
Baldwin County Commission

322 Courthouse Square
Bay Minette, Alabama 36507



Municipal Separate Storm Sewer System (MS4) Annual Report

NPDES Permit No. ALR040042

May 31, 2022

Reporting Period
1 April 2021 to 31 March 2022

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1. General Information

1.1. 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.

Matthew Brown

Name

Planning & Zoning Director

Title


Signature

MAY 26, 2022
Date

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

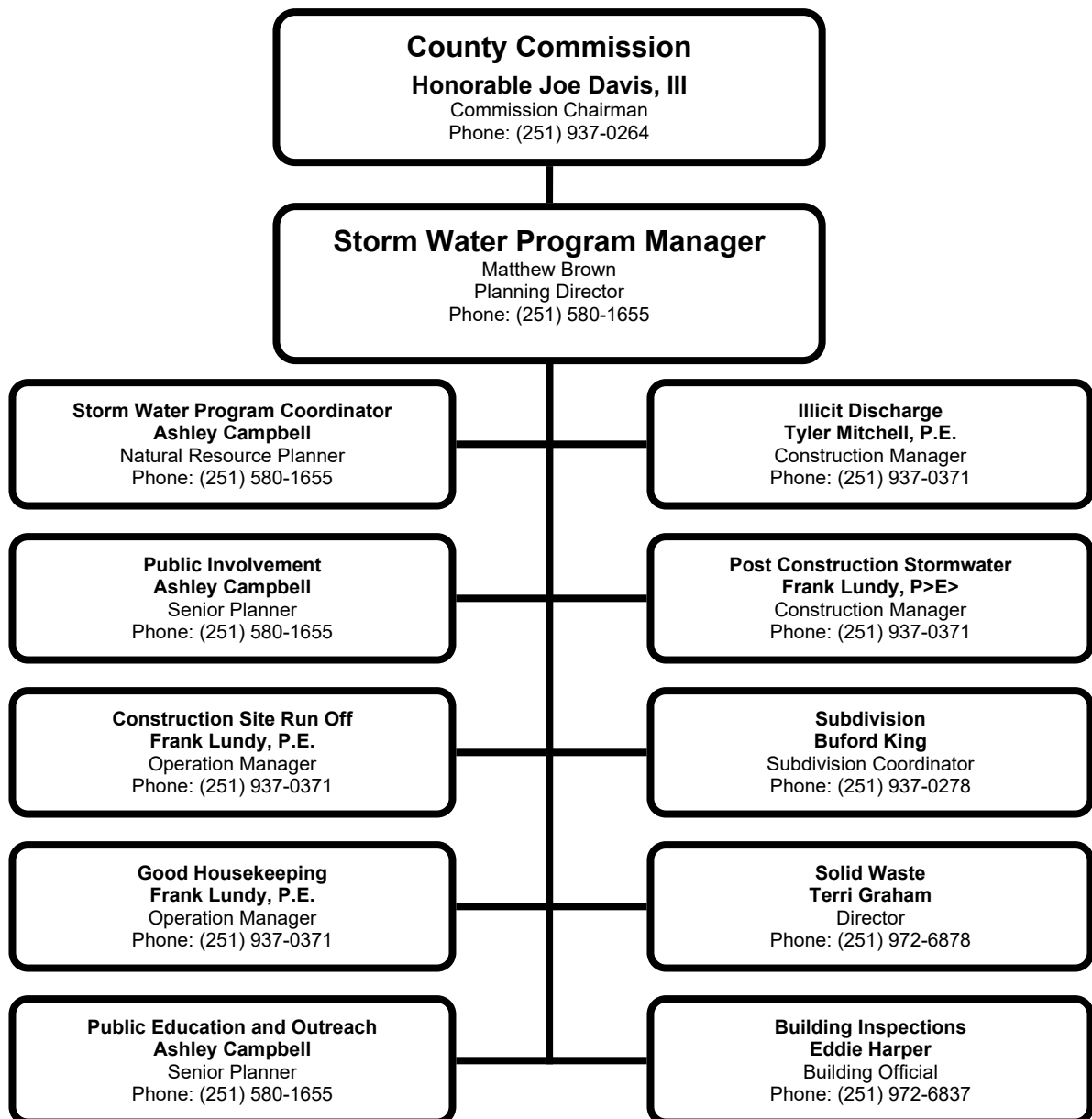
Phone: (251) 937-0264

Fax: (251) 580-2500

1.2. List of Contacts

Contacts and responsible parties (e.g. agency, name, phone number) that had input to and are responsible for the preparation of this annual report are summarized in Table 1-1. Various County Staff and departments contributed materials and data for incorporation into this annual report.

**Figure 1-1
SWMP Organizational Chart**



Any questions concerning Baldwin County's Municipal Separate Storm Sewer System (MS4) Annual Report should be directed to Mrs. Ashley Campbell, Natural Resource Planner.

1.3. Overview and Summary

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 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) for storm water discharges associated with the Baldwin County MS4.

In June 2012, Baldwin County updated its Storm Water Management Program (SWMP) plan to address changes to the minimum control measures in Part III of the MS4 NPDES General Permit that include:

1. Public Education and Outreach on Storm Water Impacts;
2. Public Involvement / Participation
3. Illicit Discharge Detection and Elimination (IDDE);
4. Construction Site Storm Water Runoff Control;
5. Post-Construction Storm Water Management in New Development and Re-development; and,

6. Pollution Prevention / Good Housekeeping for Municipal Operations.

Baldwin County's SWMP is a MS4 specific comprehensive program developed to reduce the discharge of pollutants from the small MS4 to the Maximum Extent Practicable (MEP) to protect water quality and to satisfy the appropriate water quality requirements of the Clean Water Act.

This annual report summarizes the County's efforts for the reporting period from April 1, 2021, through March 31, 2022, to comply with the MS4 NPDES General Permit; the above listed six program elements, and requirements to the MEP.

1.4. MS4 Area

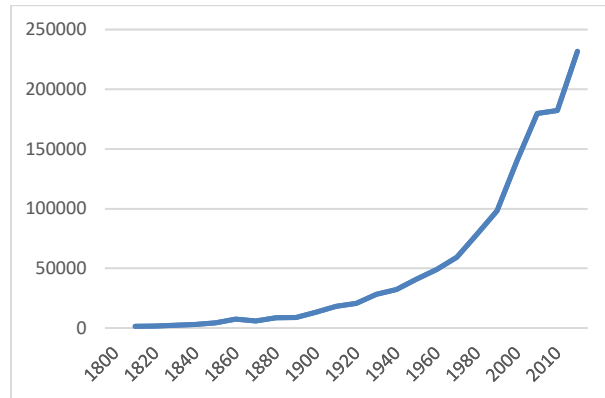
Baldwin County is located in southwest Alabama and borders Mobile Bay and the Gulf of Mexico. The County occupies approximately 2,026.93 square miles that consist of approximately 1,596.35 square miles of land and 430.58 square miles of water. Metropolitan areas located within Baldwin County are listed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

**Table 1-1
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 1-2 provides a graph showing the historical population of Baldwin County since 1900.

**Figure 1-2
Historical Population**



According to the 2010 Census, the population of Baldwin County is 182,265. As compared to the population in 2000, Baldwin County has experienced a population increase of 41,850 (approximately 29.8%) over the past 10 years.

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 storm water 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 1-3.

Incorporated areas located within the MS4 Area include Daphne, Fairhope, and Spanish Fort.

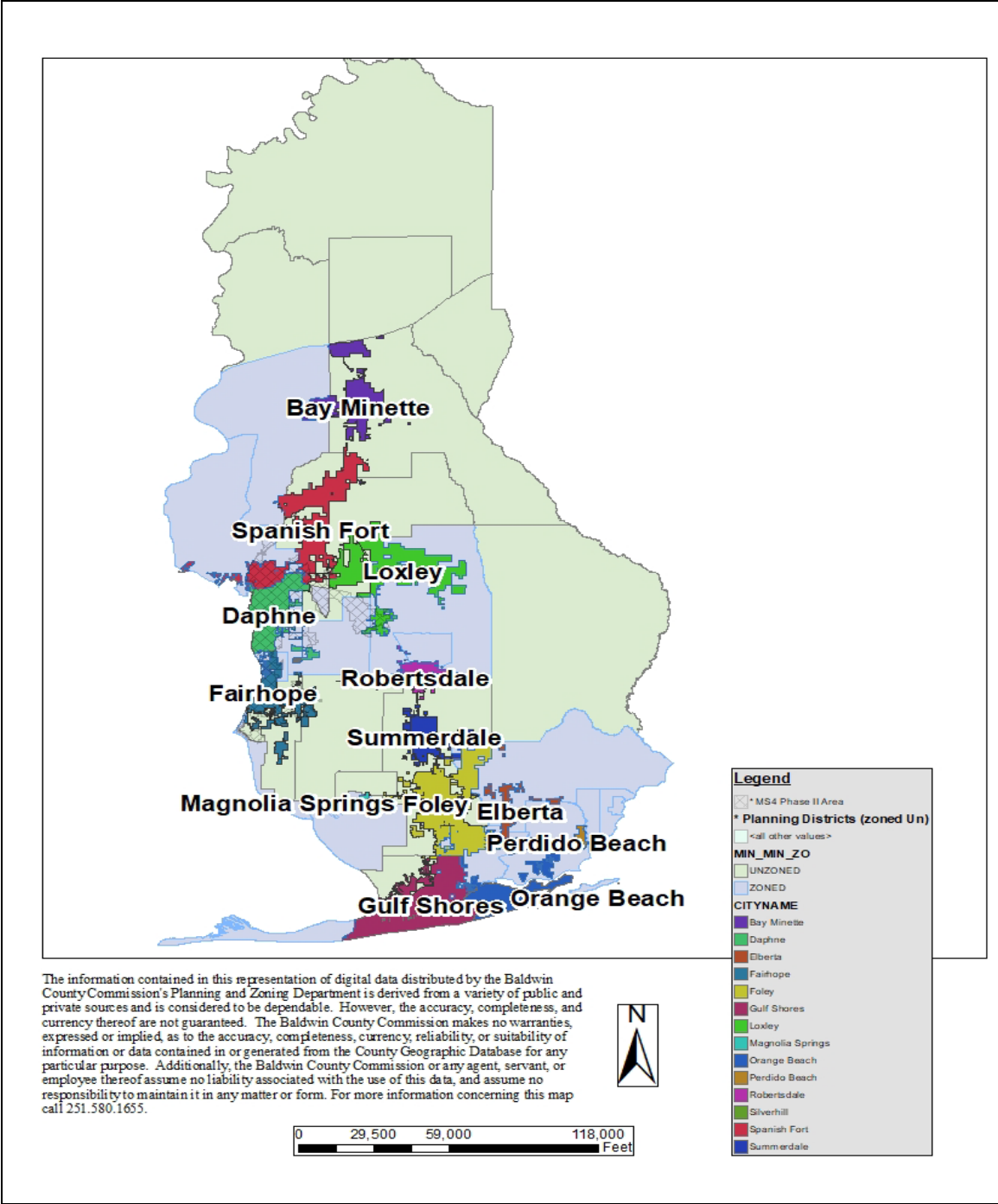
Table 1-2 provides a breakdown of the MS4 Area by permittee.

**Table 1-2
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 1-3
Baldwin County Urbanized MS4 Area**



Unincorporated areas of Baldwin County located within the Daphne-Fairhope Urbanized Area occupies approximately 22.64 square miles.

Baldwin County’s MS4 Area expands across eight (8) watersheds that have a 12-digit Hydrologic Unit Code (HUC 12). The areas of Baldwin County’s MS4 Area located within each HUC 12 watersheds are summarized in Table 1-3 and shown in Figure 1-4.

**Table 1-3
Baldwin County MS4 Area Watersheds**

HUC-12 Watershed	MS4 Area	
	Area (mi ²)	Area (%)
Upper Fish River	11.286	49.9
Fly Creek	3.746	16.5
Lower Bay Minette Creek	2.600	11.5
Lower Fish River	2.361	10.4
Tensaw River – Apalachee River	1.654	7.3
Yancey Branch	0.467	2.1
Middle Fish River	0.407	1.8
Perone Branch	0.123	0.5
Total	22.644	100.0

The majority (approximately 62.6%) of the Baldwin County’s MS4 area is located within the Fish River watershed.

1.4.1. Known Problems (303(d) Listed Streams)

According to ADEM’s 303(d) list dated April 2010, there are seven (7) 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 1-4 and shown in Figure 1-5.

**Table 1-4
2010 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
Joel's Branch 2020 Delisted	Tensaw River Apalachee River	Fish & Wildlife	Siltation Habitat Alteration	Land Development
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	Fish River	Swimming, Fish & Wildlife	Metals (Mercury)	Atmospheric Deposition
			Pathogens	Pasture Grazing
Turkey Branch	Mobile/Fish River	Swimming, Fish & Wildlife	Pathogens	Pasture Grazing
			Metals (Mercury)	Atmospheric Deposition

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 should not be a contributor to the impairment on Bay Minette Creek.

Joe's Branch, 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 amount of residential or commercial.

In 2020, Joe's Branch was removed from the 303(d) list. Joe's Branch underwent a restoration effort that spanned six years, from 2012 until 2018, with restoration of five discrete stream reaches (totaling 4,000 linear feet) and flood plains (totaling 25 acres) and construction or repair of two detention ponds. Post-restoration monitoring of Joes Branch revealed sediment load reductions by a whopping 90-95% which led to the 303(d) list delisting. The Mobile Bay National Estuary Program partnered with, the cities of Daphne and Spanish Fort, the Baldwin County Commission, ADEM, the Alabama Department of Transportation, the Natural Resource Conservation Service, and many others in achieving this task.

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.

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

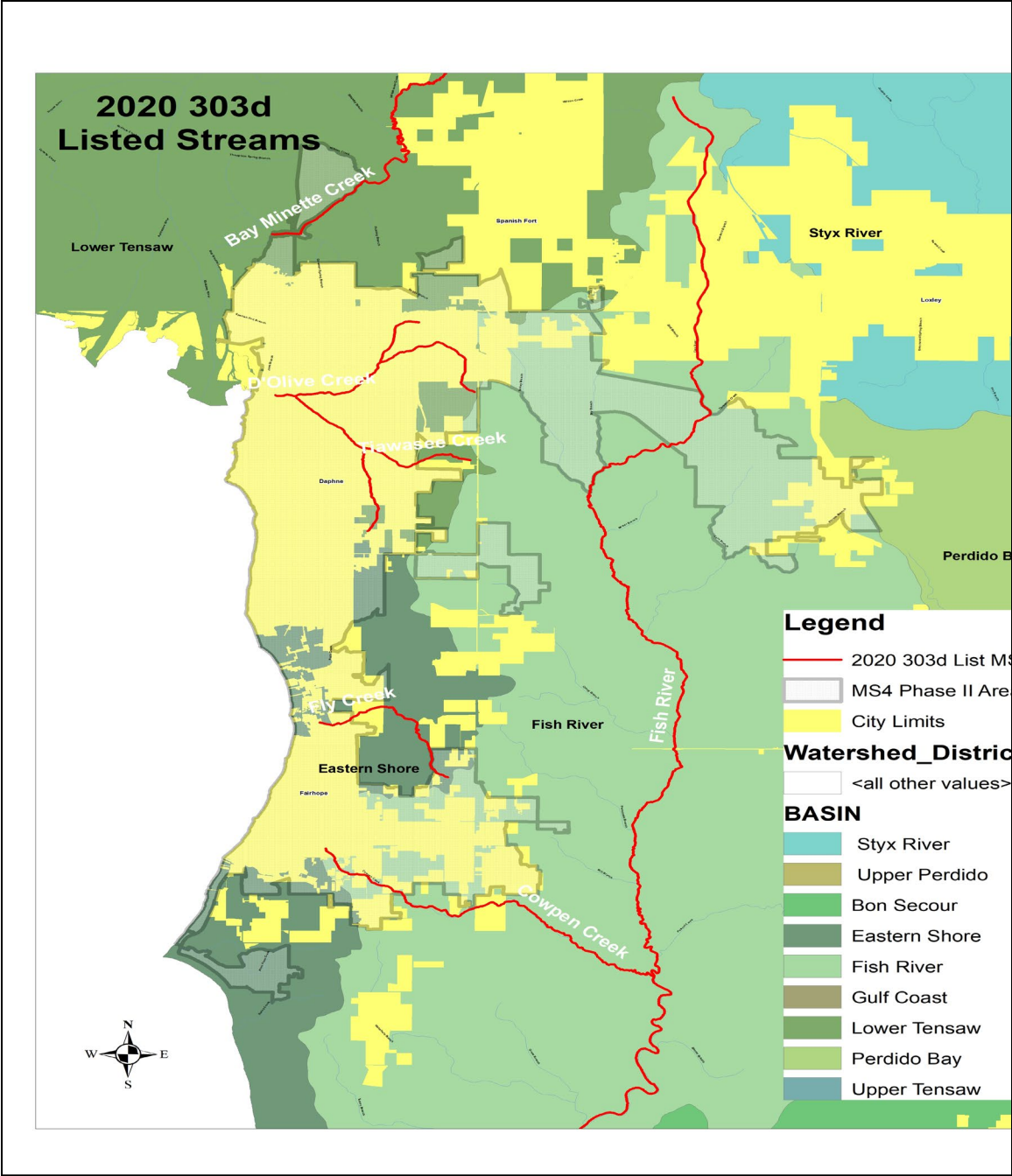
Cowpen Creek is listed on the 303(d) list as impaired for metals (mercury). The source of this pollutant is identified as atmospheric. Due to the type of land uses located within this watershed, Baldwin County's MS4 should not be a contributor to the impairment on Cowpen Creek. Figure 1-5 shows the drainage basin, 303(d) listed streams and the areas of the County's MS4 Area.

ADEM has included Fish River on the 303(d) list as impaired for metals (mercury). The source of this pollutant is 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.

ADEM has included Turkey Branch on the 303(d) list as impaired for metals (mercury). The source of this pollutant is 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 Turkey Branch.

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

**Figure 1-5
Baldwin County Impaired Streams**



2. Program Evaluation

2.1. Program Objectives

The primary objective of the SWMP is to effectively prohibit the discharge of non-storm water discharges into the MS4 and reduce the discharge of pollutants from the MS4 to the MEP. Baldwin County has implemented, maintained and revised the SWMP as necessary to comply with the requirements of the NPDES permit.

Baldwin County has made significant progress over the past year in implementing its SWMP. Major accomplishments for each Minimum Control Measure are summarized in the following sections.

2.2. Public Education and Outreach

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.

Baldwin County has utilized several media outlets to accomplish these goals.

2.2.1. Local Partnerships

Baldwin County's leadership and staff have been actively involved with environmental and citizen organizations located throughout the County. Previous and current activities include:

- Mobile Bay National Estuary Program;
- Pensacola & Perdido Bay Estuary Program
- Bon Secour Watershed
- Weeks Bay Watershed Project;
- Wolf Bay Watershed Watch; and,
- D'Olive Watershed Project.
- Eastern Shore/Fly Creek Watershed Study

To capitalize on education materials and programs that have been developed, Baldwin County has formed partnerships with several state and local organizations including:

- Alabama Department of Environmental Management;
- Alabama Coastal Foundation;
- Alabama Cooperative Extension System;
- Alabama Water Watch;
- City of Daphne;
- City of Fairhope;
- City of Spanish Fort;
- City of Foley;
- City of Robertsdale;
- Town of Magnolia Springs;
- Town of Silverhill;
- Town of Summerdale;
- Town of Loxley;
- Town of Perdido Beach;
- People Against a Littered State;
- Eastern Shore Metropolitan Planning Organization;
- Alabama Soil and Water Conservation District;
- Coastal Alabama Partnership;
- Baldwin County Hazard Mitigation Planning Committee
- Pensacola-Perdido Bay Estuary Program; and
- Baldwin County Environmental Advisory Committee

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.

2.2.2. Brochures

Baldwin County has developed several brochures for a variety of audiences and a variety of topics. Currently, most of the brochures are directed towards developers, contractors, and other professionals pertaining to planning, zoning, and construction. Copies of the brochures are available at the Baldwin County Courthouse in Bay Minette and Satellite Courthouses in Foley and Fairhope. Copies of brochures are provided in Appendix A.

2.2.3. Website

The internet provides a very accessible mechanism for making information and data available to residents. The County has developed and maintains a website (<http://www.baldwincounty.al.gov>) that provides some general information regarding the County's services. Some topics currently presented on the website include the following:

- Contact Us
 - Contact information for all Departments
 - Contact Our Citizen Service Center
- Highway Department
 - Department Information
 - County Maintained Roadways
 - Subdivision Regulations
 - Watershed Studies
 - Permit/Subdivision Forms
- Solid Waste Department
 - Department Information
 - Solid Waste Garbage Collection
 - Landfills
 - Solid Waste Recycling Services
- Planning & Zoning Department
 - Department Information
 - Zoning Ordinances
 - Forms & Applications
 - CRS Flood Insurance Program
 - Stormwater Information

The County has coordinated with its CIS department and has dedicated a specific section of its Planning and Zoning Department web site to the MS4 Program and storm water related information.

2.2.4. Workshops

Workshops are useful in educating a specific target audience about a specific topic or issue. Capitalizing on existing training programs, the County is working 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 has evaluated and identified workshops that will be beneficial to County staff, professionals and development community. County staff attended Low Impact Development (LID) workshops during previous cycles.
- Weeks Bay Stakeholders Workshops – Attended by constituent groups to provide input into the development of a Weeks Bay Watershed Management Plan. The final plan was submitted during November of 2017.
- Planning & Zoning Commission Training – County Planning and Zoning staff, Planning Commission members and one County Commissioner attended a workshop entitled Improving the Planning and Development Process.

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.

2.2.5. Training

The County is proactive in identifying and participating in educational opportunities that help to expand the knowledge and capabilities of its staff. County Staff has participated in the following:

- ACCA Annual Conference
- ACEA Fall County Engineers Meeting
- ALDOT Bridge Inspection Refresher Course
- Annual Transportation Conference
- ALDOT Guidelines for Grading County Roads
- QCI Training Program
- Evaluating the Role of Headwater Wetlands for Coastal Water Quality
- *Rain Check, IDDE Grate Concern and Ground Control Training Programs*
- Certified Alabama Planning and Zoning Official (CAPZO) Training
- Community Rating System (CRS) Webinars
- GIS of Alabama Conference
- Preparing for Change: Building Resilient Coastal Communities
- Alabama Association of Floodplain Managers Conferences

- South Alabama Flood Engagement Team (SAFE-T) Training

A summary of educational activities completed by County Staff is provided in Appendix A.

2.3. Public Involvement / Participation

The County has participated in and supported public involvement opportunities for staff members and residents through numerous activities. Past and present public involvement and participation activities have included:

- Baldwin County Water Festival;
- Delta Woods and Waters Expo;
- Earth Day;
- Master Environment Education Program;
- Litter Abatement Programs;
- Public Involvement Opportunities

2.3.1. Baldwin County Preparedness Expo

The Baldwin County Preparedness Expo is a free, public event designed to connect residents and business owners with local resources intended to educate and promote preparedness and planning for emergencies and disasters. The event is sponsored by the Baldwin County Emergency Management Agency. The agency works collaboratively with municipal partners to host a county-wide event to allow citizens an opportunity to become knowledgeable on hazards and threats which may impact our area. The Expo includes private, public sector and volunteer organizations which possess a vital role in disaster planning, response and mitigations efforts.

Due to Covid, the Baldwin County Preparedness Expo was not scheduled for this permit reporting period.

2.3.2. Delta Woods and Waters Expo

The Delta Woods and Waters Expo 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.

Due to Covid, the Delta Woods & Water Expo was cancelled this permit reporting period.

2.3.3. Earth Day

Earth Day is an annual celebration during which worldwide events are held for 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.” Due to Covid, the Earth Day was cancelled this permit reporting period.

2.3.4. Master Environmental Educator

County employees have participated in the Alabama Cooperative Extension Service’s Master Environmental Educator (MEE) program. 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;
- Backyard Wildlife Habitat;
- Energy;
- Groundwater Pollution;
- Invasive Plant Species;
- Storm Water;
- Recycling; and,
- Citizen Science-Alabama Water Watch
- The Water Cycle.

Volunteers throughout Baldwin County participate in an intensive two-day 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 Planning and Zoning Department includes a link to this program on its Stormwater Page. In addition, the Baldwin County Commission provides budget support to the Cooperative Extension Service. County staff volunteered for over 20 hours during this permit cycle. 2021 MEE Program statistics and volunteer forms can be found in Appendix A

2.3.5. Litter 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;
- Annual Christmas Tree Recycling Program and,
- Baldwin County Clean Sweep.

The County currently has a link 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. The 2021 Alabama Coastal Cleanup was held in Baldwin County on September 18, 2021.

The Christmas Tree Recycling Program is an annual activity conducted by the Baldwin County Commission – Solid Waste Department which allows the citizens of Baldwin County at no charge. Christmas trees which are collected not only conserve landfill space but also contribute material to the compost program. Compost created from vegetative materials is available for sale. During the current reporting cycle, the Christmas Tree Recycling Program was held from December 26, 2021, through January 10, 2022.

Baldwin County Clean Sweep is an activity approved by the Baldwin County Commission which provides county residents a free day to discard any unwanted debris and waste. The events encourage the proper disposal of waste in Baldwin County and discourage illegal dumping and piling of debris on roadways. Baldwin County held a Spring Clean Up on March 24, 2021. The Spring Clean up flyer can be found in Appendix A.

2.3.6. Recycling

The County's Solid Waste Department has established 27 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.

2.3.7. Baldwin County Citizen Service Center

The County has a Citizen Service Center to receive complaints from its residents. Depending upon the type of complaint, the Citizen Service Center will route information to the appropriate department for evaluation and response. A centralized center has been established at the Baldwin County Emergency Operations Center in Robertsdale. Telephone contact information is listed as follows:

(251) 937-9561: North Baldwin County
(251) 943-5061: South Baldwin County
(251) 928-3002: Eastern Shore of Baldwin County

The Baldwin County Commission strives to provide citizens with the best customer service possible. Citizen Service Center information is provided on the County website.

2.3.8. 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.

2.3.9. 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, and DVDs of these meetings may be obtained from the Baldwin County Archives Department. Public hearing items are advertised through certified mail and through notices in the newspapers of general circulation within Baldwin County, depending on legal requirements.

Commission Work Sessions are typically held during the weeks prior to the regular County Commission meetings. Although no votes are taken, the work sessions are open to the public and serve as an additional opportunity for outreach. The work sessions also provide an opportunity where presentations can be made to the County Commission.

Agendas and minutes for the County Commission Meetings may be found at <http://openmeetings.baldwincountyal.gov>.

2.3.10. 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, subdivisions and highway construction setback appeals. As of March 7, 2019, Planning Commission meetings are now live streamed with archived videos found on the County website.

Agendas and minutes for the Planning Commission Meetings may be found at <http://openmeetings.baldwincountyal.gov>.

2.3.11. Baldwin County Boards of Adjustment Meetings

Baldwin County has four Boards of Adjustment which were created to consider variances, special exceptions and administrative appeals for the Planning (Zoning) Districts which have voted their desire to come under the Planning and Zoning authority of the Baldwin County Commission. The Boards hold public meetings on at least a quarterly basis, with the jurisdiction for each Board roughly

corresponding to the County Commission district in which it is located. Issues considered by the Boards (primarily the Commission District 2 Board) are often found in the MS4 area. In addition, the Board meeting serve as a potential venue for public involvement and participation activities.

Agendas and minutes for the Boards of Adjustment may be found at <http://openmeetings.baldwincountyal.gov>.

2.3.12. Baldwin County Master Plan - 2013

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 relevant to the MS4 permit in that it includes the enabling legislation for Planning and Zoning authority in Baldwin County.

The Master 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. Regarding 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 unzoned 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.

When the plan was forwarded the County Commission, the first public hearing was held 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 public hearings were advertised in the newspapers of general circulation within the County, and a draft copy of the plan was put on the County's website for review. Social media was also used as an advertising tool. The Commission meetings were televised as described above. Three citizens addressed the County Commission during the final public hearing on the Master Plan adoption.

The Master Plan may be found at the Planning and Zoning Department section of the County website. In May of 2021, the County started the Request for (RFP) Proposal's process for its new master plan. The County has held public meetings for the Master Plan on January 24, March 16, and March 17, 2022. The public meeting announcements can be found in Appendix A and online <http://openmeetings.baldwincountyal.gov>.

2.4. Illicit Discharge Detection and Elimination

The County has developed and implemented an Illicit Discharge Detection and Elimination Program in accordance with the SWMP Plan. The County has been divided into eight (8) watersheds which correspond to major drainage basins located within the County's MS4 area.

An Outfall Reconnaissance Inventory was conducted in order to locate and record basic characteristics of each outfall. During this process, each outfall was screened for the presence of illicit discharge(s). The County's outfall reconnaissance inventory was initially summarized in the 2014-2015 annual report.

2.4.1. Outfalls Screened

As the County updates the outfall inventory, the breakdown of major and minor outfalls by sub-basin will be updated and a map shall be developed. According to the SWMP Plan, beginning April 2017, the County completed the screening of all known major outfalls within a five (5) year period last year in March of 2021.

**Table 2-1
Outfalls Screened by Basin**

Basin	Total Outfalls	Major Outfalls	Minor Outfalls
Blackwater River	0	-	-
Fish River	10	-	-
Fly Creek	9	-	-
Lower Bay Minette Creek	0	-	-
Lower Tensaw River	3	-	-
Mobile Bay	0	-	-
Perone Branch	0	-	-
Yancey Branch	0	-	-
Totals	22		

An overview of how the outfall reconnaissance inventory is provided in Appendix B.

2.4.2. 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 will notify the Storm Water Program Coordinator. The Storm Water Program Coordinator will 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.

2.4.3. Sanitary Sewer System

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

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

When the County observes any problems with sanitary sewer systems, the County reports the problem to the appropriate jurisdiction over system.

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

2.4.4. 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.

2.4.5. Standard Operating Procedures

The County has developed Standard Operating Procedures (SOPs) for the various activities required for implementing the Illicit Discharge Detection and Elimination Program. SOPs 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.

SOPs are included in Appendix B.

2.5. Construction Site Storm Water Runoff Control

Baldwin County has developed and continuously implemented a Construction Site Runoff Program to monitor and control pollutants in stormwater 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 13.13.10 of the *Baldwin County Zoning Ordinance*.

2.5.1. Requirements and Control Measures

The County's Construction Site Runoff Program requires 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).

2.5.2. Permitting, Plan Review, Construction Site Inventory and Inspections

The County has developed SOPs and check list to assist with the implementation of its Construction Site Storm Water Runoff Control Program. Documents include the following:

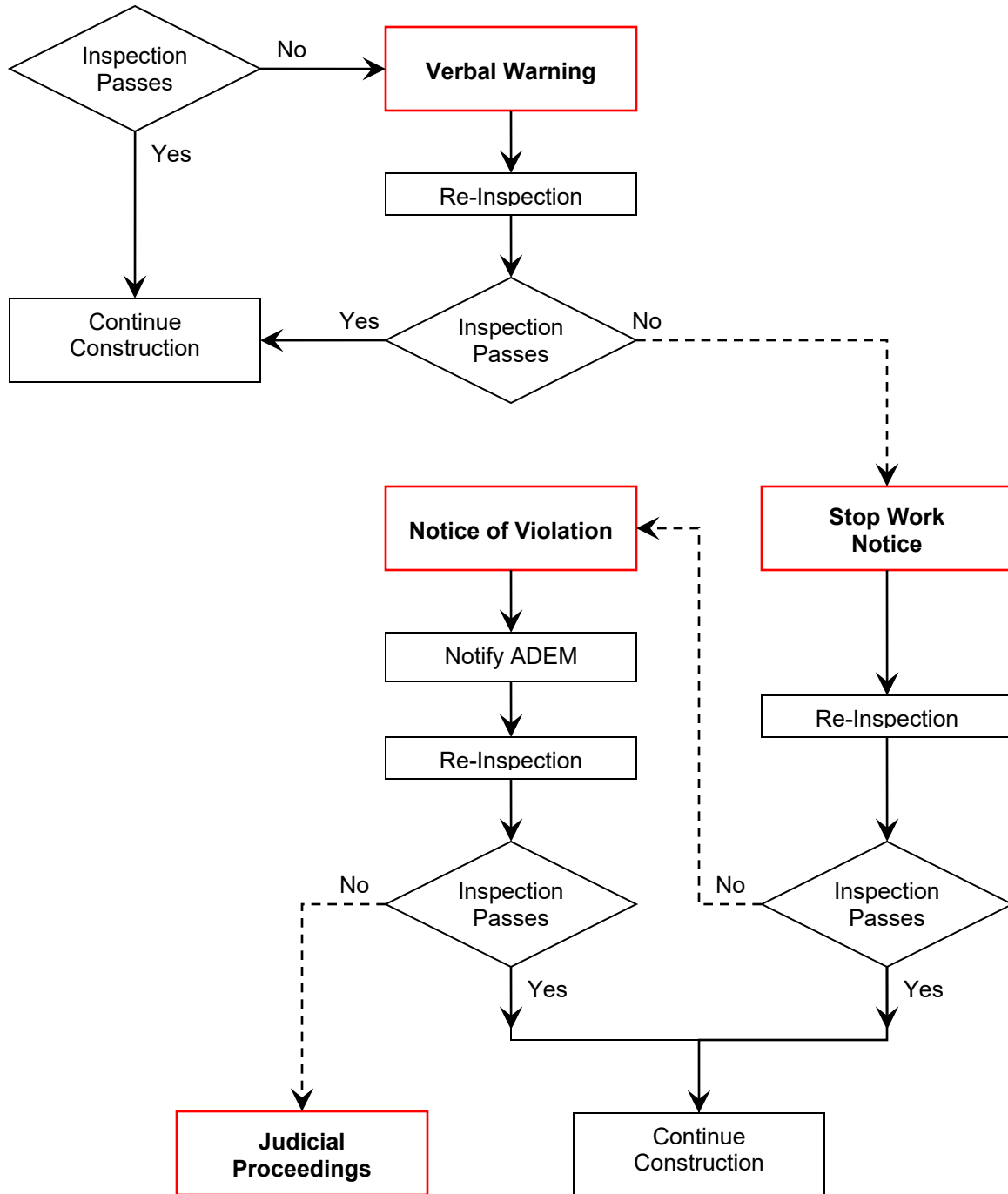
- Land Disturbance Permitting and Plan Review
- Construction Site Inventory
- Construction Site Inspections

The 2021-2022 totals for Site Plan approvals and Land Disturbance permits that were issued in the MS4 area, are included in Appendix C.

2.5.3. Enforcement

The Erosion Control section of the zoning ordinance provides the Code Enforcement Officer 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 2-1. An example of an enforcement case is included in Appendix C.

**Figure 2-1
Enforcement Action Flow Chart**



2.5.3. Training

The Planning and Zoning Department and Highway Department have been tasked with the responsibility of implementing the Construction Site Runoff Program. Baldwin County's inspectors are certified as Qualified Credentialed Inspectors (QCI). County staff attend a four (4) hour refresher training course provided by ALDOT. This training seminar is available to county and municipal staff. Additionally, Thompson Engineering provides a QCI initial eight (8) hour and refresher four (4) hour classes which are available to county, municipal, contractors, engineers and anyone else needing the obtain a QCI certification. Documentation of QCI trained inspectors is provided in Appendix C & E.

2.6. Post-Construction Storm Water Management

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. The County is in the process of evaluating and identifying BMPs that are suitable for this area and are within the County's regulatory control.

2.6.1. Low Impact Development

Where feasible, the County has encouraged developers to utilize Low Impact Development (LID) and/or green infrastructure BMPs to minimize the post construction impacts of storm water runoff. The County will continue to evaluate and identify the most appropriate LID BMPs.

2.6.2. 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 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 are 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 already contain a provision to address the quantity of post developed storm water runoff.

During this permit cycle, the County updated its subdivision regulations to include thirty-foot (30') wetland building setback with a fifteen-foot non-disturbed buffer and thirty-foot (30') foot non-disturbed stream buffers.

The updated versions of the Baldwin County Zoning and Subdivision Ordinance can be found at [Baldwin County \(baldwincountyga.gov\)](https://www.baldwincountyga.gov/).

2.6.3. Conservation Development

The County has developed regulations and requirements for a Conservation Development. The purpose of a Conservation Development is to provide a development option that permits flexibility of design 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;
- Preserve prime agricultural and forest lands and reduce the economic pressures of converting such land to urbanized uses.

Regulation governing Conservation Developments are contained in Article 11 of the Zoning Ordinance. The Baldwin County Zoning Ordinance can be found at [Zoning Ordinances \(baldwincountyal.gov\)](http://www.baldwincountyal.gov/zoning).

2.6.4. Post Construction BMPs

As the County's post construction storm water management program develops, the County will evaluate and identify the most appropriate BMPs. A design rainfall event with an intensity up to a 2-year, 24-hour storm event shall be the basis for the design and implementation of post-construction water quality BMPs.

2.6.5. Operation and Maintenance

For post developed BMPs to be effective, routine maintenance of the BMP will be required. The County is in the process of evaluating mechanisms that can be utilized to ensure proper maintenance of the BMPs.

2.6.6. Tracking System

As post development BMPs are implemented, the County is in the process of developing a tracking and inspection system to ensure that BMPs continue to function properly.

2.6.7. Training

Several Departments aid in implementing the County's Post Construction Storm Water Management program including the Highway Department, Building Inspection Department and Planning and Zoning Department. The County is continually evaluating potential training programs, activities and/or materials which can be used to educate the County's staff in storm water related issues.

2.7. Pollution Prevention / Good Housekeeping

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.

2.7.1. Facility Inventory

The County has assessed its inventory of County facilities and areas that have a potential to interact with storm water runoff with the goal of a completed facility inventory map which will aid the County in identifying the facilities location with respect to water bodies. A comprehensive list and map of County facilities will help county employees build a better awareness of their locations within the MS4 and their potential to contribute pollutants in storm water runoff. Baldwin County has two (2) facilities located in the Fairhope MS4 area, but none within the County MS4 area.

2.7.2. Facility Assessments

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 will involve a detailed site inspection to identify improperly stored materials, activities that should not be performed outside, and poor housekeeping practices.

2.7.3. 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 consist 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 stormwater either underneath the road or along the road. Storm sewer systems are typically located within residential developments.

A summary of the storm sewer system components located within the County’s MS4 area is presented in Table 2-2 and Table 2-3

**Table 2-2
Storm Sewer 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		

**Table 2-3
Storm Sewer 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			

A summary of the cross-drain pipes located within the County’s MS4 area is presented in Table 2-4.

**Table 2-4
Cross Drain Pipe Inventory**

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

2.7.3.1. 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 daily that identifies where and what work was completed as well as by whom and the equipment used to complete the work. Maintenance activities can include:

- Structure clean out of leaves, sediment, floatables, and other debris;
- Mowing, clearing, or overhead limb removal 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.

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 period of interest.

Information on activities of the Baldwin County Highway Department is found in Appendix E. A Highway Department Progress Report for Fiscal Year 2021 is also included. This report was presented at a meeting of the Baldwin County Commission which was held on February 17, 2022.

2.7.3.2. Inspections

The County has begun performing an inspection of all structural storm water conveyance structures for this year. 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;
- Percentage of overhead limbs on the roadway.

2.7.4. Roadways

The County has implemented and maintained BMPs to provide a means of mitigating the negative impacts of various pollutants that can be carried off by rainfall and receiving waters.

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. Most roads located within the County's MS4 Area have open grassed drainage swales that parallel both sides of the road.

2.7.4.1. License Agreement

If a landowner(s) seeks 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 the 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. No License Agreements were executed and inspected in the MS4 area during the current reporting period.

2.7.4.2. Road Inspections

The County has begun performing its inspections of all paved and unpaved County roads for its 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.

As 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.
- Routine – Schedule the repairs within the next 5 days

2.7.4.3. Bridge Inspections

Bridges for County roads are typically inspected on a bi-annual basis in accordance with NBIS standards. The most recent inspections are included in Appendix E.

2.7.4.4. 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.

2.7.4.5. Litter Control

Roadside litter control BMPs implemented by the County to address health and aesthetic concerns also improve the quality of stormwater 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 County's Solid Waste Department has four (4) to five (5) dedicated litter crews with one County employee serving as supervisor and two to three inmates serving as laborers. The litter crew produces a daily and weekly report summarizing the areas which were cleared of litter and tracks the amount of waste on a spreadsheet. Examples of the daily and weekly litter reports are provided in Appendix E along with the tons of litter that were collected during the collection period.

The County supports the Adopt-a-Mile 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, seven (6) miles of County roads within the MS4 Area are a part of the Adopt-a-Mile program.

2.7.4.6. 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.

2.7.4.7. 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. There were no deicing activities during the current reporting period.

2.7.5. Training

The County is evaluating and developing 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 procedures.

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 and/or other readily available sources.

2.7.6. 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.

2.7.6.1. 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 7 Building Code Effectiveness Grading Schedule (BCEGS) grade for One & 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 and currently has a Class 7 rating which represents a savings of 15 % for Special Flood Hazard policies and 5 % for standard risk policies.

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
- Stormwater 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.

As a requirement of the CRS Program, Baldwin County must submit an annual recertification report each year and a cycle visit every five (5) years. The next cycle visit will take place on August 2025.

A recent effort related to CRS is the development of a new Flood Hazard Management Plan, which is a requirement of the CRS program. On May 3, 2016, the County Commission authorized the Building Official, the Emergency Management Agency (EMA) Director and the EMA Planning and Grants Coordinator to submit a planning grant application requesting \$25,000.00 in federal share funds, with the 25% cost match being met by local in-kind services, for the creation of an updated floodplain management plan covering the unincorporated areas of Baldwin County. The Floodplain Management Plan Agreement (FMA-PL-04-AL-2016-001) with the U.S. Department of Homeland Security in the amount of \$24,999.99 for the Baldwin County Emergency Management Agency through the Baldwin County Commission, was accepted on June 22, 2017. Wood Environment & Infrastructure Solutions, Inc. was subsequently selected to assist County staff in the development of the revised plan. Work began in early January of 2018.

The previous Flood Hazard Management Plan was adopted in 2000 but had not been updated. The revised plan addresses flood hazards and was developed in

accordance with CRS requirements. It is a single jurisdiction plan which geographically covers only the unincorporated area of Baldwin County. The County must review and revise the plan to reflect changes in development progress and local mitigation efforts and resubmit it for approval within five (5) years to continue to be eligible for mitigation project grant funding. This plan has been prepared to meet this requirement and will enable the County to earn additional points for its flood hazard mitigation efforts with the result being reduced flood insurance rates for the citizens of Baldwin County.

Opportunities for public comment on the updated plan were provided by the posting of the draft plan on the Building Inspection Department web site, and at the January 3, 2019, meeting of the of the Baldwin County Planning and Zoning Commission. The plan was adopted by the Baldwin County Commission on May 21, 2019. Information is included with Appendix E.

2.8 Monitoring Plan

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. Because 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 requested an amendment to its monitoring program, in 2014, due to the fragmented nature of its MS4 area, and due also to the fact that the County is not a contributor to 303(d) listed waters or TMDL streams located within its MS4 area. The County received a Coastal Impact Assistance Grant to help protect wetlands and waterways by stabilizing unpaved roads and ditches. Because of this effort, the County will reduce the amount of sediment that enters streams and waterways. The County has paved approximately 16.42 miles of unpaved roads and stabilized approximately 119.43 acres. Turbidity sampling performed before the work was initiated and after the work was completed showed that paving dirt roads and stabilizing ditches significantly reduced the amount of sediment entering the streams and waterways. Documentation of monitoring for the County's dirt road paving projects has been provided in previous annual reports. No monitoring occurred during this permit period.

3. Summary Tables

Part V.C. of the NPDES permit requires that yearly activities performed by the County be summarized in a report. The purpose of the table is to document in a concise form the program activities, and permittee's compliance status with quantifiable permit requirements. The following tables in this section provide a summary of the Baldwin County's MS4 program activities.

3.1. Public Education and Outreach

Requirement	SWMP Activity Schedule		
	Required	Complied	Accomplished
Local Partnerships	Mobile Bay National Estuary Program Participation	Yes	Provide Support and Participation
	Weeks Bay Watershed Project Participation & Advisory Committee	NA	Provided Support and Participation
	Meet w/ Spanish Fort, Daphne & Fairhope	Yes	March 03, 2022
	Municipal Partnerships	Yes	Listed in Report
	Identify additional partnerships	Yes	Actively Seeking Partnerships
Brochures	Maintain Display at County Facilities	Yes	Displayed at County Courthouses and on Website
	Evaluate Target Audiences	Yes	Audiences Evaluated
	Evaluate Pollution Sources	Yes	Sources Evaluated
	Develop New Brochures	Yes	Brochures Developed Land Disturbance Appendix A-Ordinance for Flood Prone Areas or Territories with Probable Exposure to Flooding
	Identify Public Events for Distribution	Yes	Actively Seeking Events

Section 2
Regulatory Requirements

News Articles	Maintain Inventory of Articles	Yes	Articles on Website & Appendix A & (baldwincountyal.gov)
Website	Incorporate Storm Water Page	Yes	Storm Water Page Developed (baldwincountyal.gov)
Workshops	Evaluate Workshop Topics	Yes	Evaluation ongoing
	Wetland Workshops	Yes	Flyers and Supporting Documentation Attached Appendix A
	Erosion Control Workshop	NO	19 QCI Certifications
	Planning Commission Training	Yes	1 Planning and Zoning Employees Certified Limited Training Appendix - E
Training	Evaluate Training Needs	Yes	Training Evaluated
	Identify Training Programs / Materials	Yes	Actively Seeking Training Programs and Materials
	Conduct Training	Yes	3- Wetland Training- Appendix A

Comments:

1. Supporting information for Public Education is provided in Appendix A.

3.2. Public Involvement / Participation

Requirement	SWMP Activity Schedule		
	Required	Complied	Accomplished
General Activities	Maintain Citizen Service Centers	Yes	Maintained Daily
	Adopt-a-Mile Program	Yes	6 Miles Adopted
	Coastal Clean-up and Baldwin County Clean Sweep	Yes	Provided Support Appendix A
	Adopt-a-Stream Program	Yes	Program Developed
	Stream Signage	Yes	Streams signed at bridges Appendix A
	Storm Drain Marking Program	Yes	Program Developed
	Recycling Program	Yes	27 Recycling Locations 747.61 Tons Collected Single Stream
	Household Hazardous Waste Collection	Yes	4.92 tons collected
	Baldwin County Commission Meetings	Yes	Two regular meetings and two work sessions per month baldwincountyal.gov
	Baldwin County Planning Commission and Boards of Adjustment	Yes	12 Planning Commission Meetings/ Board of Adjustment meetings baldwincountyal.gov
Education Events	Baldwin County Preparedness Expo	No	Due to Covid Cancelled
	Woods & Waters Expo	No	Due to Covid Cancelled
	Earth Day	No	Due to Covid Cancelled
	Master Environmental Educator	Yes	Provided Support Appendix A
	Erosion Control Workshop	YES	QCI Training Workshop 19-Certifications Appendix E

Comments:

- Supporting information and data associated with the Public Involvement / Participation is provided in Appendix A.

3.3. Illicit Discharges Detection and Elimination

Requirement	SWMP Activity Schedule		
	Required	Complied	Accomplished
Legal Authority	Develop Illicit Discharge Ordinance	Yes	Lack Legal Authority
	Adopt Illicit Discharge Ordinance	Yes	Lack Legal Authority
Data Acquisition	County GIS Data	Yes	System Updated
Outfall Inventory	Schedule	Yes	Schedule Completed
	Inspection Form	Yes	Form Developed
	Map	Yes	Map Developed
	Inventory	Yes	Inventory Completed
Illicit Discharges	Complaint Tracking System	Yes	Tracking System Developed
	Illicit Discharge Inspection Form	Yes	Form Developed
	Complaints	Yes	1 Complaints
	Illicit Discharge Investigations	Yes	1 Investigation
Standard Operating Procedures	Sample equipment use, maintenance	Yes	SOP Developed
	Outfall Reconnaissance Inventory	Yes	Completed Appendix B
	On-site sewer disposal system evaluation	Yes	SOP Developed
	Sanitary sewer overflow evaluation	Yes	SOP Developed

Comments:

1. Information and data associated with Illicit Detection and Elimination is provided in Appendix B.

3.4. Construction Site Runoff

Requirement	SWMP Activity Schedule		
	Required	Complied	Accomplished
Legal Authority	Erosion and Sediment Control Ordinance	Yes	Lack Legal Authority
	Subdivision Regulations	Yes	Regulations Being Evaluated for Updates
Permitting	Develop SOP	Yes	SOP Developed
	Develop Land Disturbing Activity Application Form	Yes	Application Developed
	Track Number and Type of Permits	Yes	67 Land Use Certificates & Land Disturbance Permits Issued
Plan Review	Develop SOP	Yes	SOP Developed
	Develop Review Checklist	Yes	Check List Developed
	Develop Erosion Control Plan Requirements	Yes	Provided in Subdivision Regulations (baldwincountyal.gov)
	Track Number of Plans Reviewed	Yes	67 Land Use Certificates & Land Disturbance Permits
Inspections	Develop SOP	Yes	SOP Developed
	Develop Inspection Form	Yes	Form Developed
	Track Number and Type of Inspections	Yes	0 Subdivision Inspection
Enforcement Actions	Track Number and Type	Yes	0 Enforcement Action
Training	QCI Training	No	19 Certifications Appendix E

Comments:

1. Supporting information for the Construction Site Storm Water Runoff Program is provided in Appendix C.

3.5. Post-Construction Storm Water Management

Requirement	SWMP Activity Schedule		
	Required	Complied	Accomplished
Legal Authority	Develop Post Construction Storm Water Management Ordinance	Yes	Lack Legal Authority due to Limited Home Rule
	Adopt Post Construction Storm Water Management Ordinance	Yes	Lack Legal Authority due to Limited Home Rule
	Subdivision Regulations	Yes	Updated Regulations (baldwincountyal.gov)
	Zoning Regulations	Yes	Evaluating Regulations
Low Impact Development	Evaluate LID Practices	Yes	Evaluation in Progress
	LID Policy	Yes	Evaluation in Progress
Non-Structural BMPs	Develop Plan Review Procedures	Yes	Non-structural BMP plan review, inspection and maintenance requirements developed
	Develop Inspection Procedures	Yes	
	Develop Maintenance Requirements	Yes	
Structural BMPs	Evaluate and Identify BMPs	Yes	Structural BMPs, design standards and check list requirements developed
	Develop Design Standards	Yes	
	Develop Review Checklist	Yes	
Inspections	Develop SOP	Yes	Inspection Program Developed
	Develop Tracking System	Yes	
	Track Number and Type of Inspections	Yes	
Training	Evaluate Training Needs	Yes	Evaluation in Progress
	Identify Training Sources	Yes	Actively Seeking Sources
	Conduct Training	Yes	13 QCI Certifications 3 Wetland Training Appendix A

Comments:

1. Supporting information for the Post-Construction Storm Water Management Program is provided in Appendix D.

3.6. Pollution Prevention / Good Housekeeping

Requirement	SWMP Activity Schedule		
	Required	Complied	Accomplished
Facility Inventory	Identify County Facilities and Operations	Yes	Inventory Developed
	Inventory Industrial and Commercial Facilities	Yes	
Facility Assessment	Develop Facility Evaluation Form	Yes	Facility Evaluations Assessed
	Conduct Facility Evaluation	Yes	
	Prioritize Facilities	Yes	
	Develop Facility Recommendations	Yes	
	Develop Schedule for Implementation	Yes	
Standard Operating Procedures	Bridge Inspection / Maintenance	Yes	SOPs Developed
	Dirt Road Inspection / Maintenance	Yes	
	Paved Road Inspections / Maintenance	Yes	
	Right-of-Way Maintenance	Yes	
	Facility Inspections	Yes	
Training	Evaluate Training Needs	Yes	Evaluation in Progress
	Identify Training Resources	Yes	ALDOT, Alabama Technology Center
	Implement Training	Yes	19 QCI Course, Wetland Training, Vegetation Management, Building Inspections, & Planning & Zoning Appendix E
Flood Management	Review Flood Projects	Yes	CRS Program

3.6.1. Structural Controls

Requirement	SWMP Activity Schedule		
	Required	Complied	Accomplished
Data Management	Storm Sewer Pipe Inventory	Yes	Inventory Completed
	Storm Sewer Inlet Inventory	Yes	Inventory Completed
	Cross Drain Pipe Inventory	Yes	Inventory Completed
Inspections	Drainage Swales	Yes	18 Inspected
	Storm Sewer Pipe & Inlets	Yes	13 Inspected
	Cross Drain Pipe	Yes	3 Inspected
Cleaning and Maintenance	Drainage Swales	Yes	18 Maintained
	Storm Sewer Pipe	Yes	13 Maintained
	Cross Drain Pipe	Yes	3 Maintained

3.6.2. Roadways

Requirement	SWMP Activity Schedule		
	Required	Complied	Accomplished
GIS Data	Road and Bridge Inventory Update	Yes	Inventory Updated
Roadway Design	Plan Reviews	Yes	0
License Agreements	License Agreements Executed	Yes	0 Agreement Executed, MS4 Area
Inspections	Paved Roads	Yes	108 Roads
	Unpaved Roads	Yes	2
	Bridges	Yes	13 Inspections
Roadway Maintenance	Mowing ROW	Yes	3 cycles completed
	Litter Control	Yes	14.25 Tons Picked-Up
Roadway Repair	Resurfacing - Overlay	Yes	4 Roads
Deicing Activities	Deicing Events	Yes	0 Events

Comments:

- Supporting information and data associated with the Pollution Prevention / Good Housekeeping Program is provided in Appendix E.

4. MS4 Program Modifications

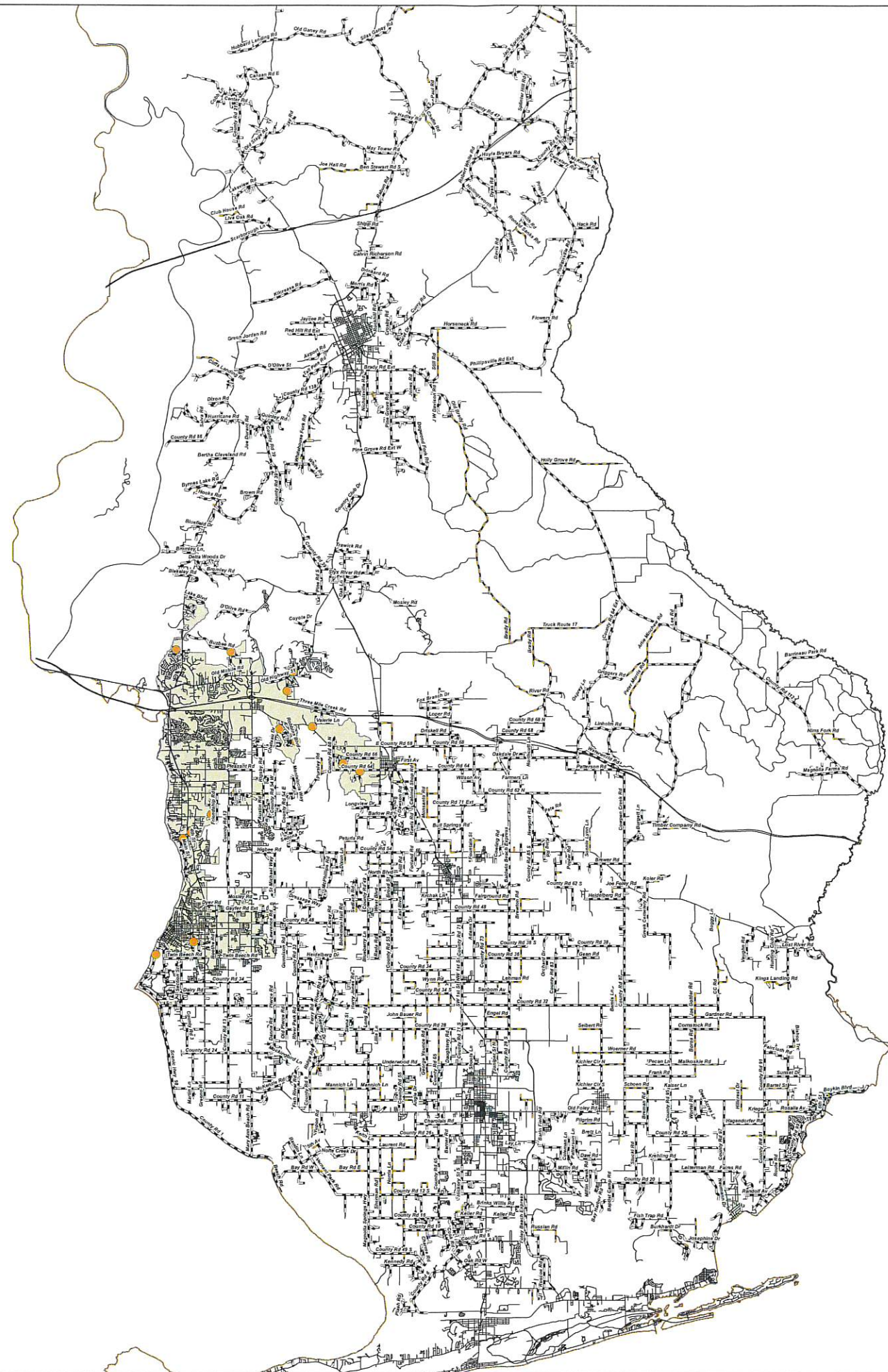
4.1. SWMP Plan Update

The County's 2021-2026 Draft MS4 SWPPP has been submitted to ADEM for review.



Appendix A

Public Education and Outreach



1 inch = 3 miles

Legend

- Environmental Signage (21 Total)
- MS4 Area

Baldwin County Highway Department

OBJECTID *	SignType	MUTCD Description	Comment	Specialty Description	Color Pattern	last_edited_date	StreetSignPrintFace	Mounting Bracket	Street Sign Blade Type	Grade	Sign Size	Hwy Dept Maintained	created_user	InstallDate	Latest Inspection Date	created_date	last_edited_user	RelateID *	GlobalID *
27603	Guide	CREEK SIGNS	<Null>	Bushy Creek	WHITE ON GREEN	12/19/2019 19:30	<Null>	<Null>	<Null>	HIP	<Null>	Yes	bjohnson_GIS	1/15/2018 16:41	<Null>	1/15/2019 16:39	JACOB.PIERCE	[E1D638ED-5297-4508-88F6-94C429BF9C01]	[096E012E-FF89-4901-B5FE-5ED0E3B1E478]
27604	Guide	CREEK SIGNS	Bushy Creek	<Null>	WHITE ON GREEN	12/19/2019 19:30	<Null>	<Null>	<Null>	HIP	18X24	Yes	bjohnson_GIS	7/15/2017 15:45	<Null>	1/15/2019 16:44	JACOB.PIERCE	[B536C5E6-418C-49CB-8CBC-304963A5D569]	[0ED9AA26-9126-4CA6-BD55-DECBA04A8A560]
34458	Guide	CREEK SIGNS	70127 WATERHOLE HOLLOW	<Null>	WHITE ON GREEN	2/13/2019 20:44	<Null>	<Null>	<Null>	HIP	30x30	Yes	ecook_GIS	2/13/2012 20:42	2/13/2019 20:41	2/13/2019 20:44	ecook_GIS	[1A496CE2-E443-419A-98B9-4AB9A7BDF2F8]	[87BF6018-F74F-4287-8143-56E994940C5]
34459	Guide	CREEK SIGNS	70127 WATERHOLE HOLLOW	<Null>	WHITE ON GREEN	2/13/2019 20:59	<Null>	<Null>	<Null>	HIP	24X18	Yes	ecook_GIS	9/13/2009 19:54	2/13/2019 20:54	2/13/2019 20:59	ecook_GIS	[1EA96CE2-E443-419A-98B9-4AB9A7BDF2F8]	[739E1D5B-18AA-472F-8B2F-2A9949D992B6]
34863	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	12/19/2019 19:30	<Null>	<Null>	<Null>	HIP	18X24	Yes	bjohnson_GIS	3/14/2012 19:56	<Null>	2/14/2019 20:57	JACOB.PIERCE	[ECB89083-CE5E-488A-A711-0C09A5FA2AF6]	[A048A8F7-F11E-466D-B942-A0F6E1DD5CBF]
49390	Guide	CREEK SIGNS	Barner Branch	<Null>	WHITE ON GREEN	7/16/2020 19:46	<Null>	<Null>	<Null>	HIP	18X24	Yes	bjparks_GIS	8/12/2009 16:27	<Null>	3/12/2019 16:40	tbyrd_GIS	<Null>	[94A20F21-7A8A-4C84-82B6-F81829C95700]
49395	Guide	CREEK SIGNS	Barner Branch	<Null>	WHITE ON GREEN	7/16/2020 19:46	<Null>	<Null>	<Null>	HIP	18X24	Yes	bjparks_GIS	8/12/2009 16:27	<Null>	3/12/2019 16:40	tbyrd_GIS	<Null>	[94A20F21-7A8A-4C84-82B6-F81829C95700]
137774	Guide	CREEK SIGNS	Hurricane sally.302. Sign replaced	<Null>	WHITE ON GREEN	5/4/2021 18:39	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	9/13/2008 18:45	<Null>	2/13/2020 19:45	nmccawley_GIS	[41E0A880-F166-416C-9879-9E2FA0420C03]	[5166D73B-F02C-4BEC-807B-0DC2C957CF6D]
137784	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	2/13/2020 20:12	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	9/13/2008 18:45	<Null>	2/13/2020 20:12	tbyrd_GIS	[23F53524-14B2-4155-9CB8-37DC6DB1A78F]	[36831BD-B0B5-4887-B008-0BD1F812801F]
140163	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	2/20/2020 15:46	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	8/20/2009 14:47	<Null>	2/20/2020 15:46	tbyrd_GIS	[F39EDC57-9A40-4D1B-A098-8523F9E89C05]	[FE70ACCA-1096-4AC6-A55C-54B49F5F5B66]
140173	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	2/20/2020 16:02	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	8/20/2009 15:02	<Null>	2/20/2020 16:02	tbyrd_GIS	[52B70E64-EF53-47F7-8363-C3831368E600]	[5F490C88-73C2-4FE5-B5E8-C22F8467CCA]
140203	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	2/20/2020 17:30	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	8/20/2009 16:30	<Null>	2/20/2020 17:30	tbyrd_GIS	[D6DC38DC-5ECC-4B5F-B0FD-2C46AED1973]	[4328C80B-B555-4E34-8E4A-178B1FFACFF2]
146946	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	3/12/2020 15:11	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	12/12/2011 16:12	<Null>	3/12/2020 15:11	tbyrd_GIS	[C908A28E-6056-447E-8A9A-C761FC7D58DA]	[518CFF49-64AD-45E8-B9DD-619D8A5E58DA]
146947	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	3/12/2020 15:13	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	12/12/2011 16:16	<Null>	3/12/2020 15:13	tbyrd_GIS	[4067C25C-5D3A-425B-986F-D1FB4E80703]	[9A8C28D6-147C-43EE-8907-8B98F54748B]
147770	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	3/16/2020 13:58	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	8/16/2009 14:01	<Null>	3/16/2020 13:58	tbyrd_GIS	[1E20360B-C7A6-440E-80DD-59B9CA8BC3A]	[5295D992-2FC5-46B3-851A-9E12F6E2F732]
147778	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	3/16/2020 14:24	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	7/16/2009 14:27	<Null>	3/16/2020 14:24	tbyrd_GIS	[99853151-00C6-4A9B-963F-05C205FFA0F0]	[B6401C2B-B67D-4986-A5E5-502786419449]
147816	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	3/16/2020 16:08	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	9/16/2012 16:11	<Null>	3/16/2020 16:08	tbyrd_GIS	[C1BD8D51-E1E4-4C5A-97BC-308AEF921DD]	[E7055B19-F318-4CAF-A83B-091891EA551B]
148959	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	3/17/2020 15:20	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	3/17/2020 15:23	<Null>	3/17/2020 15:20	tbyrd_GIS	[31F0298A-896A-4C60-A812-E18F67A578C2]	[B18C124-3161-4E75-8B73-6E8042963AD]
151785	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	4/6/2020 18:58	<Null>	<Null>	<Null>	HIP	30x24	Yes	tbyrd_GIS	11/20/2016 17:00	<Null>	4/6/2020 18:58	tbyrd_GIS	[96F08AF6-E994-48AC-8CDE-887B2FCA3CD3]	[39698EFA-003C-4A8D-8C58-FCE6528A177F]
151787	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	4/6/2020 19:01	<Null>	<Null>	<Null>	HIP	30x24	Yes	tbyrd_GIS	11/20/2016 17:00	<Null>	4/6/2020 19:01	tbyrd_GIS	[1422470B-9FC5-49DD-9CCA-299339780D04]	[39698EFA-003C-4A8D-8C58-FCE6528A177F]
152207	Guide	CREEK SIGNS	Hurricane sally.302. Sign replaced	<Null>	WHITE ON GREEN	5/6/2021 19:52	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	8/7/2009 15:22	<Null>	4/7/2020 15:12	nmccawley_GIS	[4516BA62-E48A-4917-8FF6-8FC5E70021AD]	[14643998-3F70-45CD-BC37-5170AE2B215]
152209	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	4/7/2020 15:18	Simplex	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	8/7/2009 15:22	<Null>	4/7/2020 15:12	nmccawley_GIS	[65D5C82F-6F58-43F2-BDC2-DE39BD19EBA]	[76877248-ACC8-42BE-A8F6-9D0FB6206770]
155502	Guide	CREEK SIGNS	Hurricane sally.302. Sign replaced	<Null>	WHITE ON GREEN	5/4/2021 16:07	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	1/14/2019 20:47	<Null>	5/14/2020 19:42	nmccawley_GIS	[CE741A33-6DCD-46C7-84FA-0BD088A0B6CC]	[687BB80F-D036-4264-8C8E-44463275CC2]
155503	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	5/14/2020 19:44	<Null>	<Null>	<Null>	HIP	<Null>	Yes	tbyrd_GIS	1/14/2019 20:48	<Null>	5/14/2020 19:44	tbyrd_GIS	[A0188062-EA94-40EA-B813-29C2EFF6A193]	[FA0A07F-B235-466C-A21A-680B8F8CE824]
157042	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	5/20/2020 13:04	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	8/20/2015 13:08	<Null>	5/20/2020 13:04	tbyrd_GIS	[A0127BB-F5C5-46B3-851A-9E12F6E2F732]	[FE70ACCA-1096-4AC6-A55C-54B49F5F5B66]
157043	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	5/20/2020 13:06	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	8/20/2015 13:10	<Null>	5/20/2020 13:06	tbyrd_GIS	[9C332123-621A-4CB1-AD75-53DF288199C]	[6207298E-3A2D-4ACA-ASC3-985CB11DFD6A]
163747	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	7/16/2020 19:26	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	7/16/2020 19:26	<Null>	7/16/2020 19:26	tbyrd_GIS	[9E9A29D-E403-454E-8658-BDF4928E4988]	[4F7B891C-BEA4-418E-995A-55EA97F86A01]
163765	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	7/16/2020 19:56	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	7/16/2020 19:56	<Null>	7/16/2020 19:56	tbyrd_GIS	[65270C74-1E6F-4B40-BB91-F8712E2EDBA]	[438A9595-B096-4567-AABF-1EA3C37280FC]
177762	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	6/21/2021 19:18	<Null>	<Null>	<Null>	HIP	24X18	Yes	eedwards_gis	6/21/2021 19:16	<Null>	8/26/2020 13:25	tbyrd_GIS	[250C88C0-9FFA-4AAE-BB87-D18FACD1A20A]	[3CF0F5A-BE9F-4D6B-BFED-38E454198A21]
233425	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	2/17/2021 19:33	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	8/17/2009 18:39	<Null>	2/17/2021 19:33	tbyrd_GIS	[ABDC63FD-898A-49A7-932A-3F4CAEA697B]	[F8F69968-E517-4A8F-B045-7A011880054B]
234570	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	2/18/2021 13:29	<Null>	<Null>	<Null>	HIP	24X18	Yes	nmccawley_GIS	1/18/2012 13:35	<Null>	2/18/2021 13:29	nmccawley_GIS	[5F0F30D0-A08A-4A9A-B8B3-485CC8E3DCB5]	[0208E7A2-239A-40F4-9008-D682C1B27D7]
234577	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	2/18/2021 13:45	<Null>	<Null>	<Null>	HIP	24X18	Yes	nmccawley_GIS	12/18/2011 13:51	<Null>	2/18/2021 13:45	nmccawley_GIS	[06C610A6-9430-4D7F-8E27-8577633670D6]	[C1DE2C01-3E23-4DA4-B017-17D523541F5F]
234646	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	2/18/2021 16:16	<Null>	<Null>	<Null>	HIP	24X18	Yes	nmccawley_GIS	12/18/2011 16:22	<Null>	2/18/2021 16:16	nmccawley_GIS	[9EA53111-0364-4090-AE6B-CF9A3F6D647B]	[1E201E6D-5CA7-4FA4-A77B-FAC5CCD5C776]
234663	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	2/18/2021 16:39	<Null>	<Null>	<Null>	HIP	24X18	Yes	nmccawley_GIS	1/18/2012 16:44	<Null>	2/18/2021 16:39	nmccawley_GIS	[686D59E0-9E11-4E5E-B9A0-1B8C740F21FC]	[88DF66C8-9C9D-4D56-BF49-28149E2F37BA]
236993	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	2/24/2021 16:17	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	2/24/2021 16:20	<Null>	2/24/2021 16:19	tbyrd_GIS	[187CA94E-7779-4C51-AAFA-6A9C494FCA2]	[18A93CDF-34BC-47EA-9540-5675E32A8B8D]
236994	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	2/24/2021 16:17	<Null>	<Null>	<Null>	HIP	24X18	Yes	tbyrd_GIS	2/24/2021 16:20	<Null>	2/24/2021 16:17	tbyrd_GIS	[CFD1B082-12D7-488F-B4E1-AA9FA464A291]	[C5943D5C-E396-4284-8A4C-8C8605243CAE]
238193	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	2/26/2021 14:50	<Null>	<Null>	<Null>	HIP	24X18	Yes	nmccawley_GIS	8/26/2009 13:53	<Null>	2/26/2021 14:50	nmccawley_GIS	[A5DE141C-9F9B-492B-9375-B6E840968625]	[5AFD60A9-6954-4061-B63C-5CD54BA65DD8]
238274	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	2/26/2021 18:46	<Null>	<Null>	<Null>	HIP	24X18	Yes	nmccawley_GIS	1/9/2012 19:11	<Null>	2/26/2021 18:46	nmccawley_GIS	[B129A640-F795-4C56-BBF1-9A6FD9F28A18]	[07D03B68-6C22-442D-98DA-D84842774186]
243767	Guide	CREEK SIGNS	<Null>	<Null>	WHITE ON GREEN	3/9/2021 19:08	<Null>	<Null>	<Null>	HIP	24X18	Yes	nmccawley_GIS	8/17/2009 18:39	<Null>	3/9/2021 19:08	nmccawley_GIS	[91983AF6-FBB0-42F5-9B63-D0666A02123A]	[CF0B74B0-D5D2-4A6D-B3E7-D468F569083B]
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The Studio students win online competition

Environmental committee working on new projects

GUY BUSBY
Government Editor
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ROBERTSDALE — On a recent afternoon, a group of citizens and officials looked over an eroded creek in Marlow. The banks had been washed away leaving a deep

ravine. A mobile home on the edge of the steep bank had been abandoned. Sediment washed from the banks had piled up where the mouth of the creek met Fish River. Boat docks at the mouth stood on dry land with sand piled around the piers. Issues such as the erosion

and sedimentation caused by development are some of the challenges being studied by the Baldwin County Environmental Advisory Committee. The group was reactivated by the County Commission in 2021, Committee Chairman Brett Gaar said. Ashley Campbell, county

environmental planner, said the group's job is to advise the commission on environmental issues.

"We don't tell anyone what to do," she said. "The emphasis on re-establishing this was so we'd have this

SEE **PROJECTS**, PAGE A3



GUY BUSBY / GULF COAST MEDIA
Members of the Baldwin County Environmental Advisory Committee, Mobile Bay National Estuary Program and County Commission study the effects of erosion and sedimentation along Fish River in Marlow.

PROJECTS

FROM PAGE A1

citizen avenue for information to go through this group into the commission. I believe in establishing the natural resource position that I now have, there's been a big emphasis on natural resources and environmental issues in Baldwin County under this commission."

Gaar said the committee is working on a study on the environmental impact of erosion from dirt roads, protecting farmland and establishing programs to monitor water quality in Baldwin County.

"We're not regulatory," Gaar said. "All we're going to do is say 'county commissioners, this is what we think can help. This is not the silver bullet for all of it. But this is the best way we can go about it and this is our recommendation based on what the farmers are looking for and the planners think we can do.'"

Tommy Cleverdon, a farmer in Bon Secour, is another committee member. He said protecting agriculture as the county develops is one issue that the group is studying.

"We make a living here," Cleverdon said. "Being a part of agriculture, that's really important to me and farmland and maintaining some green spaces, farmland is something that a lot of people in Baldwin County would like to see. That's one of the things that we enjoy about Baldwin County and not letting it all disappear to the people who want to put five houses on every acre. I doubt I can slow any of it down, but maybe we can help the

county formulate a better plan as we're moving forward in the next 10 years."

One way to protect farming could be to create a farmland overlay district to manage how agricultural land is developed.

Cleverdon said agriculture is still very important to Baldwin County, but he also realizes that many of his fellow farmers might need the option to do other things with their land.

"It's kind of a double-edged sword," he said. "As a farmer, you don't want to give up the right to your land, if you don't have anybody, any family to leave it to and want to sell it because you've worked all your life so I can have something to retire on, but also as a farming family in Baldwin County, I want to see it stay farmland, I don't want to see it all developed.

There's got to be something where we can put into, not necessarily a trust, but some of these environmental pacts or something where maybe you do get paid a little bit to say 'I'm going to maintain this as farmland or green space for the next 100 years or something' and it will be worth something to Baldwin County and be farmland for a while, something to protect some of the farmland and some of the heritage in Baldwin County."

Gaar said another project is updating the list of dirt roads that might be creating environmental hazards through erosion. The county developed a list in 2010, but some of those roads are now paved and other roads have been created.

The committee is also working to develop a program to monitor water quality around Baldwin

County, Campbell said.

"We immediately embraced one of the strategic plan goals of providing a water quality monitoring program for the county," Campbell said. "We jumped in. We did some research. We've actually had the Mobile Bay National Estuary Program work with the county and other agencies, state agencies, to apply for a big grant to help implement a demonstration project in Baldwin County."

She said committee members and officials do not know if the grant has been approved but will continue working to develop the project.

"We're still looking at providing platforms for providing data to the citizens about the water quality in Baldwin County," she said. "It's not an easy goal to achieve."

Gaar said another water-quality improvement project is using closed dirt pits for stormwater management.

"There are a lot of borrow pits in this county and a lot of them are close to the water," he said. "Is there a possibility that we could direct some of the ditches and stormwater into these detention ponds and treat the water before it overflows into the rivers and get better treatment and flood conveyance?"

He said one project now being developed is on the Magnolia River.

"The county's in the process of trying to acquire all those properties," he said. "The county's the biggest landowner, but there are several other small pieces that are important. So, they're trying to get that done and then they'll do design work. Once that's done,

they can go forward with construction."

Some of the money for the Magnolia River project will come from a \$4 million grant from the Gulf of Mexico Energy Security Act, known as GOMESA, program.

He said erosion is not just an issue along rivers and streams. Some areas of the county are losing shoreline, such as along Mobile Bay in Fort Morgan.

"Fort Morgan peninsula, the north shore is really eroding bad and we've had a couple of people come and speak to that and ask for help and we're going to see what we can do," Gaar said. "We've talked to Mobile Bay NEP and the Mobile Corps of Engineers to see if there's an opportunity for maybe the beneficial use of dredge material and I think there's a possibility of Mobile Bay NEP might fund that study to figure out if there's any opportunities there and work with the corps."

Gaar said Baldwin County's economy depends on environmental quality. The 2010 oil spill showed how environmental degradation could affect not only the ecology, but the economy.

"Baldwin County, everybody knows that tourism is the biggest driver of our economy," Gaar said. "We have no choice, none, but to take care of it, because if we don't, there goes not just our way of life goes away, but so does our money. We better take care of it. We need those farms, those open spaces or we don't have anything."

Campbell said protecting the area's environment as Baldwin County develops will be an ongoing project.

"It's not an easy goal to

IN THE EYE

2021

***Hurricane Season Begins June 1
Here's What You Need To Know To Stay Safe***



Alabama current connection

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Interview with Chris Blankenship

*Commissioner of the Alabama
Department of Conservation
and Natural Resources*

A native of the Alabama Gulf Coast, Department of Conservation and Natural Resources (ADCNR) Commissioner Chris Blankenship began his work with the Department in 1994 as a Conservation Enforcement Officer and later as the Chief Enforcement Officer for the Alabama Marine Resources Division (MRD). He served as Director of the MRD from 2011 until August 2017, when Governor Kay Ivey appointed him ADCNR Commissioner. *Cont. on page 2*

Photo by The Nature Conservancy



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Currently Inside



He provided leadership and technical expertise for the Department throughout the early days of the *Deepwater Horizon (DWH)* oil spill and continues to lead Alabama's efforts in the recovery and restoration of the coast.

At the onset of the *DWH* spill, Blankenship was serving as the Chief of Enforcement for the MRD. A few days after the spill, he stopped by the Brookley Field Coast Guard base to see if ADCNR could be of assistance. Coast Guard staff asked him to stay for a few days to help out, and he agreed. At the time, only a handful of people staffed the Incident Command Center (ICC), as the eventual magnitude and impact of the spill were not yet revealed. For months, while at the ICC, Blankenship provided technical support and coordinated Alabama's response efforts in concert with the Alabama Department of Environmental Management (ADEM) and the Governor's office. Following that initial detail at the ICC, Blankenship continued to direct ADCNR's response to the spill and the subsequent transition into the Natural Resource Damage Assessment (NRDA) phase of the response and recovery, led by ADCNR's State Lands Division (SLD).

Commissioner Blankenship is proud of the response efforts of ADCNR employees following the spill, including early efforts to develop a Response and Booming Plan and executing contracts to deploy boom. Blankenship worked with ADEM and ADCNR GIS specialists to develop a system which allowed field personnel to map boom type, location, and condition, along with sightings of oil, using GPS on their boats. That data was consolidated and analyzed daily, giving real-time intelligence to the Governor's office and the ICC and allowing for adaptive management of boom deployment strategies to best protect Alabama's coastal resources. Blankenship specifically credited Lynn Ford at ADEM for providing behind-the-scenes expertise to give life to the GIS mapping application. The mapping information proved useful as Departmental personnel, in consultation with FDA and NOAA staffs, worked to manage commercial and recreational fisheries over the duration of the event.

During Blankenship's time at the ICC, he and many others experienced an emotional roller coaster of watching engineers confidently deploy multiple technologies to cap the wellhead and stop

the spill, only to see them fail. Concerns grew over the potential impacts to marshes, sea grasses, fisheries, and tourism. Once the wellhead was finally capped, Blankenship shared a sense of relief as the task then shifted to quantifying the amount of oil released and starting down the long road to recovery.

Blankenship noted that the *DWH* incident is a stark reminder of how easy it is to take for granted the abundance, beauty, and value of the clean water of Alabama's coast. Now, over a decade later, Alabama is on the path to recovery and restoration with tourism booming and over 160 projects, valued at more than \$900 million, either completed or underway through the *DWH* settlement. With funding for recovery and restoration extending well into the next decade, Blankenship recognized the additional strain and workload that administering and managing these projects had on existing ADCNR staff. This prompted the creation of the *DWH* Coastal Restoration Section, headed by Dr. Amy Hunter, whose staff is responsible for overseeing the efforts and making best use of the unprecedented resources afforded by the settlement. The Section reports to the ADCNR Commissioner's office, is housed at the Coastal Stewardship Office at the 5 Rivers Delta Center, and coordinates closely with the SLD and MRD of ADCNR on project implementation.

Blankenship's evolving roles over the last 10 years have given him unique perspective and insight as ADCNR has worked to fulfill its duties in protecting and managing Alabama's natural resources. "The cooperation with federal agencies and other State agencies throughout the years has been rewarding," says Blankenship, "and has strengthened in response to the *DWH* incident. This cooperation has paid dividends, as it has opened lines of communication, brought to light common management needs and concerns, and resulted in meaningful restoration and conservation in the face of an unimaginable tragedy."



Coastal Corner

BY WILL UNDERWOOD, COASTAL SECTION ADMINISTRATOR,
ALABAMA DEPARTMENT OF CONSERVATION AND NATURAL
RESOURCES, STATE LANDS DIVISION

Reflections on Effective Leadership

Much of the content of this issue of the *Current Connection* focuses on individuals who have emerged as leaders in the field of conservation in coastal Alabama in the wake of the *Deepwater Horizon* oil spill. Each of them, in their own way, contributed to the response and ongoing recovery following one of the largest human-caused environmental disasters to impact the Gulf of Mexico. While their backgrounds are diverse and their accomplishments wide-ranging, I suspect that you will recognize some common traits among them important for effective leadership.

One of the most important of these traits is being a lifelong learner. Coastal ecosystems are about as dynamic as they come, with hurricanes, droughts and floods, and rising seas as just a few examples of stressors that quickly come to mind. When that dynamic nature is coupled with injuries and insults inflicted by human activities, we must be ready to implement a response equally as dynamic to facilitate recovery. In our modern environmental

lexicon, we call this *adaptive management*; Aldo Leopold, regarded as the father of the field of wildlife ecology and management, referred to it as “intelligent tinkering.” Leopold cautioned his readers to “keep every cog and wheel” when managing and restoring the environment, lest we overlook some small but vital piece of the machinery of nature. This, of course, begs the question: Do we know and understand all the pieces that make coastal environments function? While the answer to this question is unequivocally summed up with “we don’t know what we don’t know,” an effective leader will move past the stage of analysis paralysis to choose a path forward to do the most good with their available resources.

The ability to lead such a response in uncertain times comes from years of observing, doing, and learning from successes and failures. In preparing for this issue of the *Alabama Current Connection*, I had the opportunity to interview just such a leader. Alabama Department of Conservation and Natural Resources Commissioner Chris Blankenship rose through the ranks of the Department and, at the time of the *DWH* spill, led the agency response efforts as the Chief of Law Enforcement for the Marine Resources Division. After realizing that the

Department didn’t have an effective way to track and manage the deployment of boom and other resources during the response, he quickly spearheaded an effort to develop and implement a GIS system to solve the problem. While his role has evolved with his appointment as ADCNR Commissioner in 2017, he has continued to provide leadership to Alabama’s recovery from the spill and hold the Department on a steady keel through many natural disasters. His career-long dedication to managing Alabama’s coastal resources was recently recognized, as Governor Ivey dedicated the Christopher M. Blankenship Artificial Reef Zone, a 63-square-mile area offshore of Dauphin Island. This reef zone will provide habitat, recreational opportunities, and economic benefits to the entire state. Join me in congratulating Commissioner Blankenship on this honor.

As I close out this edition of the Coastal Corner, I’d like to remind everyone that effective leaders are forged one good decision, one good deed, at a time. I challenge you to use your voice to be a leader with your family, friends, and community as we work towards the common goal of conserving our coast.



Interview with **Amy Hunter**

*Deepwater Horizon Restoration
Coordinator, Alabama Department of
Conservation and Natural Resources*

Dr. Amy Hunter serves as the *Deepwater Horizon (DWH) Restoration Coordinator for the Alabama Department of Conservation and Natural Resources (ADCNR), leading a staff that stands up Alabama's restoration projects resulting from the DWH oil spill. As a marsh ecologist, trained at the Dauphin Island Sea Lab and the University of Alabama, viewing things as systems has provided her a useful approach to thinking about restoration programs, in addition to salt marshes.*

Dr. Hunter recalls leaving work April 20, 2010, and noticing news tickers indicating 11 persons missing in the collapse of an oil rig in the Gulf – a grim story. In the days that followed, the reactions of friends in the oil and gas industry gave her insight into the gravity of the event. It was the first realization of how overwhelming the problem would be.

Pre-settlement, Amy was hired by ADCNR's State Lands Division as a contractor to help with "early restoration" as part of the Natural Resource Damage Assessment (NRDA). Alabama, along with the other four Gulf states and federal agencies, met with BP regularly and began negotiation of restoration projects – the beginnings of recovery. Post-settlement, Dr. Hunter accepted her current position, overseeing the State's Oil Pollution Act fines under NRDA, RESTORE Act funding from Clean Water Act (CWA) fines, and the

National Fish and Wildlife Foundation Gulf Environmental Benefit Fund from criminal penalties. She serves as a connector between the federal agencies that oversee the funding (e.g., U.S. Treasury and Federal RESTORE), the Alabama Trustee Implementation Group, and local partners that make the projects work.

Like the other Gulf states, Alabama receives one payment every April to continue through 2031 under the terms of the settlement. As the Coordinator, Dr. Hunter reviews project suggestions solicited by ADCNR and follows up with municipalities to assess project need, priority, and sustainability into the future. Her role in planning for the use of *DWH*-related funds is to listen to the needs of each jurisdiction and balance those needs across coastal Alabama in terms of how each project will contribute to its long-term health. She works to identify a mix of projects to not only fix what is needed now but also invest in building future capacity to continue to manage Alabama's natural resources.

Dr. Hunter has learned many lessons and taken notes on how other states invested *DWH* funding. Florida established their Gulf Consortium, and Louisiana manages their settlement through the previously established Coastal Protection and Restoration Authority. In terms of coastal restoration, Alabama and Mississippi exchange ideas frequently; however, Dr. Hunter understands that a solution for another Gulf state may not work for Alabama, or vice versa.

Additionally, other states can learn from the Alabama Gulf Coast Recovery

Council concept, where local elected officials determine the use of RESTORE Buckets 1 and 3 funding. This puts funding back into the hands of local communities and enables them to fund priority projects within their communities like the historic Africatown Welcome Center or local wastewater treatment plants and sewer projects. A portion of RESTORE Act funding is directed to the Center of Excellence for academic research. Bucket 2 funds large-scale ecosystem restoration. The benefit of the funding being run through one agency, ADCNR, is it forces Alabama to look at the "big picture" and create a restoration "quilt" rather than just a "patchwork of projects."

Amy Hunter takes pride in her role representing Alabama, working with federal agencies overseeing the *DWH* settlement funds and with local governments implementing those funds. Using science and local priorities to guide planning helps to create a well-targeted restoration effort. *DWH* funding can be most transformational if the funds are directed towards building capacity through infrastructure, water monitoring stations, and training personnel to manage whole systems and their accompanying data. Alabama has the opportunity to grow its capability to identify, implement, manage, and complete restoration on a coast-wide scale. Dr. Hunter is humbled to serve the people of her home state and the Gulf Coast, working cooperatively to preserve, maintain, and restore Alabama's natural resources.

It Takes A Village

By ROBERTA SWANN, DIRECTOR, MOBILE BAY NATIONAL ESTUARY PROGRAM

Over the holiday season, I spent quite a bit of time on our front porch—admiring the many shades of green, entertained by the chickadees and nuthatches, and reflecting on the many different types of community around me with their “true grit” on full display. A quick Google of “true grit” returns a description of “someone who sticks to their goals despite numerous issues, problems, setbacks and failures...a person with firmness of mind and unyielding courage.”

As the pines bent in the breeze and the birds flitted from feeder to feeder, the human dimension of true grit transmuted to these natural communities, and I sat up in awe of the resilience of the world around me. Through storms, habitat conversion, and droughts and floods, the trees in front of me stand, sometimes gnarled but still reaching to the sky, and the birds return - confident they will find food and a place to rest.

There is a community along the Alabama coast whose sole purpose is to ensure these natural communities thrive in perpetuity. The Mobile Bay National Estuary Program Management

Conference, made up of federal, State, and local governments; scientists; businesses and industry; non-profit organizations; community groups; and frankly anyone who wants a seat at the table, works collaboratively and through many partnerships to counter the many stressors on our coastal ecosystems and way of life. Demonstrating true grit on a continual basis, their collective impact in conserving and restoring habitats, improving environmental management, and growing community stewardship is the product of overcoming setbacks, steadfastly addressing barriers to project implementation, and demonstrating deep commitment to protecting what we value along the Alabama coast: Access to the water and open spaces, healthy populations of fish and wildlife, robust beaches and shorelines, celebrations of our heritage and culture, resilient communities, and clean and productive waters.

Their work is guided by best practices in science, engineering, and community engagement. In this issue of *Alabama Current Connection*, we present to you a look back and a look forward. We begin with memories of the *Deepwater Horizon* oil spill and ask eight different community leaders to share their thoughts about what

happened. Almost eleven years later, we asked whether they think, in the spill’s aftermath, Alabama has done well with the resources available for restoration. We then highlight many of the efforts undertaken to date, with firmness of mind and unyielding courage, to improve coastal Alabama’s environmental conditions and management processes.

Have we collectively gotten it right? Not always. Has it taken time? Definitely. Could we improve our methods? Almost always. Are there still needs to be filled? Of course. Do we have the true grit necessary to continue the momentum? We do. Thanks to the continued support for the National Estuary Program, Alabama has been given the resources possible to sustain a backbone organization, the Mobile Bay National Estuary Program, to coordinate the many community efforts working toward a common vision: Alabama’s estuaries, where the rivers meet the sea, are healthy and provide an abundance of ecological and human uses. There is an African proverb, “It takes a village to raise a child.” Along the Alabama coast, it takes the entire community to protect our way of life.

Interview with Jimbo Meador

Certified Master Naturalist Jimbo's Delta Excursions

Point Clear's Jimbo Meador is a bonafide lower Alabama legend. Tales of him running bearded in swim trunks through area golf courses are true, while wilder, less verifiable ones of him wrestling alligators and hauling nutria out of the swamp are told with equal gusto. He generally wears a ball cap over long hair, sunglasses hanging from his neck, khaki fishing pants, and sandals or bare feet. He owns a custom-built boat he runs from near the Bluegill Restaurant for Jimbo's Delta Excursions, guiding small tours and sharing information about the Mobile-Tensaw Delta waters he's plied for almost 70 years. He has forgotten more about those waters and coastal Alabama than most of us knew.

As the spill unfolded, Jimbo was with Dragonfly Boats building stand-up paddleboards for fly fishing and flats boats for bonefishing. When they heard about the oiled birds to the west, they designed and built extremely shallow-draft boats with cleaning stations to retrieve and clean up the birds. They made one for the Gulf Coast Research Lab in Ocean Springs, another for an operation in Fort Morgan, and a third ended up at the Dauphin Island Sea Lab for use in their manatee program.

Jimbo was frustrated by barriers to recovery in early spill responses. He was told only the feds could touch oiled birds, which at the time were considered "evidence," so he negotiated an arrangement where volunteers could treat oiled birds with one federal person onboard. When aerial dispersant application began, he felt "out of sight, out of mind" was a weak approach. The worst may have been when

oiled sargassum beds, floating nurseries for over 130 species of pelagic fish and turtles, were set afire as part of a controversial clean-up program.

The outlook was dark. Jimbo felt the spill would adversely affect seafood markets, commercial fishermen, boat captains, and even guides – anyone making living from the water. But he held onto hope, saying, "No matter what happens, I try to always think there's a good reason for it." The only good thing he expected would be money available for conservation and restoration in the destroyed marine world, though his thoughts about dispersants tested the limits of optimism.

Jimbo doesn't know how another deep-water spill can be prevented and fears this could happen again. He feels regulations should be more stringent and agencies should more aggressively observe what's going on. "That's the biggest problem," he says. "They couldn't stop it. The best outcome was for people to realize we can't have this happen again." He wonders what's different now.

He sees estuaries and nursery habitats suffering. While he acknowledges the oil spill was a significant hit, he knows "we've got a whole lot more problems than the spill. We've got overpopulation. I'll take people on tours of the Delta, showing and naming invasive species. I'll ask, you know the worst invasive species we have? Us. Humans." He reminisces about clear Eastern Shore waters lined with seagrass beds when he was a kid. People built the first piers out past the grass beds so they

could swim without wading through the grass. He said seagrass makes water clear by trapping sediment. Back then, he would flounder on calm nights, able to see the bottom. He fears the next generations will have no idea how good things were and be oblivious to what we've lost.

"I'm really serious about this," he said. "If you cover your lawn with a tarpaulin, how long will it live without photosynthesis? You can pull up the tarp and plant more grass, but it's gonna die right away without sunlight. It's the same thing with muddy water and sea grass. If the water's muddy, it's like a tarp keeping sunlight out. Chicken and the egg. You can't have clear water without the grass, and you can't have the grass without clear water. How are we ever gonna get it back?"

"When it used to rain, water went into the soil, was absorbed, and went into the aquifers. Now, having paved and roofed everything, the rain is running off carrying silt, dirt, and nutrients into tributaries, rivers, and the Bay. How do we take care of all that runoff?" he asks, suggesting, "You've got to have buffer zones or ideas how to stop it." He hopes some land is conserved and not developed. "They need to build parks. Let's have some grass and ground. Let the rain go where it needs to go, instead of running down streets and gutters and into drainage pipes. There's more pavement, more roofs, and less ground. That's the whole problem, but you can't stop people from building houses."





A Watershed Approach to Resource Management

The Mobile Bay National Estuary Program's Comprehensive Conservation and Management Plan, created collaboratively by Management Conference partners, prescribes a watershed approach and development of watershed management plans (WMPs) to manage the State's estuarine waters and resources. It is a shift from traditional city planning, where geopolitical boundaries limit available actions to address threats. A WMP is concerned with areas, independent of political boundaries, that drain to common receiving waters like Three Mile Creek, Dog River, Weeks Bay, or D'Olive Creek.

A WMP takes over a year to develop, requires lots of community input, and focuses on teaching communities about their watershed with data related to governance, demographics, socioeconomics, geology and geography, biology and ecology, and hydrology and climate. It identifies stressors that threaten water quality or habitats and recommends prioritized solutions to those problems. A WMP even recommends strategies and potential funding sources to implement those solutions. Each WMP conforms to the EPA's criteria,

including Coastal Zone Act Reauthorization Amendment 6217(g), and addresses the six values most important to those living in coastal Alabama and vulnerabilities related to climate change.

In each of the aforementioned watersheds, stressors impacting receiving waters were identified in WMPs, leading to implementation of projects to address them.

- In Three Mile Creek, litter, pathogens, excess nutrients, sediment, and invasive species were major identified impairments. In response, Litter Gitter trash collection devices have been installed and maintained; the Mobile Area Water and Sewer System (MAWSS) has upgraded infrastructure, including construction of stormwater attenuation tanks and installation of new, larger trunk lines; the major source of sediments, 12 Mile Creek, is being restored/stabilized; and efforts to eliminate invasive island apple snails and terrestrial plants, such as Chinese tallow trees, are underway.

- With similar stressors identified in Dog River, MAWSS has upgraded infrastructure to reduce pathogens, address nonpoint source pollution, and improve water quality. With most Dog River Watershed wetlands lost to urbanization, approximately 300 acres of contiguous undeveloped bottomland hardwood wetlands are being acquired in the Halls Mill Creek Watershed.

- In the D'Olive Creek Watershed, where all five principal streams are impaired by siltation from development, an extensive stream restoration program has been implemented. More than two miles of degraded streams and over 75 acres of floodplains and wetlands have been restored, sediment loads have been reduced by 27,422 tons per year, nutrient loads were reduced by 111 tons per year, and Joe's Branch was removed from the State's 303(d) list of impaired waters when post-construction monitoring revealed greater than 90 percent sediment reductions.

- In the greater Weeks Bay Watershed, pathogens and sedimentation were among the most significant stressors identified. The Natural Resources Conservation Service is implementing agricultural best management practices, like livestock exclusion from streams, to reduce pathogens. A Lower Fish River Watershed Restoration Program has been initiated to restore degraded stream reaches in the Marlow community and to tributaries to the Magnolia River to reduce sedimentation.

Watershed management plans are key to identifying problems threatening our coastal waters and securing the funding necessary to mitigate them.



Interview with **Ashley Campbell**

Natural Resource Planner, Planning and Zoning Department, Baldwin County

Ashley Campbell is a lifelong resident of Baldwin County. A Natural Resource Planner for the Baldwin County Planning and Zoning Department, she formerly served as the Environmental Programs Manager for the City of Daphne. She was a charter member of the D'Olive Watershed Working Group and was crucial to the development of the D'Olive Creek, Tiawasee Creek, and Joe's Branch (D'Olive) Watershed Management Plan (WMP), published in August 2010. She has subsequently been involved in almost every step of implementation of the Plan's recommendations to restore a network of stormwater-degraded streams delivering tons of silt to fisheries nursery habitats of D'Olive and Mobile bays.

When the spill happened, she was engaged in developing the WMP. "All of the partners, Thompson [the engineering contractor], Daphne and Spanish Fort, and everybody were in the last stages of getting the Plan ready, reviewing projects, and getting them ready to go." She doesn't really watch the news, so she couldn't remember exactly where she was or what she was doing when she heard about the disaster.

Once she became aware of potential spill impacts, her department's focus shifted to submerged aquatic vegetation, which they anticipated would be affected.

She worried about all the efforts by the D'Olive Watershed team. Partners expected (or feared) it was going to derail or slow the planning process in the Watershed. "I was worried. We had the County on board, Daphne, Spanish Fort, and tons of agencies together. We were ready to move forward, and then BANG..." She was anxious it could shut them down. It did not.

As time passed, she marveled, "Who knew the spill would turn out to provide the funding from NFWF [the National Fish and Wildlife Foundation's Gulf Environmental Benefit Fund] to pay for the projects recommended in the WMP? Who would have ever dreamed that?" With a WMP in place and recommendations already prioritized, projects were nearly shovel ready. "When the first NFWF funding came down, we had already finished the Joe's Branch step-pool project. I think between the Plan and the success at Joe's Branch, it 100% resulted in us getting funding from NFWF for restorations across the Watershed."

"Because we had an implementable WMP, we set a precedent for future watershed planning. From now on, watershed planning will be a part of all restoration in our area. When we got the \$6 million in late 2013, I think I danced a jig. Dreams do come true. But then we got hit with that huge rain in April 2014. We had to go back and ask NFWF to double the amount. It tore us up. But guess what? They said yes! From that day on, D'Olive restoration became a success." She says it works when you study your watershed, pull your partners together, hold stakeholder

group meetings and create a live document to guide actions. "Daphne and Spanish Fort followed through with Plan recommendations to update environmental regulations and install wetland and stream buffers. Everything changed in the last ten years. Partners stepped up and let the Plan guide them."

She recommends a video "that still gives [her] goosebumps": *Protecting Alabama's Waters* (<https://www.mobilebaynep.com/videos/protecting-alabamas-waters>). "It's about planning and what it did for us. It was all of us that made the D'Olive restoration program a success. An urbanized stream [Joe's Branch] delisted for sediment [by ADEM in April 2020]? That doesn't happen! It could only happen with a good WMP and great partners. Watershed planning leads to funding, which leads to delisting. That's what it's all about."

She believes completing development of plans for the two coastal counties and updating ones where many projects have been implemented would be among the best investments of remaining spill-related funding. "We'll continue to seek grant money in the future. Even when we run out of oil spill money, these plans will be used to decide where funding will be directed to the largest impairment or where we'll get the best bang for the buck."

"We don't do it because it's political. We do it because of the potential environmental improvement or sometimes opportunities for partnerships with people willing to step up and do the right thing."



Total Quality Management in Watershed Management Planning

Total Quality Management (TQM) is a business term used to describe a management approach to long-term success through customer satisfaction. TQM is based on all members of an organization or effort participating in improving the processes, products, services, and culture in which they work. The Mobile Bay National Estuary Program employs elements of TQM throughout watershed planning, where the customers – watershed residents and stakeholders – are brought to the table in initial stages of planning to establish and work towards common goals.

Developing a watershed management plan (WMP) is process-centered, with steps like analyses of watershed characterizations and conditions, land use and land cover, surface water quality, and habitat conditions key to identifying critical areas and issues and prescribing appropriate and effective management

measures. Fact-based decision making, another element of TQM, is integral to the watershed approach.

When development of the 2010 D'Olive WMP was initiated, primary stakeholder concerns were centered around sedimentation and resultant shoaling in the Lake Forest lake, generally blamed on new construction north of Interstate 10. Through analyses, the real problem was identified to be erosion of stream banks throughout this hilly, rainy, erodible, and developed Watershed. The excessive siltation was manifested not only in the lake, which served as a sediment trap, but also downstream in seagrass beds of D'Olive and Mobile bays. The WMP prescribed restoration of the degraded tributaries supplying the sediments as a primary management measure.

The sources of the excess sediments impacting the waters of Daphne were degraded streams in the Joe's Branch Subwatershed in Spanish Fort across municipal boundaries. TQM prescribes a strategic and systematic approach requiring everyone "at the table." With

both cities invested in improving conditions in their shared D'Olive Watershed, the MBNEP established the D'Olive Intergovernmental Task Force, which included the mayors of both cities along with State agency representatives, to provide municipal oversight of WMP implementation. With land development the only causative factor under human control, the cities strengthened stormwater and stream buffer regulations to make them more uniform and effective in protecting receiving waters.

Another TQM element is continuous improvement. After over a decade of successful D'Olive WMP implementation, the WMP is being updated. The revised (and improved) D'Olive WMP will conform to EPA criteria and the Coastal Zone Act Reauthorization Amendment 6217(G) and address the six values of the Comprehensive Conservation and Management Plan and vulnerabilities related to a changing climate.



Interview with

Dr. John Valentine

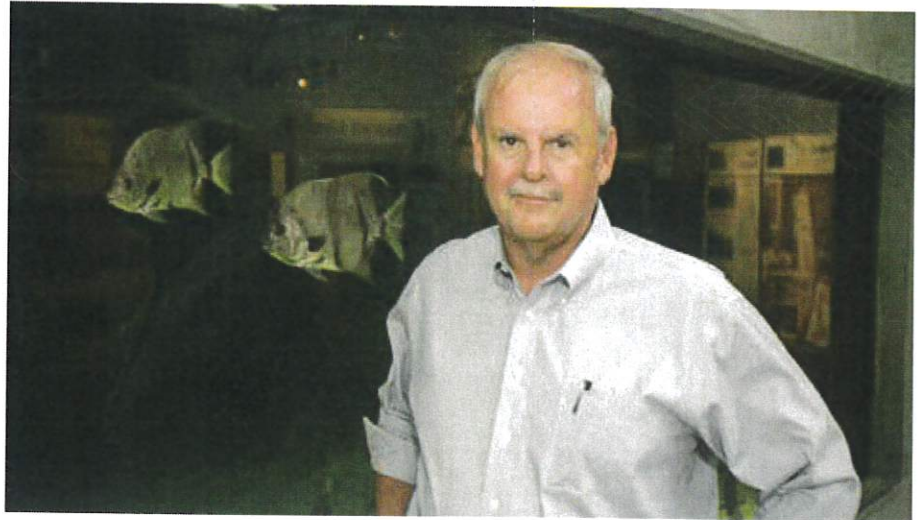
Executive Director of the Dauphin Island Sea Lab

Dr. John Valentine has been at the Dauphin Island Sea Lab since 1988 and chaired the Sea Lab's University Programs until his appointment as Executive Director in 2011. He is considered an expert in experimental marine ecology, plant-animal interactions, and human-dominated ecosystems. Under his direction, the DISL was selected in 2019 as the home of Alabama's Center of Excellence with funding from the U.S. Department of Treasury in cooperation with the Alabama Gulf Coast Recovery Council and State of Alabama.

As the *Deepwater Horizon* oil spill unfolded, Dr. Valentine led University Programs in trying to secure an organized response to the event and its impacts, thinking it was impossible, at the time, to separate fact from fiction. With the coast in a 24-hour news cycle, emotions running extraordinarily high, and BP extremely confident they would be able to handle the situation, he headed into the response effort concerned about the lack of organization, with baseline conditions not well-defined and no response plan in place.

His involvement was at first limited, but that changed when his predecessor, Dr. George Crozier, charged him with pulling together a team of scientists to develop initial resource assessments. There was little historical data to inform efforts – just a “report here or a report there” – and no comprehensive assessment of coastal Alabama biological resources. The team of scientists recruited from across the DISL campus began working with the Northern Gulf Institute in Mississippi, who received some funding from BP to get out and start sampling and assessing impacts.

In late April 2010, the State of Alabama received \$5 million from BP for additional assessments. Governor Riley charged the



Marine Environmental Sciences Consortium, aka DISL, with this task. Through proposal solicitations, conversations, and meetings, they recruited 107 investigators from the 17 member schools to participate in the various assessments, from tiny microbes and meiofauna to sharks and other apex predators, requiring tremendous effort and lots of coordination. Dr. Valentine felt they did a “pretty good job” under great pressure, considering they had little time, tough circumstances, and no existing baseline from which to evaluate trends. The teams created baselines in about four weeks. “It was a big effort.”

Dr. Valentine found few “positives” related to the event, other than having the extraordinary value of Gulf of Mexico resources brought to the nation's attention. One benefit arising from the event was that we learned “a hell of a lot about how the northern Gulf of Mexico functions and the remarkable resources found here.” Yet, even now, he worries we don't hear too much about “what we do next time.” He noted the lack of long-term monitoring following the 1979 Ixtoc oil spill in Mexico, and he is concerned we are headed in the same direction. Determining what is natural and what is man-made can only be achieved through monitoring, and he recommends the Gulf states and industry partner to

establish a long-term monitoring plan for the Gulf.

Dr. Valentine believes the “shop is largely closed” with regard to remaining spill-related funds for research efforts beyond support for the Center of Excellence. The Center recognizes the need to better understand and mitigate existing stressors like nutrient pollution with a whole new set of stressors coming online related to a changing and rapidly warming ocean. The Center is conducting studies to determine how current stressors and projected future stressors will affect coastal conditions. Without judgements, the Center hopes to provide data to answer questions like “How will saltwater intrusion affect aquifers? How will small increases in sea level affect the Delta? Will we see tropical species in the northern Gulf? Will there be a reorganization in coastal food webs?” The Center hopes to investigate restoration success to determine if projects really worked and to provide the State with data to guide management. Encouraging long-term monitoring to figure out which changes are natural and which are man-made is important to both perceptions and planning. He stresses the importance of monitoring above all. “Monitoring is not a short-term project. It needs to be a long-term commitment.”



Coastal Monitoring by the Alabama Department of Environmental Management

The Alabama Department of Environmental Management monitors water quality in the streams, rivers, estuaries, and nearshore coastal waters of Alabama on an annual basis to collect current water quality data, document long-term water quality trends, identify sources of impairments, and develop protective water quality criteria. ADEM has divided Alabama's coastal waters into three areas that include multiple monitoring stations in Mississippi Sound and its tributaries on the west (monitored in 2022), Mobile Bay in the center (to be monitored in 2023), and Perdido Bay and its tributaries on the east (to be monitored in 2024).

The areas are rotated, with a different area monitored every year and data collected for eight consecutive months (from March through October) each year. Unless a special study is authorized by ADEM's Water Division based on total maximum daily load development or issues of timely interest, each area is only monitored every three years.

At each monitoring station, ADEM collects data for several water quality parameters, including nutrients, metals, and chlorophyll, which require laboratory analyses, as well as in situ parameters like temperature, dissolved oxygen, pH, and salinity. Biologically, only chlorophyll and *E. coli* and *enterococci*, sampled in the beach monitoring program, are monitored. Fish tissue monitoring is ongoing through a different program but at five-year intervals. ADEM works

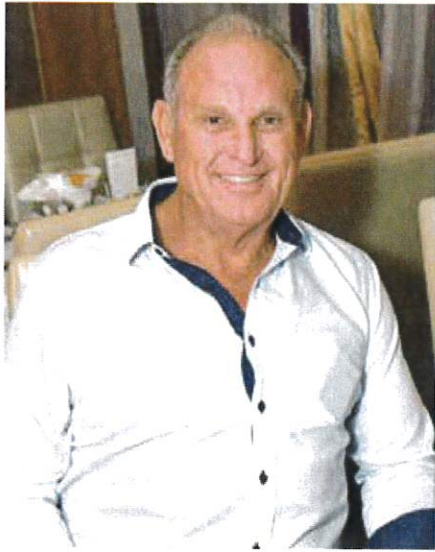
to coordinate monitoring efforts with other resource management agencies, including the Alabama Department of Conservation and Natural Resources and the Dauphin Island Sea Lab, that monitor water quality in the coastal area to obtain as much water quality data as possible and avoid duplication of effort.

As with any effort or project, the more resources you have, the more work you can get done, but all organizations – both public and private – have to operate within what their budget will support. While constrained by funding and personnel limitations, ADEM is confident their current monitoring protocols provide a good, overall picture of current water quality, as well as water quality trends, allowing them to fulfill their mission of assuring a safe, healthy, and productive environment for all Alabama's citizens and visitors.

The *Deepwater Horizon* incident has had major environmental and economic impacts along the Gulf Coast. In the wake of that incident, focus has increased on funding restoration projects, acquiring and preserving critical habitats, and upgrading infrastructure like wastewater treatment plants, all of which will benefit coastal area residents and visitors.

Funding secured from the Federal RESTORE Council has been used to support construction of a new ADEM Coastal Office. Currently, ADEM Coastal staff and programs are divided between two offices almost ten miles apart. This arrangement results in inefficiencies in communications, travel, and overall project implementation. Consolidating all those efforts into a new, state-of-the-art facility will enhance operations, increase productivity, and position ADEM to fulfill its mission along coastal Alabama for many years to come.





Interview with **Wayne Eldridge** *President, J & W Marine Enterprises Inc.*

Wayne Eldridge is a Bayou La Batre native and an Alba High School graduate who grew up working on the water, not only as a vocation, but as a favorite pastime. He enrolled at the University of Southern Mississippi but became disenchanted and dropped out, believing the seafood industry provided a better path to good money. When increasing regulatory pressures and economic hardships in the shrimping industry caused many to lose their boats, he moved into oystering exclusively. He met his wife, Pam, in 1992, opened up a shop, and began oyster processing the following year.

Four or five years later, the Alabama Marine Resources Director approached him about building a fishing reef. That was the beginning of J&W Marine, who bid their first job as Bayside Oysters and subcontracted it. It was kind of a part-time

thing for the first four-to-six years, but following Hurricane Katrina, things really got moving with a lot of contracts to clean up debris.

He was in West Virginia attending a church conference when Wayne saw the news that April morning. He didn't think much of it – “an oil rig fire. No big deal.” Then he got a call from some people he had worked with after Katrina, wanting to use his dock to load equipment. He told them, “Go ahead.” “No,” they replied. “You don't understand. You need to get down here.” He got on a plane that morning and arrived at his dock later to see 200 people loading boom on barges. “Even at that point, no one had any idea of what a big deal this was.” He leased equipment – tugboats, barges, and track hoes – to BP, deployed boom for them, and even had small boats working, running crews in and out. As the spill unfolded, J&W Marine had projects underway, including the Little Bay Restoration, breakwater installation around Coffee Island, and closing the Katrina Cut. These jobs were temporarily back-burnered because of the spill.

Wayne considers oyster reef restoration to be key for the direction of spill-related funding. His company has been involved in the creation and enhancement of private oyster leases in Louisiana, reflecting nearly \$10 million of work annually. He envisions oyster restoration on a large scale, performing similar work in Escambia Bay, Florida, where six thousand tons of rock were recently delivered for reef creation. Wayne is passionate about promoting the role of oysters for both their economic and environmental benefits. Oysters “filter the water, create habitat for fish and crabs, and create jobs,” says Wayne. He hopes to see increased attention given to oyster reef restoration and creation in Alabama as *DWH*-funded restoration work moves forward. He also believes “with the population growing, people need better access to water” and complimented the recent State-funded access improvements in southern Mobile County. He followed up by pointing out that the State of Alabama is doing an amazing job of creating and managing offshore fishing reefs, which provide additional recreational opportunities.



Coastal Alabama Comprehensive Oyster Restoration Plan *(2021 Revision)*

The Alabama Department of Conservation and Natural Resources (ADCNR) Marine Resources Division (MRD) and the National Oceanic and Atmospheric Administration (NOAA) recently completed a *Coastal Alabama Comprehensive Oyster Restoration Plan (2021 Revision)*. It describes Alabama's existing oyster resources, discusses past and ongoing oyster restoration activities, and presents a comprehensive long-term plan to guide future oyster restoration efforts under changing climatic conditions.

Its overarching goal is to create new reefs and restore, replenish, or enhance existing reefs to improve connectivity and establish a network of intertidal and subtidal oyster resources in coastal Alabama. The Plan will increase resilience of oysters to variability in environmental conditions and other factors to support sustainable harvest and provide ecosystem services.

Annual commercial oyster landings, tracked since 1880, peaked at over two million pounds during the 1950s but have since dramatically declined to less than a quarter of that yield. This trend is blamed not only on natural stressors like hurricanes, freshwater influxes, and drought with proliferation of oyster drill

snails but also on man-made impacts like dredging, construction and maintenance of navigation channels, coastal development, and pollution.

Historically, most oyster restoration efforts in Alabama have consisted of planting cultch – oyster shell or rocks – to offer settlement substrate for oyster larvae, especially after hurricanes. Based on landings data, post-Frederic (1979) cultch planting increased productivity on Alabama's oyster reefs, at least until Hurricanes Ivan (2004) and Katrina (2005). However, despite approximately 265,000 cubic yards of cultch material deployed since 2004, the trend of declining oyster productivity continued through 2018. The differences in outcomes between historical and more recent cultch planting efforts appear to be related to changing environmental conditions like temperature and salinity. These include temperature-related, prolonged hypoxic (low O₂) or anoxic (no O₂) conditions and changing precipitation patterns leading to stressful freshwater inundations and drought. It has become clear that traditional cultch planting alone is no longer a viable solution for long-term oyster restoration.

Lessons learned from oyster reef restoration experiences have informed development of strategies recommended in the *Comprehensive Oyster Restoration Plan*. Some strategy components already under implementation include:

- Use of cultch material with increased longevity, such as limestone, since most

oysters harvested in fall 2018 were culled from limestone rock planted in 2015.

- Mapping and characterizing substrate using side-scan sonar to assess historically productive oyster reefs and identify previously unknown areas with bottoms suitable for oyster restoration.

- Investigating advantages of arranging different cultch types in different configurations to promote settlement and growth, since some of the State's historically productive oyster reefs no longer produce due to altered environmental conditions.

- Construction of an oyster hatchery at the MRD's Claude Petet Mariculture Center in Gulf Shores along with upgrades to their remote set facility on Dauphin Island. Remotely set, spat-on-shell oysters will be deployed to existing reefs to increase oyster density and enhance larval recruitment as reefs are being restored.

The Plan's strategies also include use of living shoreline measures to reduce impacts of erosion, the volunteer-based Alabama Oyster Gardening Program to enhance existing oyster reefs, and the Alabama Coastal Foundation's Oyster Shell Recycling Program, which recycles oyster shells from local restaurants and returns them to State waters to provide settlement substrate for spat.



Interview with Tina Sanchez Director of Environmental Services, Mobile County

Tina Sanchez is Mobile County's Director of Environmental Services. She manages the County's Environmental Grants Program and oversees the MS4 Stormwater Management and Conservation Property Management programs, environmental regulatory compliance, the Parks and Recreation Department, solid waste management, community resilience and disaster recovery, and the Environmental Enforcement and Animal Control departments. Before assuming these responsibilities at the County, she was an Environmental Planner for the South Alabama Regional Planning Commission.

She doesn't remember the moment she heard about the *Deepwater Horizon* explosion but does remember the feeling of shock and sadness for the people lost and hurt in the accident. She was dismayed at the magnitude of the oil spewing into the Gulf of Mexico, her home.

At the local government level, she felt she and her colleagues didn't have much of a role in the early response. There was a chain of command, and she understood that initial actions were in the hands of

federal and state agencies, the Coast Guard, NOAA, and ADEM. Local governments depended upon those entities to mount the response and recovery, and to lead the way...until the July 2012 signing of the Resources and Ecosystems Sustainability, Tourist Opportunities, and Revived Economies (RESTORE) Act.

After reading the RESTORE Act, Ms. Sanchez began to realize there may be some silver linings to this dark cloud and the Act included something for the State of Alabama. It created the Alabama Gulf Coast Recovery Council and placed local elected officials on the Council, giving them important planning responsibilities and authority.

The Council gave mayors and commissioners an opportunity to have a voice in prioritizing and funding projects with RESTORE dollars. Ms. Sanchez hoped by coming together, elected officials from Baldwin and Mobile counties, along with State officials, could use their local wisdom to guide investments in long-standing needs for improving our coastal environment. She firmly believed, after 20 years of serving with them, that local governments were where real change would be made.

Now, Ms. Sanchez believes the Council and the community have learned how to identify projects and programs for water quality, habitat restoration, and conservation and recognize opportunities

to support the economy even under funding constraints. "We have come to understand that projects take a lot longer than we would like, moving through concepts, grants, engineering and design, and construction, and extra time should be budgeted into larger projects.

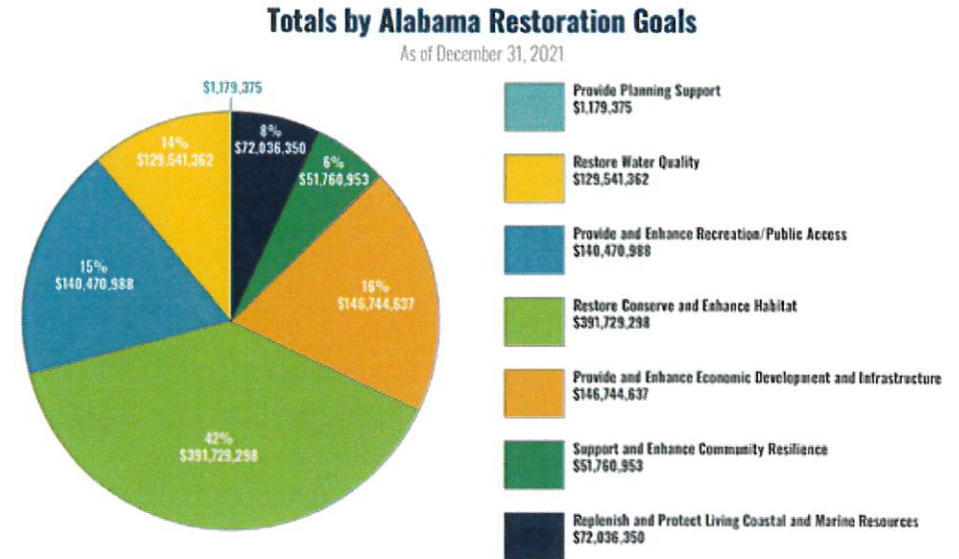
"Local governments have learned through on-the-job training and trials by fire in developing projects meeting funder's expectations. In the future, we could learn more from states like Louisiana, because they've been working at restoration and recovery with more resources and for much longer. They've undertaken large-scale projects, marsh restoration and dredging, to restore thousands of acres and hundreds of miles. It seems like we can learn from each other."

She credits the MBNEP framework and Management Conference and long-term relationships between stakeholders in government, the private sector, the community, and environmental groups as having been instrumental. Knowing each other, having worked together to protect Mobile Bay and the Alabama coast, and employing a watershed management planning approach have all been key to getting things done. "Identifying needs and potential solutions with the stakeholders at the table through the watershed planning process has led to impactful projects being advanced to the Council for funding through RESTORE."

Alabama Coastal Restoration Program Project Submission Portal

Following the *Deepwater Horizon* incident, the Alabama Coastal Restoration Program (ACRP) was created by the Alabama Department of Conservation and Natural Resources to inform project selection and distribution of funds associated with the various spill-related funding streams. One innovative approach used during this process was establishment of a restoration project selection portal (Portal), which serves as an initial screening tool aiding State resource managers in vetting project ideas before proceeding through a more formal proposal development process. The Portal, which can be accessed through <https://www.outdooralabama.com/alabama-coastal-restoration-program>, allows anyone interested in restoration and conservation efforts in coastal Alabama to not only view project submissions but to actually submit their own project ideas for consideration.

The Portal also serves as a valuable tool during the development and implementation of coastal watershed management plans. As plans reach the project development and prioritization stage, the Portal provides an initial gauge of priorities within a given watershed along with previously submitted projects included as watershed plan priorities. Projects prioritized as part of the watershed planning process are likewise entered into

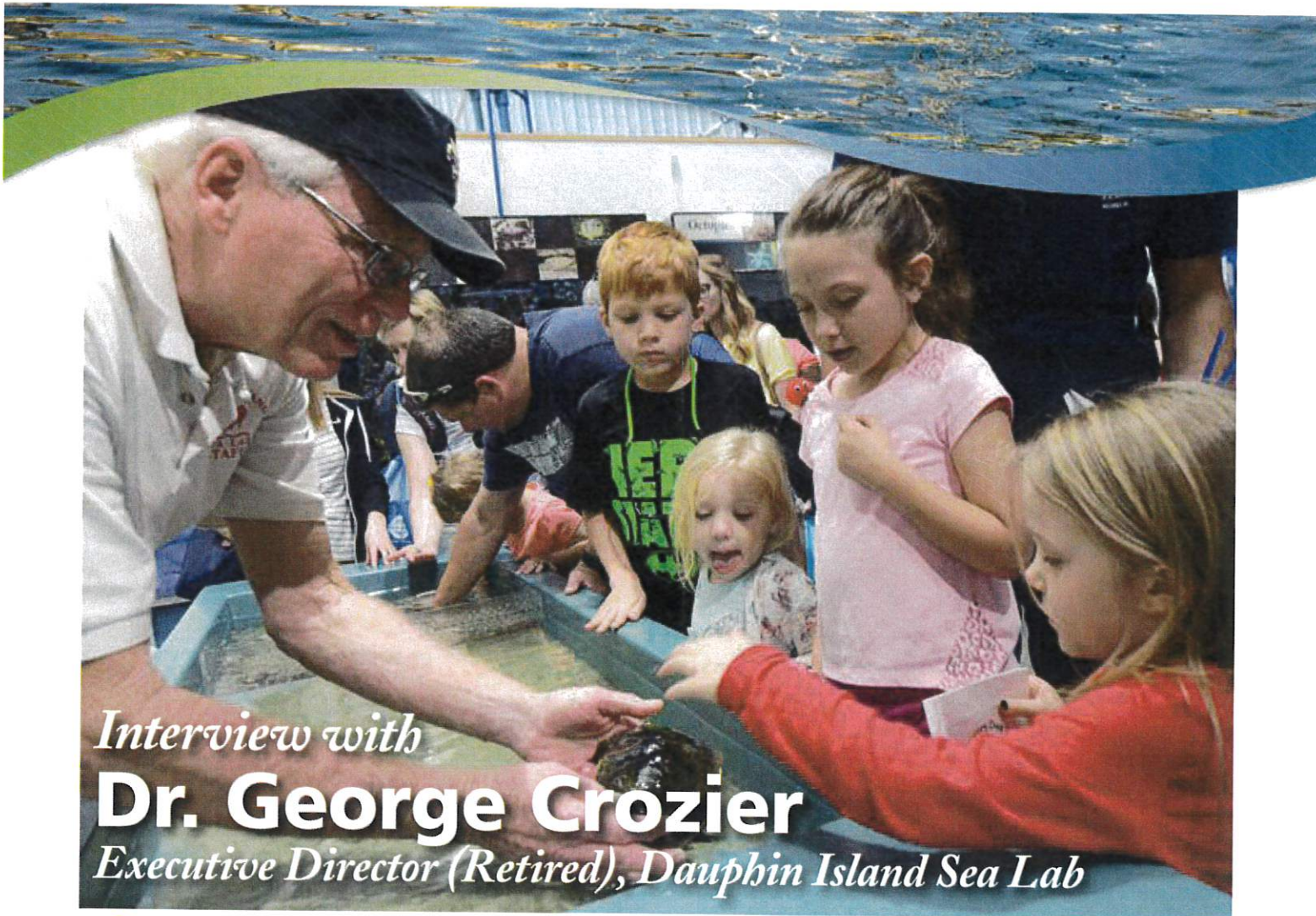


the project Portal. Initial project ideas have been submitted during the planning process and led to implementation even before completion of the plans. One such example is The Nature Conservancy's Lightning Point shoreline restoration project, which was identified as a priority during the development of the Bayou La Batre Watershed Management Plan with implementation initiated even before it was published.

As a result of the efforts of coastal stakeholders to submit project ideas, the Portal has emerged as a robust database of restoration and conservation priorities identified through extensive watershed-based community planning and vetting processes conducted throughout Mobile and Baldwin counties. This source is routinely utilized by State resource managers to identify projects for

implementation when additional funding sources become available. Although born of necessity to aid distribution of *Deepwater Horizon*-related funds for project implementation, funding for Portal projects are not limited to spill-related sources. The Portal has routinely been tapped for other opportunities, including Gulf of Mexico Energy Security Act (GOMESA) funding.

In short, the ACRP has created a unique opportunity through the project Portal to allow everyone who lives, works, and plays in coastal Alabama to have direct input over restoration and conservation priorities ultimately brought to fruition.



Interview with
Dr. George Crozier
Executive Director (Retired), Dauphin Island Sea Lab

Dr. George F. Crozier is one of the country's most respected and experienced marine scientists, having served for 32 years as Executive Director of the Dauphin Island Sea Lab. Since 1977, he led a fledgling organization from humble beginnings on the east end of Dauphin Island to its position today as a global powerhouse in marine research and education.

Dr. Crozier has seen his fair share of growth and development in the field of marine science. He obtained his Doctorate from Scripps Oceanographic Institute in San Diego before it had even yet been incorporated into the University of California system. He has witnessed the massive global focus in the field brought about by the phenomena and impacts of climate change.

With important questions swirling around the fate of our oceans from every angle – ecological, environmental, economic, and existential – Dr. Crozier

said increased interest in the field could not have come at a more crucial time. But his reaction to the question of what he thought when he first heard about the *Deepwater Horizon* oil spill might surprise you.

“You know to be honest with you, one of my first thoughts when I heard about the *Deepwater Horizon* spill was shock at the depth of it. I thought to myself, they are drilling five miles down? Depth of oil exploration was not something I had paid particular attention to, and I found that fact to be astounding.”

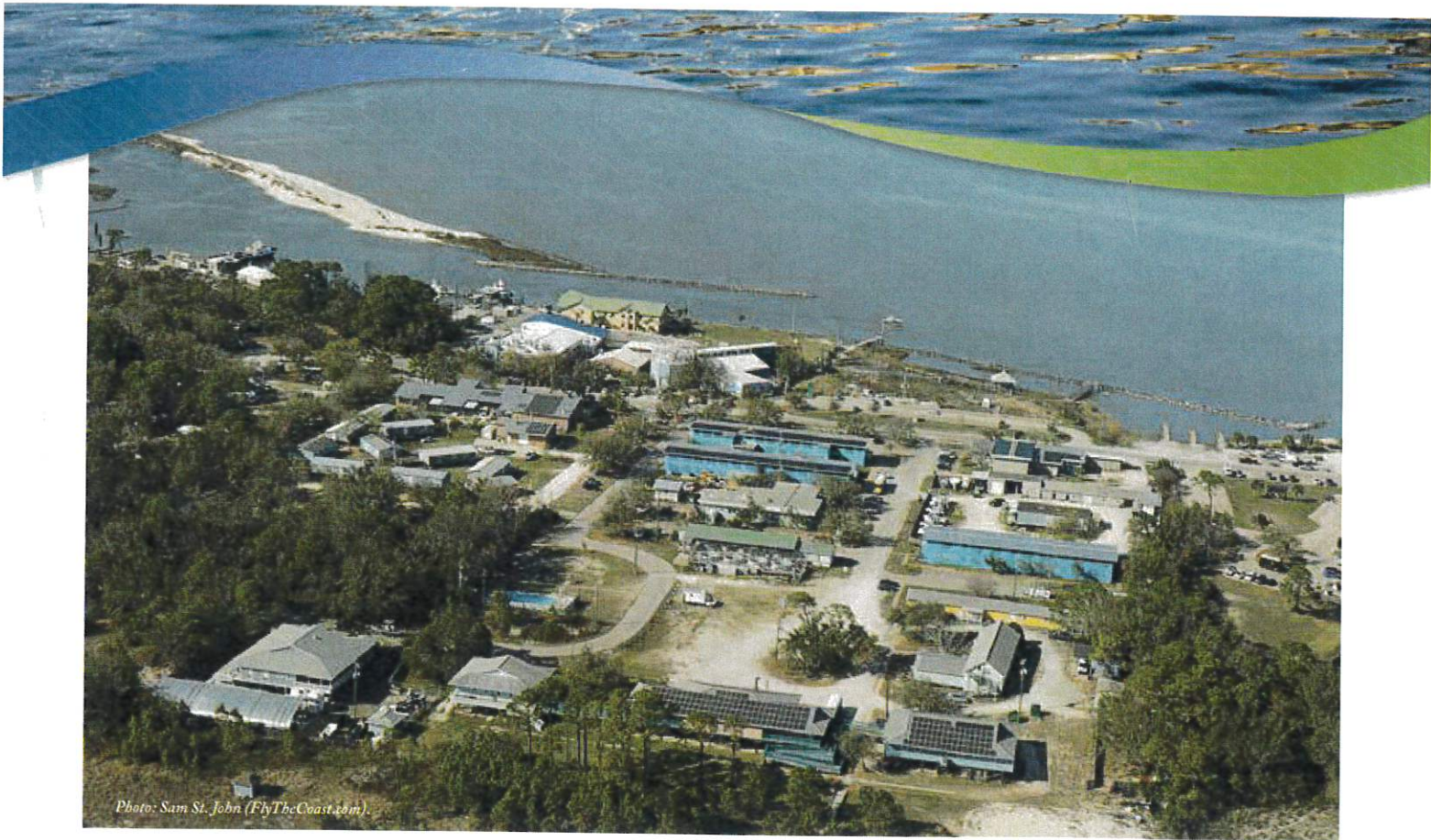
Some things stood out in particular for the former Sea Lab Director. “I was obviously, like everyone, horrified. But I do remember, even in those early days, having that fear tempered a bit by my knowledge of the ecology of the Gulf itself. The Gulf is an oil-rich ecosystem, or actually many, that for millennia – eons – have been consistently exposed to petroleum. Certainly not in those amounts. That was unprecedented. But my knowledge of the flora of the Gulf and its capacity for at least some

petroleum resistance, softened my expectations.”

Still there were lessons. “I think what really was drawn into sharp focus is how little we know about the deep ocean or even the ocean just several hundreds of feet deep.

“The oceans are powerfully dynamic systems of currents and upwellings, conveyor belts of incredible energy bringing colder temperatures up from the depths and pushing warmer waters below. It’s in some of these most active transition areas where sea life is most abundant.

“Did you know with all this focus on climate change and the warming oceans, we actually know very little about temperatures much below the surface? And not only do we not have historical data to make comparisons, we don’t even have much contemporary data to speak of...there is no global database.” Dr. Crozier elaborated, “For instance, without knowing that, it’s very hard to predict how changes in climate will affect hurricanes in our area. This research is not being funded.”



The Dauphin Island Sea Lab/Marine Environmental Sciences Consortium – Alabama’s Center of Excellence

The RESTORE Act dedicates 2.5 percent of the Gulf Coast Restoration Trust Fund to the five Gulf states to establish Centers of Excellence for science, technology, and monitoring. The Dauphin Island Sea Lab (building upon the network of 23 public and private colleges and universities of Alabama’s Marine Environmental Sciences Consortium) is home to Alabama’s Center of Excellence (ALCoE). The ALCoE will, in turn, grant competitive sub-awards to nongovernmental entities to investigate the effects of multiple environmental stressors, including climate change, on the future health of the northern Gulf of Mexico and its wildlife and ecosystems. Almost \$8 million from RESTORE will be used to fund research projects, monitoring, and facility upgrades.

In the face of a changing climate, research projects funded by the ALCoE over the next three years will include investigations of hypoxia on the Alabama shelf; living shorelines as alternatives to armoring; oyster growth; distribution patterns and habitats of manatees; tidal freshwater wetlands of the Mobile-Tensaw Delta; coastal Alabama groundwater resources; development of a platform for coastal monitoring, assessment, and predictions; and development of a framework to use communities of tiny interstitial animals (meiofauna) as environmental indicators.

In addition to funding research, the ALCoE has committed funds to monitoring efforts in both coastal Alabama counties. As part of the Smithsonian’s MarineGeo Network, the ALCoE is monitoring changes to seagrass and saltmarsh habitats over time and, with the AL Marine Resources Division (MRD), examining

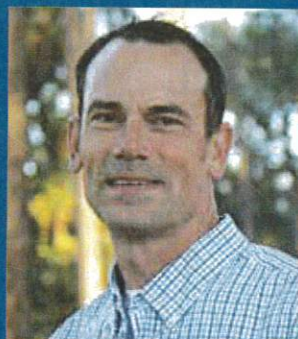
feasibility of using environmental DNA for fish sampling and joining the MRD in trawl sampling to comparatively analyze these two monitoring techniques. The ALCoE is providing partial funding to the Alabama Real-Time Coastal Observation System (ARCOS) for needed upgrades to hydrographic and meteorologic sensors at three of the network’s seven stations and for annual maintenance. This investment will improve the quality and longevity of data provided to an array of coastal stakeholders, from the U.S. Coast Guard and NOAA to recreational anglers.

In addition to the research and monitoring, RESTORE-funded upgrades to the DISL’s wet lab facilities will include the installation and maintenance of equipment that can mimic changes in chemical and physical properties of the water column, including pH, temperature, and oxygen concentrations.

Coastal Alabama Governor's Conservation Achievement Award Honorees



ROBERTA SWANN



ERIC SPADGENSKE



SCOTT BANNON



DEBI FOSTER

On October 22, a convoy of resource management stars finally had the opportunity to head up I-65 from Lower Alabama to the Prattville Marriot for the 2021 Alabama Wildlife Federation's Governor's Conservation Achievement Awards. The event was originally scheduled in early August, but with COVID surging, the opportunity to receive the State's most prestigious conservation awards was postponed until October. For over 40 years, individuals and organizations making the greatest contributions to conserving Alabama's wildlife and natural resources have received these awards. The team of coastal 2021 GCAA recipients included Roberta Swann of Coden; Eric Spadgenske, who recently moved from Daphne; and Scott Bannon and Debi Foster, both from Mobile.

Roberta Swann, Director of the Mobile Bay National Estuary Program since 2009, was honored as the 2021 Conservationist of the Year. She directs an EPA-funded National Estuary Program, nine full-time staffers, and a Management Conference of six working committees and over 350 key stakeholders from the two coastal counties. With an MBA in Public/Non-Profit Management from Boston University,

Roberta quickly admits she is not a scientist, but she has developed a keen understanding of the needs of Alabama's estuarine resources and applies her vision and organizational skills to ensure those needs are met. Formerly a community developer, she skillfully brings people together, focusing on an issue and developing effective strategies to address it. She has overseen two updates to the MBNEP's original Comprehensive Conservation and Management Plan (CCMP), a collaborative blueprint for managing Alabama's estuarine waters. Under her watch, the Program and CCMP have garnered national attention for employing a "watershed approach," developing watershed management plans to ensure restoration and conservation efforts are based in science, fit into an overall management program, and address threats to receiving waters. Over the past decade, the MBNEP has secured over \$36.8 million in external funding to develop management plans for all of Alabama's tidally influenced watersheds and implement projects recommended to restore streams, stabilize shorelines, provide access, control invasive species, and create vital habitats to benefit fishery and wildlife resources. Although she is involved in every aspect of planning and project implementation, Roberta purposefully steers clear of the spotlight, deflecting attention and credit to the Program and Management Conference partners.

Eric Spadgenske, who spent the last 17 years with the U.S. Fish and Wildlife Service's Partners for Fish & Wildlife Program, was honored as the 2021 Wildlife Conservationist of the Year. Eric recently moved from Daphne to Rociada, NM, to become Project Leader for the Northern New Mexico National Wildlife Refuge Complex. In Alabama, he implemented successful habitat restoration programs for non-game species like the rare red-cockaded woodpecker (RCW) and the recently-listed trispot darter. Eric's work at the Sehoj and Enon plantations resulted in dramatic RCW population increases from a precarious three groups in 2007 to the current and stable 40 groups. He worked with landowners and managers to restore hundreds of acres of longleaf pine forest on private lands. His pioneering work in removing old and obsolete Alabama dams has contributed to water resource improvement benefitting entire stream and river aquatic ecosystems. He spearheaded the removal of the obsolete Howle and Turner Dam on the Tallapoosa River, significantly improving water quality, restoring flow, and removing a migration barrier to aquatic species. He oversaw removal of the obsolete Shadow Lake Dam on Turkey Creek, the only known home of the endangered vermilion darter. As the City of Livingston switched to groundwater as its drinking water source, he successfully oversaw removal of an old water supply dam in ill repair. Its removal not only



eliminated a safety hazard for boaters and a liability for the City but also restored habitat and passage for several species of fish and mussels. Eric's achievements in restoration programs are powered by his vision and ability to bring individuals and groups together. Retired GSA Deputy Director Pat O'Neill says, "Eric's tool bag always has the right instruments available and ready to go just waiting for the right opportunity."

Former Chief Enforcement Officer and current Director of the Alabama Marine Resources Division since 2017, Colonel **Scott Bannon**, a U.S. Coast Guard veteran and Reserve Command Master Chief, was honored as the 2021 Fisheries Conservationist of the Year. He spearheaded and coordinated efforts to provide safe and convenient access to fishery resources in coastal Alabama, including boat ramp improvements at Bayou La Batre, West Fowl River, Dauphin Island, Fort Morgan, Daphne, and Orange Beach. He continues to lead the State's efforts to ensure proper management and access to important reef fish, continuing to move these fisheries from federal control to State management. Two years ago, Colonel Bannon recommended changes to the size and creel limits for flounder and speckled trout, which, at the time, were controversial in the fishing community. However, stocks of both species have since shown tremendous improvement. Alabama Department of Conservation and Natural Resources Commissioner Chris Blankenship remarked, "His steadfastness on doing the right thing, even in the face of dissent, has proven to make positive differences in these fisheries." He has worked hard to expand the Alabama artificial reef zones. In 2021 he secured a U.S. Army Corps of Engineers permit to expand seven nearshore reef zones by over 12,000 acres, adding over 51 square miles to the current Swingle Reef Zone south of Dauphin Island. He and his MRD staff have contracted to invest more than \$8 million constructing inshore and offshore reefs in 2021. His staff will oversee construction of an oyster hatchery at the Claude Petet Mariculture Center in Gulf Shores and expansion of the remote set facility on

Dauphin Island. Oyster spat produced at these new and expanded facilities will be used to supplement and encourage oyster recruitment in Mobile Bay. With many facilities damaged by Hurricane Sally in 2020, Colonel Bannon has undertaken extensive repairs and renovations to MRD facilities on Dauphin Island and in Gulf Shores to ensure a safe, productive work environment for his staff.

Recently retired Executive Director of the Dog River Clearwater Revival and founder and leader of The Peninsula of Mobile, **Debi Foster** was honored as the 2021 Water Conservationist of the Year. From a background in broadcast and print media and City government, her passion for the City of Mobile, Mobile Bay, Dog River, and coastal Alabama's natural resources drew her into leadership. Recognizing the importance of planning, she participated in developing the City's Map for Mobile and the Mobile Peninsula Corridor Master Plan, which prescribes expanded access and water and land trails for hikers, bikers, paddlers, and other outdoor enthusiasts. She served on Steering Committees for the development of management plans for both the Dog River and Western Shore watershed complexes and was involved in the developing both the 2013-18 and 2019-23 updates to the MBNEP's CCMP. Debi also tirelessly implements good plans. She led Parkway Pride in planting hundreds of trees along Dauphin Island Parkway in the Peninsula, founded and served as Captain of the Alabama Coastal Cleanup McNally Park zone, helped secure Transportation Alternatives Program grants to install sidewalks and stormwater best management practices, led several of the DRCR's Annual MudBottom Revival Music Festivals, participated in MLK Days of Service, and helped secure a significant wetlands tract on Halls Mill Creek. Debi Foster is tireless. She recently secured an EPA Gulf of Mexico Program grant for Comprehensive Trash Abatement Program for the Dog River Watershed and managed a successful effort to assess trash sources and routes and reduce trash at a watershed scale. The Western Shore of Mobile Bay has benefited greatly from her presence and will miss her.

Alabama current connection

About the Mobile Bay National Estuary

Program: The Mobile Bay National Estuary Program's mission is to lead the wise stewardship of water quality and living resources of Mobile Bay and the Tensaw Delta. The MBNEP serves as a catalyst for activities of estuary stakeholders, helping to build community-based organizational capacity for sound resource management and leveraging commitment and investment to ensure the estuary's sustainability. For more information, please contact the MBNEP office at 251-431-6409.

About ADCNR, State Lands Division, Coastal

Section: In an effort to protect and enhance coastal resources and reduce potential conflicts between environmental and economic interests, the Alabama Coastal Area Management Program (ACAMP) was approved by the National Oceanic and Atmospheric Administration (NOAA) in 1979. The ACAMP is administered through the Alabama Department of Conservation and Natural Resources, State Lands Division, Coastal Section. For more information, please contact the Coastal Section office at 251-621-1216.

Alabama Current Connection is produced biannually by the Mobile Bay National Estuary Program. Support is provided in part by the Alabama Department of Conservation and Natural Resources (ADCNR), State Lands Division, Coastal Section; the U.S. EPA; NOAA; and the Dauphin Island Sea Lab/Marine Environmental Science Consortium.

Alabama Current Connection encourages reprinting of its articles in other publications. If you have recommendations for future articles or would like to subscribe, please contact the editor:

Tom Herder
Mobile Bay National Estuary Program
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www.mobilebaynep.com

We reserve the right to edit submissions.

Funding for this newsletter is provided by Mobile Bay National Estuary Program and the Alabama Department of Conservation and Natural Resources, State Lands Division, Coastal Section, in part, from a grant by the National Oceanic and Atmospheric Administration, Office of Coastal Management Award #21NOS4190183.

Alabama current connection

Dauphin Island Sea Lab
Marine Environmental Science Consortium
101 Bienville Boulevard
Dauphin Island, Alabama 36528

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Celebrating the 52nd Earth Day Around Mobile Bay

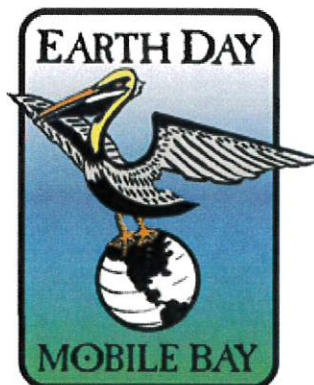
Discovery Day at the Dauphin Island Sea Lab will feature virtual and limited in-person events during the week of April 18-23. Its theme is *Invest in our Planet. Act Boldly. Innovate Broadly. Implement Equitably.* Stay tuned to <http://www.disl.edu> for updates.

The first **Love Your Community Earth Day Celebration** hosted by Mobile County, Love Your Community, and Keep Mobile Beautiful will be held from 6 p.m. until 8 p.m. on Friday, April 22 at the Mobile Japanese Gardens across Ziegler Avenue from Langan/Municipal Park. It will include educational booths, food (with recyclable containers), games, and crafts for kids of ALL ages. Love Your Community teams will be acknowledged for their neighborhood cleanup efforts.

On Saturday, April 23, the 32nd **Annual Earth Day Mobile Bay 2022**, sponsored by the City of Fairhope and Sierra Club of Mobile will be held at the Fairhope Pier Park. Enjoy environmental

displays and activities and interactive educational opportunities for children and adults from 10 a.m. until 6:00 p.m. Live music will be featured and continue until 7 p.m.

On Saturday, April 30 from 4 p.m. to 7 p.m., visit the **12th Annual Bald Eagle Bash** at Tonsmeire Weeks Bay Resource Center for food, drinks and music. Call the South Alabama Land Trust at 251-990-5004 for tickets.



www.earthdaymobilebay.org

**BAYS &
BAYOUS**
SYMPOSIUM

*Save
THE
Date*

Alabama-Mississippi
Bays & Bayous Symposium

January 23-25, 2023

Arthur R. Outlaw Convention Center

The Mobile Bay National Estuary Program and partners invite you to join them in the historic City of Mobile, Alabama, to share information on the status of research, monitoring activities, on-the-ground restoration, citizen actions, and education focused on the health of our Coastal environment.

baysandbayous.com

GULF COAST MEDIA

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\$6.5M watershed restoration planned in Fish River area

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(/)
(https://beta.creativecirclecdn.com/gulfcoast/original/20220107-093725-Marlow1_52499_tn.jpg)



Posted Friday, January 7, 2022 9:34 am

By **GUY BUSBY**

ROBERTSDALE – A \$6.5-million project to improve water quality and reduce sediment problems in the lower Fish River area will begin this year, said Jason Kudulis, restoration project manager for the Mobile Bay National Estuary Program.

Kudulis told members of the Baldwin County Commission on Monday, Jan. 3, that the NEP has received \$6.5 million from the National Fish and Wildlife Foundation for projects in Baldwin County.

"The purpose of this is to improve water quality in the lower Fish River watershed," he said.



(/)
(https://gulfcoastbanners.creativecirclemedia.com/www/delivery/ck.php?oaparams=2_bannerid=370_zoneid=8_cb=68bf5a2866_oadest=http%3A%2F%2Fwww.terry-thompson.com%2F)

"There's a number of water quality problems. What we did is an exercise to sort through those to try to prioritize where we wanted to use this investment," he added.

About \$2 million of the fund will be used for improvements on an unnamed tributary flowing into Fish River in Marlow near Baldwin County 9 and 32, Kudulis said. Bids are being prepared for that project and work is expected to be completed this spring, he said.



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He showed an aerial photo of the area to commissioners and pointed out how the sediment flowing into the river had blocked water access for local property owners. The sediment also creates a problem downriver.

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(/)"times, but even more so, that's putting sediment into Fish River that shouldn't be there at that level."

Studies of the sedimentation problems first looked at Fish River, but most of the material seems to be coming from the Magnolia River, he said.

"What we found was that none of those appear to be the actual cause of sediment and water quality issues downstream, so we expanded that umbrella to include the Magnolia River and that's where we're going to be focusing our efforts moving forward," Kudulis said.

The project will focus on three tributaries of the Magnolia River watershed. The tributaries include School House Branch, where the streambank will be stabilized to reduce erosion. Two other unnamed tributaries are also included in the plan. Kudulis said the total cost of the project will be about \$2 million more than the available funding. The \$6.5 million will pay for the Marlow work and engineering on the Magnolia River project. He said the Mobile Bay NEP will seek more NFWF funding for the rest of the project.

He said the Mobile Bay NEP has been working for several years on stream restoration in other areas of Baldwin County, such as the D'Olive Creek watershed in the Daphne and Spanish Fort area. Those projects have reduced erosion and

sedimentation problems and have held up to

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(/)

"I can tell you that at least from our experience with the \$15 million invested in D'Olive, we haven't had a failure that anyone else had to be responsible for," Kudulis said. "In the case of Marlow because of the sensitivity to the homes on both sides, we have over-engineered that and so we intended to use hardened structures throughout to restore that stream and make sure that it's able to handle what we're dealing with in Baldwin County climate-wise."

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OTHER ITEMS THAT MAY INTEREST YOU

Spanish Fort students to be redistricted (/stories/spanish-fort-students-to-be-redistricted,120034)

South Baldwin Chamber celebrates successes, challenges at 78th gala (/stories/south-baldwin-chamber-celebrates-successes-challenges-at-78th-gala,120032)

It's time for King Cake, baby: The history of the Mardi Gras staple and where to find it in Baldwin County (/stories/its-time-for-king-cake-baby,119885)

Tacky Jack's owner George 'Buddy' Skipper dies in Sunday traffic accident (/stories/tacky-jacks-owner-george-buddy-skipper-dies-in-sunday-traffic-accident,120031)

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(/)

Upcoming Events

Sat, Feb 05 @8:00pm Sponsored

Skid Row

Hard Rock Live
Wed, Feb 02 @10:30am

Lionfish Feeding at Perdido Key Chamber World Famous Pirate Ship Fish Tank

Perdido Key Area Chamber of Commerce
Wed, Feb 02 @10:00am

Friends of Southwest Branch Library Book Sales

SOUTHWEST BRANCH
Wed, Feb 02 @5:00pm

Pensacola Area History Campfire Program

Pensacola, FL
Thu, Feb 03 @10:00am

Pickleball

Gulf State Park Nature Center

Thu, Feb 10 @6:00pm Sponsored

2022 Best of Baldwin: Red Carpet Event

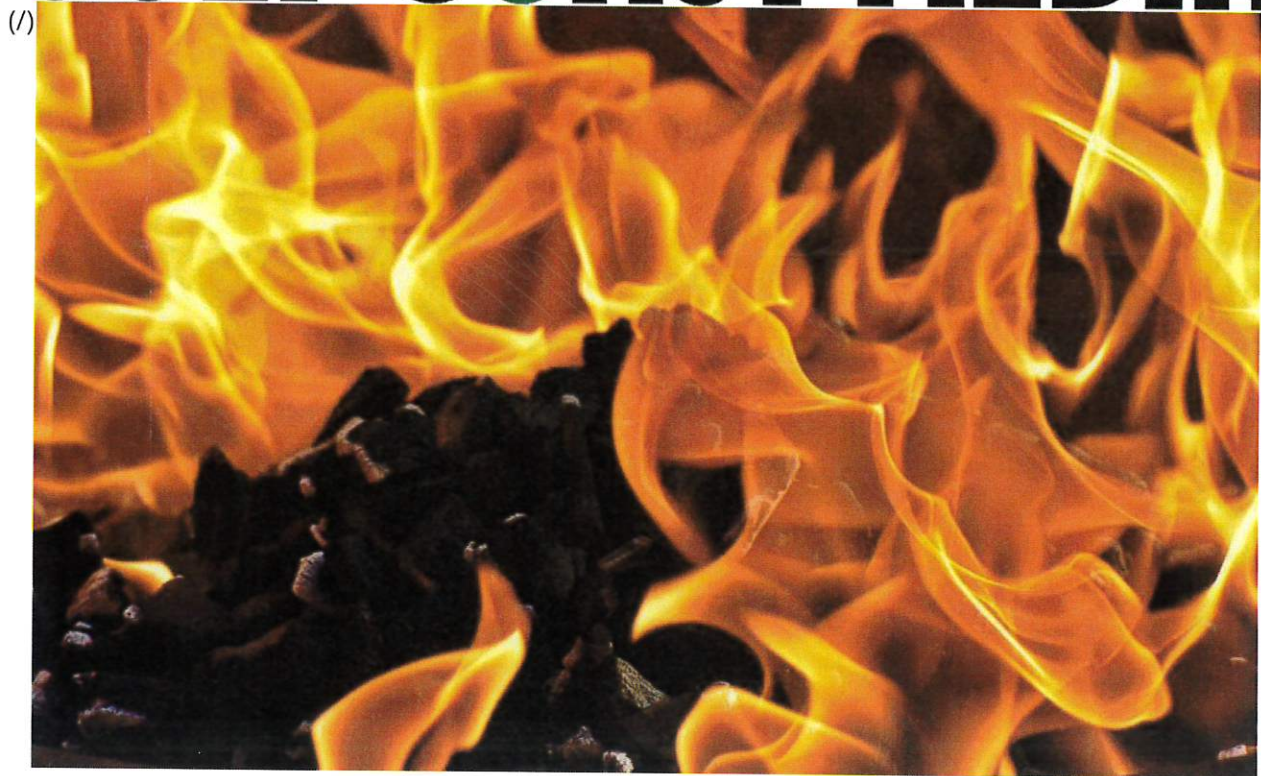
Orange Beach Event Center

[See All Events \(https://GulfCoastNewsToday.com/calendar\)](https://GulfCoastNewsToday.com/calendar)

[Add Your Event \(https://portal.citystEntry/GulfCoast\)](https://portal.citystEntry/GulfCoast)

The Book Exchange 101 W Laurel

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Kentucky man arrested after string of overnight fires near Fairhope, Barnwell (/stories/kentucky-man-arrested-after-string-of-overnight-fires-near-fairhope-barnwell,120037)



(/stories/spanish-fort-students-to-be-redistricted,120034)

Spanish Fort students to be redistricted (/stories/spanish-fort-students-to-be-redistricted,120034)

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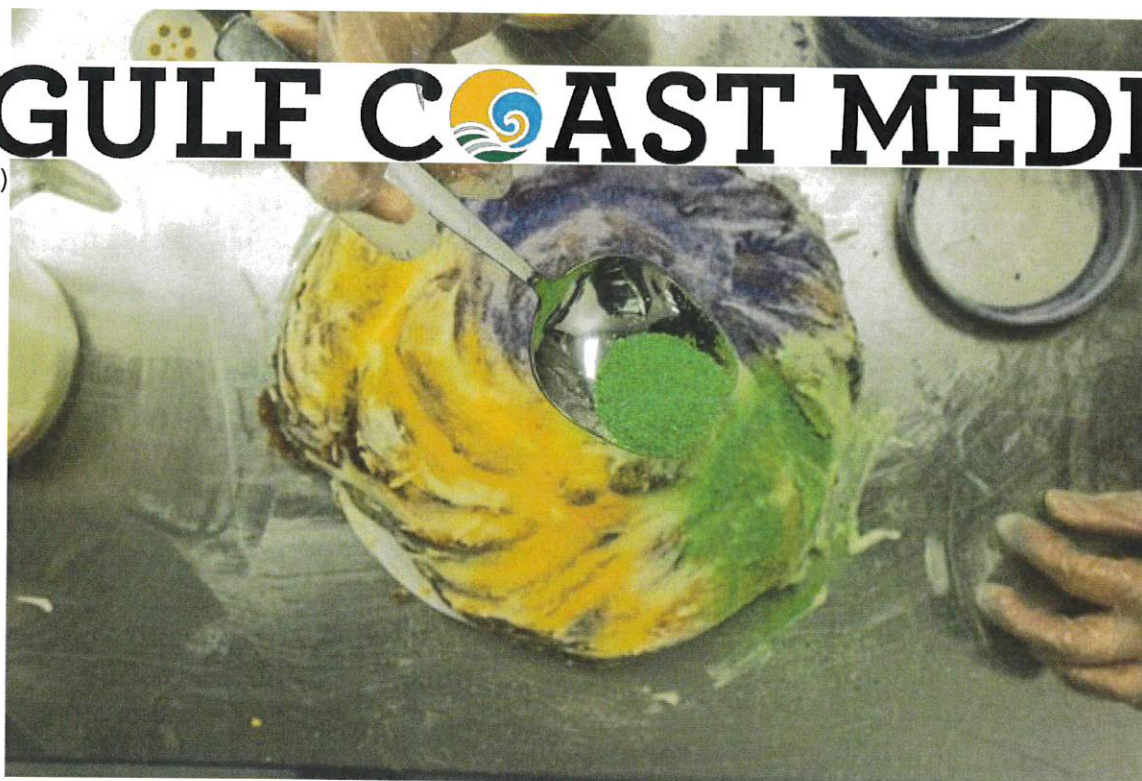
(/stories/south-baldwin-chamber-cele-

brates-successes-challenges-at-78th-gala,120032)

South Baldwin Chamber celebrates successes, challenges at 78th gala (/stories/south-baldwin-chamber-celebrates-successes-challenges-at-78th-gala,120032)

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ries/its-time-for-king-cake-baby,119885)

It's time for King Cake, baby: The history of the Mardi Gras staple and where to find it in Baldwin County (/stories/its-time-for-king-cake-baby,119885)

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Educational Outreach

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Fort Morgan

4TH ANNUAL

FORT MORGAN CLEANUP

MARCH 12TH FROM 12-4 PM

COME OUT AND HELP US
#KEEPFORTMORGANBEAUTIFUL

Trash Bags and Gloves Provided

Sponsored By :



Sign In at Fort Morgan Firestation #1 and #2



**CONNECT TO
YOUR COAST**

**Fort Morgan Clean Beach Initiative Meeting Agenda
1:00pm on Tuesday, March 22, 2022**

<https://global.gotomeeting.com/join/719746373>

OR

Dial: (669) 224-3412; Access Code: 719-746-373#

- 1. (Re)Introductions.**
- 2. Update on SurfSide Shores issue.**
- 3. 2022 Focus Area Reports:**
 - a. SurfSide Shores**
 - b. Cabana Beach**
 - c. Gulf Shores Plantation**
 - d. Morgantown**
 - e. Our Road**
- 4. Announcements:**
 - a. Fort Morgan Ambassadors**
 - b. Share the Beach**
 - c. Coastal Kids Quiz**
 - d. What else?**
- 5. Next Meeting: 1:00pm on Tuesday, April 26.**
- 6. Adjourn.**

Thank you for your time and your leadership!



**CONNECT TO
YOUR COAST**

**Fort Morgan Clean Beach Initiative Meeting Agenda
1:00pm on Tuesday, February 22, 2022**

<https://global.gotomeeting.com/join/719746373>

OR

Dial: (669) 224-3412; Access Code: 719-746-373#

- 1. Introductions.**
- 2. Who else we should invite to serve for 2022?**
- 3. Discuss SurfSide Shores issue.**
- 4. What areas should be our focus for 2022:**
 - a. Cabana Beach**
 - b. Gulf Shores Plantation**
 - c. Morgantown**
 - d. Our Road**
 - e. Other?**
- 5. Announcements:**
 - a. Coastal Kids Quiz**
 - b. Fort Morgan Ambassadors**
 - c. Share the Beach**
 - d. What else?**
- 6. Next Meeting: 1:00pm on Tuesday, March 22?**
- 7. Adjourn.**

Thank you for your time and your leadership!



**CONNECT TO
YOUR COAST**

**Fort Morgan Clean Beach Initiative Meeting Agenda
1:00pm on Tuesday, October 26, 2021**

<https://global.gotomeeting.com/join/719746373>

OR

Dial: (669) 224-3412; Access Code: 719-746-373#

- 1. (Re)Introductions.**
- 2. Social Media Outreach Report.**
- 3. Status updates:**
 - a. Cabana Beach**
 - b. Gulf Shores Plantation**
 - c. Surfside Shores**
 - d. Morgantown**
 - e. Our Road**
- 4. Announcements:**
 - a. November 4th Cocktails for the Coast Event**
 - b. What else?**
- 5. Do we need to schedule another meeting this year?**
- 6. Adjourn.**

Thank you for your time and your leadership!

ANNOUNCEMENT

The Alabama Coastal Foundation's *Cocktails for the Coast* annual fundraiser will be an online celebration in 2021!

Just like last year, we are conducting it as a live event using our secure virtual meeting system so anyone in the state can join the gathering. In addition, all supporters will also have the following new benefits:

- A video (sent the week before the event) of a local bartender showing how to mix two signature coastal cocktails--one with alcohol and one without--using simple ingredients.
- A specially designed ACF cocktail glass for each attendee (shipped or delivered prior to the event).
- Your choice of a box of premium mixed nuts from A & M Peanut Depot or a tin of popcorn from Mobile Popcorn (again, shipped or delivered).

In addition to celebrating our coastal environment, we will have some fun giveaways and provide important updates about our programs including the release of our Share the Beach End of Season video!

Support and celebrate ACF's vital work this year from the comfort of your home by [getting your tickets before the Thursday, October 21st 5:00pm deadline!](#)

Details for the 11th Annual ACF *Cocktails for the Coast*:

- **When:** 5:30-6:30pm on Thursday, November 4.
- **Where/Who:** Wherever*/Whoever you are!
- **How:** Through ACF's secure GoToMeeting system.
- **Why:** To support a great organization while having a great time!

Again, the deadline to purchase *2021 Cocktails for the Coast* tickets is by 5:00pm on Thursday, October 21! Go to www.joinACF.org to buy your \$50 tickets to help improve and protect Alabama's coastal environment through cooperation, education, and participation.



Cocktails for the Coast

*The person who attends from the farthest location will receive a Share the Beach flashlight!

Allison M. Owens

From: Clayton Blackwell <clayton@thesaltypalm.com>
Sent: Tuesday, October 26, 2021 1:28 PM
To: Mark Berte
Cc: Joseph Emerson- EXIT Realty; Ryan Manning; Terri L. Graham; Sara Johnson; deboharbin; Michael Ludvigsen; Allison M. Owens; Heather Tassin; Sydney Wentworth
Subject: Re: Agenda for tomorrow's (Tuesday's) Fort Morgan Clean Beach Meeting @ 1PM

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Social Media Stats:

October:

Reach: 9,664
Impressions: 11,427
Clicks to Site: 120

2021:

(Reach Ads optimized to reach as many people as possible.)

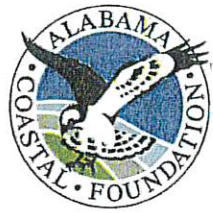
Reach: 110,079
Impressions: 165,402
Frequency: 1.5
Clicks to Site: 1,813
Post Shares: 473

2020:

(Traffic Ads optimized for clicks to site for more info.)

Reach: 89,807
Impressions: 278,753
Frequency: 3
Clicks to Site: 3,493
Post Shares: 237

Clayton Blackwell
251-923-9206
thesaltypalm.com



**CONNECT TO
YOUR COAST**

**Fort Morgan Clean Beach Initiative Meeting Agenda
1:00pm on Tuesday, September 28, 2021**

<https://global.gotomeeting.com/join/719746373>

OR

Dial: (669) 224-3412; Access Code: 719-746-373#

- 1. (Re)Introductions.**
- 2. Social Media Outreach Report.**
- 3. ACF Updates:**
 - a. Ambassador Program**
 - b. Share the Beach**
- 4. Status updates:**
 - a. Cabana Beach**
 - b. Gulf Shores Plantation**
 - c. Surfside Shores**
 - d. Morgantown**
 - e. Our Road**
- 5. Announcements:**
 - a. FY22 Ambassador Funding Request.**
 - b. What else?**
- 6. Do we need to schedule another meeting this year? If so:
Tuesday, October 26 @ 1:00?**
- 7. Adjourn.**

Thank you for your time and your leadership!



**CONNECT TO
YOUR COAST**

**Fort Morgan Clean Beach Initiative Meeting Agenda
1:00pm on Tuesday, August 31, 2021**

<https://global.gotomeeting.com/join/719746373>

OR

Dial: (669) 224-3412; Access Code: 719-746-373#

- 1. (Re)Introductions.**
- 2. Social Media Outreach Report.**
- 3. ACF Updates:**
 - a. Ambassador Program**
 - b. Share the Beach**
- 4. Status updates:**
 - a. Cabana Beach**
 - b. Gulf Shores Plantation**
 - c. Surfside Shores**
 - d. Morgantown**
 - e. Our Road**
 - f. Outreach to the east of the Fort**
- 5. Announcements:**
 - a. FY22 Ambassador Funding Request.**
 - b. Thursday: Connect to Your Coast @ Big Beach Brewing.**
 - c. What else?**
- 6. Schedule next meeting: Tuesday, September 28 @ 1:00?**
- 7. Adjourn.**

Thank you for your time and your leadership!



**CONNECT TO
YOUR COAST**

**Fort Morgan Clean Beach Initiative Meeting Agenda
1:00pm on Tuesday, July 27, 2021**

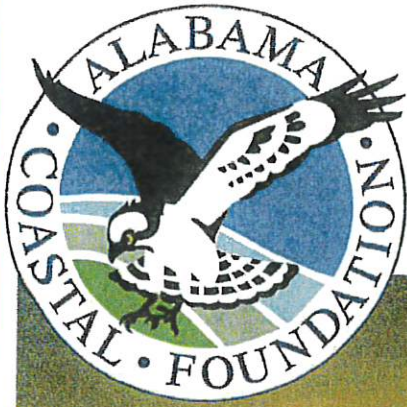
<https://global.gotomeeting.com/join/719746373>

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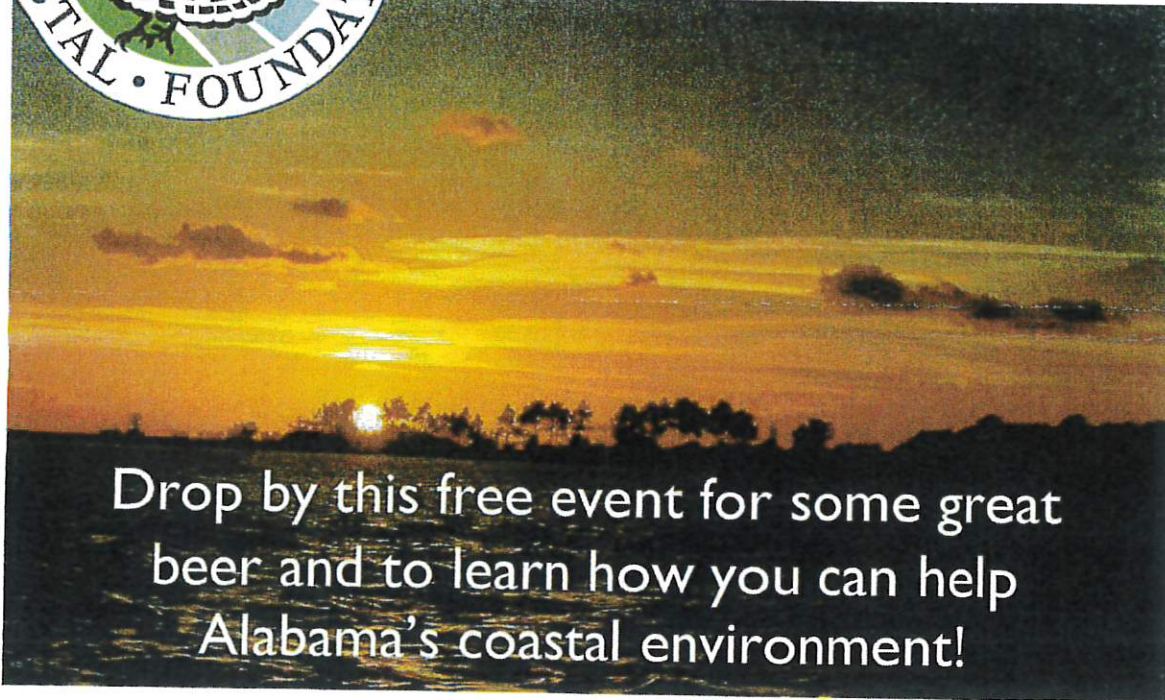
Dial: (669) 224-3412; Access Code: 719-746-373#

- 1. (Re)Introductions.**
- 2. Social Media Outreach Report.**
- 3. ACF Updates:**
 - a. Ambassador Program**
 - b. Share the Beach**
- 4. Status updates:**
 - a. Cabana Beach**
 - b. Gulf Shores Plantation**
 - c. Surfside Shores**
 - d. Morgantown**
 - e. Our Road**
 - f. Outreach to the east of the Fort**
- 5. Announcements:**
 - a. Applied for FY22 Ambassador Funding.**
 - b. August 26: Connect to Your Coast @ Big Beach Brewing.**
 - c. What else?**
- 6. Schedule next meeting: Tuesday, August 31 @ 1:00?**
- 7. Adjourn.**

Thank you for your time and your leadership!



CONNECT TO YOUR COAST



Drop by this free event for some great beer and to learn how you can help Alabama's coastal environment!

Thursday, August 26th
Noon-8:00pm

Big Beach Brewing Co.
300 East 24th Avenue
Gulf Shores, AL 36542



Big Beach Brewing Co. will
make a donation to support
our work, so drink responsibly
& with a purpose!

Allison M. Owens

From: Clayton Blackwell <clayton@hsdesignhouse.com>
Sent: Tuesday, July 27, 2021 1:46 PM
To: Mark Berte
Cc: Terri L. Graham; Joseph Emerson- EXIT Realty; heathertassin@fort-morgan.org; Michael Ludvigsen; Debbie Harbin; Dana Foster; Allison M. Owens; Sydney Wentworth; Sara Johnson
Subject: Re: Agenda for today's (Tuesday's) 1PM Fort Morgan Clean Beach Initiative 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.

Hey everyone, apologies for missing the call. My Monday flight home got over booked so I got bumped to today and then a long delay in ATL held me up. Fun times!

Here are the social media #s for the month of July as of July 27:

Impressions: 28,000

Reach: 24,690

Cost per 1,000 Impressions: \$26.35

Clicks to Website: 341

Post Reactions: 381

Post Shares: 78

— —

In my opinion, this was another great month for the performance of the ad. We will likely pass a reach of 25,000 by end of the month. A lot of people have been commenting and making inquiries on the ad regarding the sea turtles and nests in the area. I hope that interest translated to action for July '21 in comparison to years past. Please let me know if there is anything else you need from me regarding July's ad. The August ad will continue as scheduled, unless there are any changes in place.

Thanks,

Clayton Blackwell
High Seas Design House

Sent from my iPhone

On Jul 27, 2021, at 8:55 AM, Mark Berte <mberte@joinacf.org> wrote:

Good morning everyone,

July 22, 2021



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(251) 990-6002



Honorable Billie Jo Underwood
County Commissioner, District Number 3
Baldwin County Central Annex
22251 Palmer Street
Robertsdale, Alabama 36567

Dear Commissioner Underwood,

The Alabama Coastal Foundation (ACF) continues to be a non-partisan, nonprofit organization with the mission to improve and protect Alabama's coastal environment through cooperation, education, and participation. Serving as the home of Share the Beach, Alabama's sea turtle conservation program, ACF has enjoyed working with both the residents and guests of Baldwin County for years.

As you and the other Commissioners know, ACF has also been working with the Baldwin County Solid Waste Department staff and the Fort Morgan Civic Association these past years to help improve our local trash issues that are influenced greatly by the people to visit our beautiful coastline. The internship program that ACF was able to implement—for the first time this year thanks to the \$5,000 FY21 appropriation—has been very successful! Since May 15th, ACF's two Fort Morgan Ambassadors have had positive interactions with vacationers and will continue this important work through the summer.

I am submitting this request letter to ask for financial support next year to continue those positive interactions. To that end, ACF is requesting \$5,000 again to hire two local interns who will serve from May 15, 2022 through August 31, 2022. As with this year, these interns will act as Ambassadors walking the beach in Fort Morgan daily to help educate the public about bringing up belongings and filling any holes every evening, picking up trash, and not using flashlights or flash photography. In terms of the budget, \$4,320 will be used to pay the interns \$10 per hour for two hours each of those 108 days. The remaining \$680 will pay for the recruiting, training, coordination, and reporting for this project.

We know this project works and sincerely hope for continued funding. If you or any of the other commissioners have any questions, please do not hesitate to let me know.

Sincerely,

Mark Berte, Executive Director
Alabama Coastal Foundation

CC: Christie Davis, Ronald Cink, Terri Graham, Allison Owens



**CONNECT TO
YOUR COAST**

**Fort Morgan Clean Beach Initiative Meeting Agenda
1:00pm on Tuesday, June 29, 2021**

<https://global.gotomeeting.com/join/719746373>

OR

Dial: (669) 224-3412; Access Code: 719-746-373#

1. (Re)Introductions.
2. Moment of silence in memory of Deputy Bill Smith.
3. Social Media Outreach Report.
4. ACF Updates:
 - a. Ambassador Program
 - b. Share the Beach
 - c. Free Flashlight Outreach
5. Status updates:
 - a. Cabana Beach
 - b. Gulf Shores Plantation
 - c. Surfside Shores
 - d. Morgantown
 - e. Our Road
 - f. Outreach to the east of the Fort
6. Announcements.
7. Schedule next meeting: Tuesday, July 27 @ 1:00.
8. Adjourn.

Thank you for your time and your leadership!



**CONNECT TO
YOUR COAST**

**Fort Morgan Clean Beach Initiative Meeting Agenda
1:00pm on Thursday, May 27, 2021**

<https://global.gotomeeting.com/join/719980821>

OR

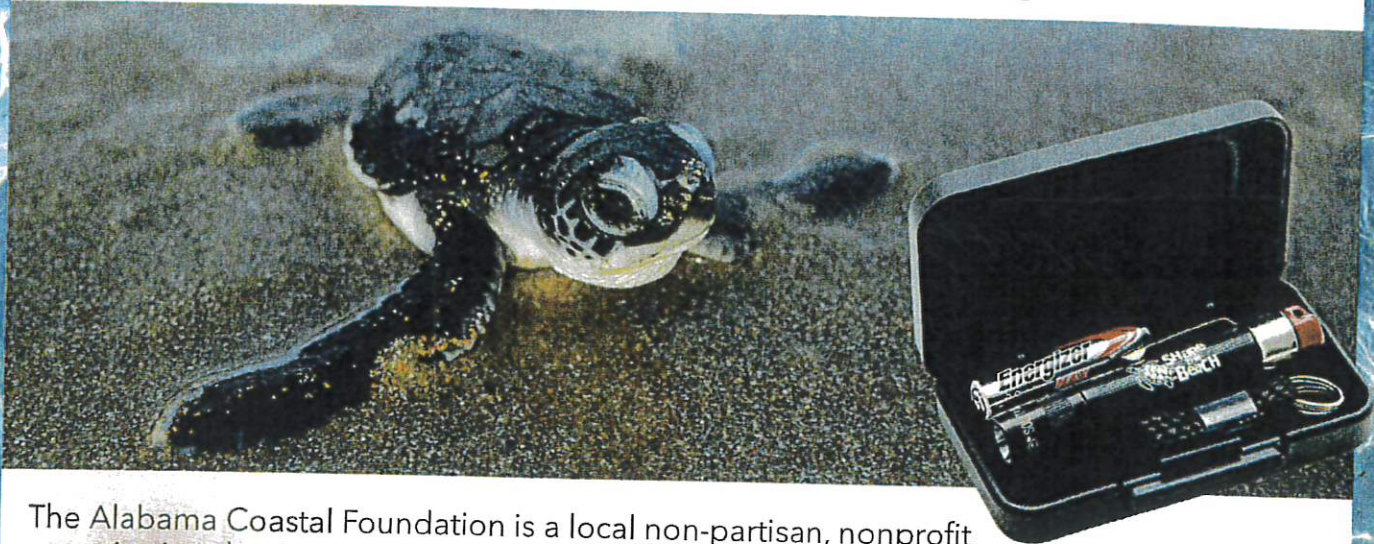
Dial: (872) 240-3212; Access Code: 719-980-821#

- 1. Introductions.**
- 2. Background.**
- 3. Social Media Outreach Report**
- 4. ACF Updates:**
 - a. Ambassador Program**
 - b. Share the Beach**
 - c. Free Flashlight Displays**
- 5. Status updates on 2021 Areas:**
 - a. Our Road**
 - b. Surfside Shores**
 - c. Gulf Shores Plantation**
 - d. Cabana Beach**
- 6. Announcements.**
- 7. Schedule next meeting.**
- 8. Adjourn.**

Thank you for your time and your service!

New for the May-October Sea Turtle nesting season!

Share the Beach **RED LED** flashlights have been tested to make sure they have wavelengths which are not disruptive to sea turtles. They are durable (drop/water-resistant) and provide great light for human use as well!



The Alabama Coastal Foundation is a local non-partisan, nonprofit organization that improves and protects Alabama's coastal environment. Our Share the Beach program has a new flashlight this season that is low-intensity and emits light at a wavelength tested to not be disruptive to sea turtles! And as a Mag Instruments product, you know it is high quality, durable, and made in the USA. Use code **ACF20** to receive 20% off your purchase! Also, a portion of proceeds are donated to Share the Beach! To learn more and purchase your flashlight, please visit: www.joinACF.org



If you are on the beach with your flashlight and see a sea turtle:

- Don't shine your flashlight toward the turtle.
- Stay back at least 30 feet, stay low, and stay quiet.
- Call the Alabama Sea Turtle Hotline: **1-866-732-8878 (1-866-SEA-TURT)**.
- Enjoy the experience (and remember no flash photos/videos, only infra-red videos allowed).

Remember: All sea turtles species are protected by the Endangered Species Act.



**CONNECT TO
YOUR COAST**

**Fort Morgan Clean Beach Initiative Meeting Agenda
Tuesday, April 27, 2021**

**<https://global.gotomeeting.com/join/671296357> OR
Dial: (872) 240-3412; Access Code: 671-296-357#**

- 1. Introductions.**
- 2. Background.**
- 3. Social Media Outreach:**
 - a. FMCA Support**
 - b. FBSNWR Support**
 - c. Overall budget**
- 4. ACF Updates:**
 - a. Ambassador Orientation**
 - b. Share the Beach**
 - c. Coastal Kids Quiz**
- 5. Status updates on 2021 Areas:**
 - a. Our Road**
 - b. Morgantown**
 - c. Surfside Shores**
 - d. Gulf Shores Plantation**
 - e. Cabana Beach**
- 6. Schedule next meeting.**
- 7. Adjourn.**

Thank you for your time and your service!

FMCA: \$2,000

Bon Secour NWR: \$1,500

Total Budget: \$3,500

MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER
\$700	\$500	\$825	\$700	\$500	\$275

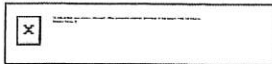
\$3,500

Allison M. Owens

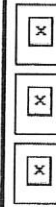
From: Chris Elliott <chris.elliott@alsenate.gov>
Sent: Monday, March 8, 2021 8:45 AM
To: Fort Morgan
Cc: Allison M. Owens; Terri L. Graham; Casi Callaway; Lucy Johnson; Mark Berte; info@cleanhorizons.org; Deanna Texas; Blankenship, Chris
Subject: Re: 3rd Annual Fort Morgan Clean Up

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

Good stuff guys thanks for all your doing to keep Fort Morgan clean!



T. Christopher Elliott
Senator | Alabama Senate 32 | Baldwin County
Capitol Office: (334) 261-0890
Address: 11 S Union St, Montgomery 36130
email: Chris.Elliott@alsenate.gov
District Office: (251) 990-4610
Address: 1100 Fairhope Ave, Fairhope 36532
email: CElliott@BaldwinCountyAL.gov
Mobile: (251) 366-5400



On Mar 8, 2021, at 8:07 AM, Fort Morgan <fortmorgancivic@gmail.com> wrote:

Good Morning all

I wanted to take a moment to thank and update everyone involved in yesterday's 3rd Annual "Fort Morgan Clean Up".

It was a beautiful day to get out and make a difference in the Fort Morgan community with over 175 volunteers participating to remove and estimated 100cu yds of debris and trash from the Right of Way along SR180 (Fort Morgan Road) We were able to clean up about 70-80% of the ROW and will be encouraging volunteers over the coming weeks to work the remaining areas.

Terri, Thank You! Baldwin County Dept of Solid Waste and Highway Dept were again a big help for providing dumpsters (that are now full) and signage to warn drivers of Hwy180 about the presence of clean up workers. Because we filled the providing dumpsters, I instructed our clean up trucks to dump the excess debris on the ROW at the EMC access point adjacent to the Mobile Street sub-station. There are also multiple piles along Hwy 180 that we could not lift into trailers for transport. Please send (2) trucks as soon as possible for pick up.

Casi, Thank You! Without the Mobile Baykeeper's equipment and volunteers, there is no way this event could have supported the +175 volunteers that came out yesterday. Your folks were very helpful in organizing and logistics and it was a pleasure working with Lucy and her crew.

Mark, Thank You! Not only with helping to promote this event but for all the work the ACF does with Share the Beach and the new Fort Morgan "Clean Beach Initiative"

finally, a BIG Thank You to our volunteers from Youth Quake! Deanna, it was a pleasure meeting you and your great group of young people. We thank you for your time and appreciate your mission of service.

Fort Morgan is a very unique community with a fragile ecosystem that requires protection and preservation. Events like the "Fort Morgan Clean Up", upcoming "Litter Rodeo", and "Alabama Coastal Clean Up" in the Fall, regularly produce huge numbers of debris and trash removed from the ROWs and beaches. With that considered, we have to do better for the people that live here and visit.

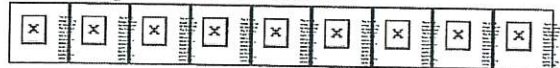
I have CC'd our State Senator, Chris Elliot, and the Commissioner of Alabama's Department of Conservation and Natural Resources, Chris Blankenship, on this email. Our Senator recently presented one of our co-organizers, Clean Horizons, with a Senate Proclamation recognizing what good work they were performing along our Coast so I know that this work is not going unnoticed. With communication and cooperation, we can and will continue to make a positive impact here in Fort Morgan.

Again, Thank you all for your support of the Fort Morgan Clean Up

Attached below are just a few photos from yesterdays event, feel free to share.

Sincerely,

Joe Emerson, President
Fort Morgan Civic Associattion





Appendix A-1

2.2.2 Education Outreach Brochures

REQUIREMENTS

Erosion Control Plan

The Erosion Control Plan shall at a minimum show and/or detail the following:

- Site Information: site boundary, streams, wetlands, floodplains, roads, etc.
- Erosion controls: hay, seed, dust control, permanent & temporary vegetation, etc.
- Sediment controls: silt fence, wattles, inlet protection, construction exits, etc.
- Maintenance & Inspection: Ensure proper implementation, daily observation, regular inspection, and continual maintenance of effective erosion & sediment control practices.

Land Disturbance Permit

Any land disturbance within un-zoned territory with a probable exposure to flooding shall apply for a land disturbance permit from the Planning and Zoning Department and comply with Section 13.12 Erosion Control of the County's Zoning Ordinance (www.baldwincounty.gov/departments/planning-zoning/zoning-ordinances) and comply with all federal and state requirements. The application shall be accompanied by an Erosion Control Plan.

Application & Fee Enforcement

Permit Application

Apply online at: [baldwincounty.al.gov/Departments-Planning & Zoning-Citizen Serve Portal](http://baldwincounty.al.gov/Departments-Planning&Zoning-CitizenServePortal)

Land Disturbance Activities

Dredging
Excavation
Filling
Grading

Permit Fee

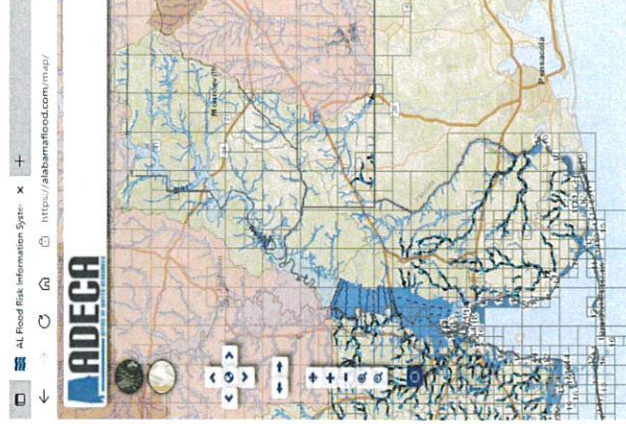
\$25.00 Per activity (maximum of \$100.00)

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.

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



www.alabamaflood.com

Baldwin County
Planning & Zoning Department
251-580-1655
baldwincounty.al.gov

New 2021

PURPOSE

Purpose

It is the purpose of this ordinance to promote public health, public safety, and general welfare and to minimize public and private losses due to probable exposure to flood, pursuant to Alabama Code 11-19-4, by land use provisions designed to:

- Control filling, grading, dredging and similar land disturbance activities which may increase flood damage or erosion
- Prevent or regulate the construction of flood barriers which will un-naturally divert flood waters or which may increase flood hazards to other lands
- Control the alteration of natural flood plains, stream channels, and natural protective barriers which are involved in the accommodation of flood waters



JURISDICTION

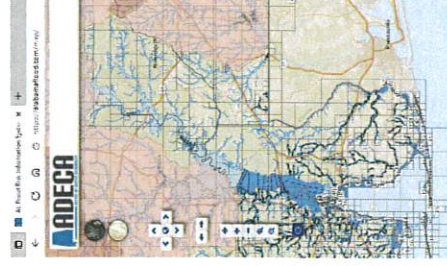
Territory with Probable Exposure to Flooding

Un-zoned land within any of the following mapped regions:

- Areas of Special Flood Hazard identified by the most current published maps of the Federal Emergency Management Agency and
- The Baldwin County Hydric (Wetland) Map

Areas of Special Flood Hazard

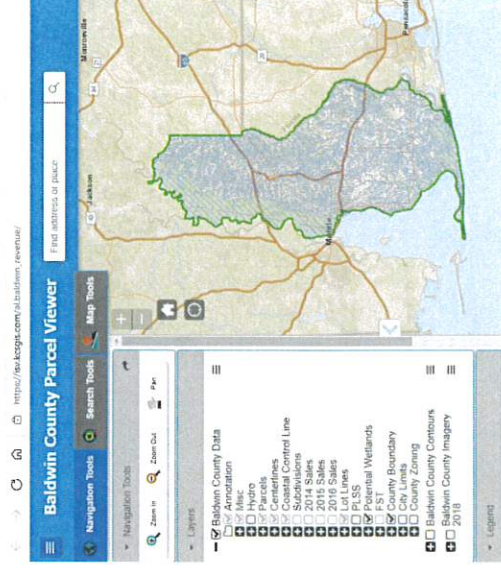
Areas of Special Flood Hazard (Flood Zones) on a particular piece of property may be identified by visiting www.alabamaflood.com and searching for the property via the property address. Flood zones are identified by various shades of blue and various crosshatch patterns – a legend in the upper right hand corner of the screen describes each zone and may be opened by clicking “regulatory effective”.



www.alabamaflood.com

Hydric (Wetland) Map

Wetland Areas in Baldwin County may be identified by visiting sv.kcsqis.com/ and searching for the property via address or parcel number, and clicking the “+” sign to the left of “Baldwin County Data” and then checking the “Potential Wetlands” box. Potential wetlands are then shown in light blue with green crosshatching.



sv.kcsqis.com/al.baldwin_revenue/

- Materials Management:** Protect stockpiles of soil and paving materials from wind and water erosion. Have a spill prevention and control plan for hazardous materials such as fuel, paints, and solvents.

- Seeding and Sodding:** Establish vegetative cover on disturbed areas to reduce erosion and provide soil stabilization.



- Dust Control:** Control wind-borne particles during construction to minimize onsite and offsite damages and hazards.

- Sediment Perimeter Protection:** Install silt fencing, straw rolls or a gravel bag barrier to prevent sediment discharges.



ADDITIONAL RESOURCES:

- Baldwin County's Planning and Zoning Department Natural Resource Division:
<http://www.planning.co.baldwin.al.us>

- The Alabama Department of Environmental Management (ADEM) offers information at its website.
<http://www.adem.state.al.us>

- The Alabama Soil and Water Conservation Committee published the Alabama Handbook for Erosion Control, Sediment Control, and Stormwater Management on Construction Sites and Urban Areas. It is available at:
http://swcc.state.al.us/erosion_handbook.htm

- The Environmental Protection Agency's (EPA) website on the National Pollutant Discharge Elimination System (NPDES) provides information on erosion and sediment control during construction.
<http://cfpub.epa.gov/npdes>

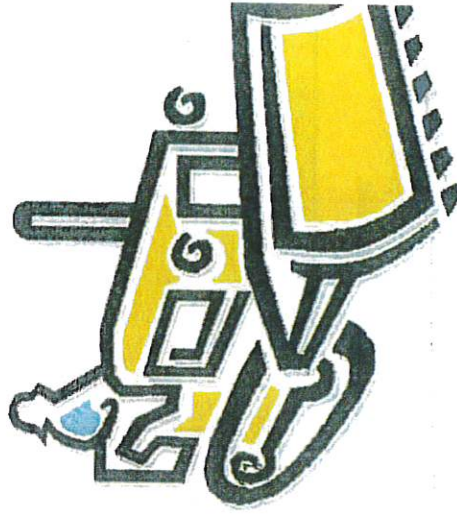
- International Stormwater Best Management Practices (BMP) Database:
<http://www.bmpdatabase.org>



www.planning.co.baldwin.al.us
 Main Office
 312 Courthouse Square, Suite 18
 Bay Minette, AL 36507
 Phone (251) 580-1655
 Fax (251) 580-1656



STORMWATER BEST MANAGEMENT PRACTICES (BMPs)



A SUPPLEMENT FOR THE EROSION CONTROL ORDINANCE

WETLAND FACTS

There are an estimated 300,000 acres of wetlands in Baldwin County. 260,000 acres are freshwater and 40,000 have saltwater influence.

In the southeast, 96% of the commercial catch and over 50% of the recreational seafood harvest are fish and shellfish that depend of the estuarine and coastal wetland system.



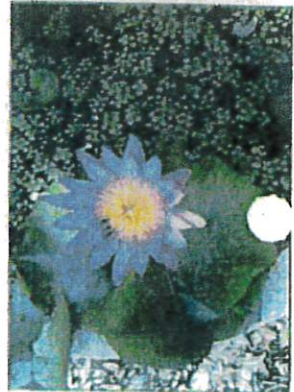
Wetlands provide habitats for many waterfowl game species and for endangered and threatened species, such as Alabama red-bellied turtles, wood storks, and bald eagles.

1 acre of wetlands can store 1,000,000 to 1,500,000 gallons of floodwater.

Nearly half of the wetlands in the U.S. are located in the southeast.

May is American Wetland Month.

February is World Wetlands Month.



WETLAND RESOURCES

The internet is an excellent source of wetland information. Many agencies, such as the U.S. Army Corps of Engineers, the Environmental Protection Agency, the United States Geological Survey, local experts, colleges and universities, and a numerous non-profit organizations have countless resources on wetlands. You may also want to contact these agencies directly for specific questions.

Environmental Protection Agency (EPA)
www.epa.gov/owow/wetlands

EPA Wetlands Hotline
(800) 832-7828

U.S. Army Corps of Engineers
www.usace.army.mil/cw/cecowa/reg/rw-bro.htm

U.S. Fish and Wildlife Service
www.fws.gov/nwi

U.S. Geological Survey National Wetlands Resource Center
www.nwrc.usgs.gov

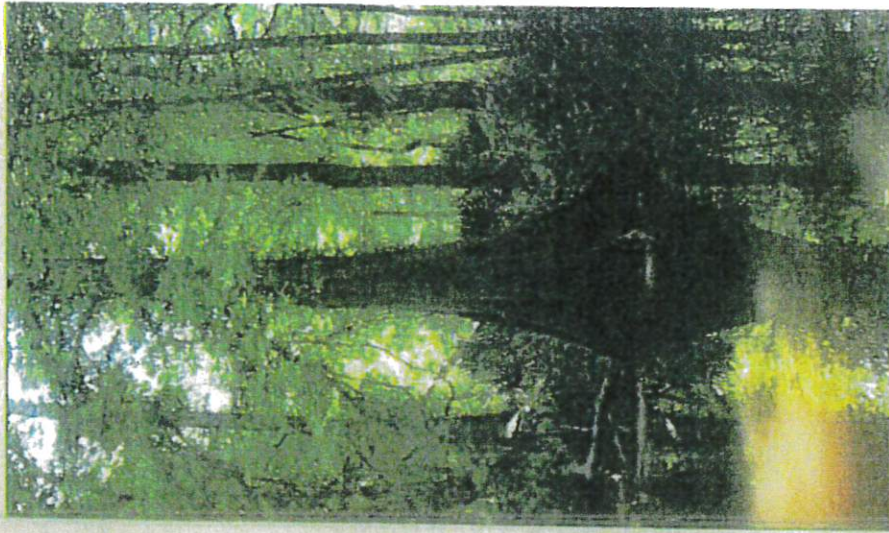
AL Department of Environmental Management
www.adem.state.al.us/FieldOps/Coastal/Coastal.htm

Baldwin County Zoning Ordinance -Article X Section 10.4-
www.planning.co.baldwin.al.us

Baldwin County Subdivision Regulations -Article 5 Section 2.2-
www.planning.co.baldwin.al.us

Baldwin County Planning and Zoning Department
Natural Resource Division
312 Courthouse Square, Suite 18
Bay Minette, AL 36507
Phone (251) 580-1655
Fax (251) 580-1656
www.planning.co.baldwin.al.us

WETLANDS



Frequently Asked Questions and Wetland Resources



BALDWIN COUNTY COMMISSION
PLANNING AND ZONING DEPARTMENT

Community Rating System (CRS) Program

Baldwin County began its participation in the NFIP, Community Rating System Program in 1994. The CRS Program was developed by the Federal Insurance Administration to provide incentives for the NFIP communities to implement more stringent floodplain standards that the minimum NFIP requirements. The CRS rewards these efforts with discounts on flood insurance premiums.

Baldwin County has been successful in achieving the Class 6 rating, reducing flood insurance premiums by 20% resulting in a savings to the citizens of the unincorporated areas of Baldwin County. A 10% discount is provided for non-SFHAs. Instead of paying higher premiums, the money saved hopefully stays in the community.

As of 2011 Baldwin County had 9,783 flood insurance policies in force which estimates to \$2,126,335,400 respectively. Since inception into the NFIP, there have been 6,985 losses paid totaling approximately \$204,410,128.

For more information about flood insurance, property owners and potential buyers should contact their local insurance agent or call the toll-free information line for the National Flood Insurance Program at 1-800-427-4661.

Baldwin County Commission Community Rating System (CRS) Program

Administered by the

Baldwin County Planning & Zoning
Department

Foley Satellite Courthouse

201 East Section Street

Foley, Alabama 36536

Telephone: 251.972.8523

Fax: 251.972.8520

www.planning.co.baldwin.al.us

Direct Contact:

dhart@baldwincountval.us

in conjunction with the

Baldwin County Highway Department

22070 Highway 59

Robertsdale AL 36567

Telephone: 251.937.0278

Emergency Management Agency

23100 McAuiffie Drive

Robertsdale AL 36567

Telephone: 251.972.6807

Building Inspection Department

201 East Section Street

Foley, Alabama 36536

Telephone: 251.972.6837

For Additional information visit FEMA's
website at:

<http://www.fema.gov>

Baldwin County Commission



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Companies, Insurance Agencies,
Potential Buyers, Sellers, Property
Owners and the General Public*

April 2015

Programa Sistema de Clasificación de la comunidad (CRS)

Condado de Baldwin comenzó su participación en el NFIP, Programa Sistema de Clasificación de la Comunidad en 1994. El Programa de CRS fue desarrollado por la Administración Federal de Seguros Para ofrecer incentivos para las comunidades NFIP a aplicar las normas de inundación más estrictas que los requisitos mínimos del NFIP. El CRS premia a estos esfuerzos con descuentos en las Pólizas de seguro contra inundaciones.

Condado de Baldwin ha tenido éxito en lograr la clasificación de Clase 6, reduciendo las Pólizas de seguros de inundación en un 20%, resultando en un ahorro para los ciudadanos de las áreas no incorporadas del condado de Baldwin. Se ofrece un descuento del 10% para los no SFHA. En lugar de pagar Pólizas más altas, el dinero ahorrado con suerte se queda en la comunidad.

A partir del 2011 el condado de Baldwin tenía 9,783 pólizas de seguro contra inundaciones en vigor que estima a 2126335400 EE.UU. dólares respectivamente. Desde su creación en el NFIP, se han producido 6,985 siniestros pagados por un total de aproximadamente \$ 204,410,128.

Para obtener más información sobre el seguro contra inundaciones, los propietarios y los compradores potenciales deben contactar a su agente de seguros local o llame a la línea de información gratuita para el Programa Nacional de Seguros contra Inundaciones al 1-800-427-4661.

Comisión del Condado de Baldwin Programa Sistema de Clasificación de la comunidad (CRS)

Administrado por la
Baldwin Departamento de Planificación y Zonificación del Condado
Courthouse Foley Satélite
201 East Sección Calle
Foley, Alabama 36535
Teléfono: 251.972.8523
Fax: 251.972.8520

www.planning.co.baldwin.al.us

Contacto Directo:

dhart@baldwincountyal.us

en *conjunción con el*

Baldwin Condado Departamento de Carreteras

22070 Highway 59

Robertsdale AL 36567

Teléfono: 251.937.0278

Agencia de Manejo de Emergencias

23100 McAuliffe unidad

Robertsdale AL 36567

Teléfono: 251.972.6807

Edificio del Departamento de Inspección

201 East Sección Calle

Foley, Alabama 36535

Teléfono: 251.972.6837

Para información adicional visite el sitio

web  s FEMA en:

<http://www.fema.gov>



Comisión del Condado de Baldwin

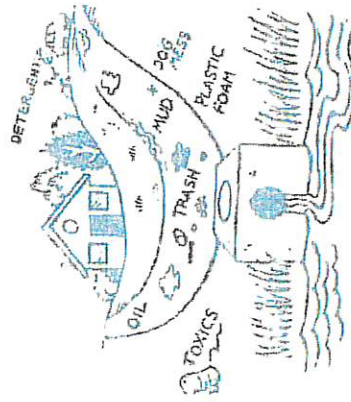
No Espere
Comprar Ahora!
**SEGURO DE
INUNDACIÓN
PARA
PROTECCIÓN
FINANCIERA**

Para los agentes inmobiliarios,
compañías hipotecarias,
agencias de seguros,
potenciales compradores,
vendedores, propietarios y el
público en general

What is the purpose of Stormwater Management?

The local governments in our communities have programs for the prevention and control of nonpoint pollution caused by stormwater runoff in our area. The goals of stormwater management programs are to:

1. Slow down water, decreasing its ability to cause erosion and carry pollutants.
2. Prevent pollution of our rivers, streams, and bays by promoting proper use and disposal of toxic chemicals, oil, and litter.
3. Reduce the amount of runoff by encouraging water to soak into the ground.



What is the Mobile-Baldwin Stormwater Consortium?

The Mobile-Baldwin Stormwater Consortium was formed to coordinate, on a regional basis, the development of a stormwater management program. This program meets the requirements of the National Pollution Discharge Elimination System (NPDES) permit issued to the Consortium by the Alabama Department of Environmental Management.

Local governments and agencies participating in the Mobile-Baldwin Stormwater Consortium include:

Mobile	Chickasaw
Creola	Daphne
Saraland	Fairhope
Satsuma	Mobile County
Pritchard	Baldwin County

Alabama Dept. of Environmental Management
Alabama Department of Transportation
South Alabama Regional Planning Commission

For more information and/or to report violations contact:

Your building department, public works department, or city/county engineer.

Alabama Dept. of Environmental Management,
Mobile Field Office, 450-3400

Baldwin County Commission, 937-0264

City of Chickasaw, 452-6463

City of Creola, 675-8142

City of Daphne, 626-9000

City of Fairhope, 928-2136

City of Mobile, 434-7177

City of Pritchard, 457-3381

City of Saraland, 675-5103

City of Satsuma, 675-1440

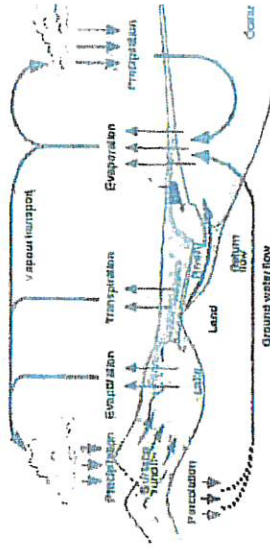
Mobile County Commission, 690-8620
South Alabama Regional Planning Commission,
433-6541

Mobile-Baldwin

Stormwater Consortium

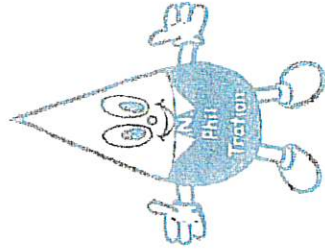
What is Stormwater Pollution?

Rain falling on an area results in both benefits and problems. The benefits are water, vegetation and area cleansing. The problem that when rain flows over streets and other surfaces, it picks up pollutants and carries them into the stormwater conveyance ("storm drain" system). The storm drain is designed to prevent flooding by transporting water away from urban areas. Unfortunately, this water, and all the contaminants it contains eventually flows to streams, lakes, and the ocean where we swim and fish. Once there, polluted runoff can harm wildlife and their habitats. In some cases, it can even cause beach closures or make fish and shellfish unsafe to eat. Since these pollutants are washed from a wide area and cannot be traced to a single source, they are called nonpoint source pollutants.



Some Causes for the Problem!

Nonpoint source pollution comes from everyday activities, such as driving to work, cleaning with household chemicals, and applying fertilizer at lawns and fields. These chemicals and fertilizers may be carried into our water bodies when it rains. Contaminated runoff may also filter through the soil and pollute the groundwater. Water entering storm drains is then treated in a sewage treatment plant.



What is...*Create a Clean Water Future*?

Create a Clean Water Future is a public service campaign to help residents of Alabama learn more about stormwater runoff and its impacts; increase demand for stormwater management programs; and provide tools that empower Alabama residents to reduce polluted runoff in our waterways.

The *Create a Clean Water Future* campaign has three easy ways **you** can become part of the solution:

Step up – Install rain barrels at **your** home or office.

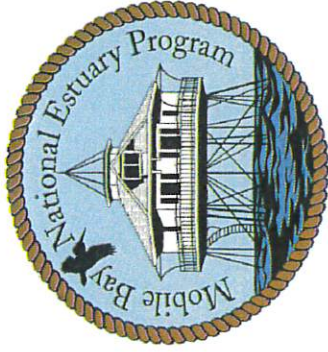
Speak up – Let **your** voice be heard with local officials, policymakers, and the media to make sure stormwater runoff is on the agenda. Tell your friends about the problem and how you are helping address it by installing your rain barrel.

Follow up – Make sure **your** local government is offering stormwater education outreach opportunities such as rain barrel workshops.

Join the campaign visit

www.CleanWaterFuture.com

This project is made possible by:



If you or someone you know is interested in owning a rain barrel please contact

Baldwin County Planning & Zoning Natural

Resource Planner

251-423-3632

ashley.campbell@baldwincountyal.gov

Rain Barrels



Coastal Alabama receives five and a half feet of rain per year, which falls and runs across roofs, lawns, and driveways, picking up litter, fertilizer, pet waste, and chemicals along the way. Stormwater is not treated, and these contaminants are transported directly to local waterways. Installing a rain barrel is a practical way to reduce stormwater impacts. A one-inch rainfall over a 1,000 ft² roof yields 620 gallons of water; installing a rain barrel allows storage for future use and protects our natural resources.



What is a Rain Barrel?

A rain barrel is a system that collects and stores rainwater from your roof that would otherwise runoff into storm drains and streams. A rain barrel is typically made from a 55 gallon drum, a gutter down-spout, vinyl hose, PVC couplings, and a spigot. Rain barrels are simple, inexpensive and can sit under any gutter down spout.

Benefits of Rain Barrels

- **Rain barrels provide a free water source** that can be used for watering gardens, washing cars, or bathing pets.
- Using water caught in a rain barrel to water flowerbeds and gardens can **reduce the cost of monthly water bills.**
- **Rain water is better for plants and soil** than tap water. Rainwater is free of salt, inorganic ions, and fluoride that accumulate in soil over time and harm plant roots. Using rainwater makes plants healthier and stronger.
- **Reduce runoff pollution.** When it rains, runoff picks up fertilizers, oil, pesticides and other contaminants and carries them into storm drains and streams. These pollutants can increase algae growth, alter the habitat for fish, and even make oceans dangerous for recreational activities. Collecting rain water helps prevent this damaging flow.



How to Maintain Your Rain Barrels

Tips to keep your rain barrels clean and functioning:

- Start at the gutter that feeds your rain barrel—clean the gutter of leaves and debris. Rinse this gutter with a hose to be sure it is draining properly.
- Inspect the overall condition— look for cracks in the barrel, clogged spigots, or debris on the bottom.
- Cleaning: empty all water, use a mixture of vinegar and water to scrub the inside and bottom of the barrel with a long handled brush. Rinse out and let dry.

Not for Consumption

Rain barrel water is not for human or pet consumption. As rain water flows over a roof, it picks up pollutants such as bacteria from animals and chemicals from roof materials.



Thank you for helping Create a Clean Water Future for generations to come!
For more information visit
www.cleanwaterfuture.com



Appendix A-2

2.2.3 Education Outreach Website



Home / Solid Waste

Solid Waste Home

[- Contact Us](#)

[- Staff](#)

[Apply for Garbage Service](#)

[Garbage Collection Services](#)

[Landfills](#)

[Recycling](#)

[FAQ](#)

Please be advised Baldwin County Solid Waste, a Service of the Baldwin County Commission, will be taking measures to protect health, welfare, and public safety of the Baldwin County citizens and its employees during the COVID-19 pandemic.

Thank you for your patience and understanding as we work to serve the citizens of Baldwin County, while continuing to protect human health and the environment.

[PAY YOUR GARBAGE/TRASH BILL](#)

*We accept Visa, MasterCard & Discover
(Sorry, we do not take American Express Cards)*

[APPLY FOR GARBAGE SERVICE](#)

[COLLECTION SERVICES](#)

Participation in the solid waste residential collection program, provided by Baldwin County Commission, is mandatory for residents of the unincorporated areas of Baldwin County, Alabama. This is part of an effort to reduce and prevent illegal dumping and littering.

To report illegal dumping or littering, [contact Solid Waste](#).

Garbage Collection maintains a normal schedule on all holidays, except Thanksgiving and Christmas.

"COVID-19 ALERT - All garbage at the curb for collection must be in your Baldwin County Cart. Items outside the cart WILL NOT be picked up."

[CART USE GUIDELINES](#)

[LANDFILLS](#)

Magnolia, MacBride and Eastfork Landfills, and Bay Minette Transfer Station's information.

[RECYCLE](#)

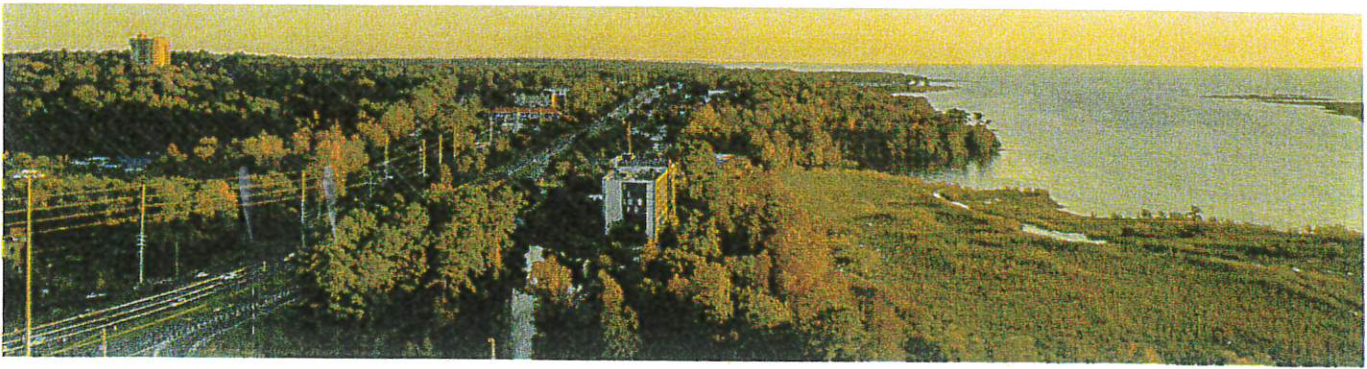
Baldwin County cares about the environment and has several container locations throughout the county where you can place items for recycling. The county does not have a curbside recycling program at this time.

[FAQ](#)

Solid Waste's Frequently Asked Questions.

SUBMIT ENVIRONMENTAL COMPLAINT





Home / Citizen Service Center

Citizen Service Center



- Not sure which [office](#) or [department](#) you need to speak with?
- Can't find the answer to a [question](#)?
- Want to [send a comment, compliment or complaint](#)?

ONE OF OUR CUSTOMER SERVICE REPRESENTATIVES CAN HELP!

Phone(s): 251.937.9561 - North Baldwin County
251.943.5061 - South Baldwin County
251.928.3002 - Eastern Shore of Baldwin County

Email: citizenservicecenter@baldwincountyal.gov

The Baldwin County Commission is committed to providing customer-focused, easy to find information on our county's website. To find the answers you are looking for you can:

- Use the search feature in the left navigation to search our entire website.
- Use the "[How Do I](#)" at the top right of any page to search and find answers to frequently asked questions.
- If you are still unable to find the information you need, please contact our Citizen Service Center at one of the above phone numbers or email address.

Service Center Mission Statement:

Our Service Center works with all county offices and affiliated agencies to support the mission of the Baldwin County Commission, which is to provide customer-focused services to people who live, work and visit Baldwin County so they can enjoy a safe and thriving community and experience our unique heritage and natural resources.

Our Goals:

To serve as a "One Stop Shop" for Baldwin County government services and information.

To help our departments improve service delivery by allowing them to focus on their core missions.

To provide accurate, consistent measurements of service delivery countywide

Our Values:

Accountability—When we say we will do it or find you an answer—WE WILL!

Honesty— We value truth in all we say and do.

Humor—We take our work seriously and ourselves lightly.

Respect— We listen actively, express differences tactfully and resolve issues thoughtfully.

Teamwork— We work in an open, collaborative environment—We won't let each other fall.

 SUBMIT REQUESTS	 PERMITS & LICENSE	 PUBLIC RECORDS	 MAKE A PAYMENT	 MOTOR VEHICLES	 COURTS
	 MEETING AGENDAS	 ALERTS	 MAPS	 MEET YOUR COMMISSION	

Contact Baldwin County
Citizen Service Center
251.937.9561 • 251.928.3002
• 251.943.5061
Email Citizen Services
Holidays and Operating Hours
Email Webmaster for Web
Inquiry



Search

Highway Home

Staff

County Maintained Roadways

Highway Services
 -Driveway Permit Application
 -Permit Division

Road Notices

Stormwater Studies

Subdivision Regulations

 Rebuild Alabama
 FY 2020 County
 Transportation Plan

 Rebuild Alabama
 FY 2021 County
 Transportation Plan

Forms / Permit Applications
 -Subdivision Application Forms

Other Helpful Links

Services

Payments

Maps

Open Baldwin

[home](#) / [Departments](#) / [Highway Department](#) / Forms - Permits - Applications

Highway Forms and Applications

Baldwin County Commission is in no way affiliated with Adobe Acrobat Reader Products, however it is the application we have used to create PDF Forms on our website. In order for any PDF forms to display and work as intended, we recommend you use the Free Official Adobe Reader.

*You may Download the [Free Official Adobe Reader PDF Viewer Product here](#)

Note: Upon download, please uncheck any optional offers, unless you wish to have those, examples would be like Google Chrome, Google toolbar, etc., so that they will not install along with your Adobe Reader.

- [Written Certification of Review & Understanding of ADEM Regulations](#)
PDF, 9.29 KB
- [Right-of-Way \(ROW\) Access Drainage Impact Permit](#)
PDF, 378.43 KB

Subdivision Application Forms

Others:

- [Alabama Adopt-A-Mile Program](#)
- [View Planning & Zoning Forms](#)

[Highway Home](#)

[Staff](#)

[County Maintained Roadways](#)

[Highway Services](#)

[-Driveway Permit Application](#)

[-Permit Division](#)

[Road Notices](#)

[Stormwater Studies](#)

[Subdivision Regulations](#)

[Rebuild Alabama FY 2020 County Transportation Plan](#)

[Rebuild Alabama FY 2021 County Transportation Plan](#)

[Forms / Permit Applications](#)

[-Subdivision Application Forms](#)

[Other Helpful Links](#)

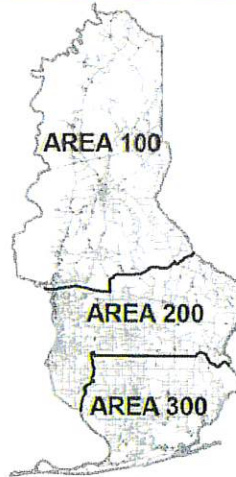
Welcome to the Baldwin County Highway Department

The Baldwin County Highway Department is committed to constructing and maintaining the infrastructure under our control in a reasonably safe condition for travel.

This department is responsible for the administration, maintenance, and construction of over 1,600 miles of dirt, gravel, and paved roads.

The County is divided up into three (3) maintenance areas. Each area has a supervisor, assistant supervisor, office staff, and crews that are responsible for the day-to-day maintenance of the County maintained roadways in their respective areas. This includes the grading of dirt and gravel roads, pothole repairs, and removal of limbs and vegetation to maintain adequate sight distances.

[View a larger detailed PDF map of the maintenance areas](#)



Area 100 Maintenance covers the northern part of the County. This includes the areas north of I-10 (west of State Highway 59) and north of Truck Trail 17 (east of State Highway 59).

[Contact Area 100 Maintenance](#)

Area 200 Maintenance covers the central and western part of the County. It includes the area south of I-10 (west of State Highway 59) down to County Road 36, the west side of County Road 36, the west side of Fish River, and south of Truck Trail 17 (east side of State Highway 59) down to County Road 36/Blackwater River.

[Contact Area 200 Maintenance](#)

Area 300 Maintenance covers the southern part of the County including the Fort Morgan peninsula.

[Contact Area 300 Maintenance](#)

 SUBMIT REQUESTS	 PERMITS & LICENSE	 PUBLIC RECORDS	 MAKE A PAYMENT	 MOTOR VEHICLES	 COURTS
	 MEETING AGENDAS	 ALERTS	 MAPS	 MEET YOUR COMMISSION	

Adopt-a-Mile

- | | | |
|-----------------|--------|-------------------------------|
| 1. Scenic 98 | 1 mile | Rivenbark & Preister Families |
| 2. Scenic 98 | 1 mile | Marriott Resort |
| 3. Highway 98 | 1 mile | Rob & Renee Smith |
| 4. County Rd 1 | 1 mile | Boy Scouts Troop 47 |
| 5. County Rd 27 | 1 mile | Beckwith |
| 6. County Rd 32 | 1 mile | Charles Phillip Kendrick |



[Planning Home](#)

[-Contact Us](#)

[-Staff](#)

[Zoning Elections](#)

[-Advisory Committees](#)

[Zoning Ordinances](#)

[Subdivision](#)

[Stormwater Information](#)

[Planning Programs](#)

[CRS Flood Insurance](#)

[Planning Commission](#)

[Board of Adjustment](#)

[Get Notified](#)

[Fee Schedule](#)

[Outlying Airfields](#)

[Maps](#)

[Historic Resources](#)

[Forms & Applications](#)

[Upcoming Items](#)

[Links](#)

The Baldwin County Planning & Zoning Department was established in 1996 to oversee the County's growth management activities. This includes administration of the County's land development regulations and management and implementation of various community development and economic development policies and programs. In addition, the department provides staff support for the Baldwin County Planning and Zoning Commission and the various Boards of Adjustment in the zoned areas.

UPCOMING ZONING DISTRICT
ELECTIONS

ZONING IN BALDWIN COUNTY &
HOW IT AFFECTS ME

CITIZENSERVE PORTAL

[Approved Baldwin County Zoning Ordinance - Effective
05.17.2022](#)

[Approved Baldwin County Subdivision Regulations 10.1.21
\(Redlined\)](#)

[Current Subdivision Regulations Effective 10.1.21](#)

[Land Disturbance Ordinance for Flood Prone Areas or Territories](#)

[Baldwin County Master Plan – 2013 Approved and Adopted](#)

[2020 Flood Hazard Protection Newsletter](#)

[FloodSmart.gov](#)

[Planning Home](#)

[-Contact Us](#)

[-Staff](#)

[Zoning Ordinances](#)

[Subdivision](#)

[Stormwater Information](#)

[Planning Programs](#)

[CRS Flood Insurance](#)

[Planning Commission](#)

[Board of Adjustment](#)

[Fee Schedule](#)

[Outlying Airfields](#)

[Maps](#)

[Historic Resources](#)

[Forms & Applications](#)

[Subscribe to Get Notified](#)

[Links](#)

The Baldwin County Planning & Zoning Department was established in 1996 to oversee the County's growth management activities. This includes administration of the County's land development regulations and management and implementation of various community development and economic development policies and programs. In addition, the department provides staff support for the Baldwin County Planning and Zoning Commission and the various Boards of Adjustment in the zoned areas.

**Proposed Amendments to the Baldwin County Zoning Ordinance
Pertaining to Planning District 19**

[Planning District 19 - Proposed Amendments to Zoning Ordinance](#)

[Planning District 19 - Proposed Changes Only \(Planning Comm\)](#)

[PLANNING DISTRICT 19 PROPOSED ZONING MAP
PD 19 Proposed Zoning Map with PC Recommended Changes
Full Zoning Ordinance](#)

**** [Click Here for Zoning and Subdivision Applications](#) ****

****Due to increased fees by Mastercard and Visa, the convenience fee for this online service will be 3.65% starting April 1, 2020.****

**Beginning November 2, 2020
New online system for:**

- Land Use Certificate Applications
- Land Disturbance Applications
- Sign Applications
- Billboard Permit Applications
- Zoning Verification Request
- Request for Exempt Subdivision Letter

**** Please click on the link below for instructions ****

<https://baldwincountyal.gov/citizenserve-portal/>

[Baldwin County Master Plan – 2013 Approved and Adopted](#)

[2020 Flood Hazard Protection Newsletter](#)

FloodSmart.gov

[Current Planning Programs](#)

 SUBMIT REQUESTS	 PERMITS & LICENSE	 PUBLIC RECORDS	 MAKE A PAYMENT	 MOTOR VEHICLES	 COURTS
---	---	--	--	--	--



Home / Building Department

[Building Department Home](#)

[- Contact Us](#)

[- Staff Contacts](#)

[Apply Online - Citizenseve Portal](#)

[Building Codes](#)

[Flood Zone Requirements](#)

[Permit Application Checklists](#)

[Fee Schedule](#)

[Permit Reports](#)

[Elevation Certificates](#)

[Flood Damage Prevention Ordinance](#)

[Flood Hazard Management Plan](#)

[- Master Plan Feedback Form](#)

[- FHMP Meeting Minutes](#)

[- Flood Map Risk \(Public Outreach\)](#)

[Fortified Homes](#)

[- NEW Residential Homes](#)

[- EXISTING Residential Homes](#)

[Quick Links](#)

The Baldwin County Building Department is responsible for the permitting and inspection of residential and commercial construction (including new construction, additions, alterations, repairs, and remodeling) throughout the County's building permitting jurisdiction as required by the International Building Codes.

BUILDING PERMIT JURISDICTION:

The county building permit jurisdiction includes unincorporated areas of Baldwin County as well as the towns of Elberta, Magnolia Springs, and Perdido Beach. For properties located inside any city limits other than those towns listed above, the property owner or contractor should contact the specific city's building department office for permitting requirements and information. [Click here for a list of municipalities inside Baldwin County and links to their websites.](#)

CITIZENSERVE PORTAL - APPLY FOR PERMITS ONLINE:

In the portal, you may submit Planning & Zoning Department applications and Building Department permit applications. You may also upload construction plans and required documents, check application review status, pay fees, schedule inspections, and much more.

The portal is compatible with most tech devices - phones, tablets, laptops, and desktop computers. You can log in anytime and anywhere - from your office, home, or even from the jobsite. The portal is most compatible with the Google Chrome internet browser.

>>>> [Property Owner Registration: How-To Video](#) <<<<

>>>> [Contractor Registration: How-To Video](#) <<<<

>>>> [Apply For a Permit: How-To Video](#) <<<<

CITIZENSERVE
PORTAL

Solid Waste Home

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[Garbage Collection Services](#)

[Landfills](#)

[Recycling](#)

[FAQ](#)

Please be advised Baldwin County Solid Waste, a Service of the Baldwin County Commission, will be taking measures to protect health, welfare, and public safety of the Baldwin County citizens and its employees during the COVID-19 pandemic.

During this time we ask all citizens to remember all items placed at the curb for collection be contained within your Baldwin County issued Garbage Cart, items placed on the ground will not be collected or picked up by County employees.

Thank you for your patience and understanding as we work to serve the citizens of Baldwin County, while continuing to protect human health and the environment.

[PAY YOUR GARBAGE / TRASH BILL HERE](#)

We accept Visa, MasterCard & Discover
(Sorry, we do not take American Express Cards)

[APPLY FOR GARBAGE SERVICE](#)

[COLLECTION SERVICES](#)

Participation in the solid waste residential collection program, provided by Baldwin County Commission, is mandatory for residents of the unincorporated areas of Baldwin County, Alabama. This is part of an effort to reduce and prevent illegal dumping and littering.

To report illegal dumping or littering, contact Solid Waste. Garbage Collection maintains a normal schedule on all holidays, except Thanksgiving and Christmas.

****COVID-19 ALERT - All garbage at the curb for collection must be in your Baldwin County Cart. Items outside the cart WILL NOT be picked up.****

[CART USE GUIDELINES](#)

[LANDFILLS](#)

Magnolia, MacBride and Eastfork Landfills, and Bay Minette Transfer Station's information.

[RECYCLE](#)

Due to the COVID-19 Pandemic - Some Baldwin County Solid Waste Recycling Services have been temporarily suspended.

Baldwin County cares about the environment and has several container locations throughout the county where you can place items for recycling. The county does not have a curbside recycling program at this time.

[FAQ](#)

Solid Waste's Frequently Asked Questions.





Appendix A-3

2.2.4 Education Outreach Workshops



Baldwin County, AL Commission

Published by Baldwin Co · January 6 at 1:28 PM

The Mobile Bay National Estuary Program hosted a pre-construction tour of the Marlow Lower Fish River Stream Restoration. The Baldwin County Commission is excited to be partnering with the Mobile Bay National Estuary Program on the Baldwin County watershed management planning process!



See Insights

Boost post



27

2 Shares



ALABAMA WATER WATCH TRAINING MARCH 10TH

Get certified to be a volunteer water quality monitor!

The Mobile Bay National Estuary Program and Alabama Water Watch are holding a training workshop for citizens interested in participating in the Coastal Alabama Volunteer Monitoring Program. The workshop is free, but you must pre-register online in advance. Direct questions to Madison Blanchard at mblanchard@mobilebaynep.com.



Learn how to collect, report, and assess water quality data

Training for bacteriological and water chemistry monitoring

Supplies Provided

Meet other local water monitors

Learn how you can help protect our waters and Create a Clean Water Future!

Location:
Lillian Volunteer Fire Dept. -
Station 2

Address:
11331 Co Rd 91
Lillian, AL 36549

Date/Time:
March 10, 2022 9AM-4PM

Register Online at:
<https://www.eventbrite.com>



Agenda

Mobile Bay National Estuary Program D'Olive Watershed Restoration Site Tour

Wednesday, June 16, 2021

Meet at 7:00 AM - PJ's Coffee: 6510 Spanish Fort Blvd, Spanish Fort, Alabama

Attendees:

Title	First	Last	Title	Organization
Honorable	Sandy	Stimpson	Mayor	City of Mobile
Mr.	Jim	DeLapp	Executive Director, Public Works	City of Mobile
Mr.	Matt	Anderson	Director, Civic and Cultural Affairs	City of Mobile
Honorable	Robin	LeJeune	Mayor	City of Daphne
Mr.	Tim	White	Environmental Program Manager	City of Daphne
Mr.	Cody	Ledet	Site Containment Inspector I	City of Daphne
Ms.	Ashley	Campbell	Natural Resource Planner	Baldwin County
Mr.	Lee	Walters	Regional Vice President	Goodwin Mills Cawood
Mr.	Andrew	James	Project Manager	Volkert
Ms.	Marybeth	Sullivan	Project Manager	Moffatt Nichol
Ms.	Roberta	Swann	Director	MBNEP
Mr.	Jason	Kudulis	Project Manager	MBNEP

7:00 AM Meet at PJ's Coffee: 6510 Spanish Fort Blvd

7:00 to 9:00 AM Tour Stops:
 Pine Run in Timberrcreek: Before restoration (Site 1)- Andrew James
 Melanie Loop: After restoration (Site 2)- Lee Walters
 Tiawasee Montclair: After restoration (Site 3)- Andrew James
 TC1 & TC2: After restoration (Site 4)- Lee Walters, Ashley Campbell

9:00 AM Adjourn or Return to PJ's Parking Lot

REQUEST FOR BRATS TRANSIT SERVICE

Name of Organization: Mobile Bay National Estuary Program Date of Request: 06/16/2021
Contact Person: Ashley Campbell Email Address: ashley.campbell@baldwincountyal.gov
Phone Number: 251-423-3632
Billing Address: 201 Section Ave East
Do you currently have an approved account with Baldwin Regional Area Transit System? Yes No X

POTENTIAL EXEMPTIONS OR EXCEPTIONS

EXEMPTION: Rural Program Purpose

Is the origin of the proposed trip outside the MPO Urbanized Area (see attached map)? Yes No
Will the proposed transportation be for a human service organization or for elderly, disabled, or low income passengers. Yes No X

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)?
Those with mobility limitations due to advanced age Those with disabilities 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)? Yes X No
Will the proposed involve official government business? Yes X 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 X

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: D'Olive Watershed Restoration Tour Date of Event: 6/16/2021
Contact Person at Event: Henry Perkins Cell Phone Number: 251-591-2289
Number of Vehicles Needed: 1 Number of Passengers: 15
Number of Wheelchairs: 0 Number of Lift Assist Passengers: 0
Time to Begin Event: 7:30a.m. Time Event Will End: 10:45p.m.

Pick Up Location & Physical Address:

Meet in Spanish Fort at the shopping center parking lot east of PJ's Coffee located at 6510 Spanish Fort Blvd, Spanish Fort

Destination Location and Physical Address: Pine Run in Timbercreek: Before restoration (Site 1)
Melanie Loop: After restoration (Site 2)
Golf Course Tributary: After restoration (Site 3)
TC1 & TC2: After restoration (Site 4)
Tiawasee Montclair: After restoration (Site 5)
D4D6 time permitting: After restoration (Site 6)

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: Ashley Campbell (Authorized Signature)

For: Baldwin County (Company Name)

Trip Scheduled: (scheduler signature) (date)

Approved Cost:

BALDWIN

— COUNTY, ALABAMA —

Wetlands Training

Background:

The wetlands within Baldwin County, Alabama are an indispensable and are fragile natural resources that present significant development constraints due to flooding, erosion, and soils limitations. In their natural state, wetlands serve humanity and nature. They provide habitat areas for fish, wildlife, and vegetation; provide water quality maintenance and pollution control, flood control, erosion control, natural resource education, opportunities for scientific study, and open space and recreational opportunities. In addition, wise use of wetlands is essential to the economic well-being of Baldwin County. A considerable number of these important natural resources have been lost or impaired by draining, dredging, filling, excavating, construction activities, pollution, and other acts. Incremental or cumulative losses will, over time, destroy additional wetlands. Damaging or destroying wetlands threatens public safety and the general welfare of the Citizens of Baldwin County.

It is therefore necessary for Baldwin County to ensure maximum protection for wetlands by discouraging development activities that may adversely affect wetlands. The purpose of the wetland protection overlay district is to promote wetland protection, while accounting for varying ecological, economic development, recreational and aesthetic values and to protect wetlands from alterations that will significantly affect or reduce their primary functions for water quality, floodplain and erosion control, groundwater recharge and wildlife habitats.

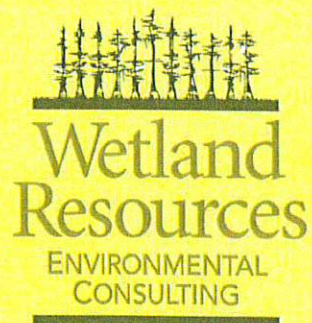
To expand County staff's knowledge of wetlands and wetland permitting, Baldwin County Planning and Zoning seeks a proposal for a two (2) hour Wetland Basics training course for all Planning and Zoning staff along with six (6) hours of field training for Code Enforcement staff.



April 16, 2022

INVOICE

Baldwin County Commission
Attn: Finance-Accounts Payable
312 Courthouse Square, Suite 11
Bay Minette, Alabama 36507



Project Description: Wetland Training for Planning & Zoning Staff

Invoice Number: 22-150

Purchase Order Number: 20223858-002

Services Provided:

- Provided a one-day training session for Baldwin County Planning and Zoning staff on basic methodology for recognizing wetlands and identifying wetland boundaries.

AMOUNT DUE **\$1,650.00**

Please remit the above amount to:

WETLAND RESOURCES
Post Office Box 2694
Daphne, Alabama 36526

A handwritten signature in black ink that reads "Ashley Campbell". The signature is written in a cursive, flowing style.

P.O.# 2022 3858-002

Thank you!



Baldwin County Purchasing Department
 312 Courthouse Square, Suite 15
 Bay Minette, AL 36507
 Federal Tax Exemption Certificate No. 63-6001408

Purchase Order

Fiscal Year 2022 Page 1 of 1

ALL ORDERS MUST HAVE A PACKING OR RECEIVING SLIP INCLUDED IN THE BOX AT TIME OF DELIVERY.

Purchase Order Number **20223858-002**

Purchase Order Date 03/04/2022

Department **PLANNING DEPARTMENT**

Required By 03/07/2022

Bill To
 Baldwin County Commission
 Attn: Finance-Accounts Payable
 312 Courthouse Square, Suite 11
 Bay Minette, AL 36507

Ship To
 BALDWIN CTY PLANNING &
 ZONING
 ATTN: PLANNING & ZONING
 22251 PALMER STREET
 ROBERTSDALE, AL 36567

Vendor 2025
 WETLAND RESOURCES ENVIRONMENTAL CONSULTING
 (JAGET, INC.)
 P O BOX 2694
 DAPHNE, AL 36526

EXEMPT FROM ALL SALES TAX. The purchase order number above must be included on all packing slips/bills of lading/invoices. Invoice immediately upon shipment.

CHANGE ORDER

VENDOR PHONE NUMBER	VENDOR EMAIL	VENDOR NUMBER	REQUISITION NUMBER	BUYER NAME	DELIVERY REFERENCE
1-251-402-6055	JAGET@ZEBRA.NET	2025	22004617	Pam Kirchharr	

NOTES

NONE
 Wetland Training for Planning & Zoning

ITEM #	DESCRIPTION	QUANTITY	UOM	UNIT PRICE	EXTENDED PRICE
1	Wetland Training for Planning & Zoning GL #: 10052730 - 51700	1.0000	EACH	\$1,650.0000	\$1,650.00

Authorized by the Chairman & Purchasing Division Commissioner in accordance to Section 8 of Act No. 239 (1931).
 ACCEPTANCE AND MODIFICATION OF AGREEMENT: This Purchase Order (P.O.) becomes a binding contract, when accepted by delivery of acknowledgement to Purchaser or by delivery of materials in whole or in part. All Purchases FOB Destination unless noted otherwise in the body of the Purchase Order. For questions call 251-937-0336.

Total Ext. Price \$1,650.00
 Purchase Order Total **\$1,650.00**

Ashley Campbell

Subject: Wetland Training
Location: Robertsdale Central Annex- 22251 Palmer St, Robertsdale, AL 36567

Start: Fri 5/6/2022 8:00 AM
End: Fri 5/6/2022 10:00 AM
Show Time As: Tentative

Recurrence: (none)

Organizer: Ashley Campbell
Required Attendees: Robert Brown; mayor@townofperdidobeach.org; Paula Bonner; Shawn Mitchell; Gena Todia; Brenda Brock; Orié King; Buford King; Celena Boykin; D Hart; Vincent Ramer; Crystal N. Bates; Linda Lee; tylery@townofloxley.org; Mary Booth; Amy E. Galemore; Janie Joiner; Fabia.Waters
Optional Attendees: clerk@magnoliasprings-al.com; Frank Lundy; Terri L. Graham; townclerk@townofsilverhill.org; planning@summerdaleal.com; building@summerdaleal.com; Matthew Brown; Jonathan Smith; cwoerner@townofelberta.com

Baldwin County Planning & Zoning
Wetland Review Desktop Training 8:00am – 10:00am

Wetland Training Topics

- A. Importance of Wetlands and streams-
 - 1. Jurisdictional wetlands and streams
 - 2. Non-jurisdictional Wetlands(Grady ponds) and streams

- A. Tools for desktop review of wetlands and streams
 - 1. Maps for wetlands and streams BC Revenue Map, NWI, others
 - 2. Google Earth historic images
 - 3. Other desktop tools

- A. Understanding a Wetland delineation and the 3 Wetland Indicators: soil, hydrology, and plants
 - 1. Difference between wetland assessment, wetland delineation and a Jurisdictional Determination
 - 2. How Gena does a delineation....
 - a. Data sheets and wetland sampling points-How you do this
 - b. Why this is important for the USACE and us

- A. Perform a desk top review

- A. Questions



Wetland Plant Identification Training

May 9 – 11, 2022

8:00 AM - 5:00 PM

Graham Creek Nature Preserve, 23030 Wolf Bay Drive, Foley AL
36535

Registrant Information (required fields are marked with *)

*First Name:

*Last Name:

*Firm/Organization
Name:

*Address:

*City:

*State: ▼

*Zip Code:

*Phone:

*Email Address:

Dietary,
Accessibility
and/or Other
Needs:

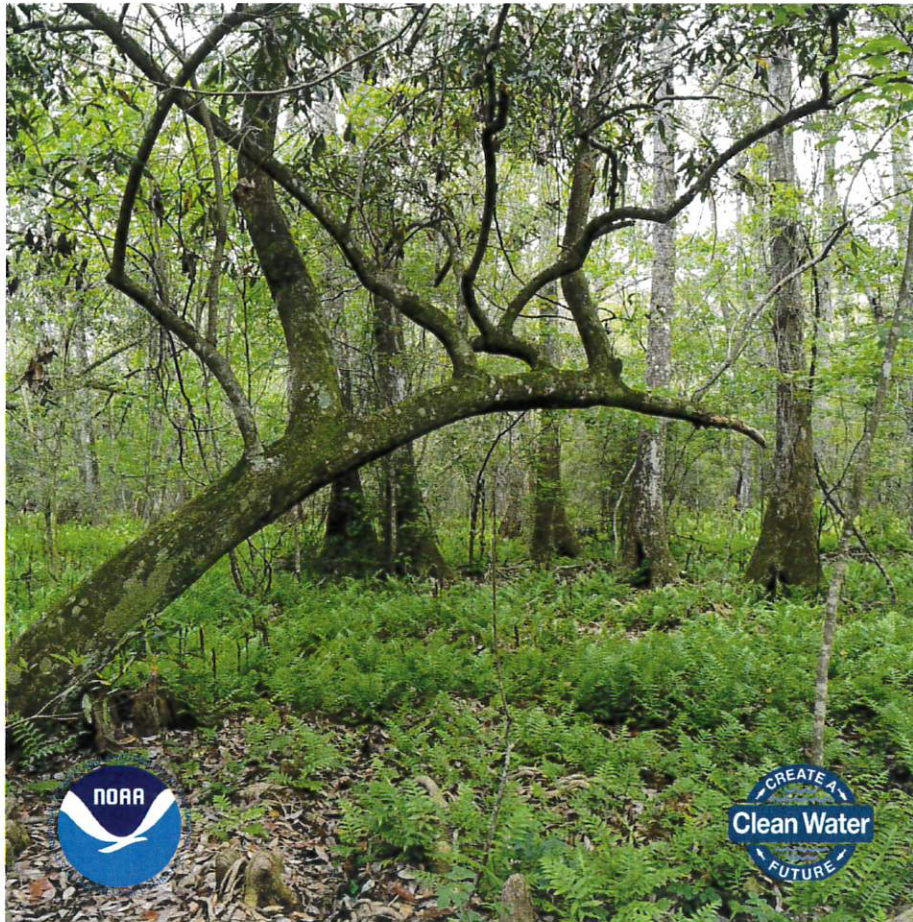
Registration Fees

Fee Rates: Registration Fee: \$350 ▼

Payment Information

Visa, Mastercard, Discover and American Express are accepted.

Make Credit Card Payment



JULY 26 & 27

INTRODUCTORY WETLAND TRAINING

Get the basics on wetland identification and delineation.

This workshop will cover the Corps of Engineers' 3-parameter approach to identifying wetlands and their upper boundaries. Learning through a combination of classroom presentations and examination of field sites in the local area, participants will be trained to recognize wetlands. Gena Todia, Wetland Resources Environmental Consulting, is lead instructor. The workshop is hosted by Baldwin County Commission, the City of Foley, the Alabama Cooperative Extension Service, NOAA and Weeks Bay NERR. Thanks to our sponsors below.



**Municipal
Employees**

**Environmental
Scientists**

**County
Employees**

Home Builders

Registration Fee \$150.00

Lunch Provided

12 Registrations Available

Register online:

<https://aub.ie/hydric2021>



**CITY OF FOLEY
GRAHAM CREEK NATURE
PRESERVE**

23030 Wolf Bay Drive
Foley, AL 36535

Monday July 26 8-5 PM

Tuesday July 27 8-5 PM

SCHEDULE OF INSTRUCTION

INTRODUCTION TO WETLAND IDENTIFICATION AND DELINEATION

DAY 1

- 8:00 Introductions, Orientation, Course Schedule, Safety, Miscellaneous
- 8:10 Introduction to Wetland Identification & Delineation
- 8:30 Hydrology Background & Wetland Hydrology Indicators
- 9:00 Hydrophytic Vegetation Background & Indicators
- 9:30 Soils Background
Soil Color and Use of the Munsell Soil Color Chart
- 10:15 Break
- 10:30 Field Indicators of Hydric Soils
- 12:00 Lunch
- 1:00 Field Exercise
- Vegetation Sampling
 - Hydrology Indicators
 - Hydric Soil Indicators
 - Familiarization with Data Forms

DAY 2

- 8:00 Routine Delineation Methods
- 8:30 Online Resources
- 9:30 Field Exercise
- Vegetation Sampling
 - Hydrology Indicators
 - Hydric Soil Indicators
- 11:30 Lunch
- 12:30 Field Exercise
- Vegetation Sampling
 - Hydrology Indicators
 - Hydric Soil Indicators

(Class will end by 5:00 pm each day)

Wetland Plant ID May 9-11, 2022 Foley, AL

Name	Address	Phone	Email	Student
Bates, Cassie	450C Government St		cbates@mobilebaykeeper.org	Student ✓
Brown, Robert	201 Section Ave East		robert.brown@baldwincountyal.gov	Student ✓
Davis, James	6919 highway 119, Suite 400		jdavis@corblu.com	Student ✓
Ewing, Josh	25353 Friendship Road		jewing@dewberry.com	Student ✓
Henley, April	2660 Eastchase Lane, Suite 200		april.henley@gmcnetwork.com	Student ✓
Hopkins, Haden	23030 Wolf Bay Drive		haden.hbh@gmail.com	Student ✓
King, Ori	201 Section Ave East	2516544089	ashley.campbell@baldwincountyal.gov	Student ✓
Ramer, Vince	201 Section Ave East	2514021847	vramer@baldwincountyal.gov	Student ✓
Schwer, Maureen	PO Box 361		Maureen@ecosolutionsinc.net	Student ✓
Smith, Brandon	11 North Water Street, Suite 15250	12513386851	brandon.smith@gmcnetwork.com	Student ✓
Smith, Katie	3664 Dauphin St	2513041176	KATIEM.SMITH@ADEM.ALABAMA.GOV	Student ✓
Tacon, Maury	6919 Highway 119, Suite 400		mtacon@corblu.com	Student ✓
Townsend, Brodie	23030 Wolf Bay Dr.	2519793098	Btownsend@cityoffoley.org	Student ✓
Williams, Darrel	11401 U.S. Hwy. 98		darrel@southalabamalandtrust.org	Student ✓
Woolery, Brandi	25353 Friendship Road		bwoolery@dewberry.com	Student ✓
Burcham, Wade	2200 E Bay Dr Apt 79		burcham.wade@gmail.com	Sponsor ✓
Hudson, Bethany	118 North Royal Street, Suite 601		budson@mobilebaynep.com	Sponsor ✓
Jackson, Webb	9797 Timber Circle		wjackson@anchoragea.com	Sponsor ✓
Pringle, Melissa	6360 I-55 North, Suite 330		accounting@allenes.com	Sponsor ✓
Walters, Lee	11 North Water Street, Ste 15250		lee.walters@gmcnetwork.com	Sponsor ✓

James
Martin

Jordan Hollinghead
Renée Robertson

Allen ES
Anchor QEA

Alabama Erosion and Sediment Control Partnership Clear Water Alabama – Local Planning Committee Meeting January 20, 2022

Attendees

Earl Norton, AL SWCC

Tim White, City of Daphne

Mike Shelton, Weeks Bay/ADCNR

Evan Reid, Volkert

Richard Johnson, Fairhope Public Works

Ashley Campbell, Baldwin Co. Planning

Laura Smith, Baldwin SWCD

Perry Oakes, AL SWCC

Angie Eckman, City of Foley

Casey Rains, City of Spanish Fort

Barry Fagan, Volkert

Kim Burmeister, Fairhope Planning/Zoning

David Ludwig, City of Mobile

April Griffin, Mobile SWCD

Earl first updated the group on the history of the Erosion and Sediment Control Partnership and the Clear Water Alabama event.

Group would like to encourage the attendance of engineers/construction groups/earth-moving groups.

Group approved making the event a joint meeting with the Alabama Stormwater Association (ASA). It would be a good show of partnership/support. ASA has been providing seminars and technical training the last four years. ASA could tack board meeting to the end of Clear Water event.

Theme – “Clear Water: Creek to Coast”. It fits a statewide perspective. That won out over “Do it for the Mullet.”



Date – The group debated keeping it a two-day event or making it half day Wednesday, full day Thursday and half day Friday. It was decided that it was more practical to keep it a two-day event. Date selected: Wednesday, September 21 (all-day seminar) and Thursday, September 22 (all-day field day).

Perry said the first order of business will be to produce “save the date” cards. Perry will do this and distribute to the group for their use.

Location – The group discussed the pros and cons of Daphne Civic Center, Fiver Rivers Delta Resource Center and Mobile Convention Center. After a discussion on field day sites, Daphne Civic Center was selected for the meeting location. Tim White will investigate the City possibly sponsoring the Civic Center for the event.

Seminar Agenda –

- The program always contains: 1. keynote related to the conference theme, 2. Auburn University – Stormwater Research Center providing a stormwater research update, and 3. ADEM providing a regulatory update.
- Mike Shelton recommended Ben Raines as a keynote speaker. Ben is a noted coastal environmental journalist whose focus is on coastal waterways. Mike agreed to reach out to Ben and check on his interest/availability.
- Other possible Keynoters:
 - Roberta Swan, Mobile Bay NEP
 - Cade Kistler, Mobile Bay Keepers

Casi Calloway, Chief Resiliency Officer, City of Mobile.

- Richard Johnson/City of Fairhope has a lot of projects to brag about. Richard suggested the Rock Creek project which doesn't look engineered. Also working with NRCS on an EWP project on Cowpen Creek. Richard could present at seminar and possibly couple it with a field day stop.
- Tony Cooper with ALDOT/Andy James with Volkert could talk about constructed wetland in Orange Beach (Mariner Lakes?). James designed the plan.
- City of Mobile Stormwater Mapping Project/MS4 work. David Ludwig said network and mapping could be presented but manual may not be ready by September.
- Stormwater Detention Basins: Who is Responsible? Fireside chat format suggested with a facilitator/city public works/developer/regulator. Richard Johnson was suggested for public works perspective. Dwayne Miller's name was given for developer. Barry Fagan agreed to be the moderator and coordinate this activity.
- A biologist speaker. Ashley suggested JJ McCool, Wildlife Solutions to discuss site restoration and Tom Hutchins with Eco Solutions for MS4 compliance.
- ADEM discussion should be short on regulations and mostly discuss common problems. Tim Cannole and Dana Denson possible speakers.
- Technical topic. Mike Perez, Stormwater Resource Center, can work with Applied Polymer Systems at a field day activity (seminar too possibly) to discuss/demonstrate proper use of Flocculants.
- American Society of Engineers key findings report will be published in February. Scott Rogers possible presenter.

Field Day -

- Roadway Project. ALDOT talk about how to control erosion, challenges, and new practices.
- Homesite Construction. Demonstrate techniques to minimize erosion. Need developer who is willing to work with us/environmentally conscious. Joe Alberstadt with Truland Homes was suggested. Would be nice to have sediment basin or storm water detention basin that has been retrofitted as a sediment basin.
- Highway 181 road-widening project. Used an active treatment system created by Putnam. It has a lot of automation. John Rasmussen is contact and could possibly bring system to demonstrate.
- Joey Nunley, Baldwin County Engineer. Ashley said she would be happy to follow up and facilitate.
- Large development site. There are two Publix grocery stores being constructed in Fairhope, an ALDI's at the corner of Hwy 181 and Fairhope Ave, and a Retirement Home at Hwy 98 and Volanta.
- Earl suggested a stream mitigation bank or wetland mitigation bank. After a discussion, the group determined that it would not be practical given the project locations.

Sponsorship -

- April was asked to compile a complete list of all local municipalities and district sponsors.
- Industry sponsors can donate money, product or time.
- With good attendance the event usually makes \$12-\$15K
- 75-100 registrants usually cover event expense without sponsorship; however, the event needs to make some money to help support contract expenses.
- Want to produce a high-quality meeting.
- Thompson Engineering sponsored a low-country boil when the event was held in Mobile, but it was not well attended.

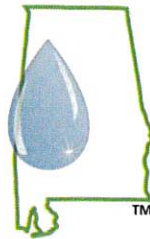
Promotion -

- Everyone takes part in promotion.
- Have never had radio/TV promo. Would be nice to garner.
- Let city mayors know so they can encourage construction supervisors to attend.

Other -

- Tim White is going to ask Daphne mayor to welcome guests.
- Laura is going to check on hotels – 30-40 rooms. Hampton Inn and Fairfield Inn. (Note: The Daphne Civic Center has working relations with hotels in the area. Check with Shannon Brannon at the Civic Center)
- Next meeting is April 5 at 10 a.m. at The Daphne Civic Center.

Clear Water AlabamaTM 2022
Daphne Civic Center
Daphne, AL



Seminar
September 21, 2022

Clear Water: Creek to Coast

Presented by:
The Alabama Soil and Water Conservation Committee,
Alabama's Erosion and Sediment Control Partnership, and
The Alabama Stormwater Association

Clear Water Alabama^{TN} 2022
Clear Water: Creek to Coast
Wednesday September 21, 2022 - Seminar Agenda
(6.0 PDUs or 0.6 CEUs)

Purpose: Provide relevant training to erosion and sediment control professionals and others involved in planning, designing, installing and inspecting erosion control, sediment control and stormwater management systems.

Morning Moderator – Alex James, AL Soil and Water Conservation Committee

- 7:30 a.m. On-Site Registration begins (continental breakfast provided by [redacted])
- 8:30 a.m. **Welcome and Plans for the Day**
Bill Puckett, PhD, AL Soil and Water Conservation Committee, Montgomery, AL
- 8:35 a.m. **Welcome to Daphne**
Robin LeJeune, Mayor of Daphne (invited)
- 8:40 a.m. **Keynote: Clear Water: Creek to Coast**
Ben Raines, award-winning environmental journalist, filmmaker, and charter captain. (invited)
Introduced by:
Barry Fagan, PE/PLS, ENV SP, CPMSM, CPESC, CESSWI, Vice President –
Environment & Infrastructure | Volkert, Inc., Montgomery, AL
- 9:20 a.m. **ADEM: Construction Stormwater Local Issues**
ADEM Rep. (Tim Cannole or Dana Denson), AL
- 10:00 a.m. **Meet Your Industry Reps** (1/2 of industry sponsors, 1 minute each)
- 10:05 a.m. **Break and Product Reviews with Exhibitors**
(break provided by [redacted])
- 10:30 a.m. **The 2022 Blue Book: Major Changes from 2018**
Perry L Oakes, PE, AL Erosion and Sediment Control Program Coordinator, Auburn, AL
- 11:15 a.m. **The Latest on Polymer Research**
Wesley Donald, PhD, Auburn University, Auburn, AL
- 12:00 p.m. **Meet your Industry Reps** (1/2 of industry sponsors, 1 minute each)
- 12:05 p.m. **Lunch** (provided by [redacted])
and
Product Reviews with Exhibitors

Clear Water Alabama^{TN} 2022
Clear Water: Creek to Coast
Wednesday September 21, 2022 - Seminar Agenda
(6.0 PDUs or 0.6 CEUs)

Afternoon Moderator – Earl Norton, CPESC, CPAg. AL Soil and Water Conservation Committee

- 12:45 p.m. **A Fireside Chat: “It’s Not my Detention Basin!”** *(Barry to coordinate this)*
Barry Fagan, PE/PLS, ENV SP, CPMSM, CPESC, CESSWI, Vice President –
Environment & Infrastructure | Volkert, Inc., Montgomery, AL
Richard Johnson, City of Fairhope
Dwayne Miller, Developer
Other *(HOA rep.?)*
- 1:45 p.m. **AU-SWRF Update**
Wesley Donald, PhD, Auburn University, Auburn, AL
- 2:30 p.m. **Break and Product Reviews with Exhibitors**
(break provided by *[redacted]*)
- 2:55 p.m. **The US 98 Story**
Barry Fagan, PE/PLS, ENV SP, CPMSM, CPESC, CESSWI, Vice President –
Environment & Infrastructure | Volkert, Inc., Montgomery, AL
- 3:35 p.m. **Keeping the Water Clear Around Fairhope**
Richard Johnson, PE, Public Works Director, City of Fairhope, AL *(invited)*
- 4:15 p.m. **Bon Secour River Constructed Wetland** – *Field Trip*
Andy James, *(add Title)* Volkert
- 4:50 p.m. **Door Prizes, Close Out, and Plans for Field Day**
April Griffin and Laura Smith, Mobile and Baldwin County SWCDs and Earl Norton, CPESC, CPAg.
AL Soil and Water Conservation Committee, Auburn, AL
- 5:00 p.m. **Pick up Seminar Certificate**
-

Alabama’s Erosion and Sediment Control Partnership
State-wide Steering Committee

Alabama Soil and Water Conservation Committee, Chair
Alabama Chapter of the Soil and Water Conservation Society
Alabama Association of Conservation Districts
Alabama Associated General Contractors
Alabama Cooperative Extension System
Alabama Department of Environmental Management
Alabama Department of Transportation
Auburn University
Auburn University Erosion and Sediment Control Test Facility
Home Builders Association of Alabama
Natural Resources Conservation Service

Weeks Bay National Estuarine Research Reserve

Industry Sponsors (State-wide) (TBD)

Alabama Power Company
American Excelsior
Applied Polymer Systems
Erosion Pros
GroGreen Solutions
Hanes Geo Components
Sunshine Supplies, Inc.
Motz Enterprises (Flexamat)
Thompson Engineering

Local Sponsors

Baldwin and Mobile County Conservation Districts
Cities of Daphne, Mobile, Fairhope, Foley, Spanish Fort, and Saraland
Mobile and Baldwin County Commissions
AL Department of Transportation
ADCNR – Weeks Bay
Volkert

Exhibitors (TBD)

Sunshine Supplies, Inc.
Applied Polymer Systems
Guardian Retention Systems
Hanes Geo Components
Motz Enterprises (Flexamat)
Silt-Saver
AL Erosion and Sediment Control Partnership

**Thanks to All Sponsors, Exhibitors, and Attendees
for
Supporting Clear Water Alabama
And
Helping to Protect Our Natural Resources**

Seminar Speakers:

Perry L Oakes, PE: Perry Oakes is retired from the USDA - Natural Resources Conservation Service after a 35-year career. Perry currently works under contract as the Erosion and Sediment Control Program Coordinator for the Alabama Soil and Water Conservation Committee. During his career he served as a Project Engineer for construction and as the Agricultural Engineer at the Alabama Fish Farming Center in Greensboro. Perry served as the State Conservation Engineer for the last 19 years of his Federal career. Perry has a BS and MS in Agricultural Engineering from Auburn University and is a registered Professional Engineer in Alabama. Perry has worked closely in the development and revisions of the Erosion and Sediment Control Handbook in Alabama. Since retirement, Perry was contracted to coordinate the most recent revisions to the Handbook and accompanying Field Guide. In January 2021, Perry assumed the lead role as Program Coordinator. Perry is active in the Alabama Chapter of the Soil and Water Conservation Society. Perry is married, has 2 daughters, and 6 grandchildren.

Wesley N. Donald, Ph.D., CPESC: Dr. Donald is a Research Fellow in the Department of Civil and Environmental engineering at Auburn University. He has worked and researched in the field of erosion, sediment, and stormwater control for over 10 years on projects associated with ditch checks, inlet protection, sediment barriers, erosion control testing under rainfall simulation, sediment basins, and post construction related catch basin inserts. These projects have been for Alabama, Ohio, Iowa, and Nebraska DOTs. Dr. Donald is a part of ASTM International's committee on erosion and sediment controls and sits on three International Erosion Control Association committees, including chairing the Editorial Review committee.



Appendix A-4

2.2.5 Education Outreach Training (See Appendix F)



Appendix A-5

2.3.4 Public Involvement /Participation Master Environmental Educator

MASTER ENVIRONMENTAL EDUCATION

Date: August 27, 2021
Time: 8:45 check in, 9:00 am – 3:30 pm
Place: Tonsmeire Weeks Bay Resource Center
11525 US-98, Fairhope, AL

Training Agenda

Time	Item	Presenter
8:45	Sign-In	
9:00	Welcome & Introduction	Sarah Butterworth 4-H Agent
9:15	Welcome to Weeks Bay	Clara Zubrick Week Bay Resource Center
9:30	Board of Education	Becky Turner Board of Education
9:45	Introduction to MEE	Charlotte Roberts Agent Assistant
10:00	Recycling	Linda Smith
10:30	Invasive Plant Species	Josh Roberts
11:00	Backyard Wildlife Habitat	Anna Bryant
11:30	Stormwater Pollution	Ashley Campbell
12:00	Lunch	
12:30	Group Photo	
12:45	Water Cycle	Bob Young
1:15	Energy	Scott Sligh, James Wallace
1:45	Alabama Water Watch	Sarah Butterworth Tim Patton
2: 15	Groundwater Pollution	Charlotte Roberts
2:45	Aquatic Nuisance Species	Charlotte Roberts
3:00-3:30	Evaluations, Questions & Adjourn	Cathy Banning & Charlotte Roberts

**“Hand’s On” practice, Sept. 24, 2021, Gulf Coast Research & Extension Center,
8300 Hwy 104, Fairhope, 10:00 am – 12:00 pm.**



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ENVIRONMENTAL STEWARDSHIP

Educating students to protect our coastal environment

Baldwin County 4-H Master Environmental Education Volunteers engaged with 7,313 young people to help give them an understanding and appreciation of the environment in their own backyards.



254 LESSONS TAUGHT



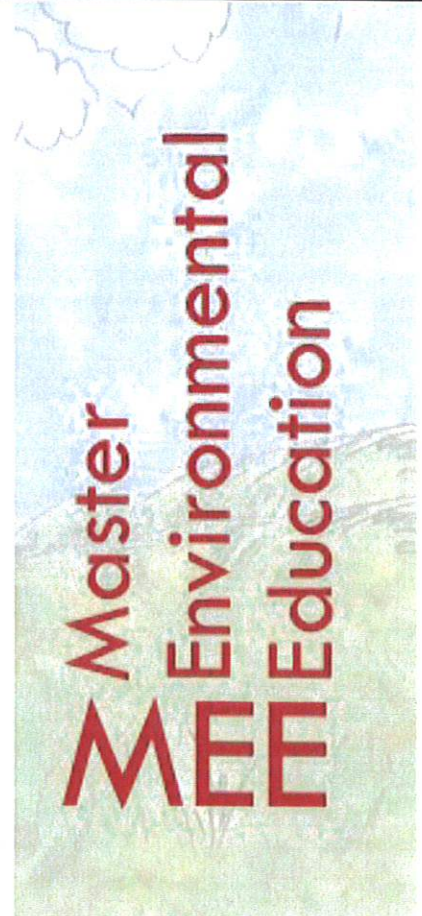
22 SCHOOLS



409 VOLUNTEER HOURS



7,313 YOUTH REACHED



7,313

Youth Reached in Baldwin County during 2021-2022

Alabama Water Watch * Aquatic Nuisance Species * Backyard Wildlife Habitat
Energy * Groundwater Pollution * Invasive Plant Species
Recycling * Stormwater Pollution * Water Cycle



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.



ALABAMA 4-H VOLUNTEERS

Creating youth and adult partnerships.

Inspiring Kids to Do

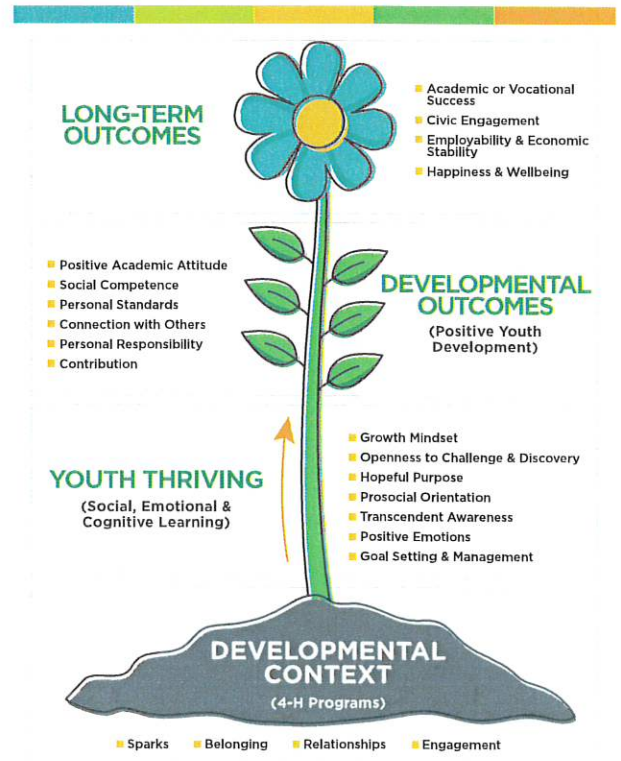
Mike Jones, 4-H Volunteer & Doug Summerford, Houston County 4-H Agent



“As a 4-H volunteer, it is my family’s honor to contribute to our community. The knowledge I have gained through service has allowed me to pour into our youth. Watching them apply the skills they have learned through 4-H has given me hope that our world will be filled with productive citizens.” – Mike Jones, Houston County 4-H Volunteer



71,241 young people in Alabama 4-H



The Bottom Line

4-H provides opportunities for personal growth and helps volunteers give back to their communities.

Visit www.alabama4h.com for more information.



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Stormwater Pollution

1st
Period

School Information

School Name Daphne High School Date: 10/6
 Teachers Name Tipton and Mott/Hamilton Grade: 9-12

Student Demographics

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth	19	3		1			23 Ag Sci	17	6
Adults	2								

Post Student Evaluation - Raise Your Hand

- How many of you will pick up trash along your road? # _____
- How many of you will volunteer for the next Coastal Clean Up? # _____

Teacher Evaluation

- How would you rate this presentation? Outstanding _____ Poor _____
 (5) 4 3 2 1
- Would you schedule this lesson again? (Yes) No
- Did this lesson meet your curriculum needs? (Yes) No

4. What information do you feel was most helpful for your students? Additional Comments:

Speakers use a number of methods to keep the interest of students and keep them engaged and participating.

MEE Volunteer

MEE Name _____ Volunteer Hours _____
 MEE Name _____ Volunteer Hours _____



Master Environmental Education

Stormwater Pollution

School Information

School Name Daphne High School Date: 6 Oct 2024
 Teachers Name NK Mott / Mary Hamilton, Substitute Grade: 9

Student Demographics

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth		5		3				14	3
Adults	11	3							
	2								

Post Student Evaluation - Raise Your Hand

- How many of you will pick up trash along your road? # _____
- How many of you will volunteer for the next Coastal Clean Up? # _____

Teacher Evaluation

- How would you rate this presentation? Outstanding Poor
 5 4 3 2 1
 5
- Would you schedule this lesson again? Yes No
 Yes
- Did this lesson meet your curriculum needs? Yes No
 Yes
- What information do you feel was most helpful for your students? Additional Comments:
Students were interested and involved.

MEE Volunteer

MEE Name _____ Volunteer Hours _____
 MEE Name _____ Volunteer Hours _____

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Stormwater Pollution

4th Period

School Information

School Name: Daphne High School Date: 10/6/21
 Teachers Name: N.K. Mott / M. Hamilton, Sub Grade: 9

Student Demographics

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth	14	8					22	14	8
Adults									

Post Student Evaluation - Raise Your Hand

- How many of you will pick up trash along your road? # _____
- How many of you will volunteer for the next Coastal Clean Up? # _____

Teacher Evaluation

- How would you rate this presentation? Outstanding (5) 4 3 2 1 (Poor)
- Would you schedule this lesson again? Yes No
- Did this lesson meet your curriculum needs? Yes No

4. What information do you feel was most helpful for your students? Additional Comments:
The class was engaged and involved in the video, talk and storm water demonstration.

MEE Volunteer

MEE Name _____ Volunteer Hours _____
 MEE Name _____ Volunteer Hours _____

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Master Environmental Education

Stormwater Pollution

5th Period

School Information

School Name Daphne High School Date: 10/6/21
 Teachers Name N.K. Mott/ M. Hamilton, Sub Grade: 9

Student Demographics

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth	17	4		3			24	15	9
Adults									

Post Student Evaluation - Raise Your Hand

- How many of you will pick up trash along your road? # _____
- How many of you will volunteer for the next Coastal Clean Up? # _____

Teacher Evaluation

- How would you rate this presentation? Outstanding Poor
 5 4 3 2 1
- Would you schedule this lesson again? Yes No
- Did this lesson meet your curriculum needs? Yes No
- What information do you feel was most helpful for your students? Additional Comments:
The class was engaged and involved in the video, talk, and storm water demonstration.

MEE Volunteer

MEE Name _____ Volunteer Hours _____
 MEE Name _____ Volunteer Hours _____

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Stormwater Pollution

6th
Period

School Information

School Name Daphne High School Date: 10/6/21
 Teachers Name N.K. Mott / M. Hamilton, Sub Grade: 9

Student Demographics

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth	22	12		1	1		36 37	19	17
Adults									

Post Student Evaluation - Raise Your Hand

- How many of you will pick up trash along your road? # _____
- How many of you will volunteer for the next Coastal Clean Up? # _____

Teacher Evaluation

- How would you rate this presentation? Outstanding Poor
 5 4 3 2 1
- Would you schedule this lesson again? Yes No
- Did this lesson meet your curriculum needs? Yes No
- What information do you feel was most helpful for your students? Additional Comments:

Large group. Two classes,
 Dr Tipton and Norma Mott/Mary Hamilton, Sub
~~Class~~ Class groups were pretty good and well-behaved.
 They were involved in the presentation. Presenters
 used many interesting gathering techniques to involve students

MEE Volunteer

MEE Name _____ Volunteer Hours _____
 MEE Name _____ Volunteer Hours _____

Stormwater Pollution

School Information

School Name Daphne High School Date: 10/6/21

Teachers Name NK Mott / M. Hamilton, Sub Grade: 9

7th Period

Student Demographics

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth	23	8					31	21	10
Adults	2								

Post Student Evaluation - Raise Your Hand

- How many of you will pick up trash along your road? # _____
- How many of you will volunteer for the next Coastal Clean Up? # _____

Teacher Evaluation

- How would you rate this presentation? Outstanding Poor
5 4 3 2 1
- Would you schedule this lesson again? Yes No
- Did this lesson meet your curriculum needs? Yes No

4. What information do you feel was most helpful for your students? Additional Comments:

Speakers used a number of methods to hold interest of students and keep them engaged and participating.

MEE Volunteer

MEE Name _____ Volunteer Hours _____
MEE Name _____ Volunteer Hours _____

Water Cycle

School Information

School Name Stapleton School Date: 2-17-22

Teachers Name Tammy Grace Grade: 2

Student Demographics

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth	24				1		25		
Adults									

Post Student Evaluation - Raise Your Hand

- 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
- How many of you can name the four stages of the water cycle? # 25

Teacher Evaluation

- How would you rate this presentation?

Outstanding					Poor
5	4	3	2	1	
- Would you schedule this lesson again? Yes No
- Did this lesson meet your curriculum needs? Yes No
- What information do you feel was most helpful for your students? Additional Comments:

Loved that they learned about the amount of freshwater on earth and ways they can conserve it. Also, my students loved the water cycle demonstration.

MEE Volunteer

MEE Name Ashley Campbell Volunteer Hours 2

MEE Name _____ Volunteer Hours _____



Master Environmental Education

Backyard Wildlife Habitat

School Information

School Name Stapleton School Date: 2-17-22

Teachers Name Tammy Grace Grade: 2

Student Demographics

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth	24				1		25		
Adults									

Post Student Evaluation - Raise Your Hand

- How many of you will go home a make a bird feeder? # 25
- Can you name one new bird because of this lesson? # 3
- Will you ask your parents to consider leaving water outside for backyard wildlife? # 25

Teacher Evaluation

- How would you rate this presentation? Outstanding Poor
5 4 3 2 1
- Would you schedule this lesson again? Yes No
- Did this lesson meet your curriculum needs? Yes No
- What information do you feel was most helpful for your students? Additional Comments:

They learned that our native species are very interesting, have specific needs, and that they can provide for many of them

MEE Volunteer

MEE Name Ashley Campbell Volunteer Hours 2
MEE Name _____ Volunteer Hours _____



Baldwin County Extension Office
 302-A Byrne Street
 Bay Minette, AL 36507
 (251) 937-7176
 928-3002/943-5061 ext. 2222

MASTER ENVIRONMENTAL EDUCATOR
 PRESENTATION REPORT FORM

To be filled out by School Teacher:

Presentation Title: Groundwater Pollution Date: 5/14/21
 School Name: Daphne High School Grade: _____
 Teacher's Name: Anderson

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth	48	12		1	1		60	37	23
Adults	4	1	1	1	1				

Teacher Evaluation:

- | | | |
|---|--------------------|-------------|
| | Outstanding | Poor |
| 1. How would you rate this presentation? | 5 4 3 2 | 1 |
| 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? Any comments? | | |

Students Raise Your Hand

- Can you name a common household product that is hazardous to the groundwater? # _____
- Will you encourage your parents to read product label directions for application of fertilizers and pesticides? # _____



Baldwin County Extension Office
 302-A Byrne Street
 Bay Minette, AL 36507
 (251) 937-7176
 928-3002/943-5061 ext. 2222

MASTER ENVIRONMENTAL EDUCATOR
 PRESENTATION REPORT FORM

To be filled out by School Teacher:

Presentation Title: Groundwater Pollution

Date: 5/7/21

School Name: Daphne High

Grade: 11th-12th

Teacher's Name: Priscilla Dabney

Group	White	Black	Native Am	Hispanic	Asian	Other	TOTALS	Male	Female
Youth	14	8	0	0	1	0	24	13	9
Adults									

Teacher Evaluation:

- | | | |
|---|--------------------|-------------|
| | Outstanding | Poor |
| 1. How would you rate this presentation? | 5 4 3 2 | 1 |
| 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? Any comments? | | |

Demos used and student
 engagement

Students Raise Your Hand

- Can you name a common household product that is hazardous to the groundwater? # _____
- Will you encourage your parents to read product label directions for application of fertilizers and pesticides? # _____



COUNTY COMMISSION
BALDWIN COUNTY

312 Courthouse Square, Suite 12
Bay Minette, Alabama 36507
(251) 937-0264 Main
(251) 580-2500 Fax

www.baldwincountyal.gov

Anu Gary
Administrative Services Manager
agary@baldwincountyal.gov
(251) 580-2564

Monica English
Assistant Administrative Services Manager
mtaylor@baldwincountyal.gov
(251) 580-1696

November 6, 2020

Ms. Katherine Shepard
County Extension Coordinator
Alabama Extension Service
302A Byrne Street
Bay Minette, Alabama 36507

RE: Appropriation Agreements Aligned to the Baldwin County Fiscal Year 2020-2021 Budget

Dear Ms. Shepard:

Please find enclosed two **fully executed original** *Agreements* for dissemination approved during the September 22, 2020, Baldwin County Commission meeting, with the below indicated entity to appropriate county public funds for activities benefiting a myriad of public purposes as set forth within the *Agreement*:

Alabama Extension Service/Alabama Cooperative Extension System
(\$53,854; \$852 non-conveyable)

The term of the *Agreement* shall commence October 1, 2020, and expire September 30, 2021, and may be terminated per the parameters as set forth therein.

If you have not received a check within forty-five (45) days of receipt of this correspondence, please contact Eva Cutsinger, Senior Accountant, at (251) 580-2521.

If you have any questions or need further assistance, please do not hesitate to contact Christie Davis, Senior Budget Accountant, at (251) 972-8552.

Sincerely,

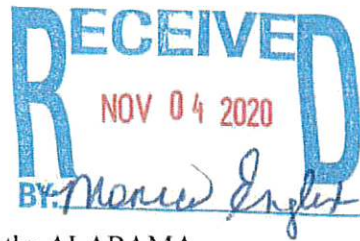
MONICA ENGLISH
Assistant Administrative Services Manager
Baldwin County Commission

ME/vk Item BE13

cc: Christie Davis
Ron Cink
Cian Harrison
Eva Cutsinger

ENCLOSURE(S)

STATE OF ALABAMA)
COUNTY OF BALDWIN)



AGREEMENT

THIS AGREEMENT (“Agreement”) is entered into between the ALABAMA EXTENSION SERVICE / ALABAMA COOPERATIVE EXTENSION SYSTEM (hereinafter referred to as “ACES”), and the BALDWIN COUNTY COMMISSION, the governing body of Baldwin County, Alabama (hereinafter referred to as “COMMISSION”), and is effective the date last executed below.

WHEREAS, the ALABAMA EXTENSION SERVICE / ALABAMA COOPERATIVE EXTENSION SYSTEM (hereinafter referred to as “ACES”) is organized in accordance with, and exercising those powers conferred by, Section 2-30-1, *et seq.*, of the Code of Alabama (1975); and

WHEREAS, the COMMISSION remains the honorable county governing body of Baldwin County, Alabama; and

WHEREAS, the COMMISSION recognizes that ACES serves as the primary outreach organization for the land-grant mission of Alabama A&M University and Auburn University, which delivers research-based educational programs that enable people to improve their quality of life and economic well-being, said research-based educational programs including, but not limited to, agriculture, forestry and natural resources, urban and nontraditional programs, family and individual well-being, community and economic development and 4-H and youth development; and

WHEREAS, to accomplish the aforementioned and in Baldwin County, Alabama, ACES maintains an office (hereinafter referred to as “ACES BALDWIN COUNTY OFFICE”), providing its research-based educational programs, in Baldwin County, Alabama, whereby ACES BALDWIN COUNTY OFFICE assists the general public of Baldwin County, Alabama, toward the fulfillment of ACES research-based educational programs which benefit the quality of life and economic well-being of the general public, including advocating educational programs important to the continued sustenance of the agricultural community of Baldwin County, Alabama; and

WHEREAS, in recognition of the aforementioned, the COMMISSION, by and through its Baldwin County Fiscal Year 2020-2021 Budget, approved a one-time total funding appropriation of Fifty-three Thousand Eight Hundred Fifty-four dollars and 00/100 (\$53,854.00) to exclusively aid the ACES BALDWIN COUNTY OFFICE continue its research-based educational programs benefiting the quality of life and economic well-being of the general public of Baldwin County, Alabama, including advocating educational programs important to the continued sustenance of the agricultural community of Baldwin County, Alabama, and, furthermore, the COMMISSION set aside Eight Hundred Fifty-two Dollars and 00/100 (\$852.00) to pay for internal costs related to the use of the county telephone system by the ACES BALDWIN COUNTY OFFICE in its continuance of the public purposes, in Baldwin County, Alabama, as enumerated at Section 2-30-1, *et seq.*, of the Code of Alabama (1975); and

WHEREAS, further, the COMMISSION makes such one-time total funding appropriation to ACES respecting that the Supreme Court of the State of Alabama has ruled that Section 94 of the Constitution of Alabama 1901, as amended, is not violated when a public entity donates money or other thing of value in aid of a private individual or corporation if a public purpose is served. *Slawson v. Alabama Forestry Commission*, 631 So. 2d 953 (Ala. 1994).

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto AGREE as follows:

1. The above recitals and statements are incorporated as part of this Agreement and shall have the effect and enforceability as all other provisions herein.
2. ACES shall continue to deliver research-based educational programs to, and which enable, the people of the State of Alabama to improve their quality of life and economic well-being, said research-based educational programs including, but not limited to, agriculture, forestry and natural resources, urban and nontraditional programs, family and individual well-being, community and economic development and 4-H and youth development.
3. ACES shall continue their provision of the ACES BALDWIN COUNTY OFFICE to provide its research-based educational programs, in Baldwin County, Alabama, to assist the general public of Baldwin County, Alabama, toward the fulfillment of ACES's research-based educational programs which benefit the quality of life and economic well-being of the general public, including advocating educational programs important to the continued sustenance of the agricultural community of Baldwin County, Alabama.
4. All ACES and ACES BALDWIN COUNTY OFFICE facilities, services and activities shall be made available to the general public.
5. ACES and ACES BALDWIN COUNTY OFFICE shall have a nondiscriminatory policy, and its facilities, services and activities shall be available to the general public regardless of race, age, sex, disability or religion.
 - a. The COMMISSION will convey to ACES a one-time total funding appropriation of Fifty-three Thousand Eight Hundred Fifty-four Dollars and 00/100 (\$53,854.00) as financial assistance to be used exclusively by the ACES BALDWIN COUNTY OFFICE to aid the ACES BALDWIN COUNTY OFFICE continue its research-based educational programs benefiting the quality of life and economic well-being of the general public of Baldwin County, Alabama, including advocating educational programs important to the continued sustenance of the agricultural community of Baldwin County, Alabama; and
 - b. The COMMISSION will set aside Eight Hundred Fifty-two Dollars and 00/100 (\$852.00) to pay for internal costs related to the use of the county telephone system by the ACES BALDWIN COUNTY OFFICE in their continuance of the public purposes as enumerated at Section 2-30-1, *et seq.*, of the Code of Alabama (1975), said Eight Hundred and Fifty-two Dollars and 00/100 (\$852.00) remaining separate and apart from the one-time total funding appropriation provided at Section 6. [a] of this Agreement and non-conveyable to ACES or the ACES BALDWIN COUNTY OFFICE.
6. ACES and the ACES BALDWIN COUNTY OFFICE, both, expressly agree not to use the one-time total funding appropriation set forth at Section 6 of this Agreement outside the purposes provided at Section 6 of this Agreement and, furthermore, agrees not to use the one-time total funding appropriation set forth at Section 6 of this Agreement to aid any private or individual benefit or utilize the county telephone system for non-public purposes. It being expressly understood that the one-time total funding appropriation set forth at Section 6 of this Agreement, as

provided by the COMMISSION, be conveyed by ACES to the ACES BALDWIN COUNTY OFFICE and utilized, by said ACES BALDWIN COUNTY OFFICE, in a manner consistent with this Agreement.

8. This Agreement and the relationship created hereby does not in any manner create, imply or otherwise vest, any authority in ACES and / or the ACES BALDWIN COUNTY OFFICE on behalf of the COMMISSION. Furthermore, this Agreement hereby expressly forbids the creation of an agency or any action that would create or imply that ACES and / or the ACES BALDWIN COUNTY OFFICE is / are (an) agent(s) of the COMMISSION.
9. To the fullest extent allowed by law, ACES and the ACES BALDWIN COUNTY OFFICE shall fully indemnify and hold the COMMISSION, its County Commissioners, departments, employees, supervisors, insurer, agents, representatives and attorneys (for purposes of this Section 9 referred to collectively as "COMMISSION") completely harmless from any and all claims, demands, notices, violations, findings, actions or orders of whatsoever kind or character which may arise from, or which are in any way related to, the work done and duties or obligations performed by ACES, ACES BALDWIN COUNTY OFFICE or the COMMISSION pursuant to this Agreement, including, without limitation, attorney fees and legal expenses and costs incurred as a result of the COMMISSION enforcing, defending or complying with this Agreement, or otherwise addressing or defending any actions or claims related in any way to this Agreement. The provisions of this Section 9 and the rights, duties and obligations set forth herein shall survive the expiration or termination of this Agreement.
10. ACES and the ACES BALDWIN COUNTY OFFICE shall ensure that all materials publicizing or resulting from the funding appropriation as provided for by this Agreement shall contain an acknowledgment of the COMMISSION's assistance with said acknowledgment of support made through the use of the following comparable footnote: "This activity was supported by the Baldwin County Commission."
11. Notwithstanding anything written herein to the contrary, all commitments made herein by the COMMISSION are subject to the availability of funds. If at anytime prior to the conveyance of the one-time funding appropriation the COMMISSION determines that the subject funds are not available, then the COMMISSION shall no longer be obligated or required to provide such one-time funding appropriation.
12. ACES and the ACES BALDWIN COUNTY OFFICE agrees, as a condition of receiving the funding appropriation referenced in this Agreement, to:
 - a. Supply to the COMMISSION, within 30 days from a written request to do so, all applicable data that is necessary for the COMMISSION to ensure the proper expenditure of the subject funding appropriation.
 - b. File with the COMMISSION no later than June 11, 2021, a written report of its activities for the preceding period which commenced on October 1, 2020, a copy of an annual report that includes the appropriation period, and a copy of the most recently audited financial statements (audited financial statements must be from within the last two years, i.e. year 2019 or 2020, and should include an independent auditor's report, statement of financial position, statement of activities, statement of cash flows, and notes to the financial statements) to ensure the proper expenditure of the subject funding appropriation.

13. This Agreement, provided in the form as one (1) original instrument for the records of ACES and one (1) original instrument for the records of the ACES BALDWIN COUNTY OFFICE and one (1) original instrument for the records of the COMMISSION, represents the entire terms and conditions of the Agreement between the COMMISSION and ACES and the ACES BALDWIN COUNTY OFFICE. It shall be necessary to account for only one (1) such instrument or counterpart in proving this Agreement.
14. This Agreement shall be in effect for a period of twelve (12) months, or in a shorter time as may be determined by the COMMISSION, commencing October 1, 2020, and expiring September 30, 2021, and may be amended, during the aforementioned period of twelve (12) months, only by written amendment executed by the COMMISSION and ACES and the ACES BALDWIN COUNTY OFFICE. The COMMISSION shall have the right to terminate this Agreement, with or without cause or reason, by giving thirty (30) days written notice to ACES and the ACES BALDWIN COUNTY OFFICE.
15. This Agreement shall be deemed to have been made in the State of Alabama, and the validity of the same, its construction, interpretation, enforcement and the rights of the parties hereunder, shall be determined under, governed by and construed in accordance with the substantive laws of the State of Alabama, without giving effect to any choice of law provisions arising thereunder. The proper venue for any action arising hereunder or relating to the subject matter of this Agreement shall lie solely in Baldwin County, Alabama.
16. Should the COMMISSION employ an attorney or attorneys to enforce any of the terms and conditions hereof, the COMMISSION shall be entitled to recover from the ACES all reasonable costs, damages, and expenses, including reasonable attorneys' fees, expended or incurred in connection therewith.
17. If any part or parts of this Agreement shall be held unenforceable for any reason, the remainder of this Agreement shall continue in full force and effect. If any provision of this Agreement is deemed invalid or unenforceable by any court of competent jurisdiction, and if limiting such provision would make the provision valid, then such provision shall be deemed to be construed as so limited.

IN WITNESS WHEREOF, the parties have affixed their hands and seals this date, as follows:

BALDWIN COUNTY COMMISSION

Joe Davis III

BILLIE JO UNDERWOOD *Joe Davis, III*

As Its: Chairman

Date: *November 5, 2020*

ATTEST:

Wayne Dyess

WAYNE DYESS
County Administrator



STATE OF ALABAMA)
COUNTY OF BALDWIN)

I, the undersigned authority, a Notary Public, in and for Baldwin County, Alabama, and the State of Alabama, hereby certify that ~~BILLIE JO UNDERWOOD~~, as Chairman of the Baldwin County Commission, and WAYNE DYESS, as County Administrator of the Baldwin County Commission, whose names are signed to the foregoing instrument and who are known to me, acknowledged before me and on this day that, being informed of the contents of said instrument, they, as such Chairman and County Administrator of the Baldwin County Commission, and with full authority, executed the same voluntarily on the day the same bears date for and as an act of said Baldwin County Commission.

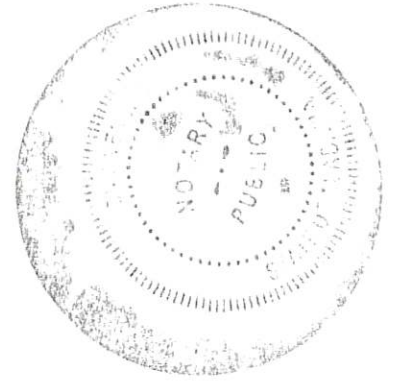
Given under my hand and seal this the *5th* day of *November*, 2020.

Monica English

NOTARY PUBLIC

My Commission expires: _____

My Commission Expires:
May 5, 2024



ALABAMA EXTENSION SERVICE / ALABAMA
COOPERATIVE EXTENSION SYSTEM

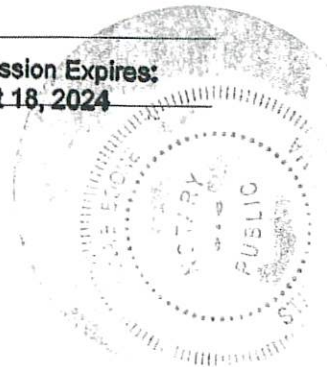
Gary Lemme
DR. GARY LEMME
As Its: Director
Date: Oct. 13, 2020

STATE OF ALABAMA)
COUNTY OF Lee)

I, the undersigned authority, a Notary Public, in and for Lee County, Alabama, and the State of Alabama, hereby certify that DR. GARY LEMME, as Director of the Alabama Extension Service / Alabama Cooperative Extension System, whose name is signed to the foregoing instrument and who is known to me, acknowledged before me and on this day that, being informed of the contents of said instrument, he, as such Director of the Alabama Extension Service / Alabama Cooperative Extension System, and with full authority, executed the same voluntarily on the day the same bears date for and as an act of said Alabama Extension Service / Alabama Cooperative Extension System.

GIVEN under my hand and seal this the 13 day of October, 2020.


Dana B. Borne
NOTARY PUBLIC
My Commission expires: August 18, 2024





Appendix A-6

2.3.5 & 2.3.6 Public Involvement Participation Litter Abatement Programs/Recycling



**34TH ANNUAL
ALABAMA
COASTAL
CLEANUP**

Get the Trash Out of the Splash

Saturday, September 18, 2021 | 8:00 a.m.-12:00 p.m.

Zone Captain _____

Contact Phone Number _____ Email Address _____

visit www.alabamacoastalcleanup.com or call 251-621-1216



The "Don't Drop It On Alabama" Spring Cleanup is held during the month of April. All supportive cleanup materials are provided at no cost to participants and include large trash bags, recycle bags, and participation forms. Participation is encouraged by individuals and groups.

Locations:

Supplies can be picked up beginning March 24, 2021
Trash may be taken to the landfills April 1 – 30, M-F 7am-3pm, Sat 7am-Noon

Magnolia Landfill

15140 County Road 49
Summerdale, AL 36580

MacBride Landfill

14200 County Road 64
Loxley, AL 36551

Bay Minette Transfer Station

43205 Nicholville Road
Bay Minette, AL 36507

Eastfork Landfill

17917 CC Road
Elberta, AL 36530

Baldwin County Central Annex (Material Pickup Only)

Rear parking lot drive-through
22251 Palmer Street
Robertsdale, AL 36567

*(*Trash cannot be returned to Central Annex!)*

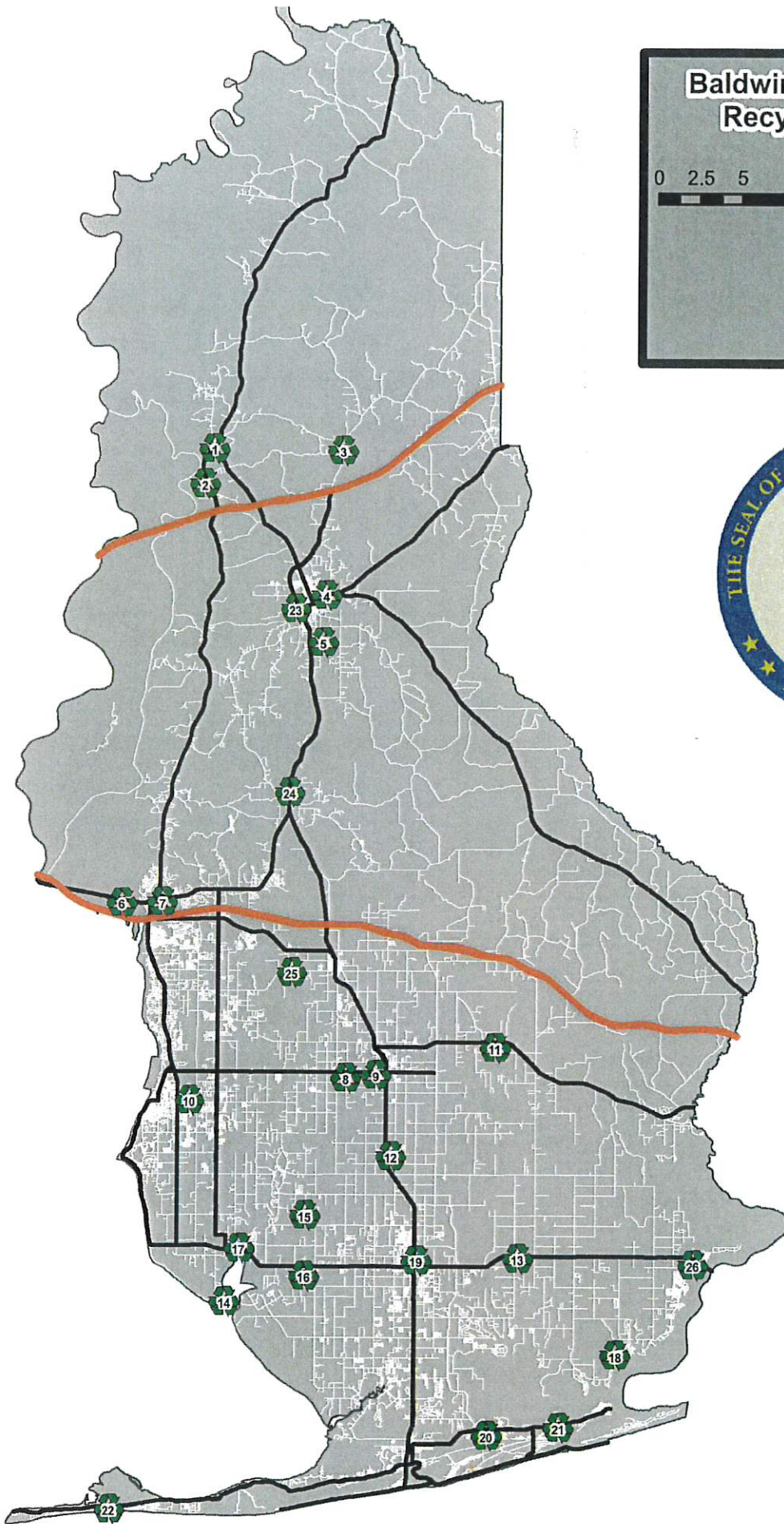
Trash can only be collected in the bags provided.

Trash will be weighed and reported to Alabama PALS to track the event's success. Forms specifying the general location where trash was collected should be turned in with the trash to the landfill locations listed above.

For more information, contact Amy Galemore at Baldwin County Solid Waste
agalemore@baldwincountyal.gov – 251-972-6878

Baldwin County, Alabama Recycling Locations

0 2.5 5 10 15 20 Miles



Site	Location
1	Stockton Post Office
2	Bicentennial Park
3	Perdido VFD
4	Commission Administration
5	Bay Minette Transfer Station
6	5 Rivers Delta Center
7	Spanish Fort Kids Park
8	Little Hall
9	Robertsdale Central Annex
10	Fairhope Courthouse
11	Elsanor Community Center
12	Summerdale 1st & Jefferson ST
13	Elberta VFD
14	Camp Beckwith
15	Magnolia Landfill
16	Magnolia Springs VFD
17	Weeks Bay Reserve
18	Perdido Beach VFD
19	Foley Courthouse
20	Orange Beach Public Works
21	Orange Beach Community Center
22	Fort Morgan Fire Rescue #2
23	Bay Minette Public Works
24	Stapleton VFD
25	MacBride Landfill
26	Lillian VFD

Report: **Scale Transactions By Material**

Revised for CY Rate Change 04/01/19

Dates: For the period: 4/1/2021 to 3/31/2022

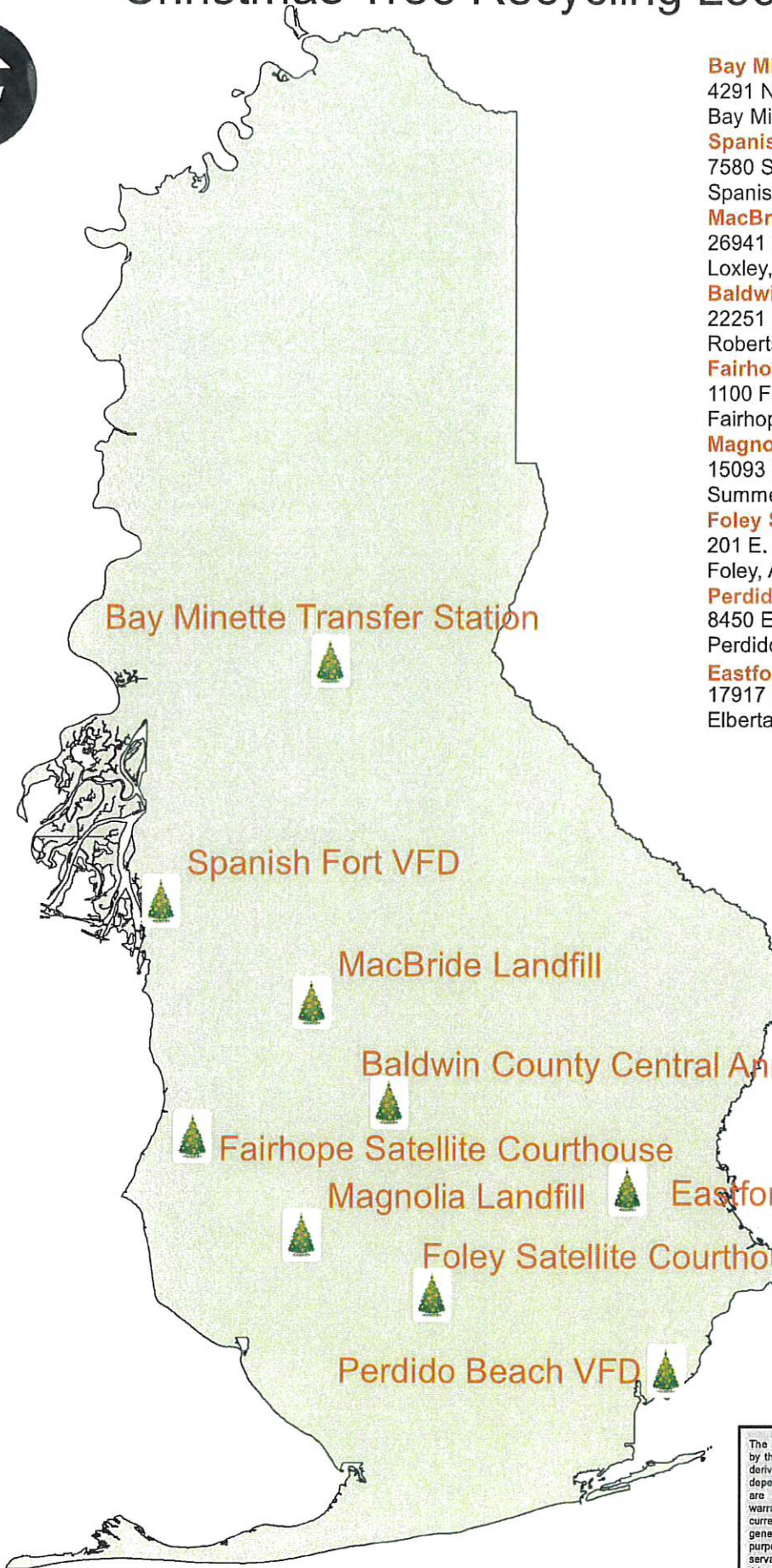
Billing Group: COM-TEMP,COM-COUNTY,COM,CASH

Facility:: RECYCLE,MAGNOLIA LANDFILL,MACBRIDE LANDFILL,EASTFORK LANDFILL,BAY MINETTE TRANSFER STATION

Commodity		Nbr of Tickets	Tons	Total Materials	Total
C2	C&D	78,851	168,824.02	\$2,885,087.19	\$3,054,758.41
C2-TRS	C&D - TRS	2,354	5,653.48	\$180,998.56	\$186,654.68
C3	YARD WASTE/BRUSH	8,562	13,274.46	\$229,030.07	\$242,503.12
C3-BCSW	YARD WASTE/BRUSH - BCSW	112	41.07	\$0.00	\$0.00
C3-TRS	YARD WASTE/BRUSH - TRS	186	195.90	\$6,278.64	\$6,474.83
c4	LITTER/RUBBISH	22,769	15,393.88	\$280,537.33	\$297,010.54
C4-BCSW	LITTER/RUBBISH - BCSW	2,523	6,815.43	\$0.00	\$0.00
C4-TRS	LITTER/RUBBISH - TRS	68	47.53	\$1,533.60	\$1,581.51
c5	SPECIAL HANDLING	104	250.53	\$6,019.44	\$6,270.25
c9	NO CHARGE	133	114.65	\$0.00	\$0.00
CT	CHRISTMAS TREES	10	0.27	\$0.00	\$0.00
CT-BCSW	CHRISTMAS TREES - BCSW	6	1.61	\$0.00	\$0.00
CTON	C&D - TONNAGE ONLY - SALLY	45	10,320.70	\$0.00	\$0.00
cy	C&D YARDS	7,170	78,115.24	\$871,686.00	\$871,686.00
CY-TRS	C&D YARDS	126	900.30	\$18,255.00	\$18,255.00
CYS-C&D	CY- C&D S/D SALLY	69	1.89	\$17,005.50	\$17,005.50
CYS-VEG	CY-VEGETATIVE S/D SALLY	444	18.75	\$168,767.36	\$168,767.36
H1	H/H HAZARDOUS WASTE	791	4.20	\$16,818.00	\$16,818.00
h2	COMM PAINT	8	0.16	\$4,905.00	\$4,905.00
H5-SALLY	H/H WASTE HURR SALLY	2	0.72	\$28.80	\$28.80
L-PALS	PALS (ALA) - NO CHARGE	1	0.23	\$0.00	\$0.00
L0	OUTBOUND TO MLF	14	-66.92	\$0.00	\$0.00
L0E	OUTBOUND TO MLF - FR EFL (Elec, TreatLu	27	-77.10	\$0.00	\$0.00
L1	RESIDENTIAL	13,210	96,280.00	\$2,820,277.73	\$2,916,451.34
L1-ELBERTA	RESIDENTIAL	73	609.50	\$17,675.50	\$18,285.00
L1-TRS	RESIDENTIAL TRS	477	4,399.32	\$127,580.28	\$131,979.60
l10	ASBESTOS	10	49.56	\$1,932.84	\$1,982.40
L11	COMM E-WASTE	1	0.03	\$680.00	\$680.00
l1p	RESIDENTIAL GARBAGE PERMITTED	127	5.49	\$454.66	\$469.90
L2	COMMERCIAL	10,886	85,784.17	\$2,745,042.01	\$2,830,824.56
L2-TRS	COMMERCIAL TRS	1,468	10,011.66	\$470,553.04	\$480,564.80
L3	TREATED LUMBER	163	208.55	\$3,556.93	\$3,766.14
L4	INERT/GARBAGE MIX	179	397.00	\$15,485.93	\$15,883.01
L4-TRS	INERT/GARBAGE MIX TRS	30	80.33	\$4,337.82	\$4,418.15
l5	SPECIAL HANDLING	649	8,236.86	\$321,239.88	\$329,476.80
L5-TRS	SPECIAL HANDLING TRS	44	146.16	\$7,892.64	\$8,038.80
l6	CARRION	135	30.91	\$1,316.64	\$1,350.40
L6-TRS	CARRION TRS	70	32.24	\$1,743.12	\$1,775.40
L9	INBOUND FROM MCB	14	69.26	\$0.00	\$0.00
l9e	INBOUND FROM EFL	27	80.42	\$0.00	\$0.00
O1	COMPOST	1,197	1,507.41	\$37,752.50	\$37,752.50
O3	SCRAP METAL - WHITE GOODS	100	1,140.24	\$205,160.40	\$205,160.40
O6	CARTS	1	5.07	\$0.00	\$0.00
O9	USED OIL	7	9.38	\$0.00	\$0.00
OCC	CARDBOARD	6	128.89	\$6,167.40	\$6,167.40
OE-12	ALUMINUM - CAST/CANS	1	4.05	\$5,670.00	\$5,670.00
PULL CHARGE	PULL CHARGE	15	0.01	\$1,125.00	\$1,125.00
R1	TIRES < 20IN	797	2.95	\$14,823.00	\$14,823.00
R1-BCSW	TIRES < 20IN BCSW	10	0.29	\$0.00	\$0.00
r2	TIRES > 20IN	74	0.23	\$4,420.00	\$4,420.00
r3	SHRED/CUT TIRES	12	6.39	\$109.56	\$116.00

Commodity		Nbr of Tickets	Tons	Total Materials	Total
R3-TRS	SHRED/CUT TIRES TRS	19	9.43	\$301.76	\$311.19
R4	WHITE GOODS	211	30.69	\$863.24	\$913.60
R4-BCSW	WHITE GOODS BCSW	1	0.17	\$0.00	\$0.00
R5	METALS	364	95.20	\$2,066.33	\$2,187.30
r6	CHIPS/MULCH INCOMING	2	3.63	\$0.00	\$0.00
r8	BRUSH/YARD WASTE	6,084	7,896.40	\$136,737.48	\$144,778.55
R8-BCSW	BRUSH/YARD WASTE BCSW	53	31.83	\$0.00	\$0.00
s1	SEPTAGE	899	6,302.01	\$126,041.80	\$126,041.80
SS - SINGLE STR	SINGLE STREAM RECYCLING	1,991	747.61	\$0.00	\$0.00
	Grand Totals	<u>162,388</u>	<u>524,174.33</u>	<u>#####</u>	<u>\$12,214,873.73</u>

Christmas Tree Recycling Locations



Bay Minette Transfer Station

4291 Nicholville Rd.
Bay Minette, AL 36507

Spanish Fort Volunteer Fire Department

7580 Spanish Fort Blvd.
Spanish Fort, AL 36527

MacBride Landfill

26941 McBride Road
Loxley, AL 36551

Baldwin County Central Annex

22251 Palmer St.
Robertsdale, AL 36567

Fairhope Satellite Courthouse

1100 Fairhope Ave.
Fairhope, AL 36532

Magnolia Landfill

15093 Landfill Drive
Summerdale, AL 36580

Foley Satellite Courthouse

201 E. Section Ave.
Foley, AL 36535

Perdido Beach VFD

8450 Escambia Ave.
Perdido Beach, AL 36530

Eastfork Landfill

17917 CC Road
Elberta, AL 36530



The information contained in this representation of digital data distributed by the Baldwin County Commission's Planning and Zoning Department is derived from a variety of public and private sources and is considered to be dependable. However, the accuracy, completeness, and currency thereof are not guaranteed. The Baldwin County Commission makes no warranties, expressed or implied, as to the accuracy, completeness, currency, reliability, or suitability of information or data contained in or generated from the County Geographic Database for any particular purpose. Additionally, the Baldwin County Commission or any agent, servant, or employee thereof assume no liability associated with the use of this data, and assume no responsibility to maintain it in any matter or form. For more information concerning this map call 251.580.1655.

Litter

CREEK CLEAN ASSIGNMENTS

WEEK	Day	Assignment	Miles	Weight
WEEK 5	Wednesday	7-Apr (7 Men)START:C.R.64-(Loxley C.L./49 to 13 / Daphne C.L.). NEXT-C.R.55S-(59 to 52).	9.4	1,620
	Thursday	8-Apr (0 men)*RAIN OUT TODAY / MAKE UP FRIDAY.	0	0
	TOTAL		32.9	4460
WEEK 2	Monday	12-Apr (7 Men)START: C.R.32W-(59 to 9 / 181 / scenic 98).	13	1,480
	TOTAL		29.8	4020
	Wednesday	28-Apr (7 men)FINISH:C.R.40-(39 to 225); ST.-C.R.39-(31/Stapleton C.L. to 138), ST.-D'Olive Rd.	10.8	0
WEEK 3	TOTAL		34.7	2340
	Friday	10-Sep (6 men)FINISH:C.R.54-(55 to 59), ST.-C.R.48-(9 to 181), ST.-C.R.33-(32 to 48).	9.90	2,280
	TOTAL		37.2	2280
WEEK 2	Tuesday	9-Nov (7 men)START:C.R.64-(49/Loxley C.L. to 54).	6.5	0
	Wednesday	10-Nov (7 men)FINISH:C.R.64-(54 to 13), ST.-C.R.13-(64/Daphne C.L. to 104), ST.-C.R.112E./31.	7	1,100
	Thursday	11-Nov (6 men)START:C.R.32W,-(9/Bridge to Scenic Hwy 98).	6.9	0
TOTAL		33.4	1100	
WEEK 3	Tuesday	18-Jan (7 men)START:C.R.32W,-(Scenic 98 to 9) then (9 to 59).	12.5	1,380
	TOTAL		40.2	4060
	Thursday	27-Jan (5 Men)*START: (YEAR-2 / CYCLE-1). ST.-C.R.64W-(49/Loxley C.L. to 13/Daphne C.L.).	5	0
TOTAL		37.3	2460	
WEEK 5	Monday	31-Jan (7 Men)FINISH:C.R.64W,-(54 to 13), START:C.R.55S-(Loxley C.L. to 32).	11.3	980
	TOTAL		40.6	2860
	Wednesday	23-Mar (6 men)START:C.R.32-(59 to Scenic Hwy 98). *NEXT-C.R.13-(104 to Daphne C.L.).	13	240
TOTAL		48.5	2560	
WEEK 4	Monday	28-Mar (7 men)START:C.R.13-(104 to Daphne C.L.), ST.-C.R.49-(28 to 24), ST.-C.R.64-(49/13).	10.6	1000
	Tuesday	29-Mar (5 men)FINISH:C.R.64-(54 to 181), then ST.-C.R.55-(Loxley C.L. to 32).	9.8	720
	TOTAL		40.4	2360
TOTALS			375.0	28,500



Appendix A-7

Public Involvement Participation 2.3.7 Baldwin County Call Service Center



Home / Citizen Service Center

Citizen Service Center



- Not sure which [office](#) or [department](#) you need to speak with?
- Can't find the answer to a [question](#)?
- Want to [send a comment, compliment or complaint](#)?

ONE OF OUR CUSTOMER SERVICE REPRESENTATIVES CAN HELP!

Phone(s): 251.937.9561 - North Baldwin County
251.943.5061 - South Baldwin County
251.928.3002 - Eastern Shore of Baldwin County

Email: citizenservicecenter@baldwincountyal.gov

The Baldwin County Commission is committed to providing customer-focused, easy to find information on our county's website. To find the answers you are looking for you can:

- Use the search feature in the left navigation to search our entire website.
- Use the "[How Do I](#)" at the top right of any page to search and find answers to frequently asked questions.
- If you are still unable to find the information you need, please contact our Citizen Service Center at one of the above phone numbers or email address.

Service Center Mission Statement:

Our Service Center works with all county offices and affiliated agencies to support the mission of the Baldwin County Commission, which is to provide customer-focused services to people who live, work and visit Baldwin County so they can enjoy a safe and thriving community and experience our unique heritage and natural resources.

Our Goals:

To serve as a "One Stop Shop" for Baldwin County government services and information.
To help our departments improve service delivery by allowing them to focus on their core missions.
To provide accurate, consistent measurements of service delivery countywide



Appendix A-8

Public Involvement Participation

2.3.8 Household Hazardous Waste Collection

Report: Scale Transactions By Material

Revised for CY Rate Change 04/01/19

Dates: For the period: 4/1/2021 to 3/31/2022

Billing Group: COM-TEMP,COM-COUNTY,COM,CASH

Facility: RECYCLE,MAGNOLIA LANDFILL,MACBRIDE LANDFILL,EASTFORK LANDFILL,BAY MINETTE TRANSFER STATION

Commodity		Nbr of Tickets	Tons	Total Materials	Total
C2	C&D	78,851	168,824.02	\$2,885,087.19	\$3,054,758.41
C2-TRS	C&D - TRS	2,354	5,653.48	\$180,998.56	\$186,654.68
C3	YARD WASTE/BRUSH	8,562	13,274.46	\$229,030.07	\$242,503.12
C3-BCSW	YARD WASTE/BRUSH - BCSW	112	41.07	\$0.00	\$0.00
C3-TRS	YARD WASTE/BRUSH - TRS	186	195.90	\$6,278.64	\$6,474.83
c4	LITTER/RUBBISH	22,769	15,393.88	\$280,537.33	\$297,010.54
C4-BCSW	LITTER/RUBBISH - BCSW	2,523	6,815.43	\$0.00	\$0.00
C4-TRS	LITTER/RUBBISH - TRS	68	47.53	\$1,533.60	\$1,581.51
c5	SPECIAL HANDLING	104	250.53	\$6,019.44	\$6,270.25
c9	NO CHARGE	133	114.65	\$0.00	\$0.00
CT	CHRISTMAS TREES	10	0.27	\$0.00	\$0.00
CT-BCSW	CHRISTMAS TREES - BCSW	6	1.61	\$0.00	\$0.00
CTON	C&D - TONNAGE ONLY - SALLY	45	10,320.70	\$0.00	\$0.00
cy	C&D YARDS	7,170	78,115.24	\$871,686.00	\$871,686.00
CY-TRS	C&D YARDS	126	900.30	\$18,255.00	\$18,255.00
CYS-C&D	CY- C&D S/D SALLY	69	1.89	\$17,005.50	\$17,005.50
CYS-VEG	CY-VEGETATIVE S/D SALLY	444	18.75	\$168,767.36	\$168,767.36
H1	H/H HAZARDOUS WASTE	791	4.20	\$16,818.00	\$16,818.00
h2	COMM PAINT	8	0.16	\$4,905.00	\$4,905.00
H5-SALLY	H/H WASTE HURR SALLY	2	0.72	\$28.80	\$28.80
L-PALS	PALS (ALA) - NO CHARGE	1	0.23	\$0.00	\$0.00
L0	OUTBOUND TO MLF	14	-66.92	\$0.00	\$0.00
L0E	OUTBOUND TO MLF - FR EFL (Elec, TreatLui	27	-77.10	\$0.00	\$0.00
L1	RESIDENTIAL	13,210	96,280.00	\$2,820,277.73	\$2,916,451.34
L1-ELBERTA	RESIDENTIAL	73	609.50	\$17,675.50	\$18,285.00
L1-TRS	RESIDENTIAL TRS	477	4,399.32	\$127,580.28	\$131,979.60
I10	ASBESTOS	10	49.56	\$1,932.84	\$1,982.40
L11	COMM E-WASTE	1	0.03	\$680.00	\$680.00
I1p	RESIDENTIAL GARBAGE PERMITTED	127	5.49	\$454.66	\$469.90
L2	COMMERCIAL	10,886	85,784.17	\$2,745,042.01	\$2,830,824.56
L2-TRS	COMMERCIAL TRS	1,468	10,011.66	\$470,553.04	\$480,564.80
L3	TREATED LUMBER	163	208.55	\$3,556.93	\$3,766.14
L4	INERT/GARBAGE MIX	179	397.00	\$15,485.93	\$15,883.01
L4-TRS	INERT/GARBAGE MIX TRS	30	80.33	\$4,337.82	\$4,418.15
I5	SPECIAL HANDLING	649	8,236.86	\$321,239.88	\$329,476.80
L5-TRS	SPECIAL HANDLING TRS	44	146.16	\$7,892.64	\$8,038.80
I6	CARRION	135	30.91	\$1,316.64	\$1,350.40
L6-TRS	CARRION TRS	70	32.24	\$1,743.12	\$1,775.40
L9	INBOUND FROM MCB	14	69.26	\$0.00	\$0.00
I9e	INBOUND FROM EFL	27	80.42	\$0.00	\$0.00
O1	COMPOST	1,197	1,507.41	\$37,752.50	\$37,752.50
O3	SCRAP METAL - WHITE GOODS	100	1,140.24	\$205,160.40	\$205,160.40
O6	CARTS	1	5.07	\$0.00	\$0.00
O9	USED OIL	7	9.38	\$0.00	\$0.00
OCC	CARDBOARD	6	128.89	\$6,167.40	\$6,167.40
OE-12	ALUMINUM - CAST/CANS	1	4.05	\$5,670.00	\$5,670.00
PULL CHARGE	PULL CHARGE	15	0.01	\$1,125.00	\$1,125.00
R1	TIRES < 20IN	797	2.95	\$14,823.00	\$14,823.00
R1-BCSW	TIRES < 20IN BCSW	10	0.29	\$0.00	\$0.00
r2	TIRES > 20IN	74	0.23	\$4,420.00	\$4,420.00
r3	SHRED/CUT TIRES	12	6.39	\$109.56	\$116.00

Commodity		Nbr of Tickets	Tons	Total Materials	Total
R3-TRS	SHRED/CUT TIRES TRS	19	9.43	\$301.76	\$311.19
R4	WHITE GOODS	211	30.69	\$863.24	\$913.60
R4-BCSW	WHITE GOODS BCSW	1	0.17	\$0.00	\$0.00
R5	METALS	364	95.20	\$2,066.33	\$2,187.30
r6	CHIPS/MULCH INCOMING	2	3.63	\$0.00	\$0.00
r8	BRUSH/YARD WASTE	6,084	7,896.40	\$136,737.48	\$144,778.55
R8-BCSW	BRUSH/YARD WASTE BCSW	53	31.83	\$0.00	\$0.00
s1	SEPTAGE	899	6,302.01	\$126,041.80	\$126,041.80
SS - SINGLE STR	SINGLE STREAM RECYCLING	1,991	747.61	\$0.00	\$0.00
	Grand Totals	<u>162,388</u>	<u>524,174.33</u>	<u>#####</u>	<u>\$12,214,873.73</u>



Appendix A-9

Public Involvement Participation

2.3.9 Baldwin County Commission Meetings

[Visit-http://openmeetings.baldwincountyal.gov](http://openmeetings.baldwincountyal.gov)



Appendix A-10

Public Involvement Participation

2.3.10 Baldwin County Planning and Zoning Commission Meetings

[Visit-http://openmeetings.baldwincountyal.gov](http://openmeetings.baldwincountyal.gov)

Please Note: The Application Deadline Submittal time is 12 :00 pm (noon)

BALDWIN COUNTY PLANNING & ZONING COMMISSION
2021
MEETING AND APPLICATION SCHEDULE

MEETING LOCATION: Baldwin County Central Annex
22251 Palmer St.
Robertsdale, Al. 36567

MEETING TIME: 4:00 p.m.

MEETING DATE	APPLICATION DEADLINE DATE 12:00 Noon	PRE-APP. MEETING DATE ZONING (REQUIRED)	PRE-APP. MEETING DATE SUBDIVISION (REQUIRED)
JANUARY 7, 2021	DECEMBER 8, 2020	NOVEMBER 12, 2020	NOVEMBER 13, 2020
FEBRUARY 4, 2021	JANUARY 5, 2021	DECEMBER 16, 2020	DECEMBER 17, 2020
MARCH 4, 2021	FEBRUARY 2, 2021	JANUARY 13, 2021	JANUARY 14, 2021
APRIL 1, 2021	MARCH 2, 2021	FEBRUARY 10, 2021	FEBRUARY 11, 2021
MAY 6, 2021	APRIL 6, 2021	MARCH 10, 2021	MARCH 11, 2021
JUNE 3, 2021	MAY 4, 2021	APRIL 14, 2021	APRIL 15, 2021
JULY 8, 2021	JUNE 8, 20 21	MAY 12, 2021	MAY 13, 2021
AUGUST 5, 2021	JULY 6, 2021	JUNE 9, 2021	JUNE 10, 2021
SEPTEMBER 2, 2021	AUGUST 3, 2021	JULY 14, 2021	JULY 15, 2021
OCTOBER 7, 2021	SEPTEMBER 7, 2021	AUGUST 11, 2021	AUGUST 12, 2021
NOVEMBER 4, 2021	OCTOBER 5, 2021	SEPTEMBER 8, 2021	SEPTEMBER 9, 2021
DECEMBER 2, 2021	NOVEMBER 2, 2021	OCTOBER 13, 2021	OCTOBER 14, 2021

APPROVED THE 5th DAY OF November 2020
SIGNATURE OF CHAIRMAN: 

2022 MEETING AND APPLICATION SCHEDULE

MEETING LOCATION:

Baldwin County Central Annex
22251 Palmer St.
Robertsdale, AL 36567

MEETING TIME:

4:00 p.m.



MEETING DATE	APPLICATION DEADLINE DATE 12:00 NOON	ZONING CASE PRE-APP. MEETING DATE (REQUIRED) Foley Office	SUBDIVISION SKETCH PLAN APPLICATION DEADLINE 12:00 NOON	SUBDIVISION VARIANCE APPLICATION DEADLINE 12:00 NOON
January 6, 2022	November 22, 2021	November 10, 2021	October 25, 2021	December 6, 2021
February 3, 2022	December 20, 2021	December 8, 2021	November 22, 2021	January 3, 2022
March 3, 2022	January 18, 2022**	January 12, 2022	December 20, 2021	January 31, 2022
April 7, 2022	February 22, 2022**	February 9, 2022	January 24, 2022	March 7, 2022
May 5, 2022	March 21, 2022	March 9, 2022	February 22, 2022**	April 4, 2022
June 2, 2022	April 18, 2022	April 13, 2022	March 24, 2022	May 2, 2022
July 7, 2022	May 23, 2022	May 11, 2022	April 25, 2022	June 6, 2022
August 4, 2022	June 21, 2022**	June 8, 2022	May 23, 2022	JULY 5, 2022**
September 1, 2022	July 18, 2022	July 13, 2022	June 21, 2022**	August 1, 2022
October 6, 2022	August 22, 2022	August 10, 2022	July 25, 2022	September 6, 2022**
November 3, 2022	September 19, 2022	September 7, 2022	August 22, 2022	October 3, 2022
December 1, 2022	October 17, 2022	October 12, 2022	September 19, 2022	October 31, 2022
January 5, 2023	November 21, 2022	November 9, 2022	October 24, 2022	December 5, 2022

**DATE MOVED FORWARD BECAUSE OF A HOLIDAY

Please Note: The Application Deadline Submittal time is 12:00 pm (noon)

APPROVED THE 7 DAY OF October, 2021

SIGNATURE OF CHAIRMAN *Steve Humphrey*



Appendix A-11

Public Involvement Participation 2.3.11 Baldwin County Board of Adjustment Meetings

[Visit-http://openmeetings.baldwincountyal.gov](http://openmeetings.baldwincountyal.gov)

**BALDWIN COUNTY PLANNING AND ZONING
BOARD OF ADJUSTMENT NUMBER 1**

**2022
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 4:30p.m. on the deadline date listed below. *There will be no exceptions.*

MEETING DATE		APPLICATION DEADLINE DATE
January 18, 2022		December 22, 2021
February 15, 2022		January 25, 2022
March 15, 2022		February 22, 2022
April 19, 2022		March 28, 2022
May 17, 2022		April 26, 2022
June 21, 2022		May 31, 2022
July 19, 2022		June 28, 2022
August 16, 2022		July 26, 2022
September 20, 2022		August 29, 2022
October 18, 2022		September 27, 2022
November 15, 2022		October 24, 2022
December 20, 2022		November 29, 2022

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 2022

**BALDWIN COUNTY PLANNING AND ZONING
BOARD OF ADJUSTMENT NUMBER 2**

**2022
MEETING DATES
&
APPLICATION DEADLINE DATES**

Meeting time: 3:30 p.m.
Meeting location: Foley Satellite Courthouse Large Meeting Hall

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 4:30 p.m. on the deadline date listed below. *There will be no exceptions.*

MEETING DATE	STAFF REPORTS DUE	APPLICATION DEADLINE DATE
January 13, 2022		December 22, 2021
February 10, 2022		January 20, 2022
March 10, 2022		February 16, 2022
April 14, 2022		March 22, 2022
May 12, 2022		April 21, 2022
June 9, 2022		May 18, 2022
July 14, 2022		June 22 2022
August 11, 2022		July 21, 2022
September 8, 2022		August 17, 2022
October 13, 2022		September 22, 2022
November 10, 2022		October 20, 2022
December 8, 2022		November 15 2022

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 - Baldwin County Board of Adjustment Number 2 (South end) Deadline and Meeting Calendar 2022



Appendix A-12

Public Involvement Participation 2.3.12 Baldwin County Master Plan Meetings

[Visit-http://openmeetings.baldwincountyal.gov](http://openmeetings.baldwincountyal.gov)



BALDWIN COUNTY COMMISSION

FOR IMMEDIATE RELEASE
January 10, 2022

CONTACT:
Wayne Dyess, County Administrator
(251) 580-2550
wayne.dyess@baldwincountyal.gov

PUBLIC NOTICE

BALDWIN COUNTY LONG-RANGE LAND USE PLAN MEETINGS

Baldwin County Elected Officials Meeting

The purpose of this event is for Baldwin County public officials to discuss long-range land use planning in the zoned areas of Baldwin County. This public notice is provided to the public in accordance with applicable state law as a majority of the Baldwin County Commissioners may attend and participate in the event.

Monday, January 24, 2022
9:00 AM – 10:30 AM
Baldwin County Central Annex, Auditorium
22251 Palmer Street, Robertsdale, Alabama 36567

Public Input Sessions

Citizen input is requested through attendance to the public input sessions as listed below:

Monday, January 24, 2022
5:30 PM - 7:00 PM
Baldwin County Central Annex Auditorium
22251 Palmer Street, Robertsdale

Tuesday, January 25, 2022
10:00 - 11:30 AM
Baldwin County Fairhope Satellite Courthouse
Commission Chambers (2nd Floor)
1100 Fairhope Avenue, Fairhope

Tuesday, January 25, 2022
5:30 PM - 7:00 PM
Foley Civic Center
407 E. Laurel Avenue, Foley

Feedback is also requested by taking the survey at www.baldwinourvision.com.

Public participation is solicited without regard to race, color, national origin, sex, age, religion, or disability. Persons who require special accommodations under the Americans with Disabilities Act or those requiring language translation services should contact Wayne Dyess, County Administrator, at (251) 580-2550 or wayne.dyess@baldwincountyal.gov.

Public notice of this meeting schedule is given in accordance with and as required by applicable Alabama Law, including, but not limited to, Section 11-3-8 of the Code of Alabama 1975 and Section 36-25A-1, et seq., of the Code of Alabama 1975.



MEDIA CONTACT:
Sherry-Lea Bloodworth Botop
Director of Public and Government Affairs
sherry-lea.botop@baldwincountyal.gov

FOR IMMEDIATE RELEASE

BALDWIN COUNTY, AL, February 14, 2022 – The Baldwin County Commission’s Planning and Zoning Department, along with consultants from Design Workshop, will kick off public input sessions for the countywide Long-Range Land Use Planning Process in March 2022.

The Long-Range Land Use Planning Process will be used to update the existing land use plan and is **only for zoned areas of the county**. Land use plans are required by law in Baldwin County. Becoming zoned in Baldwin County can only occur if the Commission is petitioned by citizens within a planning district and must be voted on and approved by a majority of the residents within the district in order for zoning to be implemented.

Public meetings will be held as follows:

Wednesday, March 16, 2022 from 10:00 to 11:00AM Foley Civic Center, 407 E Laurel Avenue, Foley

Wednesday, March 16, 2022 from 5:30 to 7:00PM, Baldwin County Central Annex Auditorium, 22251 Palmer Street, Robertsdale

Thursday, March 17, 2022 from 10:00 to 11:30AM, Bay Minette City Hall Council Chambers, 301 D’Olive Street, Bay Minette

Thursday, March 17, 2022 from 5:30 to 7:00PM, Baldwin County Fairhope Satellite Courthouse Commission Chambers, 1100 Fairhope Avenue, Fairhope

The public is also asked to provide feedback before February 28th by taking this survey:
<https://baldwincountyal.gov/GrowthSurvey>

This process will provide valuable public input as Baldwin County strategizes about ways to prepare for future growth within the county.

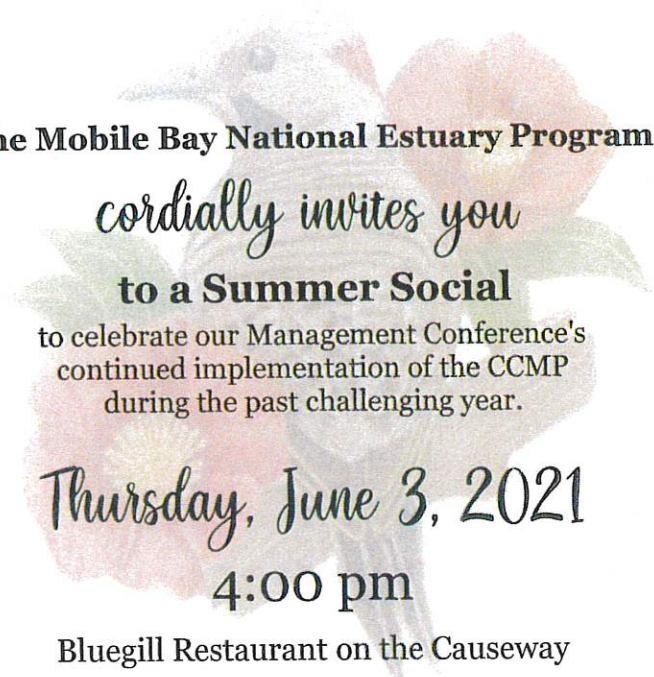
To stay updated on information regarding the Long-Range Land Use Planning Process visit www.baldwinourvision.com/.

###



Appendix A-13

Public Involvement Participation Local Partner Meetings



The Mobile Bay National Estuary Program

cordially invites you

to a Summer Social

to celebrate our Management Conference's
continued implementation of the CCMP
during the past challenging year.

Thursday, June 3, 2021

4:00 pm

Bluegill Restaurant on the Causeway

*We will be serenaded by renowned
musician and bird caller Ranger Keith Paluso.*

\$25 per ticket

Includes appetizers and two drinks

Hurry - tickets are limited for social distancing.

Ticket purchase details are enclosed.

**P.L.A.N. (Plan Lower Alabama Now) MEETING
TUESDAY – August 10, 2021
GRAHAM CREEK INTERPRETIVE CENTER
23030 Wolf Bay Drive Foley, AL 36535
251-923-4267
11:30 - 1:00**

CALL MEETING TO ORDER:

2021 SCHEDULE: (2nd Thursday of each month unless noted otherwise)

September 9, 2021

October 7, 2021 (Moved back a week due to a conflict at the Interpretive Center)

November 4, 2021 (Moved back a week due to Veteran's Day)

PRESENTATION:

Baldwin County - Update on SB107 / Act 2021-297 & Subdivision Regulation Amendments

Matthew Brown Bio:

Matthew is an Alabama licensed attorney and professional engineer, and currently serves as the Planning Director for the Baldwin County Commission. While with the County Commission, Matthew has also served as the Preconstruction Manager (over highway design and ROW acquisition), Director of Transportation (over County public transit), and MPO Coordinator (supporting transportation planning). Prior to his work with the County, Matthew practiced law and engineering with private sector firms. Matthew previously represented South Alabama as a member on the Alabama State Board of Education. Matthew and his wife, Sarah, live in Fairhope with their five children. During his free time Matthew enjoys spending time with his family, serving in the church, working outdoors, and reading.

ROUNDTABLE:

General Discussion

ADJOURN:



Eastern Shore Watershed Management Plan Steering Committee Kick-Off

Fairhope Civic Center Auditorium
9:00 – 11:00 am ~ April 13, 2021

- I. Welcome and Introductions – Roberta Swann
- II. Today's Objectives – Eliska Morgan
- III. Eastern Shore WMP Project Overview – Suzanne Sweetser
- IV. Steering Committee Discussion – Troy Ephriam/Randy Davis
- V. Next Steps (Video Release/Social Media) – Randy Davis





Mobile Bay National Estuary Program
Lower Fish and Magnolia Restoration Monitoring
January 19, 2022, 2:00 pm – 4:00 pm
Tonsmeire Resource Center



Agenda

Meeting Objectives:

- a) Provide an overview of planned Fish/Magnolia River restoration projects
- b) Plan baseline monitoring locations, protocols, frequency, etc..
- c) Consider previous efforts and lessons learned from D'Olive restoration monitoring to improve collaboration and outcomes for this cycle of restoration monitoring.

1. Welcome and Introductions

2. Presentations

- a) Review of Work to Date and What is Planned
Mr. Jason Kudulis, MBNEP

3. New Business

- a) Attendee discussion LFRW Restoration Monitoring – open forum
- b) Palmetto/Bridgecreek WMP Pathogen Survey – open forum

4. Adjourn

SAMPLING PROTOCOLS

We recommend that all of these monitoring efforts begin at least one year prior to implementation of restoration efforts to establish baselines. Monitoring should continue after restoration to track both short-term and long-term impacts. The minimum length of monitoring post restoration should be 3-5 years. We strongly recommend, if at all possible, transition of this monitoring into a sustained, long-term program for each subwatershed to continue tracking response to restoration and overall shifts in subwatershed health and function.

Sedimentation and Flow

Reducing sedimentation and flow are often at the core of restoration aims. If the primary goal of the restoration is to reduce sedimentation and flow, we recommend development of performance metrics specific to each restoration project for assessing success. We recommend the following monitoring metrics:

	Timing and Frequency	Location	Methodology
Erosion Rates	<ul style="list-style-type: none"> • Begin in Nov/Dec • After every rainfall event ≥ 1 inch • Post catastrophic events related to flow but not precipitation (e.g., dam failure) 	<ul style="list-style-type: none"> • Upstream of restoration • Downstream of restoration • At restoration 	<i>Staley et al., 2006</i>
Continuous Monitoring - Sondes	Every 15 minutes	<ul style="list-style-type: none"> • Mouth of all 2nd order streams or strategically important locations • Receiving sub-basin • Prior to and after in-stream retention water bodies (e.g. small lakes or large retention ponds) 	<ul style="list-style-type: none"> • Flow • Turbidity: <i>EPA, 2012</i>
Continuous Monitoring – Automatic Water Grabs	<ul style="list-style-type: none"> • Any rainfall event ≥ 0.1 inch preceded by 72 dry hours • Continue every 15 min there has been no precipitation for 72 hours <i>Citation: EPA, 1992</i>	<ul style="list-style-type: none"> • Mouth of all 2nd order streams or strategically important locations • Receiving sub-basin • Prior to and after in-stream retention water bodies (e.g. small lakes or larger retention ponds) 	<ul style="list-style-type: none"> • Total Suspended Solids • Suspended Sediment Annual Loading: <i>Cook & Moss, 2008</i>

<p>Continuous Monitoring – Automatic Water Grabs</p>	<ul style="list-style-type: none"> • Any rainfall event ≥ 1 inch • Continue every 15 min until it has been dry for 3 days: <i>EPA, 1992</i> 	<ul style="list-style-type: none"> • Reference Site • Upstream from restoration • Downstream from restoration <ul style="list-style-type: none"> ○ Combine with sediment and flow continuous monitoring • Receiving sub-basin • In-stream retention water bodies 	<ul style="list-style-type: none"> • Nutrients <ul style="list-style-type: none"> ○ NO3 ○ NH4 ○ DON ○ PN ○ PO4 ○ DOP ○ POP ○ <i>Lehrter et al., 2013</i> • Total Suspended Solids • Dissolved Organic Carbon • Particulate Organic Carbon <i>Welschmeyer, 1994</i>
<p>Manual Sampling – Monthly Water Grabs</p>	<p>Sample based on turnover in the receiving sub-basin</p>	<p>Receiving sub-basin</p> <ul style="list-style-type: none"> • Determine sampling locations within the sub-basin based on size and dynamics of the system 	<ul style="list-style-type: none"> • Nutrients <ul style="list-style-type: none"> ○ NO3 ○ NH4 ○ DON ○ PN ○ PO4 ○ DOP ○ POP • Chlorophyll-a • Dissolved Organic Carbon • Particulate Organic Carbon <i>Welschmeyer, 1994</i>
<p>Other</p>	<ul style="list-style-type: none"> • Consider additional 303d issues based on initial screening sampling with subsequent periodic reevaluations for both continuous and manual sampling • Any additional issues specific to a subwatershed should be addressed with a detailed monitoring protocol <ul style="list-style-type: none"> ▪ Protocols used should be submitted to the MBNEP SAC for integration into this framework to ensure consistency and standardization across the Mobile Bay Watershed 		



Eastern Shore Watershed Management Plan Steering Committee Meeting

Baldwin County Satellite Courthouse
9:00 – 11:00 am ~ July 30, 2021

- I. Networking
- II. Trivia Ice Breaker/Introductions
- III. Watershed Characterization & Conditions
 - a. Suzanne Sweetser
 - b. Tim Thibaut
 - c. Chris Warn
- IV. Survey Results & Discussion
- V. Next Steps

Tentative Meeting Schedule:

- September 15, 2021 – stakeholder meeting (large public)
- Mid-January 2022 – Management Measures and Identification of Critical Issues steering committee
- Mid-April 2022 - stakeholder meeting - presentation of Draft WMP (large public)



Clean Water Future

Website Update Planning Meeting
May 21, 2021, 10am
Mobile Bay National Estuary Program/Zoom



Introductions

Name | Municipality/Organization/Department | How do you currently or would like to use the site

Opening Comments

The Create a Clean Water Future was built as a resource for you.

Update Steps

Analytics -> Survey -> **Meetings** -> Design -> Write -> Code -> Review

Partner Resources Page

Suggestions from Survey to add:

- Teacher Resources (EO opportunities and field trips)
- Convert advertisements to fillable templates,
- Create a Building/ Utility Dept Video for training on BMP's and Erosion Control

Alternatives for the page name and use.

- Rename Digital Assets to Partner Materials
- Create sub-pages for Training Videos, Virtual Training, Educational Videos
- Separate out Handouts/Brochures

Plan for organizing front page

- Organize by topic (Sediment, Litter, etc) with sub-categories of age if applicable
- Change "Tips" to "Actions"
- List out all actions on the front page to easily be seen.

New Actions Pages Priority

- MS4
- Litter Regulations
- Post-Construction
- LID
- Alabama Water Watch / Water Quality Sampling
- Water Quality (?)
- Public Education/Outreach
- Local Government (Smaller, non-permitted cities)
- Volunteer Opportunities
- Water Quality Links

Additional Thoughts

-More Media -Videos of the public in action -Monthly email newsletter

Next Steps

Design -> Write Pages -> Code -> Review

ben@cobiadigital.com / 251 289 1236



STATE OF ALABAMA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
64 NORTH UNION STREET, SUITE 468
MONTGOMERY, ALABAMA 36130
(334) 242-3486

KAY IVEY
GOVERNOR

CHRISTOPHER M. BLANKENSHIP
COMMISSIONER

EDWARD F. POOLOS
DEPUTY COMMISSIONER

August 4, 2021

Ms. Ashley Campbell
Baldwin County
201 East Section Avenue
Foley, AL 36535

Dear Ms. Campbell:

I am writing to invite you to participate in a very important meeting to chart a course for the future of the Mobile Tensaw Delta. On Thursday, August 26, 2021, from 8:00-12:00 p.m. leaders from business and industry, government, resource management, ecotourism, and environmental and community organizations will convene virtually to develop a strategy for ensuring the long-term health and resilience of one of Alabama's greatest assets, the Delta. This meeting will include information on the state of the Delta and ask you to participate in developing recommendations which will be included in a comprehensive watershed management plan for protecting recreational and ecotourism opportunities, industrial uses, and most importantly the natural environment supporting the Delta's unparalleled biodiversity.

You have been invited to attend this meeting because of the special expertise and perspective you bring to this "table." We value how your organization or the constituency you represent views the challenges threatening this treasured resource and opportunities to sustain it for future generations. The Governor's Chief of Staff, Jo Bonner, will provide a keynote address speaking to the importance of this resource to the State of Alabama.

Enclosed you will find a flyer with information on registering for this meeting. Please make your reservation no later than close of business on August 23, 2021. Thank you for considering being a part of this effort. If you have any questions regarding this meeting, please direct them to Henry Perkins at 251-591-2289 or hperkins@mobilebaynep.com.

I look forward to virtually seeing you on August 26.

Sincerely,

Christopher M. Blankenship
Commissioner, Alabama Department of Conservation and Natural Resources

THE DELTA EXCHANGE



What does the future hold for the Mobile-Tensaw River Delta?

In light of high profile issues impacting the Mobile-Tensaw River Delta, along with the many other associated impacts affecting the long-term health and resilience of this vast river system known as "America's Amazon," how will our community collaboratively manage this unique natural resource into the future? Like the exchange of fresh and salt water in this distinctive estuary, what does the Delta give us and what do we give it in return?

**THURSDAY
AUGUST 26
8 AM - NOON**

Register
by Aug. 23

**A Virtual Event
via Zoom**

This invitation-only event is designed for the wide diversity of stakeholders in the Delta, including businesses, developers, environmental protection advocates, farmers, foresters, government officials and staff, industries, private landowners, public landowners and managers, recreational users, residents, scientists, utilities, and more.

Join the Mobile Bay National Estuary Program in a virtual, morning event to:

LEARN

about the Delta's great biodiversity and what is imperiling these unique lands and waters

DISCOVER

actions that can be taken to restore, protect and preserve this large watershed spanning nearly a quarter-million acres in Mobile and Baldwin counties

SHARE

additional steps you believe can contribute to the health of the Delta

PRIORITIZE

with your fellow stakeholders, what can and should happen now and into the future to best manage "America's Amazon."

REGISTER:
tinyurl.com/4pefahmh



Or scan
the QR code
to register

20210824 Project Team Run Through for The Delta Exchange

DRAFT Agenda

- I. Presentation Slides (20 min.)
(run through briefly for flow)
- II. Updated Breakout Sessions Documents (15 min.)
(brief review of changes)
- III. Practice Breakout Sessions (15 min.)
(briefly with 3-person staff pulling up and filling in needed documents, mock facilitation with resource timing and filling in Opportunities and Action Sheet)
- IV. Mock Live-Time Polling (20 min.)
- V. Close (5 min.)
- VI. Questions (15 min.)

Connie Whitaker
Executive Director

Board of Directors

Chesley Allegri
Fairhope, AL

Ellis Allen, M.D.
Foley, AL

Shawn T. Alves
Daphne, AL

Gavin Bender
Mobile, AL

Coley M. Boone
Fairhope, AL

John L. Borom, Ph.D.
Fairhope, AL

Andrew Chason
Fairhope, AL

J. Patrick (Rick) Courtney
Mobile, AL

Mike Creel, D.V.M.
Gulf Shores, AL

Kendall Dexter
Mobile, AL

Brett Gaar
Magnolia Springs, AL

Daniel Galbraith
Fairhope, AL

Veronica Herndon
Josephine, AL

Bob Holk
Magnolia Springs, AL

Warren Hopper, CEEM
Fairhope, AL

GiGi Lott
Fairhope, AL

Walter A. (Trey) Ruch
Perdido Beach, AL

Louis G. (Buddy) Russell
Fairhope, AL

Skipper Tonsmeire
Fairhope, AL

Gina Walcott
Fairhope, AL

Leslie G. Weeks
Fairhope, AL

Julie Wiggins, D.N.P.
Fairhope, AL



SOUTH ALABAMA
LAND TRUST

Friends of the Weeks Bay Reserve

February 14, 2022

Susan Kilby-Aaron
Business Manager
Communications & Information Systems
Baldwin County Commission

Dear Susan:

Susan, please consider this a formal request on behalf of the South Alabama Land Trust to place Prothonotary Warbler nesting boxes in the vicinity of Live Oak Landing.

The Prothonotary Warbler population has decreased significantly due to filling of wetlands and swamps and the trees cavities where they built their nests. The preferred nesting habitat for this small bright yellow bird is over or near calm or slow-moving water (think Dismal swamps). That swampy type habitat exists at the south end of the Live Oak Landing Park, and we are seeking permission to install a yet to be determined number of boxes in that area.

We recently completed a similar project where a total of 14 boxes were placed at 5 Rivers, Blakeley State Park, and Bay Front/Village Point park. GPS coordinates for each box were located on a Google Map for easy communication to others about the box locations.

The wooden boxes are about the size of a bluebird house and would be spaced about 200 feet apart along the road running through the swamp and out into the swamp as safety considerations allow.

I thank you in advance for your consideration. Please advise if additional information is required.

Sincerely,

Connie Whitaker
Executive Director

11401 U.S. Hwy. 98
Fairhope, AL 36532
southalabamalandtrust.org

251 990 5004





COUNTY COMMISSION

BALDWIN COUNTY
312 Courthouse Square, Suite 12
BAY MINETTE, ALABAMA 36507
(251) 937-0264
Fax (251) 580-2500
www.baldwincountyal.gov

MEMBERS
DISTRICT 1. JAMES E. BALL
2. JOE DAVIS, III
3. BILLIE JO UNDERWOOD
4. CHARLES F. GRUBER

December 21, 2021

Ms. Angela Underwood
Interim Manager
Weeks Bay Reserve
11300 US Highway 98
Fairhope, Alabama 36532

RE: Weeks Bay National Estuarine Research Reserve Advisory Committee

Dear Ms. Underwood:

The Baldwin County Commission, during its regularly scheduled meeting held on December 21, 2021, and as related to the Weeks Bay National Estuarine Research Reserve Advisory Committee, appointed Ashley Campbell, Natural Resource Planner, as the Baldwin County Commission's representative for a term to commence on December 21, 2021, said term to continue for the duration of Ms. Campbell's tenure as the Baldwin County Commission's Natural Resource Planner.

If you have any questions or need further assistance, please do not hesitate to contact me at (251) 937-0330 or Wayne Dyess, County Administrator at (251) 580-2550.

Sincerely,

JAMES E. BALL, Chairman
Baldwin County Commission

JB/clc Item BA3

cc: Matthew.Brown@baldwincountyal.gov
Ashley.campbell@baldwincountyal.gov

Weeks Bay Advisory Committee

Weeks Bay National Estuarine Research Reserve



March 09, 2022

MEMORANDUM

TO: Weeks Bay Advisory Committee

FROM: Debbie Quinn, Chair

SUBJECT: Advisory Committee Meeting

The Weeks Bay Advisory Committee meets **Wednesday, March 09, 2:00 PM** and will be held 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. Presentation:
3. Manager Report:

- Management
- Research
- Education
- Stewardship
- Watershed/CTP

Operations and management of Reserve
Research and monitoring at the Reserve
Ongoing educational programs at Reserve
Stewardship and outreach activities
Update on watershed & CTP activities

4. Other Business
5. Adjourn

Please notify Lisa Weatherwax at 928-9792 or lisa.weatherwax@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.

Bullet Points March 09, 2022

Manager Report:

- NOAA 312 Evaluation
 - The evaluation will examine how the ADCNR is implementing the federally approved Weeks Bay National Estuarine Research Reserve Management Plan, adhering to federal regulations governing the implementation of the reserve system and meeting all federal requirements for managing financial assistance awards under the CZMA. The evaluation findings will also provide information on program accomplishments and areas needing greater attention. Evaluators will request input of the reserve's partners and stakeholders, and the public will be able to provide input through written comments and a public meeting
 - The initial information request was submitted to NOAA
 - Date set for a virtual evaluation: Week of July 25
- Participated with staff on Management Plan Kickoff workshops facilitated by NOAA. These were held virtually over a course of three, 2-hour sessions. Staff brainstormed strengths and opportunities of the Reserve and were able to develop a new Vision and Mission statement. Staff are currently working on Goals, Objectives, and Actions as part of the strategic plan.
- Applied for NOAA Procurement, Acquisition and Construction funds for two projects:
 - Visitor Center Boardwalk Improvements
 - Boatyard and Maintenance Facility
- Public access improvements and kayak launch plans are near completion-Jade Consulting.
- Staff and volunteers replaced Thru Flow decking on the fishing pier adjacent to the Resource Center.

CTP/Watershed Update: Mike Shelton

- Conservation Grazing Project: participated in field site visit to Currie Farm in Picayune, MS to view management using pinewoods cattle; participated in webinar series led by the American Sheep Industry Association in development of a Targeted Grazing Applied Manual.
- Participated in stakeholder team for History and Topography to Improve Decision-making for Estuary Restoration (HiTIDER) project.
- NOAA Science Seminar Series, Science and So Much More: Putting science into practice through the coastal training program with counterparts from Rookery Bay and Grand Bay National Estuarine Research Reserves.
- Participated in stakeholder team meeting for DISL/USA microbial source tracking project.
- With Research Coordinator, previewed beta version of dynamic SPARROW model and decision-support tool. Tool is still in final development.
- Planning two webinars on use of open space in floodplain management:
 - Communication of open space mapping conducted by University of South Alabama for all communities in two coastal counties.
 - Examining the open space planning tools for use in floodplain management and in enrollment process for the Community Rating System: Diving into the Digital Coast

- Workshop planning for upcoming erosion and sediment control, plant identification, conservation easement, and wetland regulation and compliance issues.
- Continued to support ongoing projects and committees.

Research Coordinator: Scott Phipps

- An Auburn University research team will be here at the Reserve all this week collecting pre-burn data on fuel loads and soil nutrient levels in the Damson Tract next to the Reserve office. Dr. Yaniv Olshansky and Dr. Heather Alexander are investigating the effects of fire management on the nutrient cycle in coastal wetland forests.
- The Weeks Bay Research Coordinator and System-Wide Monitoring Program (SWMP) technician will be attending (virtually) a weeklong monitoring workshop 14-18 March to learn all the new updates and techniques from the Centralized Data Management Office and from YSI technicians and Campbell Scientific technicians (for water quality and weather).
- A NOAA Hollings Scholar will be making their initial visit to the Weeks Bay Reserve this month to meet staff, see the Reserve and plan their work here. This student will be collecting an important piece of information on our project to determine the effects of docks/piers on our Bay's primary productivity. They will be collecting primary production data along a gradient from fully shaded, through partially shaded to full sun to determine the extent of impact.
- Weeks Bay will host a National Science Foundation Research Traineeship student from Auburn University through the Program on Climate Resilience. This student will be comparing chlorophyll concentration from sediment cores to recent chlorophyll data collected over the past decade by Weeks Bay SWMP. This research will tell us about recent geological fluctuations (3 to 7 thousand years).

Education: Angela Underwood & Danielle Davidson

Hosted education programs for the following groups:

- Winter Showcase Series - Gulf Shores & Orange Beach Tourism (17 adults)
- Fairhope Public Library – Tide Travelers Storytime on animal tracks (12 students, 8 adults)
- Magnolia Springs Public Library – Tide Travelers Storytime on animal tracks (8 students, 5 adults)
- Fairhope West Elementary School – Project Jubilee 3rd grade (19 students)
- Fairhope West Elementary School – Project Jubilee 4th grade (24 students)
- Nature Connect Pre-K field trip @ Stedman's Landing (22 students, 10 adults)
- Fairhope Public Library- Tide Travelers Storytime on gyoaku (30 students, 7 adults)
- Fairhope West Elementary School –Project Jubilee 5th & 6th grade (55 students)
- EEAA Educator field trip (16 adults)

Participated in the following Professional Development opportunities:

- Shovel Testing at Bay Front Park in Cohen, AL (2 days)
- Southern Association of Marine Educators - Annual Meeting (DISL)
- Alabama Coastal Foundation Sustainability Summit
- Environmental Education Association of Alabama Annual Conference
- After the Spill: Findings from a decade of GoMRI science
- Reckoning with the US Role in Global Ocean Plastic Waste

- Science and So Much More: Putting science into practice through the coastal training program - NOAA/NOS Science Seminar Series
- Birdability: What Makes a Birding Location Truly Accessible
- Trash Free Waters Webinar
- NOAA Science Seminar: information is not enough: Identifying barriers to environmental action can shape how we interact with our audiences (2021 Knauss Fellows Lunch & Learn Series)
- NOAA Gagne 9 Events of Instruction
- Virtual NOAA Education Council Gathering
- Pensacola & Perdido Bays Estuary Programs (EOC Meeting)
- GOMA Marine Debris Cross Team Meeting

Upcoming Events:

- Fly Fishing with Kids Event – Saturday, March 19th
- Founders Car Tour – Friday, March 25th
- Weeks Bay Reserve’s Gulf BioBlitz & Paddle – Saturday, April 23rd
- Attend GOMA Conference in Baton Rouge - April 25th – 28th
- Baldwin County Public Libraries – Summer Reading Program (Oceans of Possibilities)

Stewardship: Eric Brunden

- With the assistance of Katherine at SALT we solicited help from some great volunteers who cleared debris along the Visitor Center boardwalk in preparation for prescribed fire and installed new decking on the fishing pier.
- GulfCorps assisted with removal of damaged boardwalks.
- Installed additional sediment elevation tables on marsh spit for monitoring sediment elevations.
- Started a collaboration with Renee Collini of PLACE:SLR to put together a group to discuss reevaluate restoration needs and prioritization at the Reserve.
- Coast Guard inspection of Explorer
- Mike and I continued participation in the conservation grazing project.
- Assisted manager with construction projects and PAC applications

Upcoming Events:

- Prescribed fire on Upland Trail and possibly the bog, Damson Tract, and Safe Harbor.
- Continue working on management plan revisions.
- Working with Hollings Scholar on Ecological effects of benthic shading within Weeks Bay project.
- Host group of experts to participate in webinar/conference calls/workshops with staff and PLACE:SLR.
- Anticipate writing additional grants for restoration projects within the next 3 to 6 months.
- Assist Angela and Danielle with school group vessel tours, canoe/kayak paddle, and other outreach and education events.
- Attend GOMA Conference in Baton Rouge.
- Work with Scott and Davis to participate in this years’ system-wide GPS campaign on benchmarks in the NERRS (GPS-BINS) to support the accuracy of the transformation tool that National Geodetic Survey will be using to adjust old GPS data to the new geodetic datum expected in 2025.

- Present information in Gulf Coast Reserves Invasives Species Management webinar hosted by NOAA's NOS Science Seminar Series.

Western Perdido Bay Watershed Management Plan Steering Committee Meeting-January 31, 2022

Meeting Attendees: Nathan Bartl, Madison Blanchard, Mary Kate Brown, Wade Burcham, Lani Cameron, Ashley Campbell, Mike Cleveland, Pete Garafola, Judy Haner, John LaGrone, Billy Lovelace, Gerry Manus, Matt Posner, Brent Spears, Roberta Swann, Jenny Williams

- Roberta Swann from Mobile Bay National Estuary Program (MBNEP) opened the meeting. She stated we should consider the following as we create a Watershed Plan: Water Access, Shorelines, Heritage & Culture, Fish & Wildlife, Environmental Resilience & Water Quality
- Wade Burcham facilitated a discussion regarding the strengths, weaknesses, opportunities, and threats to the Western Perdido Bay Watershed with the group. The group present provided their thoughts regarding each of these areas to separate lists.
- The name of the Watershed Management Plan Steering Committee was changed to Western Perdido Bay Watershed (including Caney Bayou, Bridge Creek & Palmetto Creek) Management Plan Steering Committee
- Future Vision Discussion-Several suggestions were given. Roberta suggested Wade take these suggestions and craft a mission statement for this Watershed Plan
- Currently we are working on the Watershed Characterization and Conditions
- Wade presented the 2022 Task Descriptions for the committee on a calendar timeline: these include: community engagement, watershed characterization & conditions, climate vulnerability assessment, identification of critical issues and areas, management measures, implementation strategies, monitoring program, regulatory review
- Wade will email a survey to all of us to take into the community. The goal is for each of us to obtain 30 completed surveys if possible
- The purpose of the survey is to identify what the community's perception is of the strengths, weaknesses, opportunities, and threats to the Western Perdido Bay Watershed
- Madison presented information on the Community Action Committee (CAC) Volunteer Water Quality Monitoring Program. We will try to identify possible Volunteer Water Quality Monitors as part of the survey. John and Nathan have currently volunteered.
- Next meeting will be February 21st at 6:00pm
- Prior to the each meeting Wade will send out an outline /agenda for the committee members to review to prepare for the meeting

Perdido Watershed Management Plan Steering Committee Meeting-December 3, 2021

Meeting Attendees: Wade Burcham, Lani Cameron, Ashley Campbell, Mike Cleveland, Pete Garafola, Cindy Rae Jones, John LaGrone, Lucy Smith

- Wade Burcham opened the meeting with a PowerPoint presentation. Discussion centered around objectives for the Steering Committee.
- The Watershed Management Planning process should last from 13 to 18 months.
- Wade stated the Perdido Watershed (including Palmetto Creek & Bridge Creek Watersheds) is not currently developed beyond 20%. Wade stated since this watershed is developed less than 20%, this is an advantage for the Perdido Watershed and a critical time to create a Watershed Management Plan.
- Wade stated that when a watershed has a Watershed Management Plan in place, it becomes less challenging for a community to get funding to assist with issues within the watershed.
- Wade stated we should adhere to the principal of "Do No Harm to Your Neighbor" as we evaluate the Perdido Watershed.
- Wade stated public participation is an important part of the Steering Committee's role.
- Wade stated the Steering Committee should plan a large public meeting in the first quarter of 2022.
- The public meeting attendance goal is 100 participants.
- The public meeting date and place will be determined at the next Steering Committee Meeting.
- Wade will provide a map for the Lillian Volunteer Fire Department and a map to use at the public meeting; This meeting will likely be held at the Lillian Community Club.
- Questions from new members indicated a need for an introductory presentation for members who were not part of the citizen's advisory committee involved in selecting Geosyntec.
- Ashley stated she is going to do water testing training for Sandy Creek. She offered to allow Steering Committee Members to attend this training.
- Ashley provided a copy of a section from "City Sketches", a Fairhope publication. This section included information regarding public participation in the D'Olive Watershed Management Plan. This information is for the Perdido Watershed Management Plan Steering Committee to use as a reference tool.
- Wade stated we should add 3 additional members. These 3 members should be as follows: 1 Farmer, 1 Developer and 1 additional Perdido Beach resident.
- Mike Cleveland is going to work with John LaGrone to add these additional members to the Steering Committee.
- Once the 3 additional members are identified, Mike Cleveland will set up the introductory presentation for Mike, John and Cindy Rae, as well as these new members.
- The next Steering Committee Meeting will be held at the Lillian Volunteer Fire Department, 11331 County Road 91, Lillian, AL at 6:00pm on January 11, 2022.
- The introductory presentation will be held at a date prior to the January 11th meeting
- It was determined Mike Cleveland will be the Committee Chairman, Lani Cameron the Co-Chairman, Cindy Rae Jones the Public Outreach Coordinator and John LaGrone the Fieldwork Coordinator.
- Lani Cameron stated she would complete minutes for this meeting and send links to all members of videos Wade Burcham has already shared with Lani, Lucy and Pete. These links will be sent at the same time as the minutes for this meeting.



WOLF BAY WATERSHED WATCH

Annual Meeting

February 5, 2022

10am - 12pm

Our meeting will be held at Graham Creek Interpretive Center in Foley. Topics will include current and proposed restoration projects in the watershed, South Alabama Land Trust, the Foley Flood Response Plan and watershed updates. Following the meeting there will be a potluck lunch.



WOLF BAY WATERSHED WATCH ANNUAL MEETING AGENDA

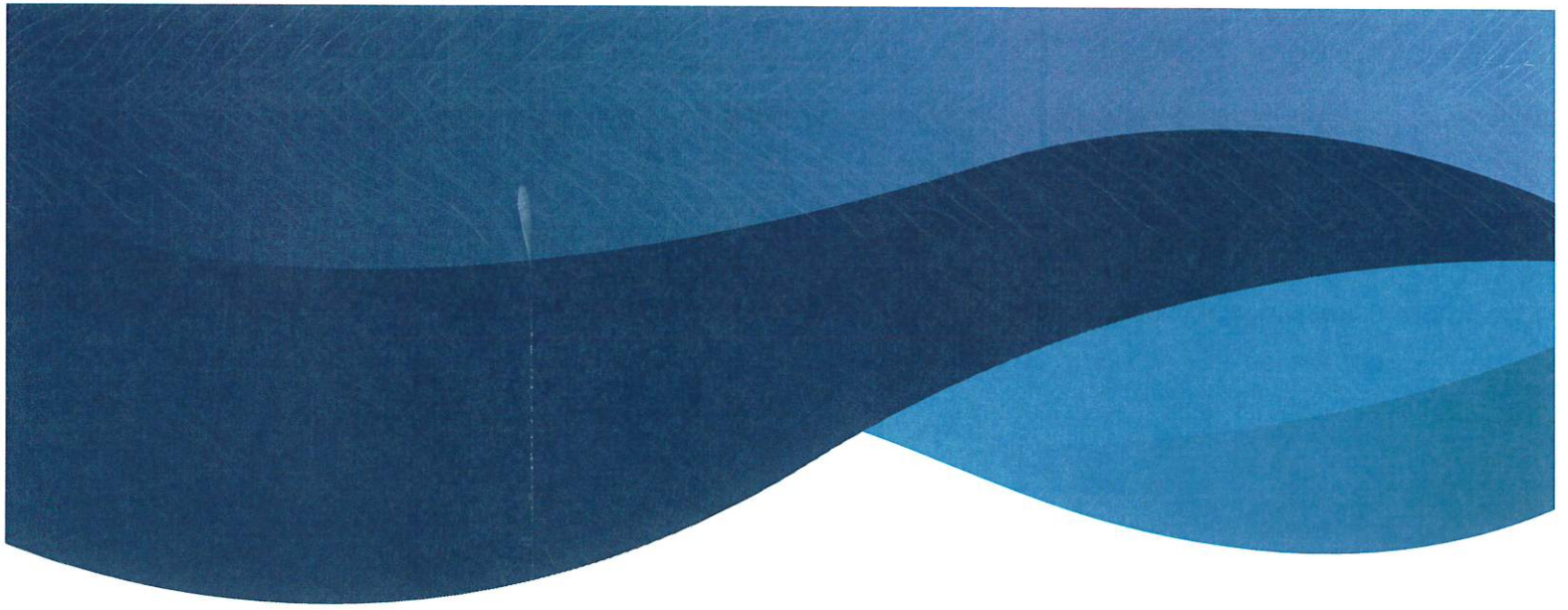
Location: Graham Creek Interpretive Center

Date: February 5, 2022

Time: 10:00 AM

Agenda Items

Welcome	Leslie Gahagan
2021 Meeting Minutes	Joanne Cox
2021 Year End Financial	Rick Odess
Stan Mahoney Youth Fishing Tournament Recap	Robert Davis & Brett Gaar
Wolf Creek Restoration Plan	Katy Hines/Annelise Dodd - Volkert Engineering
Land Conservation in Wolf Bay	Connie Whittaker – South Alabama Land Trust
Foley's Flood Response Plan	Leslie Gahagan – City of Foley
Monitoring Updates	Jacqueline McGonigal/Angie Eckman
Education Committee	Jo Hellmich – 2021 Scholarship Winners
Board Nominations	Leslie Gahagan – Expiring: Adam Crandall; Ann Crawford; Jo Hellmich; Jacqueline McGonigal; Angie Eckman
	Questions & Comments & Lunch





Meeting Minutes

July 30, 2021

IN ATTENDANCE

Roberta Swann, Mobile Bay National Estuary Program (MBNEP)
Christian Miller, MBNEP
Randy Davis, M&R Solutions, LLC
Christopher Warn, Environmental Science Associates (ESA)
Tim Thibaut, Vittor and Associates
Steve O'Hearn, Thompson Engineering
Suzanne Sweetser, Thompson Engineering
Mike Eubanks, Thompson Engineering
Eric Schneider, ESA
Emily Miller, Thompson Engineering
Alfred Guarisco, Village Point Park Preserve
Tim White, City of Daphne
Tim Patton, Daphne Utilities
Casey Fulford, Alabama Association of Conservation Districts
Christina LaJeune, City of Fairhope
Henry Perkins, MBNEP
Grey Cane, Coastal Conservation Association (CCA)/resident
Connie Whitaker, South Alabama Land Trust (SALT)
Ashley Campbell, Baldwin County Planning and Zoning
Joey Nunnally, Baldwin County Highway Department
Casey Williams, Eastern Shore Chamber of Commerce
Troy Ephriam, Ephriam and Associates Environmental Consulting, LLC
Craig Pouncey, Coastal Alabama Community College
Mike Shelton, Weeks Bay National Estuarine Research Reserve (NERR)
Cathy Barnette, Old Towne Daphne Association/Dewberry
Corey Martin, City of Fairhope City Council/Resident
Selena Vaughn, Daphne Utilities



AGENDA TOPICS

- The meeting was held on July 30, 2021 at the Baldwin County Satellite Courthouse.
- The Team presented watershed characterization and conditions results.
- The Team also presented results from the online survey (Appendix).

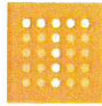
DISCUSSION

- It was suggested that the largest developmental growth in Fairhope has been in the headwaters of Fly Creek and Point Clear Creek.
- There was a lot of discussion about public access; specifically that not all the access points had been identified.
- Tim Thibaut presented data on SAV (2019 map compared with 1966 map) that sparked interest for participants. They wanted to see historical maps and wanted to understand the definition of SAV and the importance for it in the bay. Tim also mentioned that the estimated wetlands within the watershed is 3,498 acres.
- Chris Warn discussed the water quality and climate change/resiliency aspects of the watershed. Specifically, he mentioned that the sea level has risen about 1.35-feet over the past 100 years in this area.
 - It was mentioned that there is a need for more public education about environmental problems and specifically about how citizens can take actions to reduce sewage problems by not putting grease or “flushable” wipes down their drains.
 - Shoreline erosion along D’Olive Bay and Yancey Creek was a topic of concern.
- Randy Davis and Troy Ephriam presented the online survey results. They were well received and did not invoke any surprises. All meeting participants were encouraged to get others to take the online survey to get a higher level of participation across all sectors of the watershed.
 - Corey Martin brought up concerns about Alabama SB107, and potential effects on orderly planning and zoning within the watershed. Along the same lines participants were interested in riparian buffers along the bay and how passage of Senate Bill 107 would impact the City’s authority over these buffers. SB107 states: *“Under existing law, the police jurisdiction of a municipality having a population of 6,000 persons or more may extend for three miles from the corporate limits and the police jurisdiction of a municipality having less than 6,000 persons may extend for one and one half miles from the corporate limits. This bill would provide that the police jurisdiction of a municipality would not be extended but would provide that a municipality may reduce its police jurisdiction by any half-mile increment or eliminate its police jurisdiction. Under existing law, the planning jurisdiction of a municipality, including the approval of subdivisions, extends for five miles from the corporate limits (Extraterritorial Jurisdiction). This bill would limit the jurisdiction of a municipal planning commission to the corporate limits of a municipality.”*



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- Currently, zoning outside of city limits is citizen driven and subject to a referendum vote to get county zoning.
- Joey Nunnally discussed storm debris removal from Hurricanes Sally and Zeta (2020). He stated that the debris removal project for navigable streams had been completed.
- Suzanne Sweetser summarized the tentative watershed plan meetings:
 - September 2021, Public Stakeholder Meeting
 - January 2022, Presentation of Watershed Management Measures and Critical Issues to Steering Committee
 - April 2022, Public Stakeholder Meeting for present findings/recommendation of the Draft Watershed Management Plan.



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Eastern Shore Watershed Management Plan Steering Committee Kick-Off Meeting

Tuesday, April 13, 2021 ~ 9:00 a.m.

Fairhope Civic Center Auditorium

Fairhope, Alabama

1. Roberta Swann kicked off the meeting introductions around the room and described MBNEP's organizational mission and purpose/role in development of Watershed Management Plans (WMPs) in the Alabama Coastal Counties.
2. Eliska Morgan outlined the objectives of this first meeting of the Eastern Shore WMP Steering Committee.
3. Suzanne Sweetser provided a summary of the components of a WMP and the need for public participation in guiding the WMP's development. She encouraged the attendees to view the poster-size watershed map and aerial photographs that were displayed in the meeting room. She emphasized the need to identify all pertinent data to assist in the characterization of the current quality of the watershed, identify problems/issues, leading to development of watershed management recommendations to facilitate watershed improvements. For example, we want to protect good habitats and areas with good water quality, and to restore/improve degraded priority areas identified. The Team is in the Data Needs phase of the WMP at this time—scheduled completion within 30 days. An online watershed survey will be available soon for public input regarding problem identification, data sources, data needs, etc. (email announcement will be provided to participants and others with expressed interest in the Eastern Shore WMP, and the survey will be located on the MBNEP website). She then summarized some watershed facts such as the subdivision of the Eastern Shore Watershed into seven subwatersheds located from just south of I-10 southward to Pelican Point at the mouth of Weeks Bay, a coastline distance of 23 miles, with 48 miles of streams.
4. Randy Davis and Troy Ephriam then facilitated an interactive discussion among attendees regarding problem areas within the watershed and issues/opportunities that need to be addressed in the WMP. Comments discussed include:
 - a. Joey Nunnally, Baldwin County Highway Department, summarized the post-hurricane cleanup of trees in navigable streams on the Eastern Shore that is being undertaken by the Alabama Department of Conservation and Natural Resources. A survey of the woody debris damage areas has been completed and a contractor will soon begin to remove the identified navigation obstructions. Only applies to navigable waters. County could not get funds on their own since they were not responsible for the waterways. State talked with FEMA but will not use their money—state will pay. City of Fairhope cleared all material behind 98 and bay.

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- b. Casey Williams, Eastern Shore Chamber of Commerce, stated that drainage is a big watershed problem, citing drainage problems leading from areas located upstream of places like Bay Front Park in Daphne through huge drainage pipes/tunnels. These drainage conduits have degraded the beachfront areas in the Daphne area with concrete rubble and rebar exposed along the existing shoreline (dangerous). Connectivity of the shoreline beaches is another problem. Chamber of Commerce is good resource for outreach—has 1300 members.
 - c. Teddy Faust, Tax Assessor, mentioned concerns of potential contaminated sediments in the depositional areas as you boat northward toward the causeway along the Eastern Shore area. He also is concerned about the loss of grass beds along the shoreline where they historically existed to support the abundant fish and shellfish resources along the Eastern Shore.
 - d. Cathy Barnette, Dewberry Engineering, stated that better communication and cooperation between the political entities along the Eastern Shore is needed, e.g., Fairhope, Daphne, Spanish Fort. She also mentioned Metro Quest software where you can drop a pin on a map and identify issues.
 - e. Corey Martin, Fairhope City Council, stated that a more cohesive regulatory approach is needed not only for the Eastern Shore area, but also looking upstream to those areas through which the rivers and stream flow that feed into Mobile Bay.
 - f. Kim Burmeister, Fairhope Planning Board, Code Enforcement, stated that the Team must create partnerships locally to address watershed issues, such as the MS4 partnership dealing with Eastern Shore transportation issues that includes cooperative efforts by Fairhope, Daphne, and Spanish Fort. She also mentioned not pointing fingers—we are all part of the problem. Focus on ownership of problem and fixes. Need more cohesive ordinances.
 - g. Ashley Campbell, Baldwin County Planning & Zoning Department, stated this WMP should build upon the template of interagency cooperation that came out of the D'Olive Creek WMP, that has led to several million dollars of stream restoration efforts since that plan was completed in 2010. She recommended Team identification of the key priorities to be addressed in the recommendations for the WMP and not to get derailed on issues that can lead to dead end political/emotional hot topics.
 - h. DISL doing BP-funded, 10-year study on how water flows through Mobile Bay watershed.
 - i. No stormwater tax exists for Eastern Shore.
 - j. ACF has citizen data reports since 1995.
5. In closing, Eliska played the short video highlighting the Eastern Shore WMP. She reiterated that the watershed survey will be completed and put online soon (notifications will be sent out).
6. Mike Eubanks stressed the importance of getting involved in this planning effort and asked the Steering Committee to encourage others to participate to create ownership.
7. Attendees Included:
 - a. Roberta Swann, MBNEP
 - b. Christian Miller, MBNEP
 - c. Eliska Morgan, Thompson
 - d. Suzanne Sweetser, Thompson

- e. Steve O'Hearn, Thompson
- f. Mike Eubanks, Thompson
- g. Randy Davis, M&R
- h. Martha Davis, M&R
- i. Troy Ephriam, Ephriam Environmental
- j. Tim Thibaut, Barry Vittor & Associates
- k. Chris Warn, ESA
- l. Amy Paulson, ESA
- m. Mayor Sherry Sullivan, City of Fairhope
- n. Corey Martin, Councilman, City of Fairhope
- o. Kim Burmeister, City of Fairhope
- p. Joey Nunnally, Baldwin County Highway Department
- q. Ashley Campbell, Baldwin County Planning & Zoning Department
- r. Casey Fulford, Coastal Restoration Planner, AL Association of Conservation Districts
- s. Teddy Faust, Tax Assessor (resident)
- t. Casey Gay Williams, Eastern Shore Chamber of Commerce
- u. Elizabeth Tonsmeire, Local Resident/SALT Board member
- v. Jeannie Paradise, Fly Creek Marina
- w. Cynthia Barnette, Dewberry Engineering (Daphne resident)
- x. Lisa Adams, Mobile County Environmental Dept. (Fly Creek resident)



MINUTES
Technical Committee
Pensacola & Perdido Bays Estuary Program
May 26th, 2021, 10:00 am CT
Virtual Meeting
[Recording Link](#)

Jessica Bibza, Chair	NWF
Logan McDonald	PPBEP
Whitney Scheffel	PPBEP
Donald Killorn	PPBEP
Emerson Cheney	PPBEP
Ashley Campbell	Baldwin County
Kate Dawson	Moffat & Nichol
Amanda Croteau	UWF
Barbara Albrecht	BFA/UWF
Barbara Cory	UF
Beth Fugate	FDEP
Brian Underwood	CBEP
Caitlin Crocker	UF
Casey Fulford	AACD
Chelsea Conley	CBEP
Chris Verlinde	UF/IFAS Sea Grant
Christian Wagley	Healthy Gulf
Darryl Boudreau	NWFWMD
Haley Gancel	UF
Jacqueline Lane	Friends of Perdido Bay
Kristin Bennett	Tetra Tech
Marcy Frick	Tetra Tech
Lee Yokel	Citizen
Matt Deitch	UF
Matt Posner	PPBEP/Escambia County
Samantha Bolduc	Escambia County
Matt Wachob	UF
Meg Goecker	Moffat & Nichol
Melody Ray-Culp	USFWS
Naisy Dolar	SRC
Tanya Linzy	SRC
Tesfay Gebremicael	UF

1. Call to Order

2. Approval of January 27th, 2021 Meeting Minutes

Lee Yokel made a motion to accept the January 27th meeting minutes as printed. Sam Bolduc seconded the motion and the motion passed unanimously.

3. Staff Updates

a. Legislative Appropriation

- PPBEP submitted a \$250,000 legislative appropriation for 2021. The submittal was approved by the state legislature and is pending approval from the Governor (*has since been approved*).

i. Community Grant Update

- Projects are wrapping up the end of June. The FY 2021-2022 state appropriation is expected to fund the Community Grant program.
 1. Anticipated 2021-2022 RFP
 - PPBEP is expecting to release the community grant RFP in early July. Those interested in applying are encouraged to begin thinking about projects.
 - Grant awards are expected to be announced in September.

ii. NCCA/NWCA

- NCCA is due to kick off June 7. NWCA began in May and the sampling team has surveyed 7 out of 30 sites to date.
- NCCA and NWCA will provide snapshots of environmental conditions that will inform the State of the Bays report in addition to the CCMP.

b. SSO Bayou Marcus/Perdido Bay update

- ECUA reported a sanitary sewage overflow (SSO) at the Bayou Marcus Facility on Friday, May 14. ECUA water sampling data prompted a health advisory from the Florida Department of Health for Bayou Marcus. Water was sampled at freshwater and marine locations daily until contaminant levels in the freshwater bayou receded below threshold, contaminant levels never exceeded threshold at the marine sample sites. The health advisory was rescinded on Tuesday, May 18 by the DOH.
- This event highlights the role of the Estuary Program as a public-facing source of environmental data, especially in emergency response situations. PPBEP staff worked to retrieve, visualize, and present data to the community.
- PPBEP plans to work closely with local utilities, ECUA, DEP, and FDOH to coordinate community response and information after emergency situations. Staff will meet with ECUA on Thursday, May 27 to begin discussions. PPBEP would like to establish a direct pathway with ECUA so that raw data from emergency events can be sent directly to PPBEP where it can be visualized and presented to the public in a timely manner.

c. Trash Free Waters Project kick-off- June 19th 9am to noon

- PPBEP's Trash Free Waters project will be launched at Lexington Terrace Park on Jones Creek from 9am – noon on June 19th (*since postponed to July 31st*). Individuals interested in volunteering please [register online](#) or contact Emerson Cheney, edcheney@myescambia.com, for more information.

d. Oyster Subcommittee

- PPBEP will establish an oyster sub-committee that will be working towards implementing the oyster plan. The sub-committee will convene in June for their first meeting.

e. Workshop Recap

- Whitney Scheffel (PPBEP) summarized the technical workshop outputs that PPBEP and partners have hosted between Nov. 2020 and Apr. 2021. The workshops were designed to identify priority stressors and indicators for several environmental condition parameters. These workshops will inform the development of goals, objectives, and actions for the CCMP Action Plan.
- These workshops will inform the development of PPBEP's comprehensive monitoring plan.

4. CCMP Development

a. Progress Update

- PPBEP is starting to draft broader sections of the CCMP. Staff will coordinate with partners and TC members to develop and finalize components of the CCMP.
- Staff is planning to have a draft document ready to circulate in September.

5. Presentations

a. Kate Dawson (Moffatt and Nichol) – Lower Perdido Islands Restoration

Kate presented an update on the Lower Perdido Islands Restoration project. The project uses a multidisciplinary approach to plan for the restoration of the Lower Perdido Islands through organizational partnerships, environmental planning, and engineering. The project balances human use and environmental sustainability to deliver plans and models for various restoration scenarios. Hydrologic and sediment modeling informed restoration concepts that will be applied by the project. Project partners are currently seeking feedback on the restoration plan. Community members can learn more about the project and provide feedback at the following link: www.nature.org/perdidoislands.

b. Ashley Campbell (Baldwin County) - Watershed Planning in Baldwin County

Ashley shared her excitement about being involved with the PPBEP and shared her experience as a watershed planner and shared a video that highlighted a successful sediment remediation project conducted in the D'Olive watershed (MBNEP).

6. Around the Room/Announcements/Public Comment

- Jackie Lane (Friends of Perdido Bay) announced that funding was used to sample sediments at two sites in upper Perdido Bay. This work was conducted by Cardno Engineering Services. She briefly described some of the preliminary results and will share the final report once it is available.

7. Next Meeting

- a. Wed. July 28 (*since changed to July 27th*) – Virtual
 - i. Review of draft action plan

8. Adjourn



†

Technical Committee Meeting Minutes

November 30th, 2021, 10:00 – 12:00 CT

[Virtual Meeting Recording](#)

Jessica Bibza, Chair	NWF
Ken Heck, Vice Chair	DISL
Matt Posner	PPBEP
Whitney Scheffel	PPBEP
Logan McDonald	PPBEP
Emerson Cheney	PPBEP
Haley Gancel	PPBEP
Madi Ross	PPBEP
Amanda Croteau	UWF
Amy Newbold	EPA GMP
Anne Birch	TNC
Ashley Campbell	Baldwin County
Barbara Albrecht	BFA/ UWF
Beth Fugate	DEP
Bethanne Edwards	Bethanne Edwards LLC
Brandon Jarvis	EPA
Brent Wipf	Escambia County
Brian Underwood	CBEP
Caitlin Turnbull	UF
Casey Fulford	AACD
Cassie Bates	Mobile Baykeeper
Chasidy Hobbs	UWF
Chips Kirschenfeld	Escambia County
Christian Wagley	Healthy Gulf
Darryl Boudreau	NWFWMD
Elizabeth Major	Community Member
Eric Schneider	ESA
Erin Reschke	EPA
Heather Griffin	ADEM
Jacqueline Lane	Friends of Perdido Bay
Jeanette Kelson	Wood
Jeff Helms	Moffat & Nichol
Jessica Graham	SASJBEP
Justin Bousquin	EPA GEMMD
Kate Dawson	Moffat & Nichol
Keith Wilkins	City of Pensacola
Lyndsey Benton	City of Milton
Marcy Frick	TetraTech



Mark Jackson	City of Pensacola
Matt Deitch	UF
Matthew Kelly	Escambia County
Mollie Taylor	GeoSyntec
Natalie Jernigan	RESTORE Coordinator/ AFCD
Nigel Temple	WSP
Rick O'Connor	Florida Sea Grant/ UF IFAS Extension
Samantha Bolduc	Escambia County
Shelley Alexander	Santa Rosa County
Tesfay Gebremicael	UF
Webb Jackson	Anchor QEA

1. **Call to Order**

2. **Welcome and Introductions**

- a. Haley Gancel, Environmental Scientist
- b. Madi Ross, Community Outreach Assistant
- c. Matt Posner, Executive Director

3. **Approval of September 28th, 2021 Meeting Minutes**

- Barbara Albrecht (BFA) made a motion to approve the September 28, 2021 meeting minutes. Chasidy Hobbs (UWF) seconded the motion. The motion passed unanimously.

4. **Partner Presentations**

- a. *Jeanette Kelson (Wood)* – Carpenter Creek/Bayou Texar Watershed Management Plan
 - Matt Posner (PPBEP) presented an overview of the Carpenter Creek & Bayou Texar Watershed Management Plan on behalf of J. Kelson. The project team plans to present more details on the project at the January meeting once their assessments and recommendations are completed.
 - The presentation covered project goals, current impacts on the creek and bayou, ongoing assessments, project phases, and upcoming project touchpoints.
 - General discussion followed concerning catalytic project activities, stormwater initiatives/management, and severe creek bank erosion and DOT's remediation plans.
- b. *Casey Fulford (AACD)* – Overview of District and Alabama Projects
 - C. Fulford presented an overview of the history of the Alabama soil and water districts, organizational structure, local and state committee priorities, and ongoing projects within both Baldwin County and statewide efforts including Alabama Envirothon, the Coastal Planning & Support Program, and ongoing Septic Tank Programs.



- General discussion followed on RESTORE funding opportunities, Baldwin County septic tank inventory status, and the Coastal Planning and Support Program involving all Gulf states.

5. **CCMP Progress Update & Action Plan Revisions** – *Whitney Scheffel and Haley Gancel*

- i. CCMP Progress and Next Steps
 - Staff will finalize the Action Plan draft and supporting narratives, with the inclusion of any additional comments, between December 2021 and February 2022.
 - A Management Conference meeting is tentatively scheduled for April 13, 2022 to discuss CCMP and the Program's Annual Work Plan with PB members and committee members.
 - Staff plans to roll out the CCMP for public review in May 2022.
 - The State of the Bays report will be released to the public at the Gala fundraiser event in August 2022.
 - General discussion followed on plans for the initial editing of the CCMP draft and Management Conference attendees.
- ii. Process Evaluation Survey
 - H. Gancel clarified the difference between the [Process Evaluation Survey](#) and the Workshop Series Surveys (Fall 2020, Spring 2021). The Process Evaluation Survey hopes to reach anyone that was part of the participatory process for CCMP development. The survey intends to provide important information on how best to engage stakeholders in the development of the Program's current and future CCMPs.
- iii. Action Plan Feedback Survey
 - H. Gancel discussed the incorporation of feedback from the survey and previous Technical Committee meetings.
 - The previous PPBEP [newsletter](#) provided clarity on new elements added to the CCMP Action Plan spreadsheet.
 - The new [Action Plan Feedback Survey](#) is brief and aims to gather additional feedback from stakeholders on partners and overall agreement on goals, objectives and actions. Feedback will be incorporated before finalizing the Action Plan draft in 2022.
 - Haley Gancel urged committee members to fill out and review the Action Plan one last time before editing and public roll-out take place.
 - Staff request that reviewers complete the survey even if they have no edits. Input can be provided as "no comment".

6. **Staff Updates** - *Whitney Scheffel*

- a. Community Grants
 - The Estuary Program selected eight Community Grant Proposals for the 2021-2022 grant cycle. The funded projects began on October 1, 2021.
 - Save the Date: Perdido Key Coastal Demonstration Garden (Escambia County Natural Resources) project area clearing & prep for future planting (January 29, 2022).



- Fish Communities on Remnant and Restored Oyster Reefs of East and Escambia Bays: A Baseline for Assessing Restoration Success (University of South Alabama) was funded in addition to the seven originally approved projects.
- b. Trash Free Waters - *Emerson Cheney*
 - Litter booms have been installed at all three creeks: Pond, Jones, and Carpenter Creeks.
 - Litter cleanups and waterborne trash monitoring have commenced at each location.
 - Two community cleanups have been completed since the last meeting.
 - The first cleanup was at Pond Creek, held at Mayo Park in Milton with partners from Bagdad Waterfront Florida Partnership, Santa Rosa County, the Blackwater Pyrates, and community members. A total of 31 volunteers collected over 540lbs. of debris, plus 18 tires!
 - The second cleanup was at Carpenter Creek, located off Bayou Blvd. and 9th Ave. Osprey installed the litter boom for Carpenter Creek in July 2021 and boom monitoring has been ongoing. A total of 50 volunteers collected over 500 lbs. of debris.
- c. Auburn Land Use Workshop Summary and Survey
 - The project, funded by the Gulf Research Program of the National Academies of Sciences, Engineering and Medicine, will develop a framework that includes 30-year land use and land cover scenarios to predict future coastal ecosystem conditions and impacts to water quality.
 - The Estuary Program helped organized a Perdido-Wolf Bay Workshop, held on October 13th at the Perdido Key Community Center, that introduced the project and offered participants the opportunity to provide input on different land use change scenarios that could be used in their modelling of water quality and input on the applicability of model outputs to end users.
 - Auburn researchers are requesting [survey input](#) to inform their research.
- d. Office Space
 - The PPBEP is moving across the street to the Seville Tower, pending the arrival of furniture. Staff move-in date is tentatively scheduled for late December.
- e. Grant Updates
 - i. NOAA Actionable Science Grant (*Lead: Erin Cox, UNO*)
 - The Estuary Program is partnering with the University of New Orleans and Mississippi State University to develop a strategic plan for seagrass restoration considering seagrass resiliency to climate stress through genetic diversity.
 - The project team has formed an advisory panel of seagrass experts/practitioners and is developing surveys to gather input on restoration techniques, data needs, and perceptions on the status of seagrasses across the watersheds and restoration.
 - A stakeholder workshop will be held in Spring 2022.



- ii. NOAA Community of Practice (*Lead: PPBEP*)
 - The Estuary Program was awarded a grant to support resilience readiness in Pensacola.
 - This project will add qualitative information to the City's existing vulnerability assessment to support future resilience planning efforts in Pensacola, FL.
- iii. NOAA Environmental Literacy Grant (*Lead: Renee Collini, PLACE: SLR*)
 - In partnership with PLACE: SLR and City of Pensacola, staff will collaborate on sea-level rise education, outreach, and engagement through virtual reality, community dialogues, pop-in events, and other immersive activities.
 - The project team is meeting in December to prepare for the project's kick in 2022.
- f. EPA Funds – Upcoming Project Contracts
 - W. Scheffel briefly discussed the following project contracts that staff and partners plan to execute in 2022, pending Policy Board approval:
 - Address data gaps in the upper watersheds
 - Bays, Bayous & Sounds Program
 - Seagrass mapping & monitoring
 - Juvenile fish & shellfish trawl surveys in seagrass habitats
 - Oyster documentary
 - Ecosystem service valuation of habitats within Pensacola & Perdido watershed
 - State of Bay web platform design
 - CCMP design
 - Idgroup promotion & marketing

7. 2022 Leadership Nominations

- Voting will be held for chair and co-chair positions at the January meeting. Send self or partner nominations to PPBEP staff for consideration.
- J. Bibza provided an overview of Chair and Co-Chair roles and responsibilities.
- Chairs and/or vice chairs are asked to provide committee updates at Policy Board meetings.
- Chair and/or vice chair serve on the selection committee for Community Grant proposals. This does not mean the chair or vice chair cannot apply for a community grant; however, they would not be able to serve on the selection committee.

8. Newsletter Mailing Lists

- Contact [Logan McDonald](#) or choose your [mailing lists](#) to ensure you are receiving the correct newsletters. PPBEP is updating the mailing lists to send registered members information preferable to the member's needs: Watershed news and updates; Technical Committee, Education and Outreach, and Volunteer Opportunities.

9. Suggestions for Future TC Meeting Presentations

- Contact PPBEP staff to submit future presentation ideas.



10. Around the Room/Announcements

- Shelley Alexander- Santa Rosa County
 - Santa Rosa County received the Green Infrastructure Grant to create a project of innovative green stormwater infrastructure practices to address and improve impaired waterways within the Pensacola Bay Watershed. It will help educate community members on how best to help mitigate stormwater impacts through green infrastructure.
- Brain Underwood- CBEP
 - CBEP will hold a follow up interview with a candidate for the Public Outreach Specialist position next Tuesday.
 - Close to having a consultant team for CCMP drafting & development.
 - Tentative December 13th Technical Advisory Committee meeting for CCMP Drafting Process. Zoom links will be sent out when the date is determined.
- Barbara Albrecht- BFA
 - Bream Fisherman Association in the running for a rebrand through idgroup.
 - Idgroup will decide between three organizations for the brand “make-over”. Please place your vote ([survey link](#)).
- Jessica Graham- SASJBEP
 - SASJBEP’s Scientist position will be open through December 13th. Links for the position can be found online at the FSU Job Board or the Estuary Program website.
 - The Program will be announcing their Outreach Coordinator position within the next few weeks.
- Anne Birch- TNC
 - The Pensacola Oyster Habitat Restoration Project update is now available. Three reefs for the East Bay project have already been started, follow the [link](#) to see the progress so far.
- Heather Griffin- ADEM
 - The Alabama Non-point Source Conference will be held on January 26th, 2022. Alabama, Louisiana, Tennessee, and Florida will be represented at the conference. Contact [Heather Griffin](#) to have your name included as a presenter or speaker.
- Logan McDonald- PPBEP
 - Logan McDonald thanked everyone for their participation and support with the PPBEP and all the upcoming and ongoing projects.
 - L. McDonald highlighted Giving Tuesday and invited anyone who is able and willing, to donate to the PPBEP’s efforts. Donations can be made by contacting [Logan McDonald](#).
 - L. McDonald is holding a Bike for the Bays fundraiser for PPBEP in January 2022. You can [sponsor Logan](#) while she bikes 100 miles for the PPBEP!

11. Next Meeting

- **SAVE THE DATE:** Tuesday, January 25th, 2022
- Virtual or in-person:
 - J. Bibza suggested alternating between virtual and in-person meetings throughout the next year.



- A. Newbold suggested continuing the option for virtual for those who cannot travel to in-person meetings.
- H. Griffin preferred virtual due to out-of-state travel restrictions.
- Meeting Frequency:
 - General discussion followed on the frequency of meetings changing to quarterly meetings once the CCMP was finalized in summer 2022. Staff announced that there would not be a TC Meeting in March 2022. April's meeting will be the in person PPBEP Management Conference meeting.



MINUTES
Education & Outreach Committee
Pensacola & Perdido Bays Estuary Program

July 22nd 4:00-5:00 pm CT

[Virtual Meeting Recording](#)

Attendees

Chasidy Hobbs, Chair	UWF
Logan McDonald	PPBEP
Whitney Scheffel	PPBEP
Emerson Cheney	PPBEP
Donald Killorn	PPBEP
Matt Posner	PPBEP/Escambia County
Samantha Bolduc	Escambia County
Amanda Croteau	UWF
Jeanell Varnadore	UWF
Lee Yokel	Community Member
Sonia Vedral	Sentinel Site Coop, MSU
Ashley Campbell	Baldwin County
Gary Baine	Community Member
Heather Griffin	ADEM
Jessica Bibza	NWF
Lee Winchester	BWFP/WRC
Lindsey Steck	Visit Pensacola
Darryl Boudreau	NWFWMD
Haley Gancel	UF

1. Call to Order

2. Approval of May 20, 2021 Meeting Minutes

- Lee Anne Winchester requested to be added to the participants list.
- Jessica Bibza, NWF, made a motion to approve the May 20, 2021 meeting minutes as amended. Samantha Bolduc, Escambia County, seconded the motion and the motion passed unanimously.

3. Staff Updates

- Trash Free Waters
 - PPBEP's kickoff cleanup was rescheduled to July 31 due to weather. The cleanup is planned to run from 9am-noon at Lexington Terrace Park, 700 S Old Corry Field Rd, Pensacola. E-mail Emerson Cheney, edcheney@ppbep.org, for more information.
- Community Grant Program
 - PPBEP is now accepting applications for the 2021/22 Community Grant Program. Applications are due August 3 by 11:59pm CT.

- More information about the grant program, including the RFP and application materials can be found on the [PPBEP website](#).
- Community Grant Symposium- September 23rd 5:30-8pm at the Pensacola Bayview Center
 - In celebration of the successful community grant projects from 20/21, PPBEP will host a Grant Symposium at the Bayview Center. The symposium will highlight projects from last year and announce the recipients of 21/22 grant cycle.
- Outreach Assistant position
 - Escambia County HR posted the job opening for the PPBEP [outreach assistant position](#). The position has been extended until 8/18.
- TNC East Bay
 - The East Bay Oyster Habitat Restoration project is scheduled to begin soon. The project will install 33 reef segments along 6.5 miles of shoreline in Blackwater and East Bays.

4. National Estuary Week Planning and Sign-ups – September 18th- 26th

- PPBEP is developing a robust schedule of events in celebration of National Estuaries Week.
- PPBEP and partners will hold a variety of activities throughout the week to promote estuarine awareness. Events include cleanups, paddle trips, outreach events, grant symposium, and more! People who are interested in helping out with any of the events during National Estuaries Week can reach out to Logan McDonald, PPBEP, lmcdonald@ppbep.org, for more details or sign up to participate at the following website, <https://signup.com/go/DFJCFvT>.
- Scheduled Events (updated after the meeting):
 - September 18th
 1. International Coastal Cleanup, various locations in the morning
 2. MESS Hall Estuary Stations, 1-4pm
 3. Keep Pensacola Pieces a Drift Art Show, evening
 - September 19th: Indian Bayou kayak trip with City of Pensacola Parks and Recreation, AM
 - September 20th: Lunch & Learn: Oyster Mapping
 - September 21st: Navarre Beach Marine Science Station Open House, 4-6pm
 - September 22nd
 1. Perdido Islands Paddle and Seining (tentative) in the morning
 2. Escambia River Documentary (tentative – Beardless Brewhaus has encountered construction delays and a new location is needed), evening
 - September 23rd: Community Grant Symposium, 5:30-8:00pm, Bayview Center, Pensacola
 - September 24th-26th: Pensacola Seafood Festival Booth
 - September 25th: National Public Lands Day
 - September 26th: Oyster Natural History Bay Tour, 5:30-7:30 (tentative)

5. Committee Structure Discussion

- Chair Hobbs asked for input concerning whether the committee should establish roles for individual committee members to improve the committee's impact.

- Jessica Bibza, NWF, recalled that the committees were established with open membership due to Florida Sunshine Law. Several meeting participants echoed the concern of transitioning the committee to an advisory capacity. The committee agreed that individual roles could be established without needing to transition to an advisory committee.
- Chair Hobbs suggested several committee member roles, including a youth role, K-12 role, events role, and fundraising role. Jessica Bibza suggested that committee leadership roles reflect CCMP objectives and groups focusing on one CCMP objective may be called action teams.

6. Around the Room/Announcements/Public Comment

- Chair Hobbs asked staff how the litter-boom naming contest is going. Logan McDonald shared that several name submissions have been received and new suggestions are still being accepted. Name suggestions can be submitted at [Litter Boom Naming Contest \(wufoo.com\)](http://wufoo.com).
- Jessica Bibza reminded meeting participants to send in feedback on the draft CCMP Action Plan.
- Jessica Bibza shared an update on NWF's panhandle manatee outreach project. Several interns are working at local boat ramps on Saturdays, talking to boaters about manatee awareness and asking them to go slow where seagrasses grow.

7. Next Meeting

- **September 2nd** – In person, SCI Community Room

8. Adjourn



AGENDA

Education & Outreach Committee (EOC)
Strategic Plan Workshop
Pensacola & Perdido Bays Estuary Program
June 24, 2021
3:00 pm – 5:00 pm CT
Virtual Meeting
[Zoom Link](#)

3:00- 3:10

- Introduction and ground rules for participants
 - Please take break as needed
- Workshop purpose & goals
 - Determine if there is consensus around strategy goals, objectives, and actions
 - Build out audiences, potential partners, funding streams, and metrics

- Overview of MURAL whiteboard tool, session format & guidelines.
- Comment feature
- Q/A
- Visitor Link

<https://app.mural.co/t/pensacolaperdidobaysestuaryp1069/m/pensacolaperdidobaysestuaryp1069/1624541089278/46bc0c8e42126764e5e3d787d58a40af6a1ce93c?sender=uc64d37978987a56e1fe04420>

3:10-4:50

- Review draft strategic plan structure
- Discussion: Participants provide any additional feedback on 1. Goals, 2. Objectives, and 3. Actions
- Discussion: Participants provide input on audiences, potential partners, funding streams, and metrics

4:50-5:00

- Wrap-up Discussion
- Process Evaluation Overview
- Adjourn – survey to provide input on draft plan closes July 8th



WORKSHOP SUMMARY
Education & Outreach Strategic Plan Workshop
Pensacola & Perdido Bays Estuary Program

April 20, 2021

4:00 pm – 5:00 pm CT

Virtual Meeting

[Recording Link](#)

I. Registered Participants

Chasidy Hobbs	UWF, Chair
Carrie Stevenson	UF/IFAS Escambia, Vice Chair
Whitney Scheffel	PPBEP
Logan McDonald	PPBEP
Emerson Cheney	PPBEP
Donald Killorn	PPBEP
Matt Posner	PPBEP/Escambia County
Amanda Croteau	UWF
Haley Gancel	UF
Paul Looney	WRA
Chelsea Conley	CBEC
Ashley Campbell	Baldwin County
Samantha Bolduc	Escambia County
Lee Yokel	Community Member
Taurai Gweshe	Community Member
Brian Underwood	CBEC
Chris Verlinde	Santa Rosa County
Christian Wagley	350 Pensacola
Clara Zubrick	Weeks Bay
Jessica Bibza	NWF
Sonia Vedral	PLACE: SLR
Shawn Brown	Visit Pensacola
Elizabeth Major	Community Member
Shannon McGlynn	ADEM

II. Workshop Summary

- a. Purpose, goals, and expected outcomes
 - i. Determine program niche (priority focus areas) for education and outreach efforts
 - ii. Inventory existing efforts (organizations currently implementing, audiences being reached, activities) around these focus areas and identify the program's role
- b. Structure
 - i. Introduction and welcome
 - ii. Overview of workshop purpose and goals
 - iii. Review of Community Values Survey and Technical Committee Outputs
 - iv. Reviewed Themes
 - v. MURAL digital whiteboard overview and session format
 - vi. MURAL Activities
 1. Inventoried existing efforts around identified themes
 2. Brainstormed PPBEP niche around identified themes

- vii. Wrap-Up Discussion
- viii. Process Evaluation Overview
- ix. Adjourned



Policy Board Meeting Minutes

March 30, 2022 at 1:30 p.m. CT
Gulf Breeze Community Center
800 Shoreline Dr, Gulf Breeze, FL
[Meeting Recording](#)

Members Present

Robert Bender, Chair	Escambia County
Woody Speed, Vice Chair	City of Orange Beach
Mike Norberg	Okaloosa County
Shannon Rice	City of Milton
Ben Boutwell	Town of Century
Jeff Bergosh	Escambia County
David Piech	Santa Rosa County
Ann Hill, ph	City of Pensacola
Ashley Campbell, rep, ph	Baldwin County
Cherry Fitch, rep	City of Gulf Breeze

Member Absent

Bob Cole	Santa Rosa County
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Interested Parties Present

Matt Posner	PPBEP
Whitney Scheffel	PPBEP
Logan McDonald	PPBEP
Emerson Cheney	PPBEP
Haley Gancel	PPBEP
Madi Ross	PPBEP
Amy Newbold	EPA
Beth Fugate	DEP
Bird Davidson	TNC
Brian Underwood	CBEC
Carrie Stevenson	UF/IFAS
Casey Fulford	AACD
Chasidy Hobbs	UWF
Chips Kirschenfeld	Escambia County
Chris Curb	Flood Defenders
Edgar Miller	Gulf Breeze
Elizabeth Major	LW Voters
Heather Hyde	Jacobs
Heather Patten	UWF CETES Student
Jill Fleiger	FDACS
Marc Wyatt	EPA
Kent Wimmer	Defenders of Wildlife
Naisy Dolar	Santa Rosa County
Paul Looney	WRA



Samantha Able
Trent Matthews
Wade Lehmann

Gulf Breeze
USDA-NRCS
EPA

1. Call to Order

2. Roll Call

Ashley Campbell will serve as the new Baldwin County representative, taking the place of Dan Dealy (retired) on the Policy Board.

3. Approval of January 26, 2022, Policy Board Minutes

Commissioner Piech (Santa Rosa County) made a motion to approve the January 26, 2022 meeting minutes. Commissioner Bergosh (Escambia County) seconded the motion. The motion passed unanimously.

4. Guest Presentations

- Shellfish Harvesting Area Classification Changes in the Pensacola Bay System
Jill Fleiger, Florida Department of Agriculture and Consumer Services
 - J. Fleiger provided an update on the current water quality trends (e.g., fecal coliforms) in Escambia and East Bays preventing areas from being re-opened for harvest.
 - An overview map of sampling stations and proposed boundaries showed updated prohibited areas and conditionally approved areas.
 - Discussion and Q/A followed regarding current aquaculture business impacts, reclassification of new locations, data reevaluation processes, and potential causes of declining water quality.
 - General commentary was made on the importance of water quality improvement projects (stormwater and wastewater focused), opportunities to restore restricted areas, and funding initiatives that could help reclassification efforts.

- Northwest Florida Sentinel Landscape Designation
Kent Wimmer, Defenders of Wildlife
 - K. Wimmer presented information on the new Sentinel Landscape designation in the Northwest Florida area. The designation covers 16 counties and has around 50 partners that supported the designation. This effort seeks to address the needs of local communities and advance the priorities of federal, state, and NGO's partners alongside military missions.

5. Staff Updates

- **Director's Update** (*Matt Posner, Executive Director*)
 - i. **Finance Subcommittee**

The first finance subcommittee meeting was held on March 24th at the PPBEP office. Commissioner Piech was elected as the Finance Subcommittee Chair. Mike Norberg was elected as the Finance Subcommittee Vice Chair. The subcommittee reviewed EPA PPBEP and TFW Grant expenditure reports. Approval of EPA TFW budget



amendments passed. Discussion was held on the PPBEP FY22-23 Draft Budget.

ii. **Legislative Update**

The Florida Legislature approved PPBEP's state appropriations request. Other local appropriations dealing with natural resource restoration and water quality improvements of note were designated to the Milton WWTP, Town of Century Water Meter Replacement, UF NWFL data and analytical work, and many other FDEP and NFWF projects. M. Posner provided a legislative update on SB882, SB494, HB965, and HB7053.

iii. **EPA Budget Amendment Update**

The EPA Trash Free Waters grant amendment is under final review by the EPA.

iv. **Business Partnership Program**

The Business Partnership Program kicked off with a successful event in February that was held at Perfect Plain. Keynote speakers included Donnie McMahon (Pensacola Bay Oyster Co.) and Mayor Grover C. Robinson, IV. Staff have engaged additional business partners, including presentations to the Downtown Rotary Club and the Pensacola Chamber of Commerce.

Save the Date:

Santa Rosa County Business Partnership Event
May 19, 2022 from 6:00 PM – 7:30 PM C.T.
Santa Rosa County Chamber of Commerce
4315 Avalon Boulevard, Milton, FL

v. **Management Conference Meeting**

PPBEP's first annual Management Conference brings together stakeholders, committee members, and staff to collaboratively develop projects that support the implementation of the CCMP goals.

Register Now:

Lunch & Management Conference Meeting
Wednesday, April 13, 2022 from 11:00 AM – 4:00 PM
Sanders Beach- Corinne Jones Resource Center
913 South I Street, Pensacola, FL

Sunset Social
6:00 PM – 8:00 PM C.T.
Pensacola Bay Ferry
750 Commendencia Street, Pensacola, FL

• **Technical Update** (*Whitney Scheffel, Senior Scientist*)

i. **CCMP Development Status, Schedule, and Next Steps**

- The first CCMP draft has been distributed to selected editors in February of



- 2022. PPBEP has received and started incorporating the editors' feedback. A CCMP design consultant has been selected and the Management Conference Meeting is scheduled for April 13th.
 - PPBEP staff is currently working on the first draft of the technical characterizations and monitoring strategy. Staff are planning CCMP Engagements, set to be held in May of 2022.
 - The CCMP Timeline is still on track, with the CCMP being finalized in July of 2022. Following the CCMP completion, the State of the Bays report, and an associated Gala Fundraiser will finalize the CCMP process in August of 2022.
- **Outreach Update** (*Logan McDonald, Community Outreach Coordinator*)
 - i. **Community Grant Update**
 - The Perdido Key Coastal Demonstration Garden hosted a successful volunteer workday on January 29th to prepare the site for an upcoming planting event. The final planting event is scheduled for April 23rd, where volunteers will help plant native plants at the Perdido Key Community Center.
 - EscaRosa OysterCorps continues to collect recycled oyster shells from participating local seafood restaurants and grow marsh plants in their plant nursery. In March, OysterCorps members hosted a plant-splitting event with Pace High School Marine Science students. The students split *Spartina alterniflora* plants from the OysterCorps nurseries to bring back to their classroom and take care of.
 - The Town of Century has completed site mapping and an inventory for Fischer's Landing. Educational signage and a sedimentation study are underway. WRA (project contractor) partnered with St. Paul's and the Estuary Program to host a field trip for students to learn about the site and the watershed. Students visited Fischer's Landing and Project GreenShores in Pensacola Bay to compare the upper and lower portion of the watershed.
 - University of South Alabama's video sampling and processing on oyster reefs is complete. Data QA/QC is underway.
 - The UWF Historical Ecology team has been working to assess and digitize historical records in partnership with archive and archaeology faculty and staff. Presentations have been scheduled for April 5th-7th for the Florida Chapter of the American Fisheries Society, and April 29th for the UWF Biology Seminar. Events have been scheduled to engage the public on April 20th, time and location TBD, and May 10th, 6:00 PM – 8:00 PM C.T. at Odd Colony.
 - The Pensacola MESS Hall's Estuary Exhibit is now open. Staff visited the Estuary Exhibit in February to check out the new additions. The exhibit includes an augmented reality sandbox where children can explore how topographical changes affect river dynamics.
 - IHMC has developed its app. Recruitment and roll-out of the app are coming soon. IHMC partnered with the City of Pensacola for AR-enabled artworks at the Bayview Center. Plans for an AUV building are underway.
 - Santa Rosa County has created new watershed signage for 12 watersheds and installation is underway. Two outreach events are being scheduled at the Tiger Point Recreation Center and the Pace Recreation Center.



ii. Trash Free Waters (*Emerson Cheney, TFW Volunteer Coordinator*)

- The new year has brought 12 more dedicated volunteers to regularly help monitor the litter booms.
- Hurlburt Field volunteers visited the Jones Creek site and conducted a park-wide cleanup collecting 117 lbs. of trash in total.
- PPBEP is partnering with Visit Pensacola to schedule a cleanup of Jones Creek on May 5th as a National Travel and Tourism Week event.
- TFW curriculum was implemented in February at West Florida High School with Mr. MacGregor's Marine Science classes. The high school lessons consist of general watershed dynamics and the impacts of trash in our waterways. A mini case study activity was completed by the students for escaped trash on the West Florida High School campus. Students collected over 20 lbs. of trash in total and logged all their data using the Escaped Trash Assessment Protocol datasheet.
- Future TFW curriculum implementation is underway, including a tentative Pace High School presentation before the end of the 2021-22 school year and an elementary school field trip to Jones Creek with the Creative Learning Academy on April 8th.

iii. Internships

- PPBEP is offering three summer internships: Manatee Outreach Intern, Resilience Intern, and Development Intern. All summer internship positions will start in May.
- Staff plan to open three fall internships: Trash Free Waters Intern, Outreach Intern, and Research Intern.

iv. Events

Since January, PPBEP has hosted, planned, and partnered on several events.

February:

Oyster Lunch & Learn Webinar | PPBEP, SRC, TNC
Mardi Gras Bead Collection & Downtown Pensacola Tree Cleanup

March:

Balance on the Blackwater Kayak Tour | PPBEP, FPAN
Oyster Spat Array Deployment | FWC, PPBEP

April:

1st – Volunteer Month Appreciation Paddle, Escribano Point
16th – Women in Science Panel Participation, Blackwater River State Park
21st – Santa Rosa County Bay Day, Russell Herber Landing
22nd – TENTATIVE Orange Beach Earth Day Paddle
23rd – Pensacola Earth Day Fest & Paddle | City of Pensacola Parks & Rec
25th-28th – Gulf of Mexico Alliance Conference

May:

7th – Autism OdysSea | Navarre Beach Marine Science Station
10th – Episcopal School Field Trip, Naval Live Oaks | UF-IFAS, SeaGrant



Save the Date:

CCMP Public Engagements

May 12th, Thursday: Flood Resilience Workshop

5:30 PM – 7:30 PM

St. Michael's Brewery, Navarre, FL

Resiliency Goal

Partners: PLACE: SLR, Santa Rosa County, UF-IFAS

May 21st, Saturday: Oyster Reef Seining

9:00am – 11:00am

Navy Point, Pensacola

Fish & Wildlife, Habitat Goals

Partners: Escambia County

May 24th, Tuesday: Water Quality

5:30 PM – 7:30 PM

Orange Beach, AL (venue TBD)

Water Quality Goal

Partners: Orange Beach, TBD

May 26th, Thursday: Escambia River Documentary & Sediment Panel

5:30 PM – 7:30 PM

Imogene Theatre, Milton, FL

Sediment Goal

Partners: Blackwater Historical Society, Blackwater SWCD, The Longleaf Alliance, MSSTV

6. Action Items

- **Approval of Budget Amendment #1 to USEPA Agreement No. 01D08220 Trash Free Waters**
Commissioner Bergosh (Escambia County) made a motion to approve the TFW budget amendment. Vice Chair, Woody Speed (City of Orange Beach) seconded the motion. The motion passed unanimously.

7. Discussion Items

- **PPBEP Organizational Structure Update**
M. Posner updated the board on the status of the Independent Special District creation process. The Interlocal Agreement Renewal was approved in December of 2021. The Board Approval of Interlocal Agreement Revision was completed in March of 2022. The next action item is Board Approval of the Revised Bylaws with the deadline of May 2022.
 - i. **Estimated Administrative Costs**
Administrative support for the program has been estimated using costs from Tampa Bay Estuary Program and the Indian River Lagoon Council. Estimations on legal, auditing, accounting, and IT services have been compared and proposed. Both HR support and Procurement Services are proposed to be in-house services.



8. Committee Updates

- **Technical Committee Update** (*Whitney Scheffel, Senior Scientist*)
 - The Oyster subcommittee shared information on the partner presentations from the February meeting. Matthew Davis (FWC) presented project updates and information on the Florida Trustee Implementation Group Oyster Project. Ronnie Baker (USA/DISL) presented project goals and status for the fish video surveys of remnant and existing oyster reefs in East, Blackwater, and Escambia Bays. Jill Fleiger (FDACS) provided a high-level informational presentation about the water quality and shellfish harvesting area classification in Pensacola Bay.
 - PPBEP and partners applied for a B-WET grant to host teacher professional development and implement an oyster curriculum in Escambia and Santa Rosa County High Schools.
 - PPBEP is working with TNC and partners on the funding and implementation stages of the Oyster Restoration Management Plan. The next step in the process is to create a vision map of priority goals to create site selection decisions.

- **Education Committee Update** (*Chassidy Hobbs, UWF*)

UWF CETES students are working on programs with PPBEP including video support for events and the K-12 Trash Free Waters curriculum for implementation in the upcoming 2022-23 school year, stormwater mural projects for watershed outreach and education on the impacts of storm drain inputs, and a fundraising opportunity through local breweries holding a competition to create a bay-themed local brew and design.

- **Business Partnership Committee Update** (*Matt Posner, Director*)

M. Posner shared the upcoming Business Partnership event in Santa Rosa again.

9. Policy Board/Agency Updates

No Policy Board or Agency updates to share.

10. Public Comment

No public comments to share.

11. Adjourn



Policy Board Meeting Minutes

January 26, 2022, at 1:30 p.m. CT

Santa Rosa County Administrative Complex, BOCC Chambers
6495 Caroline Street, Milton, FL 32570

[Virtual Meeting Recording](#)

Members Present

Dave Piech, Chair	Santa Rosa County
Bob Cole	Santa Rosa County
Mike Norberg	Okaloosa County
Shannon Rice	City of Milton
Ben Boutwell	Town of Century
Jeff Bergosh	Escambia County
Ann Hill, ph	City of Pensacola
Dan Dealy, rep, ph	Baldwin County
Cherry Fitch, rep	City of Gulf Breeze

Member Absent

Robert Bender, Vice-Chair	Escambia County
Woody Speed	City of Orange Beach

Interested Parties Present

Matt Posner	PPBEP
Whitney Scheffel	PPBEP
Logan McDonald	PPBEP
Emerson Cheney	PPBEP
Haley Gancel	PPBEP
Madi Ross	PPBEP
Amanda Croteau	UWF
Amy Newbold	EPA
Anne Birch	TNC
Angela Underwood	Weeks Bay NERR
Ashley Campbell	Baldwin County
Barbara Albrecht	BFA/UWF
Casey Fulford	AACD
Chasidy Hobbs	UWF
Chips Kirschenfeld	Escambia County
Chris Verlinde	UF/IFAS, Sea Grant
Clare Davis	Community Member
Dana Morton	Escambia County
Darryl Boudreau	NWFWMD
Dottie Byron	DISL
Eric Schneider	ESA
Heather Patten	UWF CETES Student
Jessica Bibza	NWF



Kristin Bennett	TetraTech Inc.
Melissa Schumacher	UWF CETES Student
Naisy Dolar	Santa Rosa County
Paul Looney	WRA
Raylene Solis	UWF CETES Student
Samantha Bolduc	Escambia County
Shelley Alexander	Santa Rosa County
Tanya Linzy	Santa Rosa County
Wade Lehmann	EPA

1. Call to Order

2. Roll Call

3. Approval of December 1, 2021, Policy Board Minutes

Mike Norberg (Okaloosa County) made a motion to approve the December 1, 2021 meeting minutes. Mayor Boutwell (Town of Century) seconded the motion. The motion passed unanimously.

4. Staff Updates

• **Director's Update** (*Matt Posner, Executive Director*)

i. **Office Space**

The Estuary Program has moved their offices to Seville Tower. The arrival of office furniture was delayed but is scheduled to arrive in mid-February.

ii. **Legislative Update**

The Estuary Program's Florida State Appropriation request (HB3383/SB2320) is moving forward. Matt Posner visited Tallahassee to discuss progress with the northwest Florida legislative delegation. The appropriation would continue to support the program's Community Grant Program as well as the implementation of the Oyster Management Plan. The appropriations have passed the first phase in the House Subcommittee.

iii. **EPA Budget Amendment Update**

The EPA grant budget amendment has been approved by Escambia County BOCC and is currently awaiting final review by EPA.

• **Technical Update** (*Whitney Scheffel, Senior Scientist*)

i. **CCMP Development Status, Schedule, and Process Moving Forward**

- A final CCMP draft will be distributed to selected editors in February.
- The CCMP rollout and development timeline includes engagements such as a Management Conference Meeting in April, public comment events in May, and the "State of the Bays" reveal and fundraiser Gala in August.



ii. NOAA Actionable Science Seagrass Restoration & Resiliency Project

- The Estuary Program is partnering with Dr. Erin Cox and the University of New Orleans and Mississippi State University to develop a strategic plan for seagrass restoration considering seagrass resiliency to climate stress through genetic diversity. The project team has accomplished the following:
 - Conducted literature review
 - Conducted survey to gather feedback from community users, practitioners, and researchers on seagrass restoration, perceptions, and needs
 - Team meeting Thursday, Jan. 27th to discuss survey results
 - Upcoming Advisory Panel meeting in February
 - Planning for stakeholder workshop Spring 2022

iii. NFWF Emergency Coastal Resilience Fund Grant

- The Estuary Program provided feedback on The Nature Conservancy's NFWF ECRF Grant proposal for the restoration of Robinson Island in lower Perdido Bay.
- The project would complete design, permitting, and the implementation of the Robinson Island restoration plan.
- The restoration plan will increase island elevation, include marsh plantings and breakwater construction, balance human uses with conservation concepts, provide long-term management of the island, and implement the use of beneficial dredge material.

• **Outreach Update** (*Logan McDonald, Community Outreach Coordinator*)

i. Community Grant Update

- The Perdido Key Coastal Demonstration Garden has a volunteer workday planned for January 29th to prepare the site for an upcoming planting event.
- Santa Rosa County has created new watershed signage for 12 watersheds.
- EscaRosa OysterCorps continues to collect recycled oyster shells from participating local seafood restaurants and grow marsh plants in their plant nursery. In December, OysterCorps members participated in a training on how to build plastic-free oyster prisms for restoration sites, part of a state-wide initiative.
- The Pensacola MESS Hall's Estuary Exhibit is now open. The exhibit includes an augmented reality sandbox where children can explore how topographical changes affect water flow.
- The Town of Century has completed site mapping and an inventory for Fischer's Landing. Educational signage and a sedimentation study are underway. WRA (project contractor) is partnering with St. Paul's and the Estuary Program to host a field trip for students to learn about the site and the watershed. Students will visit Fischer's Landing and Pensacola Bay to compare the upper and lower portion of the watershed.
- IHMC has developed its app. Recruitment and roll-out of the app are coming



- soon.
 - The UWF Historical Ecology team has been working to assess and digitize historical records in partnership with archive and archaeology faculty and staff.
 - University of South Alabama's video sampling on oyster reefs is complete. The video processing is now underway.
- ii. **Biking for the Bays**
Logan McDonald biked 100 miles on Saturday, January 22nd to raise money for the Estuary Program's monitoring and education efforts. Over \$1,000 was raised and she expressed thanks for the generous donations.
- iii. **Orange Beach Seafood Festival**
PPBEP will participate in the Orange Beach Seafood Festival on February 19th with a general education booth and a fish printing station in the kid's area.
- iv. **Library Programming** (*Madi Ross, Community Outreach Assistant*)
- Madi Ross updated the Policy Board on the new library programming.
 - The West Florida Public Libraries are hosting an Ocean of Possibilities Summer Reading & Science Program that PPBEP will be participating in.
 - In June and July, the PPBEP will join the libraries and participating children for ocean-themed story time and activities to help educate youth throughout Escambia County.
- v. **Trash Free Waters** (*Emerson Cheney, TFW Volunteer Coordinator*)
- Since the Trash Free Waters project began in 2021, the Estuary Program has:
 - Engaged 146 volunteers and removed 3660 lbs. and approximately 344 cubic feet of trash from Carpenter, Pond, and Jones Creek.
 - Partnered with 15 different organizations to conduct cleanup events in each creek watershed.
 - Installed 6 floating litter capture booms to reduce the downstream flow of floatable trash.
 - Held 17 litter boom monitoring events to collect data about trash accumulating in the floating litter booms.
 - In the coming year, PPBEP will expand the TFW volunteer program and utilize the data collected during monitoring to inform the development of property trash reduction plans and other litter mitigation measures to reduce trash loading in the targeted watersheds.
 - The Program is continuing to develop the curriculum and will begin delivering lessons to high school students in Escambia and Santa Rosa County schools this spring.

5. Action Items (*Matt Posner, Director*)



- **Approval of Mississippi-Alabama Sea Grant Consortium Grant Agreement No. XXXXX, for \$28,496, for the Resilience Readiness Project**
Commissioner Cole (Santa Rosa County) made a motion to approve the contractual services agreements. Mike Norberg seconded the motion. The motion passed unanimously.

- **Approval of the following contractual services agreements:**
 - i. Contract with Dauphin Island Sea Lab, in the amount of \$60,000, for seagrass mapping in the Pensacola and Perdido Bay Systems
 - ii. Contract with the University of Southern Mississippi, in the amount of 50,000, for seagrass survey ground-truthing in the Pensacola and Perdido Bay Systems
 - iii. Contract with Dauphin Island Sea Lab, in the amount of \$15,000, for fish trawling surveys in the Pensacola and Perdido Bay Systems
 - iv. Contract with the University of Southern Mississippi, for \$50,000, to produce an oyster documentary
 - v. Contract with the University of West Florida, for \$75,000, for the Upper Watershed Streams Assessment
 - vi. Contract with Troy University, in the amount of \$30,000, to complete the Living Shoreline Suitability Model
 - vii. Amendment to idgroup's contract, for \$50,000, to aide with Estuary Program marketing
 - Dan Dealy (Baldwin County) asked if the fieldwork for the seagrass surveys is being extended since the proposal states monitoring occurred in the Fall of 2021. Matt Posner clarified that no work has started since the budget has not been approved yet. The proposal will be corrected to reflect the current year.
 - Mike Norberg (Okaloosa County) asked if PPBEP plans to coordinate with FWC for fish trawling surveys. Whitney Scheffel confirmed that staff will be in contact with FWC to collaborate on the survey to ensure there is not a duplication of effort.

Commissioner Bergosh (Escambia County) made a motion to approve the contractual services agreements. Mayor Fitch (City of Gulf Breeze) seconded the motion. The motion passed unanimously.

- **Selection of Policy Board Chair and Vice-Chair for 2022**
Commissioner Bergosh nominated Commissioner Bender (Escambia County) for the 2022 Chair position. Commissioner Cole seconded the nomination. Commissioner Bender was elected unanimously as Chair.
Commissioner Cole nominated Woody Speed (City of Orange Beach) for the 2022 Vice-Chair position. Commissioner Bergosh seconded the nomination. Woody Speed was elected unanimously as Vice-Chair.

6. Discussion Items

- **PPBEP Organizational Structure Update**
 - Staff have begun the process of transitioning PPBEP to an Independent Special District. The Special District will be non-taxing and non-regulatory. The Interlocal Agreement was renewed, and approval of an Interlocal Agreement revision is scheduled for March 2022. Staff will ensure that FDEO compliance standards are met.
 - Future administrative support for the program could be contracted out, provided as an in-kind



service from Interlocal Agreement partners, or supported by an MOU with a third-party institution, such as UWF. Further discussion will take place at the March Policy Board Meeting.

- Chair Piech requested that staff provide the Policy Board with current cost estimates for services (e.g., IT support, HR, legal) from Escambia County so Policy Board members can assess the workload that would be associated with providing in-kind services.

- **PPBEP Finance Strategy**

- PPBEP has established a Finance Sub-Committee. The first event will be held on March 24th in Pensacola at the PPBEP office, 226 S. Palafox Pl.
- Chair Piech suggested that the Finance Sub-Committee budget updates should be added to the agenda for future Policy Board meetings.
- M. Posner provided the Policy Board with suggested FY22-23 Local Government Contributions (totaling \$275,000 annually) to support operating costs that will also serve as a match for grant funds.
 - Commissioner Cole asked if in-kind contributions would be considered as a match for grant requests. Posner confirmed that in-kind could be used in this capacity.

7. Committee Updates

- **Technical Committee Update**

Technical Committee (TC) Chair Jessica Bibza (NWF) provided updates on the January 25th TC meeting. The meeting was well attended and included partner presentations from TNC on the Perdido Islands Management Plan, recent community survey, and upcoming projects and from Wood on the Carpenter Creek/Bayou Texar Watershed water quality and stream assessments. Also, the committee participants elected a new chair and vice-chair. The 2022 Chair is Paul Looney, Senior Environmental Scientist (WRA), and the Vice-Chair is Casey Fulford, Coastal Restoration Planner (AACD).

- **Education & Outreach Committee Update**

Education and Outreach (EOC) Chair Chasidy Hobbs (UWF) provided updates from the January 20th EOC meeting that included a presentation from a representative from the Scientist in Every Florida School (SEFS) program. The Program plans to partner with SEFS to implement teacher professional development training this summer. PPBEP is partnering with UWF CETES students to complete projects of interest related to storm drain marking, social media and marketing, and the development of a brewery proceeds program. Students will help with planning and implementation of new PPBEP programs that align with the CCMP goals. The EOC Committee voted to keep the current Chair and Vice-Chair for 2022, Chasidy Hobbs (UWF) and Carrie Stevenson (UF/IFAS Sea Grant). Chair Hobbs thanked Logan for Biking for the Bays and proposed expanding the fundraising event in future years. C. Hobbs also wanted to recognize and congratulate fellow EOC member Chris Verlinde (UF/IFAS Sea Grant) for being awarded the 2021 Outstanding Marine Educator Award from the Southern Association of Marine Educators.

- **Business Partnership Committee Update**

M. Posner updated the Policy Board on the Business Partnership Committee. The kick-off Business Partnership social is scheduled for February 24th at Perfect Plain Brewery at 5:30 pm and is being sponsored by WRA. Staff are recruiting more businesses and will schedule additional events across the watershed.



8. Policy Board/Agency Updates

- Commissioner Cole suggested Will Dunaway as a potential representative for pro-bono legal services and counsel for PPBEP. Commissioner Cole confirmed he would reach out to Mr. Dunaway. Commissioner Cole suggested that PPBEP provide board members with brochures to provide to interested parties that are looking to get involved and/or support the Program.
- Chair Piech announced that the Eglin Rapid Infiltration Basins (RIBs) Project is moving into the design phase soon in Santa Rosa County and a permit update from Eglin is expected this week that will move Holley-Navarre into the construction phase. The project will treat wastewater effluent in Holly-Navarre and Gulf Breeze.

9. Public Comment

Barbara Albrecht (BFA/UWF) asked for an update on the site of the Blackwater Wastewater Treatment project. Councilwoman Rice shared that the location for the RIBs will be discussed at the February Santa Rosa County BOCC.

10. Meeting Adjourned



Policy Board Minutes

September 1, 2021 at 1:30 p.m. CT

Escambia County BOCC Chambers

221 Palafox Pl, Pensacola FL 32502

[Zoom recording](#)

Members present

Dave Piech, Chair	Santa Rosa County
Robert Bender, Vice Chair	Escambia County
Bob Cole	Santa Rosa County
Doug Underhill	Escambia County
Mike Norberg, rep	Okaloosa County
Ann Hill	City of Pensacola
Woody Speed, rep	Orange Beach

Members absent

Shannon Rice	City of Milton
Ben Boutwell	Town of Century
JB Schluter	City of Gulf Breeze
Joe Davis	Baldwin County

Interested parties present

Donald Killorn	PPBEP
Whitney Scheffel	PPBEP
Logan McDonald	PPBEP
Emerson Cheney	PPBEP
Matt Posner	PPBEP/Escambia County
Sam Bolduc	Escambia County
Lee Yokel	Citizen
Amanda Croteau	UWF
Chasidy Hobbs	UWF
Amy Newbold	EPA
Ashley Campbell	Baldwin County
Beth Fugate	FDEP
Chris Verlinde	UF/IFAS, Sea Grant
Darryl Boudreau	NWFWMD
Haley Gancel	UF
Jessica Bibza	NWF
Kristin Bennet	TetraTech
Barbara Albrecht	BFA/AIMS/PWA/UWF



Naisy Dolar

Santa Rosa County

1. Call to Order

2. Roll Call

3. Approval of May 26, 2021 Policy Board Minutes

Commissioner Underhill made a motion to approve the May 26 Policy Board minutes as presented. Commissioner Bender seconded the motion, and the motion passed unanimously.

4. Approval of July 28, 2021 Policy Board Minutes

Commissioner Underhill made a motion to approve the July 28 Policy Board minutes as presented. Councilwoman Ann Hill seconded the motion and the motion passed unanimously.

5. Action Items

a. 2021-2022 PPBEP Community Grant Program Applications

- The State of Florida awarded \$250,000 to fund PPBEP's Community Grant Program. PPBEP received 27 applicants for the 2021/22 Community Grant funding cycle. A Community Grant Selection Team reviewed and provided a recommended proposal list to the Policy Board.
- Board members agreed to discuss each proposed project before making any motions to fund the projects. Board members discussed projects and consulted members of the Community Grant Selection Team to request clarification about certain projects' scope, impact, and relevance.
- Board members expressed hesitation about funding the project proposed by the Friends of Pensacola State Parks to increase signage in several state parks in Escambia County.
- Commissioner Cole made a motion to accept the recommendations from the Grant Selection Team and advise the Friends of Pensacola State Parks to emphasize outreach and education over signage. Commissioner Underhill seconded the motion for discussion and requested a friendly amendment to the motion, requiring the project to spend 80% or more of its budget on education and outreach programming. Commissioner Cole accepted the friendly amendment. The amended motion passed unanimously.
- The approve projects were:
 - Perdido Key Coastal Demonstration Garden, Escambia County Natural Resources, \$10,450
 - Estuary Exhibit, Pensacola MESS Hall, \$11,627
 - Historical Ecology of the Pensacola and Perdido Bays, University of West Florida, \$43,461
 - Perdido Key and Big Lagoon Educational Program, Friends of Pensacola State Parks, \$22,850 (pending 80% budget for direct education)
 - Citizen Science Water Quality and Habitat Monitoring Network, Institute for Human and Machine Cognition, \$49,830
 - Santa Rosa County Watershed Awareness Signage and Stormwater Drain Marking, Santa Rosa County, \$16,573
 - EscaRosa OysterCorps, Franklin's Promise (Conservation Corps of the Forgotten and Emerald Coasts), \$49,999
 - Fischer Landing Master Plan, Town of Century, \$45,210



- b. Adopt updated bylaws
 - Donald Killorn, Director, recommended the board approve several amendments to the PPBEP bylaws that would enable the Policy Board to create new subcommittees with closed membership as needed.
 - Commissioner Cole made a motion to adopt the amendments. Mike Norberg seconded the motion. The motion passed with a 6 to 1 vote.

- c. Approve EPA grant budget update, pending review by Finance Sub-Committee
 - Donald Killorn presented an updated EPA budget to the board. Mr. Killorn recommended the board approve the budget update for submittal to the EPA.
 - Commissioner Underhill moved to approve the budget update for submittal to the EPA. Commissioner Bender seconded the motion and the motion passed unanimously.

- d. Office lease at 226 S Palafox Street
 - PPBEP has secured approval from Escambia County's Facilities Department to lease office space on Palafox Street.
 - Mr. Killorn presented a term sheet for the proposed lease and recommended the board accept the lease terms.
 - Commissioner Cole moved to approve the lease term for discussion. Commissioner Bender seconded the motion.
 - Board members asked that staff work towards making the lease assignable to the PPBEP. The board also advised staff to ensure that the lessor be responsible for all necessary building maintenance, including HVAC.
 - After brief discussion, the motion was put to vote and passed unanimously.
 - The board requested that Mr. Killorn present a transition plan at the next meeting.

6. Public Comment

No public comments.

7. Adjourned

Meeting adjourned at 3:22pm CT. The Policy Board will meet next on Wednesday, September 29 at 1:30pm CT, in the Escambia County BOCC Chamber and virtually.



Policy Board Meeting Minutes

January 26, 2022, at 1:30 p.m. CT

Santa Rosa County Administrative Complex, BOCC Chambers
6495 Caroline Street, Milton, FL 32570

[Virtual Meeting Recording](#)

Members Present

Dave Piech, Chair	Santa Rosa County
Bob Cole	Santa Rosa County
Mike Norberg	Okaloosa County
Shannon Rice	City of Milton
Ben Boutwell	Town of Century
Jeff Bergosh	Escambia County
Ann Hill, ph	City of Pensacola
Dan Dealy, rep, ph	Baldwin County
Cherry Fitch, rep	City of Gulf Breeze

Member Absent

Robert Bender, Vice-Chair	Escambia County
Woody Speed	City of Orange Beach

Interested Parties Present

Matt Posner	PPBEP
Whitney Scheffel	PPBEP
Logan McDonald	PPBEP
Emerson Cheney	PPBEP
Haley Gancel	PPBEP
Madi Ross	PPBEP
Amanda Croteau	UWF
Amy Newbold	EPA
Anne Birch	TNC
Angela Underwood	Weeks Bay NERR
Ashley Campbell	Baldwin County
Barbara Albrecht	BFA/UWF
Casey Fulford	AACD
Chasidy Hobbs	UWF
Chips Kirschenfeld	Escambia County
Chris Verlinde	UF/IFAS, Sea Grant
Clare Davis	Community Member
Dana Morton	Escambia County
Darryl Boudreau	NFWFMD
Dottie Byron	DISL
Eric Schneider	ESA
Heather Patten	UWF CETES Student
Jessica Bibza	NWF



Kristin Bennett	TetraTech Inc.
Melissa Schumacher	UWF CETES Student
Naisy Dolar	Santa Rosa County
Paul Looney	WRA
Raylene Solis	UWF CETES Student
Samantha Bolduc	Escambia County
Shelley Alexander	Santa Rosa County
Tanya Linzy	Santa Rosa County
Wade Lehmann	EPA

1. Call to Order

2. Roll Call

3. Approval of December 1, 2021, Policy Board Minutes

Mike Norberg (Okaloosa County) made a motion to approve the December 1, 2021 meeting minutes. Mayor Boutwell (Town of Century) seconded the motion. The motion passed unanimously.

4. Staff Updates

• **Director's Update** (*Matt Posner, Executive Director*)

i. **Office Space**

The Estuary Program has moved their offices to Seville Tower. The arrival of office furniture was delayed but is scheduled to arrive in mid-February.

ii. **Legislative Update**

The Estuary Program's Florida State Appropriation request (HB3383/SB2320) is moving forward. Matt Posner visited Tallahassee to discuss progress with the northwest Florida legislative delegation. The appropriation would continue to support the program's Community Grant Program as well as the implementation of the Oyster Management Plan. The appropriations have passed the first phase in the House Subcommittee.

iii. **EPA Budget Amendment Update**

The EPA grant budget amendment has been approved by Escambia County BOCC and is currently awaiting final review by EPA.

• **Technical Update** (*Whitney Scheffel, Senior Scientist*)

i. **CCMP Development Status, Schedule, and Process Moving Forward**

- A final CCMP draft will be distributed to selected editors in February.
- The CCMP rollout and development timeline includes engagements such as a Management Conference Meeting in April, public comment events in May, and the "State of the Bays" reveal and fundraiser Gala in August.



ii. NOAA Actionable Science Seagrass Restoration & Resiliency Project

- The Estuary Program is partnering with Dr. Erin Cox and the University of New Orleans and Mississippi State University to develop a strategic plan for seagrass restoration considering seagrass resiliency to climate stress through genetic diversity. The project team has accomplished the following:
 - Conducted literature review
 - Conducted survey to gather feedback from community users, practitioners, and researchers on seagrass restoration, perceptions, and needs
 - Team meeting Thursday, Jan. 27th to discuss survey results
 - Upcoming Advisory Panel meeting in February
 - Planning for stakeholder workshop Spring 2022

iii. NFWF Emergency Coastal Resilience Fund Grant

- The Estuary Program provided feedback on The Nature Conservancy's NFWF ECRF Grant proposal for the restoration of Robinson Island in lower Perdido Bay.
- The project would complete design, permitting, and the implementation of the Robinson Island restoration plan.
- The restoration plan will increase island elevation, include marsh plantings and breakwater construction, balance human uses with conservation concepts, provide long-term management of the island, and implement the use of beneficial dredge material.

• **Outreach Update** (*Logan McDonald, Community Outreach Coordinator*)

i. Community Grant Update

- The Perdido Key Coastal Demonstration Garden has a volunteer workday planned for January 29th to prepare the site for an upcoming planting event.
- Santa Rosa County has created new watershed signage for 12 watersheds.
- EscaRosa OysterCorps continues to collect recycled oyster shells from participating local seafood restaurants and grow marsh plants in their plant nursery. In December, OysterCorps members participated in a training on how to build plastic-free oyster prisms for restoration sites, part of a state-wide initiative.
- The Pensacola MESS Hall's Estuary Exhibit is now open. The exhibit includes an augmented reality sandbox where children can explore how topographical changes affect water flow.
- The Town of Century has completed site mapping and an inventory for Fischer's Landing. Educational signage and a sedimentation study are underway. WRA (project contractor) is partnering with St. Paul's and the Estuary Program to host a field trip for students to learn about the site and the watershed. Students will visit Fischer's Landing and Pensacola Bay to compare the upper and lower portion of the watershed.
- IHMC has developed its app. Recruitment and roll-out of the app are coming



- soon.
- The UWF Historical Ecology team has been working to assess and digitize historical records in partnership with archive and archaeology faculty and staff.
 - University of South Alabama's video sampling on oyster reefs is complete. The video processing is now underway.
- ii. **Biking for the Bays**
Logan McDonald biked 100 miles on Saturday, January 22nd to raise money for the Estuary Program's monitoring and education efforts. Over \$1,000 was raised and she expressed thanks for the generous donations.
- iii. **Orange Beach Seafood Festival**
PPBEP will participate in the Orange Beach Seafood Festival on February 19th with a general education booth and a fish printing station in the kid's area.
- iv. **Library Programming** (*Madi Ross, Community Outreach Assistant*)
- Madi Ross updated the Policy Board on the new library programming.
 - The West Florida Public Libraries are hosting an Ocean of Possibilities Summer Reading & Science Program that PPBEP will be participating in.
 - In June and July, the PPBEP will join the libraries and participating children for ocean-themed story time and activities to help educate youth throughout Escambia County.
- v. **Trash Free Waters** (*Emerson Cheney, TFW Volunteer Coordinator*)
- Since the Trash Free Waters project began in 2021, the Estuary Program has:
 - Engaged 146 volunteers and removed 3660 lbs. and approximately 344 cubic feet of trash from Carpenter, Pond, and Jones Creek.
 - Partnered with 15 different organizations to conduct cleanup events in each creek watershed.
 - Installed 6 floating litter capture booms to reduce the downstream flow of floatable trash.
 - Held 17 litter boom monitoring events to collect data about trash accumulating in the floating litter booms.
 - In the coming year, PPBEP will expand the TFW volunteer program and utilize the data collected during monitoring to inform the development of property trash reduction plans and other litter mitigation measures to reduce trash loading in the targeted watersheds.
 - The Program is continuing to develop the curriculum and will begin delivering lessons to high school students in Escambia and Santa Rosa County schools this spring.

5. **Action Items** (*Matt Posner, Director*)



- **Approval of Mississippi-Alabama Sea Grant Consortium Grant Agreement No. XXXXX, for \$28,496, for the Resilience Readiness Project**
Commissioner Cole (Santa Rosa County) made a motion to approve the contractual services agreements. Mike Norberg seconded the motion. The motion passed unanimously.
- **Approval of the following contractual services agreements:**
 - i. Contract with Dauphin Island Sea Lab, in the amount of \$60,000, for seagrass mapping in the Pensacola and Perdido Bay Systems
 - ii. Contract with the University of Southern Mississippi, in the amount of 50,000, for seagrass survey ground-truthing in the Pensacola and Perdido Bay Systems
 - iii. Contract with Dauphin Island Sea Lab, in the amount of \$15,000, for fish trawling surveys in the Pensacola and Perdido Bay Systems
 - iv. Contract with the University of Southern Mississippi, for \$50,000, to produce an oyster documentary
 - v. Contract with the University of West Florida, for \$75,000, for the Upper Watershed Streams Assessment
 - vi. Contract with Troy University, in the amount of \$30,000, to complete the Living Shoreline Suitability Model
 - vii. Amendment to idgroup's contract, for \$50,000, to aide with Estuary Program marketing
 - Dan Dealy (Baldwin County) asked if the fieldwork for the seagrass surveys is being extended since the proposal states monitoring occurred in the Fall of 2021. Matt Posner clarified that no work has started since the budget has not been approved yet. The proposal will be corrected to reflect the current year.
 - Mike Norberg (Okaloosa County) asked if PPBEP plans to coordinate with FWC for fish trawling surveys. Whitney Scheffel confirmed that staff will be in contact with FWC to collaborate on the survey to ensure there is not a duplication of effort.

Commissioner Bergosh (Escambia County) made a motion to approve the contractual services agreements. Mayor Fitch (City of Gulf Breeze) seconded the motion. The motion passed unanimously.

- **Selection of Policy Board Chair and Vice-Chair for 2022**
Commissioner Bergosh nominated Commissioner Bender (Escambia County) for the 2022 Chair position. Commissioner Cole seconded the nomination. Commissioner Bender was elected unanimously as Chair.
Commissioner Cole nominated Woody Speed (City of Orange Beach) for the 2022 Vice-Chair position. Commissioner Bergosh seconded the nomination. Woody Speed was elected unanimously as Vice-Chair.

6. Discussion Items

- **PPBEP Organizational Structure Update**
 - Staff have begun the process of transitioning PPBEP to an Independent Special District. The Special District will be non-taxing and non-regulatory. The Interlocal Agreement was renewed, and approval of an Interlocal Agreement revision is scheduled for March 2022. Staff will ensure that FDEO compliance standards are met.
 - Future administrative support for the program could be contracted out, provided as an in-kind



service from Interlocal Agreement partners, or supported by an MOU with a third-party institution, such as UWF. Further discussion will take place at the March Policy Board Meeting.

- Chair Piech requested that staff provide the Policy Board with current cost estimates for services (e.g., IT support, HR, legal) from Escambia County so Policy Board members can assess the workload that would be associated with providing in-kind services.

- **PPBEP Finance Strategy**

- PPBEP has established a Finance Sub-Committee. The first event will be held on February 24th in Pensacola.
- Chair Piech suggested that the Finance Sub-Committee budget updates should be added to the agenda for future Policy Board meetings.
- M. Posner provided the Policy Board with suggested FY22-23 Local Government Contributions (totaling \$275,000 annually) to support operating costs that will also serve as a match for grant funds.
 - Commissioner Cole asked if in-kind contributions would be considered as a match for grant requests. Posner confirmed that in-kind could be used in this capacity.

7. Committee Updates

- **Technical Committee Update**

Technical Committee (TC) Chair Jessica Bibza (NWF) provided updates on the January 25th TC meeting. The meeting was well attended and included partner presentations from TNC on the Perdido Islands Management Plan, recent community survey, and upcoming projects and from Wood on the Carpenter Creek/Bayou Texar Watershed water quality and stream assessments. Also, the committee participants elected a new chair and vice-chair. The 2022 Chair is Paul Looney, Senior Environmental Scientist (WRA), and the Vice-Chair is Casey Fulford, Coastal Restoration Planner (AACD).

- **Education & Outreach Committee Update**

Education and Outreach (EOC) Chair Chasidy Hobbs (UWF) provided updates from the January 20th EOC meeting that included a presentation from a representative from the Scientist in Every Florida School (SEFS) program. The Program plans to partner with SEFS to implement teacher professional development training this summer. PPBEP is partnering with UWF CETES students to complete projects of interest related to storm drain marking, social media and marketing, and the development of a brewery proceeds program. Students will help with planning and implementation of new PPBEP programs that align with the CCMP goals. The EOC Committee voted to keep the current Chair and Vice-Chair for 2022, Chasidy Hobbs (UWF) and Carrie Stevenson (UF/IFAS Sea Grant). Chair Hobbs thanked Logan for Biking for the Bays and proposed expanding the fundraising event in future years. C. Hobbs also wanted to recognize and congratulate fellow EOC member Chris Verlinde (UF/IFAS Sea Grant) for being awarded the 2021 Outstanding Marine Educator Award from the Southern Association of Marine Educators.

- **Business Partnership Committee Update**

M. Posner updated the Policy Board on the Business Partnership Committee. The kick-off Business Partnership social is scheduled for February 24th at Perfect Plain Brewery at 5:30 pm and is being sponsored by WRA. Staff are recruiting more businesses and will schedule additional events across the watershed.



8. Policy Board/Agency Updates

- Commissioner Cole suggested Will Dunaway as a potential representative for pro-bono legal services and counsel for PPBEP. Commissioner Cole confirmed he would reach out to Mr. Dunaway. Commissioner Cole suggested that PPBEP provide board members with brochures to provide to interested parties that are looking to get involved and/or support the Program.
- Chair Piech announced that the Eglin Rapid Infiltration Basins (RIBs) Project is moving into the design phase soon in Santa Rosa County and a permit update from Eglin is expected this week that will move Holley-Navarre into the construction phase. The project will treat wastewater effluent in Holly-Navarre and Gulf Breeze.

9. Public Comment

Barbara Albrecht (BFA/UWF) asked for an update on the site of the Blackwater Wastewater Treatment project. Councilwoman Rice shared that the location for the RIBs will be discussed at the February Santa Rosa County BOCC.

10. Meeting Adjourned



Dave Piech, Chair
Robert Bender, Vice Chair

PPBEP Policy Board Minutes

May 26, 2021 at 1:30 p.m. CT
Orange Beach Council Chambers

[Recording Link](#)

Members Present

David Piech	Santa Rosa County
Robert Bender	Escambia County
Doug Underhill	Escambia County
Woody Speed	City of Orange Beach
Benjamin Boutwell	Town of Century
Shannon Rice	City of Milton
Mike Norberg	Okaloosa County
Dan Dealy, proxy	Baldwin County
Ann Hill, ph.	City of Pensacola
Bob Cole, ph.	Santa Rosa County

Members Absent

J.B. Schluter	City of Gulf Breeze
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Agencies and Interested Parties Present

Donald Killorn	PPBEP
Logan McDonald	PPBEP
Whitney Scheffel	PPBEP
Emerson Cheney	PPBEP
Chris Verlinde	UF/IFAS Santa Rosa
Chips Kirschenfeld	Escambia County
Samantha Bolduc	Escambia County
Matt Posner	Escambia County/PPBEP
Brent Wipf	Escambia County
Barbara Albrecht	BFA/UWF/PWA
Caitlin Crocker	UF
Jessica Bibza	NWF
Kristin Bennett	TetraTech
Marcy Frick	TetraTech
Louviminda Donado	FDOH
Matt Wachob	UF
Naisy Dolar	Santa Rosa County
Tanya Linzy	Santa Rosa County
Shelley Alexander	Santa Rosa County
Paul Looney	WRA Engineering
Darryl Boudreau	NWFWMD
Ashley Campbell	Baldwin County

1. Call to Order

2. Roll Call

3. Approval of March 31, 2021 Policy Board Minutes

Mayor Boutwell made a motion to approve the March 31, 2021 meeting minutes. Commissioner Bender seconded the motion. The motion passed unanimously.

4. Staff Updates

a. Financial update

- The Estuary Program continues to run under budget.
- The Program has spent 45% of its annual budget for FY 2021. PPBEP Executive Director, Donald Killorn, stated that the Estuary Program is in stable financial condition and will employ the help of a finance sub-committee to ensure that all funds are spent prior to the December 2022 deadline.

b. Human resources update

- The Environmental Science position is expected to be posted during the week of May 31, 2021 following final approval by Escambia County HR.
- The Community Outreach Assistant position is in the “class and compensation” stage at Escambia County HR. PPBEP staff expects that position to be posted in a few weeks.
- Each new position will be open for 30 days. Program staff will then review application materials, conduct interviews, and proceed with the selection process.

c. Project update

i. CCMP

- PPBEP Senior Scientist, Whitney Scheffel, shared an update on CCMP development.
- An initial draft of the CCMP will be presented in September for committee feedback. Program staff will coordinate with existing partners in an effort to align the CCMP with information gathered during workshops and meetings.
- The Policy Board held general discussion concerning the timeline of CCMP development moving forward.

ii. State appropriation

- The 2020-2021 state appropriation funded 10 projects as part of the Program’s inaugural Community Grant Program. In addition, the funding supported two baseline environmental condition assessments, National Coastal Condition Assessment (NCCA) & the National Wetland Condition Assessment (NWCA). Mrs. Scheffel and program partners (EPA, Escambia County, FWC, UWF) will be conducting surveys this summer (May – June). Data from these efforts will inform the PPBEP “State of the Bays” report and will support the actions and objectives highlighted in the CCMP action plan.
- A \$250,000 state appropriation is awaiting the governor’s approval which is expected by June 30th (*since received Governor’s approval*). The 2021 Florida state appropriation is expected to support another year of the Community Grant Program.

iii. Trash Free Waters

- PPBEP Volunteer Coordinator, Emerson Cheney, shared that the Program’s Trash Free Waters project is underway with an initial cleanup scheduled for Saturday, June 19th at 9:00 AM at Lexington Terrace Park (**since postponed to Saturday, July 31st due to storms*).
- Anyone interested in participating in the cleanup event is encouraged to join program staff and partners at the event. Those who are interested, please contact Emerson Cheney, edcheney@myescambia.com, for more information, or visit the PPBEP

website at <https://www.ppbe.org/get-involved>.

- Program staff made the Board aware that Escambia County had hesitations about the ability for minors to participate in the cleanup event from a liability standpoint. Escambia County commissioners encouraged staff to continue to coordinate with the risk management department to allow students to get involved in the project.

d. Outreach update

i. Public events summary

- Community Outreach Coordinator, Logan McDonald, spoke to the board about recent and upcoming community outreach events.

ii. Community values survey

- Logan McDonald shared preliminary results from the community values survey.
- Once finalized, the final survey report will be shared with Board members and community stakeholders.

e. Bayou Marcus Creek/Perdido Bay Update

- Logan McDonald presented an update on the Bayou Marcus sanitary sewage overflow (SSO). PPBEP staff worked to ensure that data from the event was made public and plan to coordinate with ECUA, DEP, ADOH, and FDOH to establish a data pathway so that critical information from emergency response events can be quickly acquired and effectively shared with the public in a timely and consistent manner.

5. Action Items

a. Establish PPBEP Finance Committee

- Donald Killorn gave the board an overview of the structure and duties of the proposed Finance Sub-Committee that will help revise and oversee the budget of the Program's EPA grant.
- As per board discussion, the Finance Sub-Committee will be a standing sub-committee of the Policy Board comprised of interested members of the Policy Board with four additional external members added by invitation. The Executive Director will be an advisor, but not a member, of the sub-committee. The chair will be a member of the Policy Board.
- Commissioner Underhill made a motion to establish the PPBEP Finance Sub-Committee according to the modifications made by Chair Piech. Commissioner Bender seconded the motion and the motion passed unanimously.
- The Board instructed PPBEP staff to present a revision to the by-laws to allow the establishment of the sub-committee at the next Policy Board meeting.

6. Discussion Items

a. PPBEP office space update

- Donald Killorn gave a summary of the progress that has been made to acquire a lease for office space for Estuary Program operations.
- The Policy Board discussed general office leasing considerations and Councilwoman Shannon Rice offered feedback as a leasing expert.
- Dan Dealy made a motion to authorize the Executive Director to establish a leasing agreement with necessary office expenses that are not to exceed \$7,000 per month. Commissioner Bender seconded the motion and the motion passed unanimously.

b. PPBEP insurance coverage update

- PPBEP will continue to pursue insurance coverage if office space is secured. Commissioner Bender will continue to assist the Program in identifying adequate coverage.

c. Oyster Sub-Committee Overview

- Donald Killorn shared an overview of the Oyster Sub-Committee that was previously requested by the Board.

d. Youth Advisory Committee

- PPBEP plans to explore opportunities to establish a future Youth Advisory Committee to support and advise the Program.

7. Committee Updates

a. Technical Committee update

- Jessica Bibza, NWF, shared a Technical Committee (TC) meeting update.
- TC members reviewed workshop outputs that Program staff conducted in partnership with UF/UWF partners from Feb - April that will be incorporated into the CCMP Action Plan.
- Kate Dawson, Moffat and Nichol, presented an update on the Lower Perdido Islands Restoration project and shared the fact that they are still in the process of conducting assessments and receiving public input to further inform the management plan.
- Ashley Campbell, Baldwin County, presented on updates on watershed planning and shared a video produced by Mobile Bay NEP and partners on successful sediment remediation projects completed in the D'Olive Bay watershed.

b. Education Committee update

- The next regular committee meeting will be held in July. The committee is working to develop a watershed tour project and community engagement events for National Estuaries Week (September).

c. Business Partnership Committee update

- Donald Killorn asked board members to provide names of business leaders that could be engaged through the Program's Business Partnership Committee.

8. Policy Board/Agency Updates

9. Public Comment

10. Adjourn



Appendix A-14

Public Involvement Participation Eastern Shore MS4 & Joint EAC/EAB Meetings



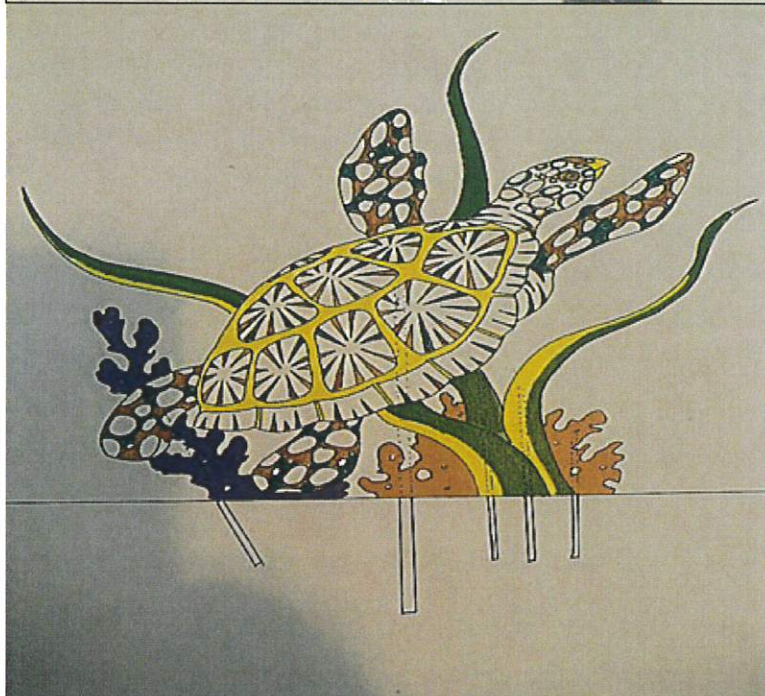
BALDWIN

COUNTY, ALABAMA

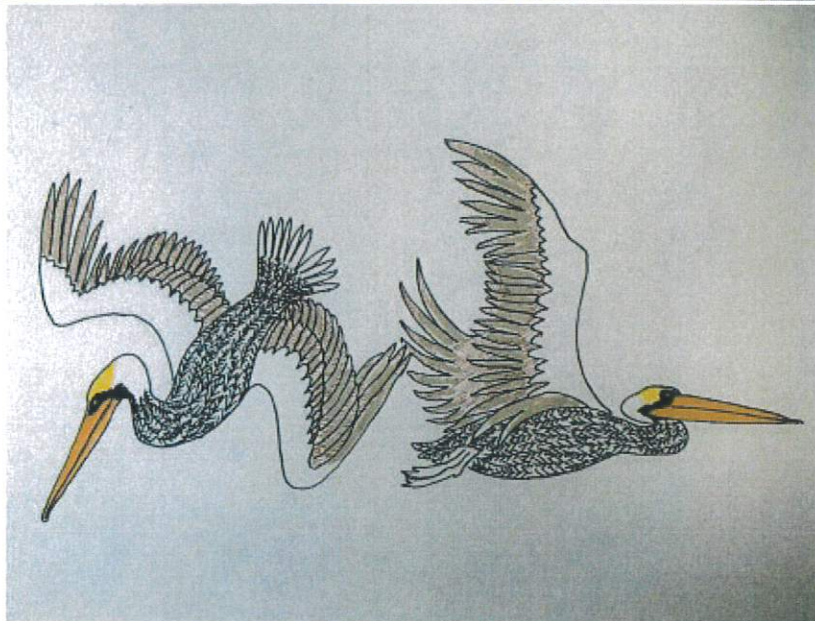


ES MS4 Meeting
Meeting Minutes
March 3, 2022, 10:00 AM
Fairhope Satellite Office

- 1) The meeting was called to order at 10:00 am
- 2) Attendance:
 - ALDOT Jason Shaw, ALDOT-SW Region-Maintenance Engineer
 Jason White, ALDOT-SW Environmental Coordinator
 - Fairhope: Kim Burmiester-City of Fairhope Code Enforcement
 - Daphne: Tim White-Daphne Daphne Environmental Program's Manager
 - County: Ashley Campbell-BC Natural Resource Planner-EAC Secretary
 - Spanish Fort: Casey Rains, Environmental Manager,
- 3) MS4 Discussion
 - A. ALDOT-Jason Shaw introduced Jason White, the new Environmental Coordinator for ALDOT. Jason requested to be added to all the ES MS4 events. Jason discussed the following:
 - Stormwater outfall mapping. Outfall definitions were discussed. The group discussed the opportunity to streamline ES MS4s outfall process and sharing GPS data.
 - Ashley asked Jason Shaw about placing Magnolia Watershed signage along ALDOT right of way. Jason agreed to help the County in the placement of watershed signs. The group discuss partnering in purchasing and installing watershed sign for the Fly Creek Watershed.
 - Workshops and other public education and outreach handle by Scott Rogers with Alabama Stormwater Association.
 - ADEM's litter statue design and locations
 - Proposed Footprint locations for each project site and conceptual sketches are illustrated below.
 - Artist/Constructor tentatively plans to begin the Grand Bay sculpture erection process at the beginning of April '22. Baldwin County installation schedule has not yet been discussed but is anticipated to occur sometime FY'22.



Grand Bay Welcome Center



Alabama-Florida Welcome Center

- B. Spanish Fort-Casey Rains discussed the following:
- Baldwin County's EMA's County Wide GIS Meetings. He felt that the effort could possible complement our MS4 outfall mapping efforts.
 - He mentioned that the city had purchased a storm drain camera for inspecting storm drains.
 - 12th Annual Woods and Water Expo April 28-30-The mission of the Delta Woods & Waters Expo is to promote responsible and enjoyable outdoor recreational experiences through a fun and educational event.

C. Daphne-Tim discussed the following:

- Low Impact Development requirement of the MS4 permit
- Outfall inspections
- Jubilee Festival-Fall
- Gator Board Walk-Ashley mentioned the possibility of the ES MS4s partnering on board walk on the Forever Wild land below Daphne's Scenic Overlook.

D. Fairhope-Kim discussed the following:

- Fairhope's use of Survey 123 for outfall mapping and inspection
- Fairhope's current SWMMP and MS4 Annual Report are online
- Earth Day-April 23rd-City of Fairhope Booth and Watershed Wagon
- Gully and bluff protection and restoration-The need for a brochure on the topic how to protect and restore your backyard gully or bluff.
- Eastern Shore (Fly Creek) Watershed Management Plan
- Storm drain markers displaying school artwork (*Attachment-1 Brochure*).

E. Baldwin County-Ashley discussed the following items:

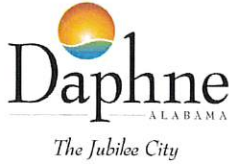
- Wetland Plant Class at Graham Creek May9-11th
- Osprey Initiative-Styx River trash removal and education outreach program
- Household Hazardous Waste Day Saturday, April 23rd (*Attachment-2 Flyer*)
Ashley agreed to send out a list of the items taken and quantities for the event.
 - a. Eastfork Landfill
17917 CC Road
Elberta, AL 36530
 - b. Bay Minette Transfer Station
43205 Nicholville Road
Bay Minette, AL 36507
 - c. Magnolia Landfill
15093 Landfill Drive
Summerdale, AL 36580
 - d. McBride Landfill
26941 McBride Road
Loxley, AL 36551
- Watershed Signage
 - a. Fly Creek-Potential for MS4 partnerships
 - b. Fish River-Replace the Weeks Bay Watershed Signs
- Recycle Materials Repurpose Facility (MRP)
 - a. Current and Future Needs Study
 - b. Construction Plans completed by Fall

c. Green Field Gas Project

- American Electric Power Renewables Fuels, LLC (AEP) will construct a 14,040 sq. ft. greenfield gas cleanup facility at the Magnolia Landfill and 4 additional LFG vertical wells to the existing Landfill Gas (LFG) Collection System to enhance production.
 - Currently, the biomethane generated by the Magnolia Landfill is being centrally gathered and then flared to avoid emission into the atmosphere. This is required by EPA regulations for landfills over a certain size due to the highly potent greenhouse gas designation of biomethane with between 24-32x the warming potential when compared to carbon dioxide.
 - The cleaned LFG will achieve a 98% pure methane stream that can be injected into a nearby natural gas pipeline owned and operated by Riviera Utilities that runs 2.92 miles from the Magnolia Landfill at a designated interconnect point (the "Interconnect").
 - The Project will divert 241,677 mmBtu per year from flaring at the Magnolia Landfill, which is the equivalent of removing 2,865 cars from the road each year. Total plant emissions will be far below all EPA air emission thresholds.
 - When factoring items such as the Project's ultra-low emissions and offsets of carbon dioxide from avoiding the use of fossil fuels, this type of project is known as having a neutral carbon footprint.
- 4) The next, 2023, MS4 audit was discussed.
- 5) The group discussed scheduling two meetings a year. The next meeting will be scheduled in the fall, maybe August.
- 6) The meeting was adjourned at 12:00p.m.



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Joint Environmental Advisory Committees/Board

Meeting Minutes

March 3, 2022, 9:00 AM
Fairhope Satellite Office

1. Call to Order

2. Attendance & Introductions

Fairhope	Kim Burmiester-City of Fairhope Code Enforcement Gary Gover-Fairhope Environmental Advisory Board (EAB) Chair Amy Paulson-Fairhope EAB-Co-Chairman
Daphne	Tim White-Daphne Daphne Environmental Program's Manager Cathy Barnette-Daphne Environmental Advisory Committee (EAC) Member
County	Brett Gaar-BC Environmental Advisory Committee (EAC) Chair Ashley Campbell-BC Natural Resource Planner-EAC Secretary

3. A discussion was held regarding the difference between a committee and board. Baldwin County and Daphne have advisory committees while Fairhope has environmental board. Both are advisory groups, but a board is held to stricter standards for public notice requirements. The conversation concluded with each party satisfied with their status. Fairhope may contact their attorney to review the matter.

4. EAC/EAB 2022 Priorities

- a. **Fairhope EAB**-Amy presented the EAB Board's 2022 EAB Organization & Priorities document. A discussion was held regarding the document and whether the city adopted the document or was it an advisory document. Gary stated that he would like to see the group partner on wetland protection through similar wetland regulations. He also mentioned Fairhope's effort to create greenways throughout the city. The group discussed the fact that each entity was working on their master planning process and there may be an opportunity to join in the effort. Kim invited the group members to the City of Fairhope's Master Plan meeting at the Nix Center on March 8th from 5:30 to 7:30 p.m.
- b. **Daphne EAC**- Tim and Cathy mentioned Daphne's EAC working on wetland protection, Master Planning, and the Flood Wise Program. Tim discussed the Lake Forest Lake project and prioritizing grant funds. Tim and Cathy also discussed that a goal for 2022 was to compile a list of topics and projects from each member of the EAC.

- c. **Baldwin County EAC**-Brett mentioned that the county's EAC and its subcommittees were working on the following:
 - i. Annual Environmental Stewardship Awards
 - ii. EAC Farmland Subcommittee-Farmland Protection District
 - iii. EAC Water Quality Subcommittee-A County wide water quality monitoring program
 - iv. EAC Dirt Road Subcommittee-Updating Baldwin County's list of *the 25 Most Environmental Damaging Dirt Roads of Baldwin County*.
 - v. EAC Ordinance Review Subcommittee-review updates to the County's Zoning and Subdivision ordinance updates.
5. Potential Future Partnerships
 - a. The group felt like wetlands and ordinance (regulation) consistency were two main items that could be improved through a continued joint environmental advisory meeting.
 - b. The group agreed to continue quarterly meetings with the small group and an annual meeting with all members of each committee/board in the fall.
 - c. Amy Paulson agreed to serve as the group chair and Ashley, Tim and Kim agreed to share the duties of recording the meeting summary/minutes.
6. The meeting adjourned at 11:00 a.m.



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BALDWIN

— COUNTY, ALABAMA —

Planning & Zoning & Highway

MEETING AGENDA

February 1, 2022

Baldwin County Central Annex

-
- 1) Planning & Zoning's Site Plan and Land Disturbance Permits
 - a. Permit Issuance Procedures Zoned vs Un-zoned
 - b. Wetland Reviews/USACE Permits/ Baldwin County Variance
 - c. Turnout permit submittal
 - d. Owners are installing culverts without land disturbance permits
 - e. Citizen Serve
 - 2) Highway's Right of Way Permit Issuance
 - a. Permit Issuance Procedures Zoned vs Un-zoned
 - b. Wetland Review-Does highway perform a wetland review?
 - c. License agreements-language regarding land disturbance permits





Appendix B-1

2.4 Illicit Discharge, Detection & Elimination



Appendix B-2

2.4.1 Screened Outfalls

2021 Completed

2021
Baldwin County
MS4 Outfall Inspections
NPDES Permit No. ALR040042

Planning & Zoning
Natural Resource Planner

SWOF 1-Fish River



IMG_403-View Upstream Flow Present



IMG_407-View Upstream Drain Clogged with Debris



IMG_SWOF 1 View Downstream Submerged



IMG_0412-View Upstream Debris Removed

SWOF 2-Corn Branch



IMG_0389-View Upstream



IMG_0395-View North Culvert



IMG_0397-View Downstream



IMG_0400-View Downstream

SWOF-3 Cowpen Creek



IMG_0538-View Downstream Facing North



IMG_0541-View Facing West Debris Noted



IMG_0542-View Facing West Debris Removed



IMG_0539-View Facing South

SWOF 4-Point Clear Creek



IMG_0581-View Upstream

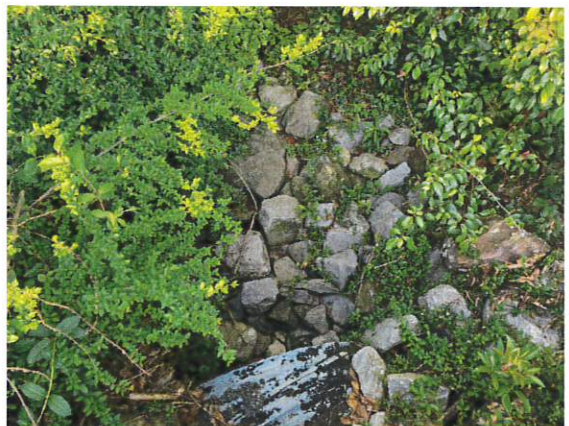


IMG_0583-View Downstream Pond

SWOF-5-Cowpen Creek



IMG_0550-View Upstream

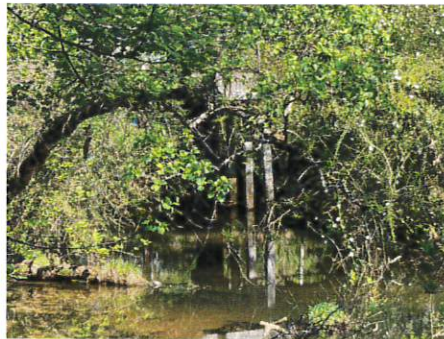


IMG_0546-View Downstream

SWOF-7 Rock Creek



IMG_0456-View Upstream



IMG_0451-View Downstream



IMG_0468-View Downstream

SWOF-8 Turkey Branch



IMG_0414-View Upstream



IMG_0416-View Upstream Looking at Bridge



IMG_0418-View Downstream



IMG_0427-View Downstream

SWOF-9 Red Gulley



IMG_0444-View Upstream



IMG_0447-View Downstream

SWOF-10 Fly Creek



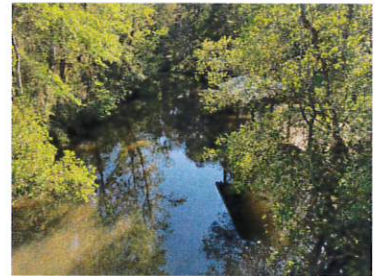
IMG_0472 – View Upstream



IMG_0481-View Upstream



IMG_0475 –View Downstream



IMG_0485-View Downstream,

SWOF-11 Cowpen Creek



IMG_0518-View Upstream



IMG_0522-View Upstream



IMG_0527-View Downstream



IMG_0531-View Downstream

SWOF-12 Point Clear Creek



IMG_0575-View Upstream



IMG_0576-View Upstream

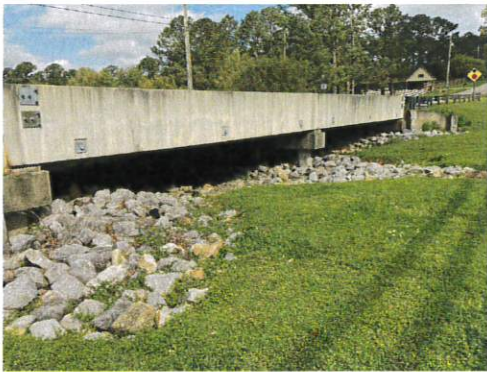


IMG_0577-View Downstream at Pond



IMG_0578-View Downstream

SWOF-13 Bailey Creek



IMG_0571-View Upstream



IMG_0572-View Downstream

SWOF-14 Point Clear Creek



IMG_0565-View Upstream



IMG_0566-View Upstream



IMG_0567-View Downstream



IMG_0569-View Downstream

SWOF-15 Corn Branch



IMG_0372-View Upstream



IMG_0377-View Downstream

SWOF-16 Corn Branch



IMG_0386-View Upstream



IMG_0384-View Downstream



IMG_0385-View Upstream



IMG_0381-View Downstream

SWOF-17 Muddy Branch



IMG_0281-View Upstream



IMG_0279-View Downstream

SWOF-18-Bay Branch



IMG_0433-View Upstream

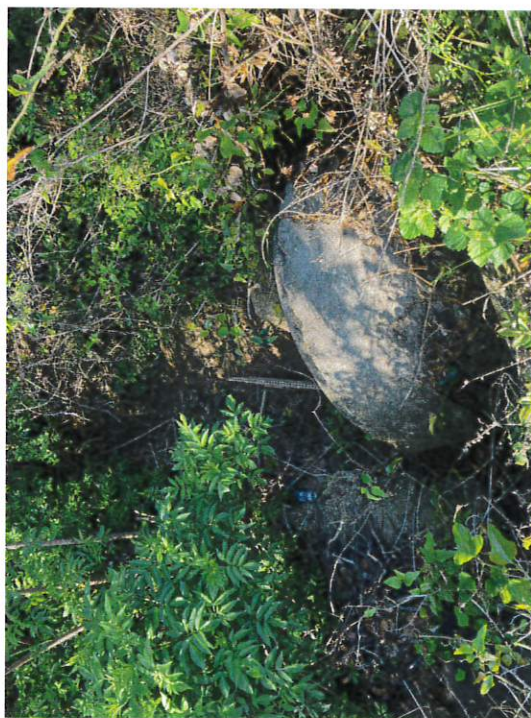


IMG_0430-View Downstream

SWOF-20 Fly Creek



IMG_0496-View Upstream



IMG_0501-View Downstream

SWOF-21 Fish River



IMG_0512-View Upstream



IMG_0507-View Downstream

SWOF-22 Titi Swamp



IMG_0558-View Upstream



IMG_0561-View Downstream



Appendix B-3

2.4.2 Baldwin County EMA Spill Response

Baldwin County Emergency Management Agency - NRC Reports 01 April 2021 - 31 March 2022

Date	Local Time	Incident Number	Incident Location	Water Affected	Reported By	Quantity	Material	Cause
5/8/2021	11:31	1304583	17908 W Hwy 98 Foley, AL	Unknown	Unknown	Unknown	Misc. Motor Oil	Homeowner dumping oil into storm drain.
5/24/2021	16:46	1305878	23910 Block of Perdido Beach Blvd Orange Beach, AL	Gulf of Mexico	Marjan Verschraegen (private citizen)	Unknown	Unknown Oil	CALLER IS REPORTING THE DISCOVERY OF TAR BALLS WASHED UP ON THE SHORE OF THE GULF OF MEXICO. CALLER REPORTS THEY DISCOVERED APPROXIMATELY 52 PIECES, AS BIG AS 3-INCHES AND SMALLER
5/27/2021	10:27	1306146	13861 Douglas Way Foley, AL 36535	Unknown	Ralph Lowe (private citizen)	Unknown	Unknown	NEIGHBOR SPRAY PAINTING VEHICLES AT HIS AUTOMOBILE SHOP WITHOUT SPRAY BOOTHS
7/9/2021	6:13	1310153	27844 Canal Rd, Orange Beach, AL	Unknown	Jeff O'Brien (private citizen)	25 Gallons	Unleaded Gasoline	Gasoline spilled from storage tank due to overflow. Operator Error.
7/9/2021	20:27	1310256	23044 Perdido Beach Blvd, Orange Beach, AL	Gulf of Mexico	Marianne Vershraegen (private citizen)	Unknown	Unknown Oil	Caller reported 1 tar ball washing onto the beach.
7/16/2021	19:47	1310875	220 Harrison Circle Gulf Shores, AL	Unknown	David Garnecky (private citizen)	Unknown	Unknown	Caller reports a nearby landfill is releasing an unknown chemical into the air and causing nearby residents to become ill.
7/21/2021	16:37	1310087	28101 Perdido Beach Blvd, Orange Beach, AL	Alabama Pass	Anonymous	Unknown	Unknown	Caller reported an unknown sheen on the surface of the Alabama pass that has been present for the past 3 weeks.
8/20/2021	8:19	1314213	848 Sea Cliff Dr Fairhope, AL	Sly Creek/Mobile Bay	Sean Saye (Harbor Master Fairhope Docks Marina)	Unknown	Unknown	Caller reports unknown sheen from unknown source at this location.
8/22/2021	7:44	1314370	County Rd. 6 Gulf Shores, AL	Bon Secour River	Anonymous	Unknown	Unknown	Caller reports unknown sheen in the water near Aquilla Seafoods.
8/31/2021	11:08	1315228	7195 Riverview Lane Foley, AL	Bon secour River	Kent Straub (private citizen)	Unknown	Gas and Oil	Caller reports fuel and oil leaking from abandoned vessel.
9/3/2021	14:31	34862	165 NB MM 36	None	Marlin Zachman (private citizen)	50 Gallons	Diesel	Tanker truck wreck.
9/3/2021	8:57	35238	29635 State Hwy 59 Loxley, AL	None	Alyssa Barbuto (Loxley Speedway)	30 Gallons	Diesel	Spill onto concrete due to overflow. No waterways nearby or affected.

Date	Local Time	Incident Number	Incident Location	Water Affected	Reported By	Quantity	Material	Cause
9/7/2021	9:09	34888	Canal Rd. Orange Beach, AL	Lake Shelby	Roman Gosnell (private citizen)	Unknown	Petroleum	Caller advised 4 pipes were leaking oil out in the lake 1 mile south of Beaver Creek lane.
9/11/2021	12:30	1316445	River Park Marina	Fish River	Anonymous	Unknown	Unknown	Caller advised a vessel is sinking under unknown circumstances.
9/11/2021	13:25	1316447	River Park Marina	Fish River	Anonymous	Unknown	Unknown Oil	Update to report 1316445. Unknown sheen coming from sinking vessel.
12/2/2021	16:21	1323470	Gulf of Mexico	Gulf of Mexico	Chad Guidroz (Cox Operating)	0.158 Gallons	Hydraulic Oil	Caller reported hydraulic oil leaking from platform due to equipment failure.
12/16/2021	12:51	1324698	2180 S. McKenzie St. Foley, AL	None	Kyle Mosley (Premium Environmental Services)	100 Gallons	E-87 Gasoline	Tanker truck spill during unloading operations at gas station at this address. No storm drains impacted.
1/18/2022	11:14	1326780	25494 Perdido Beach Blvd. Orange Beach, AL	Gulf of Mexico	Anonymous	Unknown	Unknown	Caller reported unknown sheen from an unknown source in the Gulf of Mexico.
1/25/2022	16:42	36796	Lake Shelby	Lake Shelby	Johanna Gertseh (Gulf State Park)	100 square meter area	Petroleum	An unknown sheen was discovered at the location where a vehicle accidently drove into Lake Shelby.
1/27/2022	12:30	1327424	Fairhope Beach, Fairhope, AL	Mobile Bay	Anonymous	Unknown	Unknown	Caller reported unknown sheen from an unknown source in Mobile Bay.
1/30/2022	16:52	1327615	848 Sea Cliff Dr Fairhope, AL	Fly Creek	Stacy Earls (Fairhope Docks Marina)	Unknown	Oil - Diesel	Caller reports a shrimp boat partially submerged with a sheen on the water nearby.
2/5/2022	17:04	1328177	26032 Perdido Beach Blvd. Orange Beach, AL	Gulf of Mexico	Marianne Vershraegen (private citizen)	Unknown	Unknown Oil	Caller reports around 10 tar balls discovered along the beach at this location.
2/11/2022	17:25	1328735	Orange Beach, AL	Gulf of Mexico	Linda Bradley	Unknown	Unknown Oil	Caller reports multiple tar balls on the beach. East of the Gulf State Park Pavilion.
2/26/2022	19:30	1329804	9486 Mifflin Creek Rd. Elberta, AL	Mifflin Creek	Roy Bell (private citizen)	Approx. 2 Cups	Unknown Oil	Caller reports unknown oil discharge from his vessel due to an unknown problem.
3/29/2022	13:07	1332223	Baldwin Beach Express (Between Wilters St. and E. Silverhill Ave. Robertsdate, AL	Rock Creek	Baldwin 911	Unknown	Oil	MVA on the bridge led to oil leak into Rock Creek. Amount undetermined.



Vision & Mission

Executive Summary

Planning

Coordination / Training / Exercises

Grants / Education Outreach

Internal

Thanks

OCTOBER 2020 - SEPTEMBER 2021

BALDWIN COUNTY EMERGENCY MANAGEMENT AGENCY ANNUAL REPORT

BALDWINCOUNTYAL.GOV/DEPARTMENTS/EMERGENCY-MANAGEMENT-AGENCY

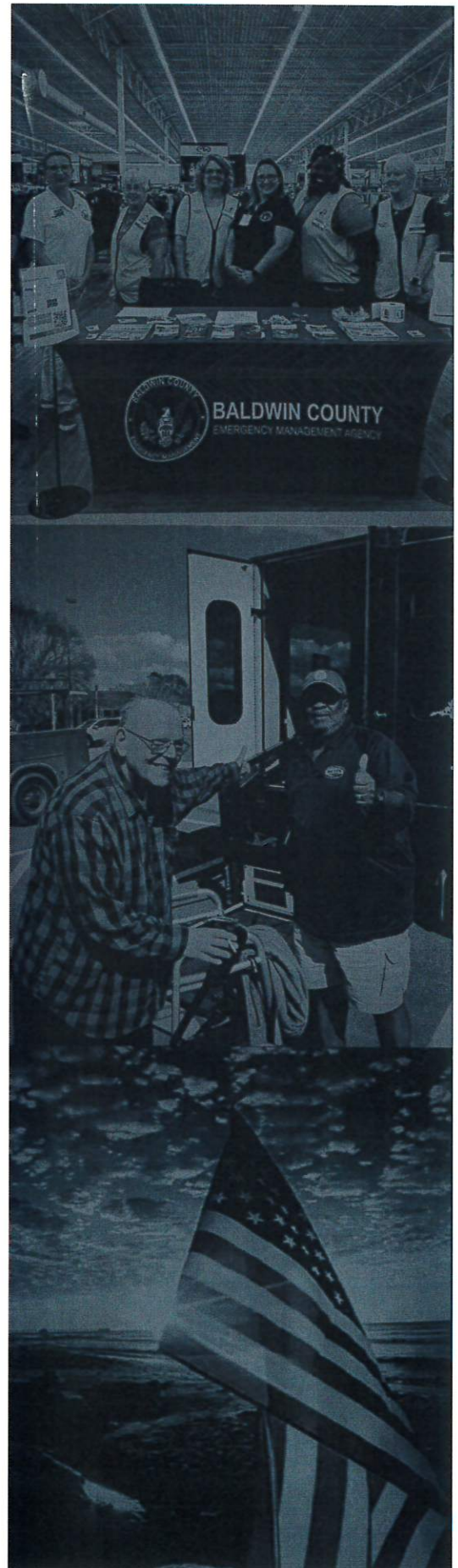


VISION

The vision of the Baldwin County Emergency Management Agency is to successfully integrate a comprehensive, innovative program which seeks to prepare and mitigate disasters using social, technical, and strategic methods which will protect life, minimize property damage, coordinate assistance, and expedite recovery processes in order to preserve and advance our community.

MISSION

Our mission is to provide a comprehensive and integrated emergency management system that coordinates resources to protect lives, property, and the environment through mitigation, preparedness, response, and recovery from all threats and hazards that affect Baldwin County.





2021 EXECUTIVE SUMMARY

In fiscal year 2021, the Baldwin County Emergency Management Agency successfully engaged in progressive activities that actively supported the Baldwin County Commission's Strategic Plan. The departmental staff is committed to promoting self-sufficiency as it pertains to disaster response and recovery. During FY2021, the Baldwin County Emergency Operations Center (EOC) was activated on six occasions to support response activities related to severe weather events, including hurricanes, tropical weather, tornado, and flooding incidents. These combined natural weather incidents generated a total of \$720,905 in damages across the county. With the new 2020 census data, the financial threshold for Baldwin County has increased to \$950,000. This amount of damage must be documented per incident in order to request a federal declaration. This dollar figure has increased dramatically which reinforces the need to become less reliant on state and federal assistance and strive to increase self-sustainment following disasters. Incidents of FY21 yielded a total of ten declarations consisting of three State of Local Emergencies, six State of Emergencies, one of which was elevated to the Federal Disaster Declaration status, due to the statewide impacts related to a tornado outbreak occurring in March 2021. These incidents remain concurrent with the State of Emergency related to Hurricane Sally recovery and mitigation efforts as well as the COVID-19 pandemic that continues to plague the world. In the most recent wave of the pandemic, Alabama experienced the highest death rates to date.

BCEMA coordinates closely with partners and stakeholders for the purpose of decreasing pandemic community impacts. Our department has supported 16 vaccination clinics which resulted in 12,460 people obtaining protection against COVID 19. We also supported our healthcare partners including the Alabama Department of Public Health in Covid testing efforts. Support efforts included coordination, facility usage, staffing, equipment, and planning for effective strategies. We worked closely with the Coroner's office to support operations on fatality management as we endured the height of the pandemic across Baldwin County.

Baldwin County Emergency Management Agency was recognized by United Way for Outstanding Community Service Award for efforts serving Baldwin County. The Naval Air Station, Whiting Field also recognized Baldwin County EMA for the response related to the aircraft incident that occurred in the Foley community. Working closely with responders, community organizations, as well as our military partners is one way we maintain cooperation and coordination in planning and response efforts serving the citizens of Baldwin County.

PLANNING

Preparedness efforts are a critical element to elevating resilience and affording opportunity for better collaboration among community partners. Over the course of the previous year, the departmental staff hosted and facilitated 43 non-covid meetings which included over 900 participants.

These plans all require annual reviews, and the necessary revisions are applied as needed. The need for revision is discovered by the annual review schedule, feedback from partners/whole community approach to planning, and exercising the plans. These exercises include plan exercises and real-world events.

The Local Emergency Planning Committee (LEPC) along with the Hazardous Materials Planning Subcommittee – met regularly with the mission for completing the Hazardous Materials Response Plan for the county. Committee members consist of representatives from federal agencies, state agencies, county departments, healthcare community, first responders, volunteer & faith-based organizations.

The Planning and Grants division has maintained 11 plans, monitored 23 grants, and worked on 13 grants in the performance phase during this fiscal year. These grants total approximately \$1,000,000 with approximately 10 grant applications pending determination of award.

Emergency Operations Plan

Multi-Hazard Mitigation Plan

Debris Management

Continuity of Operations Plan

Long-Term Recovery Plan

Evacuation Plan

Shelter Guide

Logistics Guide

**Strategic National Stockpile (SNS) Plan /
Medical Counter Measures (MCM)**

**Emergency Management Performance
Grant (EMPG) Work Plan**

**Threat Hazards Identification Risk
Assessment (THIRA)**



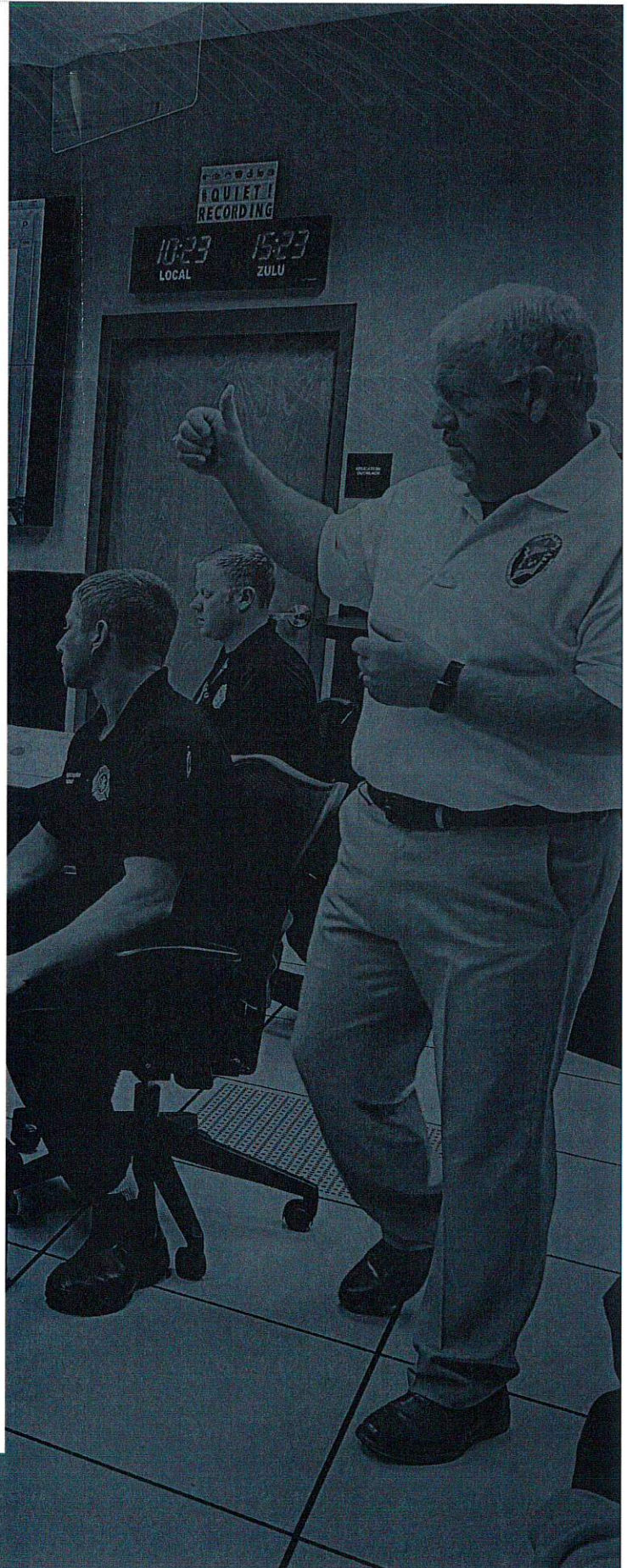
COORDINATION

Executive Stakeholders and Emergency Support Function (ESF) monthly meetings were established to build foundational relationships conducive to improve planning coordination, training opportunities, and build capability among partnering agencies and stakeholders. This is one of the ways in which the department continues to support the County's Strategic Plan by establishing and maintaining regional partnerships with municipalities, adjoining Counties, Boards of Education and additional stakeholders.

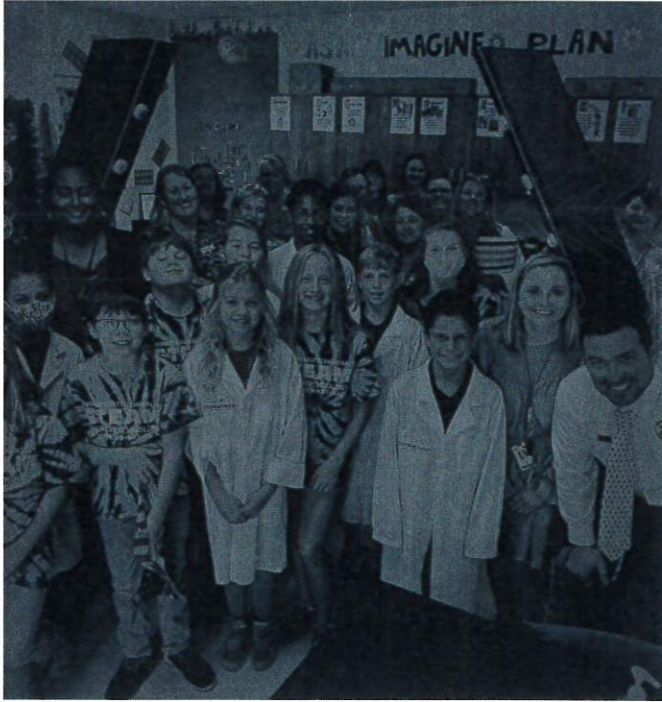
TRAINING & EXERCISES

Emergency management personnel are required to acquire annual continuing education credits to maintain certifications, credentials, and meet Emergency Management Performance Grant (EMPG) requirements. In 2021, the staff acquired a total of 143.2 credit hours of training. EMA hosts and facilitates a variety of training designed for law enforcement personnel, healthcare partners, fire departments, Public Information Officers, and emergency management professionals.

Each member of the Emergency Management Staff are required to participate in three exercises annually. Many partnering agencies and surrounding counties depend on our agency for development, coordination, execution, as well as proper documentation for exercise credit. This year, we hosted two exercises and staff participated in at total of five exercises. One of the Full-Scale Exercises hosted and piloted by our department was facilitated by the Center for Domestic Preparedness. This exercise was the first of its kind to be held stateside. The opportunity was a great demonstration of local, state, and federal partnerships working together to improve response capabilities.



GRANTS



The Planning and Grants division has maintained 11 plans, monitored 23 grants, and worked on 13 grants in the performance phase during this fiscal year. These grants total approximately \$1,000,000 with approximately 10 grant applications pending determination of award.

EDUCATION

EMA Staff provide community educational opportunities for the general public, civic organizations, media partners, as well both internal and external partners. Disaster preparedness is the mission of both the agency and the department. The department strives to build public-private partnerships to assist in reaching broad audiences for this mission. Working with local partners, we successfully participated in 53 events reaching an estimated 10,000 people. With the implementation of the mass notification system, we have forged new partnerships for the beach safety initiative.

Working with Gulf Shores/Orange Beach Tourism, the Fort Morgan Civic Association, Baldwin County Sheriff's Department, E-911, Chambers of Commerce, coastal municipalities, the beach surf rescue teams, and local rental agencies along our coastal areas, we are actively promoting beach safety and education to our residents as well as our visitors. We have experienced increase interest and registration for the AlertBaldwin program as well as the text opt in for "ALBeaches". Daily beach and surf conditions are being shared widely across the county assisting in education of beach safety and surf conditions. Beach safety for responders, residents, and visitors is a priority for improving public safety assisting in another goal of the Baldwin County Strategic Plan for improving safety and security experienced by residents.

RESPONSE

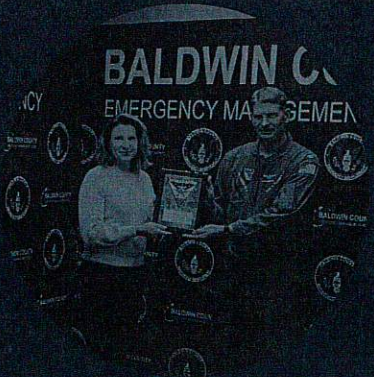
Baldwin County EMA serves to coordinate, support and assist during times of disaster and crisis.

Baldwin County experienced historical severe weather events in FY 21. The Emergency Operations Center activates to support incidents such as significant weather events as well as incidents that may potentially overwhelm a local jurisdiction, threaten life safety or cause severe property damage. We experienced nine severe weather incidents resulting in 12 days requiring emergency activation and resulted in \$720,905 in property damages. These significant weather incidents resulted in 10 disaster declaration between the local, state, and federal level. The criteria for a disaster declaration is based on population for the county and total damages incurred as a result of the incident. As new census data has indicated, Baldwin County is one of the fastest growing counties in the state of Alabama. For future incidents, Baldwin County will be required to meet a damage threshold of \$950,000 per incident in order to be eligible to request a federal declaration for disaster assistance. This new criterion reinforces the need for Baldwin County to become as self-sufficient and continue to build capacity for sustainment in the wake of disasters. The effort for disaster preparation, response, and recovery must span all areas of the community. Disasters begin and end local.

INCIDENT RESPONSE

National Response Center (NRC) Notifications

The emergency operation center and its staff has responded to 25 reports to the National Response Center. Of these calls, 24 were handled in house and one was elevated on to the state level. These reports included hazardous materials such as: tar balls, unknown sheen, fuel spills related to motor vehicle accidents, motor oil, fire, petroleum, gasoline, unknown substance in the air, diesel, and gasoline.



INCIDENTS & EOC ACTIVATIONS

Hurricane Sally impacts are evident across Baldwin County and recovery efforts are ongoing. FY21 has been a year filled with chronic disaster response from one source or another.

1

Hurricane Delta

October 9, 2020

Local State of Emergency
Declared: Effective noon,
October 6, 2020. Ended noon,
October 20, 2021.

State of Emergency Declared:
Effective 11:00 am, October 6,
2021. Ended October 21, 2021.

No major damage reported

2

Hurricane Zeta

October 28, 2020

Local State of Emergency
Declared: Effective 5:00 pm,
October 27, 2020. Ended noon,
November 17, 2020.

State of Emergency Declared:
Effective 4:00 pm, October 27,
2020. Ongoing.

\$329,901 in damages

3

Tornado Outbreak 1

March 17-18, 2021

Local State of Emergency
Declared:
No declaration

State of Emergency Declared:
Effective 6:00 pm, March 16,
2021. Ended 5:00 pm, March 22,
2021.

No major damage reported

4

Tropical Storm Claudette

June 19, 2021

Local State of Emergency
Declared:
No declaration

State of Emergency Declared:
Effective 10:00 am, June 18,
2021. Ended 11:59 pm, July 20,
2021.

No major damage reported

5

Tropical Storm Fred

August 16, 2021

Local State of Emergency
Declared:
No declaration

State of Emergency Declared:
No declaration

No major damage reported

6

Hurricane Ida

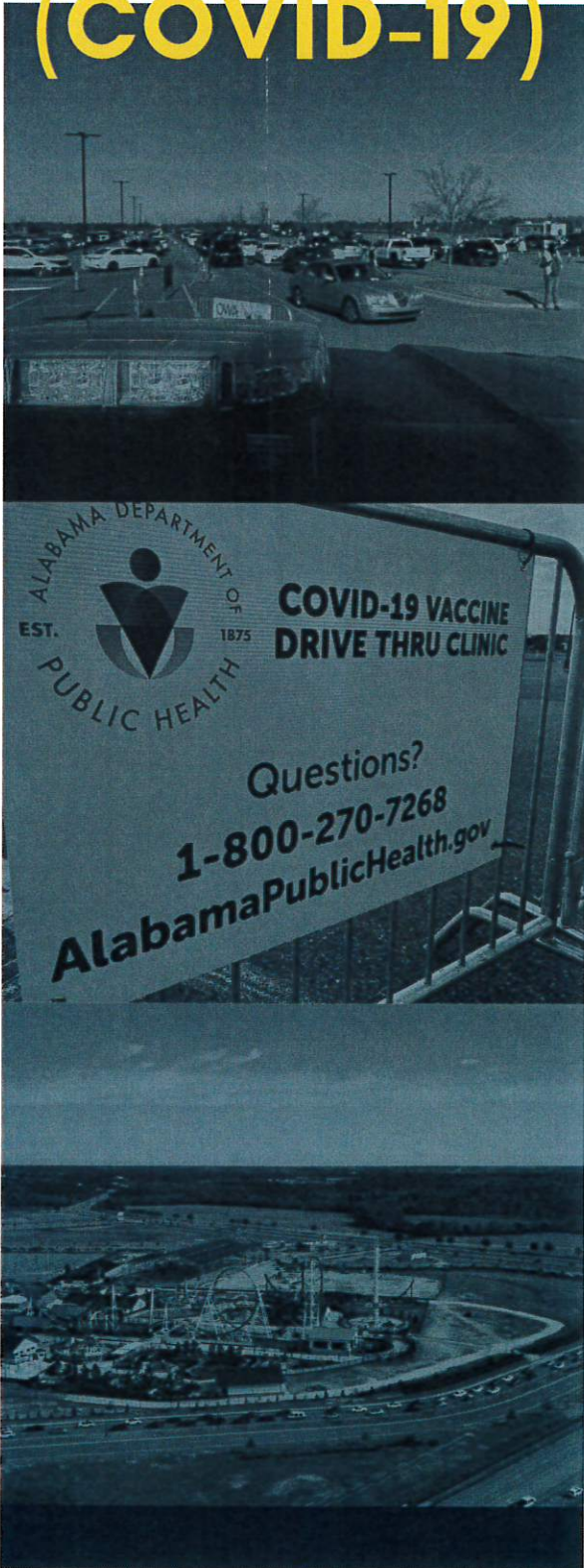
August 29, 2021

Local State of Emergency
Declared: Declared August 27,
2021, "contingent on and to
coincide with" a state
declaration. Ongoing.

State of Emergency Declared:
Effective 2:00 pm, August 28,
2021. Ongoing.

\$391,004 in damages

PANDEMIC (COVID-19)



COVID 19 response and mitigation efforts continued as waves of the pandemic impact our community. The pandemic created unique challenges and stressed the healthcare community. Our department serves as a logistical support to the Alabama Department of Public Health and assisted in testing, vaccination, and education efforts to slow the spread and reduce the impact of the disease in our population. EMA initiated coordination calls to maintain situational awareness, assess healthcare needs, and determine strategic activities that would assist public health and safety. Over the course of FY 21, we experienced waves of increased disease prevalence which resulted in hospital surge and the need for increased capability to provide patient care. Working with medical partners, hospitals, healthcare facilities, and public health, we conducted meetings for planning and situational awareness. We supported testing sites efforts to assist in making COVID testing more accessible. Staff supported mass vaccination sites with staffing, logistical needs, planning, training, as well as exercises.

3,600
HOURS

A total of 79 meetings were held, with an estimated 2,202 attendants that amounted to approximately 3600 hours of time dedicated to the mission of COVID 19 response.

12,460
VACCINATIONS

A total of 12,460 vaccination doses administered in a 16-day period.

6,339
TESTED

A total of 6,339 individuals were tested for COVID 19 during the 2021 Fiscal year



HURRICANE SALLY RECOVERY EFFORTS

Hurricane Sally impacts remain obvious across Baldwin County. Much of FY 21 has been dedicated to repairing, restoring, and rebuilding Baldwin County. Long-term recovery efforts will continue into the foreseeable future. Recovery efforts have been tremendously hindered by the COVID 19 pandemic, logistical supply chains, work force shortages, and further complicated by unprecedented population growth. Baldwin County Volunteer Organizations Active in Disasters (VOAD) has been instrumental in providing services, resources, and support to those impacted by Sally.

COVID 19 RECOVERY EFFORT

Ongoing Covid recovery efforts are co-mingled with response efforts as waves of pandemic cycle through our community. Pandemic response is unlike any other due to the unknown of what lies ahead as the virus evolves and mutates. During waves of high infection rates, our community experienced unprecedented hospitalization rates and death rates. Coordinating with the Baldwin County Coroner, local hospitals and the Alabama Department of Public Health, and federal partners, our department successfully procured necessary labor and supplies to augment healthcare when local capacity was exceeded

MITIGATION

\$486,952.8

6

Processed 319 transactions during this fiscal year for a total of \$486,952.86

\$158,086.4

8

Processed 145 transactions for supplies and materials valued at \$158,086.48

\$324,800.3

0

Processed 159 transactions for services valued at \$324,800.30

\$4,066.08

15 other transactions such as travel, and membership fees valued at \$ 4,066.08



In order to maintain a viable and comprehensive emergency management program, the realignment of positional responsibilities with the addition of necessary staff to accomplish the mission of both the department and the county commission as a whole. Continuing good stewardship and implementation of streamlined purchasing, budget tracking, and documentation for the procurement processes, the Logistics Division Manager.

DIRECTOR'S CLOSING

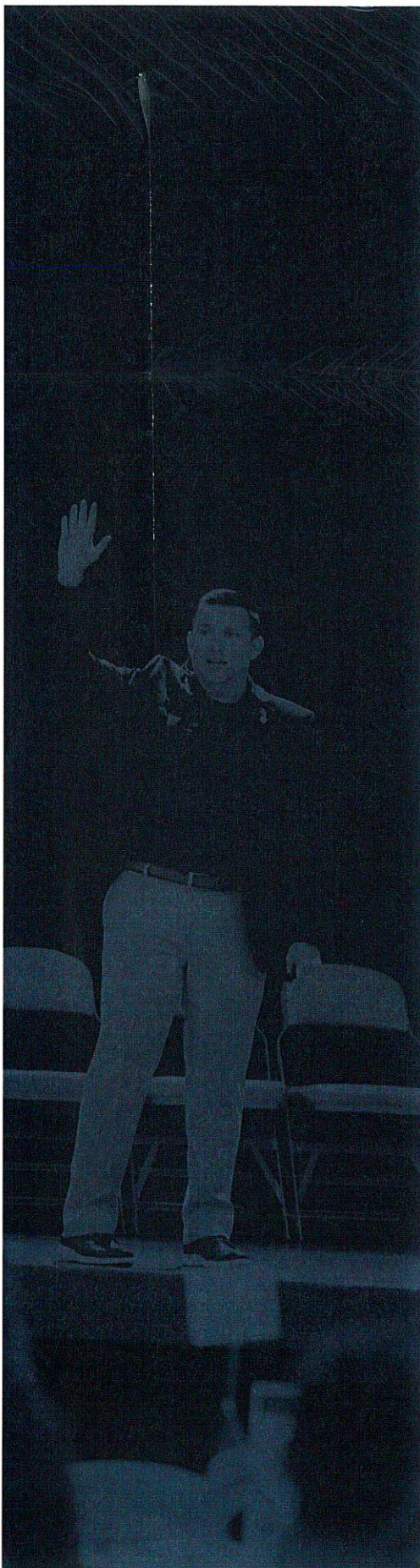
With the greatest respect, I would like for each of you to know that you are appreciated for the confidence and support you have all given the Emergency Management Agency. You have assisted with building a resilient operation, addressing critical needs through fiscal approval, and most importantly your involvement with operational oversight throughout the historical disasters experienced over the past two years in Baldwin County.

During my first year as EMA Director, I worked alongside the staff to identify, prioritize, and determine how we could integrate a process into our daily activity that would allow us to develop an internal/external deliverable that provides an overview or high level of situational awareness to support your responsibilities as true statesmen. The benefits of managing this type of information are far outreaching. Most importantly, the information is transparent and allows us to further engage the public in a positive way that promotes building relationships. This past year, we have gathered, maintained, and compiled the data into a final report for you to review.

In conclusion, you will find a very active agency that works extremely hard to support the mission and vision for the county. You may even find a considerable talking point or two. My hope is this provides a detailed description of fiscal responsibility, community driven preparedness/response, and how we ensure our operation is consistent with federal/state law and outlines where we are headed in ensuring we cover all 67 standards of emergency management.

ZACH HOOD

BALDWIN COUNTY
EMA DIRECTOR





2022
Baldwin County
Local Emergency Planning Committee (LEPC)
Full Body Public Meeting Dates

Monday, March 21, 2022

SPONSOR: North Baldwin Infirmary
LOCATION: *North Baldwin Wellness Center
2115 Hand Avenue
Bay Minette, AL 36507
TIME: 10:30 AM

Monday, September 19, 2022

SPONSOR: South Baldwin Regional Medical Center
LOCATION: Foley Civic Center
407 East Laurel Avenue
Foley, AL 36536
TIME: 10:30 AM

*Monday, June 13, 2022

SPONSOR: Thomas Hospital
LOCATION: *Thomas Medical Center
27961 Highway 98
Daphne, AL 36526
TIME: 10:30 AM

Monday, December 19, 2022

LOCATION: Central Annex
22251 Palmer Street
Robertsdale, AL 36567
TIME: 10:30 AM

LEPC Steering Committee

LOCATION: Baldwin County Emergency Management Agency
23100 McAuliffe Drive
Robertsdale, AL 36567

TIME: 10:00 AM
Second Wednesday of each month

Jan 12 / Feb 9 / Mar 9 / Apr 13 / May 11 / June 8 / July 13 / *Aug 10
/ Sept 14 / Oct 12 / Nov 9 / Dec 14

*Due to current COVID-19 restrictions for these locations, no external meetings are allowed at this time. We have been instructed to call back after the first of the year to see if those restrictions have changed. In the event the restrictions remain, we have reserved the Central Annex as a backup location.

**Since the Response Plan is complete, it is no longer necessary for the Hazmat Response Planning Committee to meet as often as it did for the drafting process. However, the Committee will need to meet from time to time during the year to review the plan.

***The original meeting date was June 20; however, June 20 is the newly observed Juneteenth holiday. This meeting has been rescheduled for June 13.

****August 9 was originally listed but is a typo on my part. The correct date is August 10.



*BALDWIN COUNTY LEPC
LEPC MEETING
FOLEY CIVIC CENTER, FOLEY
SEPTEMBER 20, 2021*

I. WELCOME & ATTENDANCE

Kevin Carnley called the meeting to order at 10:32 am. Jenni Guerry gave a Tier 2 report and a National Response Center report: There are 95 Tier 2 businesses in Baldwin County, and 21 National Response Center incidents have been investigated.

Attendees:

Sabrina Arnette, Thomas Hospital	Christian McDowell, FBI Mobile
Taylor Bryant, Orange Beach Fire	Michelle Pennington, BCEMA
Thurston Bullock, Foley PD	Michael Purner, BCEMA
Kevin Carnley, Foley PD/LEPC Chair	Clark Ratcliffe, Providence UMC
Joey Darby, Foley Fire	Mike Shelton, ADCNR/Weeks Bay Reserve
Tony Dickey, Daphne Search and Rescue	Amanda Thweatt, BCEMA
Brent Goodwin, BCEMA	John Underwood, Gulf Coast Media
Jenni Guerry, BCEMA	Scott Wallace, BCEMA
Edie Harville, South Baldwin Regional Medical	David Wilson, City of Foley
Dana Jepsen, VOAD	Nicole Woerner, City of Orange Beach
Rachel Keith, City of Foley	

II. APPROVAL OF THE MINUTES

Tony Dickey made a motion to accept the June 21, 2021, Full Body minutes. The motion was seconded, and the minutes were accepted.

III. DISCUSSION: HAZARDOUS MATERIALS EMERGENCY RESPONSE PLAN DRAFT

Jenni stated that the Hazardous Materials Emergency Response Plan Draft is available for review and will be presented to the Full Body in December for a vote at the December meeting. Chief Darby reminded everybody that the Emergency Response Plan is a living document and should be reviewed annually.

IV. COMMITTEE REPORTS

- o FINANCIAL

No financial report was given today but will be sent out when it is available.

- HEALTH AND MEDICAL
No Health and Medical report was given today.
- MUNICIPALITIES
Chief Darby with Foley Fire stated that the City of Foley is on track to build a first responder safe room that can house 200 responders.
- VOLUNTARY ORGANIZATIONS ACTIVE IN DISASTER (VOAD)
Dana Jepsen reported that the fourth quarter VOAD meeting will be October 21, 2021, at 10:00 am via Zoom. She went on to say that the credentialing process is in progress and described the steps required for earning the clearance badge. The badge is good for three years. VOAD is coordinating the response to help those dealing with Hurricane Ida. Two Long Term Recoveries (LTR) are taking place: Sally and COVID. With respect to the COVID LTR, VOAD is handling the case management for the Emergency Rental Assistance Program now. New case management staff are housed at Prodissee Pantry.
- BALDWIN COUNTY EMERGENCY MANAGEMENT AGENCY
Jenni Guerry stated there was very little damage reported with Hurricane Ida. COVID testing is taking place at PZK Hall. She gave a rundown of the Hazard Mitigation grants and said that Flood Mitigation is accepting applications at this time. BCEMA is continuing to use Everbridge and is working on an agreement for BCEMA partners to use it as well.

Scott Wallace reported that Amanda Thweatt has taken on Shelters. The MOU includes Florence Mathis School as a tornado shelter. Starting this week, the Health and Medical WebEx calls will be on Wednesdays only. Because of the Health and Medical WebEx calls, we were way ahead of projecting needs and getting federal help for extra staffing, the morgue trailer, and the COVID-19 testing site at PZK when other counties did not know what paperwork was needed.

Michael Purner reported that he is having a difficult time getting the HazMat trailer fixed due to the vendor being backed up.

- V. SPECIAL PRESENTATION: COVID-19 Situation Summary: 2020-2021, by Michelle Pennington (BCEMA)
Michelle Pennington gave a comparison snapshot of what the COVID-19 situation was like at the beginning of the pandemic and what it is like currently, focusing on Baldwin County's response to the pandemic and discussing events and challenges spanning the duration of the pandemic.
- VI. NEW BUSINESS
 - Jenni Guerry made a motion for LEPC to fund "lunch and learn" meat for the December Full Body meeting. Scott Wallace seconded the motion. The Body voted to approve.
- VII. ANNOUNCEMENTS
 - E-plan (Tier 2) Training with Beth Woodfin is November 4, 2021, at 12:00 pm-4:00 pm in the EOC Upstairs Training Room.
 - The Baldwin County Fair will be going on at the Coliseum September 21-25, 2021.

- o OWA Safety Day is September 25, 2021, beginning at 5:00 pm.
- VIII. ADJOURNMENT – Jenni Guerry made a motion to adjourn and accepted a second from multiple Body members. The meeting adjourned at 11:06 am.

Immediately following the meeting, Scott Wallace held a Training Exercise Planning Workshop (TEPW) meeting. He listed trainings that have occurred this year and those that are coming up. He then asked what trainings members would like to see in Baldwin County. A lengthy discussion followed. After this meeting adjourned at 11:46 am, members were invited to enjoy a box lunch from Honey Baked Ham, which was sponsored by South Baldwin Regional Medical Center.

UPCOMING MEETINGS:

LEPC Steering Committee Meeting / October 13, 2021 / 10:00 am / Hybrid

LEPC Full Body Meeting / December 20, 2021 / 10:30 am / Central Annex



Welcome to Baldwin County, Alabama's
Notification System - ALERTBALDWIN

Get alerted about emergencies and other important community

When every second counts



Hazardous Chemical Inventories in E-Plan: Training for First Responders

This four-hour seminar provides emergency responders with:

1. The knowledge and skills needed to understand the basic history and reporting requirements of the Emergency Planning and Community Right-to-Know Act (EPCRA),
2. Create an E-Plan account, and
3. Successfully access tools and utilize Tier II data.

E-Plan is a secure, web-based system that equips response teams with life-saving information. This training goes into detail on the mechanics of using the tools within E-Plan to perform chemical searches, locate facility information, and create basic plume modeling for chemical releases. With successful completion of the seminar, LEPCs, fire fighters, and other emergency responders will be able to login to E-Plan, access Tier II data, and more effectively plan for chemical emergencies in their communities.

Every participant must bring their own laptop.

Register Here

Hands-on experience!

Get answers for all your E-plan questions.

Learn how to export and utilize data.

Reserve your seat today!

CLEM CEU Certified

LOCATION:

Baldwin County EOC
23100 Mcauliffe Drive,
Robertsdale, AL 36567

DATE/TIME:

November 4, 2021

12PM-4PM

Alabama Emergency Response Commission

ADEM
Alabama Department of Environmental Management





BALDWIN COUNTY COMMISSION

FOR IMMEDIATE RELEASE

August 4, 2021

CONTACT:

Wayne A. Dyess, County Administrator

(251) 580-2550

wayne.dyess@baldwincountyal.gov

PUBLIC NOTICE

The Baldwin County Commission has been invited to attend the following event:

BALDWIN COUNTY EMERGENCY MANAGEMENT AGENCY
EMERGENCY OPERATIONS CENTER ACTIVATION AND EMERGENCY
CALLED MEETING TRAINING EXERCISE

The purpose of the event is to conduct emergency preparedness training and an emergency called meeting training exercise for County officials and staff in preparation for emergency weather events during Hurricane Season 2021.

Wednesday, August 4, 2021

3:00 p.m. – 4:30 p.m.

Baldwin County Central Annex

Auditorium

22251 Palmer Street

Robertsdale, Alabama 36567

This public notice is provided to the public in accordance with applicable state law as a majority of the Baldwin County Commissioners may attend and participate in the above event.



Appendix B-4

2.4.5 Standard Operating Procedures (SOP)

MS4 OUTFALL INSPECTION FORM

Section 1: Background Data

Subwatershed:		Outfall ID:	
Today's date:		Time (Military):	
Investigators:		Form completed by:	
Temperature (°F):	Rainfall (in.): Last 24 hours:		Last 48 hours:
Latitude:	Longitude:	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial <input type="checkbox"/> Ultra-Urban Residential <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Commercial		<input type="checkbox"/> Open Space <input type="checkbox"/> Institutional Other: _____ Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____ In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: _____ Top Width: _____ Bottom Width: _____	(Hatched area)
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	

MS4 OUTFALL INSPECTION FORM

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? Yes No (If No, Skip to Section 5)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Faint	<input type="checkbox"/> 2 - Easily detected	<input type="checkbox"/> 3 - Noticable from a distance
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Faint colors in sample bottle	<input type="checkbox"/> 2 - Clearly visible in sample bottle	<input type="checkbox"/> 3 - Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	Sec severity	<input type="checkbox"/> 1 - Slight cloudiness	<input type="checkbox"/> 2 - Cloudy	<input type="checkbox"/> 3 - Opaque
Floatables -Does Not include Trash!!	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Few/slight, origin not obvious	<input type="checkbox"/> 2 - Some, indications of origin (e.g., possible suds or oil sheen)	<input type="checkbox"/> 3 - Some, origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? Yes No (If No, Skip to Section 6)

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other:	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	
Poor pool quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other:	
Pipe benthic growth	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other:	

Section 6: Overall Outfall Characterization

Unlikely Potential (presence of two or more indicators) Suspect (one or more indicators with a severity of 3) Obvious

Section 7: Data Collection

1. Sample for the lab? Yes No

2. If yes, collected from: Flow Pool

3. Intermittent flow trap set? Yes No If Yes, type: OBM Caulk dam

Section 8: Any Non-Ilicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

BCHD GUIDELINES FOR OPERATIONS

Activity/Sub-Activity Description: Outfall Reconnaissance Inventory

Activity Code Number: 523

Administered by: Operations Section

Definition/Scope: This process is used by Baldwin County Highway Department employee(s) for Identifying & collecting at the Outfall Reconnaissance

Customer: The customers for this process are the County Commission, the County Engineer, Department Heads, Citizens, Environmental Agencies and Highway Department staff.

Objectives: Find Outfall Reconnaissance points and map locations

Implementation Plan: Follow this procedure for Outfall Reconnaissance points.

Follow-up Plan: Use maps as a guide for locations to take samples at Outfall Reconnaissance points.

Procedure to Accomplish: See below

- Use USGS maps to identify perennial and intermediate streams in the MS4 area
- Use the county GIS database to overlay the USGS map with the county maintained road system
- Identify the locations where the two intersect. These are your outfall locations
- Label the outfall locations numerically
- If more than one of their points intersects state waters at the same location, identify those additional location's with sub letters i.e. A,B,C,D
- Field verify all locations to ensure conditions are accurately captured
- Capture subwatershed, latitude, longitude, and fill out Outfall Inspection form
- Create a location map of each inspection point to attach to the Outfall Inventory Inspection form
- Inspect the outfall every 5 years

OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data

Subwatershed:		Outfall ID:	
Today's date:		Time (Military):	
Investigators:		Form completed by:	
Temperature (°F):	Rainfall (in.): Last 24 hours:		Last 48 hours:
Latitude:	Longitude:	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial <input type="checkbox"/> Ultra-Urban Residential <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Commercial		<input type="checkbox"/> Open Space <input type="checkbox"/> Institutional Other: _____ Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____	In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: _____ Top Width: _____ Bottom Width: _____	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
<input type="checkbox"/> Flow #2	Flow depth		In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature		°F	Thermometer	
pH		pH Units	Test strip/Probe	
Ammonia		mg/L	Test strip	

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? Yes No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
			1 - Faint	2 - Easily detected	3 - Noticeable from a distance
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floatables -Does Not Include Trash!!	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? Yes No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other:	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	
Poor pool quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other:	
Pipe benthic growth	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other:	

Section 6: Overall Outfall Characterization

Unlikely Potential (presence of two or more indicators) Suspect (one or more indicators with a severity of 3) Obvious

Section 7: Data Collection

1. Sample for the lab?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool
3. Intermittent flow trap set?	<input type="checkbox"/> Yes <input type="checkbox"/> No
	If Yes, type: <input type="checkbox"/> OBM <input type="checkbox"/> Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

Illicit Discharge Inspection Form

Purpose: The purpose of this form is to document the observations made during an investigation of a potential non-storm water discharge into the County's MS4.

Inspection Information

Inspection Type: Initial Scheduled Follow-up Response to Complaint
Inspector Name: _____ Date: _____
Organization: _____ Time: _____
Phone: _____ E-mail: _____

Signature: _____

Name(s) of others accompanying inspector (if any):

Name: _____ Title: _____
Name: _____ Title: _____
Name: _____ Title: _____

Weather Conditions: Clear Cloudy Rain
Previous Rainfall: _____ in _____ on _____ Source: _____

Incident Location

Stream: _____ Latitude: _____ ° ' "
Address: _____ Longitude: _____ ° ' "

Nearby Landmark: _____

Property Type: County Commercial Industrial Residential
 Other: _____

Primary Location: Stream Upland Area

Secondary Location: Outfall In-Stream Flow Near Storm Drain
 Along Bank Other: _____

Comments: _____

Observations

1. Upland Problem Indicators

None Dumping Oil / Chemical Sewage
 Wash Water Suds Other: _____

Comments: _____

2. Stream Corridor Problem Indicators

Odor None Sewage Oil / Chemical Sour
 Sulfide Other: _____

Appearance Normal Cloudy Oil / Chemical Suds
 Turbid Other: _____

Floatables None Sewage Dead Fish Algae
 Other: _____

Comments: _____

3. Field Screening Data

Illicit Discharge Inspection Form

Sample Location: _____

Parameters		Results	Comments
1. Temperature	°C	_____	_____
2. pH	s.u.	_____	_____
3. Conductivity	µS/cm	_____	_____
4. Total Dissolved Solids	mg/L	_____	_____
5. Potassium	mg/L	_____	_____
6. Ammonia	mg/L	_____	_____
7. Chlorine	mg/L	_____	_____
8. E Coli	mg/L	_____	_____
9. Total Coliform	mg/L	_____	_____
10. Fluoride	mg/L	_____	_____
11. Surfactants	mg/L	_____	_____
12. Detergents	mg/L	_____	_____
13. Hardness	mg/L	_____	_____

Comments: (These results will come from laboratory test) _____

4. Potential Source of Non Storm Water Discharge

- | | | | |
|--|--|---|--|
| <input type="checkbox"/> Sanitary Sewer | <input type="checkbox"/> Septic System | <input type="checkbox"/> Oil / Chemical Spill | <input type="checkbox"/> Vehicle Washing |
| <input type="checkbox"/> Construction Activity | <input type="checkbox"/> Industrial Activity | <input type="checkbox"/> Building Maintenance | <input checked="" type="checkbox"/> Drain Pipe |
| <input type="checkbox"/> Natural Source | <input type="checkbox"/> Other: _____ | | |

Suspect Violator

Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Property Type: County Commercial Industrial Residential

Other: _____

Follow-up Actions

- | | | | |
|---|------------------------------|-----------------------------|-------------|
| <input type="checkbox"/> No follow-up actions are required. | | | |
| <input type="checkbox"/> Notify Facility of Non-Storm Water Discharge | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Date: _____ |
| <input type="checkbox"/> Conduct Follow-up Investigation | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Date: _____ |
| <input type="checkbox"/> Refer to County Department | | | |
| EMA (251) 972-6806 | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Date: _____ |
| HWY (251) 937-0371 | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Date: _____ |
| Health DP (251) 947-3557 | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Date: _____ |
| <input type="checkbox"/> Non-Storm Water Discharge Eliminated | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Date: _____ |
| <input type="checkbox"/> Notify ADEM | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Date: _____ |
| <input type="checkbox"/> Other | | | |

Comments: _____

BCHD GUIDELINES FOR OPERATIONS

Activity/Sub-Activity Description: Illicit Discharge Detection and Elimination / Dry Weather Screening

Activity Code Number: 503

Administered by: Operations Section

Definition/Scope: This process is used by Baldwin County Highway Department employee(s) dry weather screening.

Customer: The customers for this process are the County Commission, the County Engineer, Department Heads, Citizens, Environmental Agencies and Highway Department staff.

Objectives:

- Conduct inspections during dry weather periods
- Characterize and record observations on basic sensory and physical indicators

Implementation Plan:

- If an illicit discharge is detected, please follow the Illicit Discharge Standard Operating Procedure

Follow-up Plan:

- Perform inspections of MS4 area at least once per permit cycle.
- If dry weather flow is present at the outfall, and the flow does not appear to be an obvious illicit discharge, attempt to identify the source of the flow then document the discharge for future comparison.
- Fill out MS4 Outfall Inspection Form
- Take photos for record.

Procedure to Accomplish:

Responsibilities Summary: The Baldwin County Highway Department employee responsible for performing dry weather screenings shall be responsible for implementing this SOP.

BCHD GUIDELINES FOR OPERATIONS

Activity/Sub-Activity Description: Illicit Discharge Detection and Elimination

Activity Code Number: 503

Administered by: Operations Section

Definition/Scope: This process is used by Baldwin County Highway Department employee(s) for dealing with illicit discharges. According to the EPA an illicit discharge is defined as any discharge to the municipal separate storm sewer system that is not composed entirely of storm water, except for discharges allowed under a NPDES permit or waters used for firefighting operations.

Customer: The customers for this process are the County Commission, the County Engineer, Department Heads, Citizens, Environmental Agencies and Highway Department staff.

Objectives:

- Document observations using the outfall reconnaissance field sheet
- Document site location
- Visually inspect general area for possible sources of discharge
- Take photos
- Collect samples if possible
- Complete the Illicit Discharge Inspection Form

Implementation Plan:

- In the event that illicit discharges do occur, the following parties shall be notified:
 - Supervisor
 - Health Department
 - ADEM
 - Utility / Facility Owner (as applicable)

Please refer to the contractor contact list for cleanup contractors needed during spills.

Follow-up Plan:

Procedure to Accomplish:

- Actions shall be taken to minimize illicit discharges. These actions shall include good construction practices as well as the installation and maintenance of BMP's.

Responsibilities Summary: The Baldwin County Highway Department employee responsible for performing dry weather screenings shall be responsible for implementing this SOP.

BCHD GUIDELINES FOR OPERATIONS

Activity/Sub-Activity Description: Illicit Discharge Detection and Elimination / Sewer Detection

Activity Code Number: 503

Administered by: Operations Section

Definition/Scope: This process is used by Baldwin County Highway Department employee(s) for dealing with detection of sewer leakage / spills.

Customer: The customers for this process are the County Commission, the County Engineer, Department Heads, Citizens, Environmental Agencies and Highway Department staff.

Objectives:

- County Employee performs routine site inspection
- The following parameters shall be looked for during the inspection:
Grayish Turbidity, Odor, Floatables, Algae-growth and Bacterial growth.
- If any of the above are detected during the inspection, sanitary sewer or a failing septic system may be the root of the problem.
- The County shall immediately notify the Baldwin County Health Department at 251-947-3618.

Implementation Plan:

- In the event that sewer spill is detected, the following parties shall be notified:
 - Supervisor
 - Health Department
 - ADEM
 - Utility / Facility Owner (as applicable)

Please refer to the contractor contact list for cleanup contractors needed during spills.

Follow-up Plan:

Procedure to Accomplish:

Responsibilities Summary: The Baldwin County Highway Department employee responsible for performing inspection to determine if sewer spill has occurred.

BCHD GUIDELINES FOR OPERATIONS

Activity/Sub-Activity Description: Illicit Discharge Detection and Elimination / Hazardous Materials

Activity Code Number: 503

Administered by: Operations Section

Definition/Scope: This process is used by Baldwin County Highway Department employee(s) for dealing with spills that may contain hazardous materials. Any dangerous good (solid, liquid or gas) that can harm people, other living organisms, property or the environment is considered a hazardous material.

Customer: The customers for this process are the County Commission, the County Engineer, Department Heads, Citizens, Environmental Agencies and Highway Department staff.

Objectives: **LIFE SAFETY FIRST – I'M SAFE, YOU'RE SAFE, WE'RE SAFE**

- If safe to do so, remove any victim(s) from the immediate vicinity of the spill, remembering that they are contaminated
- Consider evacuation

Please refer to the 1996 North American Emergency Response Guidebook

Implementation Plan: (for spills containing petroleum based products)

- Spill only – less than 25 gallons, not in water – notify supervisor, dyke product to prevent runoff and initiate clean up procedures
- Spill only in excess of 25 gallons or in water – notify 911 and request EMA, notify supervisor, notify ADEM, dyke product to prevent runoff, and notify hazmat contractor for clean up
- Spill with injury – call 911 and request EMS, Fire Department and EMA, notify supervisor to notify HR, dyke product to prevent runoff (quantities still apply)

Critical Information:

- On Scene Contact Name
- On Scene Contact Number
- Location –physical address, street, mile marker, direction (East, West etc.)
- City or County
- Road/Lane closures
- Type of material spilled

Please refer to the attached contractor contact list for cleanup contractors needed during spills.

Follow-up Plan: Actions shall be taken to minimize the spill location

Procedure to Accomplish:

Responsibilities Summary: The Baldwin County Highway Department shall take immediate precautionary measures to ensure the spill is contained and the appropriate authorities have been notified.

Baldwin County Highway Department
Activity Listing
Sequenced by Id

Id	Description
003	Holiday
004	Sick Leave
005	Annual Leave
006	Subsistence
007	Jury Duty
008	Military Leave
010	Other Pay
011	Personal Leave
013	Administrative Leave
020	LWOP
021	Workman's Comp
023	Disability LWOP
105	PE
110	CE&I County Projects
112	Grassing Hydroseeding
114	Geotechnical Engineering
115	Property Acquisition
116	Util Permit, Inspect & Coordin
117	Right-of-Way Research
118	Right-of-Way Acquisition
119	Survey Field Work
120	Bridge Inspection
121	ROW Monument Installation
222	Paving Dirt Road
250	Construction Preparation
300	Sign/Replace Stolen/Vandalized
301	Sign Maint - Routine Maint
302	Sign Install New
303	Traffic Signal Maint
304	Thermoplastic Markings/Legends
305	Thermoplastic Striping
311	Paint Markings Legends
420	Asphalt Patching
430	Resurfacing
436	Paint Striping
447	Bridge Repair
457	Pavement Markers
464	Strip Patching
465	Resurfacing Preparation-RRR
466	Side Drain Repair/Replacement
467	Cross Drain Repair/Replace
468	Grading and Basing
469	Clearing and Grubbing
475	GPS Data Collection
480	Shoulder Improvements
481	Clip Shoulders
485	Sidewalk Maintenance
501	Cost Est Prep/County Roads
502	Cost Est Prep/Other Agencies
503	Environmental Permit Process
504	Traffic Control Device Inventory
505	AFM Program
506	Traffic Engineering
507	Emergency Disaster Work Mgt
508	Herbicide Spraying
509	Equipment Mgt Program
510	Pavement Mgt Program

Baldwin County Highway Department
Activity Listing
Sequenced by Id

Id	Description
511	Map Plan Review
512	Hydraulic Engineering
513	Install Emergency Signs
514	Sign Handling Preparation
515	Traff Control - Special Events
516	Kronos Time Mgt
517	E-mail Correspondence
518	Meetings Presentations
519	Personnel Mgt
520	Data Entry Reporting
521	Corresponding with Citizens
522	Agenda Item Preparation
523	Administrative Duties
524	Bids Contract Prep & Maint
525	Project Management
526	Highway Mgt Plan
527	Billings Invoices
528	Computer Program Operations
529	Adopt-a-Mile Program
530	Right-of-Way Vacations
531	Miscellaneous Permits
532	County Boat Launch Maintenance
533	County Building Maintenance
534	County Park Maintenance
535	County Water Access
536	County Walk Bike Trail Maint
537	Equipment Repair Maintenance
538	Road/Sign Inspection
539	CAD Work
540	Roadway Engineering
541	Bridge Engineering
542	Traffic Engineering
543	Site Engineering
544	Deed Preparation
545	Property Management
546	Budget
547	Brush & Tree Cutting Hand
548	Full Depth Reclamation
549	Front Desk Duties
550	Highway Setback Appeals
551	CE&I Contract Projects
552	Logistics
606	Blade Road
613	Graveling Dirt Road
614	Add Materials to Dirt Road
615	Ditching Dirt Roads
616	Ditching W Shovel
617	Clean & Repair Drain Structure
619	Install New Cross Drain
623	Inmate Transfer
624	Landscaping
625	Mowing
627	Brush & Tree Cutting Boom Mow
628	Erosion Ctrl Grass Hydroseed
645	Bridge Maintenance Clearing
659	Traffic Operation Improvements
663	Wash Out Flood Damage Repair

Baldwin County Highway Department
Activity Listing
Sequenced by Id

Id	Description
666	Emergency Maintenance Call Out
670	Install New Side Drain
671	Driveway Repairs
681	Equipment Transfer
682	Miscellaneous Shop Work
684	Training
688	County Functions
689	Overhead Support
690	Flagging/Traffic Control
691	Parks - Regular Maint
692	Material Handling
693	Transport Material
694	Litter Trash Pickup
695	Coordination w Gov't Agencies
696	Parks-Misc.
697	CIAP Construction Eng & Insp
801	Permit Division - Admin.
802	Subdivision Review & Permit
803	Subdivision Inspection
804	Indust. Commercial Permit Insp
805	Indust. Commercial Permit Revie
806	License Agreement Processing
807	Exemption Request
808	Rental Service
99	Debris Monitor

Ashley Campbell

ADEM COMPLAINT

From: Ashley Campbell
Sent: Friday, January 21, 2022 10:11 AM
To: 'eric.moyers@adem.alabama.gov'
Subject: FW: ADEM complaint # 3F-004HI7C03
Attachments: XXX XXX 003 10-05-2021 COMP 3F-004HI7C03 CAP 0 W C7F27E5D-A367-44B1-AF53-AC657B99ADF2.jpeg; 3Y-008UH8X66.pdf

Eric,
See highway's response below regarding ADEM complaint # 3F-004HI7C03.

Thanks

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



Creating a Clean Water Future for Generations to Come.....

From: Frank Lundy <FLundy@baldwincountyal.gov>
Sent: Friday, January 21, 2022 9:41 AM
To: Ashley Campbell <Ashley.Campbell@baldwincountyal.gov>
Subject: FW: ADEM complaint # 3F-004HI7C03

Ashley,
Just following up. We've added a crossdrain pipe to help resolve this issue.

Thanks,
Frank

From: Ashley Campbell <Ashley.Campbell@baldwincountyal.gov>
Sent: Wednesday, December 22, 2021 11:53 AM
To: Frank Lundy <FLundy@baldwincountyal.gov>
Subject: FW: ADEM complaint # 3F-004HI7C03

Cleaning house on my emails...Did I sent this one to you?

From: Moyers, Eric W <eric.moyers@adem.alabama.gov>
Sent: Tuesday, October 5, 2021 3:15 PM
To: erikc@fairhopeal.gov; Ashley Campbell <Ashley.Campbell@baldwincountyal.gov>
Subject: ADEM complaint # 3F-004HI7C03

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

Good afternoon,

The Department received the attached complaint regarding a water volume issue in the Fairhope area (11277 Wren Avenue). The complainant stated a damaged culvert could be a contributing factor. Could one of you look into this?

Thank you,

Eric Moyers
Environmental Scientist
Water Division
Alabama Department of Environmental Management
1400 Coliseum Boulevard
Montgomery, Alabama 36110
eric.moyers@adem.alabama.gov
Phone (334) 271-7945
adem.alabama.gov



Mission: Assure for all citizens of the state a safe, healthful and productive environment

Did you know you can submit your DMRs online using our newly enhanced E2 DMR Reporting System? To sign up and learn more, please visit the Department's E2 Reporting System webpage [here](#).

Ashley Campbell

ADEM COMPLAINT

From: Ashley Campbell
Sent: Tuesday, November 23, 2021 11:59 AM
To: Moyers, Eric W
Subject: Re: ADEM complaint # 5M-001WV8U51

Like Chester summarized below; It is a private property issue. The drainage belongs to the subdivision POA which does not exist.

From: Moyers, Eric W <eric.moyers@adem.alabama.gov>
Sent: Tuesday, November 23, 2021 11:23 AM
To: Ashley Campbell
Subject: RE: ADEM complaint # 5M-001WV8U51

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Ashley,

I received a call from Mr Mears today. Have you had any success with this one?

Eric

-----Original Message-----

From: Ashley Campbell <Ashley.Campbell@baldwincounty.al.gov>
Sent: Tuesday, November 9, 2021 9:33 AM
To: buildingofficial@cityofspanishfort.com; Moyers, Eric W <eric.moyers@adem.alabama.gov>
Cc: 'Casey Rains' <environment@cityofspanishfort.com>
Subject: Re: ADEM complaint # 5M-001WV8U51

I have talked to this complainant several times. It is a private property issue for the subdivision POA. I do not believe there is an active POA. I will look into it again and follow-up soon.

From: buildingofficial@cityofspanishfort.com <buildingofficial@cityofspanishfort.com>
Sent: Monday, October 25, 2021 12:47:45 PM
To: 'Moyers, Eric W'; Ashley Campbell
Cc: 'Casey Rains'
Subject: RE: ADEM complaint # 5M-001WV8U51

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Eric,
The complainant lives in the Baldwin County Jurisdictional area. Therefore the City does not have responsibility for regulations or

maintenance. I have spoken to him in the past related to his issue as well as I believe the Baldwin County representatives have. The "right of way" he mentions is actually a drainage and utility easement that was identified during development of the neighborhood. The easement is not dedicated to any municipality or government entity. It is for the purpose of access for drainage and utilities. Ms. Campbell can possibly speak further on the Baldwin County regulations and or information related to this case.

Chester Patterson
City of Spanish Fort, Alabama
Building and Zoning Official
Office: 251-410-6509
Cell: 251-591-4302

From: Moyers, Eric W <eric.moyers@adem.alabama.gov>
Sent: Monday, October 25, 2021 12:30 PM
To: buildingofficial@cityofspanishfort.com; Ashley.Campbell@baldwincountyal.gov
Subject: ADEM complaint # 5M-001WV8U51

Good afternoon,

The Department received the attached complaint regarding stormwater in Spanish Fort. The complainant refers to a sink hole, overgrown right-of-way, and flooding. This does not seem to be an active construction project that would be addressed by our construction stormwater branch. Could someone look into this and provide an update to the situation?

Thank you,

Eric Moyers
Environmental Scientist
Water Division
Alabama Department of Environmental Management
1400 Coliseum Boulevard
Montgomery, Alabama 36110
eric.moyers@adem.alabama.gov<mailto:eric.moyers@adem.alabama.gov>
Phone (334) 271-7945

https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Flinkprotect.cudasvc.com%2Furl%3Fa%3Dhttps%253a%252f%252fadem.alabama.gov%26c%3DE%2C1%2CcVe6y_IBxk3_w4K4P8YnUU_MdPnEZKwz0ukU7X4dzlthrDOWzTtaq9DfBkGgJgHt5RM_XU_bLTYKzUOcVyHcQf4sq42ml1ckujtMh-mUvOlo95_6w%26typo%3D1&data=04%7C01%7C%7C3eaac3fc877a41fc58c108d9aea5f86d%7Ca1dbbb3c47f8420e932cbb4942e61768%7C0%7C0%7C637732850125161634%7CUnknown%7CTWFpbGZsb3d8eyJWljojMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTil6Ik1haWwiLCJXVCi6Mn0%3D%7C3000&data=wam2LoPtrosq3xgqkCvzPRZQfvx63bTIP09u7oOxc%3D&reserved=0

[cid:image001.gif@01D7C99E.638C3DF0]

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To sign up and learn more, please visit the Department's E2 Reporting System webpage

here<<https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fadem.alabama.gov%2FNPDES%2FPages%2FMain%2Flogin.aspx%3FReturnUrl%3D%252fNPDES%252fPages%252fMain%252fHome.aspx%253fDestination%253d%27Home%26Destination%3D%27Home&data=04%7C01%7C%7C3eaac3fc877a41fc58c108d9aea5f86d%7Ca1dbbb3c47f8420e932cbb4942e61768%7C0%7C0%7C637732850125161634%7CUnknown%7CTWFpbGZsb3d8eyJWljojMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTil6Ik1haWwiLCJXVCi6Mn0%3D%7C3000&data=plu1WYbfQ9DI%2FJ4ujTKlUGzHI0pJWjKOlhfwlhwkfl%3D&reserved=0>>.



Appendix B-5 IDDE Complaints

WELCOME to the BALDWIN COUNTY CITIZENSERVE PORTAL

In this portal, you may submit Planning & Zoning Department applications and Building Department permit applications. You may also upload construction plans and required documents, check application review status, pay fees, schedule inspections, and much more.

The portal is compatible with most tech devices - phones, tablets, laptops, and desktop computers. You can log in anytime and anywhere - from your office, home, or even from the jobsite. The portal is most compatible with the Google Chrome internet browser.

PLANNING AND ZONING DEPARTMENT

In this section, you may submit Planning, Zoning, and Subdivision type applications such as Site Plan Approvals (Land Use Certificates), Land Disturbances, Zoning Verifications, Subdivision Approvals, and more....



BUILDING DEPARTMENT

In this section, you may submit applications for Buildings, Re-Roofing, Accessory Structures, Mobile/Modular Homes, Demolitions, Swimming Pools, Marine Accessories, Electrical, Mechanical,

Plumbing, and more...



BALDWIN COUNTY ENVIRONMENTAL COMPLAINTS

To submit an environmental complaint, please send an email to concernedcitizen@baldwincountyal.gov (mailto:concernedcitizen@baldwincountyal.gov)



2021-2022 MS4 Area Complaints

File#	Open Date	Description	Address	File Type
22-000229	01/11/2022	Excavator working in Fly Creek.	22420 SEA CLIFF DR	Planning & Zoning
21-005791	07/14/2021	Doing site work without a land disturbance	30026 D'Olive Road	Planning & Zoning
21-006790	08/23/2021	Clearing lot with no Land Disturbance permit.	0 POLO RIDGE BLVD	Planning & Zoning
	8/30/2021	Asphalt dumped into creek	Willow Bridge, Fairhope	Planning & Zoning
		(Appendix B)		

Ashley Campbell

From: Moyers, Eric W <eric.moyers@adem.alabama.gov>
Sent: Wednesday, December 22, 2021 2:16 PM
To: Ashley Campbell
Subject: RE: 1U-000PE6T77

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, I will let our construction guys know.

Just an update on the Estes Express, we have requested an inspection form our field office. The site appears to have a tank registration, but may require a general permit. We will know more after the inspection.

Eric

From: Ashley Campbell <Ashley.Campbell@baldwincountyal.gov>
Sent: Wednesday, December 22, 2021 2:04 PM
To: Moyers, Eric W <eric.moyers@adem.alabama.gov>
Subject: RE: 1U-000PE6T77

Lack of permit.

From: Moyers, Eric W <eric.moyers@adem.alabama.gov>
Sent: Wednesday, December 22, 2021 1:48 PM
To: Ashley Campbell <Ashley.Campbell@baldwincountyal.gov>
Subject: 1U-000PE6T77

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,

I got your web submission regarding the disturbed site near Glass Road in Robertdale. Are there some environmental concerns or just a possible lack of a permit?

Eric Moyers
Environmental Scientist
Water Division
Alabama Department of Environmental Management
1400 Coliseum Boulevard
Montgomery, Alabama 36110
eric.moyers@adem.alabama.gov
Phone (334) 271-7945
adem.alabama.gov



Mission: Assure for all citizens of the state a safe, healthful and productive environment

NEW ADEM ELECTRONIC SYSTEM: Alabama Environmental Permitting and Compliance System (AEPACS)

AEPACS is an electronic system that allows facilities to apply for and maintain permits as well as submit other required applications, registrations, and certifications. In addition, the system allows facilities to submit required compliance reports or other information to the Department. For general information about AEPACS, go to: <http://adem.alabama.gov/egov/AEPACS.cnt>. For NPDES and SID program specific information about AEPACS, go to <http://adem.alabama.gov/egov/AEPACSwater.cnt>.

If you have questions or need assistance with AEPACS, please contact the ADEM Web Portal/AEPACS Help Desk at ademwebportal@adem.alabama.gov. The email box is monitored Monday through Friday, 7:00 am –5:00 pm.

From: [Summersell, Steven G](#)
To: [Ashley Campbell](#)
Subject: Complaint Number 8D-005UX4L58 Estes Express Lines
Date: Friday, January 7, 2022 5:11:27 PM

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,

I inspected Estes Express Lines on 1/5/2021. I pointed out incidental oil spillage all around a small storage shed and the Terminal Manager, Shane More, stated that he would get it cleaned up and put more effective BMPs in-place. Also, they are discharging stormwater without permit to a potential wetland that appears to be a UT to Threemile Creek.

Thanks,
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) 450-3400
adem.alabama.gov
ssummersell@adem.alabama.gov



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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

***** RECORD OF COMPLAINT *****

Generated 8/30/2021 7:20:57 AM

Complaint #: 3P-006SE7S12 Assigned to Air: _____

Method Received: Web Assigned to Land: _____

Date Received: 8/29/2021 11:15 AM Assigned to Water: Eric Moyers

Received By: Web Complaint Assigned to Coastal: _____

Date Observed: _____ **Complaint Issues:** Water - Surface Water

DESCRIPTION: American Asphalt in Fairhope, AL allowed excess material/waste to enter Point Clear Creek while sealing the asphalt roads along Beaver Creek Drive in the Azalea Ridge subdivision in Fairhope, AL. There is an oily substance with a strong petroleum odor all over the ground and in the waterway of Point Clear Creek.; Observed: August 28, 2021

LOCATION: BALDWIN County 30.4800 LAT -87.9000 LON
 HUC12: 031602050205

American Asphalt, LLC
 Willowbridge Dr
 Fairhope AL 36532

Directions:
 The area is between Beaver Creek Dr and Willowbridge Dr in Fairhope, AL. It is most obvious along the No. 13 fairway of Lakewood Golf Course (Point Clear Creek waterway).

COMPLAINANT: _____

POTENTIAL SOURCE(S): None listed.

ACTIONS TAKEN

Water

View a detailed map for your map.

StreetView

Old Battles Place Aptarime

Point Cle

Section St

Point Clear Creek @ Beaver Creek Dr

Point Clear Creek @ Willowbridge Dr

Beaver Creek Dr

Point Ridget Blvd

Dilana Norman Realty

Beaver Creek Dr

Willowbridge Dr



ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

***** RECORD OF COMPLAINT *****

Generated 8/30/2021 7:31:07 AM

Complaint #: 5V-005KH1S52 Assigned to Air: _____
Method Received: Web Assigned to Land: _____
Date Received: 8/28/2021 9:42 AM Assigned to Water: Eric Moyers
Received By: Web Complaint Assigned to Coastal: _____
Date Observed: 8/28/2021 Complaint Issues: Water - Surface Water

DESCRIPTION: American Asphalt Company is "sealcoating" the private streets in our neighborhood, Azalea Ridge Subdivision in Point Clear. Apparently yesterday, August 27, they dumped a significant amount of their asphalt sealcoating material into Point Clear Creek where it crosses Beaver Creek Drive. All downstream water from this point in Point Clear Creek and ultimately Mobile Bay, and especially wildlife will be affected. The attached pictures show a portion of the next to 6730 Beaver Creek Drive

Upon contacting them, they say "it is petroleum-based and not harmful to the environment." It is hard to imagine this gooey asphalt material is not harmful to wildlife, both in the creek and Mobile Bay, as well as plant life.; Observed: Saturday, August 28, 2021

LOCATION: BALDWIN County LAT LON

American Asphalt Company,
Beaver Creek Drive @ Point Clear Creek
Fairhope AL 36532

Directions:
Go south from Fairhope on US 98 to Baldwin County 34. Turn R and go to County Road 3. turn L and go to entrance to Azalea Ridge at top of hill. Turn R on Beaver Creek Drive and go to first bridge. It is visible to the left off the bridge.

Or put 6730 Beaver Creek Drive in your GPS

COMPLAINANT:

POTENTIAL SOURCE(S): *None listed.*

ACTIONS TAKEN

Water

















Ashley Campbell

From: Ashley Campbell
Sent: Tuesday, August 31, 2021 7:11 AM
To: Kim Burmeister
Cc: eric.moyers@adem.alabama.gov; Erik Cortinas
Subject: Re: ADEM complaints 5V-005KH1S52, 3P-006SE7S12

I inspected the site yesterday - *See ADEM Email Dana Deason*

Sent from my iPhone

> On Aug 31, 2021, at 7:06 AM, Kim Burmeister <kim.burmeister@fairhopeal.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.

>

> _____

> Eric, this is now within Baldwin County's area for run off concerns, so Ashley is the appropriate contact.

>

> Kim

>

> From: Moyers, Eric W <eric.moyers@adem.alabama.gov>

> Sent: Monday, August 30, 2021 10:03 AM

> To: Kim Burmeister <kim.burmeister@fairhopeal.gov>; Ashley Campbell

> <Ashley.Campbell@baldwincountyal.gov>

> Subject: ADEM complaints 5V-005KH1S52, 3P-006SE7S12

>

>

> SENT FROM AN EXTERNAL ADDRESS

>

> _____

>

> Good morning,

>

> The Department received the attached complaints regarding American

> Asphalt dumping sealcoating material in Point Clear Creek in Fairhope on 8/28/21. Two locations were listed near Beaver Creek Drive and Willowbridge Drive. Photos show a dark material in the water and staining on the ground. No impacts to wildlife have been reported at this time.

>

> I am not sure if this area is within Fairhope's or Baldwin County's coverage area. Could someone review the attachments and check into this issue?

>

> Thank you,

>

> Eric Moyers

> Environmental Scientist

> Water Division

> Alabama Department of Environmental Management

> 1400 Coliseum Boulevard

> Montgomery, Alabama 36110
> eric.moyers@adem.alabama.gov<mailto:eric.moyers@adem.alabama.gov>
> Phone (334) 271-7945
> adem.alabama.gov
>
> [cid:image001.gif@01D79D6F.E08AC340]
> Mission: Assure for all citizens of the state a safe, healthful and
> productive environment
>
> Did you know you can submit your DMRs online using our newly enhanced E2 DMR Reporting System?
> To sign up and learn more, please visit the Department's E2 Reporting System webpage
here<<https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fadem.alabama.gov%2FNPDES%2FPages%2FMain%2Flogin.aspx%3FReturnUrl%3D%252fNPDES%252fPages%252fMain%252fHome.aspx%253fDestination%253d%27Home%26Destination%3D%27Home&data=04%7C01%7C%7Cf630ec10a8d74ff74e0c08d96c77c982%7Ca1dbbb3c47f8420e932cbb4942e61768%7C0%7C0%7C637660084058102181%7CUnknown%7CTWFpbGZsb3d8eyJWlloiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikl1haWwiLCJXVCi6Mn0%3D%7C1000&sdata=L9Xqcq%2BerYC%2FzIM012ODH57Qnp%2B5K1Va2ZTToYQZ7SE%3D&reserved=0>>.
>

19/03/18



esdale
Baldwin County Inspector
No Evidence of asphalt spill
Rain washed away.



Ashley Campbell

From: Denson, Dana T <DDenson@adem.alabama.gov>
Sent: Wednesday, September 1, 2021 9:06 AM
To: Ashley Campbell
Subject: FW: Point Clear Creek

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

For this one, Joie Horn went to look at it but it had washed through. Chris Harris stated the Asphalt Co. claimed they did do it via a phone conversation. I don't know what will happen but he stated EPA will be contacted.

Dana Denson

Alabama Dept. of Environmental Management
Field Operations Division, Mobile Facility Unit
2204 Perimeter Road
Mobile, AL 36615
Phone: (251) 450-3400



From: Jimmy Barton II <jbarton.realtor@gmail.com>
Sent: Tuesday, August 31, 2021 10:01 PM
To: Denson, Dana T <DDenson@adem.alabama.gov>
Subject: Re: Point Clear Creek

Hi Dana,

I spoke with Ashley Cambell with Baldwin County on Sunday. She came by to take a look but it was raining and water was flowing over this area. I was gone all day today so I don't know if it has dried up or not. I think the pictures speak for themselves... Please let me know when you know something. Thanks, Jimmy

Jimmy Barton II
251-752-2420

On Tue, Aug 31, 2021 at 10:05 AM Denson, Dana T <DDenson@adem.alabama.gov> wrote:

Mr. Barton,

If you haven't heard from an ADEM rep yet, we have some folks working on this complaint.

Thank-you

Dana Denson

Alabama Dept. of Environmental Management

Field Operations Division, Mobile Facility Unit

2204 Perimeter Road

Mobile, AL 36615

Phone: (251) 450-3400



From: Jimmy Barton II <jbarton.realtor@gmail.com>

Sent: Sunday, August 29, 2021 10:20 AM

To: Denson, Dana T <DDenson@adem.alabama.gov>

Cc: Connole, Timothy N <TNC@adem.alabama.gov>; Cade Kistler <ckistler@mobilebaykeeper.org>

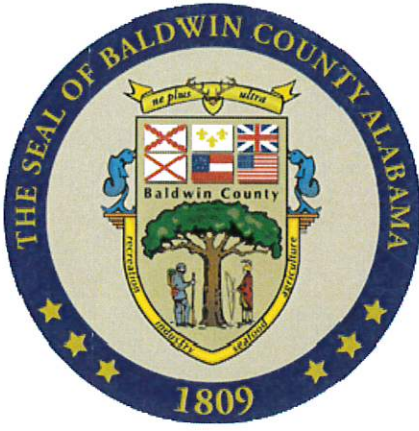
Subject: Fwd: Point Clear Creek

Hi Dana,

I am President of Point Clear Stables POA and also live along Point Clear Creek. I heard late yesterday afternoon that an asphalt company (I'm told it was American Asphalt in Fairhope) dumped all of their excess materials/waste into Point Clear Creek after sealing the roadway in the adjacent subdivision to the north (Azalea Ridge). I've attached pictures of an area along Lakewood Golf Course (No. 13) just north of my house and also have water/soil samples. It appears to be a petroleum based product and has a very strong odor. I'm not sure how the rain will effect this issue but it appears to have seeped into the ground. Please let me know what can be done to rectify this issue. Thanks, Jimmy Barton

Jimmy Barton II

251-752-2420



Appendix C-1

2.5.2 Construction Site Storm Water Runoff Control-Permitting, Plan Review, Construction Site Inventory and Inspections

MS4 Issued Land Certificates

Issue Date From: 04/01/2021

Issue Date To: 03/31/2022

Permit#	Address	Status	Issued	Payments
LU21-000307	11174 LAKE CIR	Issued	04/01/2021	25.47
LU21-000290	6920 OAK LN	Issued	04/05/2021	25.47
LU21-000349	9888 CO RD 64	Issued	04/06/2021	25.47
LU21-000143	11417 RIVER BIRCH ST	Issued	04/09/2021	25.00
LU21-000363	8 MOLOKAI LN	Issued	04/14/2021	25.00
LU21-000376	9686 PINTAIL CT	Issued	04/15/2021	25.47
LU21-000377	11029 LAKE CIR	Issued	04/15/2021	25.47
LU21-000371	22454 SEA CLIFF DR	Issued	04/20/2021	25.47
LU21-000425	25098 JERNIGAN ST	Approved	04/30/2021	25.47
LU21-000488	23825 U S HWY 98	Issued	05/17/2021	25.47
LU21-000487	27680 N County RD 66	Issued	05/19/2021	25.47
LU21-000466	7766 LAKE BLVD	Issued	05/25/2021	25.47
LU21-000582	11182 ELYSIAN CIR	Approved	06/10/2021	25.47
LU21-000596	10975 ELYSIAN CIR	Issued	06/15/2021	25.47
LU21-000606	34283 Farrington Lane	Approved	06/18/2021	25.47
LU21-000655	27262 COUNTY RD 66 N	Approved	06/25/2021	25.47
LU21-000699	24609 PLANTERS DR	Approved	07/15/2021	25.47
LU21-000467	24161 BAY SHORE DR	Issued	07/16/2021	25.47
LU21-000478	1 ONE GRAND BLVD	Denied	07/20/2021	643.14
LU21-000737	9353 BASCAYNE CIR	Closed	07/27/2021	25.47
LU21-000735	8247 WALTON RD	Issued	07/29/2021	25.47
LU21-000722	24283 BAY SHORE DR	Issued	08/02/2021	25.47
LU21-000633	9655 MILTON JONES RD	Approved	08/03/2021	610.64
LU21-000736	5530 BATTLES RD	Issued	08/03/2021	25.47
LU21-000792	13555 US HWY 90	Issued	08/12/2021	0.00
LU21-000796	27376 BAY BRANCH DR	Issued	08/20/2021	25.47
LU21-000836	9353 BASCAYNE CIR	Issued	08/25/2021	25.47
LU21-000810		Approved	08/26/2021	25.47
LU21-000845	7334 DELLWOOD CREEK CIR	Issued	09/02/2021	50.95
LU21-000842	23835 THIRD ST	Issued	09/09/2021	25.47
LU21-000788	11211 HERSCHEL LOOP	Approved	09/21/2021	25.00
LU21-000911	95 ROBBINS BLVD	Issued	09/27/2021	25.47
LU21-000942	7633 Lake BLVD	Approved	10/01/2021	25.47
LU21-000946	7633 Lake BLVD	Approved	10/01/2021	25.47
LU21-000912	10901 WARRENTON RD	Approved	10/12/2021	25.47
LU21-000951	14821 sims LN	Approved	10/12/2021	25.00
LU21-000962	23813 MAIN ST	Issued	10/25/2021	25.47
LU21-000896	10758 CO RD 64	Approved	12/14/2021	191.06
LU21-000923		Issued	01/07/2022	25.47
LD21-000039	30860 STATE HWY 181	Issued	06/22/2021	50.95
LD21-000058	9655 MILTON JONES RD	Issued	07/27/2021	50.95
LD21-000065	23835 THIRD ST	Issued	07/27/2021	25.47
LD21-000076	22702 MAIN ST	Issued	08/16/2021	50.95
LD21-000089	17795 POLO RIDGE BLVD	Issued	08/25/2021	25.47
LD21-000096	10834 CO RD 64	Issued	09/16/2021	25.47
LD21-000086	7135 GABLE ST	Issued	10/04/2021	50.95
LD21-000134	25801 CO RD 54 W	Approved	10/28/2021	76.43

LD21-000153	18145 SCENIC HWY 98	Approved	11/19/2021	25.47
LD22-000028	17260 SCENIC HWY 98	Approved	02/24/2022	76.43
LD22-000030	10580 COUNTY RD 64	Approved	02/24/2022	50.95
ZSP21-000009	10145 COUNTY RD 64	Closed	10/25/2021	25.47
ZSP21-000008	7320 MILITARY BRIDGE DR	Issued	10/28/2021	25.47
ZSP21-000013	23813 MAIN ST	Issued	11/01/2021	25.47
ZSP21-000035	25867 TEALWOOD DR	Approved	11/17/2021	25.47
ZSP21-000091	6780 S WINDING BROOK DR	Approved	11/17/2021	25.47
ZSP21-000098	7135 GABLE ST	Approved	11/18/2021	25.47
ZSP21-000120		Issued	11/18/2021	25.47
ZSP21-000172	28192 BAY BRANCH DR	Closed	12/10/2021	25.47
ZSP22-000088	9000 ALPINE CT	Approved	02/07/2022	25.47
ZSP22-000121	9657 STAGECOACH COMMERCIAL PK CIR	Approved	02/10/2022	25.47
ZSP22-000171		Issued	02/18/2022	25.47
ZSP22-000155	6850 BEAVER CREEK DR	Approved	03/09/2022	25.47
ZSP22-000252	23777 3RD ST	Issued	03/09/2022	25.47
ZSP22-000262	9544 COLLIER LOOP	Issued	03/15/2022	25.47
ZSP22-000133	6671 N WINDING BROOK DR	Approved	03/16/2022	25.47
ZSP22-000316	9692 Malbis LN	Approved	03/22/2022	25.47
ZSP22-000317	9674 MALBIS LN (Lot 1A)	Approved	03/23/2022	25.47
	Total Land Disturbance Count:	8		
	Total Land Use Certificate Count:	37		
	Total Site Plan Approval (Land Use) Count:	2		
	Total Zoning - Land Disturbance Count:	3		
	Total Zoning - Site Plan Approval Count:	4		
	Total Zoning - Site Plan Approval(Land Use Certificate) Count:	13		



BALDWIN
COUNTY
ALABAMA

PLANNING AND ZONING DEPARTMENT

Main Office - 251.580.1655
22251 Palmer St.
Robertsdale, AL 36567

Foley Office - 251.972.8523
201 East Section Ave.
Foley, AL 86535

Zoning - Site Plan Approval Certificate

Case # ZSP22-000317

Issue Date: 03/23/2022 / Expiration Date: 09/23/2022

An approved Zoning - Site Plan Approval does not constitute approval for a building permit.

This certificate is valid for a six (6) month period after date of issuance.

Any changes which vary from the approved plans will result in the requirement of a new Zoning - Site Plan Approval.

Applicant

Deborah Fischer
PO BOX 398
Daphne AL 36526

PO BOX 398

Daphne AL 36526

Property Owner

DEBORAH AND KEVIN FISCHER
P O Box 398

Daphne, AL 36526

Site Information

Parcel ID Number: 05-32-08-34-0-000-002.084|

Physical Address (E-911): 9674 MALBIS LN (Lot 1A) Daphne, AL 36526

Project Information

Applicant's Description of Work: New Construction of House

Office Verification

Type of Use: New Construction Alteration Repair Accessory Structure Demolition

Zoning Classification: RSF-1 Single Family District / Planning District: 15: Belforest

Flood Zone(s): X / Potential Wetlands: No / ARB: Malbis|

For Residential, Number of Dwelling Units/Structures: 1

Planner's Comments: APPROVAL FOR LOT 1A ONLY - LOT 1B NOT REVIEWED / APPROVED

Payment Information

Total Fees: \$25.47

Amount Paid: \$25.47

Balance Due: \$0.00

Date	Type	Reference	Receipt	ReceivedFrom	Amount
03/22/2022	Credit	V-43286429396	2067	Deborah Fischer	25.47

FISHER HOMES SITE PLAN



SILT FENCE
 GRAVEL CONSTRUCTION
 EROSION CONTROL MAT

91074
 malbis
 Lane

DATE: FEB. 2, 2022

Watchman Builders, LLC

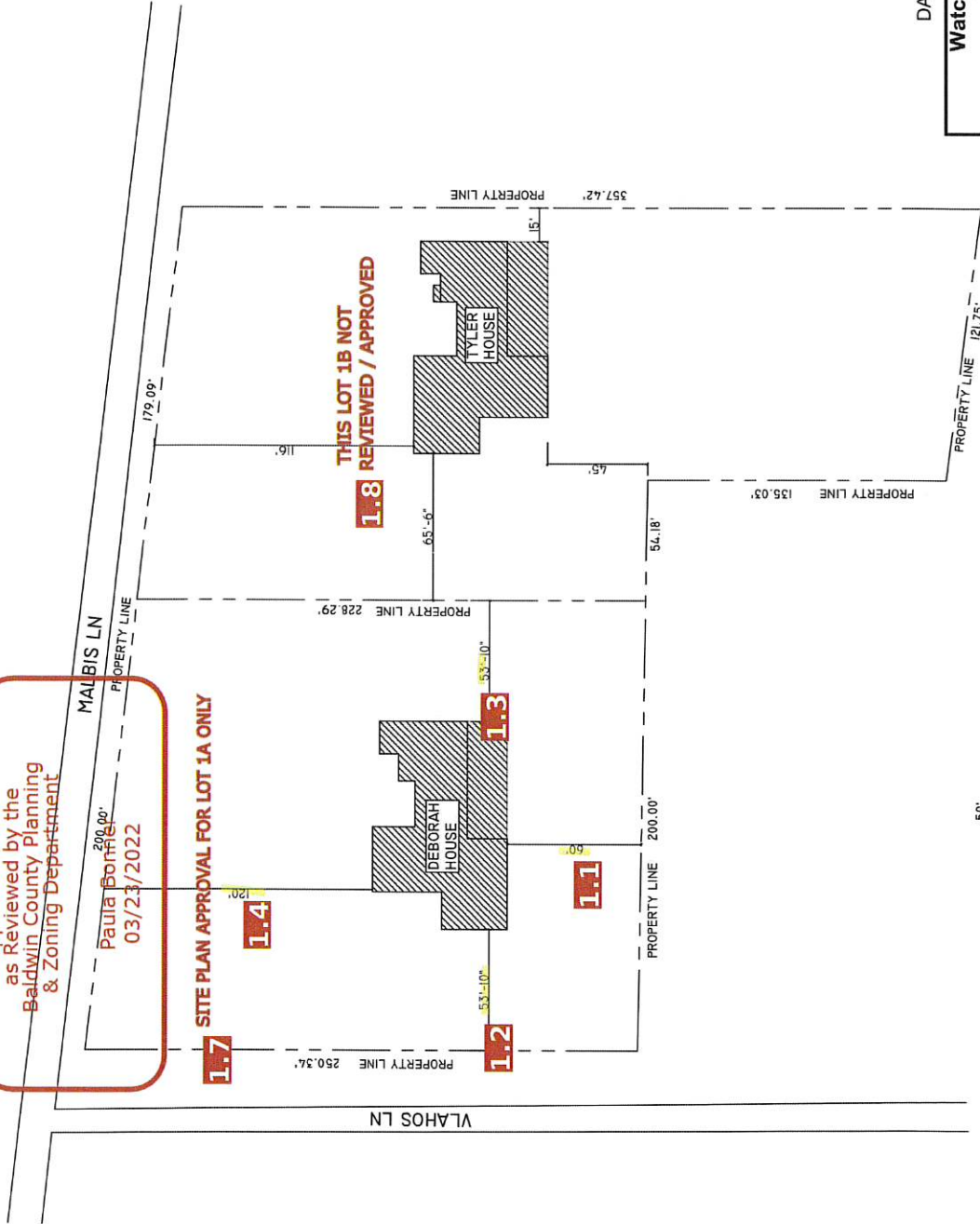
11956 Fieldcrest Lane
 Fairhope, AL 36532
 Ph. 251-550-1890
 www.watchmanbuildersllc.com
 Contact: Adam Topolnicki



FISHER HOMES SITE PLAN

Approved Plans
as Reviewed by the
Baldwin County Planning
& Zoning Department

Paula Bonifas
03/23/2022



DATE: FEB. 2, 2022

Watchman Builders, LLC
11966 Fieldcrest Lane
Fairhope, AL 36532
Ph. 951-550-1290
www.watchmanbuildersllc.com
Contact: Adam Topolnicki

2021-2022 MS4 Area Complaints

File#	Open Date	Description	Address	File Type
22-000229	01/11/2022	Excavator working in Fly Creek.	22420 SEA CLIFF DR	Planning & Zoning
21-005791	07/14/2021	Doing site work without a land disturbance	30026 D'Olive Road	Planning & Zoning
21-006790	08/23/2021	Clearing lot with no Land Disturbance permit.	0 POLO RIDGE BLVD	Planning & Zoning

No image found for this file, click here to upload an image

CODE CASE

FILE #: 21-005791

MAIN ST FAIRHOPE AL 36532

DOING SITE WORK WITHOUT A LAND DISTURBANCE



- Markup Document
- Send Letter
- Send Email
- Add Document
- Schedule follow-up
- Save



ACTIVITY INFORMATION

Department
Planning and Zoning Department

Activity Type
Complaint

Assign To
Vince Ramer

Created On
07/14/2021 by Paula Bonner

Notes
Robert and Elizabeth Thomson - Doing site work without a land disturbance
Land disturbance issued 8-16-21 VR



DATES

Start Date
07/14/2021

Due Date

Completion Date
08/16/2021

Status
Complete

COMPLAINT TYPES

- Flood Complaint
- Erosion and Sediment Control
- Illicit Discharge Complaint-Illegal Dumping into storm drains
- Illegal Dump
- More than two dwellings
- RV Complaint
- Stormwater Complaint
- Setback
- Working without a Permit
- Wetland Violation
- Zoning Violation

Other



PERMIT PROJECT
 FILE #: 21-006289
 22702 MAIN ST FAIRHOPE AL 36532
 INSTALL DRIVEWAY AND CLEAR ROOM FOR A FUTURE HOMESITE



PERMIT #: LD21-000076

Permit Type

Land Disturbance

Subtype

Land Disturbance

Work Description:

Install driveway and clear room for a future homesite

Applicant

ROBERT THOMSON

Status

Issued

Valuation

0.00



FEES & PAYMENTS

Plan Check Fees

0.00

Permit Fees

50.95

Total Amount

50.95

Amount Paid

50.95

Balance Due

0.00

Non-Billable



PERMIT DATES

Application Date

08/04/2021

Approval Date

08/16/2021

Issue Date:

08/16/2021

Expiration Date:

02/16/2022

Close Date

08/16/2021

Last Inspection

CONTACTS

Are you, as the applicant, also the current property owner?

Yes

Current Property Owner Name(s)

Robert H Thomson IV & Elizabeth Thomson

Mailing Street Address

30026 Dolive Ridge Spanish Fort AL 36527

Contact Phone Number

251-370-4742

Contact Email Address
rthomson4@gmail.com

SITE INFORMATION

E911 Physical Address (include City, State, Zip)
22702 Main St Fairhope AL 36532

Parcel Number(s) (Please include all parcels that will be disturbed.): - ZLD

To obtain a Parcel Number, locate it on the property tax bill, contact the local Revenue Commissioner office, or search online (click this link).

Subdivision/Lot/Unit #

Actual Lot Size (in acres)

Approximate Lot Dimensions

Are there existing structures on the property

No

PROJECT INFORMATION

Type of Activity (Check all that apply. One checkbox is required.)

Filling

Grading

Excavating

Dredging

Is there an Erosion Control Plan?

Yes

Type of Erosion Control

Silt Fence

Proposed Installation Date

08/09/2021

Contractor or Engineer License #

17258

Are you submitting a Re-Vegetation Plan?

No

Is there existing vegetation on the site?

Yes

Describe the type of vegetation (ex. trees, bushes, etc.)

Trees, bushes, kudzu, bamboo

Is the project greater than one (1) acre of disturbance?

No

Is the project greater than five (5) acres of disturbance?

No

Is the project located below the ten (10) foot contour?

No

ADEM Notice of Intent # (if applicable)

US Army Corps of Engineers Permit # (if applicable)

SUBMITTAL DOCUMENTS

Note: Documents marked with a red line must be uploaded before application can be submitted. Other documents may be deemed necessary and requested during the review of the application.

1 Address Verification Letter

(Optional) Proof of Property Ownership (ex. Deed or Tax Bill)

Site Plan, Plot Plan or Survey showing existing AND proposed structure(s)

SITESCHEMATIC-Layout1.pdf



Erosion Control Plan

scan(28).pdf



Re-Vegetation Plan

Highway Department Permit (Culvert/Driveway)

US Fish & Wildlife Permit

State Lands Permit Confirmation

ADEM/Notice of Intent

ADEM/Coastal Consistency Permit

Miscellaneous Documents

****** OFFICE USE ONLY ******

Number of Activities (\$25 each)

2

Zoning Classification

RSF-2 Single Family District

Planning District

16: Montrose

Flood Zone1

X

Flood Zone2

Flood Zone3

Potential Wetlands

No

ARB

No

MS4

Comments (to be printed on applicant's generated document)

APPROVAL FOR LAND DISTURBANCE ONLY. A LAND USE CERTIFICATE IS REQUIRED FOR PROPOSED DWELLING.

***Check to Apply Credit Card Convenience Fee ONLY if customer is paying in the office by credit card.**

FEES



FEE	DESCRIPTION	QUANTITY	AMOUNT	TOTAL
-----	-------------	----------	--------	-------

FEE	DESCRIPTION	QUANTITY	AMOUNT	TOTAL
Land Disturbance Fee				50.00
Convenience Fee		1.0	0.9500	0.95
Plan Check Fees				0.00
Permit Fees				50.95
Total Fees				50.95

PAYMENTS



DATE	TYPE	REFERENCE	NOTE	RECEIPT #	RECEIVED FROM	AMOUNT
08/12/2021	Credit	4286283264	LD21-000076	9329	- ROBERT TH	50.00
08/12/2021	Credit	4286283266	Convenience	9330	- ROBERT TH	0.95
Amount Paid						50.95
Balance Due						0.00



BALDWIN COUNTY COMMISSION

PLANNING AND ZONING DEPARTMENT

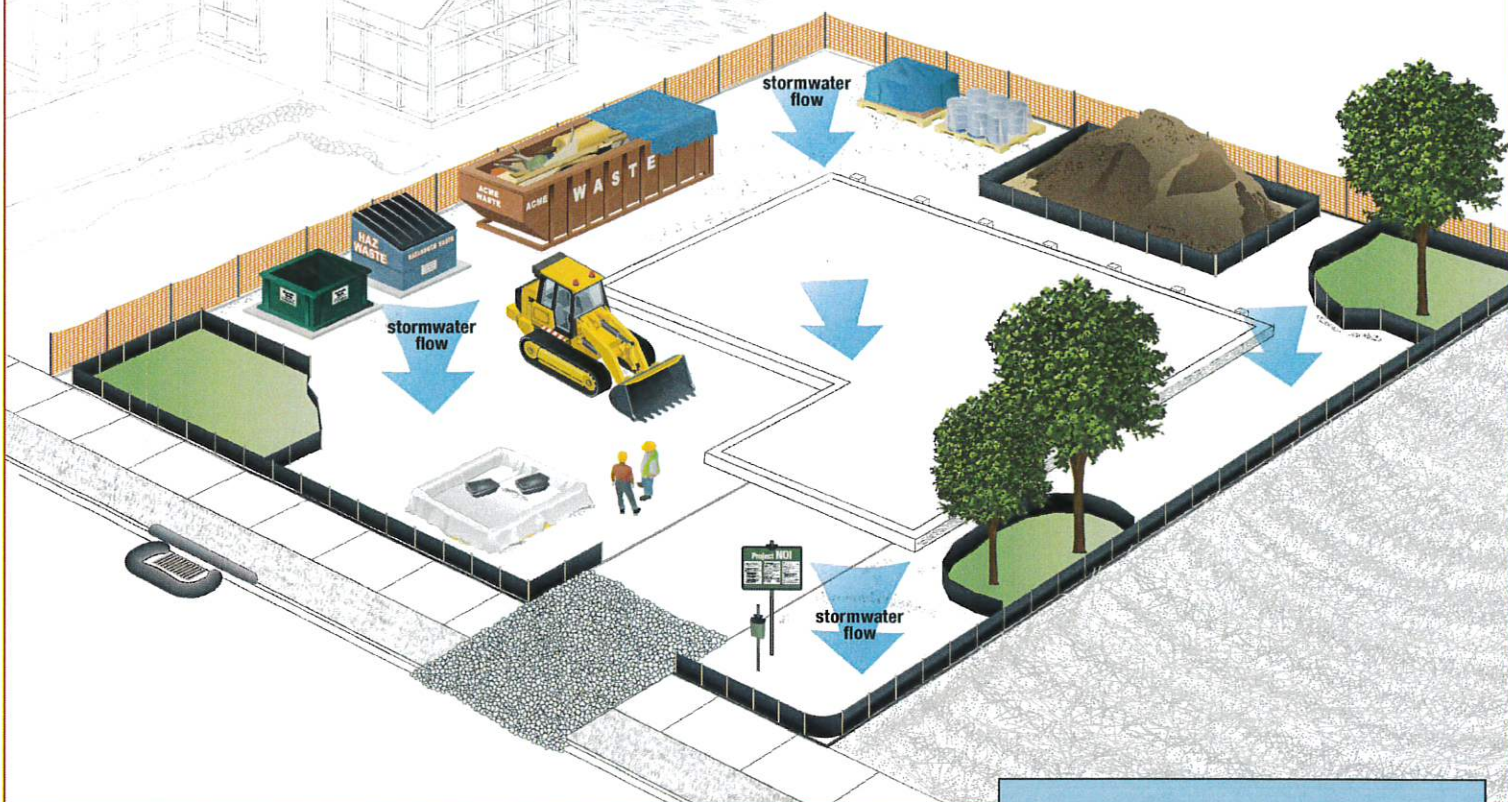
Main Office
22251 Palmer Street
Robertsdale, AL 36567
Phone: (251) 580-1655
Fax: (251) 580-1656

Foley Office
201 East Section Avenue
Foley AL 36535
Phone: (251) 972-8523
Fax: (251) 972-8520

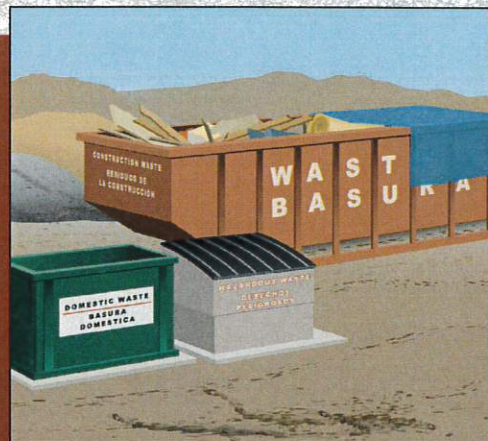
Land Disturbance

Application Submittal Checklist

- _____ **Baldwin County Land Disturbance Application**
- _____ Application Fee (*see current fee schedule*)
- _____ Agent Authorization Form (*if person other than property owner is applying*)
- _____ Plot Plan or Survey – indicating any existing structures (*with dimensions*), the proposed structure (*with dimensions*) and the setbacks from property lines.
- _____ Revegetation Plan
- _____ Erosion Control Plan
- _____ If area to be disturbed is greater than one (1) acre, an ADEM permit shall be required.
- _____ Any other information deemed necessary to complete review



Stormwater Pollution Prevention for Small Residential Construction Sites



10 Steps to Stormwater Pollution Prevention on Small Residential Construction Sites

Stormwater management on small residential construction sites need not be complicated.

1 Protect Any Areas Reserved for Vegetation or Infiltration and Preserve Existing Trees

If you will be installing infiltration-based features such as rain gardens or bioswales, make sure these areas are designated as off limits to avoid compaction.

Save time and money by preserving existing mature trees during construction. Preserving mature trees minimizes the amount of soil that needs to be stabilized once construction is complete, and minimizes the amount of runoff during and after construction activity.

2 Stockpile Your Soil

EPA's CGP requires operators to preserve native topsoil on site unless infeasible and protect all soil storage piles from run-on and runoff. For smaller stockpiles, covering the entire pile with a tarp may be sufficient.

3 Protect Construction Materials from Run-On and Runoff

At the end of every workday and during precipitation events, provide cover for materials that could leach pollutants.

4 Designate Waste Disposal Areas

Clearly identify separate waste disposal areas on site for hazardous waste, construction waste, and domestic waste by designating with signage, and protect from run-on and runoff.

5 Install Perimeter Controls on Downhill Lot Line

Install perimeter controls such as sediment filter logs or silt fences around the downhill boundaries of your site.

6 Install Inlet Controls

Sediment control logs, gravel barriers, and sand or rock bags are options for effective inlet controls. Make sure to remove accumulated sediment whenever it has reached halfway up the control.

7 Install a Concrete/Stucco Washout Basin

Designate a leak-proof basin lined with plastic for washing out used concrete and stucco containers. Never wash excess stucco or concrete residue down a storm drain or into a stream!

8 Maintain a Stabilized Exit Pad

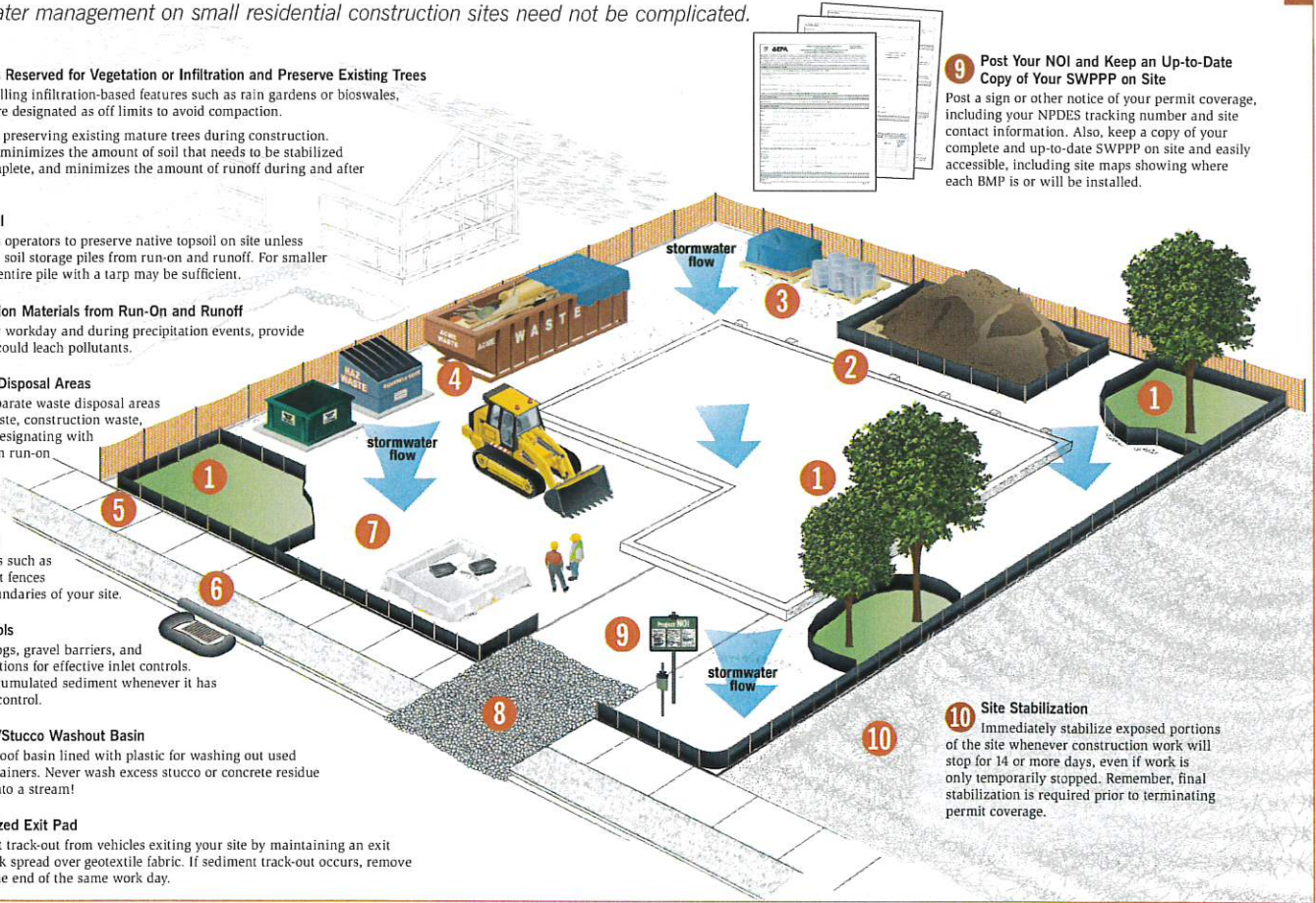
Minimize sediment track-out from vehicles exiting your site by maintaining an exit pad made of crushed rock spread over geotextile fabric. If sediment track-out occurs, remove deposited sediment by the end of the same work day.

9 Post Your NOI and Keep an Up-to-Date Copy of Your SWPPP on Site

Post a sign or other notice of your permit coverage, including your NPDES tracking number and site contact information. Also, keep a copy of your complete and up-to-date SWPPP on site and easily accessible, including site maps showing where each BMP is or will be installed.

10 Site Stabilization

Immediately stabilize exposed portions of the site whenever construction work will stop for 14 or more days, even if work is only temporarily stopped. Remember, final stabilization is required prior to terminating permit coverage.



EPA's Construction General Permit (CGP) Small Residential Lot Stormwater Pollution Prevention Plan (SWPPP) Template

Who needs to seek coverage under the EPA CGP?

Stormwater discharges from construction activities that disturb one or more acres, or smaller sites disturbing less than one acre that are part of a common plan of development or sale, are regulated under the National Pollutant Discharge Elimination System (NPDES) stormwater permitting program. Prior to the start of construction, construction operators must obtain coverage under an NPDES permit, which is administered either by the state (if it is authorized to operate the NPDES program) or EPA. Where EPA is the permitting authority, operators may seek coverage under the EPA CGP. The CGP requires operators of construction sites to meet effluent limits (i.e., through the implementation of erosion and sediment controls) and requires operators to develop a SWPPP detailing erosion and sediment controls and pollution prevention measures that will be implemented to meet the requirements of the CGP.

What is the Small Residential Lot SWPPP Template?

The Small Residential Lot SWPPP Template is designed to help operators of small residential sites develop a streamlined SWPPP that meets the minimum requirements of EPA's CGP. This simplified template does not change, relax, or modify any existing conditions in the CGP, including the requirement to submit a Notice of Intent (NOI) for permit coverage.

How does it work?

Think of the Small Residential Lot SWPPP Template as a 1040EZ tax form for small construction sites. All of the same requirements apply, but compliance options are focused on only those controls that apply to small residential lot construction, and they are presented in a simplified, user-friendly format.

The Small Residential Lot SWPPP Template streamlines SWPPP development by providing a simplified menu of erosion and sediment control and pollution prevention practices that operators can select from to complete a SWPPP consistent with the minimum requirements in the CGP.

Easy to Use BMP Menu

The Small Residential Lot SWPPP Template provides operators with a walk-through menu of typical erosion and sediment control and pollution prevention practices (i.e., Best Management Practices or BMPs) appropriate for small construction sites.

Illustrated Appendix with Pull-Out BMP Spec Sheets

Clear, step-by-step BMP spec sheets for each practice you choose are provided in an illustrated appendix that you may edit based on your site-specific conditions.



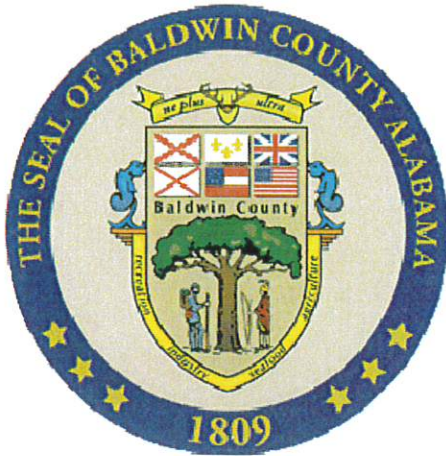
Does my project qualify for EPA's Small Residential Lot SWPPP Template?

In order to use EPA's streamlined template, your site must meet a series of criteria, including:

- ✓ Projects must disturb less than one acre of land;
- ✓ Projects must be located outside of sensitive areas (areas with endangered species concerns, historic preservation issues, wetlands, etc.);
- ✓ Projects must not cause disturbance within 50 ft of a water of the U.S.;
- ✓ Projects must not require the use of chemical treatment for stormwater; and
- ✓ Projects must not disturb steep slopes.

To access EPA's streamlined Small Residential Lot SWPPP Template, visit:

www.epa.gov/national-pollutant-discharge-elimination-system-npdes/stormwater-discharges-construction-activities



Appendix C-2

2.5.3 Construction Site Storm Water Runoff Control – Training

See Appendix E-5

Erosion Control Inspection Form

PROJECT NAME: Hilltop Subdivision	PROJECT NO.: S-19028
DATE:	LOCATION OF PROJECT: S. Section St.
INSPECTOR: Vince Ramer	CONTRACTOR: Baldwin Road Builders, Inc.
WEATHER CONDITIONS: <i>Sunny</i>	PRIORITY SITE: YES NO

Item Applicable	Item	Status of BMPs (Adequate, Needs Maintenance, Missing, etc.)	Comments
	Bulletin Board / Permits / Paper Work	<i>OK</i>	
	Clearing and Grubbing	<i>OK</i>	
	Construction Entrance	<i>OK</i>	
	Exposed Soils	<i>Needs Maintenance</i>	<i>Erosion items are being addressed today.</i>
	Velocity Reduction Items	<i>Needs Maintenance</i>	<i>" Same as above "</i>
	Inlet/Outlet Protection	<i>OK</i>	
<i>N/A</i>	Fueling / Equipment Maintenance Site		
<i>N/A</i>	Fuel Stored On Site / Containment Plan		
<i>N/A</i>	Vehicle Wash Station		
<i>N/A</i>	Areas That Need to be Dewatered		
	Waste / Trash Being Properly Disposed of	<i>OK</i>	

Additional Comments:

The last rain caused some erosion issues and are being addressed today.

Signature: *Vince Ramer*

13.10.2 *Standards.* A special exception for a bed and breakfast establishment may be approved only upon determination that the application and evidence presented clearly indicate that all of the following standards will be met:

- (a) No more than eight (8) guest rooms shall be included in any one establishment.
- (b) Except for serving meals to overnight guests, the establishment shall not engage in the restaurant business. Guest rooms shall not contain cooking facilities.
- (c) Guest stays shall be limited to two weeks.
- (d) At least one off-street parking space shall be provided for each guest room, plus two for the owner.
- (e) All requirements, standards, and conditions contained in *Section 18.8.4* of these zoning ordinances shall be met.

Section 13.11 Stormwater Management

A stormwater management plan is required for all major projects. Such plan shall be prepared by a licensed engineer and shall be submitted in conjunction with an application for a land use certificate as herein provided. No development may proceed until a land use certificate has been approved. The Zoning Administrator shall, in consultation with the Building Official and County Engineer or his/her designee, determine that reasonable provisions for properly handling surface drainage have been made in the applicant's design.

Section 13.12 Erosion Control

13.12.1 *Purpose and Intent.* It is the purpose of this ordinance to further the maintenance of safe and healthful conditions, prevent and control water pollution, prevent and control soil erosion, protect spawning grounds, protect fish and aquatic life, control building sites, control placement of structures and land uses, preserve ground cover and scenic beauty, and promote sound economic growth. This will be done by minimizing the amount of sediment and other pollutants carried by runoff or discharged from land disturbing construction activity.

13.12.2 *Definitions.* Words and phrases used in this article shall have the meanings as set forth in this section. Words and phrases not defined in this section but defined elsewhere in the zoning ordinances shall be given the meanings as set forth in such ordinances. All other words and phrases shall be given their common, ordinary meaning unless the context clearly requires otherwise.

Agricultural activity. Planting, growing, cultivating and harvesting crops for human or livestock consumption and pasturing or outside yarding of livestock, including sod farms and silviculture. This includes waterways, drainage ditches, diversions, terraces, excavating, filling, and similar practices on farm fields.

Best management practice (BMP). Structural or non-structural measures, practices, techniques or devices employed to avoid or minimize soil, sediment, or pollutants carried in runoff to waters of the state.

Construction site. An area upon which one or more land disturbing construction activities occur, including areas that are part of a larger common plan of development or sale where multiple separate and distinct land disturbing construction activities may be taking place at different times on different schedules but under one plan.

Erosion. The process by which the land's surface is worn away by the action of wind, water, ice or gravity.

Erosion and sediment control plan. A plan developed to address pollution caused by soil erosion and sedimentation during land disturbing construction activity.

Qualified Credentialed Inspector (QCI). An operator, operator employee, or operator designated qualified person who has successfully completed initial training and annual refresher Qualified Credentialed Inspection Program (QCIP) training, and holds a valid certification from a Department approved cooperating training entity.

Qualified Credentialed Professional (QCP). A staff member of the Alabama Department of Environmental Management (ADEM) designated by the Director of ADEM, a licensed Professional Engineer, an Alabama Natural Resources Conservation Service professional designated by the State Conservationist, a Certified Professional In Erosion And Sediment Control, or other registered professionals (geologists, soil scientists, land surveyors, landscape architects).

Sediment. Settleable solid material that is transported by runoff, suspended within runoff or deposited by runoff away from its original location.

Site. The entire area included in the legal description of the land on which the land disturbing construction activity is proposed in the permit application.

Water(s). Includes, but is not limited to, water on or beneath the surface of the ground, including natural or artificial watercourses, streams, rivers, lakes, ponds, or diffused surface water and water percolating, standing, or flowing beneath the surface of the ground.

Watercourse. A natural or artificial channel through which water flows.

13.12.3 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.

(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.

(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) Permanent vegetation and erosion control structures should be installed and temporary structures removed prior to the issuance of final occupancy permits.

(j) Any land disturbance activity which takes place in a right-of-way will require approval from the governing agency.

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.

13.12.5 *Specific Requirements.* Control of erosion and sediment through the entire duration of the land disturbing activity is the responsibility of the applicant. The following measures shall be utilized where required to provide the necessary control.

(a) Runoff from off-site and flowing through the land in question may be diverted around the land disturbing activity by means of swales, channels, ditches, culverts or storm sewers. The diversion may be a temporary installation, utilized only until the land disturbing activity is complete, or it

may be a permanent part of the proposed improvement on the land. Such diversion shall not be such that it causes drainage or erosion problems down stream and does not require impact to existing wetlands not covered by existing permits

(b) 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.

(c) 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.

(d) Ingress and egress to the site shall be by way of coarse stone drive(s) of sufficient length to cause soil picked up by the tires of vehicles to be dropped before the vehicle enters the roadway. Drives shall be designed and situated so that they provide maximum protection against tracking of soil or mud onto the roadway. For single family and duplex home sites the stone drive should coincide with the final location of the drive to the residence.

(e) Drain inlets and entrances to culverts shall be protected with an installation of acceptable inlet protection.

(f) All disturbed ground left inactive for a period of thirteen (13) days shall be seeded, sodded or stabilized with mulch or equivalent.

(g) Storage piles of soil left for longer than 3 days shall be completely encircled with silt fence. If left inactive or unused for longer than twenty-one (21) days the pile shall be seeded, sodded, or covered with a mulching fabric or tarpaulins.

(h) Stone check dams shall be used in open drainage courses to slow velocities of the runoff.

(i) Based on individual site characteristics, silt fence shall be installed along the down slope edges of all disturbed areas on the site. Silt fence shall be installed in such a manner to prevent sediment from leaving the site.

(j) *Prevention of wetland degradation.* Temporary sediment barriers shall be installed where needed on all exposed slopes which meet or exceed four horizontal to one vertical (4:1) and are within twenty-five (25) feet of wetlands, waters of the state, or any surface water feature not bounded entirely by the limits of the development site. These shall be placed and maintained such that drainage will not overflow or bypass the barrier and shall remain in place until the slope is leveled or permanently stabilized.

(k) *Dust control.* All development which will result in exposure of bare soil during dry periods shall follow short-term stabilization methods as follows:

- 1.) Maintain soils in a damp condition as determined by sight or touch.
- 2.) Establish a stabilized surface through watering or other approved methods.

(l) *Stabilization.* Within 10 days of ceasing activity, an operator shall implement at least one (1) of the following long-term stabilization techniques for any disturbed surface area where construction activities are not scheduled to occur for at least thirty (30) days:

- 1.) Revegetation that results in seventy-five percent (75%) ground coverage provided that an active watering system is in place at all times.
- 2.) Establish a stabilized surface through watering with physical access restriction surrounding the area or other approved methods.

13.12.6 *Maintenance of Erosion Control Measures.* All erosion control measures shall be maintained throughout the course of the construction or until the growth of vegetation has made them unnecessary. If silt fence is temporarily removed to allow access to a portion of the site it shall be re-installed at the end of the work day. The applicant is responsible for the maintenance of all erosion control measures.

13.12.7 *Erosion Control Plan.* An erosion control plan shall be submitted with each application as follows:

(a) *Minor Projects - Single Family Homes and Accessory Structures (areas of disturbance less than 1 acre)* The erosion control plan for single family home sites shall be made a part of the site plan provided with the application for a Land Use Certificate. It shall be prepared by an Alabama Licensed Professional Land Surveyor, Engineer, Architect, Landscape Architect, a Certified Professional in Erosion and Sediment Control, a QCI, a licensed home builder or a licensed general contractor. The site plan shall show, as a minimum, the direction of surface slopes, any watercourses on the lot, and the location of all erosion control installations proposed.

(b) *Major Projects – All other Residential and Non-Residential Sites (areas of disturbance greater than or equal to 1 acre).* The erosion control plan for multi-family and all non-residential sites shall conform to the following:

- 1.) The plan shall be prepared by an Alabama Licensed Professional Land Surveyor, Engineer, Architect, Landscape Architect or QCP.
- 2.) The plan shall be drawn to a scale adequate to clearly show the site and the required information. In no case shall the plan be drawn to a scale less than 1"=100'.

3.) The plan may incorporate one or more sheets as necessary to clearly convey the intent of the plan. The plan may also incorporate text to explain any specifics of the plan cover the specifications for the materials required or convey the development phasing.

4.) As a minimum the plan shall show all existing and proposed:

A. Site boundaries, lots, etc.

B. All watercourses (with sizes), ponds, lakes, wetlands.

C. Apparent floodplains, floodway fringes, and floodways.

D. Soil types and their erodability. The information provided in the Soil Survey of Baldwin County, Alabama as published by the U.S. Dept. of Agriculture, Natural Resources Conservation Service, is appropriate.

E. Vegetative cover such as crops, grass, weeds, and/or trees. The use of exotic or invasive species as proposed vegetative cover is discouraged.

F. Utilities, structures, road pavements and other improvements.

G. Existing contours at an interval not greater than 2 feet. An adequate number of spot elevations may be provided in lieu of the contours.

H. Locations and dimensions (where applicable) of all proposed erosion control measures.

13.12.8 *Permits*

(a) *General.* A land disturbance permit shall be obtained for all minor and major projects. The permit shall be on a form provided by the Baldwin County Planning and Zoning Department. For small scale projects a Land Use certificate shall be used in lieu of a land disturbance permit.

(b) *Permit Conditions.* All permits shall require the applicant to:

1.) Notify the Planning and Zoning Department at least 24 hours before beginning any major project land disturbing activity.

2.) Notify the Planning and Zoning Department of any modifications of the erosion control plan within 7 days of change.

3.) Install and maintain all erosion control measures as identified in the erosion control plan.

4.) Maintain all road drainage systems, storm water drainage systems and other facilities as identified in the erosion control plan.

5.) Remove sediment resulting from land disturbing activities from adjacent surfaces and/or drainage courses in accordance with all State and Federal regulations.

6.) Allow the Planning and Zoning Department to enter the site to verify compliance with the erosion control plan.

7.) Submit a revised plan for approval if the nature of the project changes from that proposed under the permit.

8.) Submit copies of all necessary state and federal permits

(d) *Permit Fees.* All fees for a Land Disturbance Permit shall be paid prior to permit issuance.

(e) *Length of Permit Validity.* In the event that the land disturbing activities are not started within 6 months and/or the work is not completed within three (3) years from the date of the permit said permit shall become invalid and a new permit shall be obtained.

13.12.9 *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.

13.12.10 *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) The construction of single family residences when such construction is located on lots exceeding three (3) acres and construction activity disturbs less than one (1) acre and is not a part of a larger common plan of development or sale.

(b) Surface mining.

(c) Such minor land-disturbing activities as home gardens and individual home landscaping, repairs, maintenance work, and other related activities which result in minor soil erosion.

(d) Agricultural activities as defined herein.

(e) 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 or Baldwin County Commission.

(f) 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.

(g) Forestry land management practices, including harvesting; provided, however, that the Alabama's Best Management Practices for Forestry are followed.

Section 13.13 Wind Energy Conversion Systems

13.13.1 *Purpose and Intent.* It is the purpose and intent of this section to provide standards and regulations for the safe and effective construction, placement, operation and use of small wind energy conversion systems for onsite home, farm and commercial use.

13.13.2 *Applicability.* This section shall apply to wind energy conversion systems (WECS) used for electrical energy generation. Microturbines and Small WECS shall be regulated as accessory structures under all zoning designations. Large and Utility Scale systems shall not be permitted.

13.13.3 *Definitions.* Words and phrases used in this section shall have the meanings as set forth in this section. Words and phrases not defined in this section, but defined elsewhere in the zoning ordinance, shall be given the meanings as set forth in applicable provisions of the zoning ordinance. All other words and phrases shall be given their common, ordinary meaning, unless the context clearly requires otherwise.

WECS or system. A machine which can convert kinetic energy in wind into a usable form of electrical or mechanical energy, such as a wind turbine, windmill or any other wind generated energy production facilities or equipment. As used within this section, a WECS includes all parts of the turbine and the tower upon which it is installed, including any associated facilities or equipment, but does not include power transmission equipment.

Microturbine. A WECS which generates one kilowatt or less of electrical energy.

Small WECS. One WECS, with a rated capacity of 50 kilowatts (kw) or less, to be used to provide electrical energy on site. Excess electricity may be sold back to an electric utility provider providing service to the site through net metering, net billing or similar programs.

Large WECS. One WECS with a rated capacity of more than 50 kw, but less than 100 kw.

Utility Scale WECS. One WECS with a rated capacity of more than 100 kw.

§ 5.12.3 Stormwater Detention/Retention Plan Sheet Requirements

The Design Engineer shall submit detailed plans for review and approval. Said plans shall be prepared by a Professional Engineer licensed in the State of Alabama and shall contain the following information:

- (a) Topography map of the proposed retention/detention facility area(s);
- (b) Existing and proposed contour lines at 1 foot intervals of the entire property and full width of all adjacent rights-of-way. Topographic information shall be based on the NAVD 88 datum. Elevations must be field verified. Greater intervals may be allowed, if approved by the County Engineer or his/her designee;
- (c) All proposed pipes, control structures, headwalls, riprap, junction boxes, including location, size, and flow line elevations;
- (d) Detailed drawings of the control structure(s);
- (e) Cross sections of each storm water facility.

§ 5.12.4 Maintenance

Retention/Detention facilities are to be built in conjunction with the storm sewer installation and/or grading. Since these facilities are intended to control increased runoff, they must be partially or fully operational prior to the clearing of the vegetation and subsequent construction. Silt and debris connected with early construction shall be removed periodically from the retention/detention area and control structure in order to maintain design storage capacity.

The responsibility for maintenance of the retention/detention facilities and drainage structures within designated drainage easements shall remain with the developer until such time as responsibility is transferred to a property owners'/home owners' association. The developer (and after the transfer or responsibility, the property owner's association) shall keep such retention/detention facilities free of silt, debris, undergrowth and any vegetation which would interfere with the proper function thereof. The association shall clearly and explicitly accept responsibility for maintenance. These maintenance requirements do not imply that any drainage structures or systems are or will 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'/home owners' association shall be submitted with the Final Plat submittal.

§ 5.13 Erosion and Sedimentation

§ 5.13.1 General

During construction accelerated erosion may occur during storm water runoff with a proportionate increase in visible erosion, scour and siltation both within and outside of the construction site. The following provisions impose requirements on persons engaged in land disturbing activities which require planning and implementation of effective sedimentation controls for subdivision development sites.

The Design Engineer shall submit an ADEM-approved Construction Best Management Practices Plan. Said plan shall be prepared by a Professional Engineer licensed in the State of Alabama. If the County

Engineer determines, upon review of such plan, that additional erosion control items may be required, the applicant shall include such requested items on the erosion control sheets in the Construction Plans.

(a) *Construction Requirements.* The erosion and sedimentation control plan shall be a part of the construction plans and shall meet the requirements of ADEM prior to the commencement of any land-disturbing activity including but not limited to tree cutting and root removal. In priority sites as determined by ADEM, the County Engineer, in his discretion, may require more strict standards.

(b) *Protection of Property.* Persons engaged in land-disturbing activities shall take all measures to protect all public and private property, including roadways, from damage by such activities.

(c) *More Restrictive Rules Shall Apply.* Whenever there is a conflict between Federal, State, or Local Laws, Ordinances, Rules and Regulations, Orders, and Decrees the more restrictive provision shall apply.

§ 5.13.2 Periodic Inspections and Maintenance

(a) *Notification.* The applicant shall notify the County Engineer or his/her designee as soon as the initial BMPs have been installed so that an inspection of the BMPs can be made. Such inspection shall be made within 2 working days of said notice. No land disturbing activities, except those necessary to install the BMPs, shall take place until after the inspection is complete and approved.

(b) *Inspection.* The County may perform periodic inspections of the BMPs on the job site. Upon finding that erosion and sedimentation is taking place; or that the proposed BMPs are not installed, installed incorrectly, or not operating properly, the applicant will be notified verbally and in writing that all work affecting the BMPs in question shall be suspended until functioning BMPs are installed. ADEM monitoring reports may be requested by the County Engineer from time to time.

(c) *Responsibility for maintenance.* The person engaged in or conducting the land-disturbing activity shall be responsible for maintaining all temporary and permanent erosion and sedimentation measures and facilities during the development of a site. The responsibility for maintaining all permanent erosion and sedimentation control measures and facilities after site development is completed shall lie with the landowner, until such time vegetative cover and site stabilization is achieved. Maintenance of these facilities lies with the landowner until assumed by other parties.

§ 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.

(a) Proposed nonresidential street layout, blocks, and parcels shall be suitable, in area and dimensions, for the types of development anticipated.

(b) Streets carrying nonresidential traffic, especially truck traffic, shall not be extended to the boundaries of adjacent existing or potential residential areas, nor connected to 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.

- (c) 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.
- (d) 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.
- (e) 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.
- (f) 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.
- (g) 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.

§ 5.15 Construction Requirements

Construction of all roads and bridges shall meet the following minimum requirements and conform to the current Alabama Department of Transportation's "Standard Specifications for Highway Construction". Best Management Practices for erosion control shall be used throughout construction and development. The developer shall be responsible for all erosion control in accordance with ADEM regulations and for securing any permits required by ADEM. **A Subdivision Permit is required from the County Engineer before the construction of any improvements can begin.**

- (a) Pre-Construction Conference: It shall be the duty and responsibility of the developer or contractor to schedule and coordinate a Pre-Construction Conference with all involved parties prior to the beginning of construction. Once this conference has taken place and all requirements have been met, the County Engineer will issue the Subdivision Permit and construction may begin. All contractors must be properly licensed in the State of Alabama. A copy of the current Alabama General Contractor's License of the prime contractor shall be provided to Baldwin County Engineer or his/her designee at the Pre-Construction Conference.
- (b) Notification of Work: It shall be the duty and responsibility of the developer or contractor to give written notice to the County Engineer or his/her designee, one working day prior to starting any phase of construction. The developer or contractor shall notify the County Engineer or his authorized agent in writing the day work is resumed after a delay of more than five (5) working days. This includes all phases of construction, clearing, grading, drainage, gutters, inlets, base, surfacing and any work that pertains to the street, road or development. After all BMPs have been installed and/or constructed, but before any other construction takes place, the contractor shall notify the County Engineer to inspect the required BMPs in accordance with Section 5.13.2(a) of these regulations. **FAILURE TO PROVIDE PROPER NOTIFICATION AS SPECIFIED SHALL BE GROUNDS FOR NON-ACCEPTANCE OF ROADWAYS BY THE BALDWIN COUNTY COMMISSION.**
- (c) Testing: All testing shall be conducted using the services of a qualified geotechnical engineer preapproved by the County Engineer. The tests normally consist of, but are not limited to:

1. Soil Gradation;
2. Optimum Moisture Content tests on embankment, subgrade and base material;
3. Soil Compaction test on subgrade and base material;
4. In-place asphalt density analysis of road building materials;
5. 28 day compressive strength of concrete;
6. Hydro-static test of water and pressurized sewer system as required by utility provider;
7. Air test of gravity sewer line as required by utility provider.
8. For bridge testing, see Appendix 3.

The developer shall notify the County Engineer, or his/her designee, twenty-four hours prior to any required tests. Copies of all test reports are to be provided to the County Engineer before additional construction occurs. In the event problems exist that require remedial actions or design, the developer shall be required to submit revised engineering plans to the County Engineer before construction will be allowed to proceed.

(d) Clearing and Grubbing: All rights-of-way shall be cleared of all vegetation, trees (unless approved to remain), stumps, rocks and other objectionable or unsuitable material prior to grading or filling unless otherwise approved, in writing, by the County Engineer or his/her designee.

(e) Embankment Sections: The County Engineer will have the right to approve all borrow sources; however this does not relieve the developer from full responsibility for the quality of material used. Roadway fill or embankment of earth material shall be placed in uniform layers, full width, and not exceeding six inch thickness (loose measurement). Each layer shall be compacted so that a uniform specified density is obtained. Compaction tests shall be run at the frequency and location as directed by the County Engineer or his/her designee. Additional layers of fill shall not be added until directed by the County Engineer. For all density requirements refer to the current Alabama Department of Transportation "Standard Specifications for Highway Construction".

(f) Subgrade: Auger borings shall be done every 300 feet measured along the center line of roadway with a minimum of one auger per roadway. Hand auger will be acceptable. The subgrade shall be compacted and properly shaped prior to the placing of base material. Roadbed processing shall be performed in accordance with section 230 of the current ALDOT Standards Specifications for Highway Construction. The subgrade shall be full width and extend twelve (12) inches outside of base. The subgrade shall be proof rolled, under the supervision of the County Engineer or his/her designee, with a fully loaded (minimum 20 cy) tandem axle dump truck to check for soft or yielding areas. Any unsuitable material shall be removed and replaced with a suitable material compacted to required density.

(g) Base: Base course shall meet the requirements according to the current Alabama Department of Transportation "Standard Specifications for Highway Construction". Base course shall have a minimum thickness as required by the *Baldwin County Design Standards for New Road Construction* (attached as Appendix 4), and shall extend twelve (12) inches outside of curb sections or twenty four (24) inches from the edge of asphalt, whichever is greater. The density requirements for compaction shall be in accordance with the current Alabama Department of Transportation "Standard Specifications for Highway Construction". Developer/Engineer may submit an alternate base design method for approval by the County Engineer. Design shall be based on a proven and accepted engineering test or method for the site conditions that exist.

(h) Roadway Pavement: All roads and/or streets shall be paved and comply with the following:

1. All roads shall be improved according to the standards outlined in the *Baldwin County Design Standards for New Road Construction* (attached as Appendix 4).

Article 11 Conservation Developments

Section 11.1 Purpose and Intent

To provide a development option that permits flexibility of design in order to promote environmentally sensitive and efficient uses of the land; to preserve in perpetuity unique or sensitive natural resources such as groundwater, floodplains, wetlands, streams, steep slopes, woodlands, and wildlife habitat; to preserve important historic and archaeological sites; to 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; to reduce erosion and sedimentation by minimizing land disturbance and removal of vegetation in residential development through a reduced building footprint; to promote interconnected greenways and corridors throughout the community; to promote contiguous green space with adjacent jurisdictions; to 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; to encourage street designs which reduce traffic speeds and reliance on major arteries; to 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; to conserve scenic views and reduce perceived density by maximizing the number of houses with direct access to and views of open space; to preserve prime agricultural and forest lands and reduce the economic pressures for converting such land to urbanized uses.

Section 11.2 Definitions

Words and phrases used in this article shall have the meanings as set forth in this section. Words and phrases not defined in this section but defined elsewhere in the zoning ordinances shall be given the meanings as set forth in such ordinances. All other words and phrases shall be given their common, ordinary meaning unless the context clearly requires otherwise.

Conservation Development: A development of land, occupying 10 contiguous acres or more, that is under unified control and is planned and developed as a whole in a single development operation or programmed series of development stages. The development may cover more than one parcel as long as all parcels are contiguous, but the entirety of each included parcel shall be included in the gross area of the development. The requirements for approval are similar to those for subdivisions of the same size according to the *Baldwin County Subdivision Regulations*, with the only differences being contained in this article. A Conservation Development requires a certain amount of permanently protected Open

Space and does not require minimum lot or yard sizes. A Conservation Development must be clearly indicated as such on its Preliminary and Final Plats.

Open Space: The portion of the Conservation Development that has been set aside for permanent protection. Activities within the Open Space are restricted in perpetuity through the use of an approved legal instrument.

Buildable Area: The approximate acreage in a Conservation Development available for development as calculated according to Section 11.5 of this article. This figure does not represent the true acreage available for development; it is instead used only as an input to other calculations, such as a calculation to determine the minimum acreage of Open Space.

Section 11.3 General Ordinances

11.3.1 Applicability of Ordinances. This Conservation Development option is available as a use by right in all residential zones (ER, R-1(a), R-1(b), R-2(a), R-2(b), R-3, R-4, and R-6) and in the Rural (RR) zone and the Rural Agriculture (RA) zone. The Applicant shall comply with all other provisions of the zoning code and with all other applicable laws, except those that are expressly addressed by and inconsistent with the provisions contained herein. A Conservation Development does not require amending or adjusting the Zoning Map.

11.3.2 Unified Control. The parcel or parcels of land for a Conservation Development shall be in unified control, and shall be owned or controlled by either a single person, corporation, agency, group of individuals, or like organizations. The Applicant shall provide the County appropriate and necessary documents to indicate ownership. No application shall be considered until this section is fully complied with. An application must be filed by the owner or authorized agent of all property included in the project. In the case of multiple ownership, the approved final development plan shall be binding on all owners and any successors. The developer shall maintain and provide for unified control of the Conservation Development until the project is complete. The entity designated to provide unified control shall ensure that all conditions of development are met. Individual properties may be sold after appropriate approvals and recordings have been completed and the proper recordings have been made which ensures the continuance of the Conservation Development as approved. Responsibility for unified control shall be assigned to a Homeowners Association that will provide for the maintenance of any common property and Open Space and for improvements.

11.3.3 Development Area. A Conservation Development shall have a minimum development area of 10 contiguous acres.

11.3.4 *Lot and Yard Size.* No minimum areas or widths are required by these ordinances for lots, and no minimum areas are required by these ordinances for yards.

11.3.5 *Building Setbacks.* The minimum side yard setback shall be a minimum of 3 feet for a single family designation. The front and rear setbacks shall be a minimum of 20 feet.

11.3.6 *Maximum Height.* The maximum height of structures shall be the same number of habitable stories allowed by the zoning district to a Planned Residential Development (PRD), with the exceptions mentioned elsewhere in these zoning ordinances.

11.3.7 *Permitted Uses.* For a Conservation Development, the following uses and structures may be permitted if allowed by the zoning district and specific zoning designation:

- (a) Single family dwellings including manufactured housing and mobile homes.
- (b) Two family dwellings.
- (c) Multiple family dwellings including townhouses.
- (d) Non-residential land uses in accordance with limitations and restrictions contained herein.
- (e) Maintenance facilities and utility facilities.
- (f) Accessory structures and uses.

11.3.8 *Commercial Land Uses.* Commercial land uses including institutional uses, office and professional service uses, local commercial uses, and general commercial uses may not occupy more than ten (10) percent of the gross acreage of the Conservation Development. The commercial land uses shall be centrally located. They shall be designed and operated to serve primarily the needs of the development and, to the extent feasible, shall be located in the interior of the development.

11.3.9 *Maximum Dwelling Units Determination.* The maximum number of dwelling units in the Conservation Development shall be determined by multiplying the gross acreage of the Conservation Development by the maximum density permitted in the zoning designation. For Conservation Developments under more than one zoning designation, the maximum number of dwelling units in the Conservation Development shall be determined by summing the results of, for each zoning designation, multiplying the gross acreage of the Conservation

Development in the zoning designation by the maximum density permitted in the zoning district. Where fractional numbers result for any of these calculations, the figure shall be rounded to the next lower number. Land reserved for commercial uses shall not be included in the gross acreage of the Conservation Development as used in this calculation. For mixed use buildings where the gross floor area used for commercial uses exceeds 10% of the total gross floor area, the entire footprint shall be considered as land reserved for commercial uses.

11.3.10 *Maximum Dwelling Units Bonuses.* The maximum number of dwelling units in the Conservation Development may be increased if Bonus Thresholds (as provided in Section 11.5) are exceeded, provided that the site is capable of accommodating the additional units without compromising the purpose of this ordinance, there is no adverse effect on public safety, the surrounding infrastructure can support the additional units, and adequate efforts were made to arrange the Open Space so that it links to greenways, trails, or other areas of Open Space on nearby parcels. If Bonus Threshold 1 is met, the determined maximum number of dwelling units may be increased by 5%. If Bonus Threshold 2 is met, the determined maximum number of dwelling units may be increased by 10%. These bonuses are not cumulative; rather, the permitted 10% increase for a Conservation Development that achieves Bonus Threshold 2 is measured from the maximum number of dwelling units as determined without applying any other dwelling units bonuses. Where fractional numbers result, the figure shall be rounded to the next lower number. The Applicant may meet with Zoning Administrator to determine whether the local infrastructure can handle the extra units, whether the infrastructure may require upgrading, whether the additional units comport with the purpose of this ordinance, and whether the additional units impact public safety.

11.3.11 *Flexible Standards.* The County encourages and will consider sensible methods to reduce impervious surfaces without compromising stormwater management or public safety. Any applicant requesting such a reduction and/or waiver of pertinent ordinances shall submit a statement of justification for the reduction and/or waiver along with the required site plan and shall obtain the written approval of the County Engineer or his/her designee. The Planning Commission may approve such methods if they:

- (a) Improve site design.
- (b) Protect the natural features of the site.
- (c) Maintain harmony with neighboring uses.
- (d) Promote the objectives and purpose of the master plan.
- (e) Promote the intent and purpose of these ordinances.

11.3.12 *Conceptual Site Plan.* Where a rezoning is applied for and the Applicant wishes to subsequently develop the rezoned property as a Conservation Development, the Applicant may submit a Conceptual Site Plan in conjunction with the rezoning application for parcels greater than 1000 acres. This Conceptual Site Plan and the process for subsequently amending this Conceptual Site Plan shall follow the guidelines for a Large Scale Planned Residential Development Conceptual Site Plan as described in *Section 9.5 Submittals* and elsewhere in these zoning ordinances. It shall be clearly indicated on the Conceptual Site Plan that the described future subdivision is a Conservation Development. In addition, the Conceptual Site Plan shall show the planned location of protected Open Space and the portions of Open Space that are comprised of buildable area as calculated in Section 11.5 of this Article. It shall also describe the total acreage of buildable area in the Conservation Development and the total acreage of buildable area in the proposed protected Open Space, where "buildable area" is as calculated in Section 11.5 of this Article. Neither approval of this Conceptual Site Plan nor approval of the proposed rezoning shall be construed as ensuring the approval of future Preliminary or Final Plats.

Section 11.4 Application Requirements

11.4.1 *Site Analysis Features Required.* The Applicant must show the following features on the Conservation Development site plan submitted in accordance with requirements contained in Article IX, Section 9.5.5.5.1. In addition, the Applicant must show the following features on a site analysis map to be submitted concurrent with the submission of Conservation Development Site Plan:

- (a) All streams, rivers, lakes, and other hydrologic features.
- (b) General vegetation characteristics.
- (c) General soil types as determined from the latest soil survey by the Natural Resources Conservation Service of the United States Department of Agriculture.
- (d) The planned location of protected Open Space, and the portions of Open Space that are comprised of buildable area as calculated in Section 11.5 of this Article.
- (e) The total acreage of buildable area in the Conservation Development and the total acreage of buildable area in the protected Open Space, where "buildable area" is as calculated in Section 11.5 of this Article.

- (f) All Primary and Secondary Conservation Areas labeled by type, as described in Section 11.5 of this Article.
- (g) Potential connections with existing green space and trails.
- (h) Location and total area of proposed impervious surfaces.

Should the Applicant choose to submit a separate site analysis map, it must include the following features as on a Conservation Development Site Plan: exact property boundaries, topographic contours, delineated wetlands, special flood hazard areas and/or coastal high hazard areas, existing roads, and existing structures.

11.4.2 *Open Space Management Plan Required.* An open space management plan, as described in Section 11.5, shall be prepared and submitted with the Conservation Development Site Plan.

11.4.3 *Instrument of Permanent Protection Required.* A conservation easement, as described in Section 11.5, shall be placed on the Open Space no later than the recording of the Final Plat. County Staff shall review and approve the conservation easement to ensure that it meets the minimum guidelines set forth in these ordinances. The conservation easement and the Final Plat shall be filed simultaneously and shall make reference to each other. Each shall not be complete without the other.

11.4.4 *Zoning Administrator Approval.* The Zoning Administrator holds the right to permit or deny the proposed development according to the purposes set forth in this section.

11.4.5 *Other Requirements.* The Applicant shall adhere to all other zoning and subdivision ordinances. A subdivision plat shall be approved in accordance with the procedures established in the *Baldwin County Subdivision Regulations*. It shall be clearly indicated on the Preliminary and Final Plats that the proposed subdivision is a Conservation Development. The Applicant may submit a list of commitments, and approval may be based on the fulfillment of these conditions. Should these commitments not be upheld, the plat shall not be considered as having been approved.

Section 11.5 Open Space

11.5.1 *Standards to Determine Open Space and Buildable Area.*

- (a) Buildable area is defined as the gross area of the conservation development minus the Open Space. The minimum restricted Open Space shall comprise all of the Primary Conservation Areas, as defined below. In addition, the minimum restricted Open Space shall

include buildable areas totaling not less than 20% of the total buildable area of the Conservation Development, with emphasis given to Secondary Conservation Areas, as defined below. In making this and other determinations, the buildable area shall include the entire gross area of the Conservation Development except the following:

1. Primary Conservation Areas, as defined below, unless the Applicant has demonstrated that including a particular area would constitute an unusual hardship and be counter to the purposes of this article.
2. Natural bodies of open water including free-flowing streams over 5,000 square feet of contiguous area excluding man-made stormwater detention ponds, impoundments, and amenity lakes.
3. Areas where development would otherwise be prohibited by law, regulation, or local ordinance, except where variances or permits have been obtained.

(b) The following are considered Primary Conservation Areas and are required to be included within the Open Space, unless the Applicant demonstrates that this provision would constitute an unusual hardship and be counter to the purposes of this article:

1. Riparian zones of at least 75 foot width on each side from the centerline of every perennial and intermittent stream shown on the United States Geological Survey (USGS) quadrangle topographic maps.
2. Slopes above 25% of at least 5000 square feet contiguous area.
3. Wetlands determined to be jurisdictional by the U.S. Army Corps of Engineers pursuant to Section 404 of the Clean Water Act except for minor road crossings necessary for access to other upland buildable areas.
4. Land seaward of the coastal construction zone limit, except where a variance has been obtained from the appropriate state and County authorities.
5. Total area of jurisdictional wetlands filled within 5 years prior to the submittal of the application on the parcel or parcels.

(c) The following are considered Secondary Conservation Areas and should be included within the Open Space to the maximum extent feasible:

1. Non-jurisdictional wetlands that meet the definition of a wetland given in the 1987 U.S. Army Corps of Engineers Wetlands Delineation Manual.
2. Existing healthy, native forests (e.g. longleaf pine) of at least one acre contiguous area.
3. The 100-year floodplain.
4. Important historic sites, archaeological sites, cemeteries, and burial grounds.
5. Other significant natural features such as individual healthy trees of significant size and scenic viewsheds such as ridge lines, peaks, and rock outcroppings, particularly those that can be seen from public roads.
6. Prime agricultural lands of at least five acres contiguous area.
7. Existing trails that connect the Conservation Development to neighboring areas.
8. Populations of endangered or threatened species, or habitat for such species.
9. Beach access in coastal areas.

(d) Above-ground utility rights-of-way, small areas of impervious surface, and areas within 10 feet of a road surface or building may be included within the protected Open Space but cannot be counted towards the 20% minimum buildable area requirement (exception: historic structures and existing trails may be counted). Large areas of impervious surface such as roads and parking lots shall be excluded from the Open Space, except as specifically authorized in other sections.

(e) At least 60% of the total required Open Space, which includes any Open Space required to attain Bonus Thresholds, shall be in a contiguous area. Where feasible, the Open Space shall adjoin any neighboring areas of Open Space in other parcels, any other protected areas, and any non-protected natural areas that would be candidates for inclusion as part of a future area of protected Open Space. Two

sections of Open Space on either side of a roadway are considered to be contiguous, provided that each of the two sections of Open Space comprises at least 15% of the total Open Space.

(f) The Open Space shall be directly accessible to the largest practicable number of lots within the development. Non-adjointing lots shall be provided with safe, convenient access to the Open Space.

(g) Conservation Developments may meet certain Bonus Thresholds by protecting additional Open Space. This Open Space is subject to the same rules and conditions as described elsewhere in these ordinances. The buildable area of the Conservation Development shall be as calculated above. And, as above, all Primary Conservation Areas shall be included in the Open Space. The Bonus Thresholds are as follows:

1. *Bonus Threshold 1.* The minimum restricted Open Space shall include buildable area totaling not less than 35% of the total buildable area of the Conservation Development.

2. *Bonus Threshold 2.* The minimum restricted Open Space shall include buildable area totaling not less than 50% of the total buildable area of the Conservation Development.

11.5.2 Permitted Uses.

(a) At the discretion of the Applicant, uses of Open Space may include the following:

1. Conservation of natural, archaeological or historical resources.
2. Meadows, woodlands, wetlands, wildlife corridors, game preserves, or similar conservation-oriented areas.
3. Walking or bicycle trails, provided they are constructed of porous paving materials.
4. Passive recreation areas, such as open fields.
5. Active recreation areas, provided that they are limited to no more than 10% of the buildable Open Space and are not located within Primary Conservation Areas. Active recreation areas may include impervious surfaces. Active recreation areas in excess of this limit must be located outside of the protected Open Space.

6. Agriculture, horticulture, silviculture, or pasture uses, provided that all applicable best management practices are used to minimize environmental impacts, provided such activities are not conducted within Primary Conservation Areas (except where minimal management practices are necessary for the maintenance of a healthy, viable forest or wetland), and provided such uses do not involve the clearing of forests, the filling of wetlands, or the conversion of forests to monocultures or plantations.

7. Subsurface wastewater disposal/reuse systems located on soils particularly suited to such uses and in compliance with Alabama Department of Environmental Management (ADEM) Underground Injection Control (UIC) permitted activities or Chapter 420-3-1 "Onsite Sewage Disposal and Subdivision-Onsite Sewage Systems, Water Supplies and Solid Waste Management" of the *Rules of the State Board of Health Bureau of Environmental Services*. Such facilities shall be located outside of Primary Conservation Areas. They should be naturally attractive and designed to function as native habitats, supporting native flora and fauna. The allowed systems do not include potable water or above-ground sewage treatment plants.

8. Easements for drainage, access, and underground utility lines.

9. Sidewalks.

10. Other conservation-oriented uses compatible with the purposes of this ordinance.

(b) Whether or not to allow public access to the protected Open Space is at the discretion of the Applicant.

11.5.3 Prohibited Uses.

(a) The uses of Open Space shall not include the following:

1. Golf courses.

2. Roads, parking lots, and impervious surfaces, except as specifically authorized in the previous sections.

3. Agriculture, horticulture, silviculture, or pasture uses that do not use all applicable best management practices to minimize environmental impacts, that are conducted within Primary Conservation Areas (except where minimal management practices

are necessary for the maintenance of a healthy, viable forest or wetland), or that involve the clearing of forests, the filling of wetlands, or the conversion of forests to monocultures or plantations.

4. Impoundments.

5. Man-made lakes.

6. Commercial uses not specifically authorized in the previous section.

7. Mining uses.

8. Potable water or above-ground sewage treatment plants.

9. Stormwater management facilities and wastewater disposal systems not specifically authorized in the previous section.

10. Other activities as determined by the Applicant and recorded on the legal instrument providing for permanent protection.

(b) These prohibited uses shall be clearly indicated in the legal instrument providing for permanent protection.

11.5.4 *Ownership and Management.*

(a) **Ownership of Open Space.** A Homeowners Association representing residents of the Conservation Development shall own the Open Space. Membership in the Homeowners Association shall be mandatory and automatic for all homeowners of the development and their successors. The Homeowners Association shall have lien authority to ensure the collection of dues from all members. The responsibility for maintaining the Open Space and any facilities located thereon shall be borne by the Homeowners Association.

(b) **Management Plan.** The Applicant shall submit a Plan for the Management of Open Space and Common Facilities ("Plan") that:

1. Provides guidelines for the maintenance and operation of the Open Space and any facilities located thereon, including provisions for ongoing maintenance and for long-term capital improvements.

2. Estimates the costs and staffing requirements needed for maintenance and operation of, and insurance for, the Open Space

and outlines the means by which such funding will be obtained or provided.

3. Provides that any changes to the Plan be approved by the Planning Commission.

4. Provides for enforcement of the Plan.

(c) In the event the party or parties responsible for maintenance of the Open Space fail to maintain all or any portion in accordance with the submitted management plan, Baldwin County may enter the premises and take corrective action or cause corrective action to be taken, including the provision of extended maintenance. The costs of such action and/or maintenance shall be chargeable to the said responsible party or parties, and/or to the Homeowners Association, and/or to the individual property owners that make up the Homeowners Association, and may include administrative costs and penalties. Such costs shall become a lien on all development properties.

11.5.5 *Legal Instrument for Permanent Protection.*

(a) The Open Space shall be protected in perpetuity by a binding legal instrument that is recorded with the deed. The instrument shall be a permanent conservation easement in favor of:

1. A land trust or similar conservation-oriented non-profit organization with legal authority to accept such easements. The organization shall be bona fide and in perpetual existence and the conveyance instruments shall contain an appropriate provision for retransfer in the event the organization becomes unable to carry out its functions.

2. The Baldwin County Commission.

(b) The holders of the conservation easement shall produce a baseline documentation report to establish the condition of the property at the time the easement is transferred and to provide a basis for future monitoring and enforcement. The holders of the conservation easement shall also monitor and enforce the easement and defend it from challenges. The easement holders may request funds from the Applicant to cover or defray these costs, and the Applicant shall pay the requested funds. Such funds must be dedicated to these easement activities. The amount of funding shall be determined by the Applicant and the easement holders no later than the time of transferal.

(c) The instrument for permanent protection shall include clear restrictions on the use of the Open Space. These restrictions shall

include all restrictions contained in this article, as well as any further restrictions the Applicant chooses to place on the use of the Open Space.

(d) For an area to be counted towards the Open Space requirement, the legal instrument for permanent protection shall not have been established more than 6 months prior to the submission of the first Preliminary Plat (or, if none is required, the first Final Plat) that clearly indicates that the proposed subdivision is to be a Conservation Development.

(e) The County may, in its discretion, require a form conservation easement, and, in that event, the Applicant shall grant such easement as provided, except only that the Applicant may add such use restrictions as the Applicant desires. The County may, however, accept any easement from an Applicant which, in the County's sole discretion, substantially complies with these ordinances.

11.5.6 Tax Assessment. Once a legal instrument for permanent protection has been placed upon the Open Space, the Homeowners Association may request that the Baldwin County Revenue Commission reassess the Open Space to reflect its more limited use.

Section 10.3 Historic Resource Overlay District

10.3.1 *Purpose.* The purpose of the historic resource overlay district is to ensure enforcement of the rules and ordinances adopted pursuant to Act No. 80-497 as amended by Act No. 89-960 of the Legislature of Alabama which authorizes Baldwin County to protect the historical architectural character of the County.

As an overlay district, the historic resource district does not replace the requirements of the underlying zoning district, but provides additional development requirements and standards which must be met by any development on the property.

10.3.2 *Area of application.* The historic resource overlay district applies to lands under the planning and zoning jurisdiction of Baldwin County which are designated as historic districts or preservation districts by the County Commission under the authority of Act No. 80-497 as amended by Act No 89-960. Historic districts or preservation districts designated by the County Commission are:

- (a) Magnolia Springs Preservation District
- (b) Montrose Preservation District
- (c) Battle's Wharf / Point Clear Preservation District

10.3.3 *Requirements.* Areas which lie in historic districts or preservation districts as designated by the County Commission are subject to the requirements of the Architectural & Preservation District Review Board of Baldwin County and any and all rules and ordinances adopted pursuant to Act No. 80-497 as amended by Act No. 89-960 of the Legislature of Alabama (refer to *Standards for Architectural Review and Development in Baldwin County Historic Districts*).

Section 10.4 Wetland Protection Overlay District

10.4.1 *Purpose.* The wetlands within Baldwin County, Alabama are indispensable and fragile natural resources with significant development constraints due to flooding, erosion and soils limitations. In their natural state, wetlands serve man and nature. They provide habitat areas for fish, wildlife and vegetation; water quality maintenance and pollution control; flood control; erosion control; natural resource education; scientific study; and open space and recreational opportunities. In addition wise use of forested wetlands is essential to the economic well-being of Baldwin County. A considerable number of these important natural resources have been lost or impaired by draining, dredging, filling, excavating, building, pollution and other acts. Piecemeal or cumulative losses will, over time, destroy additional wetlands. Damaging or destroying wetlands threatens public safety and the general welfare. It is therefore

necessary for Baldwin County to ensure maximum protection for wetlands by discouraging development activities that may adversely affect wetlands.

The purpose of the wetland protection overlay district is to promote wetland protection, while taking into account varying ecological, economic development, recreational and aesthetic values and to protect wetlands from alterations that will significantly affect or reduce their primary functions for water quality, floodplain and erosion control, groundwater recharge and wildlife habitat.

10.4.2 *Area of application.* The wetland protection overlay district applies to wetlands under the planning and zoning jurisdiction of Baldwin County. The Generalized Wetland Map adopted as part of these zoning ordinances shows the general location of wetlands and should be consulted by persons contemplating activities in or near wetlands. The Generalized Wetland Map, together with all explanatory matter thereon and attached thereto, is hereby adopted by reference and declared to be a part of these zoning ordinances. The Generalized Wetland Map shall be kept on file in the offices of the Planning & Zoning Department.

10.4.3 *Wetland protection district boundaries.* The Generalized Wetland Map is a general reference document and wetland boundaries indicated on the map are approximations. The Generalized Wetland Map is to alert developers/landowners if they are within proximity to a wetland, which means that there is a high likelihood of the presence of a jurisdictional wetland and a need for the developer/landowner to seek U.S. Army Corps of Engineers guidance as to whether a Section 404 permit will be required prior to any activity. The Generalized Wetland Map does not represent the boundaries of jurisdictional wetlands within the jurisdiction of Baldwin County and cannot serve as a substitute for a delineation of wetland boundaries by the U.S. Army Corps of Engineers, as required by Section 404 of the Clean Water Act, as amended. Any local government action under this section does not relieve the land owner from federal or state permitting requirements.

10.4.4 *Permit requirements.* A U.S. Army Corps of Engineers wetlands jurisdictional determination if the proposed planned development contains wetlands or if the Zoning Administrator or his/her designee determines potential wetlands from the Generalized Wetland map as defined herein, or through a site visit by County Staff. The setback for development from a wetland must be a minimum of 30 feet.

If the area proposed for development is located in or within the wetland protection district boundary, as determined from the Generalized Wetland Map, a U.S. Army Corps of Engineers jurisdictional determination shall be required prior to the issuance of a Land Use Certificate. If the Corps determines that wetlands are present on the proposed development site and that a Section 404 Permit or Letter of Permission is required, a Land Use Certificate will be issued only following issuance of the Section 404 Permit or Letter of Permission. Any

application for subdivision approval on property which contains wetlands or if the Zoning Administrator or his/her designee determines potential wetlands from the Generalized Wetland map defined herein through a site visit by County Staff, will have to obtain a U.S. Army Corps of Engineers wetlands jurisdictional determination. If the Corps determines that wetlands are present and that a Section 404 Permit or Letter of Permission is required, development may not proceed until the Section 404 Permit or Letter of Permission is issued.

10.4.5 Subdivisions in the Wetland Protection Overlay District. Where a parcel of land proposed to be subdivided contains an area of wetlands delineated as jurisdictional by the Army Corps of Engineers, said wetlands shall be subject to Section 404(b)(1) guidelines concerning fill material disposal into wetlands. Lots may be platted where sufficient upland areas exist to provide a building site for the principal structure and necessary ancillary facilities. Fill may be used where necessary to provide access to lots where approval for such fill has been received from the Army Corps of Engineers and other appropriate governmental agencies.

Wetlands delineated as jurisdictional by the Army Corps of Engineers and not permitted for fill shall be set aside as common area or shall be contained within an easement dedicated to protect the wetland. Said common area or maintenance easement shall extend a minimum of 30-feet beyond the limits of the wetland. Maintenance responsibility shall be vested in the trustees of the subdivision, by virtue of the trust indenture.

Section 10.5 Gulf Beach Overlay District

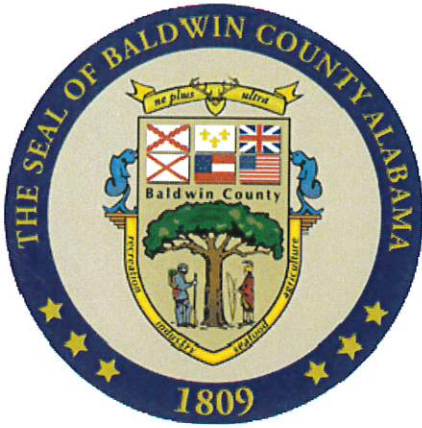
10.5.1 Purpose. The Gulf Beach Overlay District is implemented to protect the natural environment, to encourage open space development design and to protect the public health, safety and welfare of the public. This overlay district shall only apply in Planning District 25 in the area herein defined in *Section 10.5.2*.

10.5.2 Established boundaries. The Gulf Beach Overlay District boundaries shall be as depicted on the Planning District 25 Official Zoning Map. Changes to said boundary shall constitute a zoning map amendment.

10.5.3 Applicability. The Gulf Beach Overlay District relaxation of maximum building heights shall be applicable only to Planned Residential Developments (PRD) lawfully approved before May 4, 2004.

10.5.4 Development standards.

(a) *Building height.* Building heights may lawfully exceed the maximum building height contained in applicable sections of the Zoning Ordinances.



Appendix D-1

2.6 Post Construction Storm Water Management



Appendix D-2

2.6 Post Construction Storm Water Runoff Management Subdivision Review Checklist

PRELIMINARY / FINAL PLAT CONCURRENT INTAKE CHECKLIST

CASE NAME: Development Name

CASE NO. SC22-XXXXX **JURISDICTION:** Planning Jurisdiction or N/A **BC PLANNING DISTRICT:** XX
ZONING: unzoned or indicate Zoning **NUMBER OF LOTS OR UNITS:** XX

REVIEWED BY: Reviewer(s) **DATE:** XX/XX/20XX

PARCEL ID # 05-XX-XX-XX-X-XXX-XXX.XXX **PIN:**

ENGINEER OR SURVEYOR: Engineer or Surveyor **E-MAIL:** sample@xyzengineers.com

DEVELOPER: Developer or Property Owner **E-MAIL:** sample@sample.com

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.

§ 4.5 Application for Preliminary Plat

4.5 Pre-requisites		
City Approval (Planning Jurisdiction) OR Sketch plan approval (non- Planning Jurisdiction)		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: If City approval is not included with a Planning Jurisdiction case, advise the applicant that review of the case may be delayed until City approval is submitted. If the Sketch Plan review was not completed, stop reviewing immediately and notify the applicant the application is returned without review for failure to complete the Sketch Plan required by section 4.4. Note that Sketch Plans are required for subdivisions proposing six (6) or more lots AND new infrastructure (roads, drainage, etc.).		
Review Comments:		

Application Procedure and Requirements

The applicant shall file an application for a Preliminary Plat and Final 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) and 4.6.1 (a) Be made on Preliminary Plat and Final Plat application forms available at the offices of the Baldwin County Planning Director OR via Citizen Serve.		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: Applicants who seek subdivision approval for a non-exempt subdivision containing five (5) lots or less within the subdivision jurisdiction of the Baldwin County Commission may apply directly for a Preliminary Plat and Final Plat Approval at the same time provided that the following conditions are met: (1) the construction or development of the subdivision lots will not require installation or construction of streets, and (2) each lot in the proposed subdivision adjoins a private road or public right-of-way which provides access for existing utilities to connect with each proposed lot without requiring the construction of additional infrastructure or utilities to connect with the boundaries of each proposed lot. (Note: The Applicant for approval of a non-exempt subdivision containing five (5) lots or less which meets the requirements set forth above shall be required to pay the application fee for Final Plat Approval only.) Further, submission via Citizen Serve fulfills the “forms” requirement of this section.		
Review Comments:		

4.5.1 (b) and 4.6.1 (b) Be accompanied by the Final Plat (FP) application fee according to the current schedule of fees established by the County Commission for the particular category of application		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: Per § 4.1 a concurrent request of Preliminary and Final Plat for a non-exempt subdivision of 5 lots or less only requires submission of the final plat application fee. If the application fee is incorrect or not included, or if multiple application fees are included within a single check, give the applicant a deadline to respond with the correct fee(s) and submit with individual checks if needed.		

Date of last revision: 1/9/2022

Review Comments:

4.5.1(c) Be accompanied by two (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)

4.6.1(c) Be accompanied by:

- 5 full-size black or blueline prints of the proposed Final Plat
- one 11"x17" copy of the proposed Final Plat (obsolete as long as digital file submitted)
- one 8 1/2"x11" copy of the proposed Final Plat (obsolete as long as digital file submitted)
- 2 sets of As-built plans and in digital format as per Section 4.6.5 (generally not be required in concurrent reviews)
- 2 sets of Test Reports as per Section 5.15(c) (generally not be required in concurrent reviews)

N/A

Accepted

Revise and Resubmit

Intake Review Annotations: The submission of digital files via Citizen Serve in most cases will negate the need for the hard copies indicated by 4.5.1(c) and 4.6.1(c).

Review Comments:

4.5.1(d) and 4.6.1(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

Intake Review Annotations: The plat is required in both *Adobe pdf* and *dwg* format. Here the reviewer may exercise a bit of discretion as long as the plat is submitted in *Adobe pdf* format. In a concurrent application it is likely the plat will require revisions and the reviewer of the full subdivision application will have an opportunity to obtain the revisions in both *pdf* and *dwg* format once revisions have been satisfactorily accomplished.

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 draining plan is not required);

N/A

Accepted

Revise and Resubmit

Intake Annotations: This is an item where some type of drainage narrative must be included in the application – the applicant cannot simply omit this item or declare it "N/A". The drainage narrative may assert that drainage improvements are not required, but some type of drainage narrative must be submitted.

Review Comments:

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

Revise and Resubmit

Intake Annotations: Not applicable for cases within a Planning Jurisdiction which may be submitted at basically any time.

Review Comments:

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 and lists all easement, rights-of-way, mortgages, liens, or other encumbrances for a period of no less than 30 years

AND; 4.6.1(g) Unless previously submitted with the Preliminary Plat application, be accompanied by a current (within 60 days from date of application) title policy, title opinion, {title commitment} or title report verifying ownership. Said title document shall cover a period of no less than 30 years
<input type="checkbox"/> N/A <input type="checkbox"/> Accepted <input type="checkbox"/> Revise and Resubmit
Intake Review Annotation: Make certain some type of title document was submitted. The technical review will evaluate the merits of the title document itself.
Review Comments:

4.5.1(h) For subdivision developments proposing to utilize on-site septic systems, include a copy of documentation provided to 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 requirement
4.6.1(h) For developments proposing to utilize on-site septic systems, include the Baldwin County Health Department Certificate of approval on the final plat
<input type="checkbox"/> N/A <input type="checkbox"/> Accepted <input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: This item is often omitted by applicants and there is enormous confusion over this process because there are several different types of exemptions available from the Health Department. If documentation indicating the property is exempt from the Health Department requirements, consider this section satisfied for intake purposes with further review to occur in the technical review.
Review Comments:

4.5.1(i) and 4.6.1(k) 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.
<input type="checkbox"/> N/A <input type="checkbox"/> Accepted <input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: Cross-check the utilities listed on the plat vs. the utility letters submitted to make certain all utility letters have been furnished and the utility letters match the providers listed on the plat. The verification that a copy of the plat was submitted to each utility provider will be verified when the technical review occurs.
Review Comments:

4.6.1(i) Be accompanied by a final copy of restrictive covenants and/or deed restrictions and, if the development contains retention facilities or common areas, a recorded copy of the instrument creating a property owner's association for the subdivision
<input type="checkbox"/> N/A <input type="checkbox"/> Accepted <input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: If no such item is submitted, indicate that staff assumes no covenants and restrictions are to be recorded for the subdivision and further review will occur with the technical review.
Review Comments:

4.5.1(j) Be accompanied by the Traffic Study and other information as required by Section 5.5.14
<input type="checkbox"/> N/A <input type="checkbox"/> Accepted <input type="checkbox"/> Revise and Resubmit
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.
P&Z Comments:

4.6.1(j) If required improvements are not complete, be accompanied by a surety as required by Section 7.2 of these regulations
<input type="checkbox"/> N/A <input type="checkbox"/> Accepted <input type="checkbox"/> Revise and Resubmit
Intake Review Comments: It is very unlikely a bond will be submitted with a concurrent application, however, if a surety document (bond or letter of credit) is included in the application for Final Plat, assemble the surety and any other

similar documents to be reviewed by the Baldwin County Highway Department and transmit to Highway for review.
NOTE: surety documents carry the weight of hundreds of thousands or even millions of dollars – take great care in handling surety documents to make certain that no signed, sealed, or stamped documents are lost or misplaced.

P&Z Comments:

4.5.1(k) and 4.6.1(l) Be accompanied by a completed Subdivision Plat Application Submittal Checklist and completed Final 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

Intake Review Annotations: Submission via Citizen Serve will satisfy this requirement.

Review Comments:

4.5.1(l) Be accompanied by documentation from E-911 Addressing approving all street names.

N/A

Accepted

Revise and Resubmit

Intake Review Annotations: Not applicable for developments not installing streets or roads. If it is not clear if streets or roads are to be installed, assume the technical reviewer will evaluate this item.

Review Comments:

4.5.5 and 4.6.4 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

Intake Review Annotations: Check the registration of the engineer or surveyor with the Alabama Board of Licensure for Professional Engineers and Land Surveyors. If a surveyor or engineer is not properly licensed no technical review will commence until the licensure issue is resolved.

Review Comments:

4.5.5(g) Wooded areas, streams, cultural resources, and any other conditions affecting the site

N/A

Accepted

Revise and Resubmit

Intake Review Annotations: The intake reviewer will make a quick check of the potential wetlands layer in GIS. If potential wetlands exist on the site but a wetland delineation was not included with the application, require the wetland delineation prepared by a qualified wetland delineator to be submitted by a prescribed deadline in order for technical review to commence.

Review Comments:

FINAL PLAT IN-HOUSE REVIEW CHECKLIST

CASE NAME: **EXAMPLE SUBDIVISION**

CASE NO. **SFP22-00000X** JURISDICTION: **COUNTY** or **CITY** BC PLANNING DISTRICT: **XX** ZONING: **XX**

NUMBER OF LOTS OR UNITS: **XX** REVIEWED BY: **STAFF** DATE: **0XX/XX/20XX**

PARCEL ID # **05-XX-XX-XX-X-XXX-XXX.XX** PIN: **XXXX**

ENGINEER OR SURVEYOR: **ENG/SURVEYOR NAME** E-MAIL: sample@sample.com

DEVELOPER: **DEVELOPER NAME** E-MAIL: sample@sample.com

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.

§ 4.6.1 Application Procedure and Requirements

Following approval of the Preliminary Plat, the applicant shall file with the Baldwin County Planning Director an application for approval of the Final Plat. A complete application shall:

4.6.1(a) Be made on Final Plat application forms available at the offices of the Baldwin County Planning Director		
<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: Application form not required if submitted digitally through Citizen Serve.		
Review Comments:		

4.6.1(b) Be accompanied by the Final Plat application fee according to the current schedule of fees established by the County Commission for the particular category of application		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations:		
Review Comments:		

4.6.1(c) Be accompanied by:		
<ul style="list-style-type: none"> • 5 full size black or blue line prints of the proposed Final Plat • one 11"x17" copy of the proposed Final Plat • one 8 1/2"x11" copy of the proposed Final Plat • 2 sets of As-built plans and in digital format as per Section 4.6.5 • 2 sets of Test Reports as per Section 5.15(c): <ol style="list-style-type: none"> 1. Soil Gradation; 2. Optimum Moisture Content tests on embankment, subgrade and base material; 3. Soil Compaction test on subgrade and base material; 4. In-place asphalt density analysis of road building materials; 5. 28 day compressive strength of concrete; 6. Hydro-static test of water and pressurized sewer system as required by utility provider; 7. Air test of gravity sewer line as required by utility provider. 8. Bridge testing (Appendix 3) if applicable 		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: Hard copies not required if submitted digitally through Citizen Serve. If the final plat is for a developer installing improvements, the test reports listed above are mandatory, depending upon what improvements are installed. For example #8 is only applicable if a bridge was installed and is dedicated to the County.		
Review Comments:		

4.6.1(d) Be accompanied by a digital file of the proposed Final Plat, in suitable format to the Baldwin County Planning Director		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Annotations: Adobe pdf and dwg files are required.		
Review Comments:		

4.6.1(g) Unless previously submitted with the Preliminary Plat application, be accompanied by a current (within 60 days from date of application) title policy, title opinion, or title report verifying ownership. Said title document shall cover a period of no less than 30 years		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotation: Make certain some type of title document was submitted. The technical review will evaluate the merits of the report itself.		
Review Comments:		

4.6.1(h) For development proposing to utilize on-site septic systems, include the Baldwin County Health Department Certificate of approval on the final plat.		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: This item is often omitted from applications and there is enormous confusion over this process. As of 11/26/2021 staff's level of understanding is that lots larger than 3 acres, and subdivisions of 4 lots or less are generally exempt from this requirement. Subdivisions where all lots are at least 3 acres in size but include 5 or more lots are only required to include the Certificate of Approval from the Baldwin County Health Department for plat approval purposes.		
Review Comments:		

4.6.1(i) Be accompanied by a final copy of restrictive covenants and/or deed restrictions and, if the development contains retention facilities or common areas, a recorded copy of the instrument creating a property owner's association for the subdivision		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: If none submitted, use this checklist to request verification that no covenants or restrictions are proposed for the development. For the POA instrument, a copy of the unrecorded instrument is OK here for intake purposes but as a technical review comment the recorded instrument is required.		
Review Comments:		

4.6.1(j) If required improvements are not complete, be accompanied by a surety as required by Section 7.2 of these regulations		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Comments: Any surety documents submitted electronically for this P&Z review are for file purposes only. Any hard copies of surety documents shall be submitted by the applicant directly to HWY for their review.		
P&Z Comments:		

4.6.1(k) Be accompanied by a written report from each utility company which is to provide service to the proposed subdivision documenting their ability to serve said development unless previously submitted with the Preliminary plat application		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: Cross-check the utilities listed on the plat vs. utility letters submitted and if a letter does not correspond to each utility, or the utilities provider does not match the letter provided, use this checklist to require corrections. Utility letters older than 60 days from the date of submittal are generally considered untimely and not accepted. On-site sewer and on-site well will not have a utility letter. The verification that a copy of the plat was submitted to each utility provider will be verified when the technical review occurs.		

Review Comments:

4.6.1(l) Be accompanied by a completed Final Plat Application Submittal Checklist, and be accompanied by a transmittal letter listing all of the drawings, letters, attachments, and other information submitted for the application

N/A Accepted Revise and Resubmit

Intake Review Annotations:

Review Comments:

§ 4.6.4 Final Plat Requirements

4.6.4 Pre-Requisites

The Final Plat shall be prepared by a Professional Land Surveyor registered in the State of Alabama and shall be clearly and legibly drawn at a convenient scale of not less than one (1) inch equals 100 feet and the sheets shall be numbered if more than one (1) sheet is used. All text shall be a minimum of 1/10 of an inch in height. The sheet shall be of such size as is acceptable for filing in the Office of the Probate Judge, but shall not exceed 24 x 36 inches. The final Plat shall show the following:

N/A Accepted Revise and Resubmit

Intake Review Annotations: Check the registration of the engineer or surveyor with the Alabama Board of Licensure for Professional Engineers and Land Surveyors [Alabama Board of Licensure for Professional Engineers and Land Surveyors](#) Use this checklist to require any corrections but if a surveyor or engineer is not properly licensed no technical review will commence until the licensure issue is resolved.

Review Comments:

PRELIMINARY PLAT INTAKE REVIEW CHECKLIST

CASE NAME: XXXXXX

CASE NO. SPP22-00000X JURISDICTION: XXX BC PLANNING DISTRICT: XX ZONING CLASSIFICATION: XXXXX or Unzoned

NUMBER OF LOTS OR UNITS: XX REVIEWED BY: XXXXX DATE: XX/XX/20XX

PARCEL ID # 05-XX-XX-XX-X-XXX-XXX.XXX PIN:

ENGINEER OR SURVEYOR: XXXXXXXXXXXX E-MAIL: sample@sample.com

DEVELOPER: XXXXXXXX E-MAIL: sample@sample.com

INTAKE REVIEW E-Mail: Prepare an e-mail to the applicant immediately following review of all intake (green text) annotations and advise the applicant all intake deficiencies shall be sufficiently addressed by close of business on the immediate Thursday following the submittal date (or as appropriate). Advise the applicant if the deficiencies are not adequately addressed, the application will be returned without further review.

§ 4.5 Application for Development Permit

4.5 Pre-requisites
City Approval (Planning Jurisdiction) OR Sketch plan approval (non-Planning Jurisdiction)
<input type="checkbox"/> N/A <input type="checkbox"/> Accepted <input type="checkbox"/> Revise and Resubmit
<i>Intake Review Annotations: If City approval is not included with a Planning Jurisdiction case, advise the applicant that review of the case may be delayed until City approval is submitted. If the Sketch Plan review was not completed, stop reviewing immediately and notify the applicant the application is returned without review for failure to complete the Sketch Plan required by section 4.4. Note that Sketch Plans are required for subdivisions proposing six (6) or more lots AND new infrastructure (roads, drainage, etc.).</i>
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
<input type="checkbox"/> N/A <input type="checkbox"/> Accepted <input type="checkbox"/> Revise and Resubmit
<i>Intake Annotations: Submission via Citizen Serve will satisfy this section. If five (5) lots or less with no infrastructure is submitted, consult section 4.1 because a Concurrent Preliminary and Final Plat Submittal may be possible.</i>
Review Comments:

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
<input type="checkbox"/> N/A <input type="checkbox"/> Accepted <input type="checkbox"/> Revise and Resubmit
<i>Intake Annotations: If the application fee is incorrect or not included, or if multiple application fees are included within a single check, give the applicant a deadline to respond with the correct fee(s) and submit with individual checks if needed.</i>
Review Comments:

4.5.1(c) Be accompanied by 2 full-size sets of black or blue-line 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)
<input type="checkbox"/> N/A <input type="checkbox"/> Accepted <input type="checkbox"/> Revise and Resubmit

Date of latest revision: 1/9/2022

Intake Annotations: The submission of digital files via Citizen Serve in most cases will negate the need for the hard copies indicated by 4.5.1(c).

Review Comments:

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

Intake Annotations: The plat is required in both *Adobe pdf* and *dwg* format. Here the reviewer may exercise a bit of discretion as long as the plat is submitted in *Adobe pdf* format. It is likely the plat will require revisions and the reviewer of the full subdivision application will have an opportunity to obtain the revisions in both *pdf* and *dwg* format once revisions have been satisfactorily accomplished.

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

Intake Annotations: This is an item where some type of drainage narrative must be included in the application – the applicant cannot simply omit this item or declare it “N/A”. The drainage narrative may assert that drainage improvements are not required, but some type of drainage narrative must be submitted.

P&Z Comments:

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 Revise and Resubmit

Intake Annotations: Not applicable for cases within a Planning Jurisdiction which may be submitted at basically any time.

Review Comments:

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

Intake Review Annotation: Make certain some type of title document was submitted. The technical review will evaluate the merits of the report itself.

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

Intake Review Annotations: This item is often omitted by applicants and there is enormous confusion over this process because there are several different types of exemptions available from the Health Department. If documentation indicating the property is exempt from the Health Department requirements, consider this section satisfied for intake purposes with further review to occur in the technical review.

Review Comments:

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.
<input type="checkbox"/> N/A <input type="checkbox"/> Accepted <input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: Cross-check the utilities listed on the plat vs. the utility letters submitted to make certain all utility letters have been furnished and the utility letters match the providers listed on the plat. The verification that a copy of the plat was submitted to each utility provider will be verified when the technical review occurs.
Review Comments:

4.5.1(j) Be accompanied by the Traffic Study and other information as required by Section 5.5.14
<input type="checkbox"/> N/A <input type="checkbox"/> Accepted <input type="checkbox"/> Revise and Resubmit
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.
P&Z Comments:

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.
<input type="checkbox"/> N/A <input type="checkbox"/> Accepted <input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: Submission via Citizen Serve will satisfy this requirement.
Review Comments:

4.5.1(l) Be accompanied by documentation from E-911 Addressing approving all street names.
<input type="checkbox"/> N/A <input type="checkbox"/> Accepted <input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: Not applicable for developments not installing streets or roads. If it is not clear if streets or roads are to be installed, assume the technical reviewer will evaluate this item.
Review Comments:

§ 4.5.5 Subdivision Plat Requirements

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.
<input type="checkbox"/> N/A <input type="checkbox"/> Accepted <input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: Check the registration of the engineer or surveyor with the Alabama Board of Licensure for Professional Engineers and Land Surveyors. If a surveyor or engineer is not properly licensed no technical review will commence until the licensure issue is resolved.
Review Comments:

4.5.5(g) Wooded areas, streams, cultural resources, and any other conditions affecting the site		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: The intake reviewer will make a quick check of the potential wetlands layer in GIS. If potential wetlands exist on the site but a wetland delineation was not included with the application, require the wetland delineation prepared by a qualified wetland delineator to be submitted by a prescribed deadline in order for technical review to commence.		
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		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: Confirm that a contour map was furnished. Some surveyors include the contours on the plat itself in lieu of submitting a standalone drawing with contours, which is acceptable. The contour map is for file purposes and the plat that is <i>actually recorded</i> is not necessarily required to show contours.		
Review Comments:		

PLANNED UNIT DEVELOPMENT (SMALL) SITE PLAN REVIEW CHECKLIST

CASE NAME:

CASE NO. JURISDICTION BC PLANNING DISTRICT: ZONING:

NUMBER OF LOTS OR UNITS:

REVIEWED BY: DATE:

PARCEL ID # PIN:

ENGINEER OR SURVEYOR: E-MAIL:

DEVELOPER: 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.

9.5 Pre-requisites		
City Approval (Planning Jurisdiction cases)		
<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: If City approval verification is not included with a Planning Jurisdiction PUD case, advise the applicant that review of the case may be delayed until City approval is submitted. Because Planned Development approval may vary from city to city, indicate in the Intake Review E-mail that the applicant shall provide verification from the City if the Planned Development will be considered by that City's Planning Commission.		
Review Comments:		

§ 9.5.1 Final Site Plan Application

The applicant shall file an application for approval of a Final Site Plan. No Final Site Plan application will be considered by the Baldwin County Planning and Zoning Commission until all of the following requirements have been met. A complete application shall:

9.5.1(a) Final Site Plan Application Be made on forms available at the offices of the Baldwin County Planning Director		
<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: Any errors on the Development Permit/Final Plat application and/or Agency authorization form shall be corrected during the duration indicated in the Intake Review E-mail.		
Review Comments: Submittal via Citizen Serve		

9.5.1(b) Final Site Plan Application Be accompanied by the required application fee according to the current schedule of fees established by the County Commission for the particular category of application		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: If the application fee is incorrect or not included, or if multiple application fees are included within a single check, give the applicant the deadline in Intake Review E-mail to respond with the correct fee(s) and submit with individual checks if needed.		
Review Comments:		

9.5.1(c) Final Site Plan Application Be accompanied by one (1) full-size set of black or blueline prints of the proposed Final Site Plan as outlined below, one (1) 11"x17" copy of the said proposed Final Site Plan and seven (7) copies of the overall site plan to send to other agencies		
--	--	--

<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: Use the Intake Review E-mail to require any corrections to quantities of submitted drawings or plats.		
Review Comments: This is now N/A for any items submitted in Citizen Serve.		

9.5.1(d) Final Site Plan Application Be accompanied by a digital file of the proposed Final Site Plan, in suitable format to the Baldwin County Planning Director		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: Applicant must submit an Adobe pdf <i>and</i> dwg file with every submittal. Use the Intake Review E-mail if needed to correct any deficiencies. This is a non-negotiable item because HWY and ROW cannot perform their reviews without digital files.		
Review Comments:		

9.5.1(e) Final Site Plan Application Be accompanied by a current (within 60 days from date of application) title policy, title opinion, or title report, verifying ownership. Said title document shall cover a period of no less than 30 years		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input checked="" type="checkbox"/> Revise and Resubmit
Intake Review Annotation: Make certain some type of title document was submitted and use the Intake Review E-mail if needed to request it if it was not submitted. The technical review will evaluate the merits of the report itself.		
Review Comments:		

9.5.1(f) Final Site Plan Application Be accompanied by the Traffic Study and other information as required by Section 5.5.14		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input checked="" type="checkbox"/> Revise and Resubmit
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.		
Review Comments:		

9.5.1(g) Final Site Plan Application Comply in all respects with the Conceptual Site Plan, as approved, except for minor modifications as outlined in Section 9.4.5 Modification of Conceptual Site Plan		
<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: Not required for small scale Planned Unit Developments (less than 1,000 acres)		
Review Comments:		

9.5.1(h) Final Site Plan Application 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		
<input type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Annotations: Not applicable for cases within an Planning Jurisdiction (that are considered by that Planning Jurisdiction's Planning Commission) and may be submitted at basically any time.		
Review Comments:		

9.5.1(i) Final Site Plan Application Be submitted within the Effective Period of Approval as per Section 9.4.3 Effective Period of Conceptual Site Plan Approval		
<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Accepted	<input type="checkbox"/> Revise and Resubmit
Intake Review Annotations: Not required for small scale Planned Unit Developments (less than 1,000 acres)		

Review Comments:

9.5.1(j) Final Site Plan Application 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

N/A Accepted Revise and Resubmit

Intake Annotations: Use the Intake Review E-mail if needed to correct any deficiencies. This is an item where some type of submittal must be included in the application – the applicant cannot simply omit this item or declare it “N/A”.

Review Comments:

9.5.1(k) Final Site Plan Application Be accompanied by a transmittal letter listing all of the drawings, letters, attachments, and other information submitted for the application.

N/A Accepted Revise and Resubmit

Intake Review Annotations: Make certain the transmittal letter and the *correct* checklist for the type of application is included. Invariably the applicant will mark certain items “N/A” or leave certain items blank and those blank or “N/A” items will be evaluated by the reviewer.

Review Comments:

9.5.6(g) Final Site Plan Requirements Wooded areas, wetlands, streams, cultural resources, and any other conditions affecting the site

N/A Accepted Revise and Resubmit

Intake Review Annotations: The intake reviewer will make a quick check of the potential wetlands layer in GIS. If potential wetlands exist on the site but a wetland delineation was not included with the application, use the Intake Review E-mail to require the wetland delineation prepared by a qualified delineator to be submitted by the prescribed deadline.

Review comments

Supplemental Comments:

N/A Accepted Revise and Resubmit

Comments:

Baldwin County Natural Resource Review



Site Name: _____ Engineer: _____

- CBMPP designed by a QCP
- CBMPP includes a topo map, 1 foot increments, showing the proposed construction area along with any natural features such as watercourses, waterways, wetlands and any other sensitive (critical) areas
- Wetlands delineation required
- US COE Permit Required
- 30 ft Wetland Buffers required, Flagging & Signs
- FEMA Floodway Permit Required
- Stream Buffers Present
- ADCNR State Water Lands Permit Required
- CBMPP designates storm water discharge point(s) and whether the site discharges to ADEM 303d Listed
- Storm Water Facility Inspection Required
- Enhanced CBMP plan recommended
- Significant Trees on Site
- Water quality treatment recommended
- Dog Park/Car Wash Discharge
- Acres to be disturbed noted in CBMP plan
- ADEM General Permit Required
- Phasing required; site land disturbance exceeds 17.5 acres
- Construction exit located and detailed in CBMP plan
- Phased erosion and sediment control measures detailed in CBMP plan throughout construction
- CBMP plan has provisions for contractor inspection and maintenance of BMPs detailed in CBMP plan
- ADEM 13-day rule detailed in CBMP plan
- Dust Control requirements detailed in CBMP plan
- Concrete washout area located and detailed in CBMP plan
- Spill Prevention Control Countermeasures Plan (SPCCP) requirements detailed in plan
- Onsite burning requirements detailed CBMP plan
- Dumpster requirements detailed in CBMP plan
- Sanitary Waste requirements detailed in CBMP plan
- Permanent stabilization measures detailed in CBMP plan
- Alabama/Riviera Power ROW Permit Required
- ALDOT ROW Permit Required

Other comments: _____

Comments:

Disclaimer: An approved CBMP Plan does not guarantee site compliance. When warranted, additional BMPs should be added throughout the construction process to assure site compliance and to prevent off site impacts.

Date _____

Reviewed by Initials _____

Final Inspection Check List:



Description
(Appendix B)



BALDWIN COUNTY COMMISSION
PLANNING AND ZONING DEPARTMENT

Main Office (Mailing)
PO Box 220
Silverhill, AL 36576
Phone: (251) 580-1655
Fax: (251) 580-1656

Main Office (Physical)
22070 Highway 59
Robertsdale, AL 36567
Phone: (251) 580-1655
Fax: (251) 580-1656

Foley Satellite Office
201 East Section Street
Foley, AL 36535
Phone: (251) 972-8523
Fax: (251) 972-8520

BEFORE YOU BUILD, BUY OR SUBDIVIDE

Property owners and potential buyers should conduct the proper due diligence before building on, buying or subdividing land. Due diligence is the owner's responsibility and failure to perform such thorough research could result in a significant self-imposed hardship. The following notice contains information to consider and organizations to contact during the research process are listed on the back. For more detailed information, please visit the Planning & Zoning Department's website at: www.planning.co.baldwin.al.us.

- **Zoning** – Contact the Planning & Zoning Department to verify the property's zoning designation and permissible uses. You shouldn't buy property in a commercial zoning district if you are planning to build a single family residence. Also, each zoning designation has its own area and dimensional ordinances such as setbacks, density and lot widths that guide property development.
- **Wetlands** – The Planning & Zoning Department can assist in determining the presence of potential wetlands, which could restrict the desired development of the property concerning issues such as density and setbacks. The U.S. Army Corps of Engineers holds jurisdiction over wetlands and water bodies, and could require additional permits before construction can begin.
- **Subdividing** – Contact the Subdivision Division of the Highway Department to make sure the property has been legally subdivided—even if the division has been recorded at the Baldwin County Probate Judge's Office, it may not be a legal subdivision of land. Also, the parameters of each zoning designation such as lot width and density, will determine how you will be able to divide the property.
- **Covenants & Restrictions** – Contact the Recording Division of the Probate Judge's Office to verify whether there are deed restrictions or covenants that may limit the property's specific uses.
- **Flooding** – Visit the property after a weather event such as a thunderstorm, to check for flooding. In certain flood elevations, the Baldwin County Building Inspection Department requires documentation such as Elevation Certificates or engineer-stamped plans, before issuing a building permit.
- **Paved or Dirt Access** – There can be an extreme difference in living on a dirt road than a paved road. Find out if the road is publicly or privately maintained, it could lead to a financial burden in maintaining the road and your vehicle.
- **Property Lines** – You may wish to have a survey performed to verify property lines, which could determine the ownership and responsibility of items such as existing fences or trees.
- **Rights-of-Way and Easements** – Be sure to check for ingress and egress easements, utility easements and public and privately maintained rights-of-way. The Public Land Officer's primary responsibilities include researching and verifying public right-of-way and easement information.
- **Utilities** – Contact local utility companies to verify the availability of utility service. If sewer is not available, then contact the Baldwin County Health/Environmental Department for requirements related to subdividing property.

THIS NOTICE IS NOT LEGAL ADVICE, BUT IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT EXHAUSTIVE AND EACH CASE MAY REQUIRE FURTHER RESEARCH.

**Baldwin County's
Official Website:**
www.baldwincountyal.gov

**Baldwin County Land
Management Division**
(251) 937-0248
(251) 580-1873 Fax

**Baldwin County Building
Inspection Department**
201 East Section Street
Foley, AL 36535
(251) 972-6837
(251) 972-6820 Fax

1100 Fairhope Avenue
Fairhope, AL 36532
(251) 990-4641
(251) 990-4642 Fax

**Baldwin County Highway
Department**
(Physical) 22070 Highway 59
Robertsdale, AL 36567
(Mailing) P.O. Box 220
Silverhill, AL 36576
(251) 937-0371
(251) 937-0201 Fax

**Baldwin County Highway -
Permits & Subdivisions**
(Physical) 22070 Highway 59
Robertsdale, AL 36567
(Mailing) P.O. Box 220
Silverhill, AL 36576
(251) 937-0278
(251) 937-0227 Fax

**Baldwin County Probate
Judge's Office**
220 Courthouse Square
Bay Minette, AL 36507
(251) 937-0260
(251) 937-0252 Fax

1100 Fairhope Avenue
Fairhope, AL 36532
(251) 928-3002 ext. 4645
(251) 580-2594 Fax

201 East Section Street
Foley, AL 36535
(251) 943-5061 ext. 2863
(251) 580-2588 Fax

**Baldwin County Revenue
Commissioner's Office**
P. O. Box 1389
Bay Minette, AL 36507
Eastern Shore: (251) 928-0860
South Baldwin: (251) 943-5611
North Baldwin: (251) 937-0245
Foley: (251) 943-5061
Fairhope: (251) 928-3002

**Baldwin County
Health/Environmental Office**
(Physical) 22251 Palmer Street
(Mailing) P.O. Box 369
Robertsdale, AL 36567
(251) 947-3618
(251) 947-3557 Fax

U.S. Army Corps of Engineers
Mobile District
109 Saint Joseph Street
Mobile, AL 36628-0001
(251) 690-2511
(251) 690-2525 Fax
www.usace.army.mil

U.S. Geological Survey
USGS National Center
12201 Sunrise Valley Drive
Reston, VA 20192
(888) 275-8747
www.usgs.gov

**United States Environmental
Protection Agency**
Region 4
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, GA 30303-8960
(404) 562-9900
(800) 241-1754
(404) 562-8174 Fax

**U.S. Department of
Transportation
Federal Highway
Administration**
400 Seventh Street, SW
Washington, DC 20590
www.fhwa.dot.gov

**Alabama Department of
Transportation (ALDOT)**
1409 Coliseum Boulevard
P.O. Box 303050
Montgomery, AL 36130-3050
www.dot.state.al.us

ALDOT Ninth Division
1701 North Beltline Hwy
Mobile, AL 36618
(251) 470-8200
(251) 473-3624 Fax

**Alabama Department of
Environmental Management
(ADEM)**
1400 Coliseum Blvd.
Montgomery, AL 36110
P.O. Box 301463
Montgomery, AL 36130-1463
(334) 271-7700
www.adem.state.al.us

**U. S. Department of Agriculture
Natural Resources
Conservation Service (NRCS)**
P.O. Box 311
3381 Skyway Drive
Auburn, AL 36830
(334) 887-4500
(334) 887-4551 Fax
www.al.nrcs.usda.gov

**Alabama Department of
Conservation and Natural
Resources (ADCNR)**
64 N. Union Street
Montgomery, AL 36130
www.outdooralabama.com

ADCNR State Lands Division
30945 5 Rivers Boulevard
Spanish Fort, AL 36527
(251) 621-1216
(251) 621-1331 Fax

**Baldwin County
Association of Realtors**
908 Plantation Blvd.
Fairhope, AL 36532
(251) 928-1708
(251) 928-1046 Fax
www.baldwincountyrealtors.com

Eastern Shore Metropolitan Planning Organization (ESMPO)
 1100 Fairhope Avenue
 Fairhope, Alabama 36532
 www.eastshorempo.org
 Phone: 251-990-4140; 251-980-4613
 E-mail: coordinator@eastshorempo.org

A Guide to Local Traffic Improvements

ITS, Diverging Diamond
 & Roundabouts



ESMPO - A Federally Fended
 Transportation Planning Organization

Intelligent Transportation Systems (ITS)

Coming Soon... Adaptive Traffic Signal

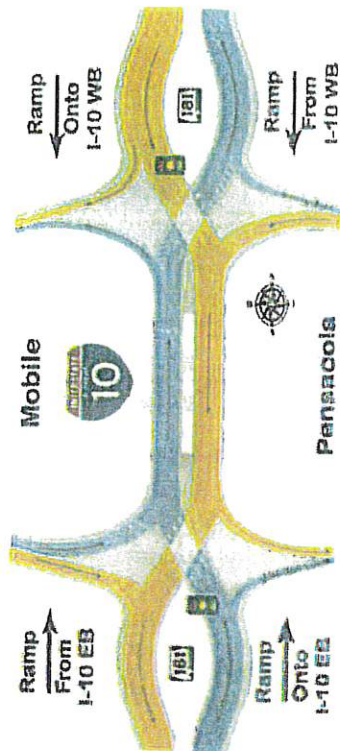
The ITS system is a SCOOT system – The Software and Hardware collects and uses real-time data to adjust traffic signal timing to improve thru-time.

- ITS builds roadway capacity without adding additional lanes.
- Signals are connected to each other and to the system using fiberoptic network.
- Detection includes wireless sensors and traffic cameras.
- Servers and camera feed is housed at the ALDOT Traffic Management Center in Mobile.
- The SCOOT system can improve capacity from 10%-30%
- We will see gradual improvements as the system is online and collecting data. The longer it is online, the better it will work (to a certain threshold).
- The US 98 system is expected to be fully online and operational Summer 2015 (June).
- Side streets may experience longer wait times at signals (US 98 will be a priority).
- The Adaptive Signal project Covers 28 Intersections – From Westminster Blvd. in Spanish Fort To CR 32 in Fairhope.

The US 98 Adaptive Traffic Signal project is a cooperative effort between: ESMPO, ALDOT, City of Fairhope, City of Daphne, City of Spanish Fort, and the Baldwin County Commission.

ALDOT Traffic Management Center - Mobile





Diverging Diamond Intersections (DDI)

A DDI moves more traffic and reduces congestion better than a conventional interchange. Dangerous left hand turns across free-flowing traffic are eliminated on exits from SR-101 onto I-10 resulting in more efficient traffic flow and fewer accidents. DDIs have fewer conflict points. While there are 26 possible points of conflict in a conventional interchange, there are only 14 in a DDI, and they are spread throughout the interchange. DDIs have better visibility because they eliminate cross-traffic turns. Data on existing DDIs indicate a 60 percent reduction of collisions over conventional interchanges. Crashes that may occur are generally of lower severity than crashes observed in conventional interchanges.

How to Navigate a DDI

Motorists on SR-101 will proceed through the first traffic signal and follow their lane to the opposite side of the road. Traffic accessing I-10 will turn left on to the ramp.

Through traffic will continue to the second traffic signal and follow their lane back to the right side of the road.

Traffic on I-10 will access exiting ramps to enter SR-101.

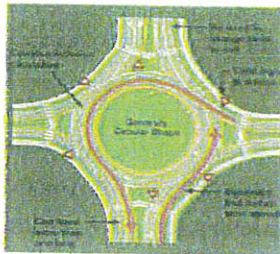
For more information:
http://tp.dot.state.fl.us/10_SR_101/

Roundabouts

A roundabout is a type of circular intersection with yield control of entering traffic, islands on the approaches, and appropriate roadway curvature to reduce vehicle speeds.

Modern roundabouts are different from rotaries and other traffic circles. For example, roundabouts are typically smaller than the large, high-speed rotaries still in use in some parts of the country. In addition, roundabouts are typically larger than neighborhood traffic circles used to calm traffic. A roundabout has these characteristics:

- Improve safety
- More than 90% reduction in fatalities*
- 76% reduction in injuries**
- 35% reduction in all crashes**
- Slower speeds are generally safer for pedestrians
- Reduce congestion
- Efficient during both peak hours and other times
- Typically less delay
- Reduce pollution and fuel use
- Fewer stops and hard accelerations, less time idling
- Save money
- Often no signal equipment to install, power, and maintain
- Smaller roundabouts may require less right-of-way than traditional intersections
- Often less pavement needed
- Complement other common community values
- Quieter operation
- Functional and aesthetically pleasing (Credit-FHWA)



Compared to other types of intersections, roundabouts have demonstrated safety and other noted benefits.



Traffic Roundabout in Fairhope, inset depicts an aerial view at night.

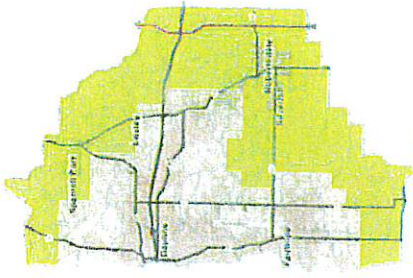
Eastern Shore MPO

ESMPO Encourages All To Become Involved

We pledge that public participation is solicited without regard to race, color, national origin, sex, age, religion, disability or family status. Persons who require special accommodations under the Americans with Disabilities Act or those requiring language translation services should contact the Eastern Shore MPO at 251-990-4643 or 251-990-1640.

Asistencia de idiomas esta disponible pidiendose un contacto con personal de la MPO en

coordinator@easternshorempo.org



Small Urbanized Area

Smoozed Urban Area

MPO Planning Area

Eastern Shore Metropolitan Planning Organization (ESMPO)
A TRANSPORTATION PLANNING ORGANIZATION

Eastern Shore Metropolitan Planning Organization
1100 Parkside Avenue
P.O. Box 1000
Piney Point, MD 21135
www.esmponet.org

Eastern Shore Metropolitan Planning Organization
1100 Parkside Avenue
P.O. Box 1000
Piney Point, MD 21135
www.esmponet.org
Phone: 251-990-4643 / 251-990-1640
E-mail: coordinator@easternshorempo.org

Primary Tasks of an MPO

Involve the Public
Encourage community involvement during the transportation planning process.

Establish and Manage a Fair and Impartial Transportation Process

Ensure existing and future expenditures for transportation projects and programs are based on a continuing, cooperative, and comprehensive planning process. We do this by taking advice from advisory boards from public to private, soliciting input through open meetings, dissemination of notices to underserved populations, arranging open public comment periods, and by ESMPD pursuant being available to the public.

Prepare Planning Documents for Metropolitan Planning Area (MPA)

The ESMPD compiles primary planning documents including: the Budget Planning Work Program (MPO Planning Budget), the Long Range Transportation Plan (30 year transportation plan), the Transportation Improvement Plan, (also known as the TIP, a four year transportation plan); the Public Participation Plan (how the public can be involved) and the Bicycle and Pedestrian Concept.

About the ESMPD

The Eastern Shore Metropolitan Planning Organization, also known as the ESMPD, is a transportation planning organization comprised of Member Governments along the Eastern Shore of Baldwin County. These member governments include the City of Daphne, Fairhope, and Spanish Fort; the Town of Ludley and land areas of Baldwin County in between and near these member communities (see map on front).

What and Why an MPO?

Transportation Planning includes all modes of transportation; including vehicular, pedestrian and bicycle. The MPO is established and funded through the Federal Highway Administration (FHWA).

MPO's are established once an area reaches 50,000 in population. The Eastern Shore MPO was formed following the 2010 Census.



Contact Us!
Sarah Hartwick, ESMPD Coordinator, Sarah.Hartwick@esmpd.org
Jennifer Hight, ESMPD Technical Services Administrator, Jennifer.Hight@esmpd.org
Visit our Website: www.easternshorempo.org
Like us on Facebook

Plan Review - Development

BCHD GUIDELINES FOR OPERATIONS

Activity/Sub-Activity Description: Subdivision Review & Permitting

Activity Code Number: 802

Administered by: Office Administrator (OA), Permit Subdivision Mgr. (PM), Engineering Tech (ET) of the Permit Section

Definition: This activity is to ensure residential & commercial Subdivisions abide by the Baldwin County Subdivision Regulations.

Procedure to Accomplish:

FOR ETI CASES:

- 1) Applicant submits a Development Permit application
- 2) OA looks over the application to ensure all requested information is given (20 min Process Time (PT))
 - If application is lacking information this information must be gathered before the review process is initiated
 - Once the application contains all applicable information the review process can continue
- 3) OA creates a file for the application (40 min PT)
 - Assign the file a number (look in database for next available number)
 - Create both a physical folder as well as a digital folder
- 4) OA sends out copies of plat to necessary parties, request approvals from utility companies (30 min PT)
- 5) PM performs review of application (Utilize Subdivision Regulations as well as the in-house checklist to determine if all requirements are met and insure the safety of the general public is maintained). If subdivision accesses a non-County maintained road a letter must be sent out to the entity responsible for maintenance to obtain their approval of the plans. (120 min PT)
- 6) If traffic impact study is warranted the PM obtains quote from approved consultant, receives payment from developer, and gives consultant a notice to proceed for the study. Once the study has been completed the PM determines if any improvements are warranted. (Lead Time (LT) may take several weeks, continue with other steps while this process is underway - 60 min PT)
- 7) PM visits the site to determine if factors exist that are not seen with the application (30 - 120 min PT)
- 8) PM determines if the Development Permit meets all applicable requirements and composes letter to send to the applicant and city (30 min PT)
 - If any deficiencies exist the deficiencies should be detailed out to the applicant
 - Once all requirements have been met the permit shall be approved
- 9) OA sends out the review letter to the applicant and the city (10 min PT)
- 10) After Development Permit is approved applicant submits Construction Plans for review

BCHD GUIDELINES FOR OPERATIONS

- 11) OA looks over the application to ensure all requested information is given (20 min Process Time (PT))
 - If application is lacking information this information must be gathered before the review process is initiated
 - Once the application contains all applicable information the review process can continue
- 12) OA updates the file for the application (15 min PT)
- 13) PM & ET perform review of application (Utilize Subdivision Regulations as well as the in-house checklist to determine if all requirements are met and insure the safety of the general public is maintained). (180 min PT)
- 14) PM determines if the Construction Plans meets all applicable requirements and composes letter to send to the applicant and city (30 min PT)
 - If any deficiencies exist the deficiencies should be detailed out to the applicant
 - Once all requirements have been met the permit shall be approved
- 15) OA sends out the review letter to the applicant and the city (10 min PT)
- 16) Once the construction plans are approved and all applicable permits have been obtained the PM issues a Subdivision Permit to the applicant, granting them permission to begin construction (15 min PT)
- 17) ET inspects subdivision during construction and issues statement to whether or not the improvements meet the minimum standards or not (See Subdivision Inspection SOP)
- 18) After construction is complete and improvements have been approved applicant submits Final Plat application
- 19) OA looks over the application to ensure all requested information is given (20 min Process Time (PT))
 - If application is lacking information this information must be gathered before the review process is initiated
 - Once the application contains all applicable information the review process can continue
- 20) OA updates the file for the application (15 min PT)
- 21) PM performs review of application (Utilize Subdivision Regulations as well as the in-house checklist to determine if all requirements are met and the plat does not differ from the previously plat (90 min PT)
- 22) PM determines if the Final Plat meets all applicable requirements and composes letter to send to the applicant and city (15 min PT)
 - If any deficiencies exist the deficiencies should be detailed out to the applicant
 - Once all requirements have been met the plat shall be approved
- 23) OA sends out the review letter to the applicant and the city (10 min PT)
- 24) After the Final Plat is approved the applicant obtains all necessary signatures and submits Final Plat to County to obtain signatures from the Planning Director (if located in a zoned district) and the County Engineer
- 25) PM reviews Final Plat to ensure nothing has changed from previously approved plat (10 min PT)
- 26) PM Obtains signatures from necessary staff (10 min PT)
- 27) Applicant picks up signed Final Plat, and takes to the office of Probate for Recording. Once the Final Plat is recorded (5) copies are brought back to the County
- 28) OA sends out copies of Recorded Plat to necessary parties and files the remaining plat(s) (20 min PT)

Plan Review - Development

CONSTRUCTION PLANS PROCEDURE AND REQUIREMENTS SUBMITTAL CHECKLIST

This checklist shall be completed and signed upon submitting applications to be considered by the Baldwin County Commission or through the ETJ review process.

NAME OF PROPOSED PROJECT:

CASE NO.:

DATE:

Prior to commencement of construction pursuant to Development Permit approval, the applicant shall submit 2 sets of construction plans for the required improvements, the construction plans review fee, and engineering calculations prepared in accordance with these regulations. These plans and calculations will be reviewed by the County Engineer for compliance with these regulations. Any items being deficient will be detailed in a letter to the applicant and corrected plans and calculations shall be resubmitted. A Subdivision Permit will not be issued until the Construction Plans have been approved by the County Engineer or his/her designee.

All plans shall meet the minimum standards of design and general requirements for the construction of public improvements as set forth in these regulations. Construction plans shall be drawn at a scale of not less than one (1) inch equals fifty (50) feet and map sheets shall be of the same size as the Subdivision Plat. Construction plans shall be prepared by a Licensed Professional Engineer registered in the State of Alabama. The following construction plans shall be included:

(4) Street Plan containing the following information:

1. Locations of all proposed and existing streets or rights-of-way in or adjacent to the subdivisions;
2. Width of existing and proposed rights-of-way and easement;
3. Street names and location of street signs;
4. Plan and Profile of all streets, showing natural and finished grades drawn to scale of not less than one (1) inch equals 100-foot horizontal and one (1) inch equals 10 feet vertical;
5. Typical roadway Section detail;
6. Cross Sections of proposed streets at a minimum of 100 foot stations;
7. Curve data for the centerline of each street: Delta, Tangent, and Radius;
8. Location of all proposed sidewalks and crosswalks.

(b) Storm Drainage Plans showing plans and specifications that describe the measures proposed to manage storm water runoff (see Section 5.11: Drainage Systems and Section 5.12: Storm Water Detention/Retention Management). This shall include an overall drainage plan and documents containing all supporting drainage calculations.

(c) Erosion control Plans showing plans and specifications that describe the measures and best management practices which are proposed to control site erosion during and after construction (see Section 5.13: Erosion and Sedimentation). This shall include an overall erosion control plan.

(d) Utility Plans showing plans and specifications for the proposed water supply, sewage disposal, and fire protection as applicable (see Section 5.2.5: Utilities). This shall include an overall utility plan.

(e) Traffic Control Plans showing plans and specifications for the proposed permanent and temporary traffic control devices.

I certify that to the best of my knowledge, all information supplied with this submittal is complete and accurate.

Signature of Applicant/Engineer/Surveyor

Firm

Date

Plan Review - Development

Drainage / Erosion Control Plan Checklist For 2012 Regulations

1

Section 5.11.2 Drainage System Standards

CASE NAME _____ CASE NO. _____
 DISTRICT _____ ZONED _____ REVIEW ENGINEER _____ DATE _____
 PARCEL ID _____
 APPLICANT INFO _____

Section 5.11.2 Drainage System Standards

- (a) Stormwater drainage system separate and independent from any sanitary sewer system
- (b) Design narrative and calculations by P.E. licensed in Alabama
- (c) FFD does not restrict the flow of water or retained stormwater to adjacent properties
- (d) If water is diverted into an unsaturated water system on private land drainage rights must be secured by the applicant and indicated on the plans
- (e) Any spring water is carried away by pipe of open ditch (either in ROW or unobstructed drainage easement)
- (f) Potential upstream development accommodated in design
- (g) Downstream drainage facilities adequate for additional runoff

Section 5.11.3 Drainage Systems

- (a) Inlets provided to prohibit surface water from running across intersections or for a distance greater than 600' in a gutter
- (b) Spread no greater than 1/2 of the design lane width
- (c) Drains, ditches, drainage systems, bridges and box culverts comply with Baldwin County Design Standards for New Road Construction
- (d) Backwater does not flood/adversely affect upstream property
- (e) Roadway cross drain pipes / easement driveway culverts min 18" (or equivalent arch pipe) RCP
- (f) Pipes outside the travel way are ALDOT approved materials
- (g) Open ditches must have a flat bottom and max of 3:1 side slopes
- (h) V-bottom ditches or other special designs permitted only in special cases
- (i) Volume & velocity shown for each different ditch section
- (j) Ditch lining based on velocity
- (k) Longitudinal grade shall not be less than 0.3%
- (l) Rational Method used for areas less than 200 acres, if over 200 acres Regression Equations (road or urban) and SCS Method only
- (m) Kutter Equation used to determine time of concentration
- (n) Scale map of off-site & on-site drainage areas including the slope, type, size, flow, velocity, and headwater/retention elevations for each pipe & structure
- (o) 3:1 covered sloped paved headwalls required for pipe culverts (4:1 required on pipe culverts that are parallel to traffic flow)
- (p) Headwalls and riprap comply with ALDOT standards

Drainage / Erosion Control Plan Checklist For 2012 Regulations

4

Section 5.13 Erosion and Sedimentation

- (a) ADEM approved CEMPP submitted
- (b) Erosion and sedimentation control plan submitted with construction plans
- (c) Public & private property are protected during land-disturbing activities

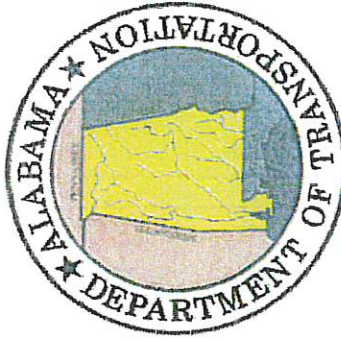
Plan Requirements

- Contact info shown
- Legend
- List of total disturbed acreage
- Construction limits shown
- Building and/or prepared contours shown & labeled
- Existing and/or prepared storm lines & inlets shown
- Any wetlands shown
- FEMA 100-year flood plain shown
- Flaming of BMP's with construction activities listed/described
- Appropriate BMP's used and identified
- Measures are proposed to control stormwater rates and minimize downstream erosion
- Inlet protection is provided
- Sediment basin/trap provided and/or other measures to control sediment
- Energy dissipaters & outlet protection provided (check toe walls and filter fabric)
- Slopes & embankments stabilized
- BMP details provided (per current Alabama Erosion Control Manual or other standards)
- Stockpile area and batch area shown and labeled
- Areas to be mulched/seeded shown and specified
- Areas of permanent erosion control (other than vegetation) clearly shown
- Construction entrance location & details
- Any other erosion control measures as needed

Plan Review - Roadway

ROADWAY PLANS PREPARATION MANUAL PLANS PREPARATION AND ASSEMBLY

State of Alabama
Department of Transportation



Alabama Department of Transportation Submitted for Approval
<i>William F. Johnson</i> State Design Engineer, Design Bureau
Approved: <i>Ray C. Johnson</i> Chief Engineer/Deputy Director

December 2008

Version Number: 2008 01

Plan Review - Roadway

PLAN REVIEW PERCENTAGE COMPLETE REQUIREMENTS										
DESCRIPTION	PRELIMINARY SUBMITTAL 30%	Reviewed	PLAN IN HAND 60%	Reviewed	PS&E 85%	Reviewed	FINAL BACK CHECK 95%	Reviewed	FINAL PLANS 100%	Reviewed
TITLE SHEET	40		60		95		95		100	
PLANS LEGEND	30		80		95		100		100	
INDEX OF SHEETS	30		80		90		100		100	
GENERAL PLAN & TRAFFIC DATA	50		70		90		100		100	
GEOMETRIC CONTROL LAYOUT & DATA	0		60		90		100		100	
TYPICAL SECTIONS	30		60		90		95		100	
PROJECT NOTE SHEET	0		0		80		95		100	
SUMMARY OF QUANTITIES - PAY SHEET	0		0		80		90		100	
SUMMARY OF QUANTITIES - BOX SHEET	0		0		80		90		100	
PLAN SHEETS	30		70		90		95		100	
EROSION CONTROL PLAN	0		70		90		95		100	
PROFILE SHEETS	50		70		90		95		100	
E.O.P. PROFILES	0		70		90		95		100	
PAVING LAYOUTS	30		70		90		100		100	
HYDRAULIC DATA SHEETS	0		70		90		95		100	
DRAINAGE SECTIONS	0		70		85		100		100	
GRADING PLANS	0		70		85		100		100	
TRAFFIC CONTROL PLAN	0		70		90		100		100	
SIGNING PLANS	0		60		85		95		100	
SIGNALIZATION PLANS	0		60		85		95		100	
CLEARING, GRUBBING & UTILITIES	0		50		85		95		100	
BRIDGE/PLANS	0		0		90		100		100	
CROSS SECTIONS	40		70		90		100		100	

Plan Review – Roadway

Plan Development Environmental Checklist

- 1) _____ Preliminary Submittal 30% Plan Review (See Plan Review Checklist)
- 2) _____ Plan in Hand 60% Plan Review (See Plan Review Checklist)
- 3) _____ Perform corridor study to determine if a Categorical Exclusion or Environmental Assessment is needed. If an EA is required, determine whether a FONSI or EIS is needed. Place a check by all that are required.
 - a) Categorical Exclusion _____
 - b) Environmental Assessment _____
 - i) Finding of No Significant Impact _____
 - ii) Environmental Impact Study _____
- 4) _____ NPDES certification letter sent to ALDOT
- 5) _____ PS&E 85% Plan Review (See Plan Review Checklist)
- 6) _____ Final Back Check 95% Plan Review (See Plan Review Checklist)
- 7) _____ Final Plans 100% Plan Review (See Plan Review Checklist)
- 8) _____ NOI and CBMPP Prepared
 - a) Disturbed area will be greater than 1 acre
 - b) Is the project in a priority site? (Y/N) _____
 - i) If yes, submit CBMPP with NOI _____
- 9) _____ NOI Submitted (CBMPP also submitted for priority sites)

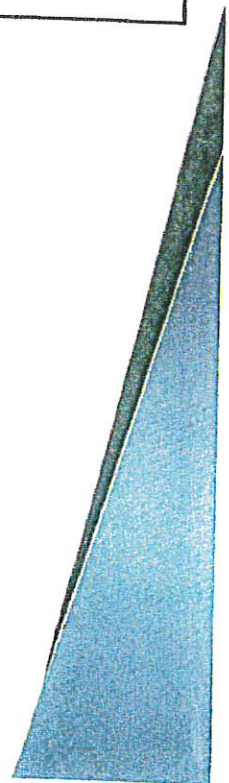
Inspections - SOPs




ALABAMA DEPARTMENT
OF TRANSPORTATION

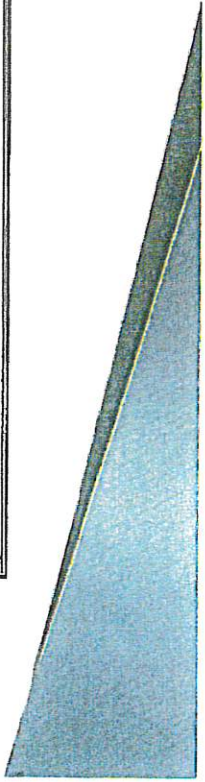
Construction Manual

BUREAU OF CONSTRUCTION



Inspections - SOPs

APPROVED FOR PUBLICATION	<p>ALABAMA DEPARTMENT OF TRANSPORTATION</p>  <p>SPECIAL & STANDARD HIGHWAY DRAWINGS (U.S. CUSTOMARY UNITS OF MEASUREMENT)</p> <p>2011 <i>(Effective with the January, 2011 printing.)</i></p>	NOT TO SCALE
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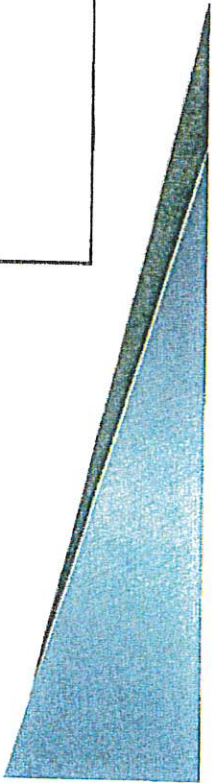
Inspections – SOPs

ALABAMA
DEPARTMENT OF TRANSPORTATION



STANDARD SPECIFICATIONS
FOR HIGHWAY CONSTRUCTION

2012 EDITION

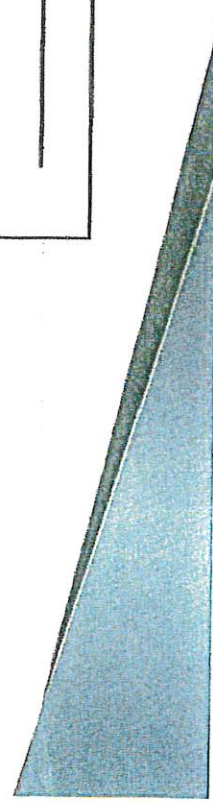


Inspections - SOPs


**Field Guide
For
Erosion and Sediment Control
On Construction Sites
in
Alabama**

**Alabama Soil and Water
Conservation Committee
and
Partners**


First Edition, August 2004



Inspections - SOPs



Turbidimeters OPTICAL



T-100 Turbidity Meter
Completely waterproof—even the sample chamber

Waterproof and rugged!

- IP68-rated water-tight housing
- 100% stainless steel construction
- 100% stainless steel sample chamber
- 100% stainless steel mounting bracket

Achieving 100% accuracy!

- 100% stainless steel sample chamber
- 100% stainless steel mounting bracket
- 100% stainless steel sample chamber
- 100% stainless steel mounting bracket

Simple, step-by-step operation!

- Pressing the "Cal" button calibrates the meter
- Pressing the "On" button starts the measurement
- Pressing the "Off" button stops the measurement
- Pressing the "Hold" button holds the reading

Large, ruggedized display!

- 1.5" x 0.8" LCD display
- 16 characters x 2 lines
- 16 characters x 2 lines
- 16 characters x 2 lines

Advanced power supply!

- Measures over 1000 samples
- 100% stainless steel construction
- 100% stainless steel construction
- 100% stainless steel construction

Sturdy carrying case with accessories!

- 100% stainless steel construction
- 100% stainless steel construction
- 100% stainless steel construction
- 100% stainless steel construction

Applications:

- 100% stainless steel construction
- 100% stainless steel construction
- 100% stainless steel construction
- 100% stainless steel construction

Left-hand keypad!

- 100% stainless steel construction
- 100% stainless steel construction
- 100% stainless steel construction
- 100% stainless steel construction

Left-hand display!

- 100% stainless steel construction
- 100% stainless steel construction
- 100% stainless steel construction
- 100% stainless steel construction

Right-hand keypad!

- 100% stainless steel construction
- 100% stainless steel construction
- 100% stainless steel construction
- 100% stainless steel construction

Right-hand display!

- 100% stainless steel construction
- 100% stainless steel construction
- 100% stainless steel construction
- 100% stainless steel construction

Digital keypad!

- 100% stainless steel construction
- 100% stainless steel construction
- 100% stainless steel construction
- 100% stainless steel construction

Specifications

Model	T-100
Measurement Method	Optical
Range	0 to 1000 NTU
Resolution	0.1 NTU
Accuracy	±1%
Repeatability	±0.5%
Response Time	10 seconds
Power Source	Battery
Operating Temperature	0 to 50°C
Storage Temperature	-20 to 60°C
Humidity	0 to 100%
Dimensions	100 x 100 x 100 mm
Weight	100 g

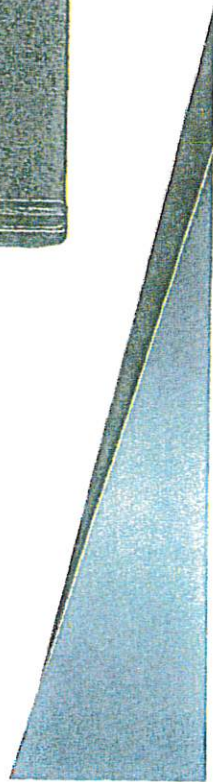
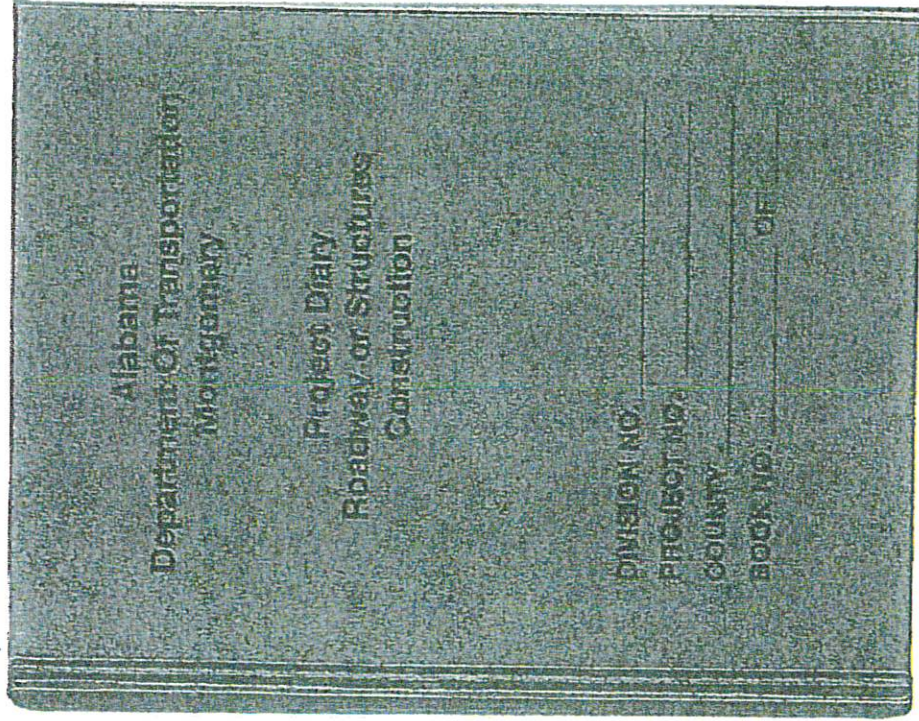
Ordering Information

Quantity	1
Part Number	T-100
Manufacturer	OAKLON
Country of Origin	USA
CE Marking	CE

Get the standard again and again!

01

Inspections - Checklists



Inspections - Checklists

ADEM NPDES CONSTRUCTION STORMWATER NONCOMPLIANCE NOTIFICATION REPORT

RESPOND WITH "N/A" AS APPROPRIATE. FORMS WITH INCOMPLETE OR INCORRECT ANSWERS, OR MISSING SIGNATURES WILL BE RETURNED AND MAY RESULT IN APPROPRIATE COMPLIANCE ACTION BY THE DEPARTMENT IF SPACE IS INSUFFICIENT. CONTINUE ON AN ATTACHED SHEET(S) AS NECESSARY. PLEASE TYPE OR PRINT IN INK.

Complete this form, attach additional information as necessary, and send report to ADEM.

Item I.

Permitter Name Bellevue County Construction		Facility/Site Name	
NPDES ALR#10	County Bellevue	Facility Contact and Title Frank Lundy, Maintenance Engineer	
Facility Street Address or Location Description		City	State
Phone Number 251-937-0371	Fax Number 251-937-0201	E-Mail Address flundy@bellevuecounty.gov	
Zip			

Item II

DESCRIPTION OF NONCOMPLIANCE OR NONCOMPLIANT DISCHARGE:

Item III

INSPECTION AND BMP CERTIFICATION REPORT(S), ANY PHOTOGRAPHS, AND ANY SAMPLING RESULTS ARE ATTACHED. IF NOT, PLEASE EXPLAIN:

Item IV

CAUSE OF NONCOMPLIANCE:

Item V

PERIOD OF NONCOMPLIANCE: (include exact date(s) and time(s) or, if not corrected, the anticipated time the noncompliance is expected to continue):

Item VI

DESCRIPTION OF STEPS TAKEN AND/OR BEING TAKEN (PROPOSED COMPLIANCE SCHEDULE) TO REDUCE AND/OR ELIMINATE THE NONCOMPLYING DISCHARGE, REPAIR/REPLACE/UPGRADE BMPs, AND TO PREVENT ITS RECURRENCE:

"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 already responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that this form has not been altered, and if copied or reproduced, is consistent in format and identical in content to the ADEM approved form. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Name & Designation of OCP Frank Lundy, Maintenance Engineer	Signature	Date
Name & Title of Permittee Responsible Official	Signature	Date

Development Inspections - SOPs

BCHD GUIDELINES FOR PERMIT INSPECTIONS

Activity/Sub-Activity Description: Permit Inspection

Activity Code Number: 116

Customers: Citizens, County Commissioners, Contractors, Utility Companies, Maintenance Supervisor

Definition/Scope: A Permit Inspection shall be required for all types of private works improvement and activities on a county right-of-way or that are subject to being handed over to Baldwin County for maintenance. A Permit Inspection will be enforced by a project inspector. A permitted project may consist of but not limited to subdivisions; turnouts; water lines; sewer lines, etc.

Administered by: Engineering Tech (ET) of the Permit Section

Quality Control Measures: The following resources are utilized by the project inspector during inspections:

- Construction Plans
- Erosion Control Plans
- Construction Best Management Practices Plans (CBMP)
- ALDOT Spec Book
- ALDOT Standard Drawings
- Erosion Control Hand Book
- Baldwin County Subdivision Regulations
- Baldwin County Utility Manual
- Baldwin County Commercial Turnout Permit Application Requirements
- ALDOT QCI Reference Manual

Procedures to Accomplish Permit Inspections:

- 1) Contractor or citizen submits application.
- 2) Application is reviewed and approved for construction.
- 3) ET reviews application and plans to gain knowledge of the project.
- 4) ET schedules preconstruction meeting. During this meeting the ET will discuss the project schedule, meet all parties involved and handout the benchmark inspection requirements. Contact information is typically exchanged at this meeting.
- 5) Contractor begins work. Contractor is responsible for notifying inspector of any construction activities that require inspections.
- 6) ET performs periodic inspections depending on type of project and project site sensitivity. This may range from daily inspections to weekly inspections. Inspector shall keep a diary of inspections and record pictures as necessary. An erosion control inspection form will be filled out at least once a month or after large rain events. If a project fails an inspection the inspector will monitor the status daily until corrective measures have been taken. ET shall notify supervisor if contractor will not comply with requirements.
- 7) Once construction has been completed the ET will perform a final site inspection. An inspection letter will be sent to the applicant notifying them of the status of the project. Inspections shall continue until all deficiencies are addressed.



BALDWIN COUNTY
HIGHWAY DEPARTMENT
P.O. Box 238
SILVERHILL, ALABAMA 36576
TELEPHONE: (205) 937-3071
FAX: (205) 937-3070

614 STREET, N.
GRIFFIN, ALABAMA 36034

Schedule of Benchmark Inspections

1. Pre-construction Conference to be hosted by the Developer/Engineering/Contractor
2. BMP after clearing and grubbing - (24 Hour Notice)
3. BMP monitoring drainage structures - (At Will)
4. Detention/Retention Pond/Outfalls - (At Will)
5. All Roadway Storm Drain Crossings - (24 Hour Notice)
6. All Intellifunction/box - (24 Hour Notice and At Will)
7. Drainage completion before any base is placed - (48 Hour Notice)
8. If any Bridges, and or Box Culverts are to be erected on project, contractor must coordinate with county bridge inspectors and have separate pre-construction conference for bridge construction.
9. Sub-base road processing - (At Will)
10. Initial Base 1" 4" Lift - (Note: Base width to accommodate curb and gutter will extend 1' from back of curb and gutter.) - (Note: Before curbing is installed, to be proof rolled with a minimum 22-YD. Loaded Tri-Axle) - (24 Hour Notice)
11. All Curb and Gutter - (24 Hour Notice and At Will)
12. Final Base 2" 4" Lift - (Note: To be proof rolled with a minimum 22-YD. Loaded Tri-Axle) - (24 Hour Notice)
13. If crushed aggregate or rock base is used, further inspection may be required
14. Asphalt Binder Layer - (24 Hour Notice) - (Cores to be tested)
15. Asphalt Wearing Layer - (24 Hour Notice) - (Cores to be tested)
16. All miscellaneous concrete work - (Inlet Tops, Headwalls, Sidewalks, Outfalls, etc.) - (24 Hour Notice)
17. Final Inspection of Roads and Right Of Ways (Note: All Development Standards Required by the BCC Subdivision Regulations) - (48 Hour Notice)

Revision Date: 02/2010

Permitting - Land Use



BALDWIN COUNTY COMMISSION PLANNING AND ZONING DEPARTMENT

Main Office (Building)
PO Box 220
Siverton, AL 36776
Phone: (251) 580-1655
Fax: (251) 580-1656

Main Office (Physician)
22070 Highway 59
Robertsdale, AL 36587
Phone: (251) 580-1655
Fax: (251) 580-1656

Foley Office
201 East Scotland Street
Foley, AL 36533
Phone: (251) 972-8323
Fax: (251) 972-8320

New Single Family Dwelling Land Use Certificate Application Submittal Checklist

- ___ Baldwin County Land Use Certificate Application
- ___ Application Fee (see current fee schedule)
- ___ Agent Authorization Form (if person other than property owner is applying)
- ___ Access (Culvert) Permit from the Baldwin County Highway Department or the Alabama Department of Transportation, whichever is applicable.
- ___ Sewer or Septic Tanks - For Sewer Service a release from the Sewer Utility Provider is required; for Septic Tanks a release from Baldwin County Health Department is required.
- ___ Water - A release from the Water Utility Provider is required; if a well is proposed, nothing is required.
- ___ Plot Plan or Survey - indicating any existing structures (with dimensions), the proposed structure (with dimensions), and the setbacks from property lines.
- ___ Three (3) Complete Sets of Construction Plans
- ___ Erosion Control Plan
- ___ Any other information deemed necessary to complete review



BALDWIN COUNTY COMMISSION PLANNING AND ZONING DEPARTMENT

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PO Box 220
Siverton, AL 36776
Phone: (251) 580-1655
Fax: (251) 580-1656

Main Office (Physician)
22070 Highway 59
Robertsdale, AL 36587
Phone: (251) 580-1655
Fax: (251) 580-1656

Foley Office
201 East Scotland Street
Foley, AL 36533
Phone: (251) 972-8323
Fax: (251) 972-8320

Repairs/Alterations of Single Family Dwelling Land Use Certificate Application Submittal Checklist

- ___ Baldwin County Land Use Certificate Application
- ___ Application Fee (see current fee schedule)
- ___ Agent Authorization Form (if person other than property owner is applying)
- ___ Plot Plan or Survey - indicating any existing structures (with dimensions) and the setbacks from property lines.
- ___ Itemized list of repairs and estimated cost.
- ___ Erosion Control Plan (if applicable)
- ___ Sewer or Septic Tanks - For Sewer Service a release from the Sewer Utility Provider (if applicable); for Septic Tanks a release from Baldwin County Health Department is required (if applicable).
- ___ Water - A release from the Water Utility Provider is required; if a well is proposed, nothing is required (if applicable).
- ___ If new access to the dwelling is proposed, an Access (Culvert) Permit is required from the Baldwin County Highway Department or the Alabama Department of Transportation, whichever is applicable
- ___ Any other information deemed necessary to complete review

Permitting - Land Use



BALDWIN COUNTY COMMISSION
PLANNING AND ZONING DEPARTMENT

Main Office (Mobile)
 PO Box 220
 Silverhill, AL 36576
 Phone: (251) 580-1655
 Fax: (251) 580-1656

Main Office (Mobile)
 22070 Highway 59
 Silverhill, AL 36577
 Phone: (251) 580-1655
 Fax: (251) 580-1656

Foley Office
 201 East Section Street
 Foley, AL 36535
 Phone: (251) 972-8523
 Fax: (251) 972-8520

Accessory Structure Land Use Certificate
Application Submittal Checklist

- ___ Baldwin County Land Use Certificate Application
- ___ Application Fee (see current fee schedule)
- ___ Agent Authorization Form (if person other than property owner is applying)
- ___ Plot Plan or Survey - indicating any existing structures (with dimensions), the proposed structure (with dimensions) and the setbacks from property lines.
- ___ Three (3) Complete Sets of Construction Plans
- ___ Erosion Control Plan (if applicable)
- ___ Access (Culvert) Permit is only required if no other structure is located on the property or if new access is proposed.
- ___ Any other information deemed necessary to complete review.



BALDWIN COUNTY COMMISSION
PLANNING AND ZONING DEPARTMENT

Main Office (Mobile)
 PO Box 220
 Silverhill, AL 36576
 Phone: (251) 580-1655
 Fax: (251) 580-1656

Main Office (Mobile)
 22070 Highway 59
 Silverhill, AL 36577
 Phone: (251) 580-1655
 Fax: (251) 580-1656

Foley Office
 201 East Section Street
 Foley, AL 36535
 Phone: (251) 972-8523
 Fax: (251) 972-8520

Accessory Dwelling Land Use Certificate
Application Submittal Checklist

- ___ Baldwin County Land Use Certificate Application
- ___ Application Fee (see current fee schedule)
- ___ Agent Authorization Form (if person other than property owner is applying)
- ___ Plot Plan or Survey - indicating any existing structures (with dimensions), the proposed structure (with dimensions) and the setbacks from property lines.
- ___ Three (3) Complete Sets of Construction Plans
- ___ Erosion Control Plan
- ___ Sewer or Septic Tanks - For Sewer Service - a release from the Sewer Utility Provider is required; for Septic Tanks a release from Baldwin County Health Department is required.
- ___ Water - A release from the Water Utility Provider is required; if a well is proposed, nothing is required.
- ___ If new access to an Accessory Dwelling is proposed, an Access (Culvert) Permit is required.
- ___ Any other information deemed necessary to complete review.

Permitting - Land Use



BALDWIN COUNTY COMMISSION PLANNING AND ZONING DEPARTMENT

Bay Minors Office
PO Box 220
Silverhill, AL 36576
Phone: (251) 580-1655
Fax: (251) 580-1656

Mobile Office (Provisional)
21070 Highway 99
Robertsdale, AL 36567
Phone: (251) 580-1655
Fax: (251) 580-1656

Foley Office
201 East Section Street
Foley, AL 36535
Phone: (251) 972-8573
Fax: (251) 972-8930

Mobile Home Land Use Certificate Application Submittal Checklist

- ___ Baldwin County Land Use Certificate Application
- ___ Application Fee (*see current fee schedule*)
- ___ Agent Authorization Form (*if person other than property owner is applying*)
- ___ Plot Plan or Survey - indicating any existing structures (*with dimensions*), the proposed structure (*with dimensions*), and the setbacks from property lines.
- ___ Erosion Control Plan (*if applicable*)
- ___ Sewer or Septic Tanks - For Sewer Service a release from the Sewer Utility Provider is required, for Septic Tanks a release from Baldwin County Health Department is required.
- ___ Water - A release from the Water Utility Provider is required, if a well is proposed, nothing is required.
- ___ Access (Curfew) Permit from the Baldwin County Highway Department or the Alabama Department of Transportation, whichever is applicable.
- ___ Any other information deemed necessary to complete review.

Permitting - Land Use



BALDWIN COUNTY COMMISSION PLANNING AND ZONING DEPARTMENT

Main Office (Mobile)
PO Box 210
Silverhill, AL 36576
Phone: (251) 380-1655
Fax: (251) 380-1656

Field Office
201 East Section Street
Foley, AL 36535
Phone: (251) 972-8523
Fax: (251) 972-8520

Major Project Land Use Certificate Application Submittal Requirements

Major Project Defined. Any multifamily residential use, manufactured housing park, institutional use, professional services and office use, local commercial use, general commercial use, outdoor recreation use, aquatic recreation use, transportation, communication and utility use, light industrial use, or general industrial use.

1. Land Use Certificate Application. Submit completed land use certificate application form and accompanying plans and specifications to the Baldwin County Planning & Zoning Department.

2. Site Plan. Submit three (3) sets of plans and specifications that describe accurately the proposed development of the site including:

- the actual shape, dimensions and size of the property;
- the site, shape, height and location of building(s) to be erected;
- the area of the proposed building(s);
- the minimum required and proposed front, rear and side yards;
- the lot coverage;
- the number, location, size and angle of parking spaces;
- the site access drives and dimensions;
- the paving material for the parking lot and access drives

3. Utility Plan. Submit plans and specifications for the proposed water supply, sewage disposal, refuse facilities, fire protection, electricity, street lighting, telephones and gas.

4. Stormwater Management Plan. Submit plans and specifications that describe the measures planned to manage stormwater runoff including:

- the existing and proposed topography at two (2) foot intervals;
- the existing and proposed drainage systems;
- the drainage calculations and assumptions;

- structure location, type, size, slope, etc, inlet elevation, outlet elevation, velocity, headwater elevation, and tailwater elevation;
- discharge quantities, pre and post etc.

5. Erosion Control Plan. Submit plans and specifications that describe the measures/forest management practices which are planned to control site erosion during and after construction.

6. Landscaping Plan. Submit plans and specifications that show what existing trees, shrubbery, and other vegetation will be retained on the site, and what trees, shrubbery, and other vegetation will be added to complete the required landscaping/landscaping of the property.

7. Permits.

- submit evidence of compliance with all state and federal environmental laws as applicable including: NEPDES permitting requirements; Coastal Area Management Program permitting requirements; U.S. Fish & Wildlife permitting requirements;
- submit copy of Section 401 and 404 Clean Water Act permitting requirements; or Baldwin County Highway Department as applicable;
- submit sewer release from septic tank or Health Department septic tank permit as applicable;
- submit water release from water utility;
- submit copy of Architectural & Preservation District Review Board permit as applicable.



Appendix E

2.7 Pollution Prevention / Good Housekeeping

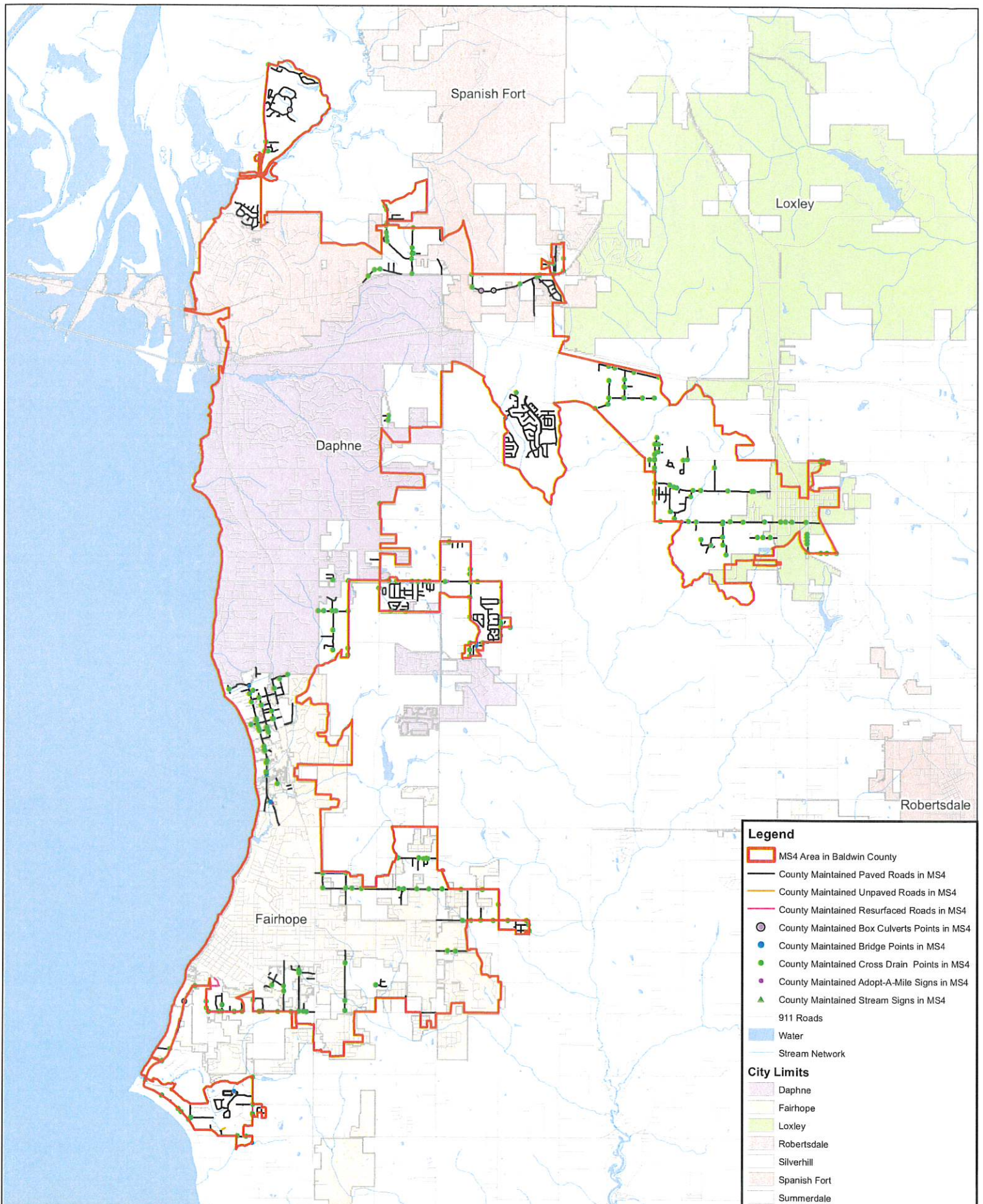


Appendix E-1

2.7.3.1 Pollution Prevention / Good Housekeeping - Data Management

List of Environment Meeting Attendance Clean Water Alabama, etc.
OCT 30, 2021 - Elberta Sausage Fest wastershed Representative
APRIL, MAY, JUNE, SEPTEMBER, OCTOBER, DECEMBER 2021 Wolf Bay Watershed Board Meetir
MARCH 2022 Wolf Bay Watershed Board Meeting
Adopt-a-mile added in last year
CR 49 - Timber Ridge Drive South 1 mile (Approximately 500 ft in MS4 area) - Loxley
CR 13 - Corte Rd to 1 mile south - Daphne
CR1 - 13696 Scenic 98 to CR 1 - Fairhope
CR 26 - CR 65 to South Hickory Street - Foley
CR 95 - Josephine Drive to EOM - Elberta/Lillian/Perdido Bay
Comstock Rd - CR 95 to East (1.4 miles) Elberta/Lillian
Review-Track Number of Subdivision and Commercial CBMPP Erosion & Sediment Control Plan review
None in MS4 area
Permitting-Track Number of sub-divisions permits in the MS4 Area
None in MS4 area
Inspections-Track Number Subdivision inspections in the MS4 Area
None in MS4
Enforcement-Track number of stop-work orders issued in MS4 Area
None in MS4
New Roads-Plan Review in MS4 Area
None in MS4
QCI - recertifications
Todd Reid T6010
Michael Campbell T3560
Alfreda Jeffords T6211
John Lundy T0924
Pete Peterson T0797
Michael Sharp 29814
Matthew Ulrich T5358

1.a	List of Environment Meeting Attendance Clean Water Alabama, etc. OCT 30, 2021 - Elberta Sausage Fest wastershed Representative APRIL, MAY, JUNE, SEPTEMBER, OCTOBER, DECEMBER 2021 Wolf Bay Watershed Board Meetings MARCH 2022 Wolf Bay Watershed Board Meeting
1.c	Adopt-a-mile added in last year CR 49 - Timber Ridge Drive South 1 mile (Approximately 500 ft in MS4 area) - Loxley CR 13 - Corte Rd to 1 mile south - Daphne CR1 - 13696 Scenic 98 to CR 1 - Fairhope CR 26 - CR 65 to South Hickory Street - Foley CR 95 - Josephine Drive to EOM - Elberta/Lillian/Perdido Bay Comstock Rd - CR 95 to East (1.4 miles) Elberta/Lillian
2.a	Review-Track Number of Subdivision and Commercial CBMPP Erosion & Sediment Control Plan review in the MS4 Area None in MS4 area
2.b	Permitting-Track Number of sub-divisions permits in the MS4 Area None in MS4 area
2.c	Inspections-Track Number Subdivision inspections in the MS4 Area None in MS4
2.d	Enforcement-Track number of stop-work orders issued in MS4 Area None in MS4
4.a	New Roads-Plan Review in MS4 Area None in MS4
5.d	QCI - recertifications Todd Reid T6010 Michael Campbell T3560 Alfreda Jeffords T6211 John Lundy T0924 Pete Peterson T0797 Michael Sharp 29814 Matthew Ulrich T5358



Legend

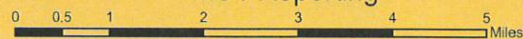
- MS4 Area in Baldwin County
- County Maintained Paved Roads in MS4
- County Maintained Unpaved Roads in MS4
- County Maintained Resurfaced Roads in MS4
- County Maintained Box Culverts Points in MS4
- County Maintained Bridge Points in MS4
- County Maintained Cross Drain Points in MS4
- County Maintained Adopt-A-Mile Signs in MS4
- County Maintained Stream Signs in MS4
- 911 Roads
- Water
- Stream Network

City Limits

- Daphne
- Fairhope
- Loxley
- Robertsdale
- Silverhill
- Spanish Fort
- Summerdale

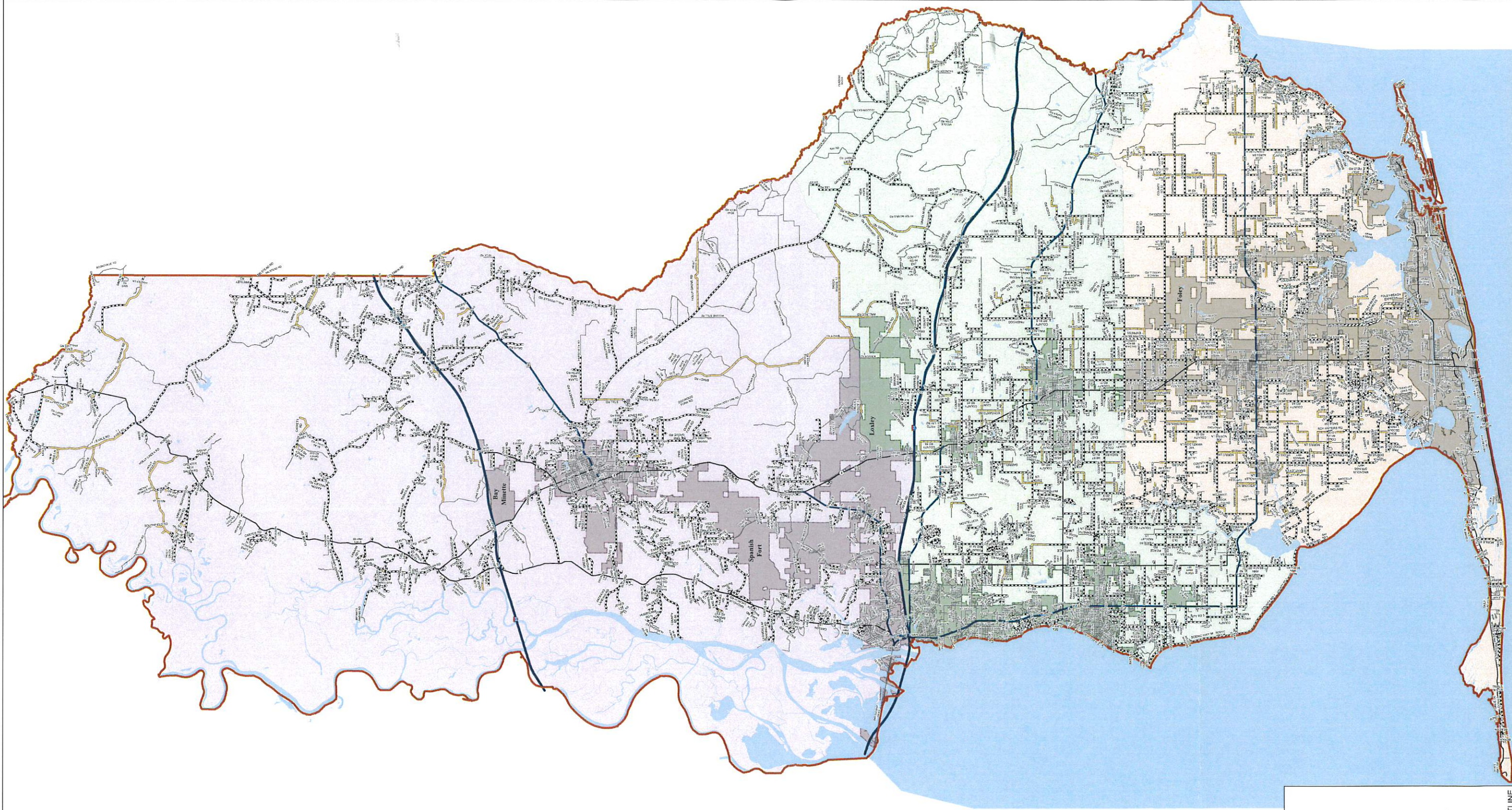


Baldwin County Highway Department
MS4 Reporting



Date: 5/12/2021
Time: 3:35:42 PM
M00457



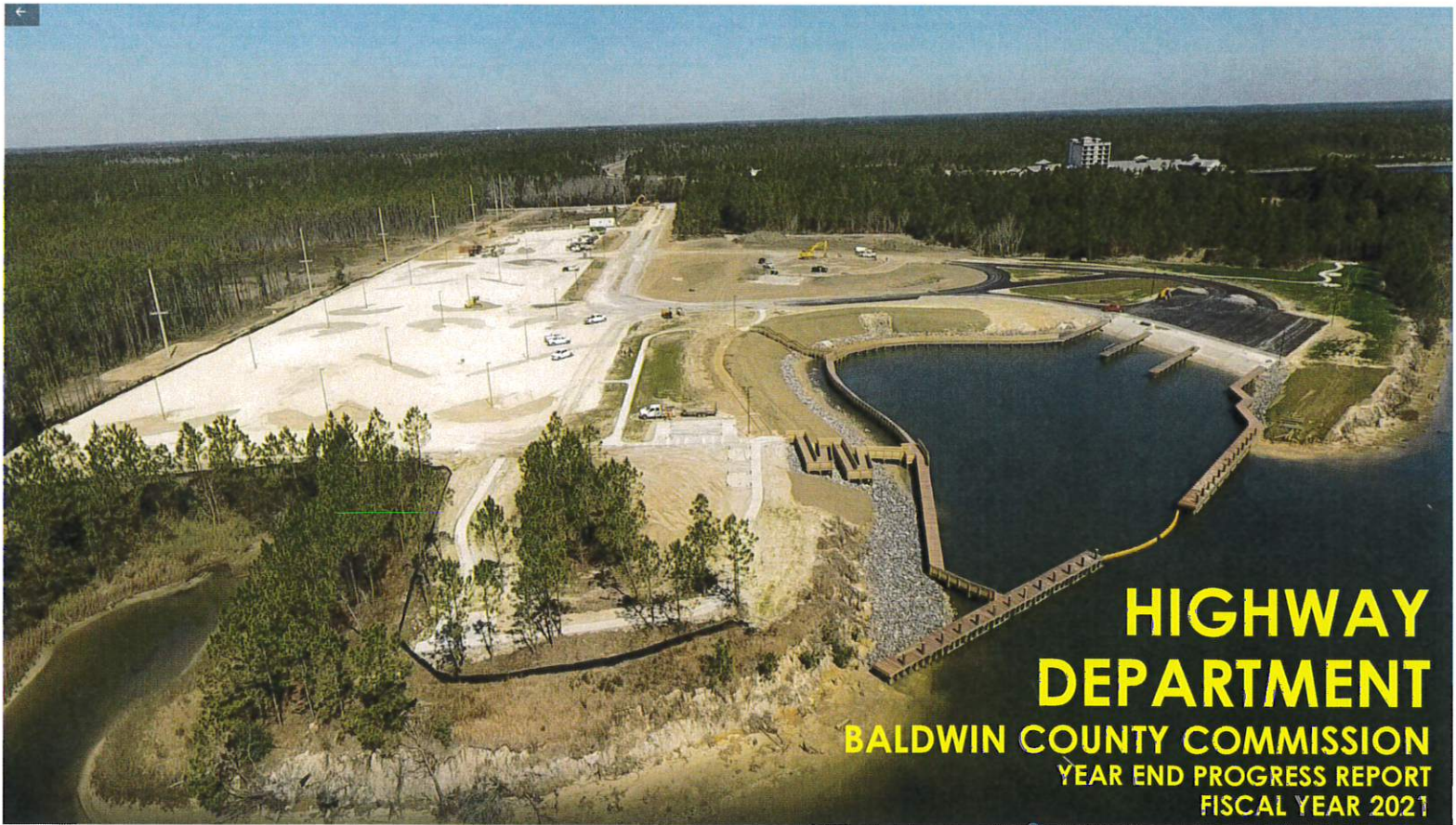


Baldwin County Highway Department



- Legend**
- BARNs**
- AREA 100
 - AREA 200
 - AREA 300
- AREA**
- INTERSTATE
 - US HWYS
 - STATE HWYS
 - ASPHALT
 - GRAVEL/DIRT
 - 911 ROADS
- WATER**
- CITY LIMITS
 - BALDWIN OUTLINE





**HIGHWAY
DEPARTMENT
BALDWIN COUNTY COMMISSION
YEAR END PROGRESS REPORT
FISCAL YEAR 2021**

HIGHWAY DEPARTMENT

Major Goals

- To plan, construct, and maintain roads, bridges, and parks
- To facilitate the safe, efficient travel of Baldwin County residents and visitors
- To continuously improve operational efficiency and accountability



OVERVIEW

Fiscal Year 2005

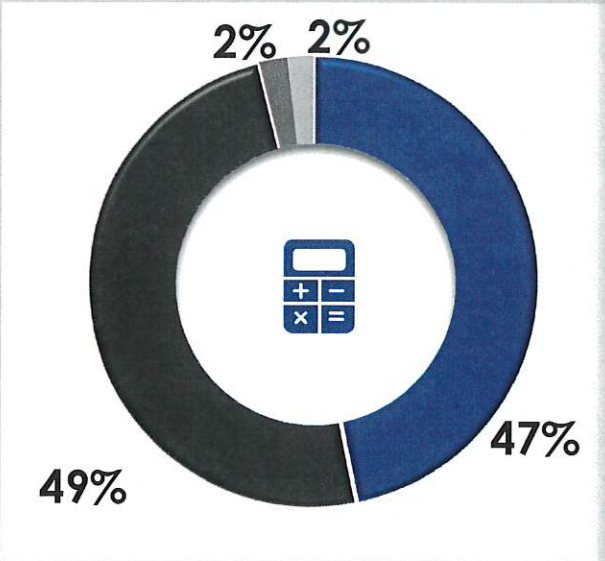
- 162,564 population
- 1,429 miles of road
- 136 bridges
 - 379,000 sq. ft. of bridge surface





Fiscal Year 2021

- 223,234 population (2019)
- 1,580 miles of road
- 162 bridges (1 closed)
 - 839,609 sq. ft. of bridge surface



FY 2021 BUDGETED REVENUE

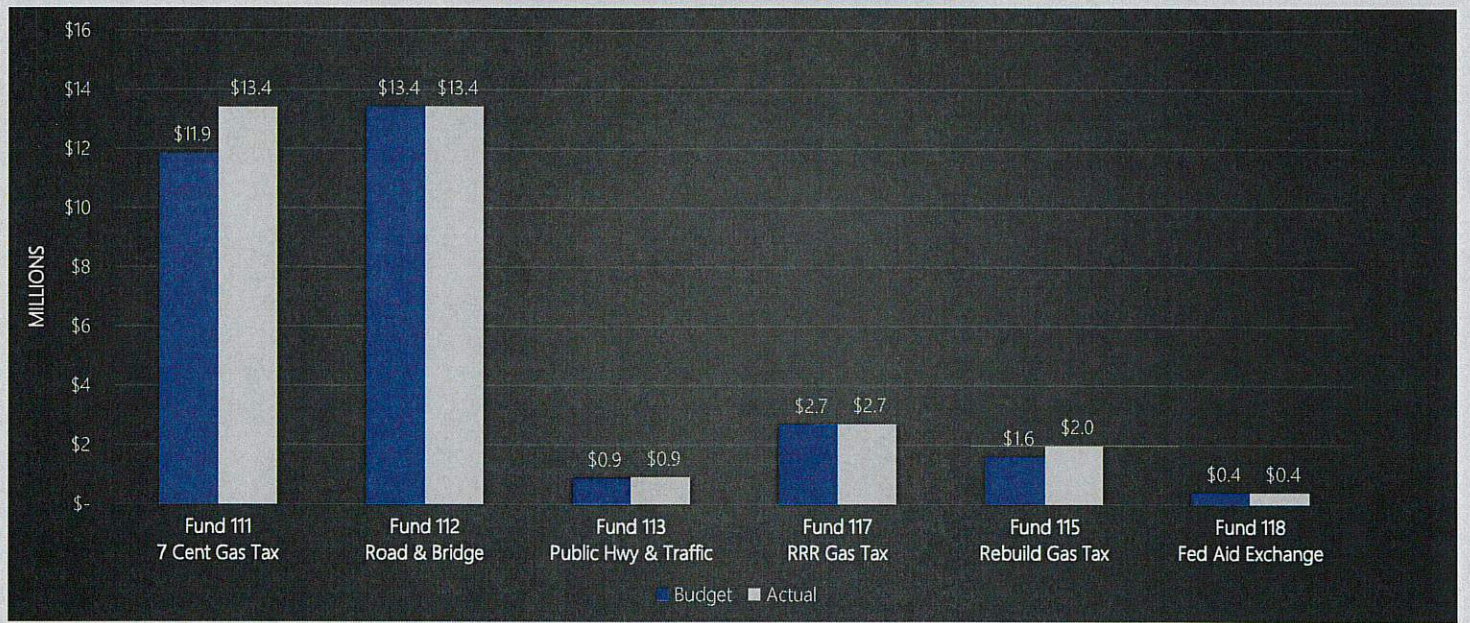


- Gas Tax 
- Intergovernmental 
- Fund Balance 
- Other Revenue 



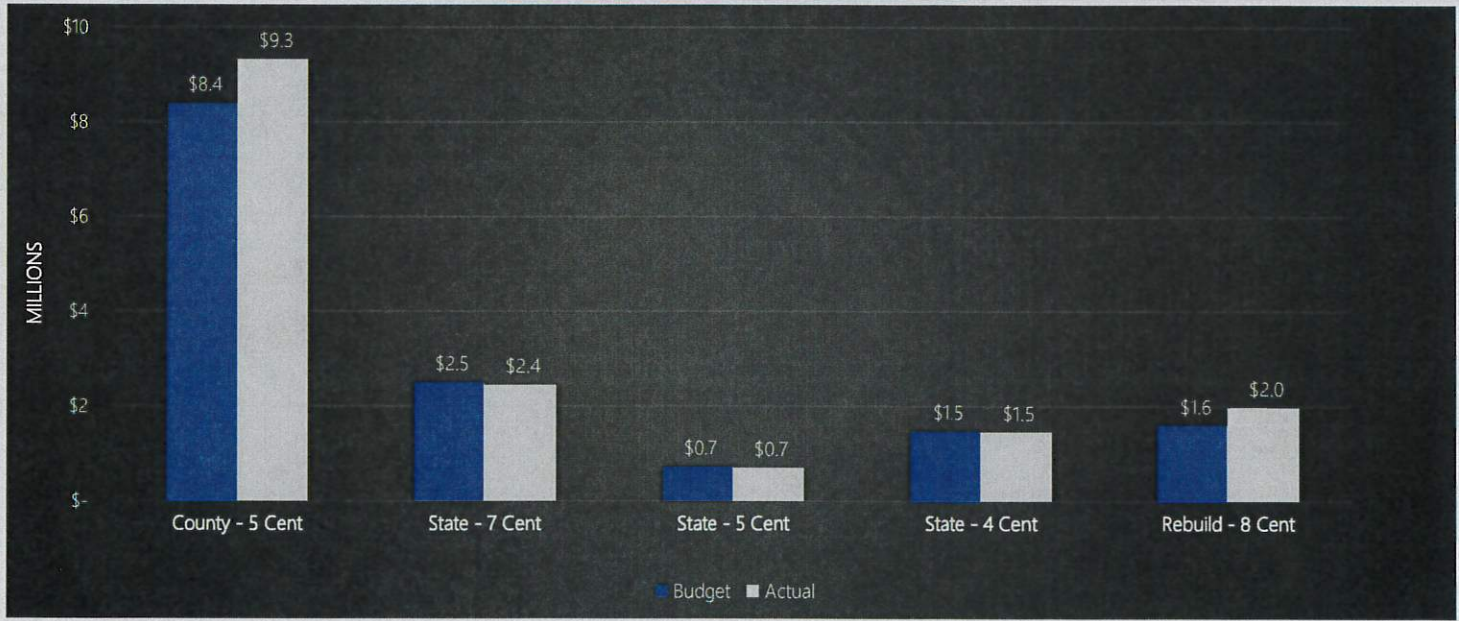
FY21 HIGHWAY REVENUES

Budgeted vs Actual



FY21 GAS TAX REVENUES

Budgeted vs Actual



Federal and State Grants

Resources and Ecosystems Sustainability, Tourist Opportunities, and Revived Economies of the Gulf Coast States Act of 2012

Federal Aid
Federal Aid Exchange Fund

Transportation Alternatives Program

Accelerated Innovative Deployment

Alabama Transportation Rehabilitation Improvement Program

Gulf Of Mexico Security Act of 2006

Highway Safety Improvement Program

American Rescue Plan Act

Metropolitan Planning Organization

County Rebuild Alabama Funds

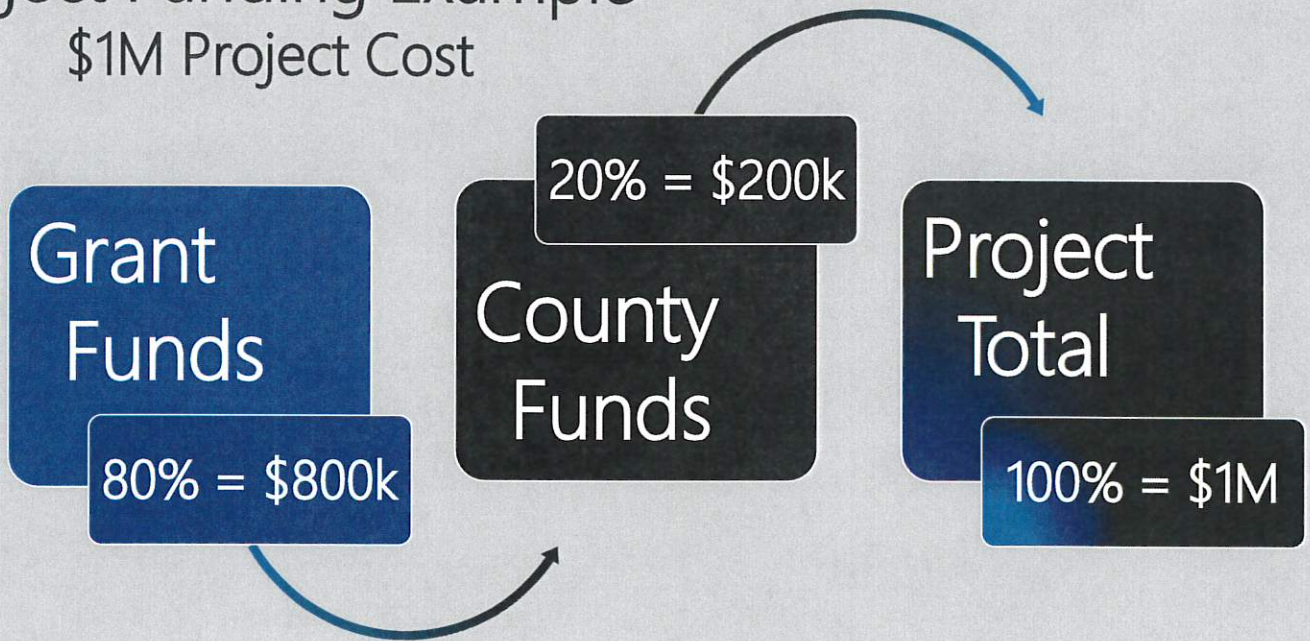
Emergency Repair

Federal Emergency Management Agency

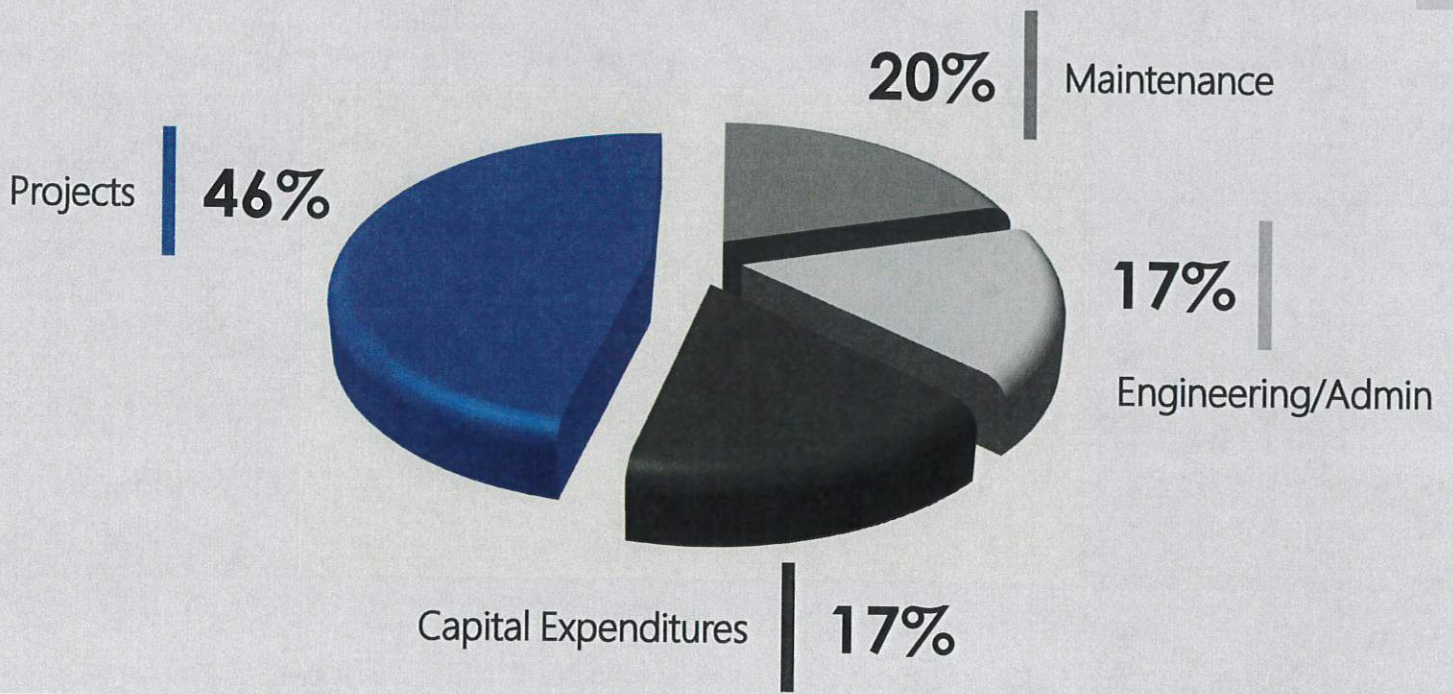


Project Funding Example

\$1M Project Cost

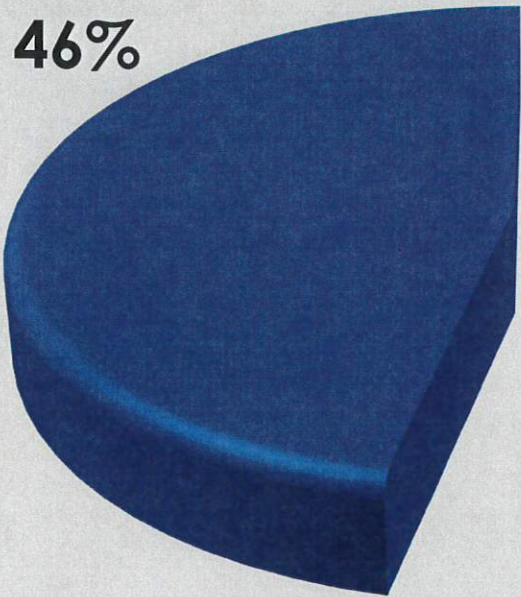


FY 2021 BUDGETED ANNUAL EXPENDITURES



PROJECTS

46%



- Resurfacing Projects
- Dirt Road Paving Projects
- Bridge Projects
- New Road Construction
- Safety Improvements
- Capacity Improvements
- Drainage Improvements
- Park Improvements



RESURFACING PROJECTS

AS OF SEPTEMBER 30, 2021

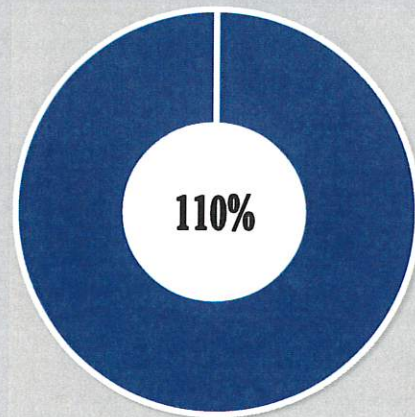
Goals

❖ Resurface 63.24 miles

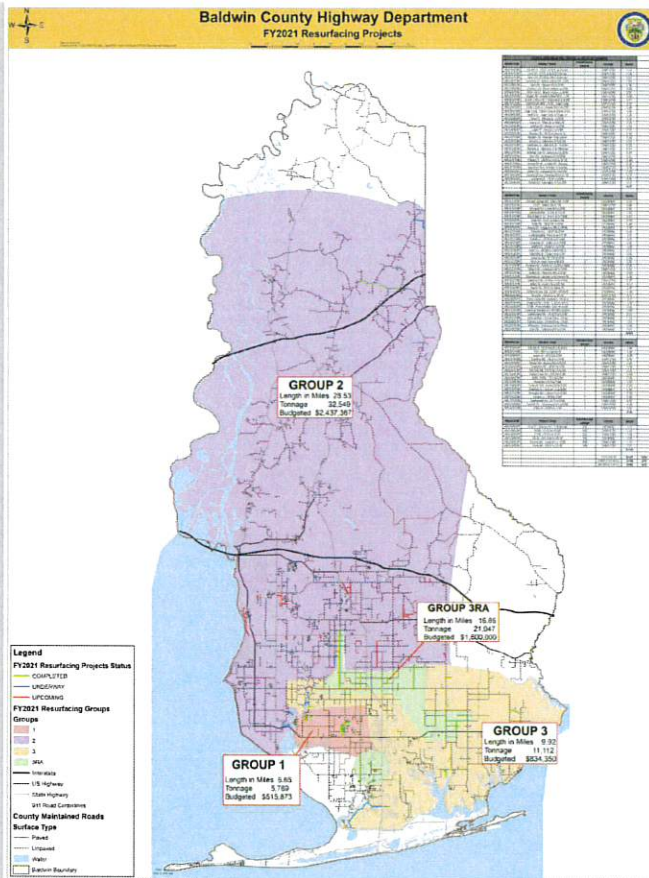
❖ 69.88 miles complete

❖ 21.89 miles in-progress

% of Goals Met



BUDGETED RESURFACING PROJECTS



RESURFACING PROJECTS COMPLETED

HW21077000 – Pointer Drive (Group 1)

Pointer Dr from CR 55 to Pointer Dr W

Start Date

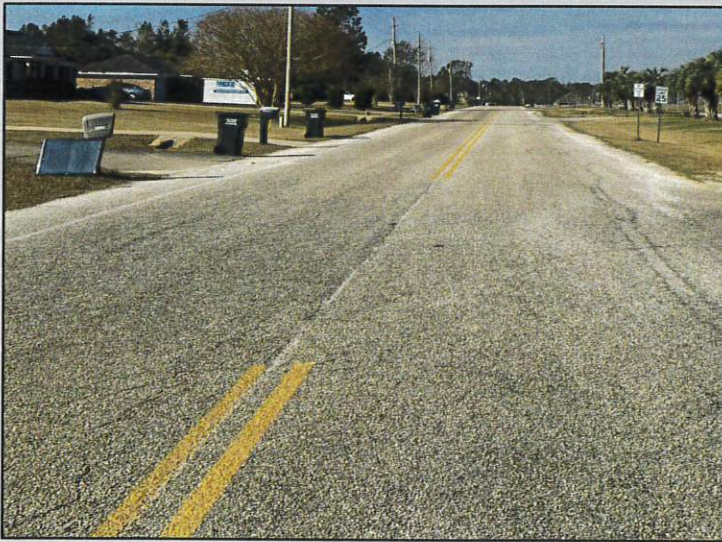
02/15/21

Complete Date

10/01/21

Area

300



RESURFACING PROJECTS COMPLETED

HW21007000 – Vasko Road (Group 2)	Start Date	Complete Date	Area
Vasko Rd from Rada Rd to End of Maintenance	07/15/21	10/01/21	200



RESURFACING PROJECTS COMPLETED

HW21052000 – Juniper Lane (Group 3)

Juniper Ln from CR 9 to End of Maintenance

Start Date

05/18/21

Complete Date

10/01/21

Area

300



RESURFACING PROJECTS COMPLETED

HW21090000 – Frank Rd (Group 3RA)

Start Date

Complete Date

Area

Frank Road from CR 87 to CR 95

06/08/20

10/01/21

300



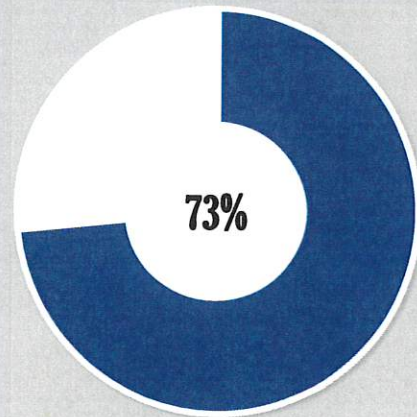
DIRT ROAD PAVING PROJECTS

AS OF SEPTEMBER 30, 2021

Goals

- ❖ Pave 6.99 miles
 - ❖ 5.13 miles complete
 - ❖ 1.68 miles in-progress

% of Goals Met



Total Budget: \$1,621,344



DIRT ROAD PAVING PROJECTS COMPLETE

HW19226000 – Higbee Rd	Start Date	Complete Date	Area
Higbee Rd from End of Pavement to St Hwy 181	05/06/20	04/08/21	200



DIRT ROAD PAVING PROJECTS COMPLETE

HW19127000 – South Blvd

Start Date

Complete Date

Area

South Blvd from West Blvd to CR 55

08/31/20

08/23/21

200



Dirt Road Paving - Scheduled to be Completed After 10/01/21

PROJECT #	NAME	FROM	TO	LENGTH	09/30/21 Status
HW11045000	Bender Road	US Hwy 98 north	End of Maintenance	0.44	Started
HW16044000	Brantley Lane	County Road 26	End of Maintenance	0.74	Started
HW21132000	Fountain Street	Hughen Street	Donnie Waters Lane	0.50	Started
HW19120000	Lipscomb Road	US Hwy 98	Beginning of Pavement	0.88	Not Started
HW20040000	Bender Road	Springsteen Road	End of Maintenance	0.50	Not Started
HW21135000	Sandy Creek Drive	US Hwy 98	End of Maintenance	0.48	Not Started
HW21138000	Specs Lane	County Road 24	End of Maintenance	0.58	Not Started
HW21139000	Pine Grove Road Ext S	Perkins Place	Pine Grove Road Ext N	0.35	Not Started
Total				4.47	



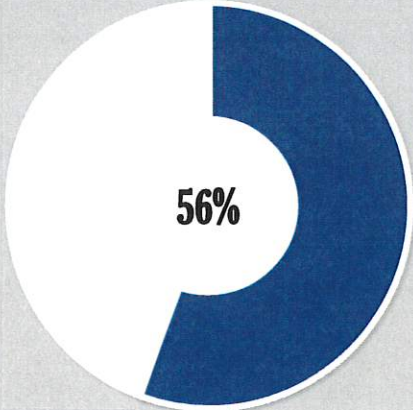
BRIDGE PROJECTS

AS OF SEPTEMBER 30, 2021

Goals

% of Goals Met

- ❖ Complete construction on 5 bridges
 - ❖ *5 bridges complete*
- ❖ Begin construction on 4 bridges
 - ❖ *4 bridges not started*



BRIDGE PROJECTS COMPLETED

HW18054000 – Fred Dugger Road Bridge
Fred Dugger Rd Bridge at Unnamed Tributary

Start Date
01/16/20

Complete Date
05/31/2021

Area
300



BRIDGE PROJECTS COMPLETED

HW19087000 – Linholm Road Bridge	Start Date	Complete Date	Area
Linholm Road Bridge over 8 Mile Creek	07/20/20	03/29/21	200



BRIDGE PROJECTS COMPLETED

HW17181000 – Hoyle Bryars Road Bridge
Hoyle Bryars Road Bridge over Bushy Creek East

Start Date
06/08/20

Complete Date
04/30/21

Area
100



BRIDGE PROJECTS COMPLETE

HW19062000 – County Road 65 Bridge
County Road 65 Bridge over Turkey Branch

Target Start Date
01/01/21

Complete Date
10/01/21

Area
300



BRIDGE PROJECTS COMPLETE

HW19063000 – Doc McDuffie Road Bridge

Doc McDuffie Road Bridge over Wolf Creek

Target Start Date

01/01/21

Complete Date

10/01/21

Area

300



BRIDGE PROJECTS IN DESIGN PHASE

HW21091000 – River Road N Bridge	Start Date	Complete Date	Area
River Road N over Keller Creek	In Design		



BRIDGE PROJECTS IN DESIGN PHASE

HW21092000 – Davis Rd over Baker Branch

HW21094000 – CR 34 over W Trib to Baker Br

HW21093000 – CR 34 over E Trib to Baker Br

HW21125000 – Paul Cleverdon Rd over E Trib to Baker Br



BRIDGE PROJECTS IN DESIGN PHASE

HW21095000 – Pine Grove Rd Ext Bridge	Start Date	Complete Date	Area
Pine Grove Rd Ext over Styx River	In Design		100



NEW ROAD CONSTRUCTION PROJECTS

AS OF SEPTEMBER 30, 2021

30

Goals

- ❖ Secure funding and begin ROW acquisitions on Baldwin Beach Express II
 - ❖ *No funding at this time*
- ❖ Began design on Pleasant Road Extension



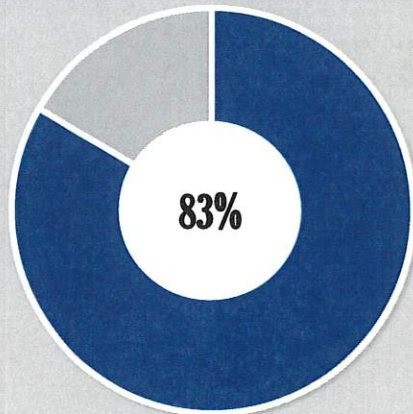
SAFETY IMPROVEMENT PROJECTS

AS OF SEPTEMBER 30, 2021

Goals

% of Goals Met

- ❖ Complete construction on 4 projects
 - ❖ 5 projects complete
 - ❖ 1 project in-progress
 - ❖ 1 project in design
- ❖ Begin construction on 2 projects
 - ❖ 2 projects in design



SAFETY IMPROVEMENT PROJECTS COMPLETE

HW21183000 – Saint Michael Way
Install School Zone Flashing Signs at SM School

Start Date
09/28/21

Complete Date
09/29/21

Area
200



SAFETY IMPROVEMENT PROJECTS COMPLETE

HW21099000 – County Road 32	Start Date	Complete Date	Area
Turn Lane at US Hwy 98	05/18/21	05/19/21	200



SAFETY IMPROVEMENT PROJECTS COMPLETE

HW20059000 – Baldwin Beach Express

Start Date

Complete Date

Area

Turn Lane Addition at Farmers Lane

09/01/20

10/08/20

200



Multi-Agency
Funding

SAFETY IMPROVEMENT PROJECTS IN-PROGRESS

35

HW19138000 – County Road 28

Start Date

Complete Date

Area

Traffic Light Install at SR 59 Intersection

07/13/20

In-Progress

300



Hwy FY21 Year End

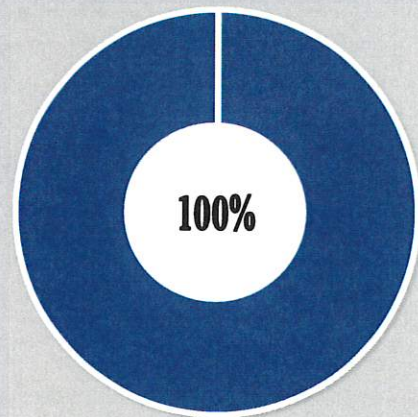
CAPACITY IMPROVEMENT PROJECTS

AS OF SEPTEMBER 30, 2021

Goals

- ❖ Continue design on 1 project
 - ❖ 1 in design phase

% of Goals Met



CAPACITY IMPROVEMENT PROJECTS IN DESIGN PHASE

HW18068000 – County Road 64

Start Date

Complete Date

Area

CR 64 from SR 181 to Montelucia Way

In Design Phase

200



21 Year End

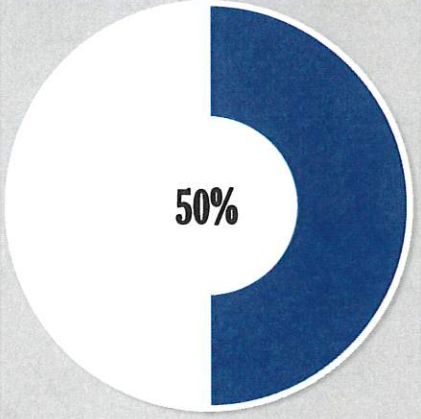
DRAINAGE IMPROVEMENT PROJECTS

AS OF SEPTEMBER 30, 2021

Goals

% of Goals Met

- ❖ Complete construction on 2 projects
 - ❖ 1 site complete
 - ❖ 1 site pending environmental issues



DRAINAGE IMPROVEMENT PROJECTS COMPLETE

HW17167000 – Fernwood Drive W	Start Date	Complete Date	Area
Construct Retention Pond & Drainage	05/14/20	05/18/21	300



DRAINAGE IMPROVEMENT PROJECTS IN-PROGRESS

HW21177000 – Boros Road	Start Date	Complete Date	Area
Construct Regional Storm Water Retention	08/17/21	In-Progress	300



Hwy FY21 Year End

PARK IMPROVEMENT PROJECTS

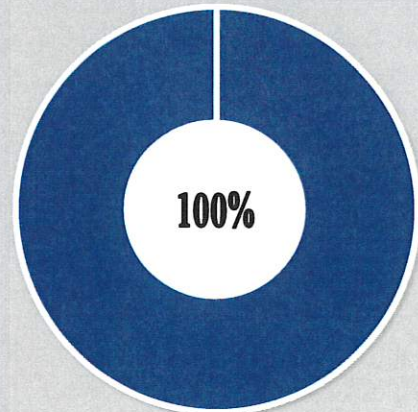
AS OF SEPTEMBER 30, 2021

Goals

❖ Begin construction on 1 project

❖ *1 project in-progress*

% of Goals Met



PARK IMPROVEMENT PROJECTS IN-PROGRESS

HW20031000 – The Launch
Design and Construct

Start Date
06/14/21

Complete Date
In-Progress

Area
300



SPECIAL PROJECTS

AS OF SEPTEMBER 30, 2021

Goals

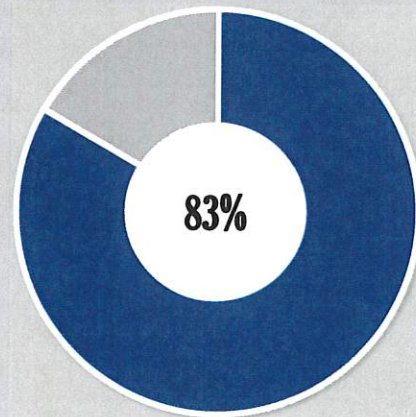
❖ Complete construction on 4 projects

- ❖ *3 projects completed*
- ❖ *1 project in-progress*

❖ Begin construction on 2 projects

- ❖ *2 projects started*

% of Goals Met



SPECIAL PROJECTS COMPLETE

HW19228000 – Countywide

ADA Transition Improvements Phase III

Start Date

05/26/20

Complete Date

01/26/21

County
-Wide



Intersection of
Cadena Creek Ave
and Belize River St



86 Sites in Fairhope/Point Clear Areas

SPECIAL PROJECTS COMPLETE

HW21097000 – Countywide	Start Date	Complete Date	County
ADA Transition Improvements Phase IV	02/25/21	10/01/21	-Wide



Argonne Dr



122 Sites in Central Baldwin Area

SPECIAL PROJECTS COMPLETE

HW21122000 – Hurricane Sally

Sidewalk Repair

Start Date

02/09/21

Complete Date

07/21/21

Area

200



SPECIAL PROJECTS COMPLETE

HW21121000 – Hurricane Sally	Start Date	Complete Date	County
Guardrail Repair	04/26/21	07/21/21	-Wide



SPECIAL PROJECTS IN-PROGRESS

HW20029000 – Area 100 Maintenance Facility	Start Date	Complete Date	Area
Construct New Building	06/09/21	In-Progress	100



SPECIAL PROJECTS IN-PROGRESS

HW20030000 – Area 200 Maintenance Facility

Start Date

Complete Date

Area

Construct New Building

07/09/21

In-Progress

200



SPECIAL PROJECTS IN-PROGRESS

50

HW19223000 – County Road 99

Carrier Drive to Spanish Cove Drive

Start Date

04/05/21

Complete Date

In-Progress

Area

300



Hwy FY21 Year End



DESIGN

AS OF SEPTEMBER 30, 2021

Goals

- ❖ Resurfacing Projects
 - ❖ *Complete design on 4 Groups*
 - ❖ *4 groups complete (89 Roads)*

- ❖ Bridge Projects
 - ❖ *Complete design on 6 projects*
 - ❖ *2 projects complete*
 - ❖ *14 projects in-progress*



DESIGN

AS OF SEPTEMBER 30, 2021

Goals

- ❖ Safety Improvement Projects
 - ❖ *Complete design on 4 projects*
 - ❖ *1 project complete*
 - ❖ *6 projects in-progress*

- ❖ Drainage Improvement Projects
 - ❖ *Complete design on 0 project*
 - ❖ *15 projects in-progress*



DESIGN

AS OF SEPTEMBER 30, 2021

Goals

- ❖ Park Improvement Projects
 - ❖ *Complete design on 1 project*
 - ❖ *1 project complete*
 - ❖ *2 projects in-progress*

- ❖ Special Projects
 - ❖ *Complete design on 4 projects*
 - ❖ *4 projects complete*
 - ❖ *1 project in-progress*

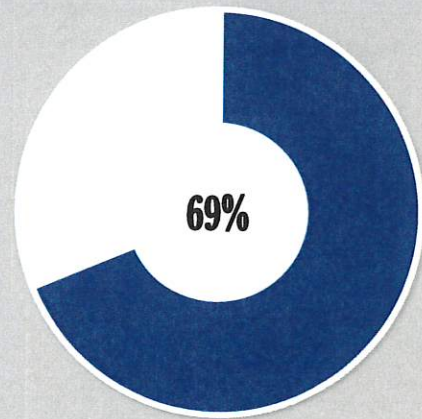
ROW ACQUISITION (FUNDED PROJECTS)

AS OF SEPTEMBER 30, 2021

Goals

- ❖ Acquire 32 ROW tracts
 - ❖ 22 ROW tracts acquired
 - ❖ 21 ROW tracts donated
 - ❖ 10 ROW tracts in-progress

% of Goals Met



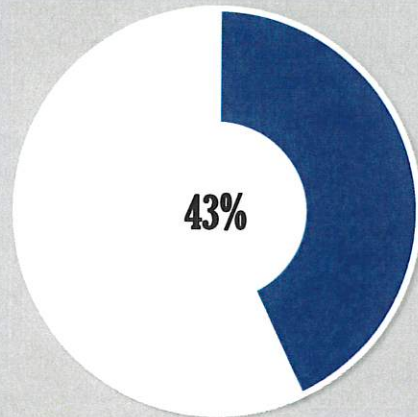
ROW ACQUISITION (NOT FUNDED)

AS OF SEPTEMBER 30, 2021

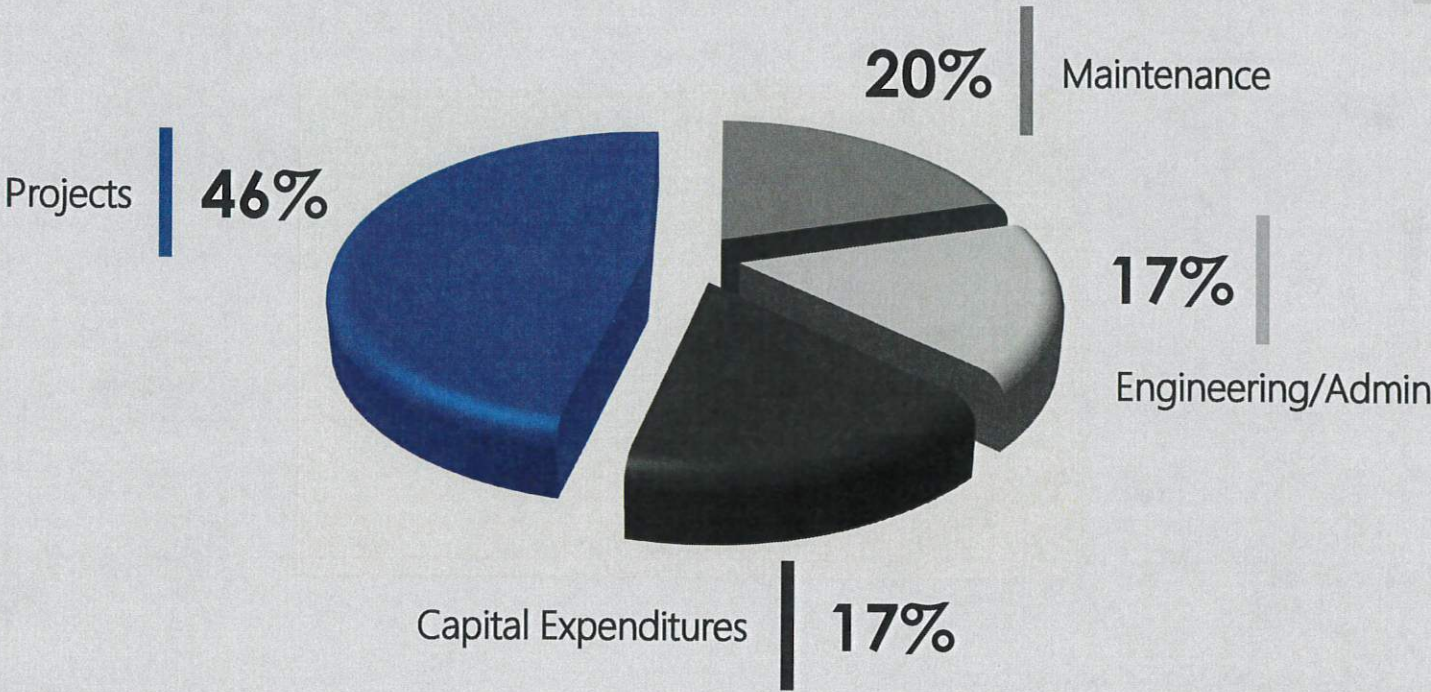
Goals

- ❖ Acquire 100 ROW tracts
 - ❖ 43 ROW tracts acquired
 - ❖ 39 ROW tracts donated
 - ❖ 22 ROW tracts in-progress

% of Goals Met

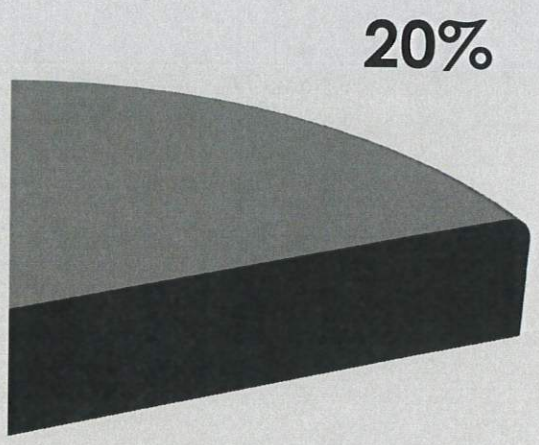


FY 2021 BUDGETED ANNUAL EXPENDITURES



MAINTENANCE ACTIVITIES

- Maintenance Facilities
 - Area 100
 - Area 200
 - Area 300
- Traffic Operations



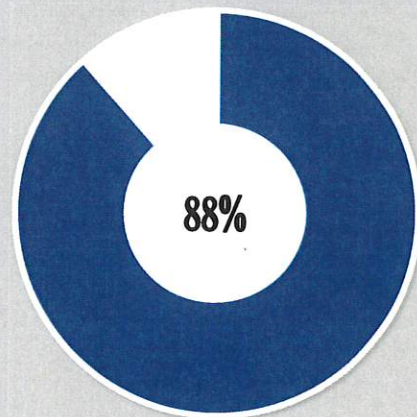
MAINTENANCE ACTIVITIES

AS OF SEPTEMBER 30, 2021

Goals

- ❖ Ensure all citizen requests/work orders are processed timely
 - ❖ *3,505 work orders received*
 - ❖ *3,098 work orders completed*
- ❖ Ensure annual/biennial inspections are performed on all roadways
 - ❖ *0 dirt road miles inspected (off-year)*
 - ❖ *0 paved road miles inspected (off-year)*
 - ❖ *1,580 miles nighttime inspections*

% of Goals Met



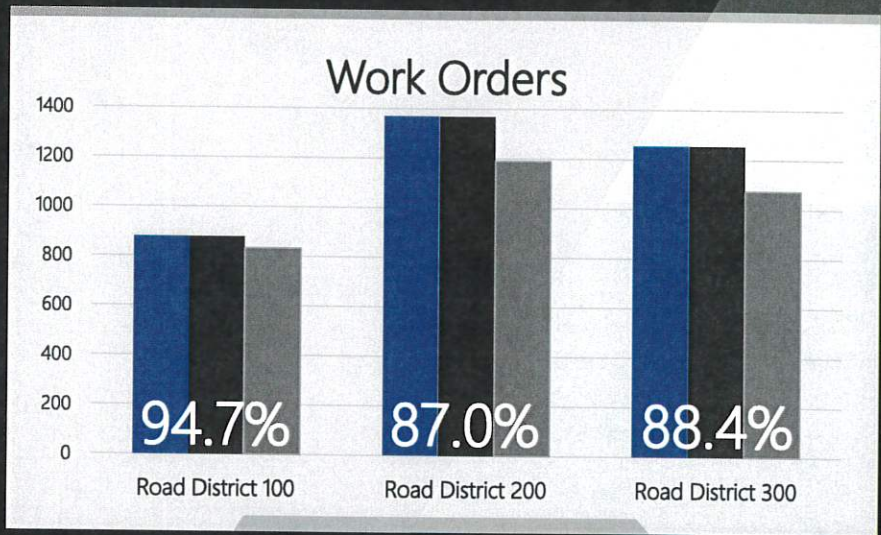
Problems Reported



Work Orders Generated



Work Orders Completed

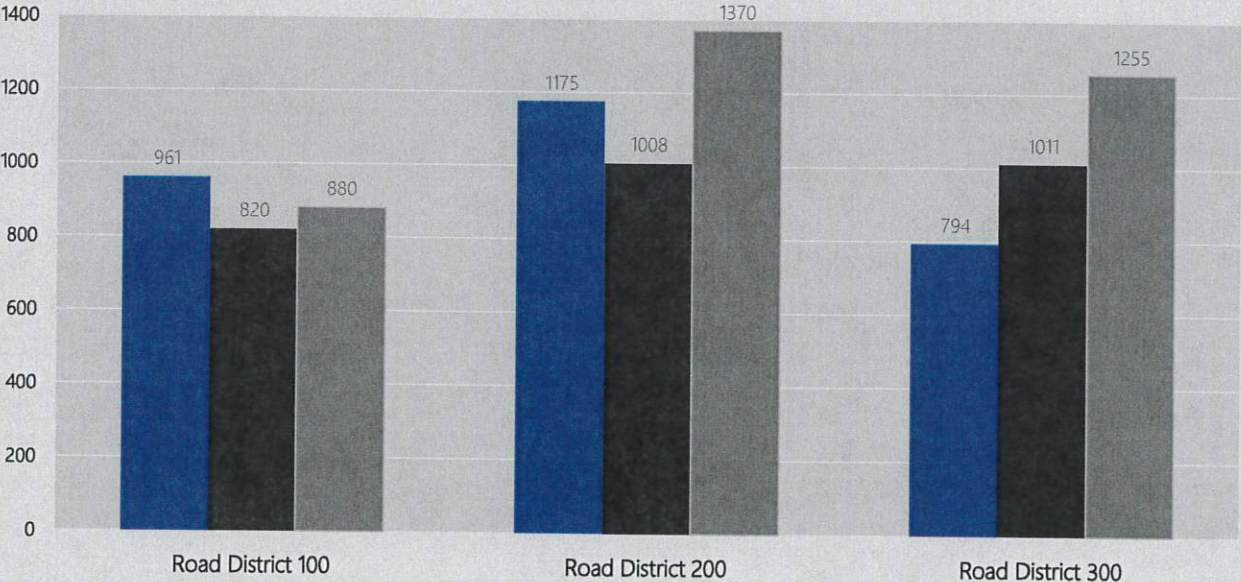


3,505 Work Orders Generated



MAINTENANCE - PROBLEMS REPORTED

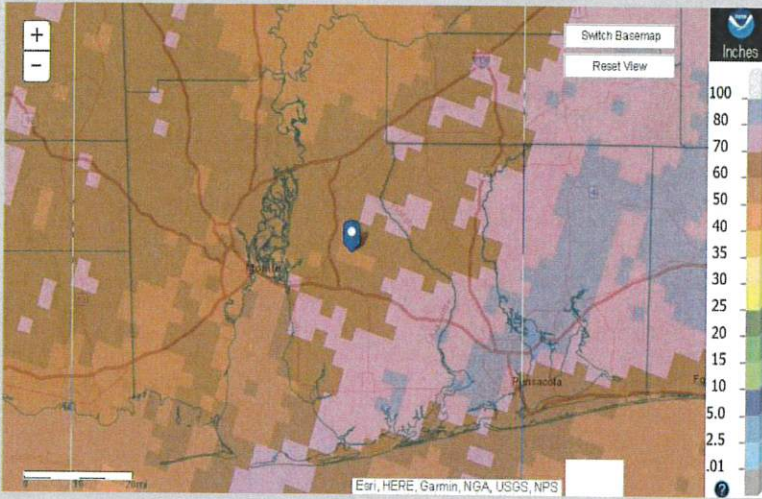
FOR THE YEARS 2019 - 2021



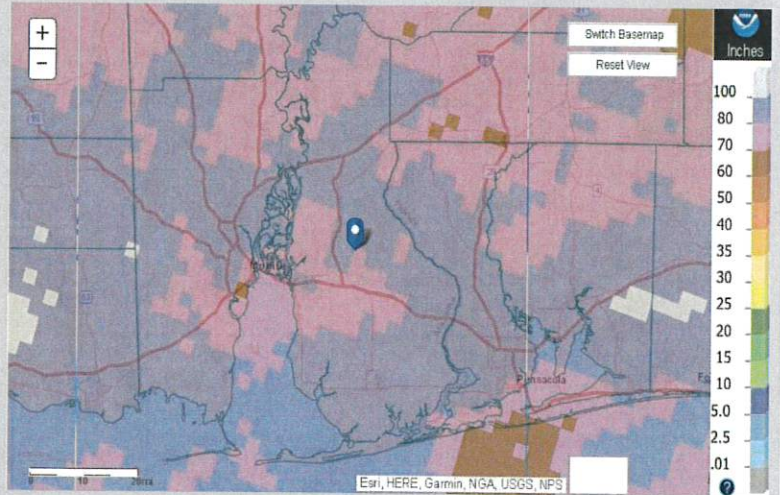
2019 2020 2021

Hwy FY21 Year End

MAINTENANCE – RECORDED RAINFALL

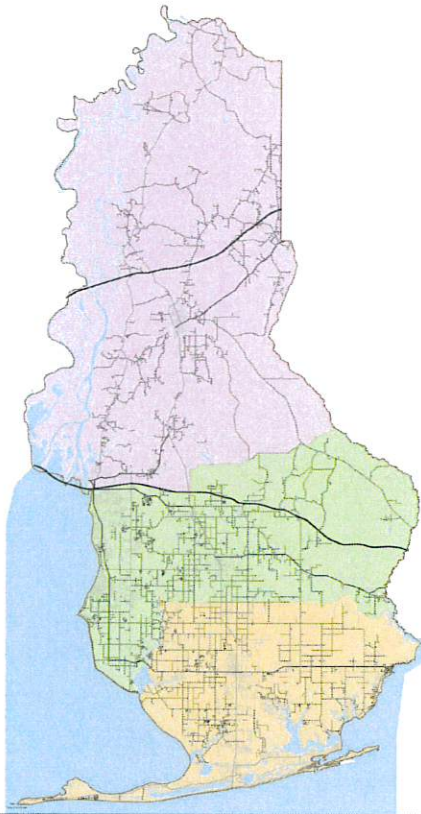


2020



2021

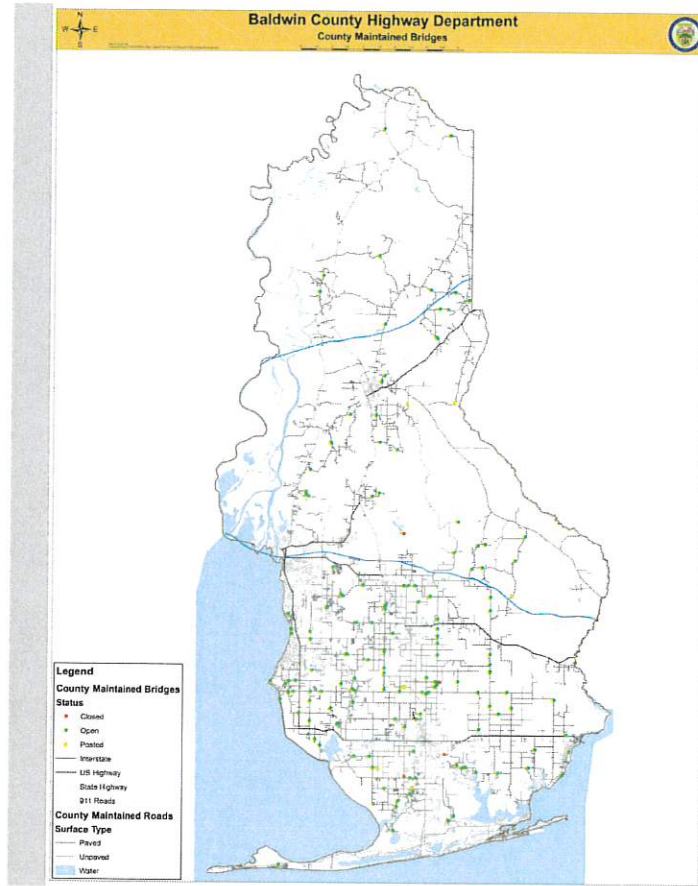




Legend
County Maintained Roads
Surface Type
 — Paved
 — Unpaved
Maintenance Areas
AREA
 AREA 100
 AREA 200
 AREA 300
Interstate
 US Highway
 State Highway
 911 Road Centerlines
 Water
 Baldwin Boundary

Maintained Roads

Area 100	Area 200	Area 300	Total
434 miles paved	529 miles paved	442 miles paved	1,405 miles paved
57 miles unpaved	48 miles unpaved	70 miles unpaved	175 miles unpaved
491 miles total	577 miles total	512 miles total	1,580 miles total



Maintained Bridges

63

162

Total Maintained Bridges

9

Posted Bridges

2

Closed Bridges

Hwy FY21 Year End

MAINTENANCE ACTIVITIES

AS OF SEPTEMBER 30, 2021

MAINTENANCE ACTIVITIES	2019 ANNUAL	2020 ANNUAL	2021 ANNUAL
Maintenance Projects Complete	98	38	70
Traffic Studies Complete	72	264	150
AFM Petitions Requested	26	27	26
Herbicide Spraying (# of road miles)	0	0	656
Traffic Signals Maintained	76	77	78
Annual Striping (line miles)	413	606	337
Signs Maintained		17,625	25,405



MAINTENANCE (SPECIAL) PROJECTS

AS OF SEPTEMBER 30, 2021

65

❖ Miscellaneous projects that do not fall into any other project category. Typically include the following:

Sidewalks

Emergency Related

Parking Lots

Work for Other Agencies



SPECIAL PROJECTS COMPLETE

HW21169000 – Daphne East Elementary School

Start Date

Complete Date

Area

Construct Walking Track

05/27/21

06/08/21

200



SPECIAL PROJECTS COMPLETE

HW21118000 – EMA Building	Start Date	Complete Date	Area
Construct Parking Lot and Handicap Striping	11/30/20	12/22/20	100



SPECIAL PROJECTS COMPLETE

HW21126000 – Hurricane Sally	Start Date	Complete Date	County
Gravel Road Repair – Bon View Road	07/28/21	09/27/21	-Wide



SPECIAL PROJECTS COMPLETE

HW21112000 – Hurricane Sally	Start Date	Complete Date	County
Paved Road Repair – County Road 91	10/20/20	05/26/21	-Wide



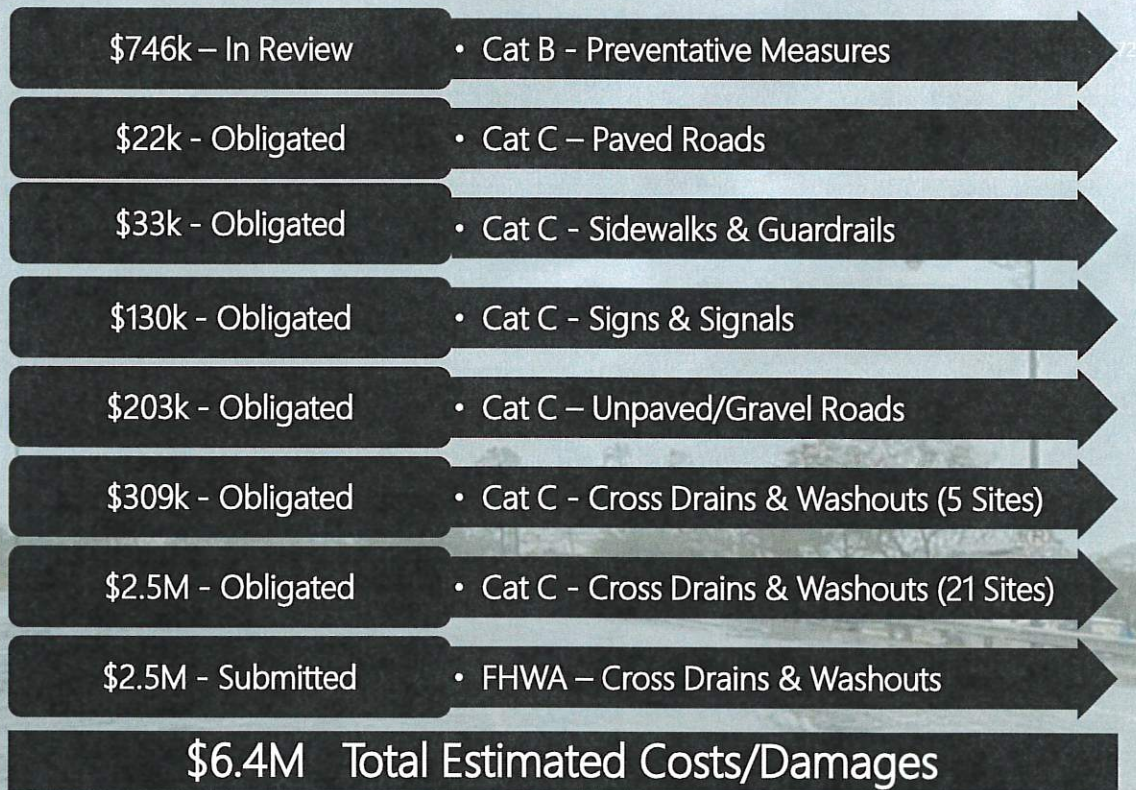
SPECIAL PROJECTS IN-PROGRESS

HW21173000 – Little River SAIL Center	Start Date	Complete Date	Area
Construct and Pave Parking Lot	06/07/21	In-Progress	100

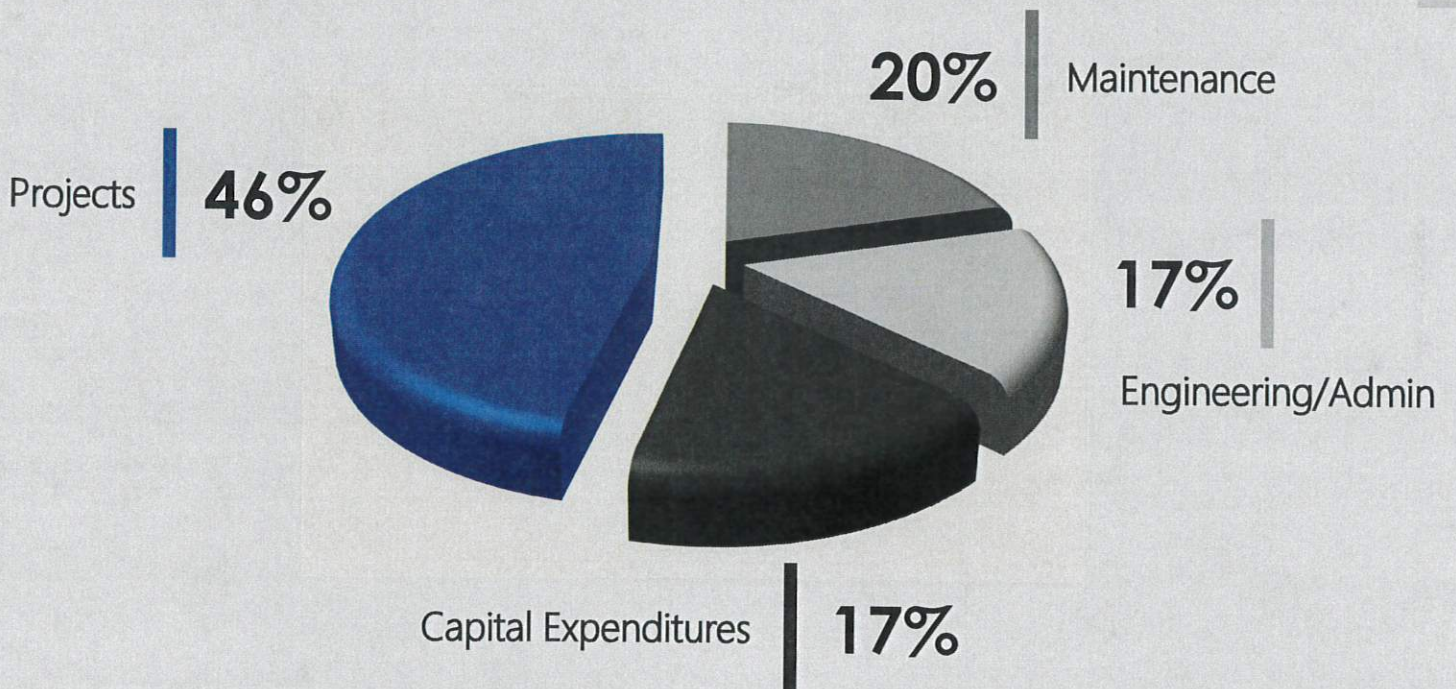


Hurricane Sally

Highway-Related
Cost and
Damages
as of
September
30, 2021

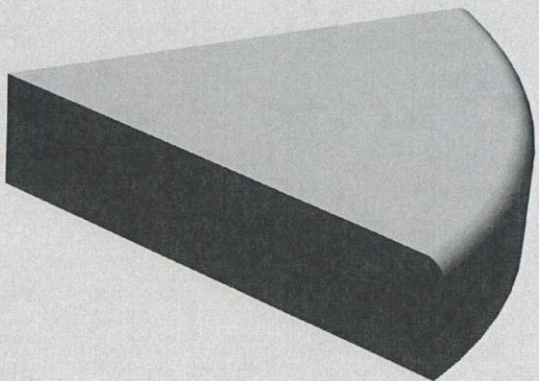


FY 2021 BUDGETED ANNUAL EXPENDITURES



ENGINEERING & ADMINISTRATIVE ACTIVITIES

- Preconstruction Engineering
 - Right-of-Way
 - Design
- Construction Engineering
 - CE&I
 - Bridge Inspections
 - Subdivisions/Permits
- Geospatial Operations
 - GIS/Survey
- Administration



17%



CONSTRUCTION ENGINEERING

AS OF SEPTEMBER 30, 2021

75

CONSTRUCTION ACTIVITIES	2019 ANNUAL	2020 ANNUAL	2021 ANNUAL
Projects Inspected	41	61	96

PERMIT ACTIVITIES	2019 ANNUAL	2020 ANNUAL	2021 ANNUAL
Subdivision Cases	69	86	175
Commercial Turnouts	71	47	46
License Agreements	17	29	15
Utility Permits	340	340	267



GEOSPATIAL OPERATIONS

AS OF SEPTEMBER 30, 2021

GEOSPATIAL ACTIVITIES	2019 ANNUAL	2020 ANNUAL	2021 ANNUAL
Surveys Completed	105	67	66
Mapping Requests		223	220

GEOSPATIAL DATASETS	DEVELOPMENT % COMPLETE	PRODUCTION % COMPLETE	MAINTENANCE
Roadside Sign Inventory	100%	100%	Continual
Nighttime Traffic Marking Inspections	100%	100%	Every 2 Years
Survey to GIS	100%	Perpetual	100%
Right-of-Way/Easements	100%	Perpetual	Continual
Pipes/Cross Drains	100%	40%	Continual
Functional Classification Assessment	100%	100%	As required
Storm Event GIS Database	100%	Beta version tested	Continual
New County Maintained Roads	100%	In production	Continual
Road Striping	100%	Beta testing	Continual



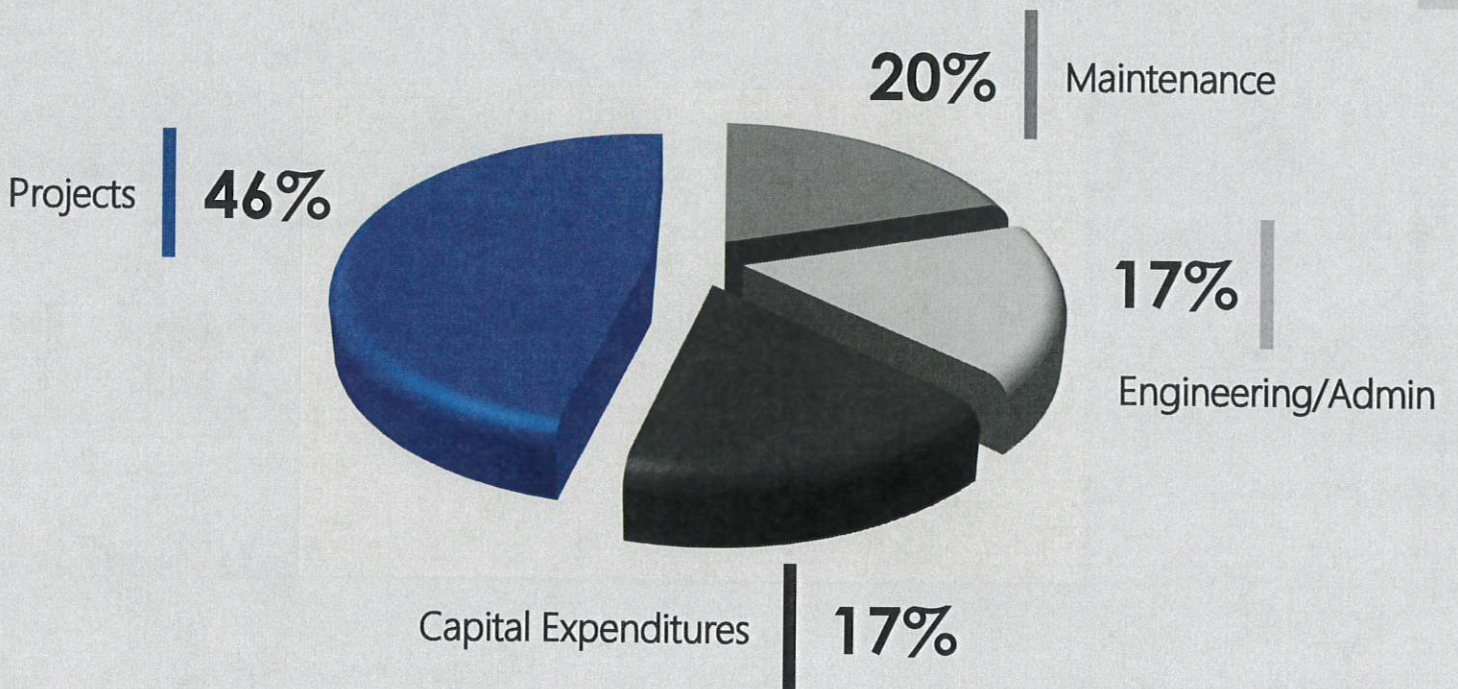
PRECONSTRUCTION ENGINEERING

AS OF SEPTEMBER 30, 2021

PRECONSTRUCTION ACTIVITIES	2019 ANNUAL	2020 ANNUAL	2021 ANNUAL
Project Designs Completed	102	103	110
Environmental Permits	4	7	6
Special Requests	52	69	26

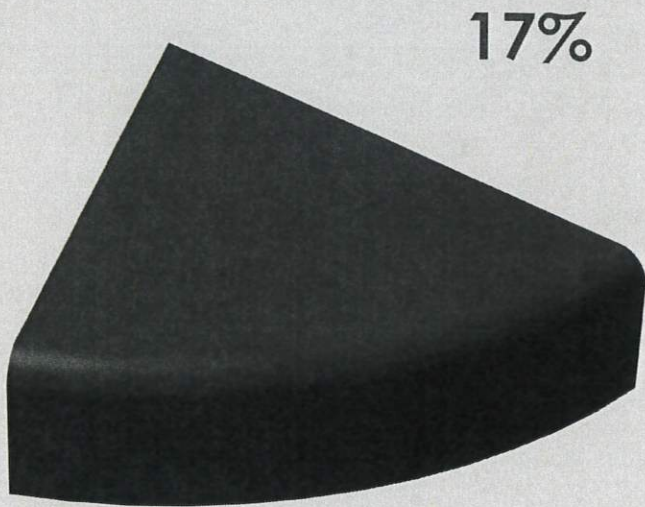
RIGHT-OF-WAY DATASETS	2019 ANNUAL	2020 ANNUAL	2021 ANNUAL
Research Requests	824	852	964
Tracts Acquired	34	79	65
ROW Vacations	4	6	7
Deeds Prepared	37	102	94

FY 2021 BUDGETED ANNUAL EXPENDITURES



CAPITAL EXPENDITURES

- Equipment
- Motor Vehicles
- Other
- Traffic Counters
- Survey Equipment



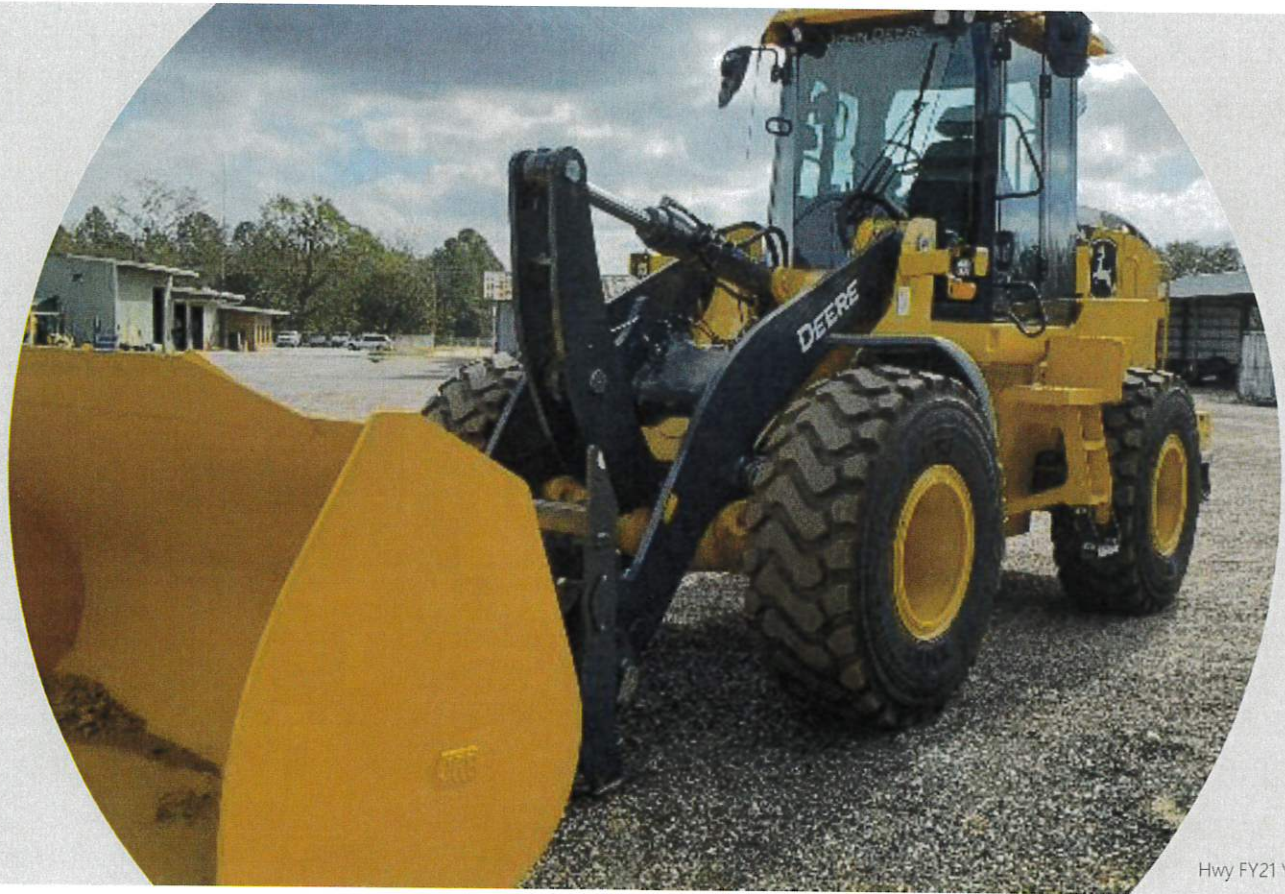


Hwy FY21 Year End



Hwy FY21 Year End





Hwy FY21 Year End



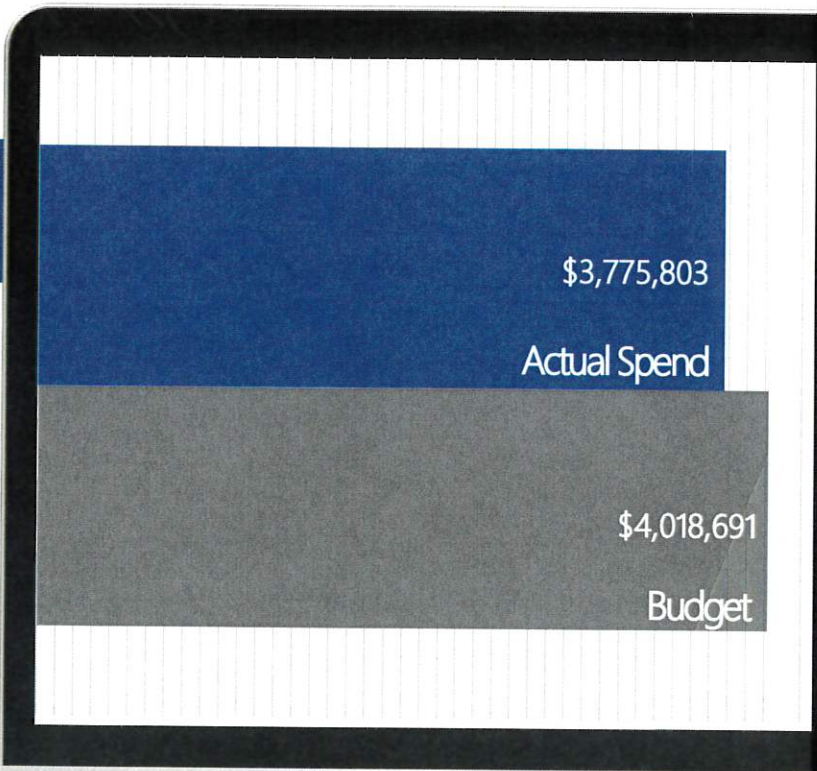
Hwy FY21 Year End



Hwy FY21 Year End



Hwy FY21 Year End



\$3,775,803

Actual Spend

\$4,018,691

Budget

Capital Expenditures

Construction
Equipment

\$242,888 difference



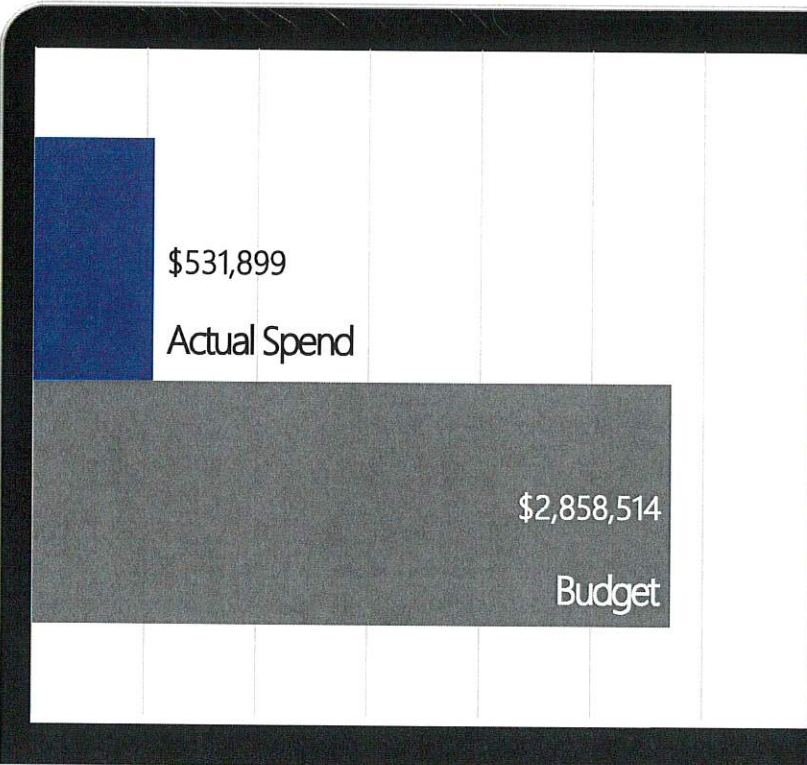
88

Capital Expenditures

Motor Vehicles

\$1,189 difference

May 2013

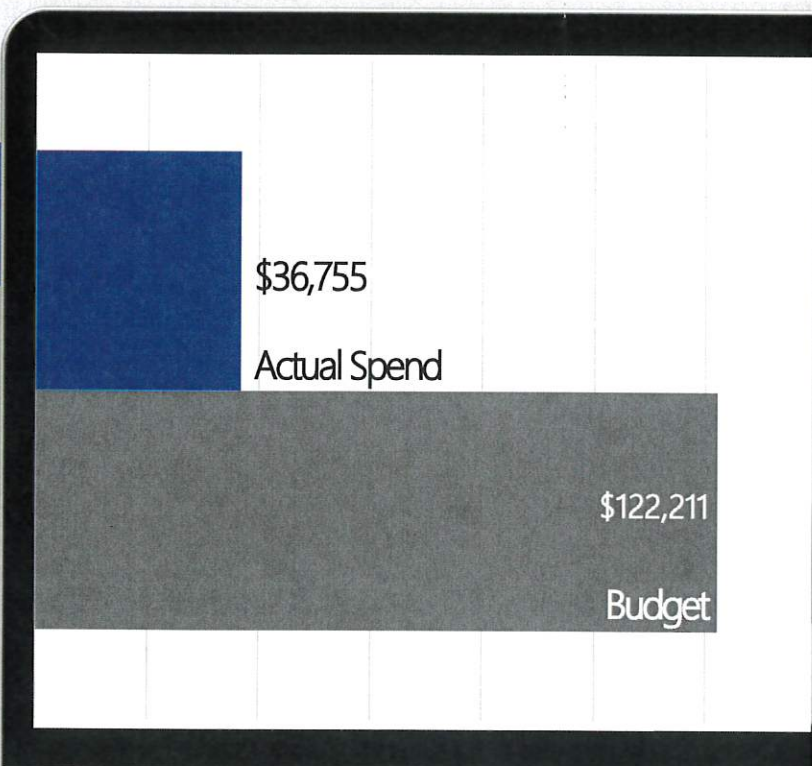


Capital Expenditures

Buildings

\$2,326,615 difference

Area 100 and Area 200
New Facility Construction
In-Progress as of 09/30/21



Capital Expenditures

Other Assets

\$85,456 difference

- Munis Asset Performance Module
 - In Implementation
- HP Wide Format Printer
 - In Contract Negotiations

FY21 CHALLENGES

91

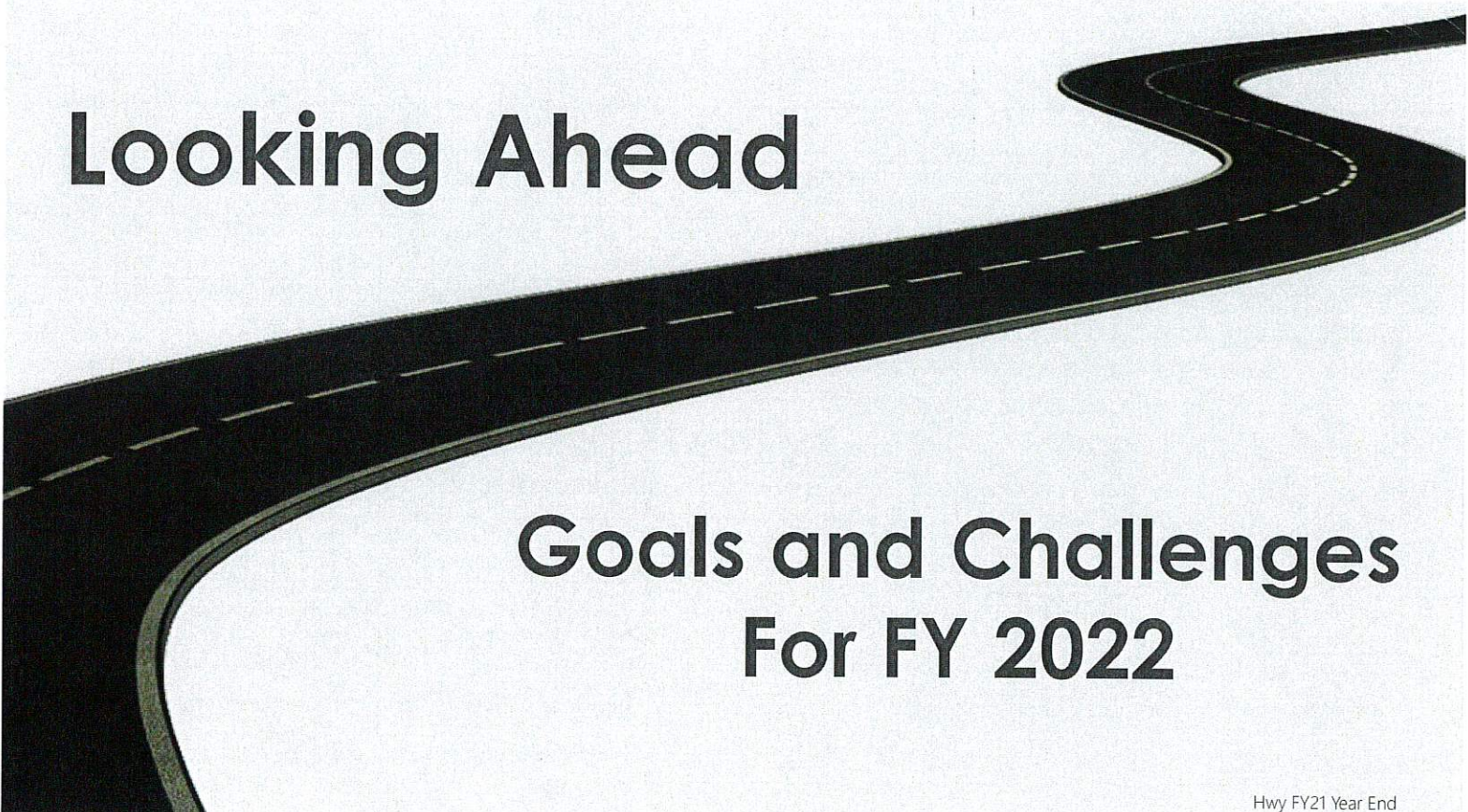
❖ Work Hours Loss of Productivity

- ❖ FY21 work hours 261,601
 - ❖ Reduction of 1,785 hours from FY20
- ❖ FY20 work hours 263,386
 - ❖ Reduction of 12,220 hours from FY19

❖ On-Job Loss of Productivity

- ❖ Time lost cleaning and disinfecting autos and equipment before and after use
- ❖ No inmate labor utilized



A graphic of a dark, winding road with white dashed lines, curving from the bottom left towards the top right against a light, textured background.

Looking Ahead

**Goals and Challenges
For FY 2022**

Hwy FY21 Year End

HIGHWAY DEPARTMENT

Strategic Plan Goals

- By 2022, residents will experience a well-planned set of new and improved roads for local travel that will alleviate traffic congestion on arterials.
- By 2025-2027, residents and visitors will experience reduced congestion with the completion of the Baldwin Beach Express #2 (BBE2)
- By 2022, the community will experience a reduction in runoff and flooding through the implementation of a regional retention system for stormwater.



FY 2022 Goals

Resurfacing

Capacity Improvements

Dirt Road Paving

Drainage Improvements

Bridge Improvements

Park Improvements

New Road Construction

Maintenance Activities

Safety Improvements

Geospatial

Special Projects



RESURFACING

Goals for FY 2022

❖ Resurface 68.20 miles



DIRT ROAD PAVING

Goals for FY 2022

❖ GOMESA Funding

❖ Pave 4.47 miles



BRIDGE IMPROVEMENTS

97

Goals for FY 2022

- ❖ Begin construction on 15 bridge replacement projects
 - ❖ 9 *Hurricane Sally-related (FEMA)*
- ❖ Remove 1 bridge
 - ❖ *Bayshore Drive*



NEW ROAD CONSTRUCTION

98

Goals for FY 2022

- ❖ Complete design on 2 new road construction projects
 - ❖ *Pleasant Rd Extension*
 - ❖ *CR 20 Extension*

- ❖ Begin design on 1 new road construction project
 - ❖ *Corte Rd Extension*



SAFETY IMPROVEMENTS

Goals for FY 2022

- ❖ Complete construction on 2 safety improvement projects
- ❖ Begin construction on 6 safety improvement projects



CAPACITY IMPROVEMENTS

Goals for FY 2022

❖ 1 capacity improvement project in design



DRAINAGE IMPROVEMENTS

101

Goals for FY 2022

- ❖ Complete construction on 15 drainage improvement projects
 - ❖ *All sites - Hurricane Sally-related (FEMA)*
 - ❖ *14 sites - work to be performed with County forces*



PARK IMPROVEMENTS

Goals for FY 2022

- ❖ Complete construction on 1 park improvement project



RESTORE

PARK IMPROVEMENT PROJECTS IN DESIGN PHASE

HW16069000 – Lillian Boat Launch

Shoreline Restoration

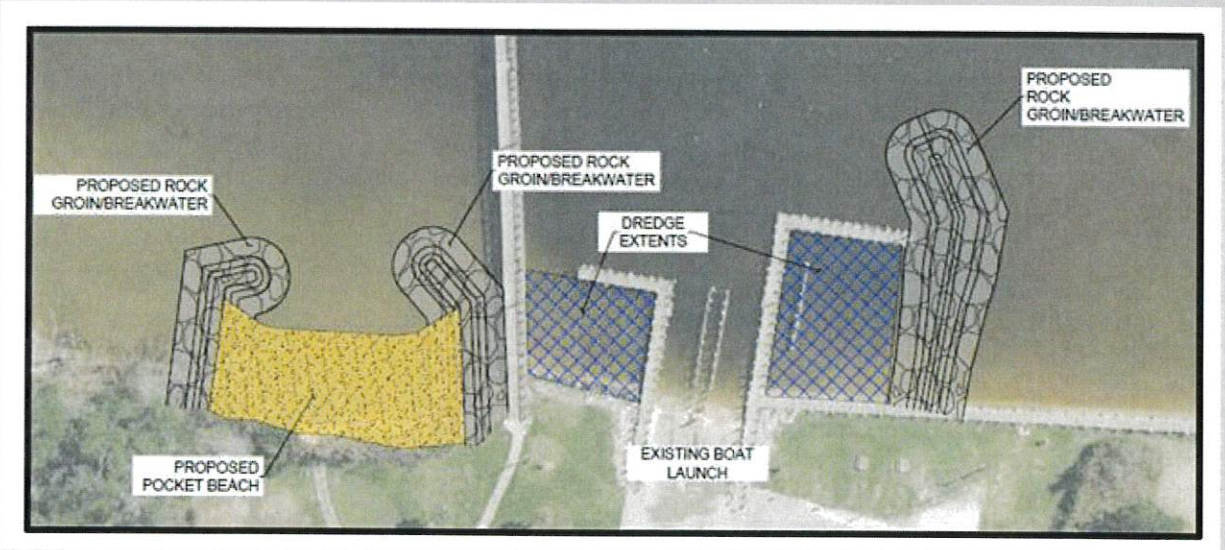
Start Date

In Design

Complete Date

Area

300



SPECIAL PROJECTS

104

Goals for FY 2022

- ❖ Complete construction on 3 projects
- ❖ Begin construction on 1 project



MAINTENANCE ACTIVITIES

105

Goals for FY 2022

- ❖ Ensure all citizen requests/work orders are processed timely
- ❖ Ensure annual/biennial inspections are performed on all roadways



GEOSPATIAL

106

Goals for FY 2022

- ❖ Complete GIS pipe/cross drain inventory
- ❖ Initiate full production for Damaged Asset Database
- ❖ Continually implement training for all staff
- ❖ Integrate/develop existing datasets with Munis
- ❖ Prioritize migration to ArcGIS Enterprise with other departments



DESIGN

Goals for FY 2022

❖ Resurfacing Roads

- ❖ *Complete design on 4 groups
(91 roads)*

❖ Bridges Projects

- ❖ *Complete design on 16 bridges*
- ❖ *Begin design on 1 project*

❖ New Road Construction

- ❖ *Begin design on 2 projects*

❖ Safety Improvement Projects

- ❖ *Complete design on 7 projects*

❖ Drainage Projects

- ❖ *Complete design on 17 projects*

❖ Special Projects

- ❖ *Complete design on 2 projects*



SAFETY IMPROVEMENT PROJECTS IN ROW ACQUISITION PHASE

HW18069000 – County Road 13

Start Date

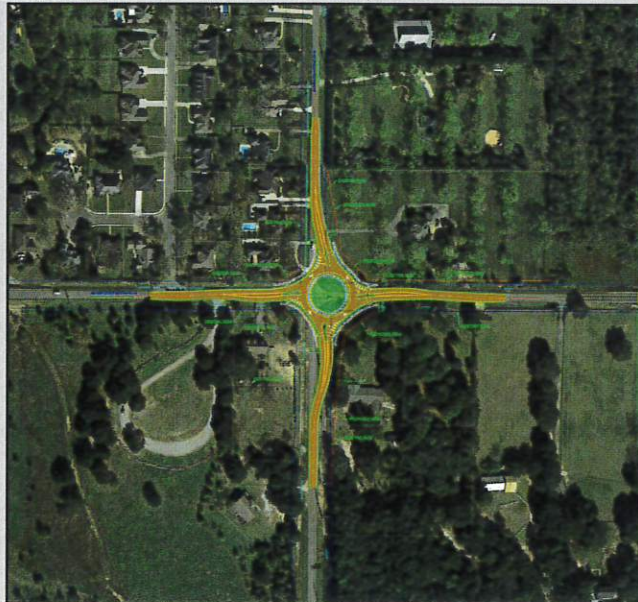
Complete Date

Area

Roundabout on CR 13 at CR 44

ROW Phase

200



ROW ACQUISITION

Goals for FY 2022

- ❖ Acquire 165 ROW Tracts
 - ❖ *Acquire 103 Dirt Road Paving Tracts*
 - ❖ *Acquire 21 Drainage Improvement Tracts*
 - ❖ *Acquire 22 New Road Construction Tracts*
 - ❖ *Acquire 7 Bridge Replacement Tracts*
 - ❖ *Acquire 6 Safety Improvement Tracts*
 - ❖ *Acquire 6 Other Tracts*



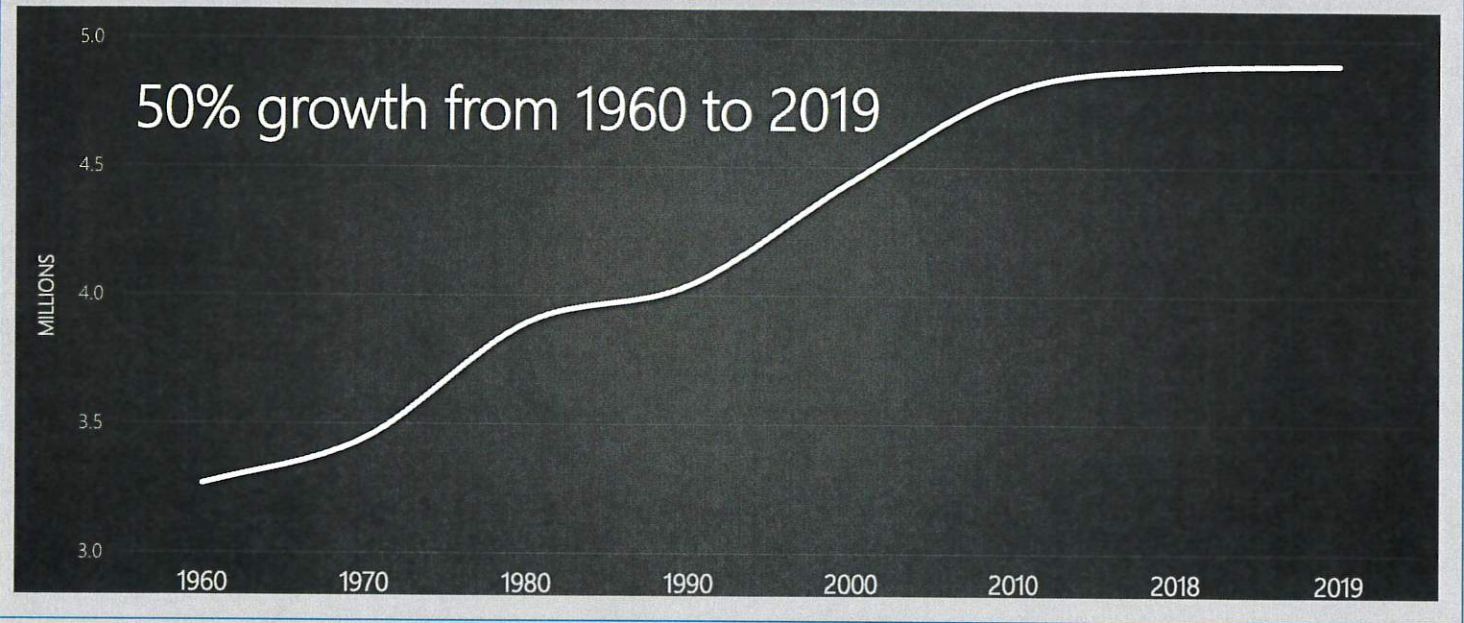
A graphic of a dark, winding road with white dashed lines, curving from the bottom left towards the top right against a light background.

Challenges For FY 2022

Hwy FY21 Year End

ALABAMA

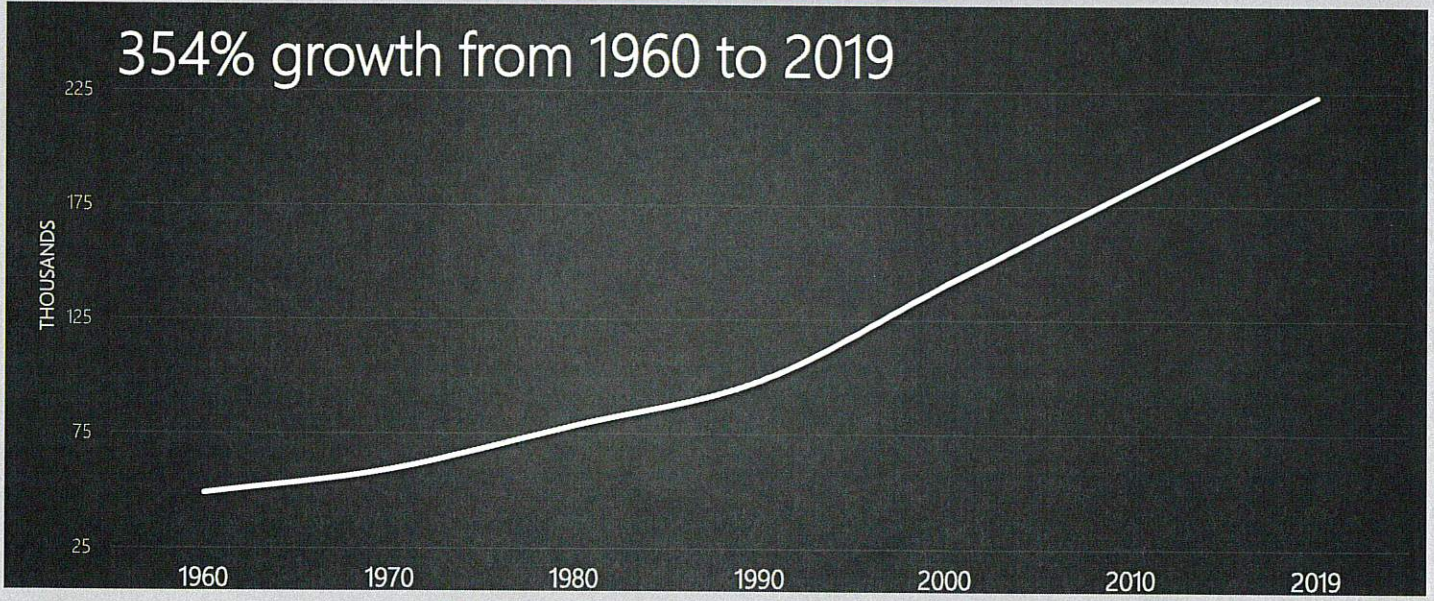
Population Growth



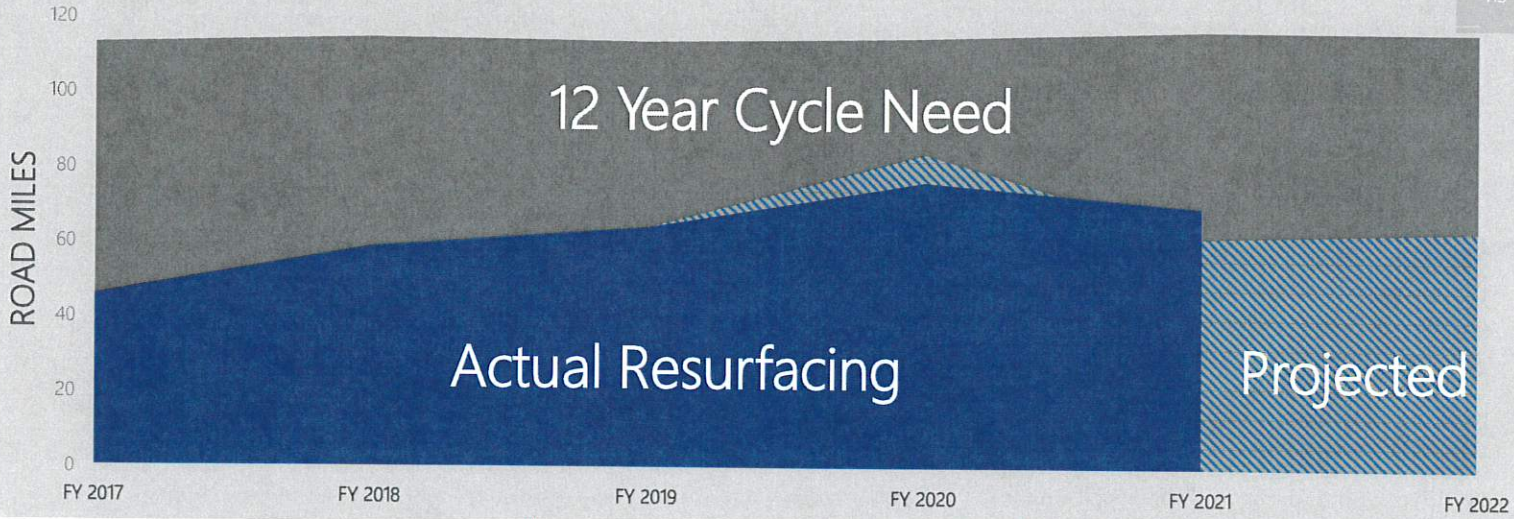
BALDWIN COUNTY

Population Growth

354% growth from 1960 to 2019



ANNUAL RESURFACING COSTS




12 Year Cycle Need
117 miles/year
\$9.4M \$/year

1,405
 Miles of Paved Roads

Estimated Costs
\$80k/mile
\$112M total





\$175k per mile
paving cost
(material only)

\$30.6M paving cost
total

175 miles of
Dirt Roads

FY22 Funded
\$1.6M

10 Yr. Annual Cost
\$3.1M per year



Capacity Improvements Needed

Extend BBE from
I-10 to I-65

\$253.0M

Extend CR 48 from
Bohemian Hall
Rd to CR 48

\$10.0M

Extend CR 20 from
End of Pavement
to CR 65

\$7.0M *

Extend Lawrence
Rd from CR 30
to SR 104

\$6.0M

Additional Lane
CR 64 from SR
181 to CR 54 E

\$5.5M *

Industrial Drive
from SR 287 to
proposed BBE II

\$5.0M

Extend Pleasant
Rd from SR 181
to Rigsby Rd

\$3.5M *

Extend CR 65
from CR 28 to
CR 32

\$3.0M

Extend Corte Rd
from Friendship
Rd to CR 13

\$2.5M *

\$296M Total Needed for Capacity Improvements

* under design



6 Bridges Funded for Construction

* Posted Bridge

\$1.4M

River Road North Bridge at Keller Creek *

\$575k

Davis Road Bridge at Baker Branch

\$575k

County Road 34 Bridge at Baker Branch E Trib *

\$575k

County Road 34 Bridge at Baker Branch W Trib *

\$500k


Paul Cleverdon Rd over East Trib to Baker Branch

\$1.1M

Pine Grove Rd Ext Bridge over Styx River *

\$4.7M

Total Funding for Bridge Projects



7 Bridge Improvements Needed

* Posted Bridge **Closed Bridge

\$16.5M	County Road 32 Bridge at Fish River *
\$6.5M	County Road 64 Bridge at Styx River
\$5.5M	Phillipsville Road Bridge at Dyas Creek *
\$5.3M	County Road 87 Bridge at Styx River *
\$2.0M	Truck Trail 17 Bridge at Roans Creek **
\$1.5M	Sherman Road Bridge at Weeks Branch *
\$675k	Still Road Bridge at Hollinger's Creek *
\$38.0M	Total Needed for Bridge Projects

Questions?

Disclaimer: The Baldwin County Highway Department has made every effort to ensure the accuracy of the information contained in this publication. However, the information in this publication is based on estimated projections and is subject to change at any time by the Baldwin County Commission and Highway Department. This document does not override any governing legislation. The Baldwin County Commission and Highway Department accept no liability for any consequence that arises from the use of this document. Please direct any inquiry regarding the contents of this document to the Chief Accountant with the Baldwin County Highway Department.



Appendix E-2

2.7.4.3 Pollution Prevention / Good Housekeeping – Bridge Inspection

Units of Measure Report sorted by Activity

4/1/2021 - 9/30/2021

Units of Measure: # of Bridges Inspected **36.00**

Activity Id: 120 **Bridge Inspection**

Rec Id	DJ Id	Date	Proj Id	Road Id	Rd Se	Road Nam	Brdg Id	Bridge Name	Ph Id	Act Wl	Emp Name	Emp Units	Equ Id	Equ Units	Comments	Emp Units	Cost Center
582951	409593	4/29/2021	HW21107000			County Rd 52 - Silver Creek	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
582952	409593	4/29/2021	HW21107000			County Rd 54 - Perone Branc	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
582953	409593	4/29/2021	HW21107000			County Rd 64 - Drainage	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
582954	409593	4/29/2021	HW21107000			County Rd 64 - Fish River	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
582955	409593	4/29/2021	HW21107000			CR 48 - Tr Polecat Creek	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
582956	409593	4/29/2021	HW21107000			Fred Dugger Rd - Negro Cre	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
582957	409593	4/29/2021	HW21107000			Scenic Hwy 98Point Clear Cr	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
583247	409676	4/28/2021	HW21107000			County Rd 55 - Perone Creek	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
583248	409676	4/28/2021	HW21107000			BBE CULVERT TRIB WAT	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
583249	409676	4/28/2021	HW21107000			CR 9 - Branch off Fish River	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
583250	409676	4/28/2021	HW21107000			Bon Secour Hwy - Shutt Cre	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
583251	409676	4/28/2021	HW21107000			County Rd 34 S - Drainage	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
584698	410019	5/19/2021	HW21107000			County Rd 33 - Cowpen Cre	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
584699	410019	5/19/2021	HW21107000			County Rd 9 - Polecat Creek	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
584978	410633	5/27/2021	HW21107000			County Rd 68 Ext - Styx Riv	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
585979	410633	5/27/2021	HW21107000			Turkey Branch Dr - Turkey F	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
592392	412107	6/14/2021	HW21107000			County Rd 54 - Fish River	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
592393	412108	6/15/2021	HW21107000			County Rd 55 - Unnamed Bra	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
592394	412108	6/15/2021	HW21107000			County Rd 87 - Unnamed Br	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
599650	414057	7/1/2021	HW21107000			Danne Rd - Green Branch	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
599651	414058	7/20/2021	HW21108000			Truck Route 17 Hollinger Cr	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
599652	414059	7/26/2021	HW21107000			Keller Rd - Weesles Branch	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
599653	414059	7/26/2021	HW21107000			County Rd 12 - Bon Secour R	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
599882	414124	7/26/2021	HW21107000			County Rd 55 - Baker Branch	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
599884	414125	7/27/2021	HW21107000			Underwood Dr - Magnolia Ri	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
607301	416196	8/19/2021	HW21107000			Pine Grove Rd Ext - Styx Riv	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
607304	416197	8/27/2021	HW21107000			T.J. Earle Rd - Turkey Creek	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
607305	416197	8/27/2021	HW21107000			Antebellum Blvd FOOT LOC	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
607306	416197	8/27/2021	HW21107000			Antebellum Blvd Trib Bay M	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
608002	416454	8/19/2021	HW21107000			County Rd 65 - Turkey Branc	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
612844	417888	9/27/2021	HW21107000			Dyas Rd - Unnamed Branch	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
612845	417888	9/27/2021	HW21107000			Dyas Rd - Bushy Creek	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
612846	417889	9/14/2021	HW21107000			County Rd 87 - Bee Tree Cre	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
612847	417890	9/8/2021	HW21107000			County Rd 99 - Peterson Bra	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
612848	417891	9/13/2021	HW21107000			County Rd 97 - Soldier Creek	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120
612849	417892	9/20/2021	HW21107000			Doc McDuffie Rd - Wolf Cre	4	1.00	Sharp, Michael	0.00		0.00			0.00		53120

1.a

1.c

2.a

2.b

2.c

2.d

4.a

5.d

Baldwin County Commission
Highway Department
Activity Measurement Capture - 53120
For the Fiscal Year 2022

		53120					
		1060					
		Bridge -					
		Inspection					
		# of Bridges					
		Inspected					
Date	Project #	Work Order #	Road /Bridge Name	Unit of Measure	Cost Center	Activity Code	Description
10/05/2021	R	220000463		123			
10/08/2021	R	220000832		127			
10/13/2021	U	220001806		20			
10/13/2021	U	220001809		2			
10/13/2021	U	220001812		126			
10/13/2021	U	220001815		106			
10/13/2021	R	220001267		135			
10/14/2021	U	220001818		139			
10/14/2021	U	220001822		128			
10/14/2021	U	220001826		136			
10/14/2021	U	220001830		92			
10/18/2021	R	220001553		111			
10/18/2021	R	220001550		95			
10/19/2021	R	220001531		101			
10/21/2021	R-S	220001836		155			
10/26/2021	R	220002041		86			
11/01/2021	S	220002552		38			
11/01/2021	S	220002562		40			
11/02/2021	R-S	220002727		200			
11/02/2021	R-S	220002730		202			
11/02/2021	R-S	220002733		204			
11/03/2021	R-S	220002736		206			
11/03/2021	R-S	220002739		208			

11/04/2021	R-S	220002798	205
11/04/2021	R-S	220002801	207
11/04/2021	R-S	220002804	209
11/08/2021	R-S	220002914	201
11/08/2021	R-S	220002917	203
11/09/2021	R-S	220003005	212
11/10/2021	R-S	220003108	5
11/10/2021	S	220003112	159
11/10/2021	S	220003117	32
11/15/2021	S	220003340	70
11/16/2021	S	220003339	20
11/17/2021	S	220003415	103
12/08/2021	R	220004252	8
12/08/2021	R	220004255	10
12/08/2021	R	220004258	115
12/09/2021	R	220004390	225
12/09/2021	R	220004393	229
12/09/2021	R	220004396	234
12/14/2021	R	220004555	227
12/21/2021	R	220004887	97
12/21/2021	R	220004890	224
12/28/2021	R	220005056	233
12/28/2021	R	220005059	231
12/29/2021	R	220005062	109
12/29/2021	R	220005115	140
01/06/2022	R	220005355	9
01/06/2022	R	220005358	7
01/07/2022	R	220005361	15
01/07/2022	R	220005364	14
01/07/2022	R	220005367	18
01/12/2022	R	220005573	21
01/12/2022	R	220005576	144
01/12/2022	R	220001809	2
01/14/2022	R	220005681	157
CR 13 over Turket Branch			
Battles Rd over Drairage			
CR 24 over turkey Bran			
CR 32 over Drairage			
CR 32 over Drairage			
44 over trib to cowpen cree			

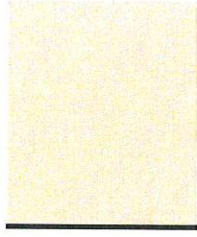
01/14/2022	R	220005684	158	CR 13 over Waterhole B
01/14/2022	R	220005687	24	
01/26/2022	R	220006132	65	
01/26/2022	R	220006135	110	
02/08/2022	R	220006792	121	
02/08/2022	R	220006795	236	
02/09/2022	R	220006704	3	
02/09/2022	R	220006707	13	
02/14/2022	R	220006934	25	
02/15/2022	R	220007052	40	
02/16/2022	R	220007055	26	
03/02/2022	I	220007466	75	
03/02/2022	I	220007469	83	
03/02/2022	I	220007472	152	
03/09/2022	R	220007773	100	
03/23/2022	R	220008511	55	CR 98 over Fly Creek CR 98 over Rock Creek
03/23/2022	R	220008514	56	
03/23/2022	R	220008517	66	
03/30/2022	R	220008782	146	
03/30/2022	R	220008785	43	
03/30/2022	R	220008788	108	
03/30/2022	R	220008793	34	
03/23/2022	SC	220001806	20	
04/04/2022	R	220009103	163	CR 13 over Trib to Fly Cr
04/20/2022	R	220009530	41	
04/20/2022	R	220009533	38	
04/20/2022	R	220009536	42	
04/21/2022	R	220009543	49	
04/21/2022	R	220009546	129	
04/21/2022	R	220009549	128	
04/25/2022	R	220009881	74	
04/25/2022	R	220009884	164	
04/25/2022	R	220009887	44	
04/28/2022	R	220009890	68	CR 13 over Fly Creek

05/11/2022
05/11/2022
05/18/2022
05/18/2002
05/18/2022

R
R
R
R
R

220010307
220010311
220010571
220010574
220010577

124
125
90
89
82





Appendix E-4

2.7.4.5 Pollution Prevention / Good Housekeeping – Litter Control

CREEK CLEAN ASSIGNMENTS

WEEK 5	Assignment		<u>Miles</u>	<u>Weight</u>
Wednesday	7-Apr (7 Men)START:C.R.64-(Loxley C.L./49 to 13 / Daphne C.L.). NEXT-C.R.55S.-(59 to 52).		9.4	1,620
Thursday	8-Apr (0 men)*RAIN OUT TODAY / MAKE UP FRIDAY.		0	0
TOTAL			32.9	4460
WEEK 2	Assignment		<u>Miles</u>	<u>Weight</u>
Monday	12-Apr (7 Men)START: C.R.32W.-(59 to 9 / 181 / scenic 98).		13	1,480
TOTAL			29.8	4020
WEEK 3	Assignment		<u>Miles</u>	<u>Weight</u>
Wednesday	28-Apr (7 men)FINISH:C.R.40-(39 to 225); ST.-C.R.39-(31/Stapleton C.L. to 138), ST.-D'Olive Rd.		10.8	0
TOTAL			34.7	2340
WEEK 1	Assignment		<u>Miles</u>	<u>Weight</u>
Friday	10-Sep (6 men)FINISH:C.R.54-(55 to 59), ST.-C.R.48-(9 to 181); ST.-C.R.33-(32 to 48).		9.90	2,280
TOTAL			37.2	2280
WEEK 2	Assignment		<u>Miles</u>	<u>Weight</u>
Tuesday	9-Nov (7 men)START:C.R.64-(49/Loxley C.L. to 54).		6.5	0
Wednesday	10-Nov (7 men)FINISH:C.R.64-(54 to 13), ST.-C.R.13-(64/Daphne C.L. to 104). ST.-C.R.112E./31.		7	1,100
Thursday	11-Nov (6 men)START:C.R.32W.-(9/Bridge to Scenic Hwy 98).		6.9	0
TOTAL			33.4	1100
WEEK 3	Assignment		<u>Miles</u>	<u>Weight</u>
Tuesday	18-Jan (7 men)START:C.R.32W.-(Scenic 98 to 9) then (9 to 59).		12.5	1,380
TOTAL			40.2	4060
WEEK 4	Assignment		<u>Miles</u>	<u>Weight</u>
Thursday	27-Jan (5 Men)*START: (YEAR-2 / CYCLE-1), ST.-C.R.64W.-(49/Loxley C.L. to 13/Daphne C.L.).		5	0
TOTAL			37.3	2460
WEEK 5	Assignment		<u>Miles</u>	<u>Weight</u>
Monday	31-Jan (7 Men)FINISH:C.R.64W.-(54 to 13), START:C.R.55S.-(Loxley C.L. to 32).		11.3	980
TOTAL			40.6	2860
WEEK 3	Assignment		<u>Miles</u>	<u>Weight</u>
Wednesday	23-Mar (6 men)START:C.R.32-(59 to Scenic Hwy 98). *NEXT-C.R.13-(104 to Daphne C.L.).		13	240
TOTAL			48.5	2560
WEEK 4	Assignment		<u>Miles</u>	<u>Weight</u>
Monday	28-Mar (7 men)START:C.R.13-(104 to Daphne C.L.), ST.-C.R.49-(28 to 24), ST.-C.R.64-(49/13).		10.6	1000
Tuesday	29-Mar (5 men)FINISH:C.R.64-(54 to 181), then ST.-C.R.55-(Loxley C.L. to 32).		9.8	720
TOTAL			40.4	2360
TOTALS			375.0	28,500



Appendix E-5

2.7.5 Pollution Prevention / Good Housekeeping - Training



BALDWIN COUNTY COMMISSION

FOR IMMEDIATE RELEASE
August 4, 2021

CONTACT:
Wayne A. Dyess, County Administrator
(251) 580-2550
wayne.dyess@baldwincountyal.gov

PUBLIC NOTICE

The Baldwin County Commission has been invited to attend the following event:

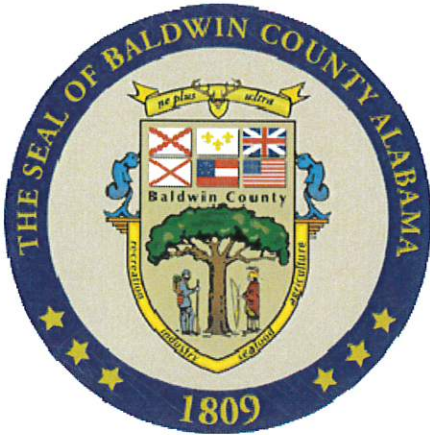
BALDWIN COUNTY EMERGENCY MANAGEMENT AGENCY
EMERGENCY OPERATIONS CENTER ACTIVATION AND EMERGENCY
CALLED MEETING TRAINING EXERCISE

The purpose of the event is to conduct emergency preparedness training and an emergency called meeting training exercise for County officials and staff in preparation for emergency weather events during Hurricane Season 2021.

Wednesday, August 4, 2021
3:00 p.m. – 4:30 p.m.

Baldwin County Central Annex
Auditorium
22251 Palmer Street
Robertsdale, Alabama 36567

This public notice is provided to the public in accordance with applicable state law as a majority of the Baldwin County Commissioners may attend and participate in the above event.



Appendix E-5-1

2.7 Pollution Prevention / Good Housekeeping – Building Inspections Training



CERTIFICATE OF ATTENDANCE

Eddie Harper

Has successfully attended

Introduction to Deck Design

On 4/26/2022

Held in FL, . Presented by Cheryl Zafiris

Earning 1 LU/HSW AIA Credit(s), 1 PDH Credit(s) [1.0 Contact Hour(s)]
AIA Provider #50119826 and AIA Course Approval # AIA-DCK10119



Point of contact Ian McCallion
5956 West Las Positas Blvd
Pleasanton CA, 94588
IMCCALLION@STRONGTIE.COM
800-999-5099

Simpson Strong-Tie Company Wide Training Manager





NATIONAL HURRICANE CONFERENCE, Inc.

2952 Wellington Circle
Tallahassee, FL 32309
(850) 906-9224 * Phone & Fax
www.HurricaneMeeting.com

April 29, 2022

To: Attendees of the 2022 National Hurricane Conference
Eddie Harper
Eddie.harper@baldwincountyal.gov

From: Michael Vincent, Executive Director

Re: Certificate of Achievement **in PDF format**

I am writing to thank you for your participation in the 2022 National Hurricane Conference, April 11-14, at the Rosen Centre Hotel, Orlando, FL.

We hope that your experience at the conference was a good one. Your involvement in educational conferences such as the National Hurricane Conference demonstrates a sincere commitment to the cause of increased professionalism in hurricane preparedness, mitigation and recovery. And I applaud you for taking time from your busy schedule to participate.

Attached is your Certificate of Achievement, which includes professional development hours.

We have asked this year's speakers to provide us with their PowerPoint presentations and/or handouts to upload to our website. This link will take you to our website to view them: [2022 Speaker Presentations](#). Keep in mind that we will be updating the site as we get more speaker responses, so check back if your session isn't up yet.


We hope to see you at next year's conference, April 3-6, 2023, at the Hilton Riverside in New Orleans, Louisiana!

Certificate of Achievement

This certifies that
Eddie Harper

has been awarded 32 professional development hours for participating in
the 2022 National Hurricane Conference, April 11-14 in Orlando, Florida.

Presented by

 **The National Hurricane Conference, Inc.**

David L. Tait

David L. Tait, Executive Director



NATIONAL HURRICANE CONFERENCE, Inc.

2952 Wellington Circle
Tallahassee, FL 32309
(850) 906-9224 * Phone & Fax
www.HurricaneMeeting.com

April 29, 2022

To: Attendees of the 2022 National Hurricane Conference
Janie Joiner
Janie.joiner@baldwincountyal.gov

From: Michael Vincent, Executive Director

Re: Certificate of Achievement **in PDF format**

I am writing to thank you for your participation in the 2022 National Hurricane Conference, April 11-14, at the Rosen Centre Hotel, Orlando, FL.

We hope that your experience at the conference was a good one. Your involvement in educational conferences such as the National Hurricane Conference demonstrates a sincere commitment to the cause of increased professionalism in hurricane preparedness, mitigation and recovery. And I applaud you for taking time from your busy schedule to participate.

Attached is your Certificate of Achievement, which includes professional development hours.

We have asked this year's speakers to provide us with their PowerPoint presentations and/or handouts to upload to our website. This link will take you to our website to view them: [2022 Speaker Presentations](#). Keep in mind that we will be updating the site as we get more speaker responses, so check back if your session isn't up yet.


We hope to see you at next year's conference, April 3-6, 2023, at the Hilton Riverside in New Orleans, Louisiana!

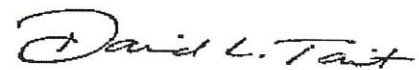
Certificate of Achievement

This certifies that
Janie Joiner

*has been awarded 32 professional development hours for participating in
the 2022 National Hurricane Conference, April 11-14 in Orlando, Florida.*

Presented by

 **The National Hurricane Conference, Inc.**



David L. Tait, Executive Director



NATIONAL HURRICANE CONFERENCE, Inc.

2952 Wellington Circle
Tallahassee, FL 32309
(850) 906-9224 * Phone & Fax
www.HurricaneMeeting.com

April 29, 2022

To: Attendees of the 2022 National Hurricane Conference
Mindy Smith
Mindy.smith@baldwincountyal.gov

From: Michael Vincent, Executive Director

Re: Certificate of Achievement **in PDF format**

I am writing to thank you for your participation in the 2022 National Hurricane Conference, April 11-14, at the Rosen Centre Hotel, Orlando, FL.

We hope that your experience at the conference was a good one. Your involvement in educational conferences such as the National Hurricane Conference demonstrates a sincere commitment to the cause of increased professionalism in hurricane preparedness, mitigation and recovery. And I applaud you for taking time from your busy schedule to participate.

Attached is your Certificate of Achievement, which includes professional development hours.

We have asked this year's speakers to provide us with their PowerPoint presentations and/or handouts to upload to our website. This link will take you to our website to view them: [2022 Speaker Presentations](#). Keep in mind that we will be updating the site as we get more speaker responses, so check back if your session isn't up yet.


We hope to see you at next year's conference, April 3-6, 2023, at the Hilton Riverside in New Orleans, Louisiana!

Certificate of Achievement

This certifies that
Mindy Smith

*has been awarded 32 professional development hours for participating in
the 2022 National Hurricane Conference, April 11-14 in Orlando, Florida.*

Presented by

 **The National Hurricane Conference, Inc.**

David L. Tait

David L. Tait, Executive Director



Appendix E-5-2

2.7 Pollution Prevention / Good Housekeeping – Emergency Management Training



Appendix E-5-3

2.7.5 Pollution Prevention / Good Housekeeping –Highway Department Training

ALDOT Annual QCI Refresher Training

2021

4.00 Course Hours

Presented to:

Michael Sharp

Baldwin Co.



Has successfully completed the certification requirements as a

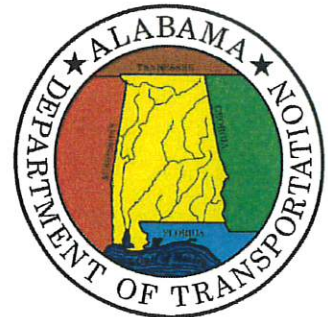
QCI # 29814

EXP.5/31/2022

ALDOT QCI Trainer

A handwritten signature in blue ink that reads "Richard Klinger".

Richard Klinger, PE



ALDOT Annual QCI Refresher Training

2021

4.00 Course Hours

Presented to:

Pete Peterson

Baldwin Co.



Has successfully completed the certification requirements as a

QCI # T0797

EXP. 5/31/2022

ALDOT QCI Trainer

A handwritten signature in blue ink that reads "Richard Klinger".

Richard Klinger, PE



ALDOT Annual QCI Refresher Training

2021

4.00 Course Hours

Presented to:

John Lundy

Baldwin Co.



Has successfully completed the certification requirements as a

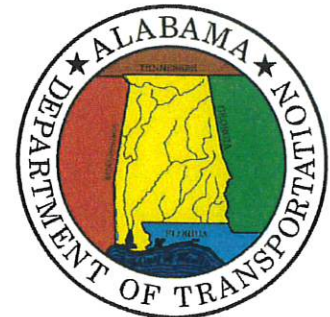
QCI # T0924

EXP.5/31/2022

ALDOT QCI Trainer

A handwritten signature in blue ink that reads "Richard Klinger".

Richard Klinger, PE



ALDOT Annual QCI Refresher Training

2021

4.00 Course Hours

Presented to:

Alfreda Jeffords

Baldwin Co



Has successfully completed the certification requirements as a

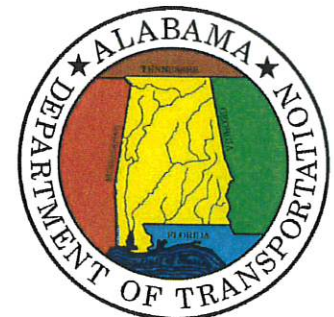
QCI # T6211

EXP.5/31/2022

ALDOT QCI Trainer

A handwritten signature in blue ink that reads "Richard Klinger".

Richard Klinger, PE



ALDOT Annual QCI Refresher Training

2021

4.00 Course Hours

Presented to:

Michael Campbell

Baldwin Co.



Has successfully completed the certification requirements as a

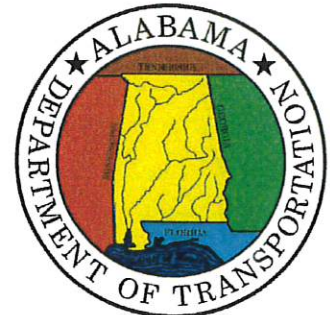
QCI # T3560

EXP.5/31/2022

ALDOT QCI Trainer

A handwritten signature in blue ink that reads "Richard Klinger".

Richard Klinger, PE



ALDOT Annual QCI Refresher Training

2021

4.00 Course Hours

Presented to:

Todd Reed

Baldwin Co.



Has successfully completed the certification requirements as a

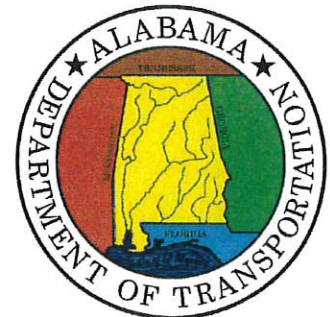
QCI # T6010

EXP.5/31/2022

ALDOT QCI Trainer

A handwritten signature in blue ink that reads "Richard Klinger".

Richard Klinger, PE



ALDOT Annual QCI Refresher Training

2021

4.00 Course Hours

Presented to:

Matthew Ulrich

Baldwin Co.



Has successfully completed the certification requirements as a

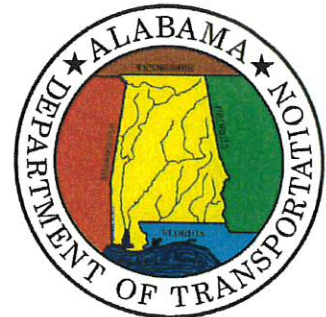
QCI # T5358

EXP. 5/31/2022

ALDOT QCI Trainer

A handwritten signature in blue ink that reads "Richard Klinger".

Richard Klinger, PE



2021 QCI Refresher

Employees Names	Day	Time	QCI #
Area 100			
Dylan Carlisle	05/25/2021	8 am – 12 pm	T3262
Kevin Carroll	05/25/2021	8 am – 12 pm	T3001
Henry Harville	05/25/2021	8 am – 12 pm	T2481
Robert White	05/25/2021	8 am – 12 pm	T4158
Robert Gentry	05/25/2021	8 am – 12 pm	T3264
Rex Phillippi	05/25/2021	8 am – 12 pm	T1054
Area 200			
Paul Penry	05/25/2021	8 am – 12 pm	T2564
Wayne Byrd	05/25/2021	8 am – 12 pm	T2777
James Allen	05/25/2021	8 am – 12 pm	T5069
Area 300			
Johnny Jackson	05/25/2021	8 am – 12 pm	T1053
Doug Acker	05/25/2021	8 am – 12 pm	T3558
Charley Weekley	05/25/2021	8 am – 12 pm	T3269
Traffic Operations			
Pete Peterson	05/25/2021	8 am – 12 pm	T0797



Appendix F-5

Parks & Recreation Training

**ALABAMA VEGETATION MANAGEMENT SOCIETY
ANNUAL MEETING AGENDA
FEBRUARY 22nd & 23rd, 2022
TUSCALOOSA, ALABAMA**

Tuesday, February 22, 2022		Tuesday, February 22, 2022		Wednesday, February 23, 2022	
6:30 AM	Registration and Jacks Biscuits with Exhibitors Sponsored by	1:00 PM	ADAI Scan In - Break with Exhibitors	7:00 AM	ADAI Scan In: Registration and Jacks Biscuits with Exhibitors Sponsored by
8:00 AM	Welcome, Board Nominations, Brian Tekulve - President, Alabama Vegetation Management Society	1:15 PM	Effective Communication to the Public - Brock Shockley, Nutrien Ag Solutions, Inc.	7:00 AM	Non-Denominational Devotion Upstairs in the Lackey Room - Michael Kelly, Central Alabama Electric Cooperative
8:15 AM	Chainsaw Safety - Tim Chennault	2:00 PM	Is the Product on My Shelf Still Good - Dr. Fred Whitford, Purdue University	7:30 AM	Pesticide Issues - Mrs. Kim Brown
9:45 AM	Break with Exhibitors Sponsored by	3:00 PM	Break with Exhibitors Sponsored by	8:15 AM	Your Voice Matters: Regarding Input and Response to EPA Changes Pertaining to Pesticide Use and Regulations (Video) - Dr. John Byrd, Mississippi State University
10:30 AM	Highlights of Pesticide Application Equipment Maintenance - Dr. Fred Whitford, Purdue University	3:45 PM	Pesticide Safety: Think Through It, Before You Do It - Mrs. Kim Brown	9:00 AM	Break with Exhibitors Sponsored by
11:30 AM	Lunch Sponsored by	4:30 PM	New EPA Certification Requirements - Dr. Fudd Graham, Auburn University Retiree	9:45 AM	Consequences of Electrical Burns - Mr. Michael Kelly, Central Alabama Electrical Cooperative
		5:00 PM	Adjourn, ADAI Scan Out	10:30 AM	Sprayer Technology for IVM on Rights-of-Way (Video) - Dr David Russell, Auburn University and Alabama Cooperative Extension
				11:30 AM	Silent Auction Results, AVMS Business Meeting
				Noon	Adjourn, ADAI Scan Out

Thanks for Attending; Have a Safe Journey Home

Brock Shockey, Vegetation Management Specialist at Nutrien Solutions has a Bachelor's degree from the University of Tennessee in Business Economics. He has worked in the Vegetation Management industry for more than 20 years. Brock specializes in roadside, utility and Department of Defense projects and enjoys working collaboratively to find solutions for VM clients throughout the Southeast. Brock is an active member of many professional organizations, including: TVMA (TN), AVMS (AL), GVMA (GA), SCVMA (SC), and has served two terms as the President of VMAK (KY). Brock is an avid college and professional sports fan and enjoys playing golf, hunting, fishing, and spending time with family and friends.

Tim Chennault ran his first chainsaw at the age of 18 while working for a power equipment shop in Jackson MS. At the age of 21, he became the service manager for a Stihl chainsaw distributor in Pearl MS. As a Stihl service manager he received training on the proper application and use on all the equipment that Stihl manufactured. The gentleman responsible at that time for training in chainsaw application, Soren Eriksson, had developed a multi-level training program called The Game of Logging. After ten years with Stihl, Tim started his own training company and became an instructor for The Game of Logging program. For the last twenty-five years, he has taught thousands of end users in proper chainsaw application in some 15 Southeast states, The Virgin Islands, and Mexico. He has provided training for companies like Georgia Pacific, Weyerhaeuser, International Paper, Entergy, and W.A Kendall. He has also worked with both the Mississippi State University and Auburn University School of Forestry and with their logger continuing education programs. Tim is currently the fulltime pastor at Lake Village Baptist Church in Lake Village AR. As the pastor at Lake Village Tim still provides chainsaw training as he considers it part of the ministry that the Lord has called and gifted him with. He has also been a volunteer fireman and EMT for the last 17 years.

Alabama Department of Transportation

Certificate of Attendance

THIS ACKNOWLEDGES THAT

JAMES MARTIN

ATTENDED THE
ALDOT VEGETATION MANAGEMENT TRAINING
OCTOBER 21, 2021
ALDOT COMPLEX
MOBILE, ALABAMA

PDH HOURS EARNED: 4



Howard Peavey

Howard Peavey
ALDOT Agronomist Manager

Alabama Department of Transportation

Certificate of Attendance

THIS ACKNOWLEDGES THAT

BURT JOHNSON

ATTENDED THE
ALDOT VEGETATION MANAGEMENT TRAINING
OCTOBER 21, 2021
ALDOT COMPLEX
MOBILE, ALABAMA

PDH HOURS EARNED: 4

Howard Peavey

Howard Peavey
ALDOT Agronomist Manager



Alabama Department of Transportation

Certificate of Attendance

THIS ACKNOWLEDGES THAT

ALFREDA LOUISE JEFFORDS

ATTENDED THE
ALDOT VEGETATION MANAGEMENT TRAINING
OCTOBER 21, 2021
ALDOT COMPLEX
MOBILE, ALABAMA

PDH HOURS EARNED: 4



Howard Peavy

Howard Peavy
ALDOT Agronomist Manager

Alabama Department of Transportation
Vegetation Management Training
2021 Program Agenda

- 8:30 A.M. Howard Peavey, ALDOT Agronomist
 - Welcome & Introductions
 - Miscellaneous Vegetation Management & Herbicide Issues
- 9:15 A.M. Logan Martin, Corteva AgroSciences
 Brock Shockley, Nutrien Ag Solutions, Inc.
 - Guidelines for Responsible Herbicide Applications
- 9:45 A.M. BREAK
- 10:00 A.M. Jacob Hodnett, ALDOT Agronomist
 - Spraying Around Sensitive Crops
- 10:45 A.M. Randy Rankin, ALDOT Herbicide Truck SME
 - Truck Updates
- 11:15 A.M. Dale Dickens, Urban Forestry Coordinator
 - Why I Shouldn't Park Under That Tree
- 11:45 P.M. LUNCH (on your own)
- 12:50 P.M. Dr. David Russell, Assistant Research & Extension Professor, Auburn University
 - Research Updates
- 1:20 P.M. Jacob Hodnett, ALDOT Agronomist
 - Truck Mounted GPS Guidance System
- 1:50 P.M. BREAK
- 2:05 P.M. Howard Peavey, ALDOT Agronomist
 - NPDES Update
- 2:35 P.M. Final Comments
- 2:50 P.M. Adjourn



Florida Department of Agriculture and Consumer Services
 Division of Agricultural Environmental Services
RECORD OF ATTENDANCE FOR CONTINUING EDUCATION UNITS (CEUs)

Rule 5E-9.029, F.A.C.

Nicole "Nikki" Fried
COMMISSIONER

Pesticide Certification Office: (850) 617-7870; FAX (850) 617-7895
 Pest Control Office: (850) 617-7997 FAX (850) 617-7967

LICENSE NUMBER(S): 2004870 Enter ALL applicable Licenses
 Include complete License number. Example CM0000

Martin James Michael
 Last Name First Name Middle Name Suffix

13871 Underwood Rd
 Mailing Address

Summerdale AL 36580
 City State Zip Code

(316-200-0191) (251-348-0135)
 Home Phone Business Phone

Date of Birth: 04/05/1964 4 Digit PIN #: _____ Program ID: 31396

Program Title: CORRECT MIX, CORRECT PLACE, AND CORRECT EXPECTATIONS

Provider: MOYE, WILLIAM

Class Location: ZEKES MARINA, 26619 PERDIDO BEACH BLVD, ORANGE BEACH, AL, 36561

Class Start Date: 07/20/2021 Class Start Time: 07:00 AM Class End Date: 07/20/2021 Class End Time: 08:30 AM

Signature of Pesticide Applicator

Date

Provider or Co-Provider: Verify number of CEUs earned in Core and in each category:

<u>0.0</u> 487 General Standards/Core	<u>1.5</u> Natural Areas Weed Mgmt	<u>0.0</u> 482 General Standards/Core
<u>0.0</u> Private Applicator - Ag	<u>0.0</u> Ornamental & Turf	<u>0.0</u> Limited Urban Fertilizer
<u>0.0</u> Aerial Application	<u>0.0</u> Raw Ag Commodity Fumigation	<u>0.0</u> Limited Wildlife Trapper
<u>0.0</u> Ag Animal	<u>0.0</u> Regulatory Inspection & Sampling	<u>0.0</u> Limited Landscape Maintenance
<u>1.5</u> Ag Row Crop	<u>0.0</u> Regulatory Pest Control	<u>0.0</u> Limited Lawn & Ornamental
<u>0.0</u> Ag Tree Crop	<u>1.5</u> Right-of-Way	<u>0.0</u> Limited Structural
<u>0.0</u> Antifouling Paint	<u>0.0</u> Seed Treatment	<u>0.0</u> Commercial Lawn & Ornamental
<u>1.5</u> Aquatic Weed Control	<u>0.0</u> Sewer Root Control	<u>0.0</u> Commercial General Household Pest Control
<u>0.0</u> Chlorine Gas Infusion	<u>0.0</u> Soil & Greenhouse Fumigation	<u>0.0</u> Commercial Termite
<u>0.0</u> Demo & Research	<u>0.0</u> Wood Treatment	<u>0.0</u> Commercial Structural Fumigation
<u>1.5</u> Forestry		<u>0.0</u> Public Health
<u>1.5</u> <u>W. Moye</u>	<u>7-20-21</u>	<u>1.5</u> MAXIMUM CEUs EARNED
Signature of Provider or Co/Provider	Date	

This record of attendance must be retained by the Certified Applicator until renewal time or uploaded at any time to the Online Renewal website: <https://aesecomm.freshfromflorida.com/>

At the time of renewal, Chapter 388, 482 and 487, Florida Statutes applicants must mail a signed copy to:

Bureau of Licensing and Enforcement
 407 S. Calhoun Street, Room 121
 Tallahassee, FL 32399-0800



Certificate of Completion

Florida Local Technical Assistance Program

James Martin

has successfully completed

Fleet Management, Planning, and Best Practices

Completion Date: February 9, 2022

Training Length: 60 minutes

Cong Chen

Florida LTAP Manager
Dr. Cong Chen

Pei-Shung Lin

Florida LTAP Director
Dr. Pei-Sung Lin



Appendix E-5-4

2.7 Pollution Prevention / Good Housekeeping – Planning & Zoning Training

BALDWIN

— COUNTY, ALABAMA —

Wetlands Training

Background:

The wetlands within Baldwin County, Alabama are an indispensable and are fragile natural resources that present significant development constraints due to flooding, erosion, and soils limitations. In their natural state, wetlands serve humanity and nature. They provide habitat areas for fish, wildlife, and vegetation; provide water quality maintenance and pollution control, flood control, erosion control, natural resource education, opportunities for scientific study, and open space and recreational opportunities. In addition, wise use of wetlands is essential to the economic well-being of Baldwin County. A considerable number of these important natural resources have been lost or impaired by draining, dredging, filling, excavating, construction activities, pollution, and other acts. Incremental or cumulative losses will, over time, destroy additional wetlands. Damaging or destroying wetlands threatens public safety and the general welfare of the Citizens of Baldwin County.

It is therefore necessary for Baldwin County to ensure maximum protection for wetlands by discouraging development activities that may adversely affect wetlands. The purpose of the wetland protection overlay district is to promote wetland protection, while accounting for varying ecological, economic development, recreational and aesthetic values and to protect wetlands from alterations that will significantly affect or reduce their primary functions for water quality, floodplain and erosion control, groundwater recharge and wildlife habitats.

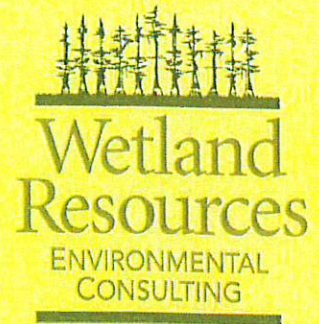
To expand County staff's knowledge of wetlands and wetland permitting, Baldwin County Planning and Zoning seeks a proposal for a two (2) hour Wetland Basics training course for all Planning and Zoning staff along with six (6) hours of field training for Code Enforcement staff.



April 16, 2022

INVOICE

Baldwin County Commission
Attn: Finance-Accounts Payable
312 Courthouse Square, Suite 11
Bay Minette, Alabama 36507



Project Description: Wetland Training for Planning & Zoning Staff

Invoice Number: 22-150

Purchase Order Number: 20223858-002

Services Provided:

- Provided a one-day training session for Baldwin County Planning and Zoning staff on basic methodology for recognizing wetlands and identifying wetland boundaries.

AMOUNT DUE **\$1,650.00**

Please remit the above amount to:

WETLAND RESOURCES
Post Office Box 2694
Daphne, Alabama 36526

Ashley Campbell
P.O. # 2022 3858-002

Thank you!



Baldwin County Purchasing Department
 312 Courthouse Square, Suite 15
 Bay Minette, AL 36507
 Federal Tax Exemption Certificate No. 63-6001408

Purchase Order

Fiscal Year 2022 Page 1 of 1

ALL ORDERS MUST HAVE A PACKING OR RECEIVING SLIP INCLUDED IN THE BOX AT TIME OF DELIVERY.

Bill To
 Baldwin County Commission
 Attn: Finance-Accounts Payable
 312 Courthouse Square, Suite 11
 Bay Minette, AL 36507

Ship To
 BALDWIN CTY PLANNING &
 ZONING
 ATTN: PLANNING & ZONING
 22251 PALMER STREET
 ROBERTSDALE, AL 36567

Purchase Order Number **20223858-002**

Purchase Order Date 03/04/2022

Department **PLANNING DEPARTMENT**

Required By 03/07/2022

Vendor 2025
 WETLAND RESOURCES ENVIRONMENTAL CONSULTING
 (JAGET, INC.)
 P O BOX 2694
 DAPHNE, AL 36526

EXEMPT FROM ALL SALES TAX. The purchase order number above must be included on all packing slips/bills of lading/invoices. Invoice immediately upon shipment.

CHANGE ORDER

VENDOR PHONE NUMBER	VENDOR EMAIL	VENDOR NUMBER	REQUISITION NUMBER	BUYER NAME	DELIVERY REFERENCE
1-251-402-6055	JAGET@ZEBRA.NET	2025	22004617	Pam Kirchharr	

NOTES

NONE
 Wetland Training for Planning & Zoning

ITEM #	DESCRIPTION	QUANTITY	UOM	UNIT PRICE	EXTENDED PRICE
1	Wetland Training for Planning & Zoning GL #: 10052730 - 51700	1.0000	EACH	\$1,650.0000	\$1,650.00

Authorized by the Chairman & Purchasing Division Commissioner in accordance to Section 8 of Act No. 239 (1931).
 ACCEPTANCE AND MODIFICATION OF AGREEMENT: This Purchase Order (P.O.) becomes a binding contract, when accepted by delivery of acknowledgement to Purchaser or by delivery of materials in whole or in part. All Purchases FOB Destination unless noted otherwise in the body of the Purchase Order. For questions call 251-937-0336.

Total Ext. Price \$1,650.00
Purchase Order Total \$1,650.00

Ashley Campbell

Subject: Wetland Training
Location: Robertsdale Central Annex- 22251 Palmer St, Robertsdale, AL 36567

Start: Fri 5/6/2022 8:00 AM
End: Fri 5/6/2022 10:00 AM
Show Time As: Tentative

Recurrence: (none)

Organizer: Ashley Campbell
Required Attendees: Robert Brown; mayor@townofperdidobeach.org; Paula Bonner; Shawn Mitchell; Gena Todia; Brenda Brock; Orié King; Buford King; Celena Boykin; D Hart; Vincent Ramer; Crystal N. Bates; Linda Lee; tylery@townofloxley.org; Mary Booth; Amy E. Galemore; Janie Joiner; Fabia.Waters
Optional Attendees: clerk@magnoliasprings-al.com; Frank Lundy; Terri L. Graham; townclerk@townofsilverhill.org; planning@summerdaleal.com; building@summerdaleal.com; Matthew Brown; Jonathan Smith; cwoerner@townofelberta.com

Baldwin County Planning & Zoning
Wetland Review Desktop Training 8:00am – 10:00am

Wetland Training Topics

- A. Importance of Wetlands and streams-
 - 1. Jurisdictional wetlands and streams
 - 2. Non-jurisdictional Wetlands(Grady ponds) and streams

- A. Tools for desktop review of wetlands and streams
 - 1. Maps for wetlands and streams BC Revenue Map, NWI, others
 - 2. Google Earth historic images
 - 3. Other desktop tools

- A. Understanding a Wetland delineation and the 3 Wetland Indicators: soil, hydrology, and plants
 - 1. Difference between wetland assessment, wetland delineation and a Jurisdictional Determination
 - 2. How Gena does a delineation....
 - a. Data sheets and wetland sampling points-How you do this
 - b. Why this is important for the USACE and us

- A. Perform a desk top review

- A. Questions

CERTIFICATE OF COMPLETION

This certificate is awarded to

Ashley Campbell

In recognition for the completion in the workshop

INTRODUCTION TO WETLAND IDENTIFICATION AND DELINEATION

JULY 26 AND 27, 2021

GRAHAM CREEK NATURE PRESERVE, FOLEY, ALABAMA

-14 TOTAL CONTACT HOURS-



Signature

July 27, 2021

Date



INTERNATIONAL CODE COUNCIL

recognizes participation in

INSPECTOR SKILLS

at

MOBILE, AL

on

NOVEMBER 9, 2021

and awards 6 Contact Hours / 0.6 ICC Continuing Education Units

to

Ashley Campbell
Please Print Name

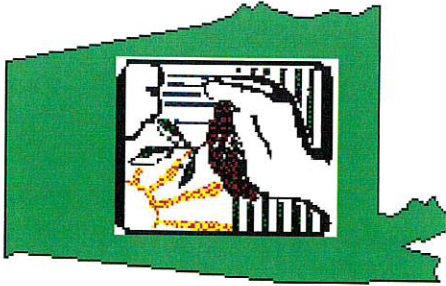
Tracy L. Lendi

Tracy L. Lendi, Ph.D., MBA
Vice President, Training and Education

[Signature]

Instructor





**Alabama Chapter
Soil and Water Conservation Society**

CERTIFICATE OF COMPLETION

This is to certify that

Ashley Campbell

was a participant in the Alabama Chapter's Annual Conference August 18-20, 2021

Resource Challenges for the Conservationist: Global, Regional, and Local

Technical Presentations, Field Study Trip, and Exhibits on August 18-20, 2021
Continuing Education Units and Professional Development Hours based on contact hours

Date	CEUs		PDUs		PDHs		PDH	
	CCA (CEU)	CPESC (PDU)	CPESC (PDU)	PE (PDH)	PE (PDH)	PG (PDH)	PG (PDH)	
August 18, 2021	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
August 19, 2021	6.0	4.0	4.0	4.0	4.0	4.0	4.0	
August 20, 2021	2.0	2.0	2.0	2.0	2.0	2.0	2.0	

Leslie Gahagan

Leslie Gahagan, President
Alabama Chapter, SWCS

Perry L. Oakes

Perry L. Oakes, P.E., Chairman
Alabama Chapter, Education Committee

University of North Alabama

Center for Learning and Professional Development

THIS CERTIFICATE OF TRAINING IS PRESENTED TO

PAULA BONNER

Who has successfully completed 4 Hours (0.4 CEUs) of training
in an Instructor-led Zoom Course

AN OVERVIEW OF COMPREHENSIVE AND REGULATORY PLANNING

Cherone Gatlin

Center for Learning
and Professional Development



July 30, 2021

Date

University of North Alabama

Continuing Education and Outreach

THIS CERTIFICATE OF TRAINING IS PRESENTED TO

PAULA BONNER

Who has successfully completed 4 Hours (0.4 CEUs) of training
in an Instructor-led Course on

An Overview of Comprehensive and Regulatory Planning

Cherome Gatlin

Continuing Education and Outreach



July 20, 2018

Date

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

PAULA BONNER

Certified Alabama Planning and Zoning Official (CAPZO) for the Recertification period
July 30, 2021 through July 30, 2022



Alabama Chapter,
American Planning Association

For successfully completing the CAPZO Recertification requirements in education and training focusing on the skills essential to an effective planning and zoning official.



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.

**UNIVERSITY OF NORTH ALABAMA
CONTINUING EDUCATION AND OUTREACH
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 CAPZO Recertification to

PAULA BONNER

**Certified Alabama Planning and Zoning Official
for the CAPZO Recertification period July 20, 2018 through July 20, 2019**

*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



University of North Alabama



Appendix E-5-5

2.7 Pollution Prevention / Good Housekeeping – Solid Waste Training



Making a World
of Difference

Master
Environmental
Educator

Amy Galemore

2021 Amy Galemore
Baldwin County Extension Office
302-A Byrne Street
Bay Minette, AL 36507
251-937-7176

Baldwin County Solid Waste Department



Amy Galemore
Deputy Solid Waste Officer I

15140 County Road 49
Summerdale, AL 36580
agalemore@baldwincountyal.gov

Office (251) 972-6878 ext. 2769
Fax (251) 972-8582
Cell (251) 243-1132

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

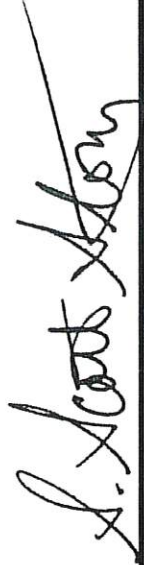
**ALABAMA LANDFILL OPERATOR
CERTIFICATION TRAINING COURSE**

Fall Forum

October 28, 2021

Wesley Pate

ATTENDEE



SOLID WASTE BRANCH CHIEF



2021 SWANA FALL FORUM
October 27-29, 2021

Presented by
Alabama Chapter of the Solid Waste Association of North America

Awarded to
Wesley Pate

CE Credits Awarded 10

Scott Story, ADEM

Scott Story, ADEM

Larry Vinson CAE

Larry Vinson CAE

CERTIFICATE OF COMPLETION

This Certifies That

Wesley Pate

Has successfully completed the

Solid Waste Facility Operator Training Course:

10/05/2021 | Online | CPE/T | Landfill Operator Continuing Profession

Education / Training
9 hours hours


Jeffrey M. Fantell

Training Program Manager

10/05/2021

Course Completion Date



As an IACET Accredited Provider, LaBella – Joyce Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.



1604 Ownby Lane, Richmond, VA 23220
www.JoyceTrainingProgram.com
800-229-1182

CERTIFICATE OF COMPLETION

This Certifies That

EUGENE PHILYAW

Has successfully completed the
Solid Waste Facility Operator Training Course:

**ALABAMA CONTINUING
PROFESSIONAL EDUCATION/TRAINING
MARCH 09, 2022 - ONLINE**

Awarded 0.9 CEUs (9 hours)

Jeffrey M. Fantell

Jeffrey M. Fantell
Training Program Manager

March 9, 2022

Course Completion Date



1604 Ownby Lane, Richmond, VA 23220
www.JoyceTrainingProgram.com
800-229-1182

As an IACET Accredited Provider, LaBella — Joyce
Training offers CEUs for its programs that qualify
under the ANSI/IACET Standard.

CERTIFICATE OF COMPLETION

This Certifies That

EUGENE PHILYAW

Has successfully completed the
Solid Waste Facility Operator Training Course:

ALABAMA 9 - HOUR CONTINUING EDUCATION

**MARCH 30, 2021
BALDWIN, AL**

Jeffrey M Fantell

Instructor—Jeffrey Fantell

03/30/2021

Date



1604 Ownby Lane
Richmond, VA 23220
www.JoyceEngineering.com

CERTIFICATE OF COMPLETION

This Certifies That

EUGENE PHILYAW

Has successfully completed the
Solid Waste Facility Operator Training Course:

ALABAMA 9 - HOUR CONTINUING EDUCATION
JUNE 30, 2020

Jeffrey M Fantell

Instructor—Jeffrey Fantell

06/30/2020

Date



1604 Ownby Lane
Richmond, VA 23220
www.JoyceEngineering.com

CERTIFICATE OF COMPLETION

This Certifies That

JT QUALLS

Has successfully completed the
Solid Waste Facility Operator Training Course:

**ALABAMA CONTINUING
PROFESSIONAL EDUCATION/TRAINING
MARCH 09, 2022 - ONLINE**

Awarded 0.9 CEUs (9 hours)

Jeffrey M. Fantell

Jeffrey M. Fantell
Training Program Manager

March 9, 2022

Course Completion Date



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Solid Waste Facility Operator Training Course:

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**MARCH 30, 2021
BALDWIN, AL**

Jeffrey M Fantell

Instructor—Jeffrey Fantell

03/30/2021

Date



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Richmond, VA 23220
www.JoyceEngineering.com

CERTIFICATE OF COMPLETION

This Certifies That

J.T. QUALLS

Has successfully completed the
Solid Waste Facility Operator Training Course:

ALABAMA 9-HOUR CONTINUING EDUCATION

JUNE 30, 2020

Jeffrey M Fantell

Instructor—Jeffrey Fantell

06/30/2020

Date



1604 Ownby Lane
Richmond, VA 23220
www.JoyceEngineering.com

CERTIFICATE OF COMPLETION

This Certifies That

JOEY MORRIS

Has successfully completed the
Solid Waste Facility Operator Training Course:

**ALABAMA CONTINUING
PROFESSIONAL EDUCATION/TRAINING
MARCH 09, 2022 - ONLINE**

Awarded 0.9 CEUs (9 hours)

Jeffrey M. Fantell

Jeffrey M. Fantell
Training Program Manager

March 9, 2022

Course Completion Date



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www.JoyceTrainingProgram.com
800-229-1182

As an IACET Accredited Provider, LaBella — Joyce
Training offers CEUs for its programs that qualify
under the ANSI/IACET Standard.

CERTIFICATE OF COMPLETION

This Certifies That

KAREN SMITH

Has successfully completed the
Solid Waste Facility Operator Training Course:

**ALABAMA CONTINUING
PROFESSIONAL EDUCATION/TRAINING
MARCH 09, 2022 - ONLINE**

Awarded 0.9 CEUs (9 hours)

Jeffrey M. Fantell

Jeffrey M. Fantell
Training Program Manager

March 9, 2022

Course Completion Date



1604 Ownby Lane, Richmond, VA 23220
www.JoyceTrainingProgram.com
800-229-1182

As an IACET Accredited Provider, LaBella — Joyce
Training offers CEUs for its programs that qualify
under the ANSI/IACET Standard.

CERTIFICATE OF COMPLETION

This Certifies That

MATT HARPER

Has successfully completed the
Solid Waste Facility Operator Training Course:

**ALABAMA CONTINUING
PROFESSIONAL EDUCATION/TRAINING
MARCH 09, 2022 - ONLINE**

Awarded 0.9 CEUs (9 hours)

Jeffrey M. Fantell

Jeffrey M. Fantell
Training Program Manager

March 9, 2022

Course Completion Date



As an IACET Accredited Provider, LaBella – Joyce Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.



1604 Ownby Lane, Richmond, VA 23220
www.JoyceTrainingProgram.com
800-229-1182

CERTIFICATE OF COMPLETION

This Certifies That

CHARLES STANFORD

Has successfully completed the
Solid Waste Facility Operator Training Course:

ALABAMA 9 - HOUR CONTINUING EDUCATION

**MARCH 30, 2021
BALDWIN, AL**

Jeffrey M Fantell

Instructor—Jeffrey Fantell

03/30/2021

Date



1604 Ownby Lane
Richmond, VA 23220
www.JoyceEngineering.com



The Solid Waste Association of North America (SWANA)

Acknowledges that

Jimmy Shiver

Has completed SWANA

Transfer Station Management Course

September 28 – October 22, 2021

Virtual Program

And has earned **30 CEU credits**

CERTIFICATE OF COMPLETION

This Certifies That

JIMMY SHIVER

Has successfully completed the
Solid Waste Facility Operator Training Course:

ALABAMA 9 - HOUR CONTINUING EDUCATION

**MARCH 30, 2021
BALDWIN, AL**

Jeffrey M Fantell

Instructor—Jeffrey Fantell

03/30/2021

Date



1604 Ownby Lane
Richmond, VA 23220
www.JoyceEngineering.com

CERTIFICATE OF COMPLETION

This Certifies That

JIMMY SHIVER

Has successfully completed the
Solid Waste Facility Operator Training Course:

ALABAMA 9 - HOUR CONTINUING EDUCATION
JUNE 30, 2020

Jeffrey M Fantell

Instructor—Jeffrey Fantell

06/30/2020

Date



1604 Ownby Lane
Richmond, VA 23220
www.JoyceEngineering.com

CERTIFICATE OF COMPLETION

This Certifies That

ANNA SPENCER

Has successfully completed the
Solid Waste Facility Operator Training Course:

**ALABAMA CONTINUING
PROFESSIONAL EDUCATION/TRAINING
MARCH 09, 2022 - ONLINE**

Awarded 0.9 CEUs (9 hours)

Jeffrey M. Fantell

Jeffrey M. Fantell
Training Program Manager

March 9, 2022

Course Completion Date



As an IACET Accredited Provider, LaBella — Joyce Training offers CEUs for its programs that qualify under the ANS/IACET Standard.



1604 Ownby Lane, Richmond, VA 23220
www.JoyceTrainingProgram.com
800-229-1182

CERTIFICATE OF COMPLETION

This Certifies That
Anna Spencer

Has successfully completed the
Solid Waste Facility Operator Training Course:

ALABAMA 9-HOUR CONTINUING EDUCATION



Jeffrey M. Ford

Jeffrey M. Ford
Training Program Manager

Date



CERTIFICATE OF COMPLETION

This Certifies That

ROY KELLEY

Has successfully completed the
Solid Waste Facility Operator Training Course:

**ALABAMA CONTINUING
PROFESSIONAL EDUCATION/TRAINING
MARCH 09, 2022 - ONLINE**

Awarded 0.9 CEUs (9 hours)

Jeffrey M. Fantell

Jeffrey M. Fantell
Training Program Manager

March 9, 2022

Course Completion Date



As an IAOET Accredited Provider, LaBella — Joyce Training offers CEUs for its programs that qualify under the ANSI/IAOET Standard.



1604 Ownby Lane, Richmond, VA 23220
www.JoyceTrainingProgram.com
800-229-1182

CERTIFICATE OF COMPLETION

This Certifies That

AMY GALEMORE

Has successfully completed the
Solid Waste Facility Operator Training Course:

**ALABAMA CONTINUING
PROFESSIONAL EDUCATION/TRAINING
MARCH 09, 2022 - ONLINE**

Awarded 0.9 CEUs (9 hours)

Jeffrey M. Fantell

Jeffrey M. Fantell
Training Program Manager

March 9, 2022

Course Completion Date



1604 Ownby Lane, Richmond, VA 23220
www.JoyceTrainingProgram.com
800-229-1182

As an IACET Accredited Provider, LaBella — Joyce
Training offers CEUs for its programs that qualify
under the ANSI/IACET Standard.

CERTIFICATE OF COMPLETION

This Certifies That

A M A N D A W H I T T I N G T O N

Has successfully completed the
Solid Waste Facility Operator Training Course:

**ALABAMA CONTINUING
PROFESSIONAL EDUCATION/TRAINING
MARCH 09, 2022 - ONLINE**

Awarded 0.9 CEUs (9 hours)

Jeffrey M. Fantell

Jeffrey M. Fantell
Training Program Manager

March 9, 2022

Course Completion Date



1604 Ownby Lane, Richmond, VA 23220
www.JoyceTrainingProgram.com
800-229-1182



As an IACET Accredited Provider, LaBella — Joyce Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.

CERTIFICATE OF COMPLETION

This Certifies That

JOANATHAN BRYARS

Has successfully completed the
Solid Waste Facility Operator Training Course:

**ALABAMA CONTINUING
PROFESSIONAL EDUCATION/TRAINING
MARCH 09, 2022 - ONLINE**

Awarded 0.9 CEUs (9 hours)

Jeffrey M. Fantell

Jeffrey M. Fantell
Training Program Manager

March 9, 2022

Course Completion Date



As an IACET Accredited Provider, LaBella — Joyce Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.



1604 Ownby Lane, Richmond, VA 23220
www.JoyceTrainingProgram.com
800-229-1182

CERTIFICATE OF COMPLETION

This Certifies That

JONATHAN BRYARS

Has successfully completed the
Solid Waste Facility Operator Training Course:

ALABAMA 9 - HOUR CONTINUING EDUCATION

**MARCH 30, 2021
BALDWIN, AL**

Jeffrey M Fantell

Instructor—Jeffrey Fantell

03/30/2021

Date



1604 Ownby Lane
Richmond, VA 23220
www.JoyceEngineering.com

2021 SWANA Spring Seminar
May 20-21, 2021

Presented by
Alabama Chapter of the Solid Waste Association of North America

Awarded to
David Deyton

CE Credits Awarded 10

Scott Story, ADEM
Scott Story, ADEM

Larry Vinson, CAE
Larry Vinson, CAE

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

ALABAMA LANDFILL OPERATOR
CERTIFICATION TRAINING COURSE

May 20, 2021

David Deyton
ATTENDEE

S. Scott Atton

ADEM SOLID WASTE BRANCH CHIEF



CERTIFICATE OF COMPLETION

This Certifies That

Brianna Davis

Has successfully completed the
Solid Waste Facility Operator Training Course:

10/05/2021 | Online | CPE/T | Landfill Operator Continuing Profession

Education / Training
9 hours hours



Jeffrey M. Fantell
Training Program Manager

10/05/2021

Course Completion Date



As an IACET Accredited Provider, LaBella — Joyce Training offers CEUs for its programs that qualify under the ANSI/IACET Standard.



1604 Ownby Lane, Richmond, VA 23220
www.JoyceTrainingProgram.com
800-229-1182

2021 SWANA FALL FORUM
October 27-29, 2021

Presented by
Alabama Chapter of the Solid Waste Association of North America

Awarded to

Ed Fox

CE Credits Awarded 10

Scott Story, ADEM

Scott Story, ADEM

Larry Vinson CAE

Larry Vinson CAE



The Solid Waste Association of North America (SWANA)

Acknowledges that

Ed Fox

Has completed SWANA

Transfer Station Management Course

September 28 – October 22, 2021

Virtual Program

And has earned **30 CEU credits**

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

**ALABAMA LANDFILL OPERATOR
CERTIFICATION TRAINING COURSE**

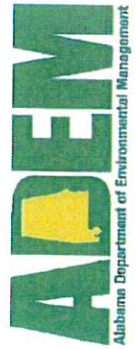
May 20, 2021

Ed Fox

ATTENDEE

S. Scott Astory

ADEM SOLID WASTE BRANCH CHIEF



2021 SWANA Spring Seminar
May 20-21, 2021

Presented by
Alabama Chapter of the Solid Waste Association of North America

Awarded to

Ed Fox

CE Credits Awarded 10

Scott Story, ADEM

Scott Story, ADEM

Larry Vinson, CAE

Larry Vinson, CAE

CERTIFICATE OF COMPLETION

This Certifies That

ED FOX

Has successfully completed the
Solid Waste Facility Operator Training Course:

ALABAMA 9 - HOUR CONTINUING EDUCATION

**MARCH 30, 2021
BALDWIN, AL**

Jeffrey M Fantell

Instructor—Jeffrey Fantell

03/30/2021

Date



1604 Ownby Lane
Richmond, VA 23220
www.JoyceEngineering.com



The Solid Waste Association of North America (SWANA)

Acknowledges that

Terri Graham

Has completed SWANA

Managing Recycling Systems

September 28 – October 22, 2021

Virtual Program

And has earned **30 CEU credits**

CERTIFICATE OF COMPLETION

for

**ALABAMA LANDFILL OPERATOR
CERTIFICATION TRAINING COURSE**

May 20, 2021

Terri Graham

ATTENDEE



S. Scott Astory

ADEM SOLID WASTE BRANCH CHIEF



2021 SWANA Spring Seminar
May 20-21, 2021

Presented by
Alabama Chapter of the Solid Waste Association of North America

Awarded to
Terri Graham

CE Credits Awarded 10

Scott Story, ADEM
Scott Story, ADEM

Larry Vinson, CAE
Larry Vinson, CAE



SWANA CERTIFIED PROFESSIONAL

This is to certify that

David Deyton

has met the Solid Waste Association of North America's requirements and passed a comprehensive examination. Therefore, SWANA hereby designates David Deyton as a:

Certified Manager
of

Landfill Management

As of Aug 27, 2021 until Aug 27, 2024

Certification No. 1694413

A handwritten signature in blue ink, which appears to read "David Biderman".

David Biderman
Executive Director & CEO

Alabama Department of Environmental Management

CERTIFICATE OF COMPLETION

for

**ALABAMA LANDFILL OPERATOR
CERTIFICATION TRAINING COURSE**

May 20, 2021

David Deyton
ATTENDEE

S. Scott Astory
ADEM SOLID WASTE BRANCH CHIEF



2021 SWANA Spring Seminar
May 20-21, 2021

Presented by
Alabama Chapter of the Solid Waste Association of North America

Awarded to

David Deyton

CE Credits Awarded 10

Scott Story, ADEM

Scott Story, ADEM

Larry Vinson, CAE

Larry Vinson, CAE


Alabama Vegetation Management Society

Certificate of Attendance

THIS ACKNOWLEDGES THAT

JAMES MARTIN

ATTENDED THE
ALABAMA VEGETATION MANAGEMENT SOCIETY ANNUAL CONFERENCE
FEBRUARY 22 AND FEBRUARY 23, 2022
BRYANT CONFERENCE CENTER
TUSCALOOSA, ALABAMA
PDH HOURS EARNED: 8


Howard Peasley
Board of Directors

