II MS4

MCM 5 Pollution/Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5av	*9.2.5*	*Training*	*Throughout the permit cycle, employees with MS4 duties will be provided stormwater training in regards to the County's Stormwater Management Program.*	*All*	*P&Z*

2025/2026		**Additional Training**		
Planning & Zoning	***Name***	***Training Description***	***Certification***	***Date***
Planning & Zoning	Planning Department	Natural Resource Planning Wetland Training	No	9/19/2025
Planning & Zoning	Planning Department	Stormwater Training AGWA & LID	No	1/29/2026
		See Planning & Zoning 9.2.5		

Table 9-6 Baldwin County Phase II MS4

MCM 5 Pollution/Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5aii	*9.2.6.*	*Flood Management*	*Throughout the permit cycle, within the County's MS4 boundary, evaluate flood management projects and track data in annual report.*	*Storm Water*	*Building Inspections*
2024/2025		**Project**	**Description**		
		None	None		

Table 9-6 Baldwin County Phase II MS4

MCM 5 Pollution/Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5d	*9.4*	*Program Evaluation*	*Throughout the permit cycle, review the PP/Good Housekeeping minimum control measure strategies and goals achieved and prepare an annual report and update the SWMPP*	*All*	*P&Z*
2025/2026			**Evaluation Comment:**		
			The PP/GH Minimum Control Measure strategies		
			and goals have been achieved and tracked in the		
			Annual Report's Spreadsheets. Proposed updates will		
			be detailed in the MCM Evaluation Summary.		

Table 9-6 Baldwin County Phase II MS4
MCM 5 Pollution/Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5aii	*9.2.6.*	*Flood Management*	*Throughout the permit cycle, within the County's MS4 boundary, evaluate flood management projects and track data in annual report.*	*Storm Water*	*Building Inspections*
2024/2025		**Project**	**Description**		
		None	None		

Table 9-6 Baldwin County Phase II MS4
MCM 5 Pollution/Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5aii	*9.2.6.1*	*Community Rating System (CRS)*	*During the permit cycle, track CRS public outreach and education activities and provide a summary in the annual report.*	*Storm Water*	*P&Z*
2025/2026		**Type**	**Description**		
		Brochure	Flood Insurance-Saving You Money-Protecting Your Future-English & Spanish		

Community Rating System (CRS) Program

Baldwin County has participated in the National Flood Insurance Program's (NFIP) Community Rating System (CRS) since 1994. The CRS rewards communities that implement floodplain management standards beyond the NFIP's minimum requirements, providing residents with discounts on flood insurance premiums.

Currently, Baldwin County holds a Class 7 CRS rating, which offers a 15% discount on flood insurance premiums. These savings help strengthen the community's flood resilience and keep money within the local economy.

As of 2025, Baldwin County has 11,169 active flood insurance policies, generating $6.94 million in premiums and covering $2.94 billion in property value. Since joining the NFIP, 11,218 flood claims have been paid, totaling about $298.3 million in payouts.

For more information about flood insurance, property owners and potential buyers should contact their local insurance agent or call the National Flood Insurance Program's toll-free information line at 1-800-427-4661.

Baldwin County Commission

COMMUNITY RATING SYSTEM

DIRECT CONTACT LOCATION:

Building Inspection Department

201 East Section Ave. | Foley, AL 36535

Phone: 251.972.6837

Email: Corey.Flowers@baldwincountyal.gov

PROGRAM COORDINATED IN PARTNERSHIP WITH:

Baldwin County Highway Department

22070 Highway 59 | Robertsdale, AL 36567

Phone: 251.937.0278

Baldwin County Planning & Zoning Department

22251 Palmer Street | Robertsdale, AL 36567

Phone: 251.580.1655

Baldwin County Emergency Management Agency

23100 McAuliffe Drive | Robertsdale, AL 36567

Phone: 251.972.6807

FLOOD INSURANCE: SAVING YOU MONEY, PROTECTING YOUR FUTURE

INFORMATION FOR REAL ESTATE AGENTS, MORTGAGE LENDERS, INSURANCE PROFESSIONALS, AND PROPERTY OWNERS



Protect Your Property – Get Flood Insurance Today

Hurricane season starts June 1st, making it the perfect time to ensure your property is protected. Flooding can occur anywhere, even in low-risk areas, and homeowners insurance won't cover flood damage. Baldwin County residents are eligible for affordable, federally-backed flood insurance through the NFIP (except in COBRA areas).

Remember, policies typically have a 30-day waiting period. Contact your insurance agent today to secure coverage before the next storm.

Know Your Flood Hazard

Flooding can happen anywhere, not just in high-risk areas. Even properties outside Special Flood Hazard Areas (SFHAs) are susceptible to flood damage. To understand your specific flood risk, check your Flood Insurance Rate Map (FIRM) for accurate information. Knowing your flood risk is the first step in protecting your property and ensuring your home and belongings are safe. Call us if you need help finding your FIRM.

Protect Your Property from Flood Damage

Floodproofing your property helps reduce potential damage. Elevating structures, installing berms or floodwalls, and retrofitting your property can minimize floodwaters' impact. These measures protect your investment and improve your property's resilience.



Build Responsibly to Reduce Flood Risk

When building or renovating, consider elevating your structure or adding flood-resistant measures like berms, floodwalls, or regarding. Baldwin County promotes responsible building practices that help protect properties from flooding.

Support Natural Floodplain Protection

Preserving wetlands and floodplains helps reduce flood risk by absorbing floodwaters and slowing their flow. Support efforts to protect these natural flood control systems to minimize damage and safeguard the community.

Protect Yourself and Your Family

Flood insurance provides financial protection for your property and belongings, aiding recovery after a flood. Combining floodproofing with insurance ensures the safety of your home and loved ones, offering security during flood events.

Programa Del Sistema De Clasificación Comunitaria (CRS)

El Condado de Baldwin ha participado en el Sistema de Clasificación Comunitaria (CRS) del Programa Nacional de Seguro contra Inundaciones (NFIP) desde 1994. El CRS recompensa a las comunidades que implementan estándares de gestión de llanuras aluviales más allá de los requisitos mínimos del NFIP, brindando a los residentes descuentos en las primas del seguro contra inundaciones. Actualmente, el Condado de Baldwin tiene una clasificación CRS de Clase 7, que ofrece un descuento del 15% en las primas del seguro contra inundaciones. Estos ahorros ayudan a fortalecer la resiliencia de la comunidad ante inundaciones y a mantener el dinero dentro de la economía local.

A partir de 2025, el Condado de Baldwin cuenta con 11,169 pólizas de seguro contra inundaciones activas, generando $6.94 millones en primas y cubriendo $2.94 mil millones en valor de propiedad. Desde que se unió al NFIP, se han pagado 11,218 reclamaciones por inundaciones, totalizando aproximadamente $298.3 millones en pagos.

Para obtener más información sobre el seguro contra inundaciones, los propietarios y posibles compradores deben comunicarse con su agente de seguros local o llamar a la línea gratuita de información del Programa Nacional de Seguro contra Inundaciones al 1-800-427-4661.

Comisión del Condado de Baldwin

SISTEMA DE CALIFICACIÓN COMUNITARIA

CONTACTO DIRECTO UBICACIÓN:

Departamento de Inspección de Edificios

201 East Section Ave. | Foley, AL 36535

Teléfono: 251.972.6837

Correo electrónico:

Corey.Flowers@baldwincountyal.gov

PROGRAMA COORDINADO EN ASOCIACIÓN CON:

Departamento de Carreteras del Condado de Baldwin

22070 Highway 59 | Robertsdale, AL 36567

Teléfono: 251.937.0278

Departamento de Planificación y Zonificación del Condado de Baldwin

22251 Palmer Street | Robertsdale, AL 36567

Teléfono: 251.580.1655

Agencia de Gestión de Emergencias del Condado de Baldwin

23100 McAuliffe Drive | Robertsdale, AL 36567

Teléfono: 251.972.6807

SEGURO CONTRA INUNDACIONES: AHORRE DINERO, PROTEJA SU FUTURO

INFORMACIÓN PARA AGENTES INMOBILIARIOS, PRESTAMISTAS HIPOTECARIOS, PROFESIONALES DE SEGUROS Y PROPIETARIOS DE VIVIENDAS.



Proteja Su Propiedad – Obtenga Un Seguro Contra Inundaciones Hoy

La temporada de huracanes comienza el 1 de junio, lo que lo convierte en el momento perfecto para asegurarse de que su propiedad esté protegida. Las inundaciones pueden ocurrir en cualquier lugar, incluso en áreas de bajo riesgo, y el seguro de propietarios de viviendas no cubre los daños por inundaciones. Los residentes del Condado de Baldwin son elegibles para un seguro contra inundaciones asequible y respaldado por el gobierno federal a través del NFIP (excepto en las áreas COBRA).

Recuerde que las pólizas suelen tener un período de espera de 30 días. Comuníquese con su agente de seguros hoy mismo para obtener cobertura antes de la próxima tormenta.

Conozca Su Riesgo De Inundación

Las inundaciones pueden ocurrir en cualquier lugar, no solo en áreas de alto riesgo. Incluso las propiedades fuera de las áreas especiales de peligro de inundación (SFHA, por sus siglas en inglés) son susceptibles a daños por inundación. Para comprender su riesgo específico de inundación, consulte su Mapa de Tarifas de Seguro contra Inundaciones (FIRM) para obtener información precisa.

Proteja su propiedad contra daños por inundaciones

La protección contra inundaciones de su propiedad ayuda a reducir posibles daños. Elevar estructuras, instalar bermas o muros de contención y realizar mejoras en su propiedad pueden minimizar el impacto de las aguas de inundación. Estas medidas protegen su inversión y mejoran la resiliencia de su propiedad.



Construya De Manera Responsable Para Reducir El Riesgo De Inundación

Al construir o renovar, considere elevar su estructura o agregar medidas resistentes a las inundaciones como bermas, muros de contención o nivelación del terreno. El Condado de Baldwin promueve prácticas de construcción responsables que ayudan a proteger las propiedades contra inundaciones.

Apoye La Protección Natural De Las Llanuras Aluviales

La preservación de los humedales y las llanuras aluviales ayuda a reducir el riesgo de inundación al absorber las aguas de crecida y ralentizar su flujo. Apoye los esfuerzos para proteger estos sistemas naturales de control de inundaciones para minimizar los daños y salvaguardar la comunidad.

Protéjase a usted y a su familia

El seguro contra inundaciones brinda protección financiera para su propiedad y pertenencias, facilitando la recuperación después de una inundación. Combinar medidas de protección contra inundaciones con un seguro garantiza la seguridad de su hogar y seres queridos, brindando tranquilidad durante eventos de inundación.

Table 9-6 Baldwin County Phase II MS4
MCM 5 Pollution/Good Housekeeping Strategies and Goals

NPDES Permit Section	SWMPP Section	9-Pollution Prevention/Good Housekeeping Strategies	Goal	Pollution Targeted	Responsible Departments
Part III-5d	*9.4*	*Program Evaluation*	*Throughout the permit cycle, review the PP/Good Housekeeping minimum control measure strategies and goals achieved and prepare an annual report and update the SWMPP*	*All*	*P&Z*

2025/2026	**Evaluation Comment:**
	The PP/GH Minimum Control Measure strategies
	and goals have been achieved and tracked in the
	Annual Report's Spreadsheets. Proposed updates will
	be detailed in the MCM Evaluation Summary.