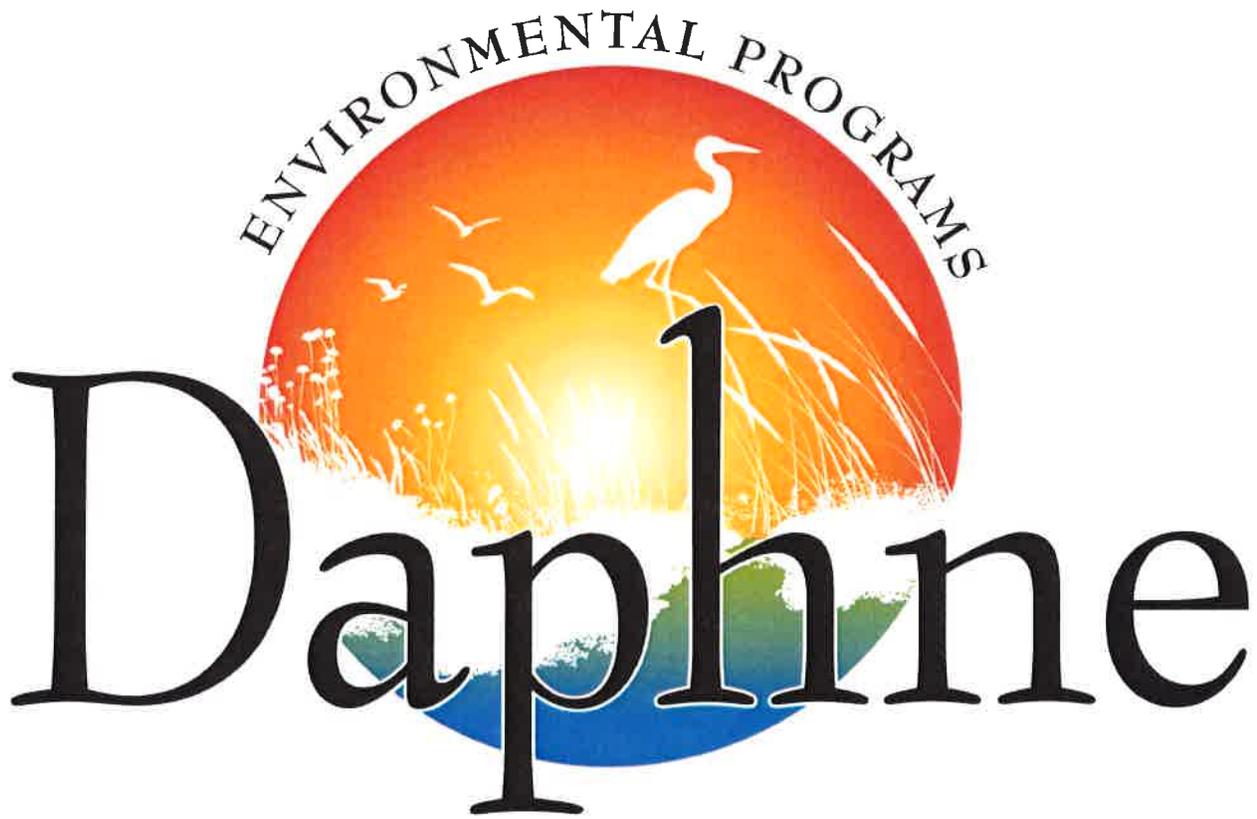


MCM 1

Education Outreach



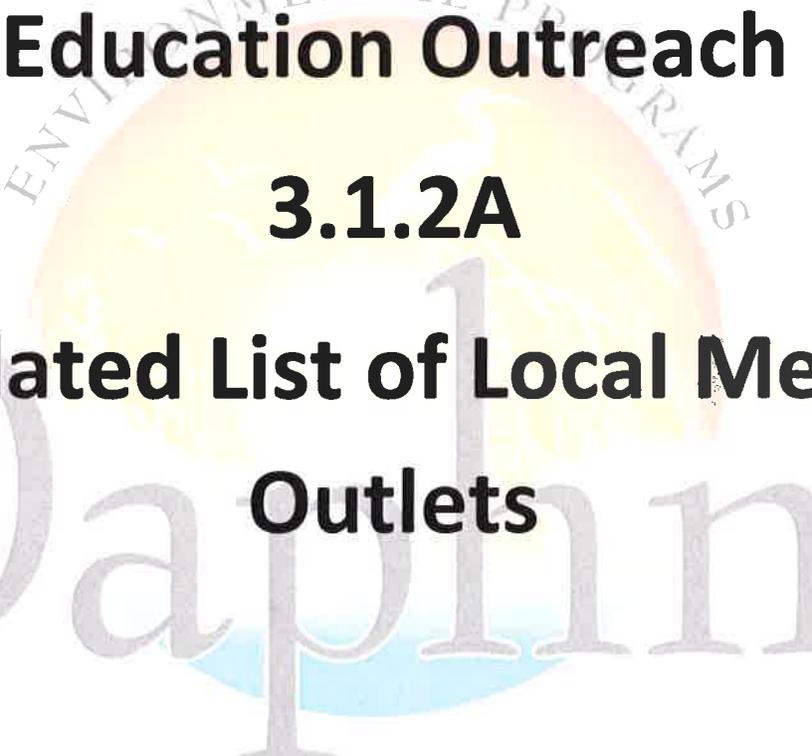
MCM 1

Education Outreach

3.1.2A

Updated List of Local Media Outlets

Daphne

The logo consists of a yellow sun with rays rising over a blue body of water. The word "Daphne" is written in a large, grey, serif font across the bottom of the sun and water. Above the sun, the words "ENVIRONMENTAL PROGRAMS" are written in a smaller, grey, sans-serif font, following the curve of the sun's top edge.

MCM 1 Education Outreach
3.1.2A List of Local Media Outlets

	Local Media Outlets for Stormwater Education	Contact
1	Bulletin	Jessica Jones
2	Coastal Connection	Tom Herder
3	Jubilee Breeze	Jane Ellis
4	Lagniappe	Gabriel Tines
5	Lake Forester	Marie Bidney
6	Mobile Press Register	Mark Anderson
7	WHEP 1210AM	Clark Stewart
8	WKRG 5 TV Station	Lauren Vargas
9	Daphne Community Magazine	Samantha Arcieri
10	Alabama Water Watch Web Magazine	Rita Grub

MCM 1

Education Outreach

3.1.2B

Local Media SW Related Publications

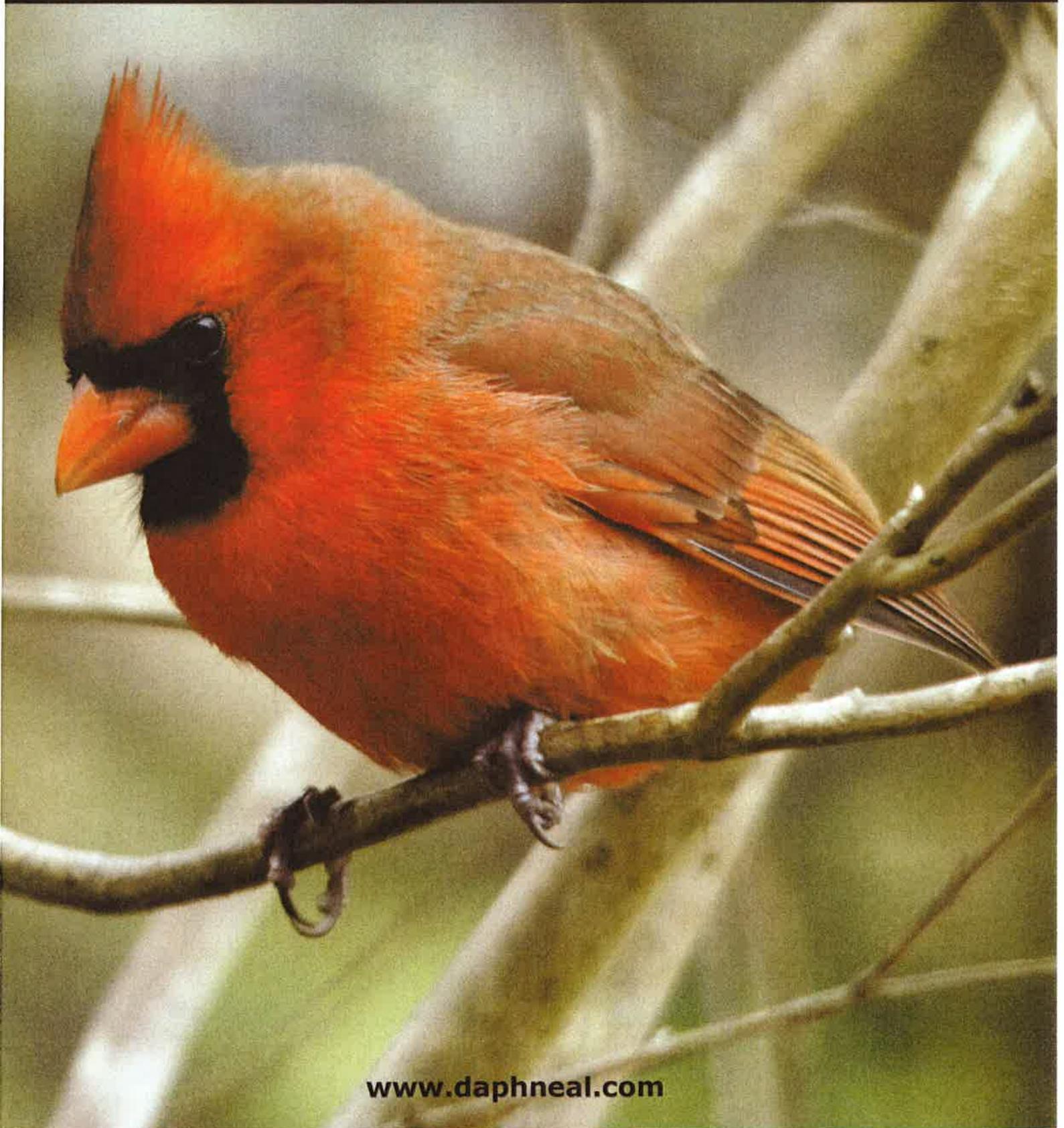


**MCM 1 Education Outreach
3.1.2B Article Submitted to Local Media**

Qty	Local Media	Date	Article Title
1	Jubilee Breeze	Jan-May 2014	Clean Water Future Add
2	Jubilee Breeze	Jan-May 2014	NFWF D'Olive Watershed Restoration
3	Jubilee Breeze	Jan-May 2014	Alabama Water Watch Partners with City of Daphne
4	Jubilee Breeze	June-December 2014	The Mobile Bay Estuary & Coastal Population Growth
5	AL.com	6/4/2014	Contractors sought for D'Olive Creek Watershed Restoration Project
6	AL.com	7/2/2014	Conservation: "Water" you Waiting for?
7	Gulf Coast News Paper	7/15/2014	Rain Barrel Workshop coming to Daphne in August
8	Alabama Water Watch	12/1/2014	Daphne Sponsors AWW
9	Daphne High School Football Program	2014-2015	Did you Know that the Daphne High School is in the D'Olive Watershed

The Jubilee Breeze

VOLUME 27 • JANUARY - MAY 2014



www.daphneal.com



Bag your grass clippings for pick up.

Fix all vehicle fluid leaks.

Wash your car off the driveway.

Don't litter, stow your trash.

These simple steps will restore and preserve our waterways for generations to come!

Rain is good. But when rain rushes over roofs, roads, fields, lawns & parking lots it collects trash and pollution. This pollution winds up in our streams, rivers and bays.

The good news is we can clean it up right now! Simple steps we can all take will help eliminate pollutants that are poisoning our waterways and threatening our future.

Join individuals, families and businesses that are making a real difference in curbing harmful stormwater runoff.



CREATE A CLEAN WATER FUTURE TODAY!

Visit CleanWaterFuture.com to download your free Clean Water Pocket Guide!

Visit CleanWaterFuture.com to find out how you can help.





RECIPIENT

Mobile Bay National Estuary Program / Marine Environmental Sciences Consortium

AWARD AMOUNT

\$6,781,000

LEVERAGE AMOUNT

\$500,000

PARTNERS

Alabama Department of Conservation and Natural Resources – State Lands Division

Alabama Department of Transportation

Geological Survey of Alabama

Baldwin County, AL

City of Daphne, AL

City of Spanish Fort, AL

LOCATION

Baldwin County, AL

AWARD DATE

November 2013

The Gulf Environmental Benefit Fund, administered by the National Fish and Wildlife Foundation (NFWF), supports projects to remedy harm and eliminate or reduce the risk of harm to Gulf Coast natural resources affected by the 2010 Deepwater Horizon oil spill. To learn more about NFWF, go to www.nfwf.org.

ALABAMA

D'Olive Watershed Restoration

This project proposes to restore degraded streams and install management measures to reduce the downstream impacts in the D'Olive watershed through a combination of stormwater retrofits, stream restorations and detailed monitoring. Stabilization of these stream segments will significantly reduce sediment loading in the northeast quadrant of Mobile Bay, improving the quality and clarity of the water necessary for re-establishing submerged aquatic vegetation (SAV) beds in the upper Bay. SAV beds provide critical nursery areas for important species of shellfish and finfish.

The watershed has faced excessive erosion and sedimentation since the 1970's that has dramatically reduced the extent of seagrass beds in portions of Mobile Bay. Stormwater runoff from new developments has significantly impacted watershed morphology, function, and hydrology causing stream channel instability, head-cutting, mass slumping, and wetlands degradation. Altered hydrology, loss of natural wetlands and riparian areas, and inadequate natural flood plains have negatively impacted aquatic and wildlife species' survival and habitat. This project would complement earlier restoration work and is part

of a broader restoration strategy envisioned in the 2002 Comprehensive Conservation Management Plan for the Mobile Bay Estuary. Work will include projects on three distinct tributaries of the D'Olive watershed and will significantly contribute to improved water quality and habitat creation in D'Olive and Mobile Bays.



Improvement in the highly impaired D'Olive Watershed (above) is critical to the ecological function of both D'Olive Bay and Mobile Bay. The project will significantly reduce the largest source of local sediments to Mobile Bay and improve conditions for degraded SAV beds (above-left).

DAPHNE CITY GOVERNMENT



Tommie Conaway
District 1
379-7057
district1council@daphneal.com



Pat Rudicell
Council President Pro-Tem
District 2
533-3527
councildistrict2@daphneal.com



John L. Lake
District 3
545-7696
councildistrict3@daphneal.com



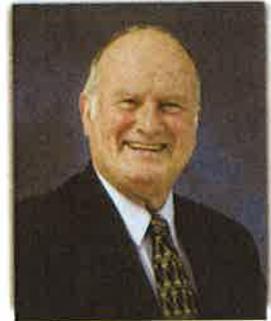
Randy Fry
Council President
District 4
525-7991
councildistrict4@daphneal.com



Ron Scott
District 5
604-3607
councildistrict5@daphneal.com



Robin LeJeune
District 6
545-7460
councildistrict6@daphneal.com



Joe Davis III
District 7
533-3531
councildistrict7@daphneal.com

WATER WATCH PARTNERS WITH CITY OF DAPHNE

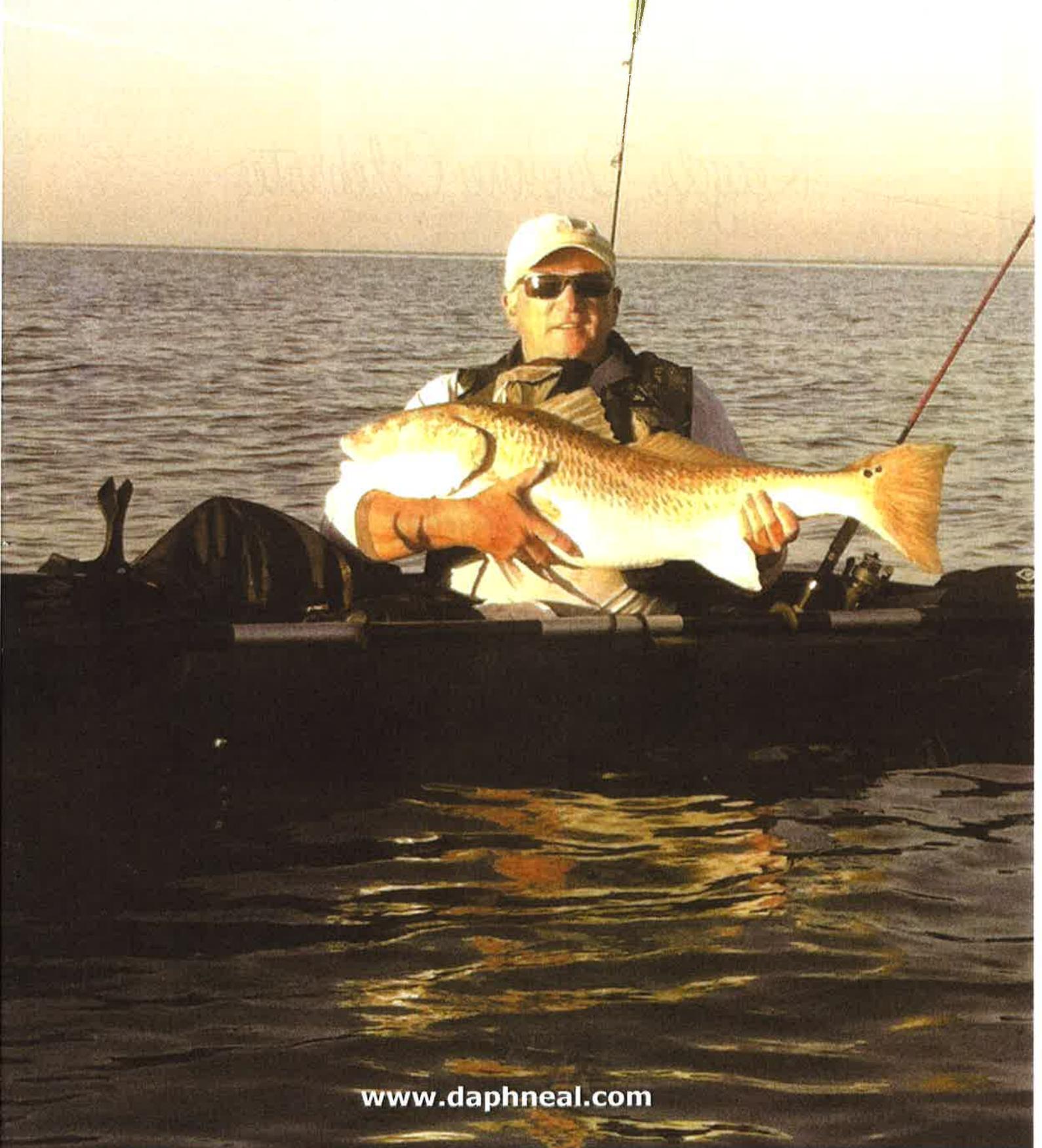


Alabama Water Watch is a citizen volunteer water monitoring program that covers all the major river basins in the state of Alabama. Since their establishment in 1992, the mission of Alabama Water Watch is to improve both water quality and water policy through citizen monitoring and action. Through the use of EPA-approved monitoring plans and a community approach, Water Watch trains citizens throughout the State to monitor the conditions of their local water bodies.

The Mobile Bay National Estuary program offers Alabama Water Watch certification training for residents interested in learning how to monitor and report local water quality conditions. If you are interested in the free training please contact Ashley Campbell, Environmental Protection Manager, at 251-621-3080.

The Jubilee Breeze

VOLUME 28 • JUNE - DECEMBER 2014



www.daphneal.com

The Mobile Bay Estuary and Coastal Population Growth

Using a watershed approach to keep what we've got

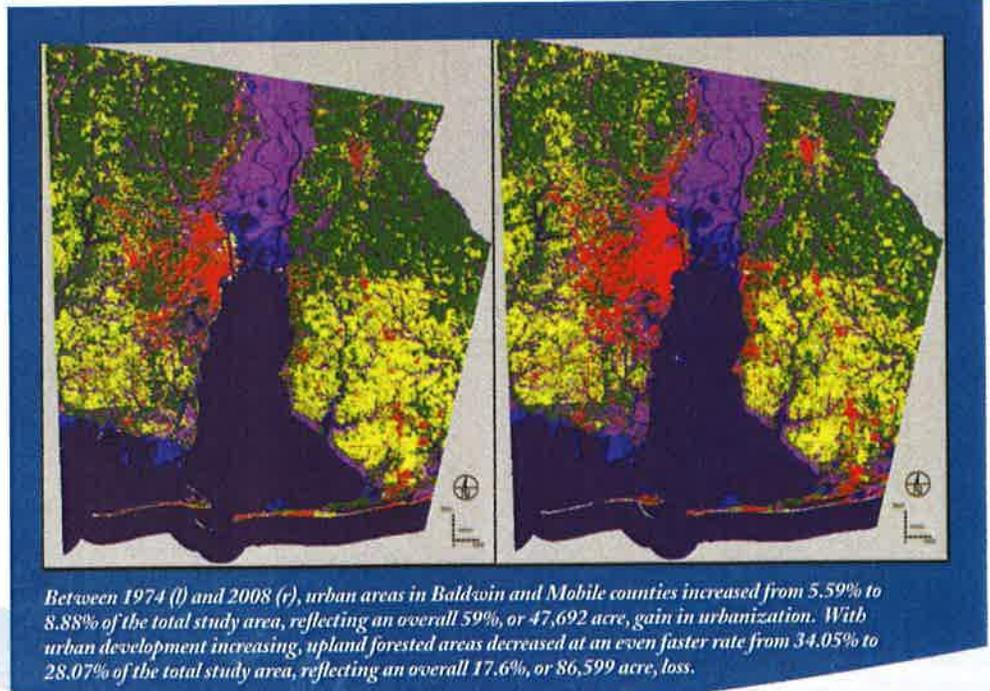
The Mobile Bay Watershed drains three-quarters of the State of Alabama, much of Georgia and Mississippi and even portions of Tennessee, making it the sixth largest basin by area with the fourth highest freshwater inflow in all of North America. At its southern terminus lies the Mobile-Tensaw Delta where all that fresh water mixes with salt water from the Gulf to form the rich, brackish waters of the Mobile Bay estuary. Its network of habitats supports the greatest diversity of species in any state east of the Mississippi River. Alabama's two coastal counties, Baldwin and Mobile, support 337 species of fish, 126 species of reptiles and amphibians, 355 species of birds and 49 species of

mammals. These habitats also support thriving shipping, tourism and seafood industries and an unparalleled quality of life for over 600,000 humans. However, the influx of people into coastal Alabama to enjoy our abundant natural resources has become the greatest threat to our way of life.

Some of the most important habitats supporting our great species diversity have suffered the most from human activities. While natural stressors like erosion, storms, droughts, fire and sea level rise underlie some habitat loss, it is what humans do that lead to the greatest losses. With over half (53%) of the nation's population drawn to live in coastal counties that make up only 17% of the total land area, increasing urbanization and conversion of natural landscapes threaten those ecological treasures, the

services and features they provide us, and especially the quality of the waters that are our greatest asset.

Understanding how natural landscapes are changed to accommodate human activities and how those changes affect habitats is necessary if we are to sustain the things we appreciate as we continue to grow. In 2008, the Mobile Bay National Estuary Program joined forces with the National Aeronautics and Space Administration (NASA) to analyze land use/land cover and percentage of impervious surface changes around Mobile Bay from 1974 through 2008. These studies use satellite imagery from different time periods to determine where and how land is used across our area and the patterns of land conversion that accompany development and urbanization.



The primary feature of development that impacts water quality is the increase in impervious surfaces – like buildings and pavement – that prevent the infiltration of rainwater back into the ground. The following diagram contrasts where rainwater ends up in a forested landscape as compared to an urban setting with 75% impervious surface.

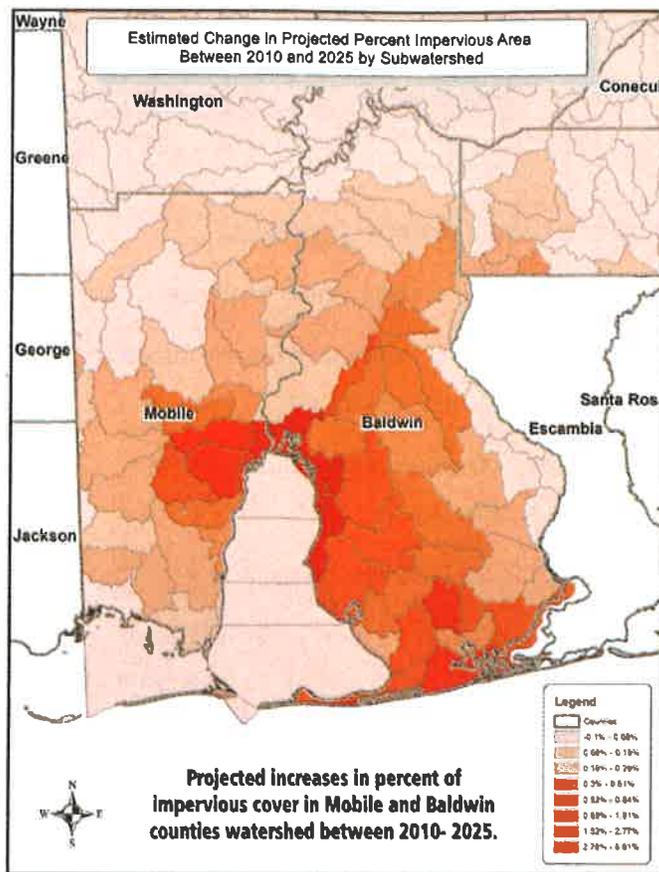
Instead of soaking in, water falling on impervious surfaces accumulates, running downhill with speed and force that erodes stream banks, causes sedimentation and carries other pollution into coastal waters. A typical city block generates more than five times more runoff than a woodland area of the same size.

Analyses like the one performed by NASA reveal the patterns by which the estuary has been urbanized over time.

The first area to exceed 25% impervious cover, the “tipping point” beyond which a drainage basin’s receiving waters are substantially degraded, was the City of Mobile, where, by 2000, its three major watersheds, Upper Dog River, Lower Dog River and Halls Mill, had each exceeded that threshold. Across the Bay in Baldwin County, areas around Daphne and Spanish Fort, Fairhope, Foley, Gulf Shores and Orange Beach are the current “hot spots” of impervious cover.

What is a watershed? John Wesley Powell, scientist geographer, put it best when he said that a watershed is “that area of land, a bounded hydrologic system, within which all living things are inextricably linked by their common water course and where, as humans settled, simple logic demanded that they become part of a community.”

Within the D’Olive Watershed, a combination of rolling topography, highly erodible soils, five-and-a-half-feet of average annual rainfall and impervious cover from “community growth” have created massive stream bank erosion and sedimentation or “bleeding”.



Due to the efforts of Spanish Fort, Daphne, Baldwin County and the many residents and businesses that participated, a comprehensive watershed management plan was developed. It is now being implemented, not only through restoration efforts, but also increased resident actions to reduce runoff and updated subdivision regulations that better address runoff management requirements.

These efforts have netted financial gains as well. Recently, the National Fish and Wildlife Foundation Gulf Environmental Benefit Fund awarded the MBNEP \$6.7 million dollars to “stop the bleeding,” a first step toward healing these streams.

As upstream municipalities like Saraland and Bay Minette emerge as new areas of urbanization, watershed planning and managing stormwater where it falls will pay dividends in protecting the habitats and water that

make coastal Alabama special. By managing at the watershed scale through community cooperation, physical characteristics of a watershed, as well as, social and economic factors associated with that watershed can be addressed, regardless of geopolitical boundary.

The Comprehensive Conservation Management Plan, Respect the Connect, recommends using the watershed management approach to enhance and restore, where possible, those things that contribute most to our coastal quality of life: access to nature and healthy beaches, ample fish and wildlife, environmental health and resilience, our area’s culture and heritage, and most importantly, the quality of the water that runs through wetlands, down rivers, and into bays and the Gulf. By working at the watershed scale, planning and projects are based in science to effectively address the issues that negatively impact a specific drainage basin. Step-by-

step, this plan provides a road map for nourishing these natural resources so what we value most now will be available to future generations. Theodore Roosevelt said, “The nation behaves well if it treats the natural resources as assets which it must turn over to the next generation, increased, and not impaired, in value.” Our first step: Protecting what we’ve got.





Contractors sought for D'Olive Creek Watershed restoration project

Michael Finch II | mfinch@al.com By Michael Finch II | mfinch@al.com

[Email the author](#) | [Follow on Twitter](#)

on June 04, 2014 at 11:57 AM, updated June 04, 2014 at 12:02 PM

DAPHNE, Alabama -- The Mobile Bay National Estuary Program has issued a request for qualifications from contractors interested in performing design services for the restoration of the D'Olive Creek Watershed.

The overall project would repair deteriorated streams and reduce the effects of sediment buildup in the northeast portion of Mobile Bay. After studying the creek, it was found that the runoff poses harm to the ecosystem and lessens the water quality.

Mobile Bay National Estuary Program, who is facilitating the restoration project, is seeking a contractor familiar with the environmental conditions of coastal Alabama and has experience in natural stream restoration and stormwater management.



Mud-laden water flows from a sediment containment pond at Westminster Gates subdivision in Spanish Fort, designed to prevent mud from flowing into Joeâs Branch, in this photo taken in 2008. (FILE)

Ben Raines, Press-Register file photo

Beset with financial challenges for so long, the effort to restore the vital watershed received a boost late last year when it **received \$6.7 million in funding from the Gulf Environmental Benefit Fund.**

That program is administered by the National Fish and Wildlife Foundation using the cash that flows from a settlement with BP after the 2010 Deepwater Horizon oil spill.

The deadline to submit applications is on June 10. Organizers plan to end the bidding process by July 20 when all selected contractors will be notified.

© 2014 AL.com. All rights reserved.



Conservation: "Water" you waiting for?

AL.com and Press-Register staff By AL.com and Press-Register staff

Follow on Twitter

on July 02, 2014 at 8:46 AM, updated July 02, 2014 at 8:47 AM

(Denise Heubach is an Extension Agents with the Baldwin County Extension Office. Contact her at dhh0006@auburn.edu or call 251-937-7176)

Alabama is a state with abundant water resources amounting to over 77,000 miles of rivers, streams and creeks. The availability of clean, freshwater drinking supplies in our rural and urban communities is often taken for granted.

As rain falls within the state, it drains through specific areas of land (watersheds) from which surface and groundwater drinking supplies are replenished and recharged. However, the final destination of rain that is not absorbed in a watershed may be the end of the line for many pollutants carried by storm water runoff from areas originating upstream.

The Mobile Bay watershed drains water from the state of Alabama including some adjacent areas of Mississippi, Georgia and Tennessee. Urban, agricultural and residential activities upstream can seriously impair the water quality for those living downstream. Impervious surfaces such as parking lots, concrete culverts or



driveways provide pathways for storm water runoff to carry pollutants such as excess fertilizers, pesticides, automotive fluids, pet wastes and other hazardous materials. Contaminated storm water runoff flowing through storm drains eventually enters our local water resources. Its devastating effects are felt economically, recreationally, but more importantly... environmentally.



The use of rain barrels to collect water for lawn and garden care is an excellent way to reduce storm water runoff and put water conservation measures into practice at the same time. (Submitted by Denise Heubach)

Through environmental awareness programs and conservation efforts, everyone can do their part to become good stewards of our natural resources and preserve them for future generations. As the hot summer months continue, so do the harvests of local fresh fruits and vegetables. Whether it be for ornamental, flower or vegetable gardens, the gardener's attention is always focused on keeping their plants hydrated.

With an annual rainfall of nearly 60 inches, Alabama's home and community gardens are prime locations for installing rain barrels. The use of rain barrels to collect water for lawn and garden care is an excellent way to reduce storm water runoff and put water conservation measures into practice at the same time. The average rain barrel holds up to 50-55 gallons of water. These barrels are quickly filled by typical afternoon rain showers that are common during this time of year in Alabama.

This relatively inexpensive addition to your home and garden will not only lower your water bill, but help the environment as well. Rain barrels are a great way to conserve our natural resources... so "water" you waiting for?

Christian Miller of the Coastal Alabama Rain Barrel Program and Denise Heubach, an Urban Regional Extension Agent with the Alabama Cooperative Extension System will be conducting a rain barrel workshop Aug. 23 at Daphne City Hall located at 1705 Main St. in Daphne from 10 a.m. until noon.

This short program on storm water management and water resource issues will be followed with the construction of the rain barrels. If you would like to participate, you must pre-register with the Auburn University Marine Center office by Aug. 20 by calling 251-438-5690. Please keep in mind that you must be able to transport your completed rain barrel home at the end of the workshop.

The cost of the rain barrel workshop is \$40 and checks must be made payable to Auburn University.

For more information about this and other environmental education programs, contact Denise Heubach with the Alabama Cooperative Extension System at 251-574-8445.

© 2014 AL.com. All rights reserved.

Rain barrel workshop coming to Daphne in August

Alabama is a state with abundant water resources amounting to over 77,000 miles of rivers, streams, and creeks.

The availability of clean, freshwater drinking supplies in our rural and urban communities is often taken for granted.

As rain falls within the state, it drains through specific areas of land (watersheds) from which surface and groundwater drinking supplies are replenished and recharged. However, the final destination of rain, that is not absorbed in a watershed, may be the "end of the line" for many pollutants carried by stormwater runoff from areas originating upstream.

The Mobile Bay watershed drains water from the state of Alabama including some adjacent areas of Mississippi, Georgia, and Tennessee. Urban, agricultural, and residential activities upstream can seriously impair the water quality for those living downstream.

Impervious surfaces such as parking lots, concrete culverts, or driveways provide pathways for stormwater runoff to carry pollutants such as excess fertilizers, pesticides, automotive fluids, pet wastes, and other hazardous materials. Contaminated stormwater runoff flowing through storm drains eventually enter our local water resources. Its devastating effects are felt economically, recreationally, but more importantly... environ-

mentally.

Through environmental awareness programs and conservation efforts, everyone can do their part to become good stewards of our natural resources and preserve them for future generations.

As the hot summer months continue, so do the harvests of local fresh fruits and vegetables. Whether it be for ornamental, flower, or vegetable gardens, the gardener's attention is always focused on keeping their plants "hydrated."

With an annual rainfall of nearly 60 inches Alabama's home and community gardens are prime locations for installing rain barrels. The use of rain barrels to collect water for lawn and garden care is an excellent way to reduce stormwater runoff and put water conservation measures into practice at the same time. The average rain barrel holds up to 50-55 gallons of water. These barrels are quickly filled by typical afternoon rain showers that are common during this time of year in Alabama.

This relatively inexpensive addition to



DENISE HEUBACH
Extension Report

your home and garden will not only lower your water bill but help the environment as well. Rain barrels are a great way to conserve our natural resources... so "water" you waiting

for?

Christian Miller of the Coastal Alabama Rain Barrel Program and Denise Heubach, an Urban Regional Extension Agent with the Alabama Cooperative Extension System will be conducting a rain barrel workshop from 10 a.m. to noon Aug. 23 at Daphne's City Hall, 1705 Main St.

This short program on stormwater management and water resource issues will be followed with the construction of the rain barrels.

If you would like to participate, you must pre-register with the Auburn University Marine Center office by Wednesday, Aug. 20 by calling 251-438-5690.

Please keep in mind that you must be able to transport your completed rain barrel home at the end of the workshop. The cost of the rain barrel workshop is \$40 and checks must be

made payable to Auburn University.

For more information about this and other environmental education programs contact Denise Heubach with the Alabama Cooperative Extension System at 251-574-8445.

Denise Heubach is Regional Extension Agent Urban I with the Alabama Cooperative Extension System. Contact her at dhh0006@aces.edu or call the Baldwin County Extension System, 251-937-7176, or at extension 2222, 251-943-5061 or 251-928-0860.

Baldwin County Extension programs are supported by the Baldwin County Commission.

The Alabama Cooperative Extension System (Alabama A&M and Auburn Universities) in cooperation with the U.S. Department of Agriculture is an equal opportunity educator and employer.

Visit the website at www.aces.edu/counties/baldwin or like the cooperative extension's Facebook page, <http://www.facebook.com/pages/Baldwin-County-Alabama-Extension> -Office/322367574484631.

CHA
KIL
STATE R
COMMITTEE
VOTE IN THE
Paid for by

AIR COND

Eastern S

Sum
\$69 Pre

\$25 SERVI
Call WARD SWE
www.Se

Sitter Referral Service

We refer sitters to assist the homebound to be as independent as possible.

- Pre-screened Sitters
- Certified Nursing Aides for the Homebound.
- Companions
- Housekeepers
- Meal Preparation
- General Home Care for the Physically or Mentally Impaired.

Now serving Mobile & Baldwin County **251.478.7377**

Fairhope Dentistry.com
Affordable

AWWareness

AWW's online newsletter

City of Daphne purchases AWW water testing kits for local volunteers

Posted on **January 12, 2015**

by Ashley Campbell, CPESC, Environmental Program's Manager, City of Daphne

The City Daphne is an ADEM permitted Phase II Municipal Separate Storm Sewer System (MS4). As part of the City's implementation of its Stormwater Management Program Plan, the City purchased water test kits to introduce citizens to volunteer water monitoring.



— Youth Leadership Program environmental field trip with local high schools – the City provided a safe location and AWW test kits for the outing.

By sponsoring the Alabama Water Watch kits, the City is increasing citizen awareness and participation in watershed stewardship. In August of 2014, the City sponsored a two-day Alabama Water Watch training event, where 25 local volunteers received their Alabama Water Watch certifications. Several of these volunteers will be sampling in the D'Olive Watershed, Daphne's most impaired watershed.



- Anna Bryant, an AWW volunteer monitor, introduces water quality monitoring to high school students using AWW test kits provided by the City of Daphne.

The D'Olive Watershed has five impaired streams. These streams do not meet their Fish & Wildlife use classification, which basically means the streams do not support healthy fish and wildlife populations, in this case, due to the excessive siltation (sediment from severe stream erosion). The City and other local partners are working hard to restore the D'Olive Watershed. The Water Watch data will be used along with other monitoring efforts to determine the success of the watershed restoration. The City is

2014

DAPHNE HIGH SCHOOL TROJANS



25

YEARS OF EXCELLENCE

Did you know that Daphne High School is in the D'Olive Watershed?

Let's protect OUR territory
Put it in the CAN Trojan fan
Only Losers LITTER.

GO TROJANS!

Let's win one for the creek!

Don't get blind-sided by dirty water.

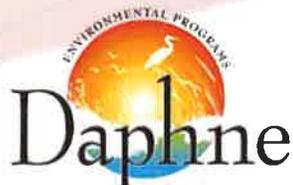
Hut Hut! Don't flick the butt! Cigarette butts are litter too.

Carry the ball! Our goal is a Clean Water Future.

Littering is like punting on 1st down.

The City of Daphne and the Mobile Bay National Estuary Program are *Creating a Clean Water Future One School at a Time*. For more information please visit www.cleanwaterfuture.com

A watershed is defined as the area of land that drains to a particular stream or waterbody.



MCM 1

Education Outreach

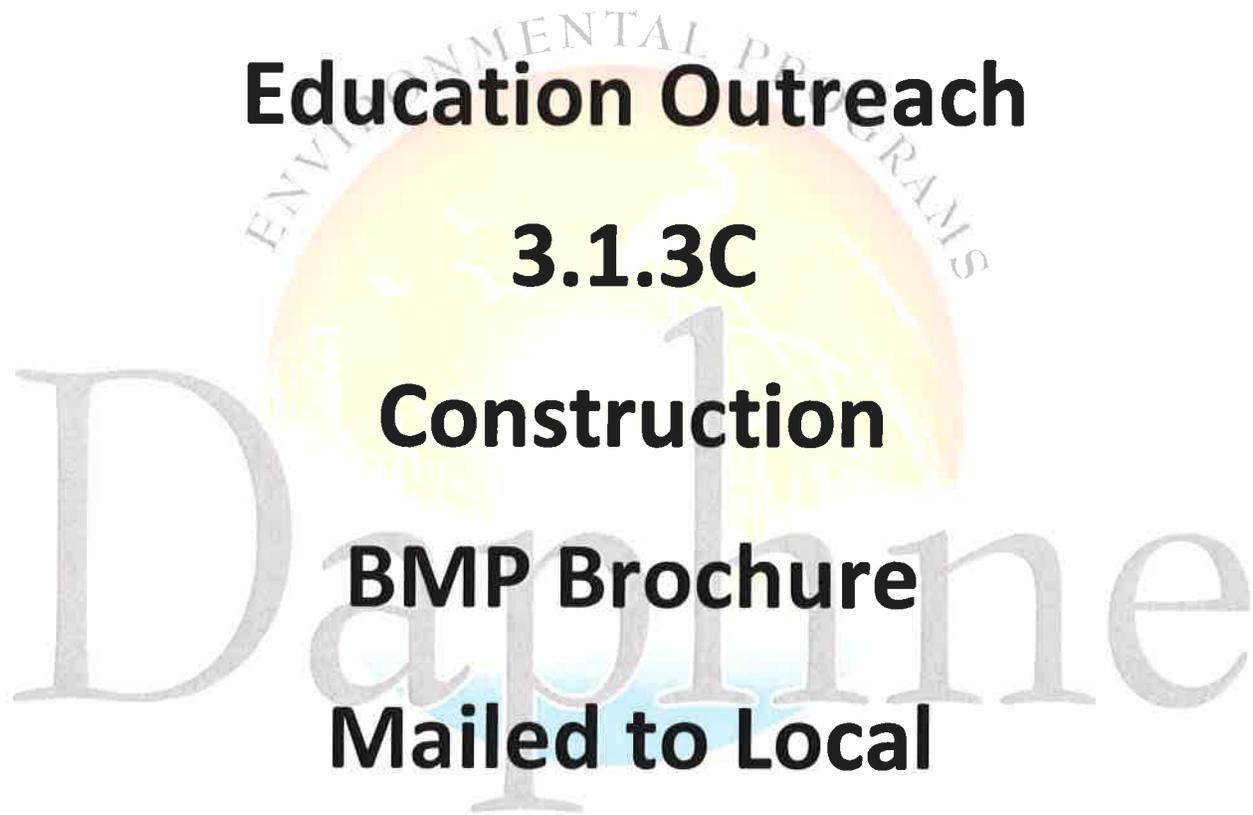
3.1.3C

Construction

BMP Brochure

Mailed to Local

Contractors



CBMPP
INSPECTION & MAINTENANCE

Your site's BMPs require inspection and maintenance. You shall:

- Ensure proper implementation, daily observation, regular inspection and continual maintenance of effective Best Management Practices to prevent offsite impacts and impacts to downstream water quality.
- In the event the Best Management Practices are found to be in need of maintenance or improvements by the City, the permittee shall commence and implement all necessary maintenance and corrective measures to the Best Management Practices within forty-eight (48) hours of notice unless prevented by unsafe weather conditions.



Thanks for protecting the environment by implementing Best Management Practices on your construction site. By stopping harmful pollutants from leaving your construction site you are **Creating a Clean Water Future** for generations to come.....visit our website at www.createacleanwaterfuture.com.



City of Daphne
PO Box 400
Daphne, AL 36526
Phone: 251-621-3080
Fax: 251-621-3719
E-mail: acampbell@daphneal.com
www.cleanwaterfuture.com



The Jubilee City

CONSTRUCTION BEST
MANAGEMENT PRACTICES
PLAN (CBMPP)



ENVIRONMENTAL
PROGRAMS

CREATING AND IMPLEMENTING
AN EFFECTIVE CBMPP



SEDIMENT IMPACTS TO STREET

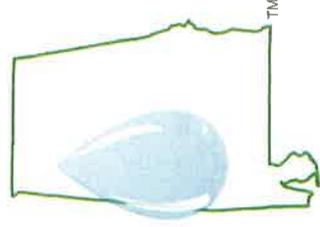


Who Should Attend

- Representatives from construction firms that utilize/install BMPs on their sites
- Road builders and engineers
- Representatives from firms that prepare erosion control/stormwater plans
- County and city engineers and/or representatives from staff
- Representatives of local Home Builders Association and Associated General Contractors
- Representatives from the Alabama Department of Transportation
- Inspectors from the Alabama Department of Environmental Management
- Representatives of Soil and Water Conservation District Boards and field employees
- City and county officials (county commissioners, city council, and planners)
- Representatives of Natural Resources Conservation Service field offices



The Alabama Erosion and Sediment Control Partnership Presents



2014 Clear Water Alabama Seminar and Field Day

For more information contact:

Earl Norton
Erosion & Sediment Control
Program Coordinator

334 728-4107

Spanish Fort, AL

October 8-9

5 Rivers Delta Resources Center



Field Day is funded in part by a Clean Water Act Section 319 grant from Environmental Protection Agency Region 4.



Colony Homes
200 Rock Creek Pkwy
Fairhope, AL 36532

Ark Builders
Ron Cuny
PO BOX 1643
Daphne, AL 36526

Home Renewers, Inc
2316 E Highpoint Drive
Mobile, AL 36693

C.P. Achee Properties
PO Box 259
Montrose, AL 36559

D R Horton Inc.
25366 Profit Drive
Daphne, AL 36526

INS Construction Inc.
707 Coleman Ave
Fairhope, AL 36532

Watcher & Co
118 General Canby Drive
Spanish Fort, AL 36527

PKD Inc.
Jeffrey Dimoff
6845 Hwy 90 E 105-302
Daphne, AL 36526

John Lassiter Home Construction
PO Box 1948
Daphne, AL 36526

Legacy Contruction
8200 Palmetto Ct
Daphne, AL 36526

Bailey Construction
9310 Timbercreek Blvd
Daphne, AL 36526

Eric Lazzari Construction
PO Box 1015
Daphne, AL 36526

Adams Homes
3000 Gulf Breeze Pkwy
Gulf Breeze, FL 32563

Eddie Youngblood Builders
PO Box 1914
Daphne, AL 36526

Lipford Construction
75 Midtown Park East
Mobile, AL 36606

Avinger & Co LLC
8866 North Ct
Spanish Fort, AL 36527

Estes Remodeling
5125 Laurendine Rd
Theodore, AL 36582

M D Price Builder LLC
1621 University Blvd A-2
Mobile, AL 36609

Fine Home Building & Renovations
23325 St Hwy 181
Daphne, AL 36526

Frostholm Construction, LLC
24375 US Hwy 98
Fairhope, AL 36532

Marquis Properties
PO Box 2463
Daphne, AL 36526

Breland Homes
2101 W Clinton Ave Ste 201
Huntsville, AL 35805

Art Lami Homes
5446 North Shore Rd
Pensacola, AL 32507

Mike McConnell Homes
PO Box 772
Fairhope, AL 36532

CDA, LLC
Po Box 241
Fairhope, AL 36533

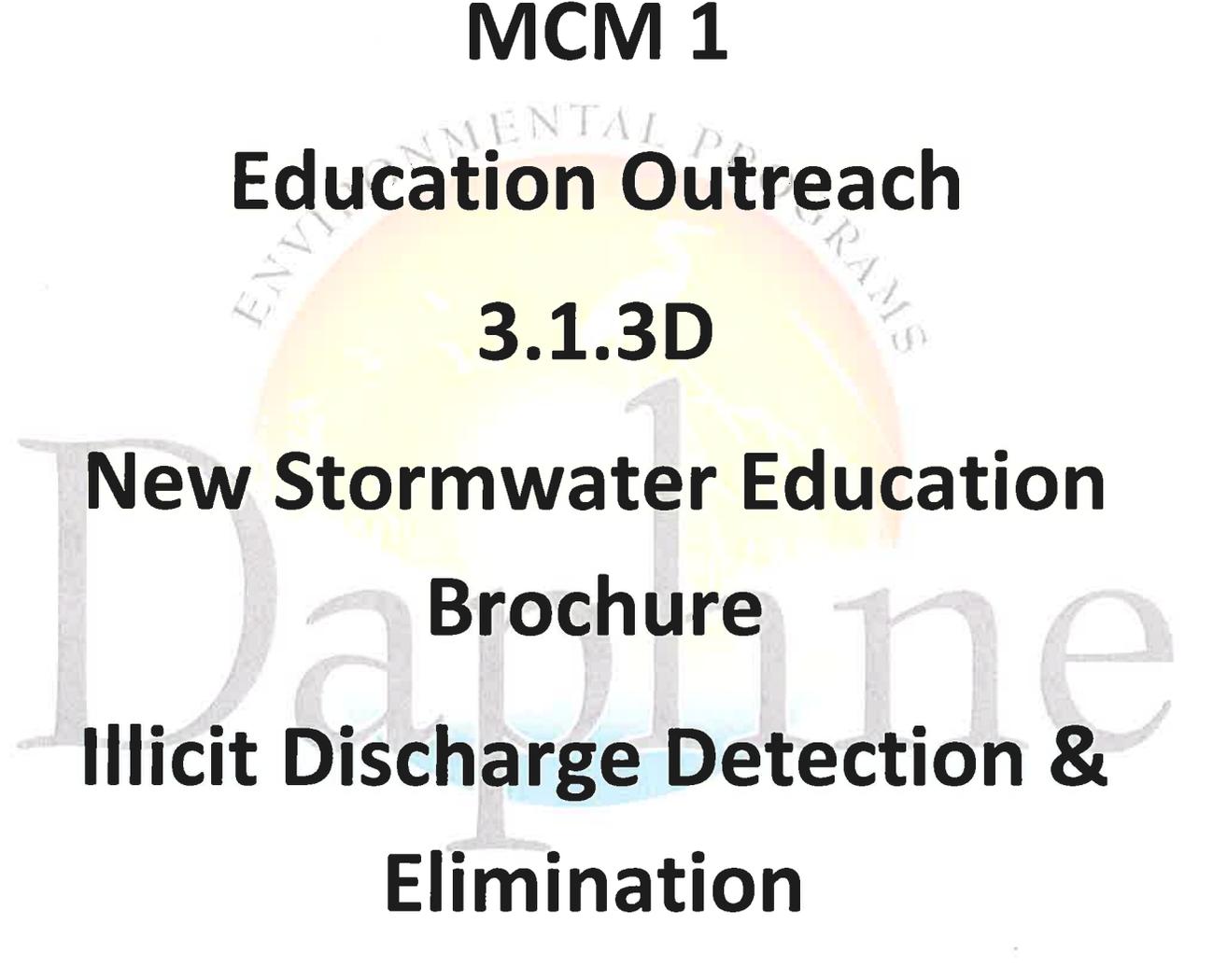
Gulf Coast Concepts LLC
5235 Kooiman Rd Bldg #8
Theodore, AL 36582

Don Gardner Construction
PO Box 1035
Semmes, AL 36575

Craig Homes
7208 Penbridge Ave
Fairhope, AL 36532

Highland Wake Construction
PO Box 1709
Orange Beach, AL 36561

Kelly Builders
406-B Pine Avenue
Fairhope, AL 36532



MCM 1
Education Outreach

3.1.3D

**New Stormwater Education
Brochure**

**Illicit Discharge Detection &
Elimination**

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 focuses on the serious issue of polluted stormwater runoff in Alabama's creeks, streams, rivers and bays and the simple steps citizens can take to help solve the problem.

The public awareness and action campaign includes public service announcements, user-friendly online resources, information, and take-action tools.

Thanks for protecting the environment.

By "Identifying and Reporting Illicit Discharges", you are *Creating a Clean Water Future* for generations to come....visit our website at www.cleanwaterfuture.com.

Daphne is working to **Create a Clean Water Future** for generations to come.....



Illicit Discharge & Detection

Easy steps to help

YOU

Create a Clean Water Future

By

Identifying and reporting Illicit Discharge!



The Jubilee City



City of Daphne Environmental

Programs

1705 Main Street

PO Box 400

Phone: 251-621-3080

Web: daphneal.com

What is an Illicit Discharge ?

The U. S. Environmental Protection defines an illicit discharge as “any discharge into a municipal, storm drain that is not composed entirely of stormwater”. Some of the pollutants that are considered illicit discharge are:

- Car wash wastewater
- Gas and motor oil
- Household cleaners, oils and grease
- Paint and paint brush wash water
- Pesticides & Weed Killer
- Leaking septic tanks
- Suspended sediment



Illicit discharges are carried through the storm drain systems by rain, wind or improper disposal to our streams. This can result in serious health and water quality problems. In addition, wildlife habitat and the appearance of City's streams can be adversely affected by the illicit discharge.

How can *You* get involved?

Identify and report illicit discharges to the City's drainage system to help preserve our streams and protect the health of your family and community..... There are three easy steps to *you* becoming part of the solution:

- Step up –** Never pour anything into our storm drains or directly into a stream; let's keep pollutants and toxins out of *our* waterways. Some easy steps to prevent illicit discharges:
- 1) Recycle all used motor oil, batteries, and antifreeze at your local auto parts. Clean up all spills with Kitty litter or saw dust and properly dispose in trash.
 - 2) Recycle used cooking oil & grease with Daphne Utilities.
 - 3) Wash your car on grass so that the water, detergent and dirt will be filtered by the soil or take your car to a commercial car wash where the dirty water is sent to the waste water treatment plant.
 - 4) Dispose of household cleaners, pesticides, and weed killers according to the labels directions. Many household products including paint, paint thinner, and solvents can be taken to Baldwin County Landfill or disposed of at the annual Household Hazardous Waste Day in January of each year.
 - 5) Make sure that washing machines drain into the sanitary sewer system. Laundry wastewater should not be piped into the yard or ditch.
 - 6) Swimming pool backwash should not be discharged directly into a storm drainage system.



Speak up – Report any illicit discharges or connections to your local government or to the appropriate agency.

Local-City of Daphne
Environmental Programs
(251) 234-7122 (Phone or text)

State – Alabama Department of
Environmental Management (ADEM)
(251) 450-3400

Federal – Environmental Protection
Agency (EPA)
1 (800) 241-1754

Follow up – Make sure that the illicit problem has been resolved by following up with the proper agency.



MCM 1

Education Outreach

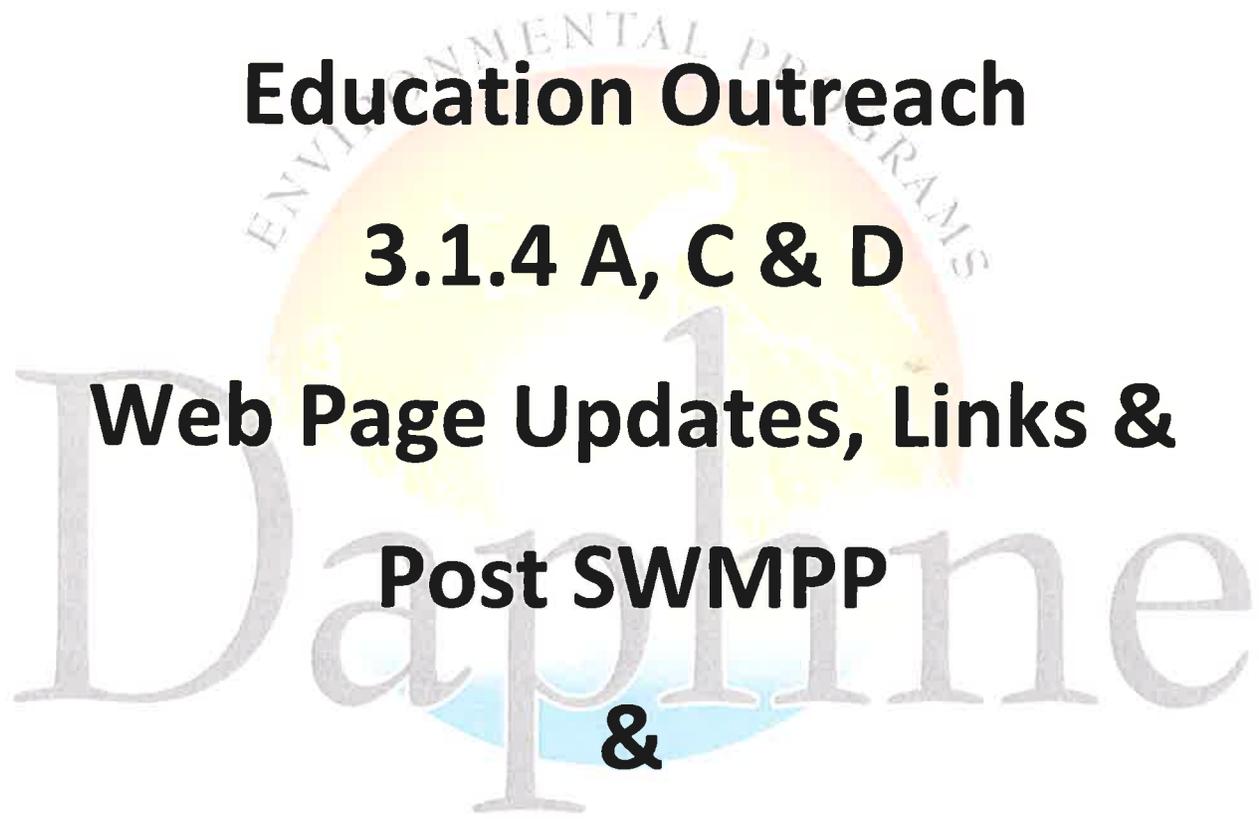
3.1.4 A, C & D

Web Page Updates, Links &

Post SWMPP

&

Annual Report



Finance / Revenue / Bids
 Building Departments
 Forms



Emergency Alerts

 Notification Sign Up

 City Departments

 Daphne Events

 Forms & Applications

 Daphne Police Department

 Fire Dept Public Education

 Daphne Animal Shelter



Thank you for visiting the City of Daphne Environmental Management page! To learn more about our efforts or to contact us, please use the menu above.

[Home](#) | [Stormwater Runoff](#) | [Watersheds](#) | [Stormwater Management](#)

Stormwater Runoff

Stormwater runoff is generated when water from rain or other precipitation flows over land or impervious surfaces (such as paved streets, parking lots, and building rooftops) and does not seep into the ground. As this runoff flows, it accumulates debris, chemicals, sediment and other pollutants that could harm water quality if it is discharged untreated into our local water bodies.

[back to top](#)

Watersheds

Information coming soon!

[back to top](#)

Stormwater Management (MS4)

Under the 1987 Clean Water Act Amendments, the U.S. EPA developed new stormwater regulations to address storm water that might impact water quality. These new regulations were set up in a two Phase National Polluted Discharge Elimination System (NPDES) permitting approach based upon population and are enforced by the U.S. EPA, delegated to most States. The expression Municipal Separate Storm Sewer System (MS4) was given to the permittees. The regulatory definition of an MS4 (40 CFR 122.26(b)(8)) is "a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains): (i) Owned or operated by a state, city, town, borough, county, parish, district, association, or other public body (created to or pursuant to state law) including special districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the Clean Water Act that discharges into waters of the United States. (ii) Designed or used for collecting or conveying stormwater; (iii) Which is not a combined sewer; and (iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2." In practical terms, operators of MS4s can include municipalities, counties, state and federal departments of transportation, and public universities.

Phase I, issued in 1990, dealt with MS4s serving an urban population greater than 100,000 people and in Alabama. There are approximately 750 Phase I MS4s in the United States (US).

Phase II, issued in 1999, requires regulated small MS4s in urbanized areas, as well as small MS4s outside the urbanized areas that are designated by the permitting authority, to obtain NPDES permit coverage for their stormwater discharges. The City of Daphne fell into this phase of permitting. There are approximately 6,700 Phase II MS4s in the US.

In Alabama, the Alabama Department of Environmental Management (ADEM) enforces the NPDES MS4 permitting program. In 2012, the City of Daphne was designated by ADEM as an owner/operator of a Phase II MS4. The City received its initial MS4 Phase II Stormwater NPDES permit ALR040039 (Link to permit) on December 21, 2011. The current permit coverage will expire on January 31, 2016.

The intent of the Phase II regulations is to reduce the adverse impacts to water quality and aquatic habitat by the development of a stormwater management program, instituting the use of controls and measurable goals for the following six stormwater related *"Minimum Control Measures (MCM)"*

- **Public Education and Outreach MCM** – The Public Education and Outreach (MCM 1) requires the City to implement and evaluate a public education and outreach program that distributes educational materials to the community or conducts equivalent outreach activities about the impacts of polluted discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff to the maximum extent practical.
- **Public Participation / Involvement** – The Public Participation / Involvement (MCM 2) requires the City to develop, implement and evaluate a public participation program centered on the City's Stormwater Management Program and its annual report. Ongoing activities for public involvement may include advisory councils, watershed associations, committees, stewardship programs and other environmental related activities.
- **Illicit Discharge Detection and Elimination (IDDE)** – The Illicit Discharge Detection and Elimination (MCM 3) requires the City to develop, implement, enforce, and evaluate a program to detect and eliminate illicit discharges and improper disposal, including spills not under the purview of another responding authority, into the City's regulated MS4 area, to the maximum extent practicable.
- **Construction Site Runoff Control** – The Construction Site Stormwater Runoff Control (MCM 4) requires the development, implementation, and enforcement of a program to reduce, to the maximum extent practicable, pollutants in any stormwater runoff to the MS4 from construction activities that result in a total land disturbance of greater than or equal to one (1) acre and activities that disturb less than one (1) acre but are part of a larger common plan of development or sale that would disturb one (1) acre or more.
- **Post-Construction Stormwater Management** – The Post-Construction Stormwater Management (MCM 5) goal is to minimize water quality impacts from new development and re-development sites by ensuring the implementation of proper Best Management Practices and their long term maintenance.
- **Pollution Prevention / Good Housekeeping** – The Pollution Prevention / Good Housekeeping for Municipal Operations (MCM 6) requires the City to develop and implement a program for pollution prevention and good housekeeping for its municipal operations. It also requires the development and implementation of an employee training program designed to prevent and reduce stormwater pollutants, to the maximum extent practicable, in areas such as parks maintenance, fleet and building maintenance, new construction and land disturbances, stormwater system maintenance, and all other applicable municipal operations.

[back to top](#)

[Home](#) | [Workshops](#) | [Watershed/Stream Restoration](#) | [Teacher's Corner](#)

Workshops

Information coming soon!



- Animal Shelter
- Parks & Recreation
- Schools & Churches
- Medical Facilities
- Utilities
- Community Development
- Senior Opportunities
- Library
- Public Works
- Human Resources
- Fire Department
- Police Department
- IT Department

- All About Daphne
- Tourism
- Bayfront Pavilion
- Civic Center

- Events Calendar
- News
- Notification Sign Up
- Photo Gallery
- Jubilee Breeze Magazine

- Finance / Revenue / Bids
- Building Departments
- Forms

- Emergency Alerts
- Preparedness
- Useful Phone Numbers
- Shelter Information
- Related Links
- Employee Notifications

- Mayor
- City Council
- Council Agenda
- Council Packet
- Ordinances
- Office of the City Clerk
- Committees
- Court



Daphne City Hall
 P.O. Box 400
 Daphne, Alabama 36526
 251 621 9000



[back to top](#)

Watershed/Stream Restoration

Information coming soon!

[back to top](#)

Teacher's Corner

Information coming soon!

[back to top](#)

[Home](#) | [Report Illegal Discharge](#) | [Press](#) | [Contact Information](#)

Report Illegal Discharge

If you believe that pollutants are being discharged into Daphne creeks, or the city's storm sewer system, please contact us using one of the following methods:

- Call our office at (251) 621-3080, or
- Fill out the [Reporting Illicit Discharge Form](#). Please submit the form by:
 - Email: acampbell@daphneal.com
 - Mail: P.O. Box 400, Daphne, AL 36526

Please ensure the following information is provided in your e-mail or voice mail:

- Name
- Address
- Phone
- Location or Address of Problem
- Type of Problem
- Date of occurrence
- Name of company and/or description of individuals involved

IF YOU ARE REPORTING AN EMERGENCY SITUATION THAT COULD RESULT IN IMMINENT AND SUBSTANTIAL DANGER TO THE HEALTH AND SAFETY OF PERSONS, PLEASE DISREGARD THE FORM AND CALL 911.

The City of Daphne provides this service to allow concerned citizens to file e-mail or telephone/voice mail reports regarding the discharge of pollutants to rivers, creeks, and the storm sewer system within the city limits of Daphne. A tracking number will be assigned to each complaint received and an investigation initiated. The results of the investigation and any actions taken shall be documented and submitted to ADEM in the City's annual storm water program report.

Note: Anonymous complaints received by e-mail or telephone, or complaints with unverifiable contact information cannot be investigated. It is the policy of the City of Daphne to keep contact information confidential.

False Complaints

Please remember that reporting violations of environmental laws is a serious matter, and could result in criminal and/ or civil sanctions being assessed against the person or company being reported. Knowingly or intentionally making a false complaint is a violation of Alabama Law.

[back to top](#)

Press

Click [here](#) to sign up to receive Daphne Environmental Management updates and alerts!

News Articles

- [Algae Systems](#): working with Daphne Utilities to produce fuel from sewage

[back to top](#)

Contact the Environmental Programs Manager

Information coming soon!

[back to top](#)

[Home](#) | [Brochures](#) | [Links](#) | [Documents](#)

Brochures

Information coming soon!

[back to top](#)

Links

- [Clean Water Future](#) : A public service campaign to help Alabamians 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 Mesothelioma Center \(Asbestos.com\)](#) : The Mesothelioma Center is an asbestos awareness group that works to educate the public about the dangers of asbestos. Asbestos can cause many different diseases including lung cancer and mesothelioma. This organization works with those afflicted by asbestos-related diseases and helps them find local doctors, treatment centers and support groups, all free of charge. Their website has the most up to date information on the topic including Alabama specific information.

[back to top](#)

Documents

- [2014 City of Daphne Stormwater Management Programs Plan](#)
- [2014 City of Daphne MS4 Water Quality Monitoring Plan](#)
- [City of Daphne MS4 Permit](#)
- [City of Daphne MS4 Phase II Permit Modification](#)

MS4 Phase II Annual Reports:

- **2013-2014 Annual Report**
 - [Compliance Chart – Goals & Achievements](#)
 - [MCM 1 Compliance](#)
 - [MCM 2 Compliance](#)
 - [MCM 3 Compliance](#)
 - [MCM 4 Compliance](#)
 - [MCM 5 Compliance](#)
 - [MCM 6 Compliance](#)
 - [Water Quality Monitoring Compliance](#)
- **2012-2013 Annual Report**
 - [Compliance Graph](#)
 - [MCM 1 Compliance](#)
 - [MCM 2 Compliance](#)
 - [MCM 3 Compliance](#)
 - [MCM 4 Compliance](#)
 - [MCM 5 Compliance](#)
 - [MCM 6 Compliance](#)

[back to top](#)



Created by
PACSYNC

MCM 1

Education Outreach

3.1.5B

Host Workshop

Annually

Daphne

ENVIRONMENTAL PROGRAMS

MCM 1 Education Outreach
3.1.5B Hosted or Sponsored Workshop

Title of Workshop	Date	Location
Daphne Rain Barrel Workshop	8/23/2014	Daphne City Hall-Daphne
Alabama Water Watch Training	9/27-28/14	Daphne Recreation Center-Daphne
Clear Water Alabama	11/8-9/14	Five Rivers-Spanish Fort
GPs Training	11/19-20/14	Fire Training Center Daphne

Registration Form (please print, one person per form)

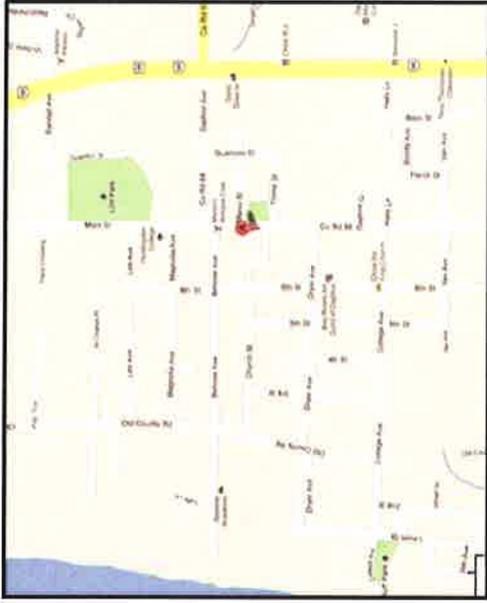
Name: _____
 Company: _____
 Address: _____
 City _____ ZIP _____
 Phone: _____
 EMAIL: _____

If you wish to complete a rain barrel to take home, you must register by: **Thursday, Aug 21**
 It is necessary to RSVP in order that we can plan on having enough materials for all participants.
 Workshop cost is \$40 and includes one rain barrel, additional rain barrels are available for \$40 each.

- * You must be prepared to take your barrel home after the workshop
- * We do not sell rain barrels, barrels are provided only to workshop participants
- * Check or Money Order **MUST** be made payable to: Auburn University.

Please indicate how many barrels you plan to purchase: _____

Mail registration and Payment to:
 Coastal Alabama Rain Barrel Program
 Auburn Marine Center
 118 North Royal Street
 Suite 800
 Mobile, AL 36602



Saturday, August 23, 2014

10:00 AM—12:00 PM

**Daphne City Hall
 1705 Main St.**

Daphne, AL, 36526

Presented by:

**Auburn University Marine Extension
 & Research Center**

**118 North Royal St
 Suite 800**

Mobile, AL 36602

Phone: 251.438.5690

Fax: 251.438.5670

For more details:

email Christian Miller

christian@auburn.edu

Rain Barrel Workshop

**Saturday, August 23, 2014
 10:00 AM-12:00 PM**



**Daphne City Hall
 1705 Main St.
 Daphne, AL, 36526**

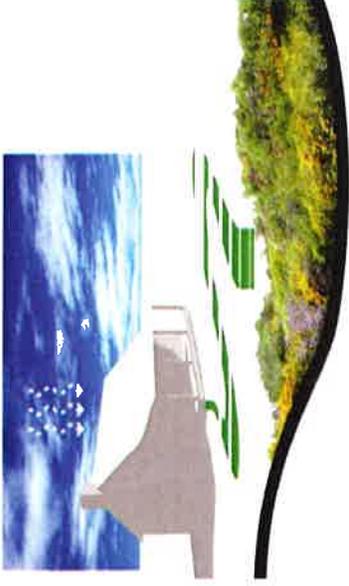




The Jubilee City



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. The rain, once it hits the ground is called stormwater. 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.



Rain Gardens allow storm water to infiltrate before it reaches storm drains. Diverting rainwater runoff into rain gardens from our roofs, driveways, and other impervious surfaces helps improve the water quality in our local streams, while at the same time creating a visually pleasing feature for your landscape. For more information on rain gardens visit: <http://adem.alabama.gov/programs/water/waterforms/LIDHandbook.pdf>.



For more information on how you can help Create a Clean Water Future for generations to come, visit: [www. cleanwaterfuture.com](http://www.cleanwaterfuture.com)

Plants Suitable for Coastal Alabama Rain Gardens

Common Name	Scientific Name
Orange Coneflower	<i>Rudbeckia fulgida</i>
Scarlet Rose Mallow	<i>Hibiscus coccineus</i>
Virginia Sweetspire	<i>Itea virginica</i>
Red Buckeye	<i>Aesculus pavia</i>
Dwarf Palmetto	<i>Sabal minor</i>
Golden Aster	<i>Pityopsis graminifolia</i>
Muhly Grass	<i>Muglenbergia capillaris</i>
Stokes Aster	<i>Stokesia laevis</i>
Virginia Iris	<i>Iris virginica</i>
Coral Bean	<i>Erythrina herbacea</i>
Southern Shield Fern	<i>Thelypteris kunthii</i>
Pyramid Magnolia	<i>Magnolia pyramidata</i>
Shiny Blueberry	<i>Vaccinium myrsinites</i>

For a complete plant list consult the Alabama Smart Yards handbook or contact the Baldwin County Extension Office (251) 937-7176 .

City of Daphne Environmental Programs

251-621-3080



Stokes Aster



Black-Eyed Susan

Alabama Water Watch Volunteer Monitoring Workshops

Becoming a volunteer water monitor is a great step to protecting and restoring local water quality.

Come get certified as an Alabama Water Watch Water Chemistry and/or Bacteriological Monitor in two workshops sponsored by the Mobile Bay National Estuary Program.

AWW Bacteriological Monitoring Workshop

Friday, Sept. 26th 5:30pm – 8:30pm

Detect levels of E. coli in water as an indicator of fecal contamination. Determine if water is safe for drinking, swimming, and aquatic life.

AWW Water Chemistry Monitoring Workshop

Saturday, Sept. 27th 9:00 am – 3:00 pm

Test physical and chemical characteristics of water to determine pollution sources and long-term trends in water quality.

Where: Daphne City Hall
1705 Main Street
Daphne, AL 36526

For more information or to register, go to the Workshop Registration section of www.alabamawaterwatch.org or call the AWW Office at 334-844-4785 (**pre-registration required**)

These workshops are offered free of charge and qualify for Continuing Education Units through Auburn University.



Who Should Attend

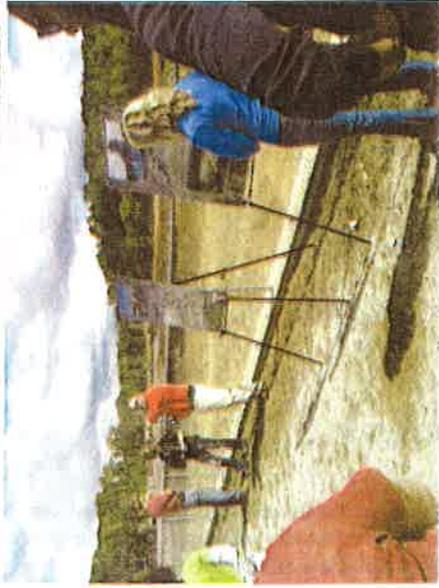
- Representatives from construction firms that utilize/install BMPs on their sites
- Road builders and engineers
- Representatives from firms that prepare erosion control/stormwater plans
- County and city engineers and/or representatives from staff
- Representatives of local Home Builders Association and Associated General Contractors
- Representatives from the Alabama Department of Transportation
- Inspectors from the Alabama Department of Environmental Management
- Representatives of Soil and Water Conservation District Boards and field employees
- City and county officials (county commissioners, city council, and planners)
- Representatives of Natural Resources Conservation Service field offices

For more information contact:

Earl Norton

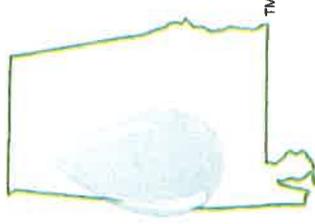
Erosion & Sediment Control
Program Coordinator

334 728-4107



Field Day is funded in part by a Clean Water Act Section 319 grant from Environmental Protection Agency Region 4.

The Alabama Erosion and Sediment Control Partnership Presents



2014 Clear Water Alabama Seminar and Field Day

Spanish Fort, AL

October 8-9

5 Rivers Delta Resources Center



[Sign In](#)
[Create an Account](#)
[0 Cart](#)
[Full Site](#)
[Site Maps](#)
[Go](#)

Authorized Trimble Dealer

[News](#) [Forms](#) [Contact](#) [About Us](#)

Solutions

Training

TRAINING

- [Surveying](#)
- [Construction](#)
- [Mapping/GIS](#)
- [Marine](#)
- [Mobile Computing](#)
- [NEI Custom Cases & Cables](#)
- [Positioning Services](#)
- [Public Safety](#)
- [RFID](#)
- [Subsurface Solutions](#)
- [Trimble Environmental](#)
- [Vehicle and Asset Tracking](#)

NEI offers a variety of options designed to meet your schedule and training needs for your surveying or mapping & GIS applications. Whether it's a regularly scheduled training course, electronic learning, or customized on-site training at your location, you can rest assured that you will be learning from the industry's best.

GPS Training – Data Collection & Processing – November 19th & 20th, 2014 – Daphne, AL (All 4 Modules)

Date: 11/19/2014 | Start: 8:00AM | End: 6:00PM

Got GPS Training? NEI is excited to offer 4 new Advanced Geospatial Workshops in Daphne, AL on November 19th & 20th. Join us for these specialized technical workshops focusing on Trimble's TerraSync and GPS Pathfinder Office software, and you will leave being more productive using streamlined workflows and more...

[+ More Information](#) [+ Share](#)

Training Calendar

Oct 2014						
Mon	Tues	Wed	Thurs	Fri	Sat	Sun
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

< Previous Next >

GPS Training – Daphne, AL – Module 1: Field Data Collection Using Trimble TerraSync Software

Date: 11/19/2014 | Start: 8:00AM | End: 5:00PM

Get advanced GPS Training – Field Data Collection Geospatial Workshop using Trimble TerraSync Software Wednesday November, 19th, 2014 – 8am – 12pm. Are you a new Trimble user? Maybe you just need a quick refresher on field data collection. Or you want to get the most out of using the...

[+ More Information](#) [+ Share](#)

Training Links

- [+Trimble Learning Center](#)
- [+Trimble Solution Center](#)

Have a question?

- [+ View all questions answered](#)
- [+ Ask A Question](#)

Recent Questions

How do I export my TerraSync data files to an Esri shapefile directly from my handheld GNSS device?

[+ View](#)

If I have Trimble hardware with Cellular capabilities, can I use a SIM card with pre-paid data plans?

GPS Training – Daphne, AL – Module 2: Creating Effective Data Dictionaries + Working With Pictures

Date: 11/19/2014 | Start: 12:00PM | End: 5:00PM

Creating an effective Data Dictionary and working with Pictures Wednesday, November 19th, 2014. 1pm – 5pm. Have you been collecting data using the 'Generic' data dictionary (DDF) inside of TerraSync? Are you tired of filling out that paper form? Maybe you want to add in some intelligent data capture to your...

[+ More Information](#) [+ Share](#)

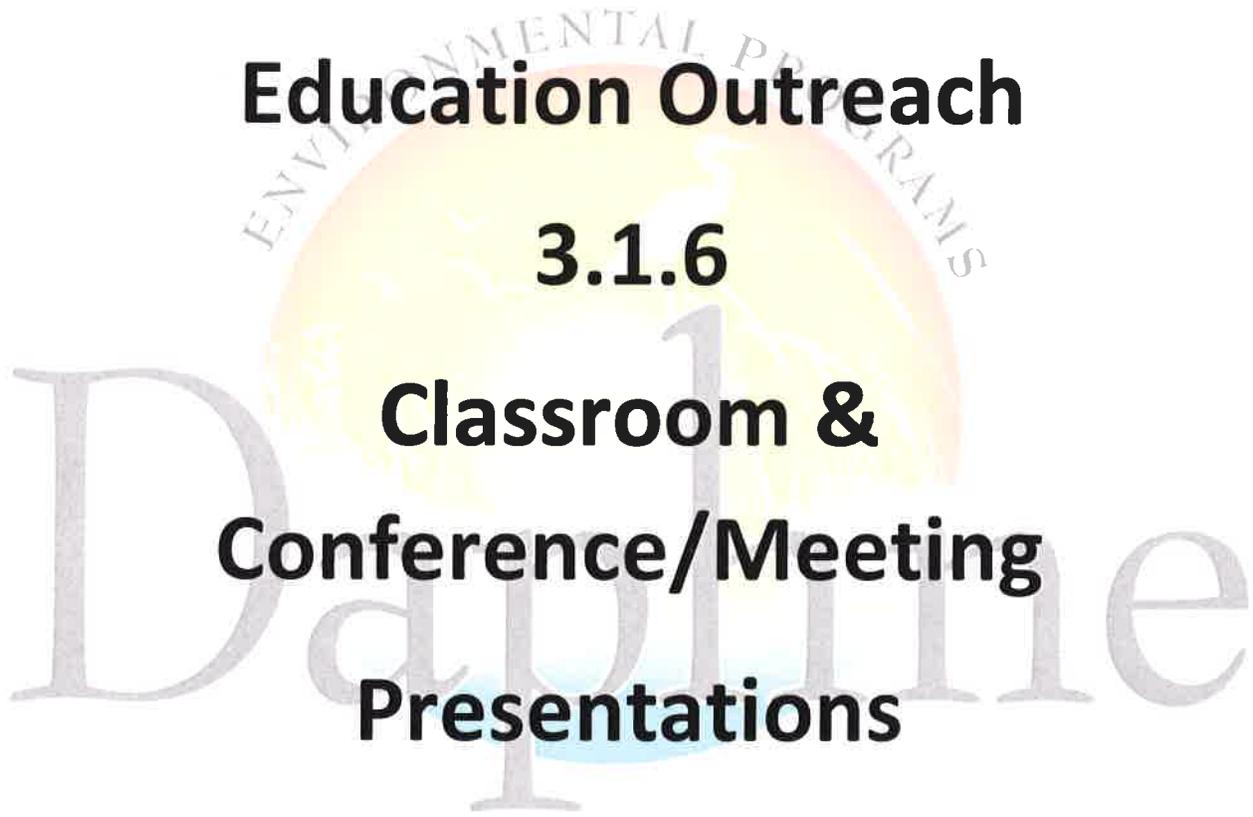
GPS Training – Daphne, AL – Module 3: Processing Data in Trimble GPS Pathfinder Office

MCM 1

Education Outreach

3.1.6

Classroom & Conference/Meeting Presentations



Low Impact Development Summit

April 9-10, 2014

April 9		Presenters
10 am	Welcome and Introductions	Eve Brantley, AL Coop. Extension System
	Overview of LID	
	Planning is Critical	Charlene LeBleu, Auburn University
	Engineering Design Considerations	Jason Zink, Zink Environmental, PLLC
	Regulatory Perspective	Jeff Kitchens, ADEM
Noon	Lunch (provided)	
1 pm	Putting together the pieces: LID in Alabama	
	Hewitt -Trussville High School	Rick Nail, PE, and Curtis Eatman LBYD, Inc.
	Railroad Park, Birmingham	Lea Ann Macknally, Macknally Land Design
	Joe's Branch, Spanish Fort	Ashley Campbell, City of Daphne
	Bioretention Parking, City of Auburn	Justin Steinmann, City of Auburn
3 pm	Break	
3:30 pm	Breakout sessions	
	Developing a GI Plan (Phase I & II communities)	* Missy Middlebrooks, ADEM
	Community Buy In	* Eve Brantley, ACES
	Retrofit (Constrained Environments)	* Sam Fowler, Auburn University
	Design & Engineering (New Development)	* Jason Zink, Zink Environmental, PLLC
	Codes, Ordinances & Planning	* Charlene LeBleu, Auburn University
5 pm	Adjourn	
April 10		
8 am	Breakout session reports, synthesis, discussion	
9:30 am	City of Atlanta - Lessons Learned - Getting Buy In for LID	Cory Raburn, City of Atlanta, Environmental Program Manager
10:30 am	Using State Revolving Funds for LID	Samantha Sims, ADEM
11 am	Adjourn	

Ashley Campbell

From: Eve Brantley <brantef@auburn.edu>
Sent: Monday, March 31, 2014 10:53 AM
To: Ashley Campbell
Cc: Katie Dylewski
Subject: LID Summit Presentation
Attachments: Agenda_Low Impact Development Summit_March31.docx

Dear Ashley,

Thank you for agreeing to present at the LID Summit that will be held April 9-10 in Clanton, AL.

Your presentation is part of the afternoon session - Putting together the pieces: LID in Alabama.

We'd like for you to focus on the multi-jurisdictional and program coordination lessons learned and perspectives related to the Joe's Branch case study. You are scheduled to speak for 25 minutes on April 9 at 2 pm with 5 minutes for questions.

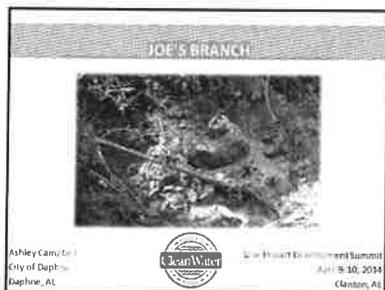
This will help set the stage for the afternoon breakout sessions that will identify obstacles and opportunities for the implementation of LID in Alabama.

Please review the attached agenda to let us know how you'd like to have your name and affiliation listed.

Best,

Eve

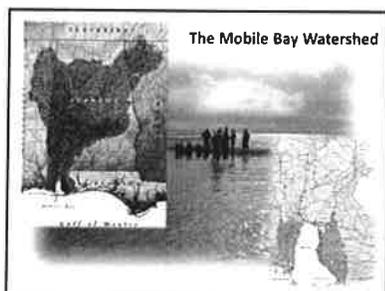
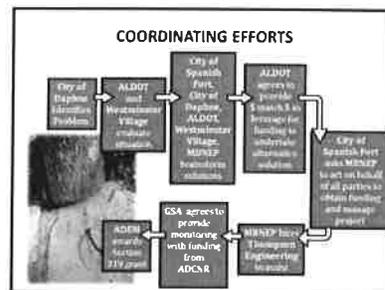
brantef@auburn.edu
cell - 334-740-4425



THE CHALLENGE

THE STAKEHOLDERS

- ADCR
- ADEM
- ALDOT
- Baldwin County
- City of Eugene
- City of Spanish Fort
- CACW
- Cypress/Spanish Fort LEP
- GSA
- Lake Forest Improvement Committee
- Lake Forest FCA
- Marsh Properties
- MENE
- MASC
- NCS
- State Rep Randy Davis
- Toronoke Properties
- USACE
- USFWS
- US Rep Joe Bonner

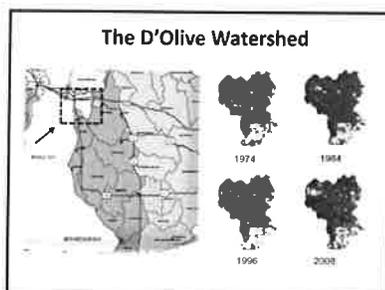


IMPLEMENTATION

BASELINE

PLAN

IMPLEMENTATION



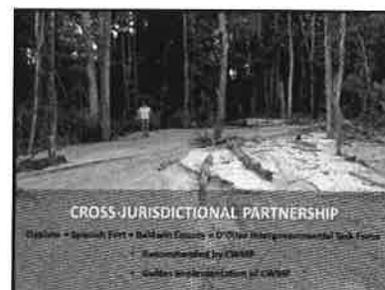
CRISIS LOOMING...

*A tributary to Joe's Branch
...Threatening a highway*

Filler

- City of Daphne
- City of Spanish Fort
- ALDOT
- Westminster Village (Property Owner)
- GSA
- ADCR
- MENE
- Thompson Engineering

ADEM Section 319 Grant



A NEW WAY OF MANAGING STORMWATER

TRADITIONAL is defined as:	WATERSHED is defined as:
<ul style="list-style-type: none"> ✓ Damage Systems ✓ Reactive (Solve Problems) ✓ Engineer-driven ✓ Protect Property ✓ Pipes and Convey ✓ Bureaucratic Decisions ✓ Local Government Ownership ✓ Narrow Scope of Work (projects have only) 	<ul style="list-style-type: none"> ✓ Ecosystems ✓ Proactive (Prevent Problems) ✓ Interdisciplinary Team-Driven ✓ Protect Property and Resources ✓ Mimic Natural Processes ✓ Consensus-Based Decisions ✓ Partnerships with Others ✓ Holistic Scope of Work (everyone involved can find work)

Source: Comprehensive Planning, as Contributed by World WaterNet



THE MOBILE BAY NATIONAL ESTUARY PROGRAM

Mission: To provide the wise stewardship of the water quality and living resources of Alabama's estuaries

- Funded by U. S. EPA, State, local governments and private interests
- One of 28 "Nationally Significant estuaries" in the United States
- In existence for 28 years
- Guided by a Comprehensive Conservation Management Plan (CCMP)
- Coordinates interests and efforts of many to resolve past impacts and improve future management of estuarine resources



□ JOE'S BRANCH VIDEO



The Story Continues...

U.S. EPA Watershed Restoration

Estimated Costs
Watershed Restoration
13 Stream Segments located in
D'Olive Creek
Joe's Branch
Tarassee Creek
Total: \$ 6,781,000

Partners
City of Spanish Fort
City of Ozone
Baldwin County
Private Landowners
ALDOT, ADEM, GSA
Mobile Bay NEP

Restorations in progress.
Final investment not only over \$1,000,000



Cor
Audience
Board in
active long
Feedback
Discussion
Toward



Robertsdale Central Annex II
 Highway Department
 MS4 Training
 August 27, 2014

FRANK LUNDY

BCHD

251-937-0371

Name	Organization / Company	Contact Phone #/ Email Address
Charley Weekley		
Charley Weekley	BC	251-454-6917
Adam Horville	BCHD Area 300	251-331-0649
Dylan Carlsle	BCHD Area 100	251-689-7842
Henry Horville Jr	BCHD Area 100	(251) 234-8400
Mark [unclear]	BCHD Area 100	(251) 937-0211
Kenny Crook	BCHD Area 100	(251) 689-0674
Michael Smith	BCHD Area 200	251-972-8509
Gabriel McWatters	BCHD Area 200	251-972-8509
Zach Barna	BCHD Area 200	(251) 972-8509
Kenny Boyd	BCHD -200	(251) 972-8509
Celina Boykin	P+Z	580-1655
Vince Jackson	P+Z	580-1655 vjackson@baldwincountyd.gov
JOE RYAN	P+Z	580-1655
Pete Peterson	BCHD	331-1684
Jeremy Howell	BCHD	202-1048
Tyler Mitchell	BCHD	251-232-6624 ttmitchell@baldwincountyd.gov
Troy Smith	BCHD	251-802-9303
Johnny Jackson	BCHD	251-972-8330
TIM BUCHANAN		

**Eastern Shore Chamber Youth Leadership Program
Environmental Field Trip - October 22, 2014**

Key Concepts

A healthy economy is dependent upon a healthy environment.

Quality of life on the eastern shore is tied directly to water quality.

Environmental projects and programs rely on diverse partnerships, with contributions from a variety of career fields and industries.

Schedule

- 8:00 Meet at Winn Dixie in Daphne, Load Bus (8:15 departure)**
- 8:30 Water Quality Test site—D'Olive Watershed (location will be close by to Daphne Winn Dixie)**
Helping and speaking: Ashley Campbell, Environmental Services Manager, City of Daphne
TODO: Groups will have a specific test to do after instructions are discussed
- 9:30 Load Bus**
- 10:00 Bee Natural Organic Farm – Fairhope, AL (County Rd 44 between 98 and 181)**
Speaker and Tour Guide: Justin Taylor w/ help from his volunteers
Topics: What is Organic farming, what does it look like, why is it important, etc
2 groups separately will be toured through and whole group will get a question & answer session
- 11:45 Load Bus - Head to Weeks Bay Resource Ctr for lunch**
Speakers:
Topics:
- 12:00 Eat Lunch**
- 12:30 Weeks Bay Pontoon boat ride/Soil discussion**
Eric Brunden, Stewardship Coordinator, WBNERR
Topics: Estuary as an ecosystem; Water Quality
Sandy Page w/ helpers – Soil Scientist ,USDA/Natural Resource Conservation Service
- 2:00 Load Bus, Return to Daphne Meeting Location (2:45)**

Safety and Comfort Guidelines

Come in clothes/shoes to get wet

Students should be prepared to get wet up to their hips.

Students should bring water bottles and may want to bring sunscreen, bug spray, a towel, and an extra pair of shoes (to change into after the water activities).

Notes:

Lunch (Sunflower café) will be delivered to Bee Natural and we will take it to WBR with us.

Water Quality: 1 hour max - We will travel to a safe location on the D'Olive Watershed. Students should already be dressed for activity. With some initial discussion about water quality and about

**AACD 72nd Annual Meeting
Perdido Beach Resort
Sand Castle I
November 17, 2014**

9:45 AM	Welcome and Purpose of Meeting	Jack Wadsworth, Chairman
10:05 AM	Introductions – members and guests	Self introductions
10:10 AM	Review Minutes from April 10-11, 2014	Handout
10:20 AM	Opportunities in Urban Conservation	
	1) Panel Discussion on Low Impact Development	Christian Miller, Diane Guthrie, Eve Brantley
	2) Workshops offered through ACWP	Allison Jenkins
	3) Baldwin Co. SWCD Successes	Frank Trione
10:30 AM	Old Business	
	1) Actions Items from 2014 Mid-Year Meeting	Ben Malone, ASTC
	2) Support of Low Impact Development	Jack Wadsworth
	3) Support of Clear Water AL Seminars/Field Days	Earl Norton
10:45 AM	New Business - Discussion of Actions	
	1) Committee Support for LID – the next steps	Jack Wadsworth
	2) Committee Support for ACWP & Clear Water AL	Allison Jenkins/Earl Norton
11:15 AM	Plan Mid-Year Committee meeting for 2015	Committee
11:30 AM	Election of Officers	Committee
11:45 AM	ADJOURN	

Urban Conservation - definitions approved January 16, 2013

1. The **“SWCD Urban Conservation “Program”**: Assisting small, non-agricultural landusers and city/county/community leaders in sound protection, development and use of natural resources including soil, water, air, plants, animals and energy.
 2. **Urban Conservation “On the Land”**: Protecting, developing and using natural resources in towns, cities and small non-agricultural ownerships by applying measures that benefit the users and the environment.
-

Long Term Goals of Committee - from minutes of July 10, 2012

1. Encourage SWCDs to broaden their perspective and support urban conservation however practical.
2. Develop and support a proposal for a state cost share program to address urban conservation problems.
3. Promote the use of Clean Water Act 319 funds to address non-point source water quality problems.

Ashley Campbell

From: autaugaswcd@aol.com
Sent: Monday, December 01, 2014 11:54 AM
To: Ashley Campbell
Subject: Thank You

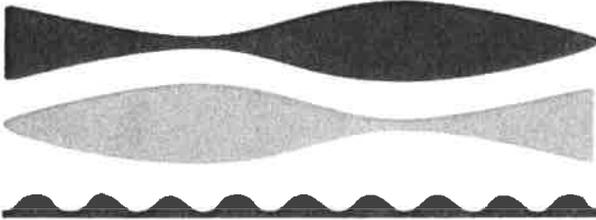
Ms. Campbell,

I would like to personally thank you for participating in the AACD Urban Conservation Committee meeting as a guest speaker. It is always nice to hear others' successes on conservation efforts. If our committee members can be of any help to you in the future, don't hesitate to contact me at jnw1944@att.net or on my cell at (334) 850-4655.

Again, thank you for your participation.

Jack N. Wadsworth
Urban Conservation Committee Chairman

Sent from Windows Mail

BAYS *&*
BAYOUS

SYMPOSIUM 2014

Building Blocks of Coastal Resilience

PROGRAM

December 2-3, 2014
Arthur R. Outlaw Mobile Convention Center

Agenda

Tuesday—December 2, 2014

- 7:00 – 7:50 a.m. Registration – Concourse Lobby
Breakfast – West Ballroom
- 7:50 – 9:15 a.m. Welcome, Plenary and Keynote Presentation – West Ballroom
Justin Ehrenwerth, Executive Director, Gulf Coast Ecosystem Restoration Council
“Update on Gulf Coast Ecosystem Restoration Council Activities”
Scott Hardaway, Marine Scientist Supervisor, Virginia Institute of Marine Sciences
“Living Shorelines: An Historical Perspective from Chesapeake Bay”
- 9:15 – 9:25 a.m. Break to Sessions
- 9:25 – 10:30 a.m. Concurrent Sessions
- Water Quality – Room 201D
 - Living Resources – Room 201C
 - Habitat Management – Room 201B
 - Resilient Communities – Room 201A
 - Monitoring, Modeling, and Communities – Room 202B
- 10:30 – 10:50 a.m. Break
- 10:50 – 11:50 a.m. Concurrent Sessions Continue
- 12:00 – 1:30 p.m. Lunch and Keynote Presentation – West Ballroom
Cynthia Jones, Director, Center for Quantitative Fisheries Ecology at Old Dominion University
“Managing Fisheries in Chesapeake Bay: An Example of the Challenges for Bays and Bayous”
- 1:30 – 2:50 p.m. Concurrent Sessions Continue
- 2:50 – 3:10 p.m. Break
- 3:10 – 4:50 p.m. Concurrent Sessions Continue
- 5:30 – 7:00 p.m. Poster Presentation and Reception – Poster Area (See Symposium Floor Plan below.)
- 7:00 – 8:30 p.m. Evening Social and Guest Presentation – West Ballroom
Ari Daniel – Award-winning freelance and NPR science journalist and producer
“An Ecosystem of Stories: Using Narrative to Bridge a Gulf”

Wednesday—December 3, 2014

- 7:30 – 8:00 a.m. Registration – Concourse Lobby
Breakfast – East Ballroom
- 8:00 – 9:30 a.m. Welcome and Keynote Presentation – East Ballroom
Holly Bamford, Assistant Secretary for Conservation and Management, U.S. Dept. of Commerce,
NOAA “The Building Blocks of Coastal Resilience”
- 9:30 – 9:40 a.m. Break to Sessions
- 9:40 – 10:40 p.m. Concurrent Sessions
- Water Quality – Room 201D
 - Living Resources – Room 201C
 - Habitat Management – Room 201B
 - Resilient Communities – Room 201A
 - Monitoring, Modeling, and Communities – Room 202C
- 10:40 – 11:00 a.m. Break
- 11:00 – 12 noon Concurrent Sessions Continue
- 12:00 – 2:00 p.m. Lunch, Recap, and Keynote Presentation – East Ballroom
Winston Groom, American novelist, non-fiction author, and native Mobilian
- 2:00 – 4:30 p.m. Monitoring and Indicators Panel and Discussion – Patti Powell, Moderator; and Luiz Barbieri,
Maria Dillard, John Lehrter, and Mark Woodrey, Panelists
- 4:30 p.m. Adjourn



Why Daphne?

As an ADEM Permitted Phase II Municipal Separate Storm Sewer System the City is always looking for ways to affordably reach its permit goal of educating and involving citizens in ways to improve our local streams water quality (watershed stewardship).

The City has an extensive Storm Water Management Program Plan (SWMPP) which details the goals and strategies for reaching our citizens with this effort. The City of Daphne's has embraced the effort by partnering with the Create a Clean Water Future team. We are using the education outreach materials to educate our newly elected officials, our city employees and the citizens Daphne.

Our goal is to assist in promoting the campaign to a State Wide Level. Education is the key to a successful MS4 Program...

What is Create a Clean Water Future ?

Create a Clean Water Future is a public awareness 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 focuses on the serious issue of polluted stormwater runoff in Alabama's creeks, streams, rivers and bays and the simple steps Alabama's citizens can take to help solve the problem.

The public awareness and action campaign includes public service announcements, user-friendly online resources and information, and take-action tools.

The Basics!

The campaign starts with the basics of stormwater and builds from there...

When rain runs over roads, roofs, lawns and parking lots collecting motor oil, gasoline, chemicals and trash it's called stormwater runoff...

National assessments conducted by EPA reveal that non-point source pollution is responsible for 1/3 to 2/3 of existing and threatened impairments of the Nations waters.



How Can You Get Involved?

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

Step up – Whether it's on the boat, in the backyard, or on a walk with the dog, taking simple steps every day to keep pollutants and toxins out of our waterways can have a huge impact.

Speak up – Let your voice be heard with local officials, policymakers, and the media to make sure stormwater runoff is on the agenda.

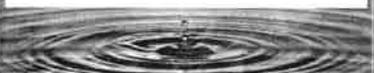
Follow up – If you see trash, erosion, or other signs of stormwater runoff, report it to local environmental and regulatory organizations.

The Need for Education!

Mobile Bay National Estuary Program (MBNEP)-
Through watershed planning discovered a need for stormwater education.

The Partners

The Create a Clean Water Future campaign was developed by the Coastal Alabama Stormwater Team (CAST), a coalition of community leaders and organizations working together to help communities in coastal Alabama address one of the biggest challenges to our way of life – stormwater runoff.



Why Should You Care?

The streams, bays, rivers and oceans belong to you...and water quality has a direct impact on your quality of life.

Alabama's Water Resources by the Numbers

- Alabama ranks 7th in the United States for its number of stream miles.
- Alabama has 77,242 miles of river and stream channels.
- Alabama has 3,627,600 acres of wetland and 563,000 acres of ponds, lakes, and reservoirs.
- 33.5 trillion gallons of water are withdrawn annually from streams, rivers, and reservoirs to supply drinking water to 56% of the population in Alabama.
- Alabama's rivers are amongst the most biologically diverse waterways in the world: 38% of North America's fish species, 43% of its freshwater gill-breathing snails, 51% of its freshwater turtle species, and 60% of its freshwater mussel species are native to Alabama's rivers.
- The Alabama Fisheries Association estimates that Alabama's water based recreation industry brings over \$1 billion per year into the state's economy.
- The Mobile Bay watershed covers approximately 65% of the state of Alabama and portions of Mississippi, Georgia, and Tennessee.

It was developed and designed to be adopted by organizations, government agencies, businesses & grassroots groups to offer a consistent approach to stormwater education.

It is a FREE tool that anyone can use!

Examples of how to use the Create a Clean Water Future Campaign



Campaign Kit

Resources

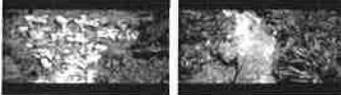
Campaign Kit

- Brochure
- Newsletters & Flyers
- Business Cards
- Postage (2014) PDF
- Full Page Ad (2014) PDF
- Full Page Ad (2015) PDF
- Full Page Ad (2016) PDF

Ides on

- High School Student Paper Mail
- Mail Boxes Etc.
- Local Events

Videos



Sharing the Message

- Advertise using the Full and Half Page Ads in your current newsletter or neighborhood flyers.
- Use in place of your existing business advertising space.
- Add logo, print Ads and PSAs onto your website.
- Use on current billboard space.
- Print logos on your current materials such as letterhead or give-a-way items.
- Use as part of your MS4 compliance, (where applicable)
- Create personalized taglines:
 - (Personalize here) We are Creating A Clean Water Future by discontinuing the use of plastic bags and providing only free reusable bags to our customers
 - (Your logo here) We are Creating A Clean Water Future by being a Trash Free Community.

You can customize any of the advertising materials to include your logo, mission statement and ways that YOU are Creating A Clean Water Future.

CWF Advertisement



Clean Water Future Video



CWF Advertisement



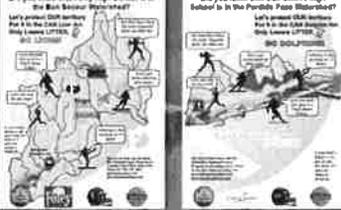
CWF Advertisement



Pocket Guide

- Print the pocket guide and distribute at events or leave at public locations such as libraries, grocery/convenience stores, banks.
- Use the pocket guide as advertisement.
- Hand out at community events or leave at welcome centers.
- Place the pocket guide in each of your city, business or personal vehicles for easy access to important information.
- Distribute at your local schools.
- The options are endless!

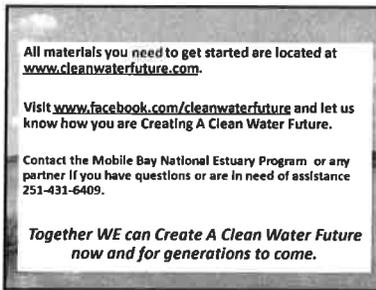
CWF Advertisement



CWF Advertisement

Thompson High School Creating A Clean Water Future





MCM 1

Education Outreach

3.1.7C

Watershed Signage

Yancey Branch



SIGN SPECS

Size (W x H)

as shown

Radius Corners std

Hole Size std

Location std

Double Face

Single Face

SUBSTRATE

Aluminum

Steel

Coroplast

Magnetic

Other _____

Thickness .080

BORDER

Inset

Edge

None

SHEETING

Engineer Grade

High Int. Prismatic

Diamond Grade

Other _____

Sheeting Color:

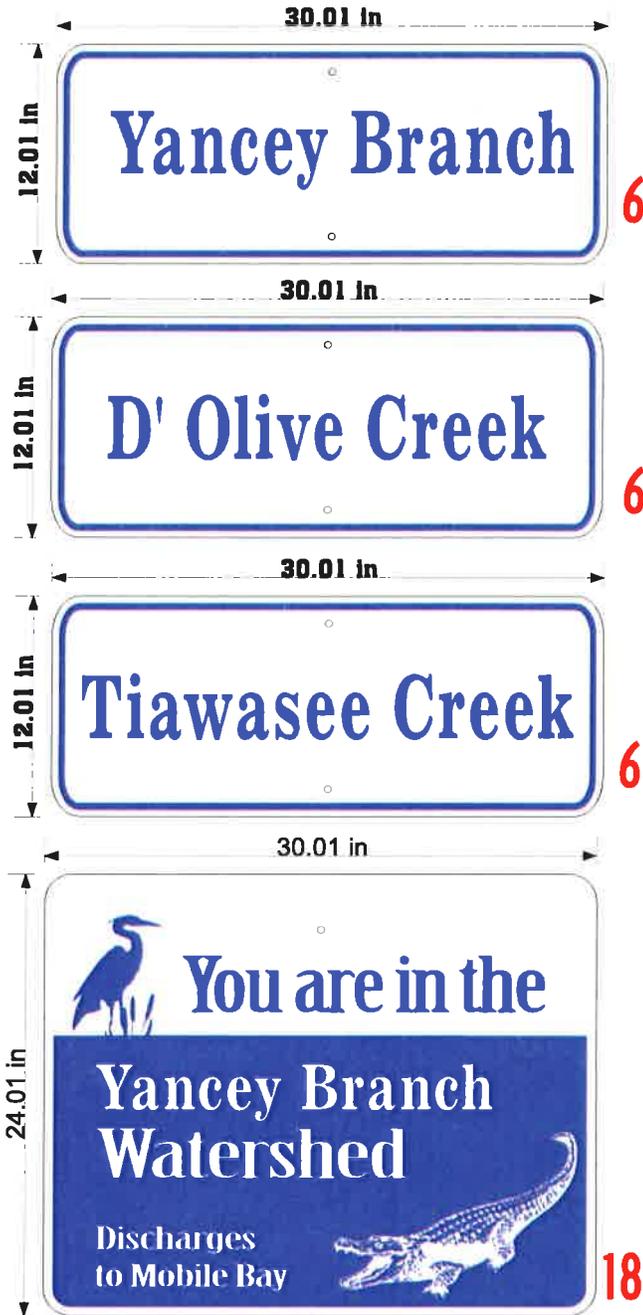
White Green

Orange Yellow

Blue Red

Brown Gold

Other _____



Orders will be scheduled for production after receipt of signed approvals.

Description: 30x24 and 30x12, .080 aluminum, Standard P&R, Pantone 285 Blue on White HIP, Quantities as shown

PO# 041625	Job No.: 255903	Order Date:	Layout By: Charlotte Brown	Printed On: 4/10/14
---------------	--------------------	-------------	-------------------------------	------------------------

Customer: John M Warren

file name is 255903 Yancey Branch Creek.fs

**NO ORDER for Custom Artwork
Can Be Processed Without
Authorized Signature Of Approval.
By Signing, I Indicate That
All Aspects of The Depicted Artwork
Are Correct And As Specified.**

Plant Manager Initials: _____ Production Mgr. Initials: _____ Sales Person Initials: _____ Salesperson

KW

X _____

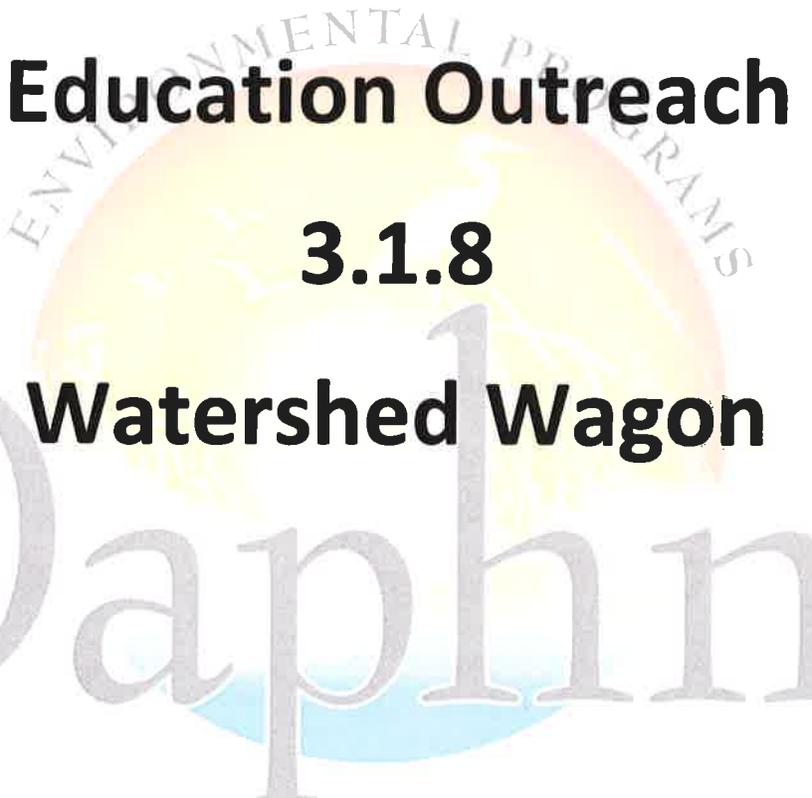
MCM 1

Education Outreach

3.1.8

Watershed Wagon

Daphne

The logo for Daphne Environmental Programs features a stylized globe with a sun rising over the top half and a blue wave at the bottom. The text "ENVIRONMENTAL PROGRAMS" is written in a semi-circle above the globe, and "Daphne" is written in a large, serif font across the bottom of the globe.

MCM 1 Educatio Outreach
3.1.8 Watershed Wagon Events

Event Name	Date	Location
Woods & Water	4/26/2014	Five Rivers-Spanish Fort
Jubilee Festival	9/27-28/14	Down Town-Daphne



INFORMATION

NATURE CENTER ACTIVITIES:

- OUTDOOR AL PHOTO CONTEST EXHIBIT
- AMERICA'S AMAZON MOVIE SCREENING
- MAMMALS
- SMALL BOAT HANDLING
- KUDZU CRAFT WOODEN BOATS
- BACKYARD HABITATS
- MANATEE SIGHTING NETWORK
- CHILDREN'S CRAFTS
- SPINNING HANDSPUN YARN
- SFHS JAZZ BAND
- WEEKS BAY WATERSHED WAGON
- ROD & REEL CASTING

BARTRAM LANDING ACTIVITIES:

- 5 RIVERS DELTA SAFARIS:
- \$5 PONTOON BOAT TOURS
- CANOES, KAYAKS, PEDAL BOAT RACES
- WOODEN BOAT SHOW
- MARINE POLICE JET SKI
- BOATER SAFETY (USCG AUXILIARY)

BLAKELEY HALL ACTIVITIES:

- DELTA BUGS (ENTOMOLOGY)
- BEES
- REPTILES
- SHOOTING RANGE

GIFT SHOP ACTIVITIES:

- NATIVE AMERICAN GAMES
- PERDIDO VINEYARDS
- BOOK SIGNINGS BY AUTHORS LJ DAVENPORT & JERRY SUMRALL
- BRICKS4KIDZ
- SF FIRE TRUCK & FIRE HOUSE
- PINE NEEDLE BASKETS

Welcome to the 2014 Delta Woods & Waters Expo!

Use this map to make sure you find all of the wonderful presenters who make this day possible. Shuttles will run throughout the day. See reverse for complete event details.

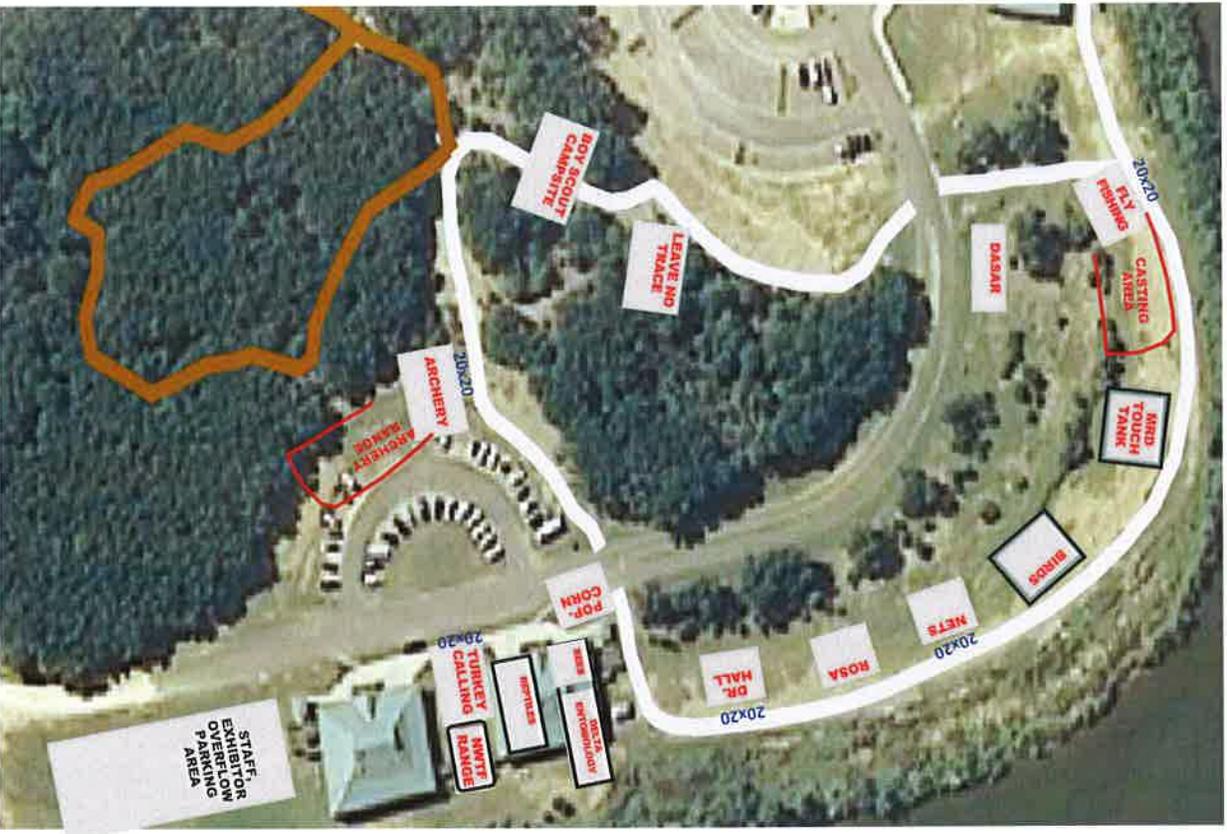
Have a great day!

- Mulched Trail
- Gravel Trail
- 🍴 Food (BBQ)
- 🎵 Music (11:30pm)
- 🚌 Parking/Shuttle Stop
- ℹ Information
- 🏥 First Aid

MEAHER STATE PARK

US 90/98 (CAUSEWAY)





Layout for Saturday
Events (April 26, 2014)
(DRAFT)

Wildlife Exhibits:

1. Appalachian Exhibit Hall/Outdoor Alabama Photo Contest (5 Rivers Staff/Vols)
2. Reptile Show (Joel Borden/Tim Cooper) (Classroom)
3. Mammals (Sherrita Borden/Mark Wetzel) (Lil' Bateau)
4. Bugs (Jeff Nye) (Classroom)
5. Beekeeping
6. Marine Life Touch Tank (Pavilion)
7. MESC Raptors (Pavilion)

Hiking/Camping Activities:

1. Woodland Nature Walk (Hank Burch)
2. Boy Scout Campsite (Woods)
3. Leave No Trace (Pete Haring) (Woods)
4. Hiking/Camping Gear (AHTS)

Hunting/Fishing Activities

1. Casting: Rods & Reels & Nets (Goelman/MBKFA) (Front of Exhibit) (20X20)
2. Fly Tying & Casting (ES Flyfishers) (20X20)
3. Archery (James Aldere) (20X20)
4. NWTJ Shooting Range (Needs Power)
5. Turkey Calling (20X20)
6. Retrieving Dogs (Holly Geary) (20X20)

Boating Activities:

1. Small Boats & Water Skills (Gene Booth) (Delta Hall Deck)
2. Wooden Boat Show, "Manpower" Division (Delta Hall Deck)
3. Kudu Craft Wooden Boats (Delta Hall Deck)
4. Wooden Boat Show, "Horsepower" Division (Bartram Landing)
5. USCG Water Safety (Larry Jensen) (20X20)
6. Marine Police PWC Simulator (Wade Fall)
7. SRDS Activities (Pontoon Boat Tours; Kayak Sports)

Outdoor Life:

1. John Hall as Wm. Bartram (20X20)
2. Rosa Hall as Moccasin Woman (BURNING TENT)
3. Spinning (Linda Smith) (Front Porch)
4. Backyard Habitats (Denise Heubach)
5. Native American Games (USA Archaeology) (20X20)
6. Watermarked Wagon (Bruce Renker)
7. Manatee Sighting Network
8. "America's Amazon Screening" (Tensaw Theater)
9. Net Maker (20X20)

Gift Shop Exhibitors:

1. Larry Davenport: Book Signing
2. Perido Vineyards (Juice Sampling)
3. Pine Needle Baskets (Cindy Renker)
4. Pottery (TBD)
5. Brcksfkatz

Other:

1. Spanish Fort Fire House
2. Spanish Fort Fire Truck
3. Daphne Search and Rescue (Horses)
4. Food Trailer (10X10)
5. Water Stations
6. Popcorn
7. Sound Stage (SFHS Jazz Band?) (TENT)
8. Info
9. First Aid
10. Hospitality Tent (20X20)
11. Food Tent (20X40)
12. Crafts



WATERSHED WAGON
WEEKS BAY RESERVE



Keep Deep Coatings

WATER RESERVE

Watershed Wagon
Weeks Bay Reserve



Jubilee!

The 26th Annual Jubilee Festival, an Eastern Shore Chamber of Commerce event, is scheduled for September 27th and 28th, 2014. The Jubilee Festival Organizing Committee is planning for a banner event this year.

The juried art show takes place on Main Street (Scenic 98) in Olde Towne Daphne, in front of City Hall and in Centennial Park. There is no admission and the festival will be going on 10 am until 5 pm each day.

The Jubilee Festival will feature more than 85 of the finest artists and craftsmen in the region. Expected are approximately 30,000 patrons to attend this year. In addition to the wonderful art you can also find a delicious assortment of unique festival foods.

For more information call the Eastern Shore Chamber of Commerce at (251) 621-8222 or visit www.eschamber.com.

The Jubilee Breeze 2 June - December 2014