

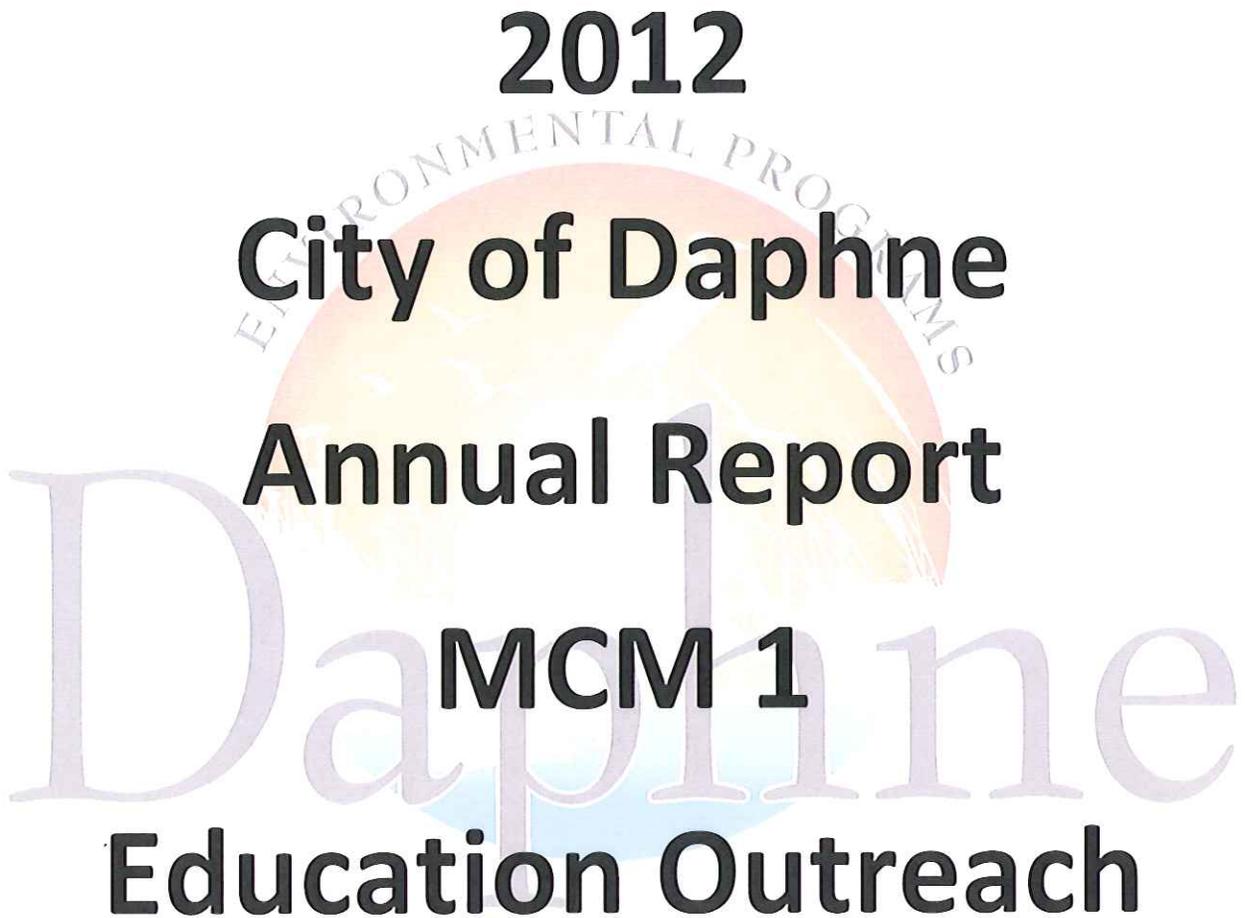
2012

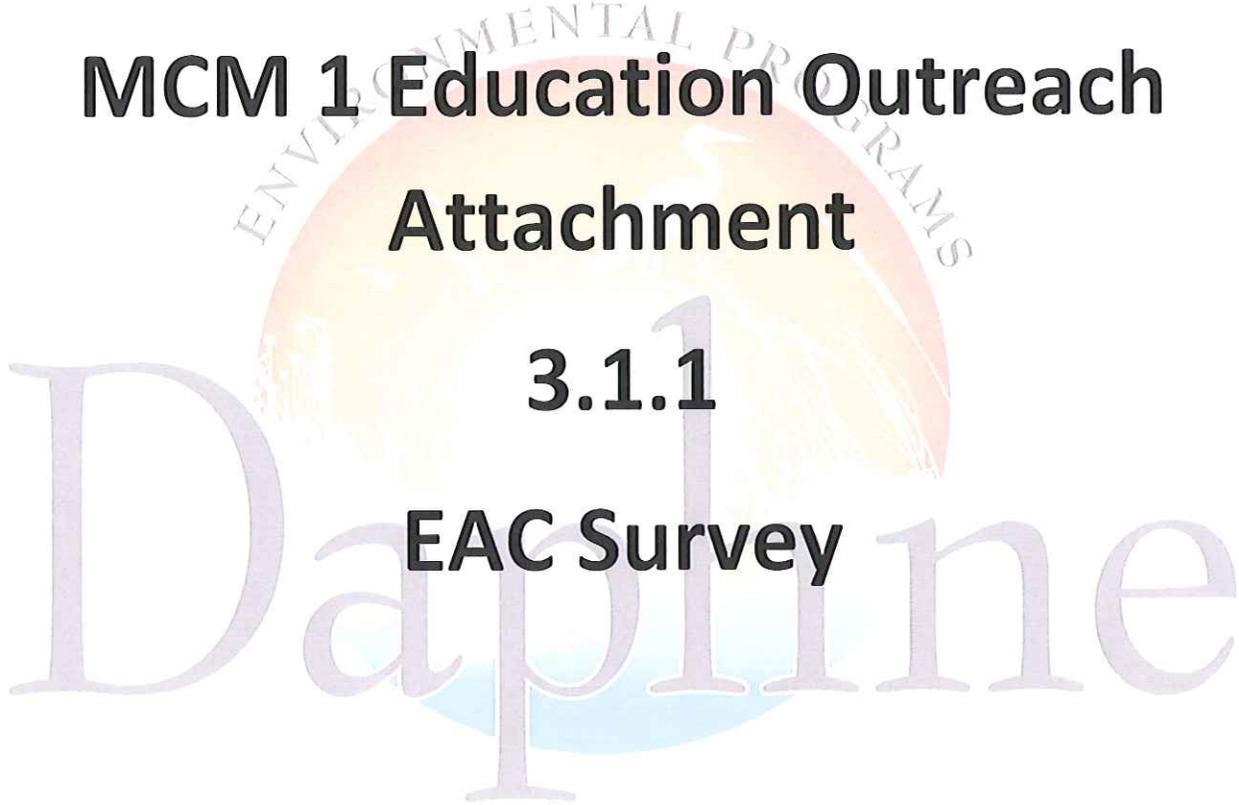
City of Daphne

Annual Report

MCM 1

Education Outreach





**MCM 1 Education Outreach
Attachment**

3.1.1

EAC Survey

**City of Daphne
Environmental Advisory Committee
MS4-Education Outreach Survey**

Please complete survey no later than February 28, 2013

Rank from 1 (Least Concerned) to 5 (Greatest Concern)

1. Target Pollutants

	1 Least Concern	2	3	4	5 Greatest Concern
Trash	<input type="radio"/>				
Oil/Grease	<input type="radio"/>				
Sediment	<input type="radio"/>				
Pathogens	<input type="radio"/>				
Fertilizers	<input type="radio"/>				
Other	<input type="radio"/>				

Other (please specify)

2. Target Audiences

	1 Least Concern	2	3	4	5 Greatest Concern
Residents	<input type="radio"/>				
City Staff	<input type="radio"/>				
Businesses	<input type="radio"/>				
Local Government Officials	<input type="radio"/>				
Realtors	<input type="radio"/>				
Other	<input type="radio"/>				

Other (please specify)

3. Strategies to Reach Target Audience

	1 Least Concern	2	3	4	5 Greatest Concern
Workshops	<input type="radio"/>				
Web Page	<input type="radio"/>				
Brochures/Hand outs	<input type="radio"/>				
Social Media	<input type="radio"/>				
Other	<input type="radio"/>				

Other (please specify)

4. Brochure/Hand Out Location(s)

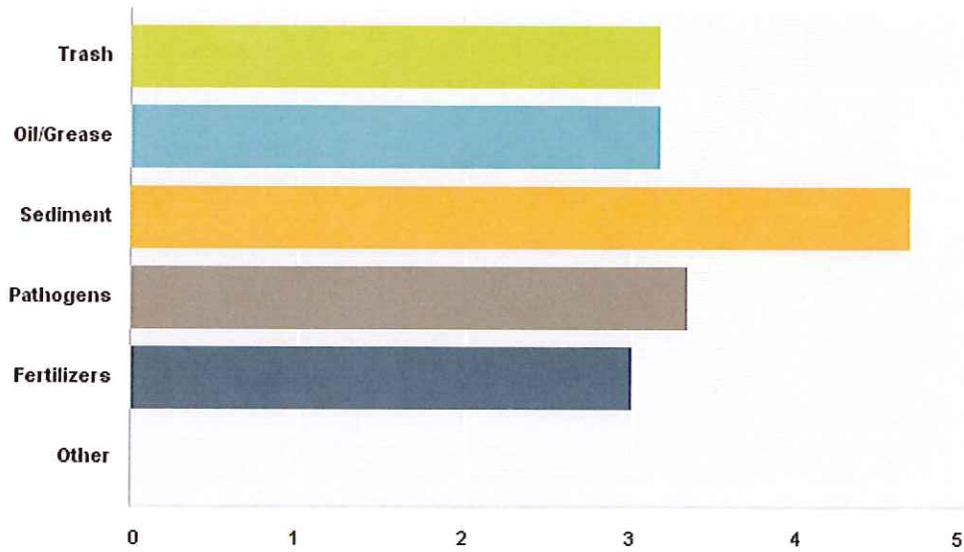
	1 Least Concern	2	3	4	5 Greatest Concern
City Hall	<input type="radio"/>				
Recreation Department	<input type="radio"/>				
Library	<input type="radio"/>				
Public Works	<input type="radio"/>				
Other	<input type="radio"/>				

Other (please specify)

Done

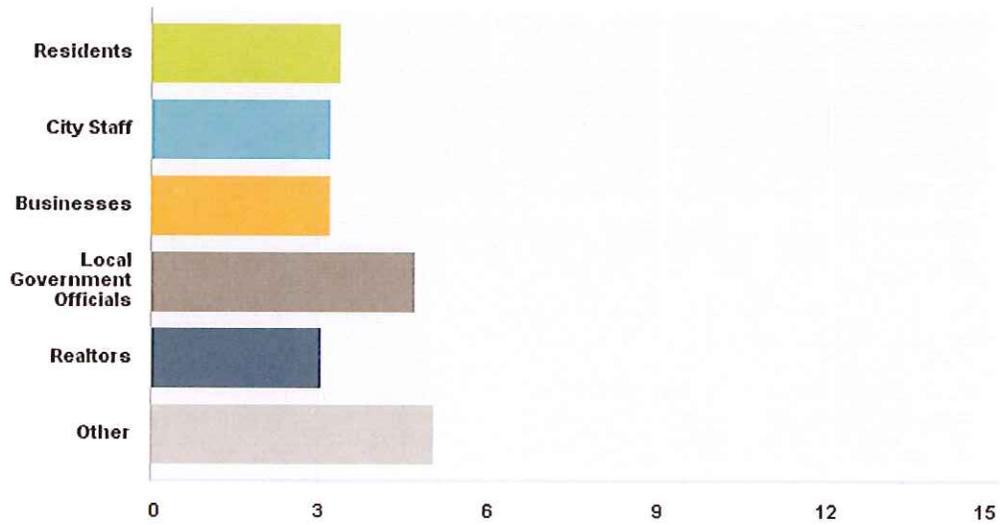
Target Pollutants

Answered: 6 Skipped: 0



Target Audiences

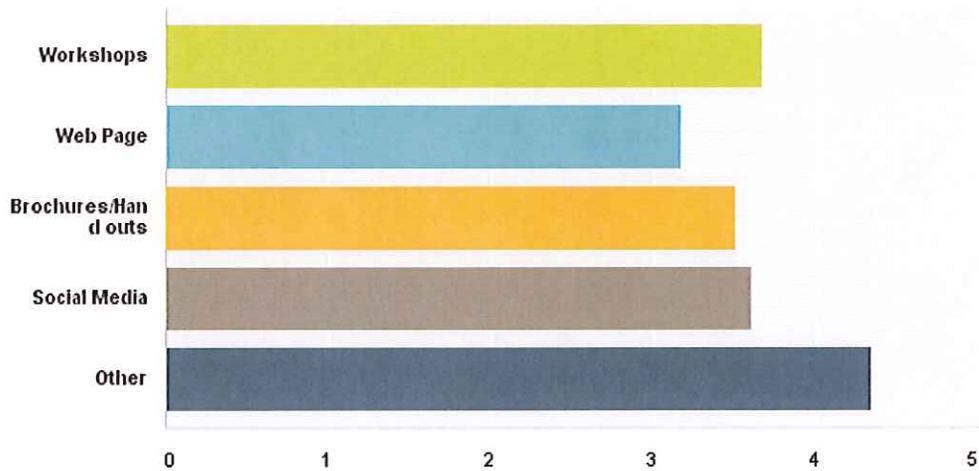
Answered: 6 Skipped: 0



OTHER: Engineers and University Teachers
Developers

Strategies to Reach Target Audience

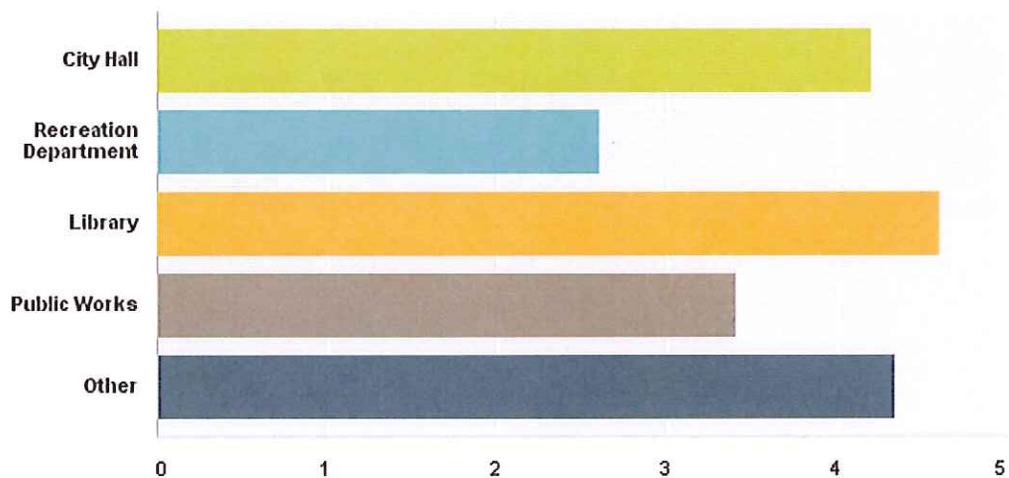
Answered: 6 Skipped: 0



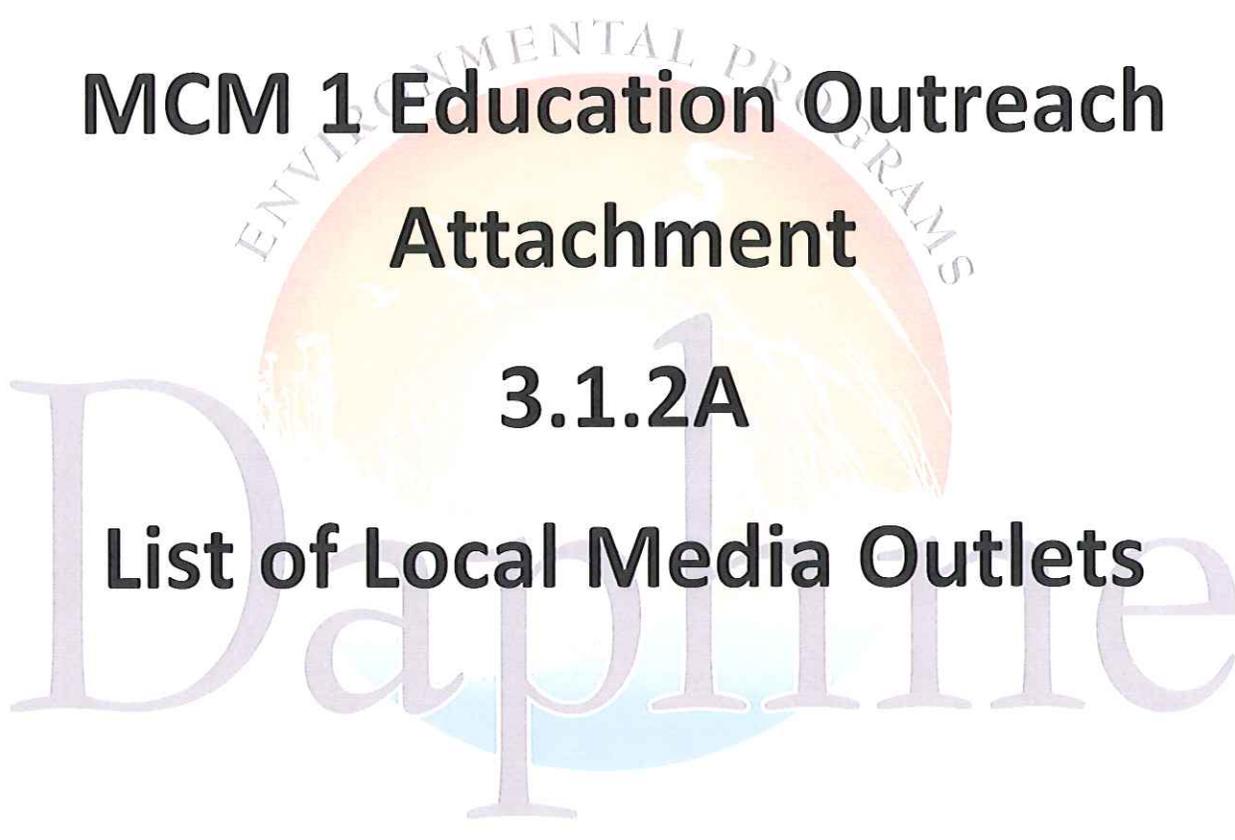
OTHER: Newspaper and magazine articles
Enforcement of City Regulations
Media- newspapers, TV

Brochure/Hand Out Location(s)

Answered: 6 Skipped: 0



OTHER: School--Local science teachers-part of class curriculum
Kiosks, Roadside Stops
Building Department



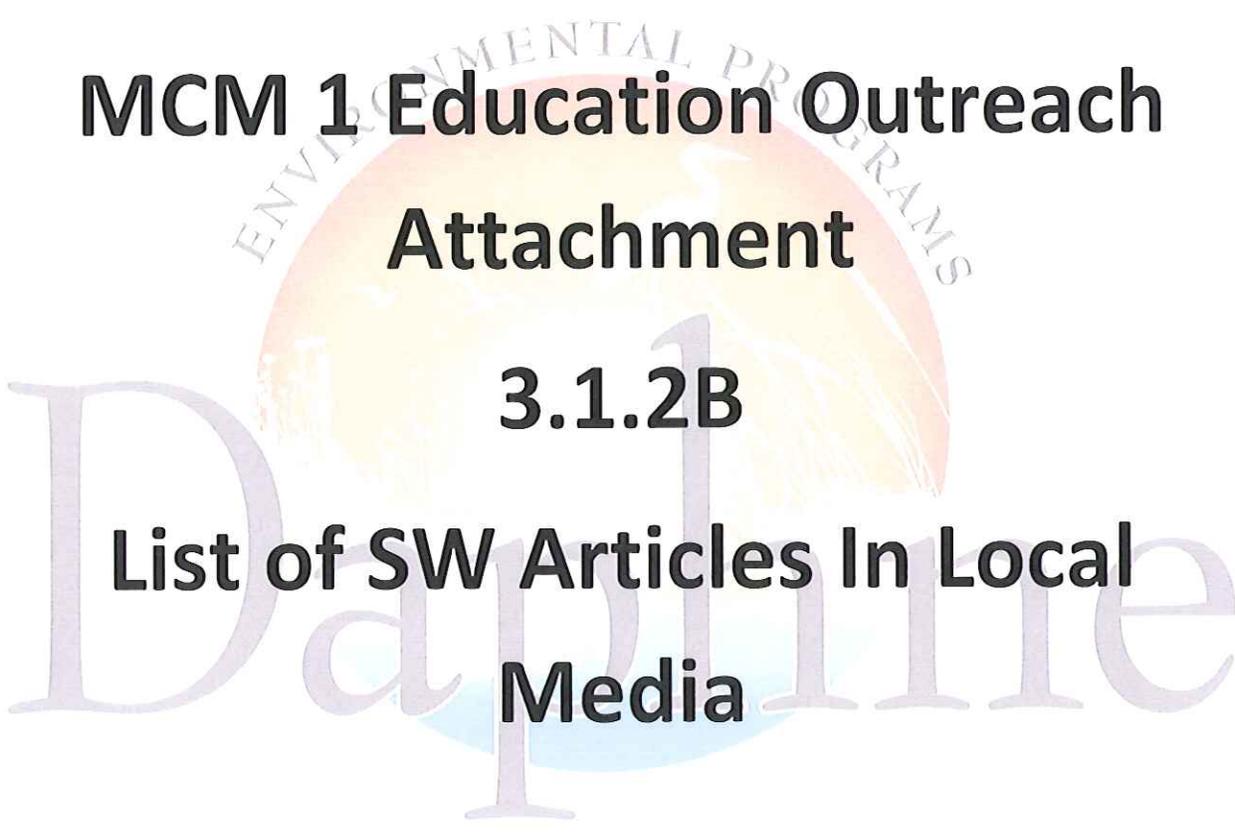
**MCM 1 Education Outreach
Attachment**

3.1.2A

List of Local Media Outlets

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



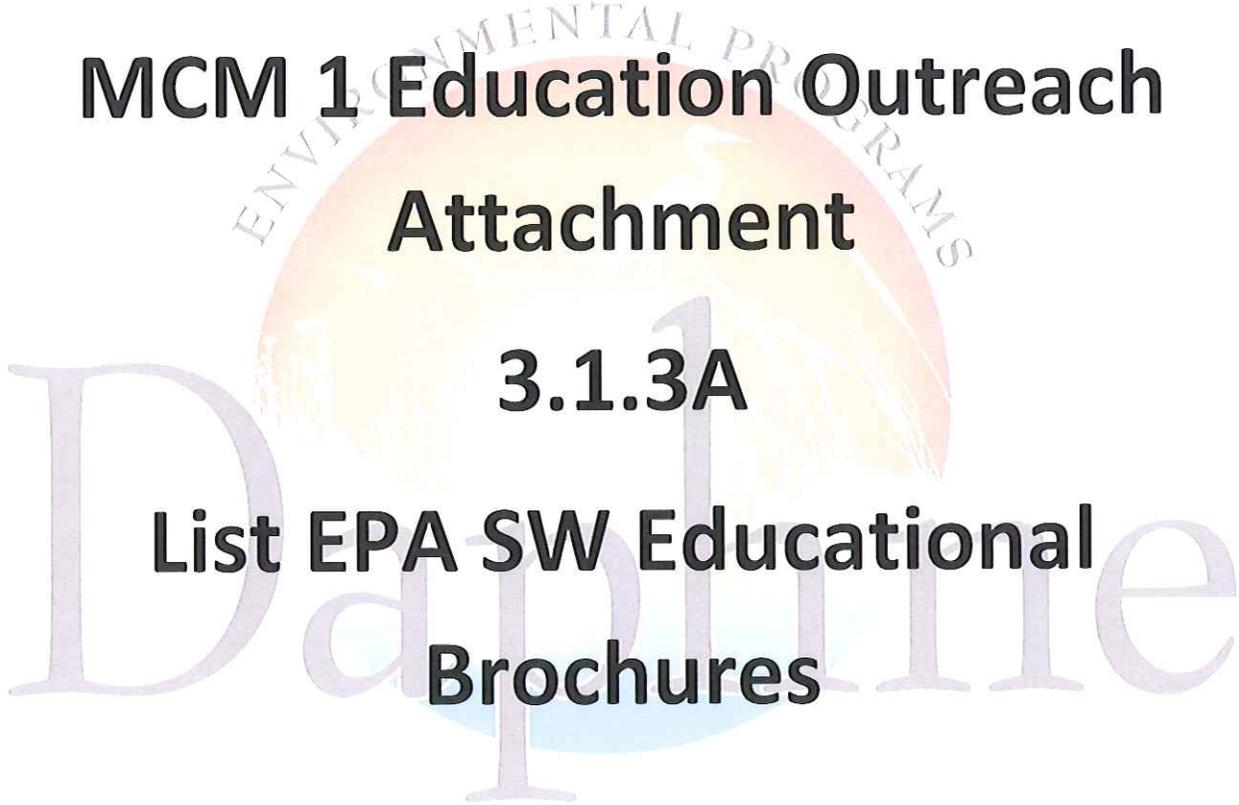
**MCM 1 Education Outreach
Attachment**

3.1.2B

**List of SW Articles In Local
Media**

MCM 1 Education Outreach
3.1.2B Article Submitted to Local Media

Local Media	Date	Article Title
The Bulletin	6/12/2012	Environmental Program Manager Speaks to Lake Forest Improvement Committee
The Mobile Press Register	6/24/2012	Signs Aid In Efforts to Keep Watershed Clean
The Mobile Press Register	2/3/2012	D'Olive Rising From the Mud
The Mobile Press Register	2/10/2013	Daphne Project Is Revitalizing Wetland Habitat
Lagniappe	2/7/2013	Benchmark Eastern Shore Stormwater Project Nearly Complete
The Lake Forester	Apr-12	Joe's Branch Watershed Restoration
The Lake Forester	Jun-12	Have You Seen the Signs? D'Olive Watershed Signs Make Their Debut
Jubilee Breeze	June-December 2012	Have You Seen the Signs? D'Olive Watershed Signs Make Their Debut
Jubilee Breeze	June-December 2012	City of Daphne Environmental Programs Rain Barrel Article

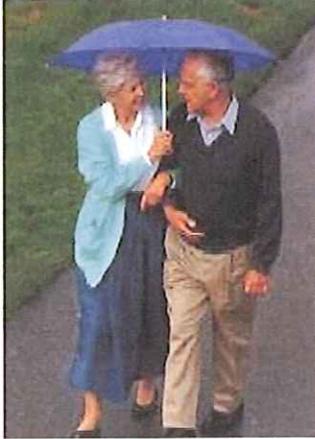


**MCM 1 Education Outreach
Attachment**

3.1.3A

**List EPA SW Educational
Brochures**

Stormwater Outreach Materials and Reference Documents



Stormwater pollution from point sources and nonpoint sources is a challenging water quality problem. Unlike pollution from industry or sewage treatment facilities, which is caused by a discrete number of sources, stormwater pollution is caused by the daily activities of people everywhere. Rainwater and snowmelt run off streets, lawns, farms, and construction and industrial sites and pick up fertilizers, dirt, pesticides, oil and grease, and many other pollutants on the way to our rivers, lakes, and coastal waters. Stormwater runoff is our most common cause of water pollution. Because stormwater pollution is caused by so many different activities, traditional regulatory controls will only go so far. Education and outreach are key components to any successful stormwater program.

Outreach Materials

Recognizing this, EPA has developed a set of materials that state or local governments can customize and use in their own stormwater outreach campaigns. The electronic files on this page contain space for officials to add their own contact information and inexpensively reproduce these materials. Below you'll find materials for the general public, homeowners, construction site operators, and children.

Stormwater Reference Documents

In addition to the featured outreach materials, links are provided to key stormwater reference documents. Use the table of contents box to find key stormwater [regulations](#), [permits and applications](#), and [guidance documents](#) produced by EPA for industrial facilities, construction sites, and communities with municipal separate storm sewer systems (MS4s). Most states are authorized to implement the stormwater program, so be sure to check with your state (or the EPA Regional Office, for unauthorized states) for specific requirements. To determine if your state is authorized, please use this [state authorization](#) table.

For more information on stormwater and nonpoint source pollution, please visit:

<http://www.epa.gov/npdes/stormwater> - EPA's stormwater program homepage

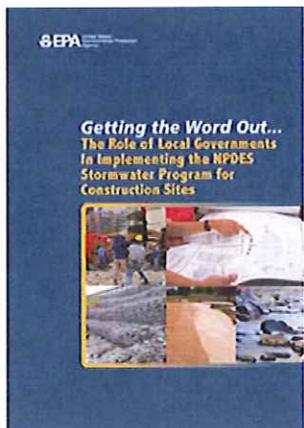
<http://www.epa.gov/owow/nps> - EPA's nonpoint source program homepage

<http://www.CICAcenter.org> - The Construction Industry Compliance Assistance Center homepage

[EXIT Disclaimer](#). Click [here \(PDF\)](#) (1 pp, 1.9MB) for a brief description of this web site.

Stormwater Outreach Materials

Files are available if you would like to send the publications below to a [professional printing company](#) for customized printing.



[The Role of Local Governments in Implementing the NPDES Stormwater Program for Construction Sites \(PDF\)](#) (2 pp, 1.3MB) - This new brochure provides local governments with a brief overview of the NPDES Stormwater Program on construction sites. Local governments can then provide this information to people in the construction industry who might need NPDES permit coverage. Stormwater permits require many operators of construction sites to implement steps to prevent sediment and other pollutants from washing off into nearby streams, rivers, lakes, and coastal waters. Files are available to [print using a professional printer](#). Versions of both the Federal and State brochures are available. [May be customized](#). **Printed copies are no longer available from EPA.** EPA 833-F-06-0022.

[Local Federal Guide \(PDF\)](#) (2 pp, 1.3MB)

[Local State Guide \(PDF\)](#) (2 pp, 1.2MB)



[How Do I Get Stormwater Permit Coverage for My Construction Site? A Construction Site Operator's Guide to EPA's Stormwater Permit Program \(PDF\)](#) (2 pp, 580K) - Provides construction companies with a brief overview of EPA's [Construction General Permit \(CGP\)](#) and its requirements. It is being sent to construction companies to inform them of the need to obtain permit coverage for sites disturbing one acre or more. The brochure contains a summary of the major provisions of the CGP, including areas of coverage, using EPA's new [electronic notice of intent system](#) for obtaining permit coverage, developing a stormwater pollution prevention plan, and more. Files are available to [print using a professional printer](#). English and Spanish Versions of both the EPA and State brochures are available. **Printed copies are no longer available from EPA.** Revised: September 2007. EPA 833-F-04-002.

EPA Brochure

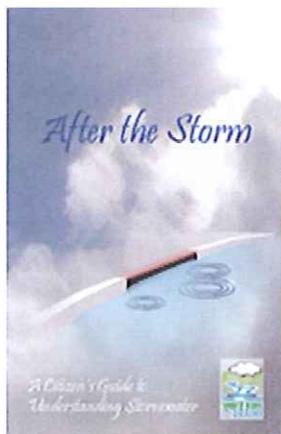
[English Version \(PDF\)](#) (2 pp, 580K)

[Spanish Version \(PDF\)](#) (2 pp, 571K)

State Brochure

[English Version \(PDF\)](#) (2 pp, 562K)

[Spanish Version \(PDF\)](#) (2 pp, 557K)



[After the Storm Brochure \(PDF\)](#) (2 pp, 425K) - Provides a broad overview of stormwater pollution, including runoff from residential and commercial properties, farms, construction sites, automotive facilities, forestry operations, and others. [May be customized](#). This brochure is also available in [Spanish \(PDF\)](#) (2 pp, 2.8MB) . **Printed copies are no longer available from EPA.** EPA 833-B-03-002

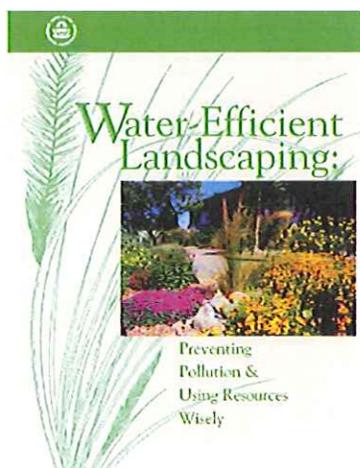
The After the Storm video is now available on DVD. EPA 840-C-06-001



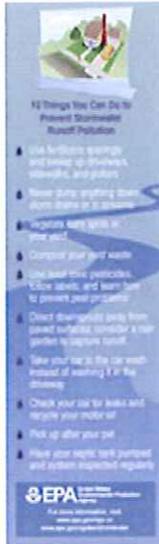
[Make Your Home the Solution to Stormwater Pollution Brochure \(PDF\)](#) (2 pp, 699K) - This short brochure is targeted directly to homeowners and provides tips on a wide variety of simple things that homeowner's can do to prevent stormwater pollution. [May be customized](#). EPA 833-B-03-003



[Stormwater and the Construction Industry Poster \(PDF\)](#) (1 pp, 645K) - Great for construction sites of all sizes! You can print this poster on 11x17 paper. [Side one \(PDF\)](#) (1 pp, 645K) of this informative poster illustrates proper installation of common sediment and erosion control practices (best management practices). [Side two \(PDF\)](#) (1 pp, 121K) describes the process for developing and implementing a stormwater pollution prevention plan and obtaining permit coverage. The [complete 30x40 poster \(PDF\)](#) (2 pp, 743K) is also available. [May be customized](#). [Download the images used for this poster](#). **Printed copies are no longer available from EPA.** EPA 833-H-03-001



[Water Efficient Landscaping \(PDF\)](#) (20 pp, 1.6MB) - This booklet describes the benefits of water-efficient, low-impact landscaping. It includes examples of successful projects, programs, and contacts. **Printed copies are no longer available from EPA.** EPA 832-F-02-002



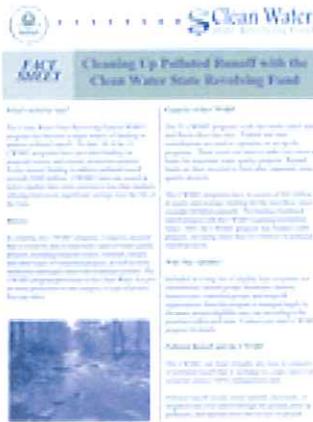
Bookmark: "10 Things You Can Do to Prevent Stormwater Runoff Pollution" (PDF) (2 pp, 103K) - Great promotional item! This handy bookmark lists 10 simple things anyone can do to prevent stormwater pollution. Printed copies are no longer available from EPA. EPA 841-H-03-003



Placemat: "Take the Stormwater Challenge" (PDF) (1 pp, 960K) - Provides a fun learning opportunity for middle school children and can be used to generate classroom discussion or further exploration of water pollution issues. May be customized. Printed copies are no longer available from EPA. EPA 841-H-03-002



Protecting Water Quality from Urban Runoff (PDF) (2 pp, 238K) - This fact sheet explains how urbanized areas affect water quality through increased runoff and pollutant loads and what homeowners can do to prevent stormwater pollution. EPA 841-F-03-003.



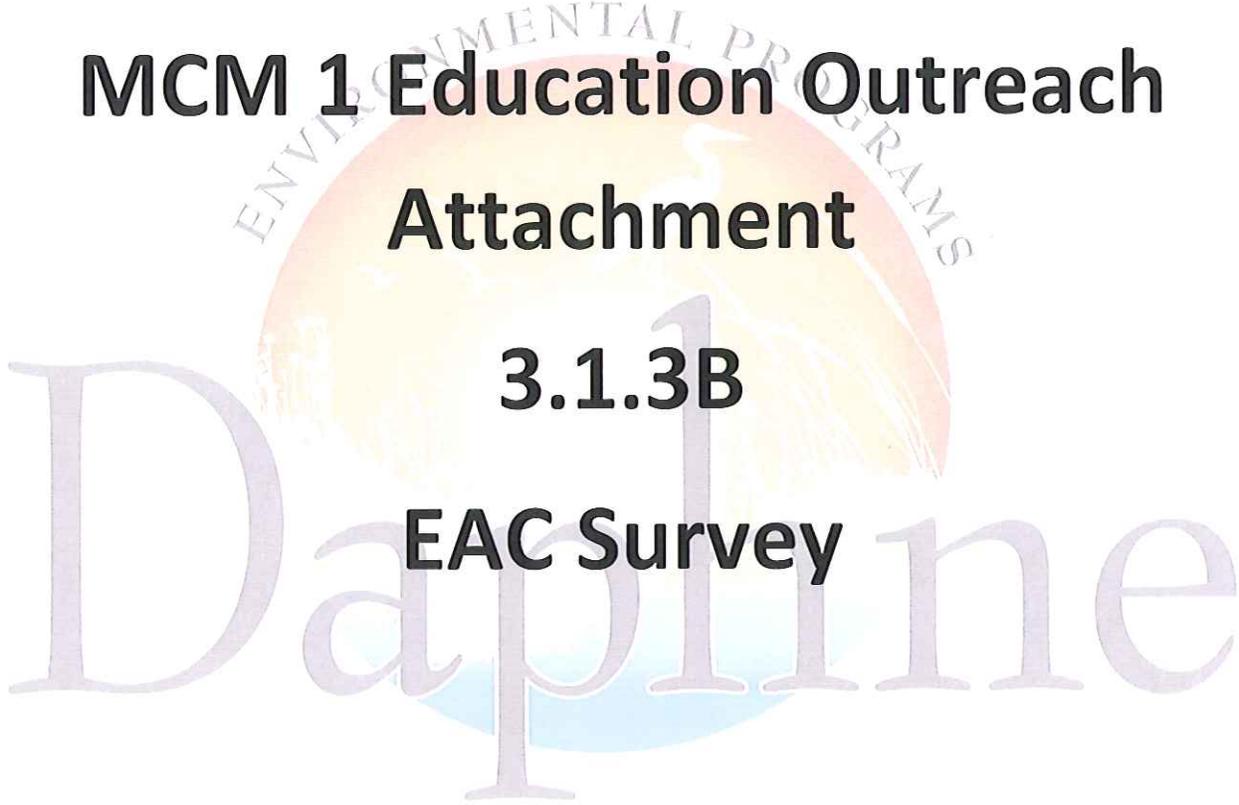
[Cleaning Up Polluted Runoff with the Clean Water State Revolving Fund \(PDF\)](#) (4 pp, 722K) - Financing is always an issue! This fact sheet provides an overview on financing runoff-related projects with the Clean Water State Revolving Fund (CWSRF). It explains how the SRFs work and provides some brief examples of the kinds of projects that have been funded by different states. *EPA 832-F-03-004*



[Innovative Use of Clean Water State Revolving Funds for Nonpoint Source Pollution \(PDF\)](#) (8 pp, 731K) - This fact sheet explains the creative approaches many states have taken to fund nonpoint source runoff projects using the Clean Water State Revolving Fund. Innovative uses include using linked deposit and pass-through loans. *EPA 832-F-02-004*



[Funding Decentralized Wastewater Systems Using the Clean Water State Revolving Fund \(PDF\)](#) (6 pp, 573K) - This fact sheet describes options for using the Clean Water State Revolving Fund to finance installation, repair, and upgrading of septic systems. *EPA 832-F-03-003*



**MCM 1 Education Outreach
Attachment**

3.1.3B

EAC Survey

**City of Daphne
Environmental Advisory Committee
MS4-Education Outreach Survey**

Please complete survey no later than February 28, 2013

Rank from 1 (Least Concerned) to 5 (Greatest Concern)

1. Target Pollutants

	1 Least Concern	2	3	4	5 Greatest Concern
Trash	<input type="radio"/>				
Oil/Grease	<input type="radio"/>				
Sediment	<input type="radio"/>				
Pathogens	<input type="radio"/>				
Fertilizers	<input type="radio"/>				
Other	<input type="radio"/>				
Other (please specify)	<input type="text"/>				

2. Target Audiences

	1 Least Concern	2	3	4	5 Greatest Concern
Residents	<input type="radio"/>				
City Staff	<input type="radio"/>				
Businesses	<input type="radio"/>				
Local Government Officials	<input type="radio"/>				
Realtors	<input type="radio"/>				
Other	<input type="radio"/>				
Other (please specify)	<input type="text"/>				

3. Strategies to Reach Target Audience

	1 Least Concern	2	3	4	5 Greatest Concern
Workshops	<input type="radio"/>				
Web Page	<input type="radio"/>				
Brochures/Hand outs	<input type="radio"/>				
Social Media	<input type="radio"/>				
Other	<input type="radio"/>				
Other (please specify)	<input type="text"/>				

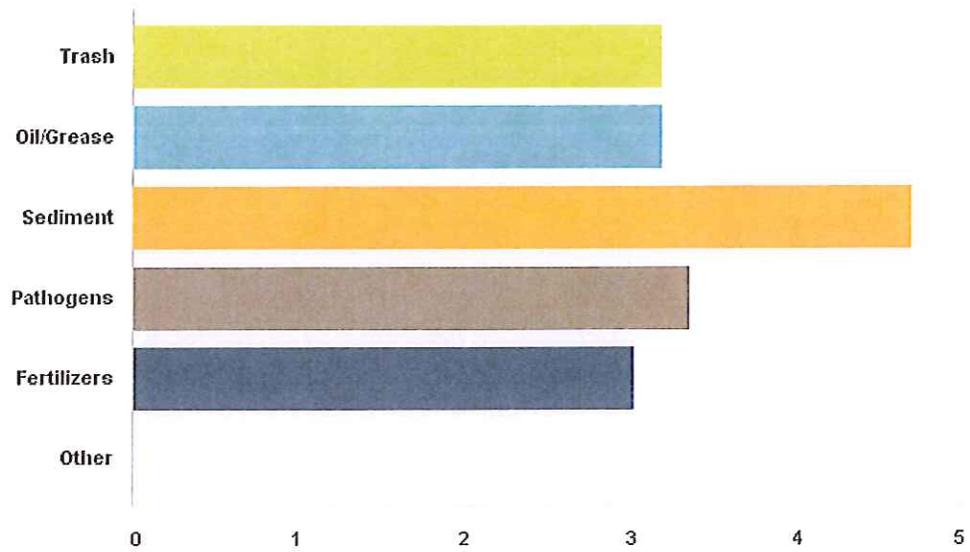
4. Brochure/Hand Out Location(s)

	1 Least Concern	2	3	4	5 Greatest Concern
City Hall	<input type="radio"/>				
Recreation Department	<input type="radio"/>				
Library	<input type="radio"/>				
Public Works	<input type="radio"/>				
Other	<input type="radio"/>				
Other (please specify)	<input type="text"/>				

Done

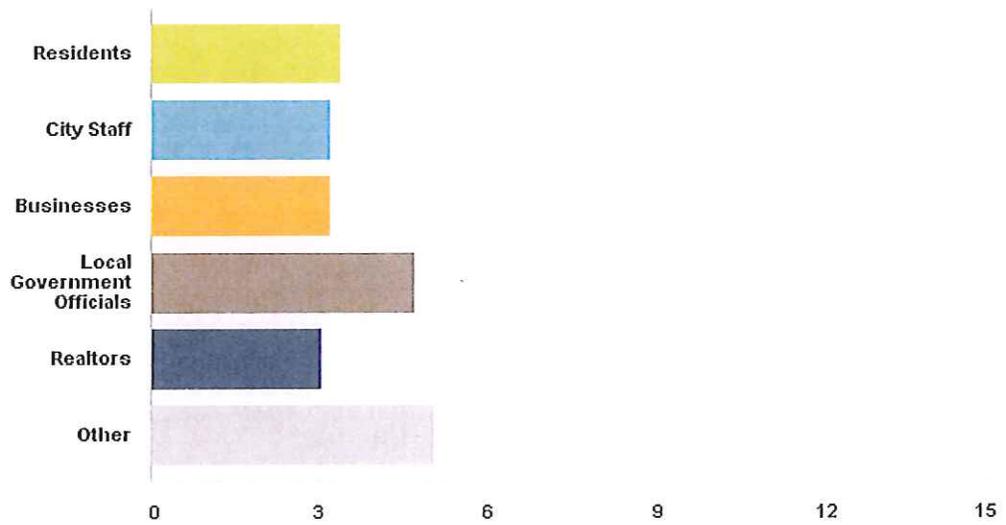
Target Pollutants

Answered: 6 Skipped: 0



Target Audiences

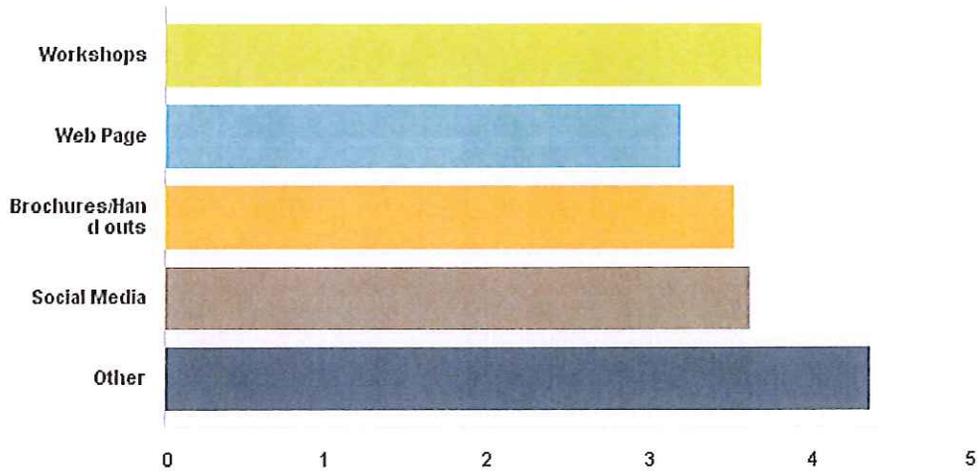
Answered: 6 Skipped: 0



OTHER: Engineers and University Teachers
Developers

Strategies to Reach Target Audience

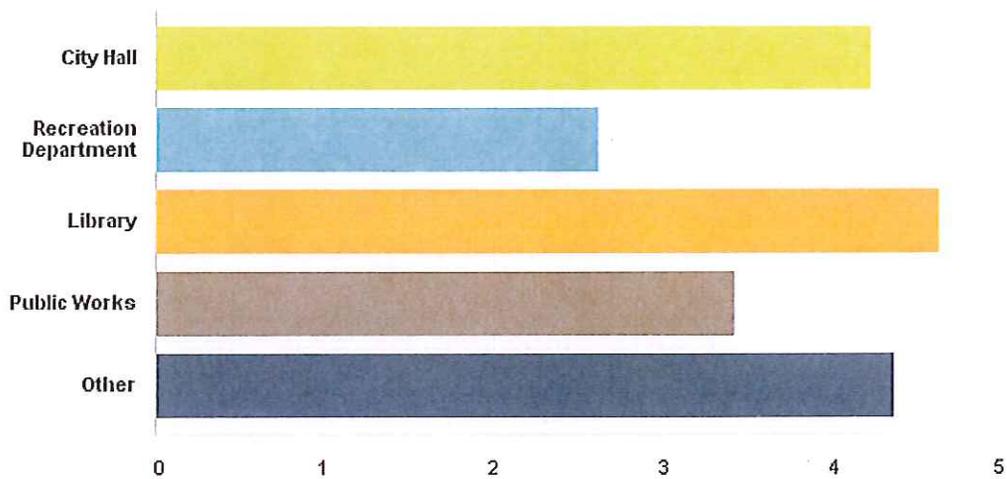
Answered: 6 Skipped: 0



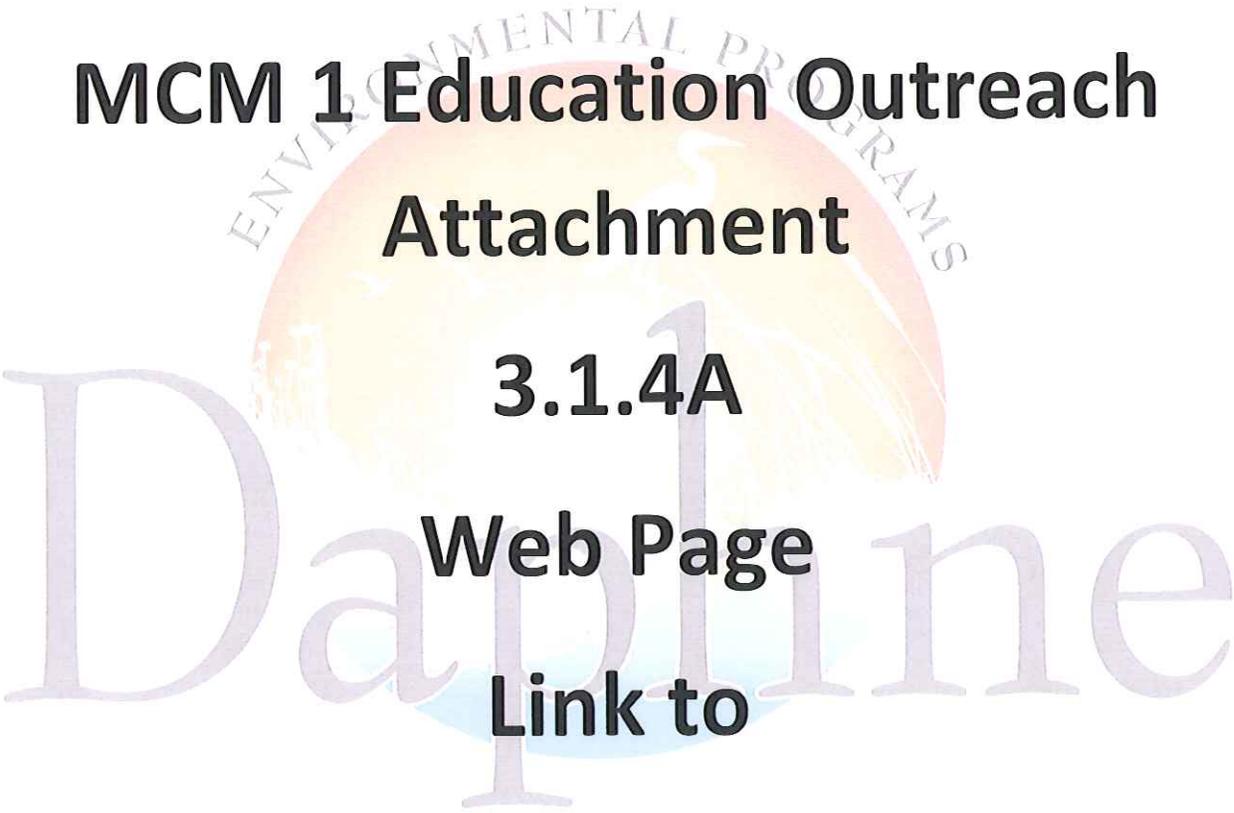
OTHER: Newspaper and magazine articles
Enforcement of City Regulations
Media- newspapers, TV

Brochure/Hand Out Location(s)

Answered: 6 Skipped: 0



OTHER: School--Local science teachers-part of class curriculum
Kiosks, Roadside Stops
Building Department



**MCM 1 Education Outreach
Attachment**

3.1.4A

Web Page

Link to

SWMPP and Annual Report

Finance / Revenue / Bids
Building Departments
Forms

City of Daphne Stormwater Management Programs Plan
2011 City of Daphne MS4 Phase II Annual Report

Emergency Alerts

Notification Sign Up

City Departments

Daphne Events

Forms & Applications

Daphne Police Department

Fire Dept. Public Education

Daphne Animal Shelter



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

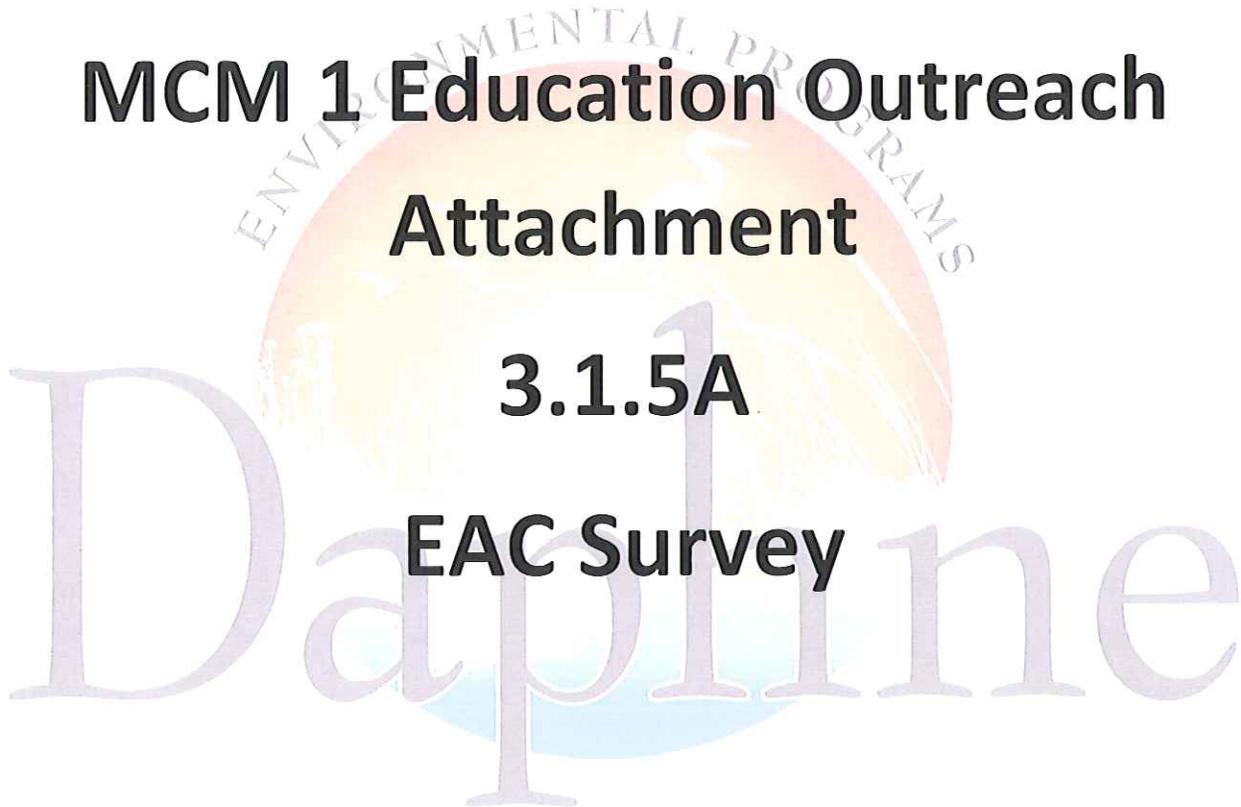
Mayor
City Council
Council Agenda
Council Packet
Ordinances
City Clerk
Committees
Court



Daphne City Hall
P.O. Box 400
Daphne, Alabama 36526
251.621.9000

Daphne, AL
69°F Clear
wunderground.com





**MCM 1 Education Outreach
Attachment**

3.1.5A

EAC Survey

**City of Daphne
Environmental Advisory Committee
MS4-Education Outreach Survey**

Please complete survey no later than February 28, 2013

Rank from 1 (Least Concerned) to 5 (Greatest Concern)

1. Target Pollutants

	1 Least Concern	2	3	4	5 Greatest Concern
Trash	<input type="radio"/>				
Oil/Grease	<input type="radio"/>				
Sediment	<input type="radio"/>				
Pathogens	<input type="radio"/>				
Fertilizers	<input type="radio"/>				
Other	<input type="radio"/>				

Other (please specify)

2. Target Audiences

	1 Least Concern	2	3	4	5 Greatest Concern
Residents	<input type="radio"/>				
City Staff	<input type="radio"/>				
Businesses	<input type="radio"/>				
Local Government Officials	<input type="radio"/>				
Realtors	<input type="radio"/>				
Other	<input type="radio"/>				

Other (please specify)

3. Strategies to Reach Target Audience

	1 Least Concern	2	3	4	5 Greatest Concern
Workshops	<input type="radio"/>				
Web Page	<input type="radio"/>				
Brochures/Hand outs	<input type="radio"/>				
Social Media	<input type="radio"/>				
Other	<input type="radio"/>				

Other (please specify)

4. Brochure/Hand Out Location(s)

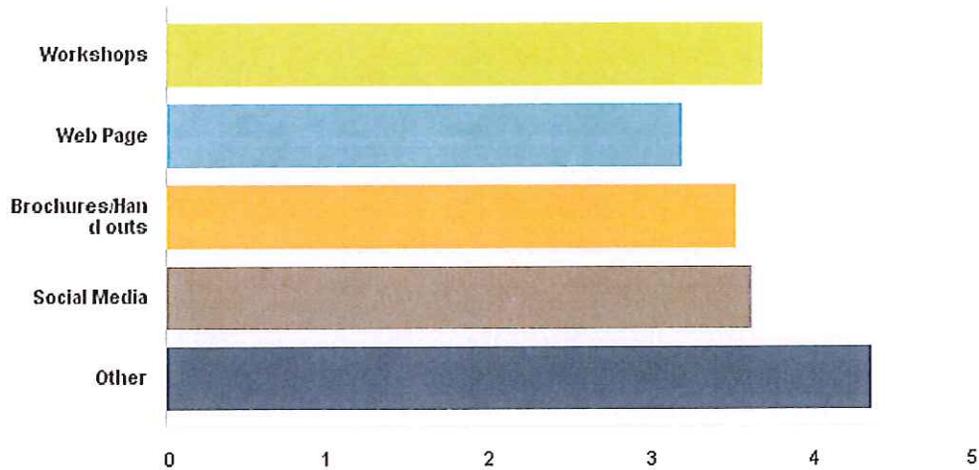
	1 Least Concern	2	3	4	5 Greatest Concern
City Hall	<input type="radio"/>				
Recreation Department	<input type="radio"/>				
Library	<input type="radio"/>				
Public Works	<input type="radio"/>				
Other	<input type="radio"/>				

Other (please specify)

Done

Strategies to Reach Target Audience

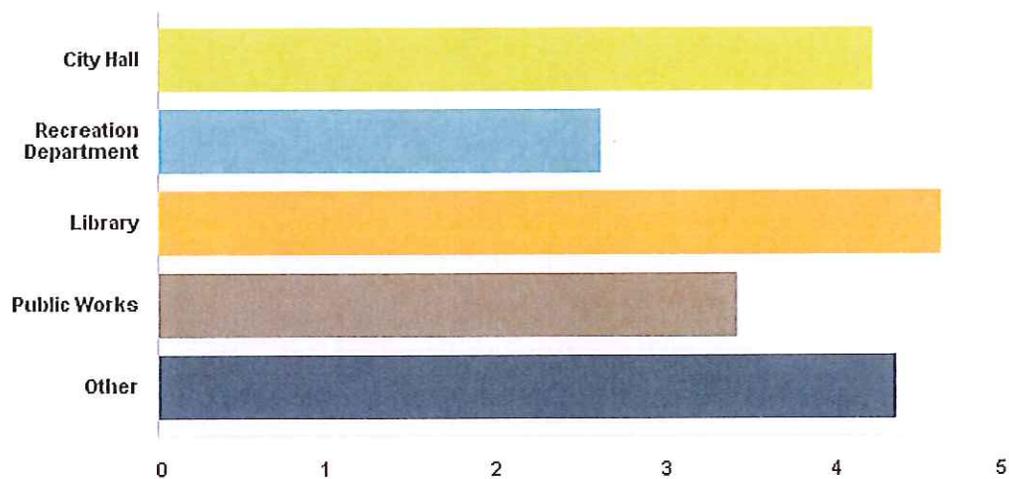
Answered: 6 Skipped: 0



OTHER: Newspaper and magazine articles
Enforcement of City Regulations
Media- newspapers, TV

Brochure/Hand Out Location(s)

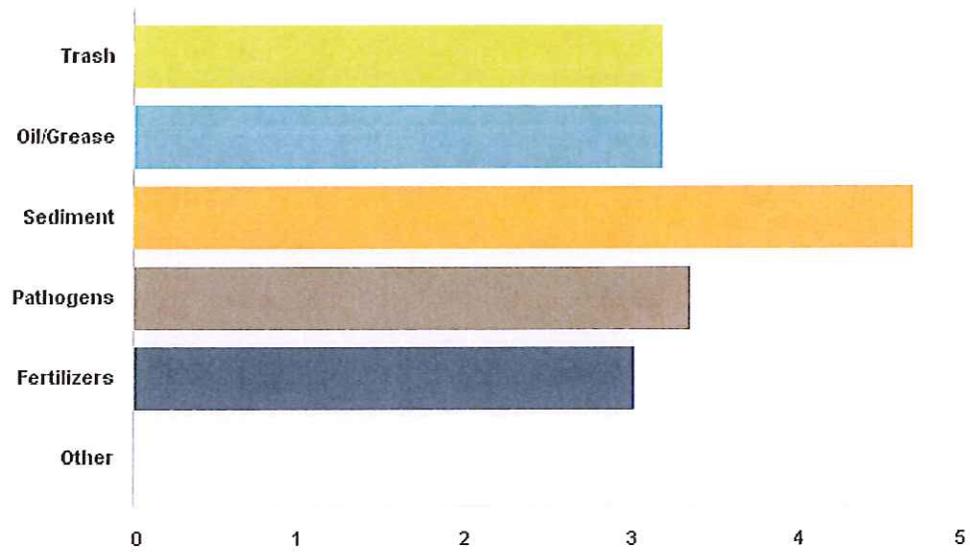
Answered: 6 Skipped: 0



OTHER: School--Local science teachers-part of class curriculum
Kiosks, Roadside Stops
Building Department

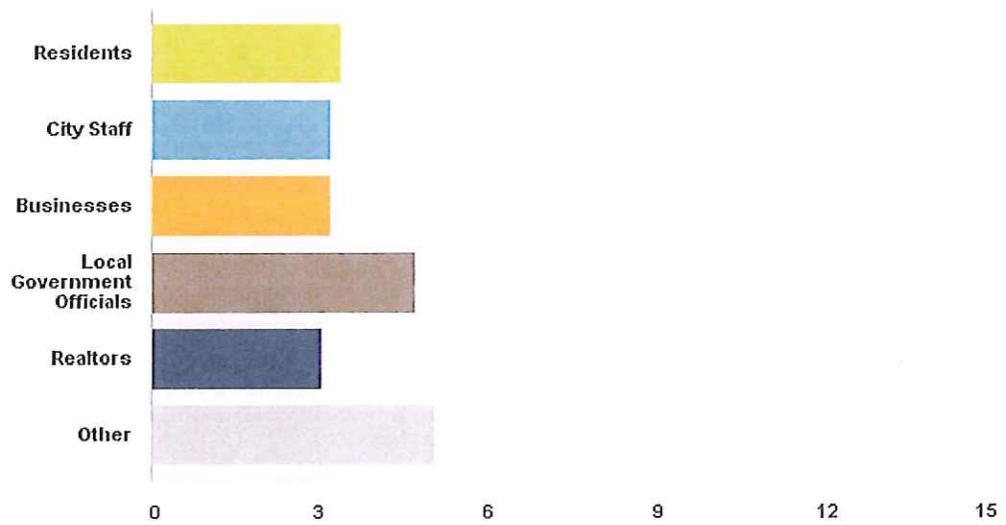
Target Pollutants

Answered: 6 Skipped: 0



Target Audiences

Answered: 6 Skipped: 0



OTHER: Engineers and University Teachers
Developers



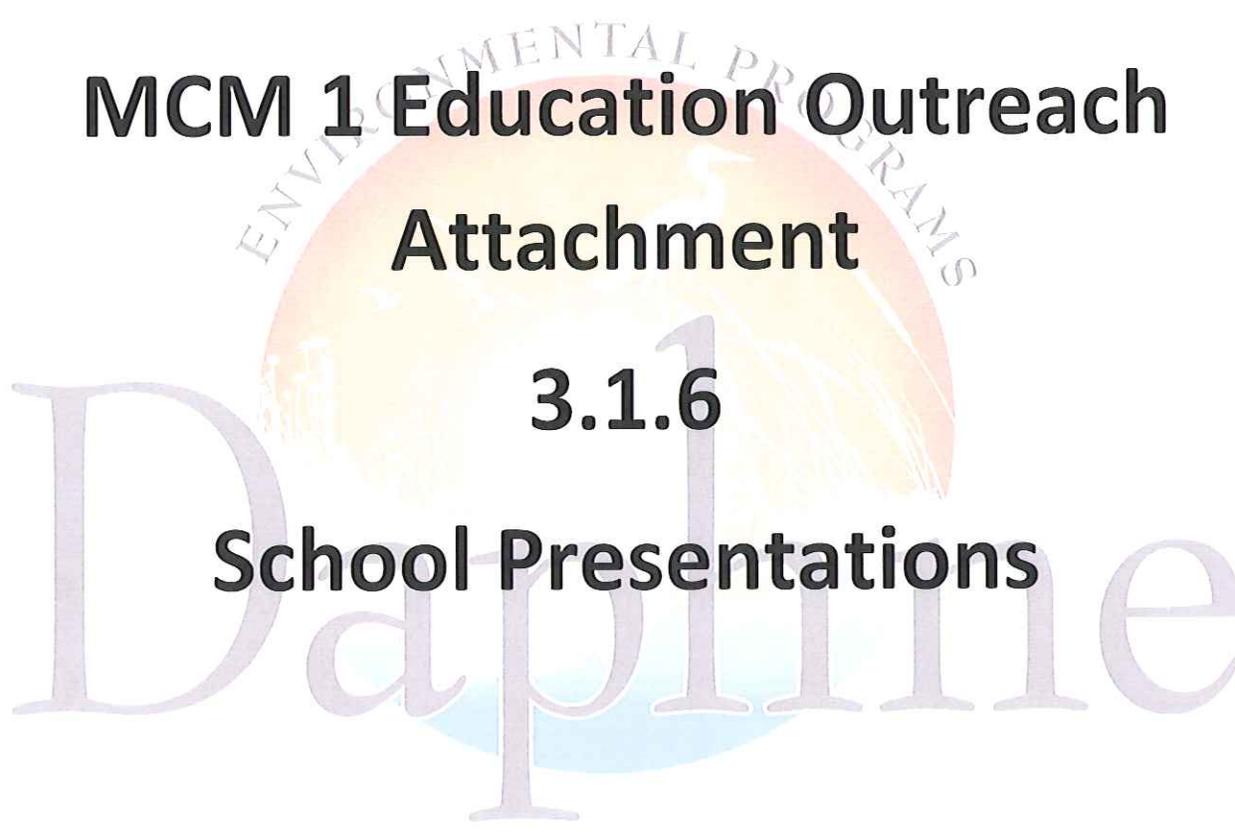
**MCM 1 Education Outreach
Attachment**

3.1.5B

**List of Hosted or Sponsored
Workshops**

MCM 1 Education Outreach
3.1.5B Hosted or Sponsored Workshop

	Title of Workshop	Date	Location
1	2012 Clear Water Alabama Seminar and Field Day	October 10 &11, 2012	Spanish Fort-Five Rivers
2	Rain Barrel Workshop	8/24/2012	Daphne- City Hall
3	Stormwater Perspectives	6/7/2012	Spanish Fort-Five Rivers
4	Urban Stream Restoration	November 8 &9, 2012	Daphne- City Hall



**MCM 1 Education Outreach
Attachment**

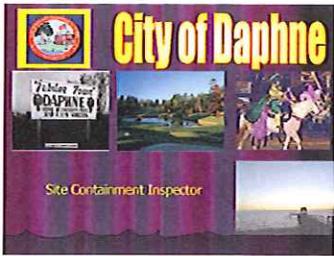
3.1.6

School Presentations

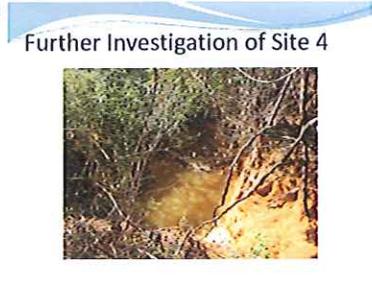
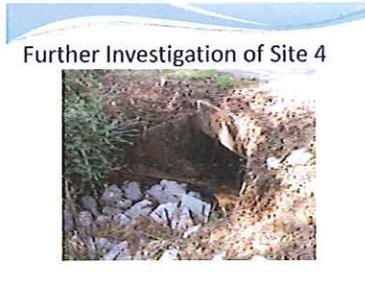
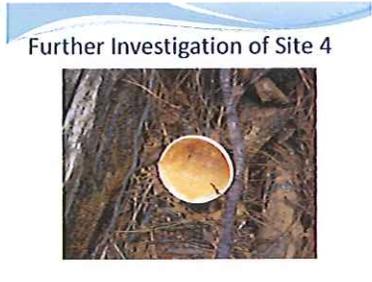
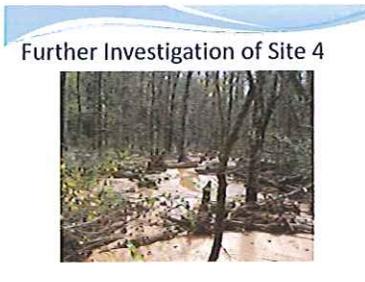
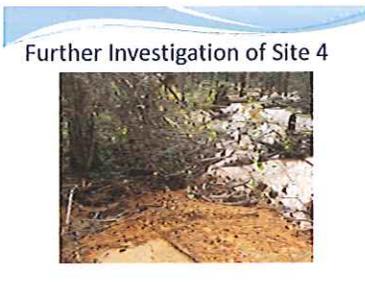
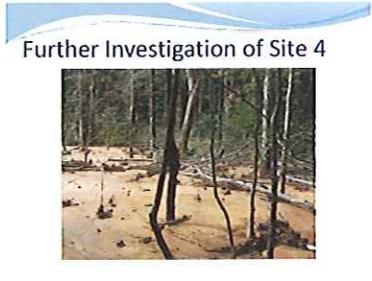
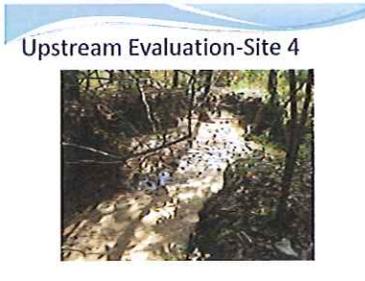
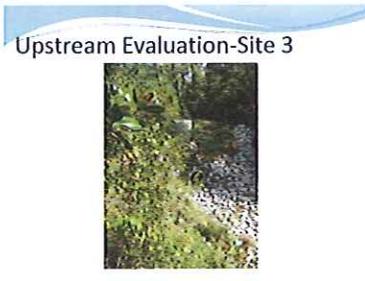
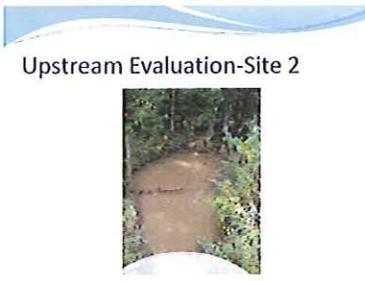
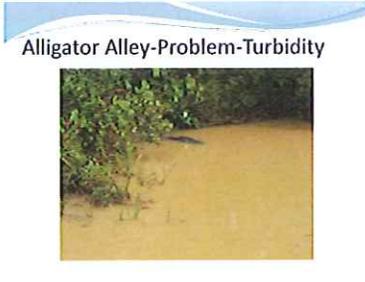
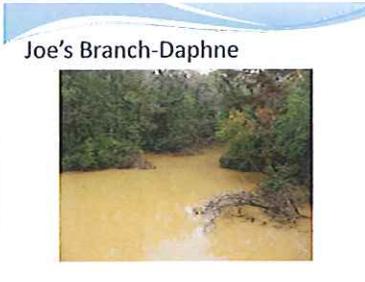
MCM 1 Education Outreach

3.1.6 School Presentations

School	Date	Topic
Christ the King	4/25/2012	Stormwater-Environmental Programs
USA-Engineering	March 3, 4 & 5, 2013	Joe's Branch-Stormwater Management



Un-named Tributary of Joe's Branch
Evaluation & Restoration
City of Daphne
Environmental Programs



Further Investigation of Site 4



Further Investigation of Site 4



Location of Source-
Severe Erosion-Head Cut



Putting into perspective



Resolving the Problem...



Restoration-Clearing and Grading



Initial Grade Control Structures



A lot engineering...



More Structures-32+/-



Restoring Habitat...



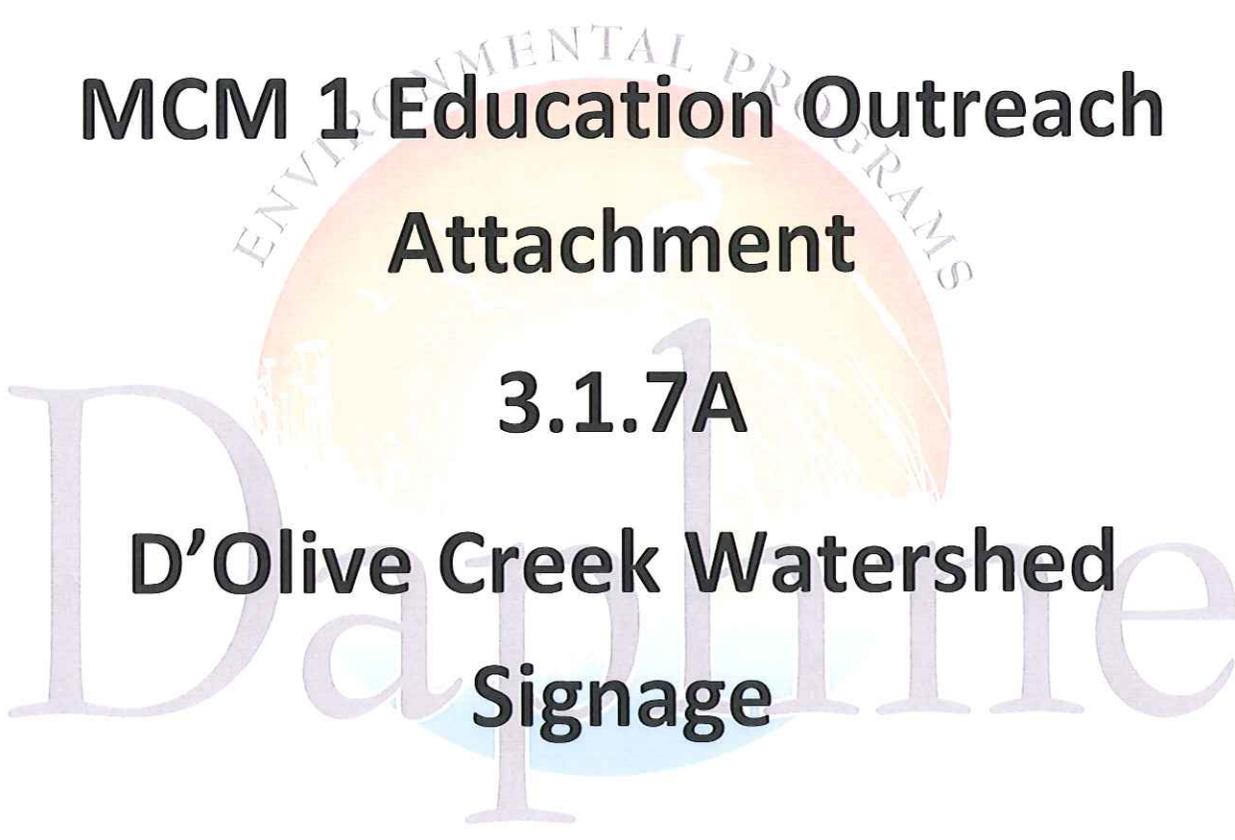
Restoring Habitat



Site Stabilization







**MCM 1 Education Outreach
Attachment**

3.1.7A

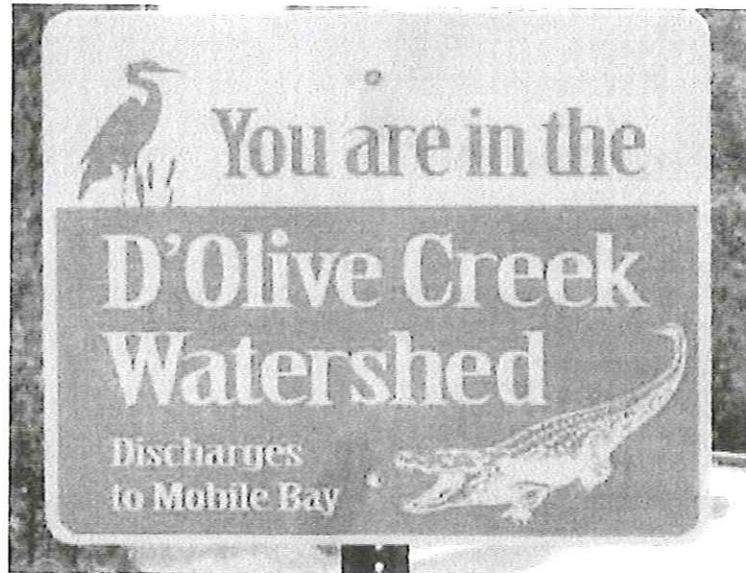
**D'Olive Creek Watershed
Signage**

ENVIRONMENTAL PROGRAMS

Daphne

HAVE YOU SEEN THE SIGNS? D'Olive Creek Watershed Signs Make Their Debut

BY ASHLEY CAMPBELL



You've probably seen these signs along the roadways and wondered what they are about. The Mobile Bay National Estuary Program (MBNEP) and the City of Daphne partnered to place these unique Watershed Signs along local city and state highways. These signs increase public awareness about the importance of watersheds and encourage good stewardship of the City's valuable streams, wetlands, lakes and ground water.

All too often we pass over streams and by lakes without realizing the inter-connection between these bodies of water. The watershed signs will help the motorist and passengers to realize the extent to which the water whose name they recognize may be separated by miles from the watershed boundaries.

A watershed is the entire area of land that drains into a lake, river or other body of water. Watersheds do not follow political boundaries and can end up being split between one or more cities, counties or even states. The D'Olive Creek Watershed drains approximately 7,700 acres of Baldwin County, Daphne and Spanish Fort. The watershed contains over 23 miles of streams which flow into Mobile Bay. Mobile Bay is Alabama's principal estuary, receiving drainage from most of Alabama as well as parts of Georgia and Mississippi, even Tennessee.

Watersheds are a logical way to think about the connection between the land and the quality of water we enjoy. How we manage and treat the land has a direct impact on the ability of water to support a number of important public uses like swimming, fishing, aquatic species habitat and a clean drinking water supply.

The D'Olive Creek Watershed has been severely impacted through the years. Excessive erosion and sedimentation have plagued the watershed since the 1970s. Increased population growth and urban development have continued to intensify these problems. Increased volume and velocity of stormwater runoff, as well as changes to local drainage patterns, have worsened concerns over erosions and sedimentation within the stream network, Lake Forest Lake, D'Olive Bay and Mobile Bay.

To respond to these concerns, a coalition of federal, state and local agencies, property owners and developers formed the D'Olive Watershed Working Group (DWWG). In 2009, this group reached a decision that a comprehensive watershed management plan was needed for the D'Olive Creek Watershed. In 2010, the final Watershed Management Plan (WMP) was released with four primary objectives:

- Reduce upstream sediment inputs into the Lake Forest Lake/D'Olive/Ivawasee system.
- Reduce outgoing sediment loads into D'Olive Bay and the Mobile Bay Estuary.

- Remediate and restore past effects of these sediment loads, including lake restoration.
- Mitigate future impacts of development in the watershed, where feasible.

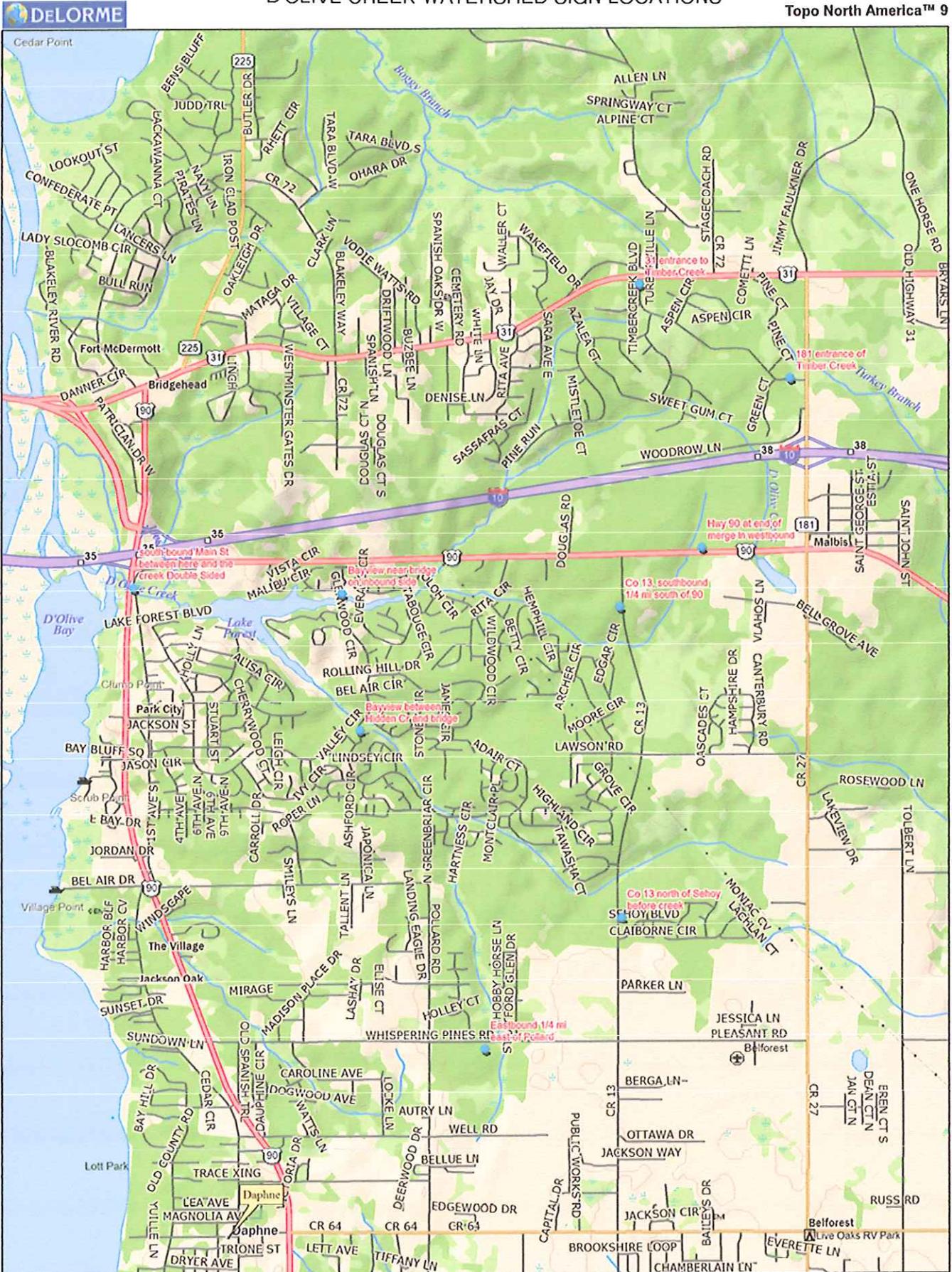
The final watershed management plan is available on the Mobile Bay NEP's website at <http://www.mobilebaynep.com/images/uploads/library/Dolive-Final-Report-Full.pdf>

Efforts are already underway in the implementation of the WMP. One big project to keep an eye on is the Joe's Branch 319 Grant Stream Restoration. The project itself is located in Spanish Fort, but true to the saying that Watershed's do not follow political boundaries, neither does the efforts to restore D'Olive Creek Watershed. Several federal and state agencies, the Cities of Spanish Fort and Daphne, and many others are offering technical and financial assistance with the project. The construction phase of the project should begin no later than this fall.

The overall restoration of D'Olive Watershed will take many years. The City of Daphne is excited to be a part of the process. Our new watershed signs are a small effort in the process and serve to educate the public of the importance of our Watersheds. Just remember.....We all live downstream from someone, and what happens in your watershed does not just stay in it.

http://www.secchidipin.org/Watershed_Signs.htm

D'OLIVE CREEK WATERSHED SIGN LOCATIONS



Data use subject to license.

© DeLorme. Topo North America™ 9.

www.delorme.com

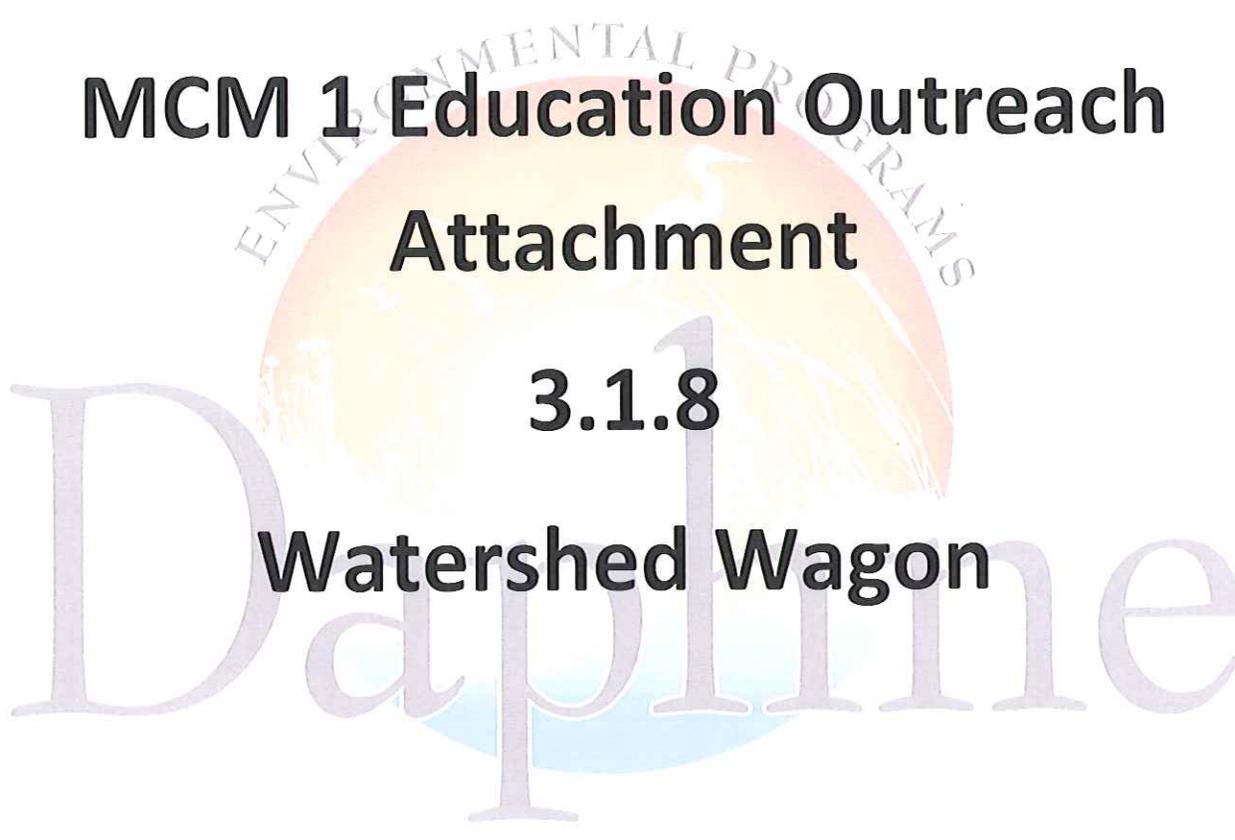


Scale 1 : 43,750



1" = 3,645.8 ft

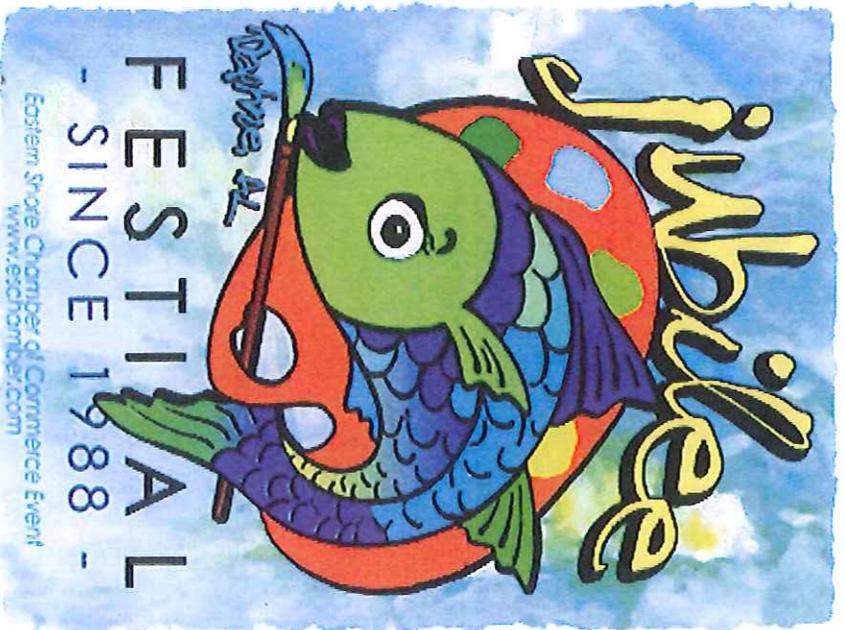
Data Zoom 12-2



**MCM 1 Education Outreach
Attachment**

3.1.8

Watershed Wagon



Jubilee!

The 24th Annual Jubilee Festival, an Eastern Shore Chamber of Commerce event, is scheduled for September 29th and 30th, 2012. 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.

From: Shelton, Michael <Michael.Shelton@dcnr.alabama.gov>
Sent: Saturday, June 23, 2012 10:11 AM
To: Ashley Campbell
Subject: RE: Watershed Wagon

Yes. Sign us up.

Michael Shelton
Weeks Bay National Estuarine Research Reserve
251.928.9792

From: Ashley Campbell [epm@daphneal.com]
Sent: Friday, June 22, 2012 12:09 PM
To: Shelton, Michael
Subject: Watershed Wagon

Just checking, do you still want to do the Watershed Wagon Saturday at the jubilee festival in September?

Ashley Campbell, CPESC
Environmental Programs Manager
epm@daphneal.com
City of Daphne
Office 251-621-3080
Cell 251-234-7122
Fax 251-621-3719