



ALABAMA DEPARTMENT OF TRANSPORTATION

1409 Coliseum Boulevard, Montgomery, Alabama 36110



Robert Bentley
Governor

John R. Cooper
Transportation Director

January 31, 2017

Mr. Lance LeFleur, Director
Alabama Department of Environmental Management
1400 Coliseum Boulevard
Montgomery, Alabama 36110-2059

Attn: Mr. Jeffery Kitchens, PE, Water Division

Re: **MS4 Annual Report FY 2016**
NPDES Permit No. ALS000006

Dear Mr. LeFleur:

Attached is the Fiscal Year 2016 annual report for the ALDOT MS4 Stormwater Management Program (SWMP). This submission maintains ALDOT compliance with Part IV of the ALDOT MS4 permit (NPDES Permit No. ALS000006). The report details the MS4-applicable actions performed by ALDOT and the status of each activity designated by the SWMP Plan (SWMPP) during the period of October 1, 2015, to September 30, 2016.

Please note that this annual report applies to the SWMPP version dated September 30, 2015. Thus, the outcomes of the ADEM audit of the ALDOT MS4 program in May 2016, reflected in the SWMPP version dated January 12, 2017, are not applicable to this report.

If you should have any questions concerning the report or wish to discuss any of the content in the report, please contact Mr. Wade Henry at (334) 242-6464.

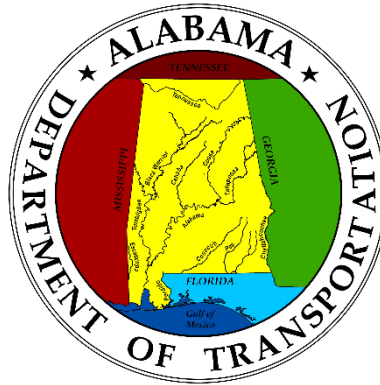
Sincerely,

Don T. Arkle, PE
Chief Engineer

DTA/WFA/WDH/swr

Attachment: FY 2016 MS4 Annual Report

Cc: Region Engineers
Mr. William Adams, PE
Mr. Stacey Glass, PE
Mr. Curtis Vincent, PE
Mr. Scott George, PE
Ms. Maxine Wheeler
Mr. Tony Harris
Mr. Stan Carlton
Ms. Michelle Owens, PE
DB File



**MS4
STORMWATER
MANAGEMENT
PROGRAM**

ANNUAL REPORT
Fiscal Year 2016
(October 1, 2015 – September 30, 2016)

NPDES Permit No. ALS000006

Certification Statement

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



Don T. Arkle, PE
Chief Engineer

1-31-17

Date

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**ALABAMA DEPARTMENT OF TRANSPORTATION
MS4 STORMWATER MANAGEMENT PROGRAM
NPDES Permit No. ALS000006**

**ANNUAL REPORT
Fiscal Year 2016**

I. Introduction

A. Background

The U.S. Environmental Protection Agency (EPA) regulates urban stormwater management under the National Pollutant Discharge Elimination System (NPDES). Urban stormwater collects in, flows through, and discharges from a “municipal separate storm sewer system” (MS4). Thus, EPA refers to the mechanism for regulated urban stormwater management as the “MS4 program.” The Alabama Department of Environmental Management (ADEM) carries out the MS4 program at the State level and regulates urban stormwater management for qualifying public entities in Alabama. (The acronym “MS4” can also refer to such a public entity.)

On March 21, 2013, ADEM issued an individual MS4 permit (NPDES No. ALS000006) to the Alabama Department of Transportation (ALDOT). This MS4 permit is designed specifically for ALDOT and replaces regulatory coverage of ALDOT under MS4 permits issued previously. (Hereinafter, the MS4 Permit will be referred to as simply “the Permit.”) The Permit went into effect on April 1, 2013, and is intended to stay in effect for a term of five years (i.e., through March 30, 2018).

The Permit applies to areas of the State as specified by Permit item I.A. Requirements of the Permit largely fall under six minimum control measures: Structural Controls Operation, Public Education & Public Involvement (PEPI), Illicit Discharge Detection & Elimination (IDDE), Construction Site Stormwater Runoff Control, Post-Construction Stormwater Management, and Pollution Prevention / Good Housekeeping (PPGH). In addition, the Permit also contains specific MS4 monitoring requirements.

ALDOT developed a stormwater management program (SWMP) to address the requirements of the Permit and other MS4 stormwater management objectives. The document containing details of the SWMP is the “Stormwater Management Program Plan” (SWMPP). The SWMPP explains the ALDOT MS4 stormwater management activities to be conducted over the Permit term, the ALDOT parties responsible for particular activities, the goals corresponding to the activities for the Permit term, and the intended timeframes for the completion of activities. The first version of the SWMPP was submitted to ADEM on March 20, 2014. Three revisions of the SWMPP dated September 30, 2014, September 30, 2015, and January 12, 2017, respectively, have been prepared as of the writing of this document.

B. Purpose of the Annual Report

ALDOT provides updates with respect to SWMPP implementation through annual reporting. As required by Permit item IV.A.1, ALDOT submits an annual report to ADEM by January 31 of each year during which the Permit is in effect. Each annual report will cover the previous fiscal year (i.e., October 1 – September 30). Generally, the material included in the report will be governed by Permit items IV.A.3 and IV.B. In addition, the report will describe and provide rationale for modifications made to the SWMPP, in accordance with Permit items II.C.2 and II.C.3.

This document is the annual report covering Fiscal Year (FY) 2016 (i.e., October 1, 2015 – September 30, 2016). While the SWMPP version dated January 12, 2017, is the most recent version of the SWMPP, this annual report applies to the version dated September 30, 2015, since the January 12, 2017, version was developed after FY 2016. MS4-applicable stormwater management actions ALDOT performed during FY 2016 and the statuses of SWMPP-identified activities during FY 2016 are explained in Part II of this report. Part III of this report provides ALDOT's evaluation of its SWMP given actions performed and data collected through the end of FY 2016. In Part IV, the future direction of the SWMP is discussed; the discussion in part addresses modifications made to the SWMPP during FY 2016. Appendices that contain information to supplement Parts II through IV are included in this annual report as well. The appendix structure used in this report is designed to largely mirror that of the SWMPP in order to facilitate connectivity between the SWMPP and this report.

II. Actions Performed & Statuses of Activities during FY 2016

In this section, summaries of FY 2016 actions and statuses are presented for each SWMPP activity category. Emphasis is placed on certain actions and statuses rather than on others, as judged appropriate. A comprehensive list of SWMPP activities with corresponding FY 2016 actions and statuses (“ALDOT MS4 Stormwater Management Activities: Fiscal Year 2016 Actions & Statuses Summary”) is provided in Appendix A to supplement the discussion that follows. The list also contains expected tracking data for activities as well as references for finding additional information.

A. Stormwater Management Program Plan

ALDOT modified the SWMPP during FY 2016. Explanations of those modifications are provided in Part IV of this report.

The timely submission of this annual report will satisfy the annual report submission requirement for Calendar Year 2017. Annual reports for the Permit term to date have been submitted on time.

B. Structural Controls Operation

Beyond the actions taken as part of the Post-Construction Stormwater Management program discussed below in Section II.F, no action was taken with regard to structural BMPs during FY

2016 as there were no fully operational structural BMPs within MS4 areas prior to or during FY 2016.

C. Public Education & Public Involvement

Continuing to address litter as a PEPI program target pollutant, ALDOT renewed in FY 2016 its agreement Alabama People Against a Littered State (PALS) and maintained its agreement with Keep Alabama Beautiful (KALB) throughout FY 2016. The renewed ALDOT-PALS agreement can be found in Appendix C. ALDOT contributed \$265,521 to PALS and \$79,001 to KALB for FY 2016 activities.

As of the writing of this report, over approximately 888 parties were active participants in PALS Adopt-a-Mile performing litter pickup on a total of approximately 979 miles of roadway; participation in PALS Adopt-a-Mile continues to increase over time. ALDOT processed 86 applications for the PALS Adopt-a-Mile program during FY 2016.

To provide further information on the outcomes of ALDOT's support of PALS as a sustaining corporate sponsor, Appendix C includes an example PALS newsletter published during FY 2016 which highlights accomplishments made through programs like Adopt-a-Mile, Adopt-a-Stream, Adopt-an-Area, the "Don't Drop It On Alabama" Spring Cleanup, the Alabama Coastal Cleanup, and the Alabama Clean Campus Program. In addition, a column written by the ALDOT Director to encourage PALS volunteers can be found in the example newsletter (and in other PALS newsletters).

The ALDOT Southwest Region facilitated the PEPI program through several local-level initiatives during FY 2016. An excerpt of a newsletter published by the ALDOT Southwest Region that is provided in Appendix C describes some of the PEPI activities conducted during FY 2016. One important initiative is the "One Clean Mobile" partnership that the ALDOT Southwest Region established with the City of Mobile to control litter at the local watershed level. Through this partnership, the City of Mobile and ALDOT conducted the Spring Hill Avenue Litter Cleanup in April 2016; a flyer advertising the cleanup event is provided in Appendix C.

ALDOT continued its activities addressing the other target pollutants (i.e., sediment, herbicide, chemicals and waste materials) as well during FY 2016. ALDOT carried out its Qualified Credentialed Inspector (QCI) training and vegetation management training programs as expected; the outcomes of these programs are discussed below in Section II.E and Section II.G, respectively. ALDOT conducted its typical good housekeeping training for its support facility employees; outcomes of this training are discussed in Section II.H below. Appendix C provides training data in the table "ALDOT MS4-Applicable Employee Education: Fiscal Year 2016" for initial QCI certification training and the Review for Commercial Applicator Examination course. Appendix C also provides other training data; QCI recertification course data can be found in "ALDOT QCI Recertification Training: Fiscal Year 2016," vegetation management training course data can be found in "ALDOT Vegetation Management Training Course: Fiscal Year 2016," and support facility good housekeeping training data can be found in "ALDOT MS4 Support Facility SPCC and Universal Waste Training: Fiscal Year 2016." Moreover, the

vegetation management training course agendas for Calendar Years 2015 and 2016 are provided in Appendix C.

Regarding interactions with the general public, ALDOT maintained Web-based mechanisms as means to educate and engage with the public, including the Environmental Concerns Reporting Tool that allows citizens to report stormwater concerns. Seven citizen reports were received through the Environmental Concerns Reporting Tool during FY 2016. (Details about the citizen reports and follow-up actions can be found in the “ALDOT Environmental Concerns Log: Fiscal Year 2016” in Appendix C.) Exploring other means of online public outreach, the ALDOT Southwest Region began making the public aware of PEPI activities through Twitter; Appendix C provides some of the PEPI-relevant messages the ALDOT Southwest Region has posted on its Twitter feed during FY 2016.

ALDOT also engaged with the public in significant ways in-person during FY 2016. In an effort to connect ALDOT with parties representing citizen environmental interests (e.g., advocacy groups), ALDOT hosted regional “Environmental Connection Meetings” in the ALDOT East Central, Southwest, and Southeast Regions. The East Central Region meeting announcement and attendee roster (demonstrating the varied ALDOT and citizen group representation present) are provided in Appendix C.

During FY 2016, ALDOT participated in community outreach group meetings for Safe98 (one meeting), the Coliseum Boulevard Plume (four meetings), and the Birmingham Northern Beltline (three meetings). Also, ALDOT began participating in the Capital City Plume project facilitated through the City of Montgomery and had representation at three of its community outreach group meetings. The table “ALDOT Community Outreach Group Meetings: Fiscal Year 2015” in Appendix C gives more information about the community outreach group meetings.

ALDOT employees participated in 34 tracked professional educational events (e.g., conferences, seminars, workshops). The table “ALDOT MS4-Applicable Employee Education: Fiscal Year 2016” in Appendix C lists these events. ALDOT continued Area-level MS4 overview and discussion sessions conducted in order to orient field office personnel to the ALDOT MS4 program. During FY 2016, such sessions were conducted in the Tuscumbia Area of the ALDOT North Region and in the Mobile Area of the ALDOT Southwest Region. ALDOT also facilitated the workshop “Design of LID Stormwater Controls for Transportation Engineering” in April 2016; the agenda for the workshop is given in Appendix C. At a more local level, the ALDOT Southwest Region hosted in July 2016 an MS4 lunch-and-learn event that was attended by ALDOT employees as well as over a hundred professionals not employed by ALDOT; the invitation for the lunch-and-learn event can be found in Appendix C.

Other than the PEPI actions that are explicitly tracked for the purposes of the SWMPP, ALDOT continued its participation in the Montgomery County Water Festival in FY 2016, and the ALDOT Southwest Region began participation in the Baldwin County Water Festival. ALDOT’s funding of stormwater management-related university research continued in FY 2016 as well; Appendix C provides a table indicating the stormwater management-related research

projects supported during FY 2016 and projects supported previously as well as corresponding funding amounts.

In May 2016, ADEM conducted a comprehensive audit of the ALDOT MS4 program. ALDOT considers the audit and the preparation for the audit PEPI in nature as employees became more acquainted with the MS4 program through the audit process. ALDOT conducted a “mock audit” that entailed both practice office interview sessions and support facility visits. Each interview session was devoted to one particular component of the MS4 program (i.e., a control measure like PEPI or MS4 Monitoring). The agenda from the session addressing PEPI is provided in Appendix C as an example session agenda. Support facilities visited included the Central Office Complex, the Montgomery Area Office, the Montgomery District Office, the Dothan District Office, the Mobile Area Office, the Mobile District Office, and the Tunnel Office. Serving as an example, the agenda for the visits to the Mobile-area facilities is given in Appendix C. The agenda for the May 2016 audit itself, indicating the broad ALDOT participation in the audit, is provided in Appendix C as well.

D. Illicit Discharge Detection & Elimination

Major outfall inventory was carried out in the Decatur, Mobile, and Baldwin County MS4 areas during FY 2016. The number of locations studied for major outfall candidates and the number of major outfalls identified for each MS4 area are given in the table “ALDOT Major Outfall Inventory & Screening Summary” in Appendix D. Through the end of FY 2016, 600 locations have been studied, and 164 major outfalls are on the inventory. Major outfalls added to the inventory during FY 2016 were depicted on maps, updating the set of preliminary maps included in the initial version of the SWMPP and previously revised for the SWMPP version dated September 30, 2015. The particular maps in the set updated are provided in Appendix D. No structural BMPs were depicted on the maps because there were no fully operational structural BMPs within MS4 areas as of the end of FY 2016.

The screening of major outfalls was conducted in the Decatur, Mobile, and Baldwin County MS4 areas concurrently with the major outfall inventory. During the FY 2016 screenings, 43 possible illicit discharges were discovered and addressed appropriately. The aforementioned table “ALDOT Major Outfall Inventory & Screening Summary” in Appendix D summarizes screening efforts and the outcomes regarding possible illicit discharges discovered during screening.

The schedule for the inventory (and screening) of major outfalls was revised with greater specificity during FY 2016. This revised schedule is provided in Appendix D.

One other possible illicit discharge was initially reported by a citizen and addressed by ALDOT during FY 2016. The citizen reported possible sanitary sewage present on ALDOT property in Dothan. ALDOT investigated and traced the source of the possible sanitary sewage to the adjacent MS4 (i.e., City of Dothan). ALDOT notified the City of Dothan soon after the investigation of the possible sanitary sewage discharge. Additional details about this possible illicit discharge can be found in the “ALDOT Environmental Concerns Log: Fiscal Year 2016” in Appendix C.

E. Construction Site Stormwater Runoff Control

In FY 2016, ALDOT continued to oversee Construction General Permit coverage and compliance as described in the SWMPP. There were 57 active, permitted construction projects in MS4 areas during FY 2016. Those projects are listed in the table “ALDOT MS4 Active Construction Projects: Fiscal Year 2016” in Appendix E.

ALDOT received one report from the City of Auburn regarding a construction site discharge concern in Auburn. This concern was addressed by ALDOT appropriately. More details about the concern are given in the “ALDOT Environmental Concerns Log: Fiscal Year 2016” in Appendix C.

As noted in Section II.E above, QCI training was carried out as expected during FY 2016. ALDOT facilitated QCI recertification for 459 employees and 267 other individuals over 26 sessions as well as provided the means for 35 employees to obtain initial QCI certification. Information about QCI recertification course sessions is given in “ALDOT QCI Recertification Training: Fiscal Year 2016” in Appendix C.

F. Post-Construction Stormwater Management

ALDOT continued implementing post-construction stormwater management, employing policies and design guidance formalized prior to FY 2016. However, no post-construction BMPs were fully operational in MS4 areas as of the end of FY 2016.

As noted in Section II.C, ALDOT continues to participate in and facilitate post-construction stormwater management-oriented education activities.

G. Pollution Prevention / Good Housekeeping

By March 31, 2016, the ALDOT formalized standard operating procedures (SOPs) for support facility PPGH, as per the goal set in the SWMPP. Excerpts of the manual containing the SOPs are provided in Appendix G. Despite the formalization of SOPs, the support facility PPGH practices outlined in the SWMPP experienced no major changes during FY 2016. Four support facilities revised their SPCC Plans during FY 2016, but the revisions did not impact practices in any significant way.

Eighteen support facilities were inspected during FY 2016, and the deficiencies noted during inspections were resolved or are in the process of resolution in accordance with facility SPCC Plans. The table “ALDOT MS4 Support Facility Annual Inspections: Fiscal Year 2016” in Appendix G lists the facility inspections performed, and deficiencies observed during inspections are indicated in the table or in its attachments.

With respect to support facility good housekeeping training, 14 training sessions covering SPCC and universal waste concepts were held; a total of 250 ALDOT employees participated in the training. A breakdown of training sessions is provided in “ALDOT MS4 Support Facilities SPCC & Universal Waste Training: Fiscal Year 2016” in Appendix C.

Regarding transportation facility PPGH, applicable maintenance activities (i.e., snow and ice control, litter pickup, herbicide treatment and surveillance, drainage structure maintenance, erosion control) continued to be performed in manners intended to reduce negative stormwater runoff impacts. During FY 2016, ALDOT modified its herbicide treatment surveillance protocol such that surveillance is performed using a spot-check approach in lieu of requiring surveillance for every herbicide application. ALDOT had experienced no “adverse incident” of herbicide application, as defined by the Pesticides General Permit, since surveillance commenced in June 2012. Thus, with ADEM approval, ALDOT reduced the economic burden of performing surveillance and made more resources available for other transportation facility maintenance by transitioning to the spot-check approach. A memorandum notifying ALDOT personnel of the change in the herbicide treatment surveillance maintenance performance guideline is provided in Appendix G. All other transportation facility PPGH activities were implemented as they were implemented prior to FY 2016. Estimates of work amounts performed during FY 2016 in particular MS4 areas for specific activities are given in “ALDOT MS4 Transportation Facility Maintenance: Fiscal Year 2016” in Appendix G.

As noted above in Section II.C, vegetation management training continued throughout FY 2016. Eleven sessions of the vegetation management training course were held for a total of 379 participants. Details about individual vegetation management training course sessions are provided in the table “ALDOT Vegetation Management Training Course: Fiscal Year 2016” in Appendix C. Agendas for this training (for specific Calendar Years 2015 and 2016) are also provided in Appendix C. Also, eight vegetation management training newsletters were distributed during FY 2016. In addition, a total of 93 employees over six sessions held during FY 2016 participated in the “Review for Commercial Applicator Examination” course, as indicated in the table “ALDOT MS4-Applicable Employee Education: Fiscal Year 2016” in Appendix C.

H. MS4 Monitoring

ALDOT continued field implementation of its MS4 Monitoring program during FY 2016. Monitoring data collection commenced at selected monitoring locations in Mobile (Halls Mill Creek) and Daphne (D’Olive Creek) prior to FY 2016 and completed at the two locations during FY 2016 after respective study periods of approximately six months, in accordance with the SWMPP. The monitoring conducted at the Daphne location was done through coordination between ALDOT and the City of Daphne; ALDOT deployed a sonde at an upstream site, and the City of Daphne made use of a previously deployed sonde downstream. Apparent bias due to external factors beyond ALDOT control affected the data collected at both locations. In turn, the data collected does not allow ALDOT to draw viable conclusions about the impact ALDOT MS4 drainage has on a receiving water. This outcome largely mirrors the outcome of monitoring completed during FY 2015 at the selected monitoring locations in Montgomery (Three Mile Branch) and Auburn (unnamed tributary of Moore’s Mill Creek). Thus, there is still no definitive evidence of ALDOT contribution to pollution given the monitoring work completed through the end of FY 2016.

Monitoring commenced at locations in Hartselle (Flint Creek) and Huntsville (Flint River) during FY 2016 and is ongoing as of the end of FY 2016. These locations are the final locations

to be studied during the Permit term. In the September 30, 2015, version of the SWMPP, a location in Tuscaloosa (Hurricane Creek) and another location in Huntsville (Beaverdam Creek) are named as the final two locations for study, but ALDOT decided to perform monitoring at different locations owing to site suitability for sonde deployment. Outcomes of monitoring at the Hartselle and Huntsville locations will be discussed in the FY 2017 MS4 annual report.

Further discussion regarding the monitoring work performed, the data collected, the factors influencing data integrity, and the FY 2016 outcomes of the monitoring work is provided by a summary report in Appendix H.

III. Evaluation of the Stormwater Management Program

Many aspects of the ALDOT SWMP continued functioning in FY 2016 largely as they had in previous years. Some aspects, though, were implemented in FY 2016 or at some time shortly before FY 2016. Consequently, ALDOT can confidently assess the well-established aspects of the SWMP, but more time is needed before ALDOT can completely and validly assess the other aspects of the program. With the proper perspective provided, ALDOT's evaluation of its SWMP as of the end of FY 2016 follows.

A. Overall Program Compliance Status

Actions expected by either the Permit or the SWMPP to be performed during FY 2016 were performed by ALDOT in a timely manner. From the beginning of the Permit term through the end of FY 2016, ALDOT experienced no instances of significant non-compliance with the Permit or the SWMPP.

The ADEM audit conducted in May 2016 resulted in "satisfactory" ratings with respect to most aspects of the ALDOT MS4 program, though ADEM requested additional specificity in the SWMPP regarding activity outcomes and coordination among ALDOT parties. The January 12, 2017 version of the SWMPP contains the modifications motivated by ADEM audit feedback. Those modifications will be discussed in detail in the FY 2017 MS4 annual report.

B. Major Findings Resulting from the Program

Data from field implementation remained somewhat limited through the end of FY 2016, and thus ALDOT's ability to report major findings is limited. However, encouraging signs of a functional SWMP have been observed from program implementation to date. While viable conclusions about the ALDOT MS4 contribution to stream pollution cannot be drawn from the MS4 monitoring data collected to date, it is noteworthy that no definitive evidence of such contribution was found in the monitoring work performed in FY 2015 and FY 2016. Moreover, findings from environmental concerns reporting, major outfall screening, and good housekeeping on ALDOT property indicate no major or widespread deficiencies in ALDOT MS4 stormwater management practices. New citizen groups began participating in the PALS Adopt-a-Mile program during FY 2016, and the accomplishments of PALS and KALB demonstrate the importance of ALDOT support of those anti-litter organizations. The ALDOT anti-litter partnership with the City of Mobile (i.e., "One Clean Mobile") and the partnership between

ALDOT and the City of Daphne to monitor D'Olive Creek in Daphne have been fruitful, encouraging ALDOT to pursue partnerships with other MS4s in the future.

C. Program Strengths & Weaknesses

ALDOT considers its well-established MS4-applicable activities to be noteworthy strengths of its SWMP. In particular, education of employees, education of the public, involvement with the public, construction stormwater management, and PPGH for transportation facilities are typically conducted in highly proficient manners and usually achieve expected outcomes and even outcomes beyond those required by the Permit. The IDDE program is gaining strength as the successful field implementation of major outfall inventory and screening continues. With formalization of PPGH procedures for ALDOT support facilities, the official documentation now exists for effective practices already in place at the support facilities.

ALDOT's MS4 Monitoring program is indeed more sensible than monitoring efforts conducted under previous MS4 permits, but the biases in the monitoring data collected, discussed above in Section II.H, make the data less meaningful than desired and continue to motivate ALDOT to explore ways of better preserving the integrity of data, if possible, so that viable conclusions can be drawn. The Post-Construction Stormwater Management program implementation has been smooth overall to date, but the implementation has only applied to the design phase of projects thus far; field implementation of post-construction BMPs will be needed to adequately gauge the effectiveness of the program.

D. Overall Program Effectiveness

Despite limited field implementation data, the ALDOT SWMP shows potential for long-term effectiveness. This assessment is based on the success of the implemented aspects of the program and the progress made through the end of FY 2016 with respect to the development of other aspects of the program.

Highlighting the general effectiveness of ALDOT MS4 program components working together is an account in *A Naturalist Goes Fishing* by James McClintock, published during FY 2016. McClintock provides the reader with insight of ALDOT's construction stormwater management and involvement with the public during the design and construction of a segment of the Birmingham Northern Beltline near Self Creek. He explains the collaboration in which ALDOT engaged with environmental advocates such that an agreement about stream protection goals among all parties was achieved prior to the start of construction in the field, the robust construction stormwater practices ALDOT employed in the field, and the high degree of effectiveness of those practices as perceived by the advocates.

IV. Future Direction of the Program

In general, ALDOT will continue to conduct activities as indicated in the SWMPP, given the progress that largely met expectations during FY 2016 and the absence of significant setbacks.

ALDOT updated the SWMPP to reflect the current states of MS4 programs as of the end of FY 2016. Other modifications were needed as well given observations and findings from program implementation. The ways in which the SWMPP was revised are explained below:

- Some SWMPP responsibilities were reassigned to more appropriate parties. The development of the PEPI program was assigned solely to the ALDOT Media & Community Relations Bureau in the September 30, 2015, version of the SWMPP, but in reality multiple ALDOT parties have developed the PEPI program jointly. Chapter 3 of the SWMPP (Public Education & Public Involvement) has been updated to assign PEPI program development jointly to the Media & Community Relations, Design, Maintenance, Construction, Materials & Tests, and Training Bureaus along with the ALDOT Regions. The SWMPP also had the development of post-construction BMP inspection and maintenance policies and procedures as a role of the ALDOT Design Bureau. However, after implementation of the Post-Construction Stormwater Management program, it was more reasonable to assign this role to the Maintenance Bureau, and thus Chapter 6 (Post-Construction Stormwater Management) has been modified to reflect that change in assignment. Tracking of QCI recertification training and the vegetation management training course were assigned in the SWMPP to the ALDOT Training Bureau only, but the Construction Bureau and the Maintenance Bureau also play roles, respectively, in the tracking, so Chapter 3, Chapter 5 (Construction Site Stormwater Runoff Control), and Chapter 7 (Pollution Prevention / Good Housekeeping) were modified accordingly.
- As discussed above in Section II.G, herbicide treatment surveillance is performed in a spot-check manner as of FY 2016. Chapter 7 of the SWMPP was modified to explain the spot-check approach, and the memorandum informing ALDOT personnel of the change in the herbicide treatment surveillance maintenance performance guideline was included as a supplement to the excerpts of maintenance performance guidelines in Appendix G of the SWMPP.
- As noted above in Section II.H, the final two monitoring locations for the Permit term were reassigned during FY 2016. In the September 30, 2015, version of the SWMPP, locations in Tuscaloosa (Hurricane Creek) and in Huntsville (Beaverdam Creek) were named as the final two locations, but ALDOT decided to change those locations to one in Hartselle (Flint Creek) and a different one in Huntsville (Flint River), owing to site suitability for sonde deployment. Chapter 8 of the SWMPP (MS4 Monitoring) was revised to reflect these changes.
- Various minor revisions were made to the prose in order to enhance clarity, correct grammar, and address other issues that do not pertain to the actual commitments ALDOT made in the SWMPP.

Additional significant SWMP adjustments were motivated in response to the outcomes of the ADEM MS4 audit conducted in May 2016. The January 12, 2017, version of the SWMPP reflects those adjustments, and the adjustments will be explained further in the FY 2017 annual report.

Appendix A:

Supplemental Material for Section II.A

ALDOT MS4 Stormwater Management Activities:
Fiscal Year 2016 Actions & Statuses Summary

**ALDOT MS4 Stormwater Management Activities:
Fiscal Year 2016 Actions & Statuses Summary**

Permit Requirement(s)	Activity	Associated ALDOT Personnel	Permit Term Goal	Actions / Status During FY 2016	Supplemental Information
Stormwater Management Program Plan					
II.A.1; II.A.2; II.C.1; II.C.2; II.C.3	Development & updating of Stormwater Management Program Plan (SWMPP)	State Design Engineer	Develop SWMPP. Revise SWMPP as needed throughout Permit term.	SWMPP developed. Two revisions (dated 09/30/2014 and 09/30/2015, respectively) made to SWMPP as of the end of FY 2016. (Another revision made dated 01/12/2017 does not apply to this report since the revision was made in FY 2017.)	See Part IV for explanations of revisions made to SWMPP. (All citations of SWMPP below refer to the 09/30/2015 revision.)
IV.A.1; IV.A.3; IV.B	Annual reports	State Design Engineer	Compile and submit to ADEM an annual report for the previous fiscal year by January 31 of every year during which Permit is in effect.	Annual report for FY 2016 compiled and submitted to ADEM. Annual reports for Permit term to date have been submitted on time.	
Structural Controls Operation					
II.B.1.b; II.B.1.c	Inspections of structural BMPs	State Maintenance Engineer; Equipment Bureau Chief; Region Engineers	Inspect each BMP after fully operational at least every 2 years.	No action. (No fully operational BMPs during FY 2016.)	
II.B.1.b; II.B.1.c	Non-emergency maintenance of structural BMPs	State Maintenance Engineer; Equipment Bureau Chief; Region Engineers	Track work reports completed for each BMP.	No action. (No fully operational BMPs during FY 2016.)	
II.B.1.b; II.B.1.c	Structural BMP emergency maintenance	State Maintenance Engineer; Equipment Bureau Chief; Region Engineers	Track work reports completed for each BMP.	No action. (No fully operational BMPs during FY 2016.)	
Public Education & Public Involvement					
II.B.2.a	Development of PEPI program	Media & Community Relations Bureau Chief	Develop program. Adjust program if needed after future program evaluation.	Program developed. No major revisions during FY 2016.	See SWMPP (c. 3) for a description of the PEPI program.
II.B.2.b.1	Identification of potential pollutants to be targeted by PEPI program	Media & Community Relations Bureau Chief	Identify potential pollutants.	Pollutants identified.	See SWMPP (s. 3.2) for discussion regarding pollutant identification.
II.B.2.b.2; II.B.2.b.3; II.B.2.c.1.a; II.B.2.c.1.b; II.B.2.c.1.d	Coordination with litter-oriented organizations to support litter awareness campaigns & litter pickup activities	State Maintenance Engineer	Maintain agreement with at least 1 organization throughout Permit term.	Agreement Alabama PALS renewed in FY 2016. Agreement with Keep Alabama Beautiful maintained.	See App. C for PALS agreement (FYs 2016-18). See SWMPP (App. C) for Keep Alabama Beautiful agreement.
II.B.2.c.1.d	Support of environmental restoration activities	State Design Engineer	Support at least 1 activity during Permit term.	Supported Cypress Nature Park (Montgomery) development and restoration, Parkerson's Mill Creek (Auburn) restoration, and Joe's Branch (Spanish Fort) restoration during Permit term.	

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Permit Requirement(s)	Activity	Associated ALDOT Personnel	Permit Term Goal	Actions / Status During FY 2016	Supplemental Information
II.B.2.b.2; II.B.2.b.3	Mechanism to provide public with stormwater management information & opportunities for involvement	State Design Engineer	Develop and maintain Web site.	Web site developed. Maintained throughout FY 2016.	Link to Web site: http://www.dot.state.al.us/dsweb/div_ped/EnvironmentalCoordination/EnvironmentalCoordination.html .
II.B.2.b.4; II.B.2.d.2	Mechanism to engage public in the development of SWMPP	State Design Engineer	Develop and maintain Web site.	Web site developed. Maintained throughout FY 2016.	Link to Web site: http://www.dot.state.al.us/dsweb/div_ped/EnvironmentalCoordination/ALDOTMS4.html .
II.B.2.c.1.c	Mechanism for citizen reporting of concerns	State Design Engineer	Develop and maintain Web reporting tool.	Web reporting tool developed. Maintained throughout FY 2016.	Link to Web reporting tool: http://miscwapps.dot.state.al.us/EC_Concern/ .
II.B.2.c.2; II.B.2.c.3	Development of construction stormwater awareness program	State Construction Engineer	Develop QCI training program.	QCI training program implemented.	See SWMPP (ss. 3.3.2 & 5.4) for details regarding the QCI training program.
II.B.2.c.3	Development of vegetation management training program	State Maintenance Engineer	Develop vegetation management training program.	Vegetation management training program implemented.	See SWMPP (ss. 3.3.2 & 7.3.6) for details regarding the vegetation management training program.
II.B.2.c.3	Development of training program for potential pollutants from support facilities	Materials & Tests Engineer	Develop program. Adjust program if needed after good housekeeping procedures formalized.	Program developed. No major revisions during FY 2016.	See SWMPP (ss. 3.3.2 & 7.2.5) for details regarding support facility employee training program.
II.B.2.d.3	Tracking of group/individual applications for Adopt-a-Mile program	State Maintenance Engineer	Track applications while ALDOT-PALS agreement is in effect.	86 applications processed during FY 2016.	See App. C for PALS agreement.
II.B.2.d.3	Tracking of employee initial QCI certification	Training Bureau Chief	Track employees certified.	28 employees certified during FY 2016.	See App. C for "ALDOT MS4-Applicable Employee Education: Fiscal Year 2016."
II.B.2.d.3	Tracking of participants in QCI recertification training	Training Bureau Chief	Track participants.	726 participants (459 ALDOT for recertification, 248 non-ALDOT for recertification, 19 "audit-only") during FY 2016.	See App. C for "ALDOT QCI Recertification Training: Fiscal Year 2016."
II.B.2.d.3	Tracking of vegetation management training course participants	Training Bureau Chief	Track participants.	379 participants (304 ALDOT, 75 non-ALDOT) for training purposes during FY 2016.	See App. C for "ALDOT Vegetation Management Training Course: Fiscal Year 2016."
II.B.2.d.3	Tracking of participants of "Review for Commercial Applicator Examination" course	Training Bureau Chief	Track participants.	93 ALDOT employees participated during FY 2016.	See App. C for "ALDOT MS4-Applicable Employee Education: Fiscal Year 2016."
II.B.2.d.3	Tracking of support facility employees participating in good housekeeping training	Materials & Tests Engineer; Region Engineers	Track employees participating.	250 employees participated during FY 2016.	See App. C for "ALDOT MS4 Support Facilities SPCC & Universal Waste Training: Fiscal Year 2016."
II.B.2.d.3	Tracking of professional educational events (e.g., conferences, seminars, workshops) in which employees participate	Training Bureau Chief	Track events with ALDOT participation.	ALDOT participated in at least 34 events during FY 2016.	See App. C for "ALDOT MS4-Applicable Employee Education: Fiscal Year 2016."
II.B.2.d.3	Tracking of citizen reports received by reporting mechanism	State Design Engineer	Track reports received.	7 reports received via Web reporting tool during FY 2016.	See App. C for "ALDOT Environmental Concerns Log: Fiscal Year 2016."
II.B.2.d.4	Tracking of funding of litter-oriented organizations (for PSAs, brochures, litter pickup logistics, etc.)	State Maintenance Engineer	Track total dollars of support.	\$265,521 contributed to PALS during FY 2016. \$79,001 contributed to Keep Alabama Beautiful during FY 2016.	See App. C for PALS agreement (FYs 2016-18). See SWMPP (App. C) for Keep Alabama Beautiful agreement.
II.B.2.d.4	Tracking of QCI recertification training sessions	Training Bureau Chief	Track sessions facilitated.	26 sessions facilitated during FY 2016.	See App. C for "ALDOT QCI Recertification Training: Fiscal Year 2016."
II.B.2.d.4	Tracking of vegetation management training course sessions	Training Bureau Chief	Track sessions facilitated.	11 sessions facilitated during FY 2016.	See App. C for "ALDOT Vegetation Management Training Course: Fiscal Year 2016."
II.B.2.d.4	Tracking of vegetation management training newsletters created & distributed	State Maintenance Engineer	Track newsletters distributed.	8 newsletters distributed during FY 2016.	See SWMPP (App. C) for example newsletter.

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Permit Requirement(s)	Activity	Associated ALDOT Personnel	Permit Term Goal	Actions / Status During FY 2016	Supplemental Information
II.B.2.d.4	Tracking of sessions of "Review for Commercial Applicator Examination" course	Training Bureau Chief	Track sessions facilitated.	6 sessions facilitated during FY 2016.	See App. C for "ALDOT MS4-Applicable Employee Education: Fiscal Year 2016."
II.B.2.d.4	Tracking of support facility good housekeeping training sessions	Materials & Tests Engineer; Region Engineers	Track sessions facilitated.	14 sessions facilitated during FY 2016.	See App. C for "ALDOT MS4 Support Facilities SPCC & Universal Waste Training: Fiscal Year 2016."
II.B.2.d.4	Tracking of community outreach meetings with ALDOT participation	Media & Community Relations Bureau Chief	Track meetings with ALDOT participation.	ALDOT participated in 1 Safe98 meeting, 4 Coliseum Boulevard Plume meetings, and 3 Birmingham Northern Beltline meetings during FY 2016. ALDOT begun involvement in the Capital City Plume project during FY 2016; an ALDOT consultant participated in 3 Capital City Plume meetings during FY 2016.	See App. C for "ALDOT Community Outreach Group Meetings: Fiscal Year 2016."
Illicit Discharge Detection & Elimination					
II.B.3.a.1; II.B.3.b.4	Development & updating of MS4 major outfall / structural BMP maps	State Design Engineer	Develop preliminary maps. Update maps as needed annually.	Preliminary maps developed during development of initial SWMPP version. Maps updated with major outfalls on inventory as of 09/30/2016.	See App. D for specific maps updated with major outfalls added to inventory during FY 2016.
II.B.3.a.1	Development & updating of MS4 mapping schedule	State Design Engineer	Develop general schedule. Update schedule as needed annually.	Schedule updated during FY 2016.	See App. D for updated schedule.
II.B.3.a.1; II.B.3.b.4	Major outfall inventory	State Maintenance Engineer; Equipment Bureau Chief; Region Engineers	Inventory all major outfalls existing at start of Permit term by 03/31/2018. Expecting preparation during 2nd year of Permit term and inventory conducted during balance of term.	Inventory completed for the Decatur, Mobile, and Baldwin County MS4 areas during FY 2016.	See App. D for "ALDOT Major Outfall Inventory & Screening Summary." Inventory is kept on file at ALDOT.
II.B.3.a.2	Development of non-stormwater discharge policies & procedures	State Maintenance Engineer	Develop policies and procedures. Make policies and procedures official by the end of the 2nd year of Permit term.	Policies and procedures developed and remain in place.	See SWMPP (s. 4.2) for policies and procedures.
II.B.3.a.3; II.B.3.b.3	Development & updating of IDDE training program	State Design Engineer; State Maintenance Engineer	Develop general program. Update program as needed annually. Expecting training materials to be prepared during 2nd year of Permit term.	No inventory or screening training material developed. (Inventory and screening implementation through FY 2016 was delegated to consultant; consultant handles training internally.)	See SWMPP (s. 4.8) for discussion regarding IDDE training.
II.B.3.a.3	Facilitation of IDDE training sessions	Training Bureau Chief	Track sessions facilitated.	No action (due to delegating of inventory and screening to consultant).	
II.B.3.a.4	Dry-weather screening of "normal" major outfalls	State Maintenance Engineer; Equipment Bureau Chief; Region Engineers	Pilot-test screening method. Screen each major outfall on inventory not in a priority area at least once during Permit term.	Screening performed during inventory of major outfalls in the Decatur, Mobile, and Baldwin County MS4 areas in FY 2016.	See App. D for "ALDOT Major Outfall Inventory & Screening Summary." Comprehensive screening data kept on file at ALDOT.
II.B.3.a.4	Dry-weather screening of "priority area" major outfalls	State Maintenance Engineer; Equipment Bureau Chief; Region Engineers	Designate priority areas as warranted according to inventory and screening data collected during Permit term. Screen each major outfall on inventory in a priority area at least once during Permit term.	No action. (No priority areas designated as of the end of FY 2016.)	

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Permit Requirement(s)	Activity	Associated ALDOT Personnel	Permit Term Goal	Actions / Status During FY 2016	Supplemental Information
II.B.3.a.4; II.B.3.b.2	Follow-up major outfall dry-weather screening	State Maintenance Engineer; Equipment Bureau Chief; Region Engineers	Track follow-up screenings of each major outfall on inventory.	No action.	
II.B.3.a.5	Development of illicit discharge tracing procedure	State Design Engineer	Develop and pilot-test procedure.	Procedure developed and in-use during major outfall screening.	See SWMPP (s. 4.5.1) for discussion regarding tracing procedure. See SWMPP (App. D) for "ALDOT Major Outfall Screening Form."
II.B.3.a.6	Development of indicator monitoring strategy for evaluating suspect illicit discharges	State Design Engineer	Develop and pilot-test strategy.	Strategy developed and in-use during major outfall screening.	See SWMPP (s. 4.5.1) for discussion regarding indicator monitoring strategy. See SWMPP (App. D) for "ALDOT Major Outfall Screening Form."
II.B.3.a.7	Development of procedures to notify ADEM of possible illicit discharges	State Maintenance Engineer	Develop procedures.	Procedures developed and remain in place.	See SWMPP (s. 4.7) for discussion regarding reporting procedures.
II.B.3.a.8	Mechanism for citizens to report possible illicit discharges	State Design Engineer	Develop and maintain Web reporting tool.	Web reporting tool maintained throughout FY 2016.	Link to Web reporting tool: http://miscwapps.dot.state.al.us/EC_Concern/ .
II.B.3.b.2	Compilation & updating of IDDE "priority area" candidates list	State Design Engineer	Compile initial list. Update list as needed annually.	No action. (No priority areas designated as of the end of FY 2016.)	
II.B.3.b.5	Recordkeeping of possible illicit discharges reported / discovered	State Maintenance Engineer	Track reports processed.	43 discoveries of possible illicit discharge made during major outfall screening in FY 2016. 1 report of possible illicit discharge processed during FY 2016.	See App. C for "ALDOT Environmental Concerns Log: Fiscal Year 2016" and App. D for "ALDOT Major Outfall Inventory & Screening Summary."
Construction Site Stormwater Runoff Control					
II.B.4.a.1; II.B.4.b.1	Development of procedures to require Construction General Permit coverage for construction sites	State Construction Engineer; State Design Engineer	Develop procedures.	Procedures developed.	See SWMPP (s. 5.2) for discussion regarding procedures.
II.B.4.a.2; II.B.4.b.2	Development of contract requirements for erosion & sediment control	State Construction Engineer	Develop requirements.	Requirements developed.	See SWMPP (s. 5.2) for discussion regarding requirements.
II.B.4.a.3	Development of internal policies for proper permit coverage of construction activities	State Construction Engineer; State Maintenance Engineer	Develop policies.	Policies developed.	See SWMPP (ss. 5.2 & 5.5) for discussion regarding policies. See SWMPP (App. D) for Forms MB-05 and MB-07.
II.B.4.a.4	Mechanism for citizen reporting of construction site discharge concerns	State Design Engineer	Develop and maintain Web reporting tool.	Web reporting tool developed. Maintained throughout FY 2016.	Link to Web reporting tool: http://miscwapps.dot.state.al.us/EC_Concern/ .
II.B.4.a.5; II.B.4.b.3	Development of construction stormwater BMP training program	State Construction Engineer	Develop QCI training program.	QCI training program implemented.	See SWMPP (ss. 3.3.2 & 5.4) for details regarding the QCI training program.
II.B.4.a.6; II.B.4.b.4	Referral of unauthorized construction activity to ADEM	State Maintenance Engineer	Formalize referral policy by 03/31/2015. Track referrals.	Policy formalized. No referrals during FY 2016.	See SWMPP (s. 5.5) for formal policy and discussion regarding policy.
II.B.4.c.2	Compilation & updating list of construction sites in MS4 areas	State Construction Engineer	Maintain list with updates as needed annually.	List updated for FY 2016. (57 permitted projects in MS4 areas during FY 2016.) List updates on schedule for Permit term to date.	See App. E for "ALDOT MS4 Active Construction Projects (Transportation Facilities): Fiscal Year 2016."
II.B.4.d.1	Recordkeeping of submitted citizen concerns & follow-up actions	State Design Engineer	Track reports submitted and follow-up actions.	1 report relating to construction site stormwater runoff control submitted through Web reporting tool during FY 2016. Appropriate follow-up actions taken by ALDOT.	See App. C for "ALDOT Environmental Concerns Log: Fiscal Year 2016."
II.B.4.d.2	Tracking of QCI recertification training sessions	Training Bureau Chief	Track sessions facilitated.	26 sessions facilitated during FY 2016.	See App. C for "ALDOT QCI Recertification Training: Fiscal Year 2016."
II.B.4.d.2	Tracking of employee initial QCI certification	Training Bureau Chief	Track employees certified.	35 employees certified during FY 2016.	See App. C for "ALDOT MS4-Applicable Employee Education: Fiscal Year 2016."

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Permit Requirement(s)	Activity	Associated ALDOT Personnel	Permit Term Goal	Actions / Status During FY 2016	Supplemental Information
II.B.4.d.2	Tracking of participants in QCI recertification training	Training Bureau Chief	Track participants.	726 participants (459 ALDOT for recertification, 248 non-ALDOT for recertification, 19 "audit-only") during FY 2016.	See App. C for "ALDOT QCI Recertification Training: Fiscal Year 2016."
Post-Construction Stormwater Management					
II.B.5.a.1	Development of post-construction program with specific stormwater management goals	State Design Engineer	Develop program by 03/31/2015.	Program, including "GFO 3-73: Post-Development Stormwater Management" and design guidance components, developed and implemented.	See SWMPP (c. 6) for discussion regarding post-construction program. See SWMPP (App. F) for "GFO 3-73: Post-Development Stormwater Management," "Determining Runoff for Small Storm Events," and "Post-Development Stormwater Risk Assessment."
II.B.5.a.2	Development of LID/GI SOP for transportation & support facilities	State Design Engineer	Develop SOP by 03/31/2015.	SOP ("GFO 3-73: Post-Development Stormwater Management") developed and implemented.	See SWMPP (c. 6) for discussion regarding post-construction program. See SWMPP (App. F) for "GFO 3-73: Post-Development Stormwater Management."
II.B.5.a.3	Implementation of LID/GI practices	State Design Engineer	Track practices as implemented.	LID/GI SOP ("GFO 3-73: Post-Development Stormwater Management") developed and implemented. Projects let for construction bidding on or after 04/01/2015 must be implemented in accordance with GFO 3-73.	See SWMPP (App. F) for "GFO 3-73: Post-Development Stormwater Management."
II.B.5.a.4	Development of management policies (inspection & maintenance) for post-construction BMPs at new transportation & support facilities	State Design Engineer	Develop policies by 03/31/2015.	Policies remain in development. (No BMPs fully operational as of the end of FY 2016. Will modify policies using findings from field implementation of BMPs prior to finalization of policies.)	See SWMPP (ss. 6.6-6.7) for discussion regarding future inspection and maintenance policies. See SWMPP (App. F) for draft of "ALDOT Post-Construction BMP Inspection Form."
II.B.5.a.5; II.B.5.c.2; II.B.5.d.1	Inspections of structural BMPs	State Maintenance Engineer; Equipment Bureau Chief; Region Engineers	Inspect each BMP after fully operational at least every 2 years.	No action. (No BMPs fully operational as of end of FY 2016.)	
II.B.5.b.1	Development of general approach for meeting II.B.5.a.1	State Design Engineer	Develop general approach.	General approach developed and included in 03/20/2014 version of SWMPP.	
II.B.5.b.2	Scheduling for LID/GI SOP development	State Design Engineer	Develop schedule.	Scheduled developed and included in 03/20/2014 version of SWMPP.	
II.B.5.b.3	Scheduling for post-construction policy-making	State Design Engineer	Develop schedule.	Scheduled developed and included in 03/20/2014 version of SWMPP.	
II.B.5.b.4	Develop procedures for post-construction BMP inspection	State Design Engineer	Develop and pilot-test procedures.	Procedures developed. No pilot-testing performed. (No BMPs fully operational as of the end of FY 2016.)	See SWMPP (s. 6.6) for discussion regarding future inspection procedures. See SWMPP (App. F) for draft of "ALDOT Post-Construction BMP Inspection Form."
II.B.5.b.5	Develop procedures to require post-construction BMP maintenance	State Design Engineer	Develop procedures. Formalize procedures with GFO.	Procedures remain in development. ("GFO 3-73: Post-Development Stormwater Runoff Management" developed, but BMP maintenance procedures not addressed in GFO. Will modify procedures using findings from field implementation of BMPs prior to finalization of procedures.)	See SWMPP (s. 6.7) for discussion regarding future maintenance procedures. See SWMPP (App. F) for draft of "ALDOT Post-Construction BMP Inspection Form."
II.B.5.c.1	Inventory of post-construction BMPs	State Design Engineer	Develop and pilot-test method. Update inventory with fully operational BMPs.	Method developed. No pilot-testing or inventory additions during FY 2016. (No BMPs fully operational as of the end of FY 2016.)	See SWMPP (s. 6.5) for discussion regarding inventory method. See SWMPP (App. F) for drafts of "ALDOT Post-Construction BMP Inventory Form for Transportation Facilities" and "ALDOT Post-Construction BMP Inventory Form for Support Facilities."

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Permit Requirement(s)	Activity	Associated ALDOT Personnel	Permit Term Goal	Actions / Status During FY 2016	Supplemental Information
II.B.5.c.2; II.B.5.d.1	Inspections of non-structural BMPs	State Maintenance Engineer; Equipment Bureau Chief; Region Engineers	Inspect each BMP after fully operational at a frequency TBD by post-construction program.	No action. (No BMPs fully operational as of the end of FY 2016.)	
II.B.5.c.3	Non-emergency maintenance of structural BMPs	State Maintenance Engineer; Equipment Bureau Chief; Region Engineers	Track work reports completed for each BMP.	No action. (No BMPs fully operational as of the end of FY 2016.)	
II.B.5.c.3	Non-emergency maintenance of non-structural BMPs	State Maintenance Engineer; Equipment Bureau Chief; Region Engineers	Track work reports completed for each BMP.	No action. (No BMPs fully operational as of the end of FY 2016.)	
II.B.5.c.3	Structural BMP emergency maintenance	State Maintenance Engineer; Equipment Bureau Chief; Region Engineers	Track work reports completed for each BMP.	No action. (No BMPs fully operational as of the end of FY 2016.)	
II.B.5.c.3	Non-structural BMP emergency maintenance	State Maintenance Engineer; Equipment Bureau Chief; Region Engineers	Track work reports completed for each BMP.	No action. (No BMPs fully operational as of the end of FY 2016.)	
Pollution Prevention / Good Housekeeping					
II.B.6.a.1; II.B.6.b.1; II.B.6.c.1	Inventory of support facilities with pollution potential	Materials & Tests Engineer	Develop inventory. Update inventory as needed annually.	No revisions to inventory during FY 2016.	See SWMPP (App. G) for "ALDOT MS4 Support Facilities."
II.B.6.a.2; II.B.6.b.2; II.B.6.c.2	Development & updating of support facility PPGH inspection program	Materials & Tests Engineer	Develop program. Adjust program as needed after good housekeeping SOPs formalized. Update program as needed annually.	Program developed. SOPs formalized by 03/31/2016; no major revisions to program made.	See SWMPP (s. 7.2) for discussion regarding program. See App. G for formalized SOPs (i.e., Support Facility Procedures Manual).
II.B.6.a.3; II.B.6.b.3; II.B.6.c.3	Development & updating of good housekeeping SOPs for support facilities	Materials & Tests Engineer	Formalize SOPs by 03/31/2016. Update formalized SOPs as needed annually.	SOPs formalized by 03/31/2016. (SOPs provided in Support Facility Procedures Manual effective April 2016.)	See App. G for formalized SOPs (i.e., Support Facility Procedures Manual). See SWMPP (s. 7.2.2) for discussion regarding SOPs.
II.B.6.a.4; II.B.6.b.4	Development of support facility good housekeeping training program	Materials & Tests Engineer	Develop program. Adjust program as needed after good housekeeping SOPs formalized.	Program developed. SOPs formalized by 03/31/2016; no major revisions to program made.	See SWMPP (s. 7.2.5) for discussion regarding training program. See App. G for formalized SOPs (i.e., Support Facility Procedures Manual).
II.B.6.a.5; II.B.6.b.5; II.B.6.c.4	Development & updating of support facility spill prevention & response program	Materials & Tests Engineer	Develop program. Update program as needed annually.	Program developed. No major revisions to overall program made. SPCC revisions for 4 support facilities.	See SWMPP (s. 7.2.3) for discussion of SPCC plans employed by ALDOT support facilities. See SWMPP (App. G) for an example of an SPCC plan.
II.B.6.a.6	Transportation facility maintenance: Condition assessments	State Maintenance Engineer	Conduct assessments according to established procedure.	Conducted assessments as expected.	See SWMPP (s. 7.3) for overview of assessment procedure.
II.B.6.a.6	Transportation facility maintenance: Snow & ice control	State Maintenance Engineer	Track work reports completed.	207 work reports completed during FY 2016 (estimated using ALDOT District data).	See App. G for "ALDOT MS4 Transportation Facility Maintenance: Fiscal Year 2016." See SWMPP (s. 7.3.1) for discussion regarding how work is performed.
II.B.6.a.6	Transportation facility maintenance: Litter pickup (full-width)	State Maintenance Engineer	Track pass miles cleaned.	16,752 pass miles cleaned during FY 2016 (estimated using ALDOT District data).	See App. G for "ALDOT MS4 Transportation Facility Maintenance: Fiscal Year 2016." See SWMPP (s. 7.3.2) for discussion regarding how work is performed.

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Permit Requirement(s)	Activity	Associated ALDOT Personnel	Permit Term Goal	Actions / Status During FY 2016	Supplemental Information
II.B.6.a.6	Transportation facility maintenance: Spot litter pickup	State Maintenance Engineer	Track work reports completed.	1,797 work reports completed during FY 2016 (estimated using ALDOT District data).	See App. G for "ALDOT MS4 Transportation Facility Maintenance: Fiscal Year 2016." See SWMPP (s. 7.3.2) for discussion regarding how work is performed.
II.B.6.a.6	Transportation facility maintenance: Herbicide treatment	State Maintenance Engineer	Address in work for Pesticides General Permit.	Addressed in PGP work.	See SWMPP (s. 7.3.3) for discussion regarding how work is performed.
II.B.6.a.6	Transportation facility maintenance: Spot herbicide treatment	State Maintenance Engineer	Address in work for Pesticides General Permit.	Addressed in PGP work.	See SWMPP (s. 7.3.3) for discussion regarding how work is performed.
II.B.6.a.6	Transportation facility maintenance: Herbicide treatment surveillance	State Maintenance Engineer	Address in work for Pesticides General Permit.	Addressed in PGP work.	See SWMPP (s. 7.3.3) for discussion regarding how work is performed.
II.B.6.a.6	Transportation facility maintenance: Cleaning minor drainage structures	State Maintenance Engineer	Track structures inspected / cleaned.	4,157 structures inspected / cleaned during FY 2016 (estimated using ALDOT District data).	See App. G for "ALDOT MS4 Transportation Facility Maintenance: Fiscal Year 2016." See SWMPP (s. 7.3.4) for discussion regarding how work is performed.
II.B.6.a.6	Transportation facility maintenance: Repairing minor drainage structures	State Maintenance Engineer	Track work reports completed.	328 work reports completed during FY 2016 (estimated using ALDOT District data).	See App. G for "ALDOT MS4 Transportation Facility Maintenance: Fiscal Year 2016." See SWMPP (s. 7.3.4) for discussion regarding how work is performed.
II.B.6.a.6	Transportation facility maintenance: Erosion control	State Maintenance Engineer	Track work reports completed.	168 work reports completed during FY 2016 (estimated using ALDOT District data).	See App. G for "ALDOT MS4 Transportation Facility Maintenance: Fiscal Year 2016." See SWMPP (s. 7.3.5) for discussion regarding how work is performed.
II.B.6.d.1	Support facility PPGH inspections	Materials & Tests Engineer	Conduct inspections at each facility at least annually. Reporting inspection results for MS4 purposes beginning 2nd year of Permit term.	18 facility inspections during FY 2016. Inspection findings addressed in accordance with SPCC plans.	See App. G for "ALDOT MS4 Support Facility Annual Inspections: Fiscal Year 2016."
II.B.6.d.2	Tracking of support facility good housekeeping training sessions	Materials & Tests Engineer; Region Engineers	Track sessions facilitated.	14 sessions facilitated during FY 2016.	See App. C for "ALDOT MS4 Support Facilities SPCC & Universal Waste Training: Fiscal Year 2016."
II.B.6.d.2	Tracking of support facility employees participating in good housekeeping training	Materials & Tests Engineer; Region Engineers	Track employees participating.	250 employees trained during FY 2016.	See App. C for "ALDOT MS4 Support Facilities SPCC & Universal Waste Training: Fiscal Year 2016."
II.B.6.d.2	Tracking of vegetation management training course sessions	Training Bureau Chief	Track sessions facilitated.	11 sessions facilitated during FY 2016.	See App. C for "ALDOT Vegetation Management Training Course: Fiscal Year 2016."
II.B.6.d.2	Tracking of vegetation management training newsletters created & distributed	State Maintenance Engineer	Track newsletters distributed.	8 newsletters distributed during FY 2016.	See SWMPP (App. C) for example newsletter.
II.B.6.d.2	Tracking of sessions of "Review for Commercial Applicator Examination" course	Training Bureau Chief	Track sessions facilitated.	6 sessions facilitated during FY 2016.	See App. C for "ALDOT MS4-Applicable Employee Education: Fiscal Year 2016."
II.B.6.d.2	Tracking of vegetation management training course participants	Training Bureau Chief	Track participants.	379 participants (304 ALDOT, 75 non-ALDOT) for training purposes during FY 2016.	See App. C for "ALDOT Vegetation Management Training Course: Fiscal Year 2016."
II.B.6.d.2	Tracking of participants of "Review for Commercial Applicator Examination" course	Training Bureau Chief	Track participants.	93 ALDOT employees participated during FY 2016.	See App. C for "ALDOT MS4-Applicable Employee Education: Fiscal Year 2016."
MS4 Monitoring					
II.D.3; II.D.4; II.D.[5]; III.A.6	Determination of the ALDOT MS4's potential as a practical source of POCs for 303(d) & TMDL waters	State Design Engineer	Assess ALDOT potential impacts with respect to various POCs on 303(d) and TMDL waters in MS4 areas. Reassess ALDOT impact as needed considering future research findings or collected monitoring data.	Assessment performed using data collected through the development of the 03/20/2014 version of the SWMPP.	See SWMPP (s. 8.3) for discussion regarding assessment.

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Permit Requirement(s)	Activity	Associated ALDOT Personnel	Permit Term Goal	Actions / Status During FY 2016	Supplemental Information
II.D.[5]	Determination of the effectiveness of stormwater management practices in achieving TMDL performance requirements	State Design Engineer	Use monitoring data to determine if the ALDOT MS4 is significantly contributing to pollution of ALDOT-applicable TMDL waters. Adjust practices as needed if contribution is significant.	Complete sets of monitoring data collected through the end of FY 2016 provide no definitive evidence of significant ALDOT contribution. No adjustment to practices made based on monitoring findings.	See App. H for a summary of monitoring activities for FY 2016.
III.A.1; III.B	Annual assessments of the overall effectiveness of stormwater management practices using monitoring data & adjust practices accordingly	State Design Engineer	Provide annual assessments. Adjust practices as needed in response to assessment.	No adjustment to practices made based on monitoring findings. Will continue to collect and analyze monitoring data in order to make a viable assessment of effectiveness.	See App. H for a summary of monitoring activities for FY 2016.
III.A.2	Development & updating of monitoring plan	State Design Engineer	Develop monitoring plan. Update plan as needed annually.	Monitoring plan revised (with an updated sonde deployment schedule) during FY 2016.	See Part IV for details regarding modifications made to monitoring plan during FY 2016.
III.A.3	Analysis of monitoring data	State Maintenance Engineer	Analyze monitoring data collected after field implementation.	Analyses of monitoring data from collection efforts completed during FY 2016 (representing 2 of 6 monitoring locations) performed.	See App. H for a summary of monitoring activities for FY 2016.
III.A.4	Tracking of monitoring activities	State Maintenance Engineer	Track monitoring activities.	Monitoring at 2 of 6 selected locations (in Mobile and Daphne) completed during FY 2016. Monitoring at 2 additional locations (in Hartselle and Huntsville) commenced during FY 2016 and is ongoing as of the end of FY 2016.	See App. H for a summary of monitoring activities for FY 2016.
III.A.5	Coordination of monitoring with other MS4s	State Maintenance Engineer	Coordinate with other MS4s as necessary.	Coordinated data collection with City of Daphne so that monitoring at the selected Daphne location is a joint effort. (Monitoring data collection at this location was completed during FY 2016.)	See App. H for a summary of monitoring activities for FY 2016.

Appendix B:
Supplemental Material for Section II.B

(reserved)

Appendix C:

Supplemental Material for Section II.C

ALDOT-PALS Agreement (Fiscal Years 2016-18)

PALS Newsletter: Winter Quarter 2015

ALDOT Southwest Region Newsletter: Spring 2016

“Spring Hill Avenue Litter Cleanup” Flyer

ALDOT MS4-Applicable Employee Education: Fiscal Year 2016

ALDOT QCI Recertification Training: Fiscal Year 2016

ALDOT Vegetation Management Training Course: Fiscal Year 2016

ALDOT MS4 Support Facility SPCC & Universal Waste Training:
Fiscal Year 2016

Vegetation Management Training Course Agendas (2015 & 2016)

ALDOT Environmental Concerns Log: Fiscal Year 2016

ALDOT Southwest Region Twitter Messages

ALDOT East Central Region Environmental Connections Meeting
Announcement & Attendee Roster

ALDOT Community Outreach Group Meetings: Fiscal Year 2016

“Design of LID Stormwater Controls for Transportation Engineering”
Workshop Agenda

MS4 Lunch-and-Learn Invitation

ALDOT Stormwater Management Research: Fiscal Year 2016

Public Education & Public Involvement
Mock Audit Office Interview Agenda

Mobile-Area Support Facilities Mock Audit Visit Agenda

ADEM MS4 Audit Agenda

Reviewed
10/13/15
↙



October 7, 2015

FOR: DEPUTY DIRECTOR, TRANSPORTATION DIRECTOR, and GOVERNOR

RETURN TO:  **MARK WAITS
MAINTENANCE BUREAU**

**RE: Alabama PALS
Agreement**

AGREEMENT**ALABAMA PALS
(People Against a Littered State)****AND****STATE OF ALABAMA DEPARTMENT OF TRANSPORTATION**

THIS AGREEMENT is made and entered into by and between the Alabama PALS (People Against a Littered State), hereinafter referred to as PALS, and the Alabama Department of Transportation, hereinafter referred to as (ALDOT), for the purposes expressed herein whereas, the parties desire to engage in public promotion of the ALDOT Adopt-a-Mile program. Now, therefore, the parties, in consideration of the premises herein, do agree as follows:

Alabama PALS will:

- (1) Oversee and promote the Alabama PALS City and County Chapters Network.
- (2) Produce quarterly newsletters for Adopt-a-Mile.
- (3) Produce Adopt-a-Mile Brochures with applications.
- (4) Print, label, mail and distribute Adopt-a-Mile quarterly newsletters and brochures.
- (5) Producing public service announcements for the Adopt-a-Mile Program in accordance with the total yearly budget and services listed below:

Total Yearly Budget for Public Service Announcements \$25,000.00

- a) Filming and Editing of .30 PSA (Beta Format)
 - b) In Town Travel
 - c) Out of Town Travel (1 day)
 - d) Purchase & Copying of three (3) ¾" Format Tapes
 - e) Purchase & Copying of two (2) VHS Format Tapes
 - f) Seven (7) DVD Copies (TV)
 - g) One Hundred and Eighty (180) CDs for Radio
 - h) Forty-four (44) Beta SP Copies (TV)
 - i) Seven (7) DVD Pro Copies (TV)
 - j) MP3 Copy for ABA (for AA Web Page) – Allowance for additional Copies for Chapters, etc.
 - k) Three (3) Month Contract with Alabama Broadcaster's Association
- (6) Notify all Adopt-a-Mile participants of PALS statewide events such as Statewide Spring Cleanup.

(7) Submit quarterly itemized invoices, along with all supporting documentation, covering the actual costs of providing public promotion of the ALDOT Adopt-a-Mile Program. Invoices should be submitted to: Maintenance Engineer, Dept. of Transportation, 1409 Coliseum Blvd., Montgomery, AL 36110.

(8) Provide two full-time employees to be fully supported by Alabama PALS. These employees will serve as liaisons to ALDOT to ensure that the program is fully serviced to provide exposure statewide, as well as ensuring that maximum compliance of the program is serviced, including the following:

- a) State Adopt-a-Mile Director.
- b) State Adopt-a-Mile Coordinator.
- c) These two employees shall also:
 - 1) Oversee the maintenance and compliance of miles adopted through the Alabama Adopt-a-Mile program.
 - 2) Perform annual site visits, in-person or through the County PALS Chapters, of one-third ($\frac{1}{3}$) of all known current recorded Adopt-a-Miles on federal and/or state routes to determine which groups and individuals are currently maintaining their respective miles. This will result in all Adopt-a-Mile locations being inspected at least once in every three year period. Produce, distribute and maintain records for all miles that are inspected in each county. This list should be provided at least quarterly to ALDOT.
 - 3) Keep records of miles that are not being maintained and contact “adoptees” to determine if the group or individual wishes to remain in the Adopt-a-Mile program. In the next two newsletters PALS will include that ALL Adopt-a-Mile participants must provide to PALS current information including address, phone number, approximate number of participants, and whether they wish to continue participation in the Adopt-a-Mile program no later than May 31, 2016. All participants who fail to notify PALS by this date will be declared inactive. PALS must notify ALDOT in its July quarterly report of all inactive participants for sign removal.
 - 4) Provide list to ALDOT quarterly of miles that are not being maintained on a regular basis.
 - 5) Provide a list quarterly of all Adopt-a-Mile signs that need to be removed for failure to comply with the requirements of the program.
 - 6) Recruit new “adoptees” for miles where signs have been removed.

Programs Coordinated:

Adopt-a-Mile

Adopt-a-Stream

Statewide “Don’t Drop It On Alabama” Spring Cleanup

Alabama Coastal Cleanup

Annual Awards Program

(9) Providing a written report quarterly to ALDOT of the PALS activities to include:

- a) Listing of new participants & miles adopted
- b) Listing and date of contacts made

- c) Listing of groups terminating participation
- d) Report of statewide mailings
- e) Listing of all public service announcements that ran including which stations and dates and times

(10) Obtain or fabricate signs that meet ALDOT specifications for signage for local routes and provide signs for adopted county routes. These signs should be shipped at the lowest United States Postal Rate to the District Office listed on the Adopt-a-Mile application.

(11) Review Adopt-a-Mile applications to ensure that they are in final form before submitting them to ALDOT District Office.

(12) Maintain the Adopt-a-Mile database and provide at least quarterly to ALDOT or upon request at the same time providing the quarterly report.

(13) Provide safety vests for all individuals participating in the Adopt-a-Mile litter campaign. PALS will also be responsible for informing all Adopt-a-Mile groups that all participants are required to wear these safety vests at any time they are picking up trash on the right-of-way. This notification must take place no later than January 1, 2016.

ALDOT will:

(14) Oversee the Adopt-a-Mile program.

(15) Process the Adopt-a-Mile applications.

(16) Erect Adopt-a-Mile signs on State routes in accordance with the ALDOT Adopt-a-Mile program.

(17) Provide litterbags for Adopt-a-Mile participants as required.

(18) Provide removal and disposal of litter collected by Adopt-a-Mile participants as required.

(19) Reimburse Alabama PALS a maximum of two hundred and ninety-five thousand dollars (\$295,000.00) for each fiscal year in accordance with the proposed budget listed below:

<u>Salaries</u>	<u>Budgeted Amount</u>
Adopt-a-Mile Coordinator	\$ 45,500.00
Director	\$ 82,000.00
<u>Travel (actual expenses)</u>	
Coordinator	\$ 1,000.00
Director	\$ 2,500.00
<u>Insurance Allowance</u>	
Coordinator	\$ 2,580.00
Compliance Liaison	\$ 3,757.00
<u>Other (actual expenses)</u>	
Telephone	\$ 4,000.00
Power	\$ 4,000.00
Gas	\$ 2,500.00
Office Supplies	\$ 2,000.00
Postage Meter	\$ 2,000.00

Statewide Cleanup Materials, Supplies, and Shipping	\$ 50,000.00
Newsletters and Promotion	\$ 21,000.00
Office	\$ 10,500.00
Brochures (All Programs)	\$ 3,000.00
Public Service Announcements (as specified in section 5 of this Agreement)	\$ 25,000.00
Signage costs, including shipping	\$ 31,000.00
Safety Vests	\$ 2,663.00
<hr/>	
Total Yearly Budget	\$295,000.00

Alabama PALS agrees that all promotional materials and programs must receive final approval of ALDOT prior to distribution or implementation.

Alabama PALS agrees that all reimbursed expenses will be for those expenses solely expended for the public promotion of the ALDOT Adopt-a-Mile program.

(20) It is agreed that the terms and commitments contained herein shall not be constituted as a debt of the State of Alabama in violation of Article 11, Section 213 of the Constitution of Alabama 1901, as amended by Amendment Number 26. It is further agreed that if any provision of this Agreement shall contravene any statute or Constitutional provision of amendment, either now in effect of which may, during the course of this Agreement, be enacted, then the conflicting provision in the Agreement shall be deemed null and void.

(21) If the Agreement term is to exceed more than one fiscal year, then said Agreement is subject to termination in the event that funds should not be appropriated for the continued payment of the Agreement in subsequent fiscal years. In the event of proration of the fund, from which payment under this Agreement is to be made, Agreement will be subject to termination. This Agreement can be terminated by either party upon thirty days written notice to the other party.

(22) For any and all disputes arising under the terms of this contract, the parties hereto agree, in compliance with the recommendation of the Governor and Attorney General, when considering settlement of such disputes, to utilize appropriate forms of non-binding alternative dispute resolution including, but not limited to, mediation by and through the Attorney General Office of Administrative Hearings or where appropriate, private mediators.

(23) Alabama PALS, its employees, agents, successors, assigned, contractors, or subcontractors shall defend, indemnify and hold harmless the State of Alabama, Alabama Department of Transportation and their officials, employees, contractors, servants, or agents, in both their official and individual capacities, from and against any and all claims, damages, losses, actions, causes of actions, losses or expenses of any nature whatsoever, regulatory actions, administrative actions, quasi-administrative or quasi-judicial actions or procedures, State, Federal or otherwise, of any nature whatsoever, whether known or unknown, including but not limited to compensatory damages, punitive damages, damages for any injury to person or property, tangible or intangible, or any form of monetary or compensatory relief declaratory or injunctive relief, or any form of relief or remedy of any nature whatsoever, whether known or unknown, or attorney fees, costs, or expenses, caused by or rising out of, resulting from or in any way related to the performance of any work, conduct or activity performed or failed to be performed by the Alabama PALS in connection with the performance of any of the provisions of this Agreement.

(24) By entering into this agreement, Alabama PALS is not an agent of the State, its officers, employees, agents or assigns. Alabama PALS is an independent entity from the State and nothing in this agreement creates an agency relationship between the parties.

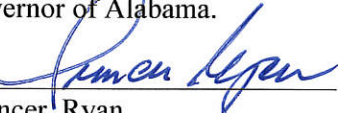
(25) The Alabama PALS and its employee(s) will not be subject to the provisions of, nor entitled to, the benefits of the State merit law or State employee benefits, including State employee health insurance.

(26) The Alabama PALS will permit access to its books, records, accounts, other sources of information and its facilities as may be determined by the State of Alabama Department of Transportation to be pertinent to ascertain compliance with its instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the Alabama PALS shall so certify to the State of Alabama Department of Transportation and shall set forth what efforts he has made to obtain the information.

(27) By signing this contract, the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom.

(28) THIS AGREEMENT is in effect for the period beginning October 1, 2015 and ending September 30, 2017.


IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective officials thereunto duly authorized, the Agreement to be effective on the approval date by the Governor of Alabama.

By: 
Spencer, Ryan
Director, Alabama PALS

This agreement has been legally reviewed as to content and form: ✓

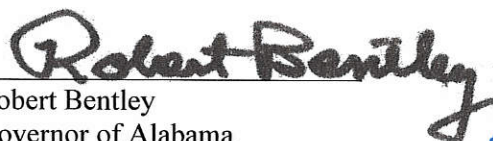
By: 
Jim Ippolito, Jr.
ALDOT Chief Counsel ✓

Funding for this project has been approved and obligated.

By: 
Stacey N. Glass
Maintenance Engineer ✓

APPROVED
By: 
John R. Cooper
Transportation Director ✓

The foregoing Agreement is hereby approved by the Governor of Alabama, on the 13th day of October, 2015.


Robert Bentley
Governor of Alabama
By: [Signature]

THE PALS PRINTS

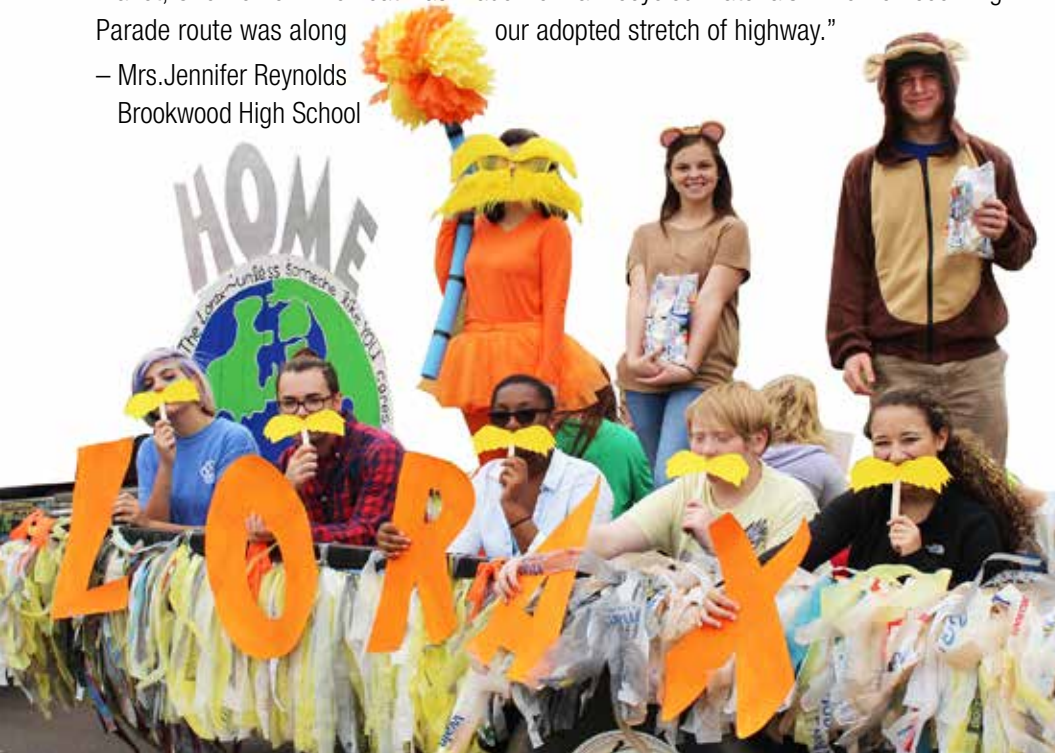
THE NEWSLETTER OF ALABAMA PALS AND THE ALABAMA ADOPT-A-MILE PROGRAM

WINTER QUARTER 2015 • VOLUME 36

THE ALABAMA ADOPT A MILE PROGRAM

“Every Earth Day, Green Team-er’s get decked out in Super Hero costumes and do various environmental service projects in the Brookwood community. One of our service projects that day was to pick up trash along our adopted stretch of highway. The theme to homecoming was “There’s No Place Like Home.” Most groups did the obvious Wizard of Oz themes for their float, but the Green Team went with a Lorax theme that focused on “One Planet, One Home.” The float was made from all recycled materials. The Homecoming Parade route was along our adopted stretch of highway.”

– Mrs. Jennifer Reynolds
Brookwood High School



DIRECTOR'S NOTES

BY SPENCER RYAN:

Investing in the Future

As we begin 2016, PALS is looking forward to continuing to invest our time, resources, staff, board of directors and thousands of statewide volunteers, as we continue to provide statewide programs that are making a difference all over our great state. The hard work and dedication demonstrated by groups, individuals, businesses, cities and counties, agencies, teachers and volunteers from all across Alabama is an investment that is paying great dividends, not only for all Alabamians, but for future generations to come. I know that each of us would welcome this kind of dividend on all of our investments.

Other PALS investments for 2016 will bring new opportunities and new ideas that will make this wonderful organization even better for the future. PALS is currently improving our current data base, newsletter and web page, and all applications for all PALS programs will be in a format to be electronically submitted to the PALS office. We will also be exploring and using a PALS e-newsletter, electronic membership forms, and have begun a PALS Facebook page that will allow us to quickly update PALS information for volunteers statewide. So, as the expression goes “Like Us On Facebook” at www.facebook.com/alabamapals. Also, please take time to update your membership information on the membership form inside this newsletter. Please add your email address along with any other changes that might be relevant.

As each of us knows all too well, growing comes with a cost, and the

Continued on page 3

THE 2016 BOARD OF DIRECTOR'S OF ALABAMA PALS

Jeff Helms
Chairman

Steve Osborn
Vice Chairman

Jean McCrady
Secretary

Charlie Rowe
Treasurer

Jim Allen

Jack Doane

Tony Harris

Phillip Hinesely

Carol Maxwell

Mark McNally

Harry Noble

Joy Noble

Doug Rigney

THE STAFF OF ALABAMA PALS

Spencer Ryan
Executive Vice President

Margaret McElroy
Executive Assistant
State Adopt-A-Mile Coordinator

Jamie Mitchell
Clean Campus State Coordinator

Jeannine Wilder
Chapter Development

Phone: 334-263-7737 or
In-State Watts 800-ALA-PALS
Fax # 334-832-9400
NEW Email: www.alpals.org
340 North Hull Street
Montgomery, AL 36104

ALABAMA PALS MISSION STATEMENT

*"Alabama Communities Working
Together for A Cleaner and
More Beautiful Alabama"*

THE CHAIRMAN'S CORNER

BY JEFF HELMS, CHAIRMAN, ALABAMA PALS

The Bible teaches "it is more blessed to give than receive," and no group demonstrates this more than Alabama PALS volunteers.

By giving their time, PALS cleanup teams build relationships that last a lifetime. When PALS shares lessons about stewardship with Clean Campus students, we secure a brighter future. And when our members and sponsors donate to support PALS, they are investing in a cleaner environment, healthier communities and more vibrant economy.

During this season of giving, the PALS board of directors thanks you for all the ways you give. Although the time, money and passion you invest in PALS certainly pays dividends – both personally and for our society – you are not motivated by what you receive.

That's the beauty of PALS. While other anti-littering programs rely on hefty fees and government employees, PALS is a true grassroots organization. Each year, volunteers collect thousands of tons of trash, saving the state millions of dollars in litter control. Membership fees are nominal and, thanks to generous corporate support, materials are provided free of charge.

This was the vision of our founders 27 years ago. They sought to create an all-volunteer organization with no political agenda or self-serving motives. PALS brings together private landowners, educators, law enforcement, conservation agencies, environmental watchdogs and businesses for a common goal — to give future generations a cleaner state.

The appeal of the PALS' mission continues to fuel expansion of our programs. In 2015, dozens of schools joined the Clean Campus Program,

and long stretches of highway were added to the Adopt-A-Mile Program, including every mile between Selma and Montgomery along the route of Martin Luther King Jr.'s historic Civil Rights March.

The growth of these programs has challenged our board of directors and staff to engage additional corporate sponsors in the PALS' mission. We've already received a generous, five-year commitment from the Poarch Band of Creek Indians as presenting sponsor for the Coastal Cleanup, and other meetings with potential donors are scheduled. However, we also could use your help.

If you know of a business, individual or foundation that would be interested in supporting Alabama PALS' ability to provide anti-littering materials, support and education free of charge, please contact Spencer at spencer@alpals.org. You may also make a tax-deductible, end-of-year gift by sending your check with the form in this newsletter to the PALS office.

Thank you for giving your time, energy and enthusiasm to help keep Alabama beautiful. Every aluminum can, plastic bag or used tire we collect — or prevent being dumped — is a gift to future generations. But, it's also a blessing to us, as we grow in service and stewardship.

– Jeff

DIRECTOR'S NOTES

Continued from page 1

programs of PALS are no different. With the constant reality of the cost of growth and success comes an investment. PALS has made that commitment and investment and we are certain that these investments will not only afford us the opportunity to continue to offer all PALS programs to all Alabama communities, but will afford us the opportunities to do it in a more effective and efficient manner. PALS needs your partnership and financial support as we continue this investment in a cleaner and more beautiful Alabama. Inside this newsletter you will find the 2016 PALS Membership Form and return envelope. If you, your family, business, school, civic organization, agency, city, county or volunteer group would like to be a part of this investment, please take time to make that commitment now. We will highlight all of our members and donors in each PALS Newsletter. Thank you for your generosity as we invest together and continue to provide the dividends for the future.

The 2016 "Don't Drop It On Alabama" Statewide Spring Cleanup will be held on April 16-23. The 2015 cleanup effort netted over 380 tons of litter removed from neighborhoods, city streets, State and Federal highways, streams and lakes and other areas statewide. PALS will provide all materials and supplies for the statewide cleanup. Now THAT is an investment that pays dividends! Thank you to each of you that make this annual cleanup effort a huge success.

Final totals are in from the 2015 Alabama Coastal Cleanup. Over 5,400 volunteers participated in the 2015 coastal cleanup effort, making Alabama one of the most successful coastal cleanup efforts in the country. With 31 zones, 5,400 volunteers, scuba diving teams, kayaks and boats, and blessed with beautiful weather, the 2015 Alabama Coastal Cleanup will be

remembered as one of the most successful in cleanup history. Thank you to our Coastal Cleanup Sponsors that make this annual cleanup effort possible (see inside page). Thanks to the ADCNR/State Lands Coastal Section for this wonderful and successful partnership!

On February 19, 2016, PALS will partner with PALS of the Shoals as we hold our bi-annual Litter Law Enforcement Conference. This conference is always the highlight of the PALS year and is attended by law enforcement officers from every corner of Alabama. Please contact your local law enforcement agencies and encourage them to send a representative from their agency. The agenda, list of speakers and all information can be found inside this newsletter, as well as the PALS web page at alpals.org.

The PALS Governors Awards Program was held on November 11th and it was an honor to celebrate our United States Veterans, while honoring those that have given of their time and service to the many PALS programs statewide. Over 250 were in attendance as PALS presented awards in 15 categories, plus awards for the State Winners from the Alabama Clean Campus Program.

In closing, I want to take time to thank our PALS Sustaining Partners ALDOT, ALFA, Vulcan Materials Company, Honda Manufacturing of Alabama and Alabama Farmers Cooperative for their generous support, dedication and friendship. I appreciate the sincere investment that they make to ensure that all Alabamians can enjoy a clean and beautiful Alabama for years to come.

I wish each of you and your families a wonderful and blessed 2016. Please let me know if I can assist you in any way.



PALS SUSTAINING CORPORATE SPONSORS



HONDA

Vulcan
Materials Company

The "Don't Drop It On Alabama" Spring Cleanup

The Alabama Clean Campus Program

Adopt-A-Mile

Adopt-A-Stream

Alabama Coastal Cleanup

Adopt-An-Area

Adopt-A-Beach

Litter Education Curriculum

Annual Governor's Awards

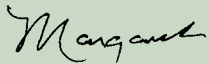
Statewide Chapter Network

MESSAGE FROM:

MARGARET McELROY
State Adopt-A-Mile Coordinator

As we look to 2016 with great anticipation, and a continued dedication to making the Alabama Adopt-a-Mile Program the best and most effective "adopta" program in the country, I want to thank each of you that give so freely of your time and resources to the Alabama Adopt-a-Mile Program. Your many hours of service and hard work continues to make Alabama's county, state and federal highways cleaner and safer for all Alabamians, as well as the countless number of visitors that travel our roads annually.

I want to thank each individual, group or business that is a part of the Alabama Adopt-a-Mile family, and I look forward to working with you in 2016. Please let me know how I can best work with you in 2016.



ALDOT REGIONAL ENGINEERS AND AREA OFFICES

JOHNNY HARRIS

North Regional Engineer
256-505-6141

DEJARVIS LEONARD

East Central Regional Engineer
256-234-8401

GEORGE CONNER

SE Regional Engineer
334-353-6850

VINCENT E. CALAMETTI

SW Regional Engineer
251-404-8204

JAMES D. BROWN

West Central Regional Engineer
205-562-3100



"Working Together for an Unlittered Alabama"

We want to thank each of the dedicated groups and individuals that participate in the Alabama Adopt-A-Mile Program.

As we are constantly updating our data base to ensure better communication with all participants, please take time to complete the following information form. This updated information will assist us in keeping each or you informed about the Alabama Adopt-A-Mile Program, as well as all programs offered through Alabama PALS. During the recent Adopt-A-Mile Survey, over 80% of all responding participants were faithfully fulfilling their commitment to making Alabama a cleaner and safer place through their continued dedication to the program. Thank you for your dedication to making Alabama's roads and highways cleaner and safer for all Alabamians. You are making a difference!



ALABAMA ADOPT-A-MILE PARTICIPATION FORM

Please Complete and Return to The PALS Office
340 North Hull Street / Montgomery, AL 36104

Name of Participating Group _____
Name of Group or Individual on Sign _____
City _____ County _____
Contact Person _____ Phone _____
Address _____ Zip _____
Email Address of Contact Person _____
State Highway Number _____ Federal Highway # _____ County Highway or Road # _____
Location of Sign: Mile Marker# _____ to Mile Marker # _____
____ Currently Participating
____ Not Participating at This time and want sign taken down
____ Participating But Sign Needs Replacing or Repaired

Adopt-A-Mile Program Application for Highway Adoption - State/Federal

City _____
County _____
Applicant (Participating Organization) _____
Mailing Address: _____
Telephone Number: _____
Email Address: _____
Highway section(s) you propose to adopt:
(minimum of one mile)
State or U.S. Highway Number _____
Milepost Number _____ to Milepost Number _____
State or U.S. Highway Number _____
Milepost Number _____ to Milepost Number _____
Authorized Signature of Applicant
Recommended for Approval:
Approved: _____
District Engineer, Alabama Dept. of Transportation

Interested in "adopting"

Fill out application form and mail to:

Alabama PALS

340 North Hull Street, Montgomery, AL 36104

County Adopt-A-Mile Program Application for County Road Adoption

County _____
Applicant (Participating Organization) _____
Mailing Address: _____
Telephone Number: _____
Email Address: _____
Road section(s) you propose to adopt:
(minimum of one mile)
County Road Number _____
Milepost Number _____ to Milepost Number _____
County Road Number _____
Milepost Number _____ to Milepost Number _____
Authorized Signature of Applicant
Recommended Approval:
County Engineer
Chairman, County Commission
Approved: _____
District Engineer, Alabama Dept. of Transportation

Interested in "adopting"

Fill out application form and mail to:

Alabama PALS

340 North Hull Street, Montgomery, AL 36104

MESSAGE FROM:

JOHN COOPER

*Director, Alabama Department
of Transportation*

I've stated before in this space that I'm fortunate to have grown up in Marshall County, just a few miles from Lake Guntersville State Park. It's one of the most spectacular areas of the beautiful state we call home.

I'm proud to have grown up around Lake Guntersville, and my family's permanent home is still in that area. I'm also proud of ALDOT's efforts to keep Alabama clean and beautiful, and our partnership with PALS. Our partnership with PALS is a model for how state government can work with non-profit groups and volunteers to make our state better.

Litter poses a serious threat to Alabama's natural beauty. That's why our partnership with PALS is important. Together, we are making this program a huge success, removing hundreds of tons of litter from highways and natural areas annually. This effort helps keep our state beautiful and saves Alabama taxpayers millions of dollars in clean-up costs. This is only possible with the dedicated volunteers who work diligently to ensure our roadways are clean. As citizens, it's our responsibility to protect the environment in every way we can. This includes serving as an example for young people and teaching them to properly dispose of trash, as well as being a model of volunteerism by lending a hand with clean-up efforts.

On behalf of ALDOT, thank you for your commitment to our ongoing battle against litter. Together, we're making a difference!

— John



The Highway 80 Adopt-a-Mile Group was awarded last week for their effort to get every mile between Selma and Montgomery adopted and cleaned up before the 50th anniversary of Bloody Sunday.

GROUP HONORED FOR CLEAN-UP EFFORTS

Months of preparation went into getting ready for the 50th anniversary of Bloody Sunday in March, but one of the most important parts was cleaning up the 54 miles of U.S. Highway 80 that stretch between Selma and Montgomery.

The Highway 80 Adopt-a-Mile Group, who helped make sure every mile got adopted and cleaned up before thousands of people flocked to Selma for the anniversary, were awarded for their effort last week.

The group was presented with the Statewide Adopt-a-Mile Award on Nov. 11 at the 2015 Alabama PALs Governor's Awards program in Prattville.

"It was one of the largest adopt-a-mile undertakings we've ever had, so they were certainly deserving of the award," said Spencer Ryan, executive vice president for Alabama PALS (People Against a Littered State).

Ryan said the group came to Alabama PALS before the 50th anniversary about the project.

"They wanted to know if we would work with them on getting every mile adopted on the trail. Of course, it was a huge undertaking," Ryan said.

"We worked with the department of transportation and Rep. [Thad] McClammy and his group, and we ended up getting all the miles adopted, which is a great feat."

Queen Tate, who was part of the Highway 80 Adopt-a-Mile Group, helped clean the historic highway and adopted a mile herself for her organization, Lilies of the Valley.

"I knew that President Obama was coming, and he was coming in that direction for the jubilee," Tate said.

"We wanted to make sure that we impressed Obama and let him know that we can clean up our neighborhood and

have it clean enough for when he comes to Selma."

Tate said it was an honor to be awarded for the work the group did in making sure the highway that hundreds of marchers walked 50 years ago for voting rights was cleaned up.

"It was awesome to me," Tate said. "It let me know that my work is not unseen. People are acknowledging that there is someone here who cares enough to make sure that it's clean."

Tate said between two and six tons of garbage were picked up alongside U.S. Highway 80.

Published 8:38pm Tuesday, November 17, 2015.

Read more:

<http://www.selmatimesjournal.com/2015/11/17/261117/#ixzz3uPQG8T4N>

ALABAMA PALS 2016 SPRING CLEANUP APRIL 16-23

“Don't Drop It On Alabama”

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Volunteers from every Corner
of Alabama for This Annual
Statewide Spring Cleanup*

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334-263-7737
Alpals.org
www.facebook.com/alabamapals**



2016 PALS LITTER LAW ENFORCEMENT CONFERENCE

**February 19, 2016 • Colbert County Health Department
1000 Jackson Highway, Sheffield, Alabama**

Contact: Patsy Thompson at 256-383-4376

Registration Fee: \$ 25.00 per person pre-registration
\$ 35.00 per person day of registration

Time: 8:00 Registration

Conference: 8:30am-2:30pm

CEU Credit Hours: 3.25

FEATURED SPEAKERS

- Jim Patrie/ Tuscaloosa County Solid Waste Officer
- Captain Rodney Gilliam/ Tuscaloosa Police Department
- Lt. Felicia Rucker / Jefferson County Sheriff's Department
- Lt. Clifton Robinson/ ADCNR Wildlife and Freshwater Fisheries Department
- ***And Others***

TOPICS

- Identifying Highway Litter and Issuing UTC
- Identifying and Investigating Criminal Littering Cases
- Fines for Criminal Littering and Distribution of Fines
- Current State Criminal Littering Laws
- ***Other Topics to be Presented***

MAIL REGISTRATION FEE TO:

Patsy Thompson

PALS Litter Law Conference

1101 Highway 72 East, Suite 16

Tuscumbia, Alabama 35674



ALABAMA 2016

Coastal Cleanup

2015 Alabama Coastal Cleanup Sponsors

A Very Special Thank You from 5,400 Volunteers!!!

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Riviera Utilities • Baldwin EMC • Utility Board of Gulf Shores
The Original Oyster House • Home Depot • Evonic*

Coastal Cleanup Partner

Alabama Department of Conservation • State Lands • Coastal Section

28th Annual Alabama Coastal Cleanup a Success

BY ANGELA UNDERWOOD, NATURAL RESOURCES PLANNER, ALABAMA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES COASTAL SECTION

The 28th Annual Alabama Coastal Cleanup was held on Saturday, September 19, 2015. This year, over 5,000 volunteers helped to “get the trash out of the splash” by walking, boating or scuba diving 31 different coastal and inland waterway zones across Mobile and Baldwin counties, as well as inland zones in the Blackwater and Sepulga watersheds and as far away as the Tennessee River.

Each year brings unusual finds, and this year was no exception. Along with the everyday litter such as plastic bottles and cigarette butts were couches, a television set and laptop computer. The most unusual find for the day came from the cleanup site at Fort Morgan where volunteers discovered the front end of a Nissan Pathfinder with a Texas license plate still attached!

Thank you to all those who supported the cleanup this year. This huge event



would not be successful without the hard work of our volunteers and the generous support from our sponsors: 2015 Presenting Sponsor - The Poarch Band of

Creek Indian, ADCNR Coastal Section, AL PALS, The National Oceanic and Atmospheric Administration, Mobile Bay National Estuary Program, Bebo’s, ExxonMobil, Alabama Power Company, Alabama Department of Transportation, Baldwin EMC, City of Gulf Shores, City of Orange Beach, Create a Clean Water Future, Compass Media, Florida-Bama, Home Depot, Ike’s Beach Service, LuLu’s, Riviera Utilities, The Original Oyster House, Utility Board of Gulf Shores, Evonik, Ineos Phenol, Vulcan Materials Company, ALFA, Honda Manufacturing of Alabama, Alabama Farmer’s Cooperative, Baldwin County Commission, Gulf Shores/Orange Beach Tourism and The Ocean Conservancy.



Photo by Rhoda Vanderhart



COASTAL CLEANUP IN DAPHNE



CLEAN CAMPUS NOTES

The 2014-2015 school year was our busiest yet! I spoke to over 2,000 students at over 30 schools last school year! That means there are over 2,000 new voices helping us spread the anti-litter message throughout the state. These students take their role very seriously in helping to keep our state clean and beautiful.

The 2015-2016 school year has been off to a great start, as well! We have received a number of first-time applicants this year, and more and more schools are starting "Green Teams" and adopting their campuses through our "Adopt-An-Area" program. I have also stayed busy traveling the state to spread the word through campus visits.

I currently still have a few dates available in February, March, April and May for school visits. My 30 minute program this year covers the "lifecycle" of trash...whether it ends up as litter, recycling or in a landfill. It gets the students thinking beyond the trashcan! My program also meets "teacher standards" for environmental education.

If a school near you would like to sign up for the Clean Campus Program or would like to schedule a school visit, please give me a call at (334) 263-7737 or email at Jamie@alpals.org.

PALS 2016 POSTER CONTEST

GUIDELINES:

1. Theme: "Litter is _____"
2. K-6th (Two categories K-3rd and 4th-6th)
3. Standard White Poster or Foam Board (May be split in half)
4. All mediums acceptable
5. Back of Poster Must Include: Student Name, Grade, Telephone Number of Student/Parent, Email of Student/Parent, Teacher Name, School, Telephone Number of School, & Email of Teacher/School.

WINNERS:

- | | |
|--------------------|----------------|
| First Place: | \$250 & Plaque |
| Second Place: | Plaque |
| Third Place: | Plaque |
| Honorable Mention: | Plaque |

ALL posters are **due in the office by Monday, May 9th, 2016.**

Return to:

Jamie Mitchell

PALS Clean Campus Coordinator
340 N. Hull Street
Montgomery, AL 36104

*Please contact Jamie with any further questions at:
(334) 263-7737 / Jamie@alpals.org*

2016 POSTER AND RECYCLED ART CONTEST

Happy 2016! I sincerely hope that your year is off to a wonderful start! January means it is time to begin planning the Alabama PALS Annual Poster and Recycled Art Contest! You read that right...we are changing the essay contest this year to a recycled art contest! Grades K-3 and 4-6 will still participate in the poster competition, and grades 7-12 now have the opportunity to make something cool, artistic or useful for our recycled art competition. The theme this year will be "LITTER IS _____." The kids get to decide what they think of litter and use their imagination to create their poster or art around that theme.

Each school is to hold their own competition and **send in ONLY the first place winner from each category** at each school to the PALS office for statewide judging. The entries are due in the PALS office by Monday, May 9th, 2016, and sent to the PALS office at the following address: 340 N. Hull Street, Montgomery, AL 36104. Each entry submitted must have the following information listed on the back: **Student's Name, Student's Address, Student/Parent Telephone Number, Student/Parent Email, Name of School & Point of Contact, Address of School, Telephone of School, Email of School/Contact, and County of School.** This information is extremely important, as it will allow us to properly notify and recognize each winner.

The PALS office will notify the winners and/or the county coordinators. Each of the winners will be recognized and presented with \$250 for first place in each category and a plaque for second, third, and honorable mention. These awards will be presented at the Annual Governor's Awards Luncheon in November 2016.

Feel free to call or email me with any questions at (334) 263-7737 or Jamie@alpals.org. THANK YOU for your support of the Clean Campus Program, and GOOD LUCK with your contest!

PALS 2016 RECYCLED ART CONTEST

GUIDELINES:

1. 7th-12th grades
2. May work in groups of 1-5
3. "Art" may be useful or just for decoration
4. Piece may be no larger than 12"x12"x12" and easily moved
5. Art must be made entirely of materials that are eligible for recycling or that would be otherwise considered trash, except for a small amount of fastening materials such as screws, bolts, wire, welding, glue, tape and twine.
6. Please include the names of all individuals working on the project, their current grade, each person's address, phone number, and email. Also, include school name, point of contact for school, and address, phone number and email for school/point of contact.

WINNERS:

First Place:	\$250 (to be divided if working in groups) & Plaque
Second Place:	Plaque
Third Place:	Plaque
Honorable Mention:	Plaque

ALL Recycled Art projects are **due in the office by Monday, May 9th, 2016.**

Return to:

Jamie Mitchell

PALS Clean Campus Coordinator
340 N. Hull Street
Montgomery, AL 36104

Please contact Jamie with any further questions at:
(334) 263-7737 / Jamie@alpals.org

Reuse It

Washington Co. elementary schools make great progress in first year of PALS program.

by *Jamie Mitchell*

Last year I wrote an article after visiting all five of the elementary schools located in Washington County. I was invited back to visit the schools again this year, so I jumped at the opportunity to see how things had changed. The schools included in my visit were McIntosh, Chatom, Millry, Leroy and Fruitdale.

What a difference a year makes!! Melanie Stokley, a retired school teacher and member of the local

Students from three of Washington County schools enjoy a program from PALS campus coordinator Jamie Mitchell. Top to bottom are students from McIntosh, Millry and (opposite) Chatom.

Alfa Women's Committee, created a "Reuse It" competition after my last visit. All schools held a competition to see who could make the most creative items from recycled

materials. The winning students received a monetary prize from the Alfa Women's Committee. Stokley also encouraged the schools to participate in the PALS' Annual Poster





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competition. Sarah Morris from Chatom Elementary even received a Statewide Honorable Mention award for her poster!

There has been great strides made in Washington County this past year, but the work continues. Stokley's next mission is to work to bring recycling to Washington County. She is in the process of finding grant money and other resources that will allow these schools to start recycling programs. She plans to build on the success of the "Reuse It" competition as well as have the schools participate in the poster competition again.

Can a school near you use information on keeping Alabama more beautiful? I would love to provide your local schools with more information on the Alabama PALS Clean Campus Program. I can personally help them get a program started! Just have them give me a call at 334-263-7737 or send me an email at Jamie@alpals.org. ■

Jamie Mitchell is the PALS State Clean Campus Coordinator.

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 or email

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 (C) 256-476-7668

VP of Grain Division
 John Gamble
 (O) 256-308-1671

November 2015 81



Looking Good

Hokes Bluff Middle School repurposes recycled products to use in art projects.

by *Jamie Mitchell*

Hokes Bluff Middle School is partnering with PALS to keep their campus and community looking good! Seventh-grade

science teacher Nicki Busch recently invited me to Hokes Bluff Middle School to kick off their 2015 Clean Campus Program.

I met with a seventh-grade “interest” class to inspire them to look for more ways to reduce, reuse and recycle. The students heard my 30-minute program on the “lifecycle” of a piece of trash, and we spent another 20 minutes answering questions and hearing personal stories of recycling and litter pickup.

The students at Hokes Bluff have recently been working on several recycled art projects including making flowers from plastic bottles and decorative pumpkins from old books.

The students were excited to show me all of the projects on which they had been working! Their next goal is to partner with the local recycling facility to begin recycling paper and cardboard. Busch is constantly looking for more ways that the students of Hokes Bluff can make a difference.

If a school near you would like to hear more about the Alabama PALS Clean Campus Program, I would love to provide them with more information. I can come personally to help them get a program started! Just have them give me a call at 334-263-7737 or send me an email at Jamie@alpals.org. ■

Jamie Mitchell is the PALS State Clean Campus Coordinator.

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Funding by **ALFA INSURANCE**

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HAPPY HOLIDAYS

from your local **QUALITY CO-OP**



Waste Less - Recycle More

Autaugaville Elementary kicks off the school year by partnering with Alabama PALS Clean Campus Program.

by *Jamie Mitchell*

Autaugaville Elementary is kicking off this school year by partnering with Alabama PALS' Clean Campus Program! The school has already been participating in a new countywide recycling program and has contributed several tons of material to be recycled. Each year we will look forward to seeing this number grow as the students and faculty reduce waste and recycle more!

The students were very attentive as Autauga County's Solid Waste Officer John Paul O'Driscoll informed them about exactly where their recycled materials go. After being sorted at the Correctional Facility, the materials are baled and sold to paper mills and plastic manufacturers. Many of the materials stay right here in Alabama and get a new life

as a new product instead of ending up in a landfill.

After O'Driscoll did his report to the students, I gave my presentation on the lifecycle of a piece of trash. They learned that a plastic bottle can end up in a landfill, at a recycling facility or as a piece of litter. We discussed how long it takes a plastic bottle to biodegrade on its own and how littering is the worst possible outcome for a piece of trash. Autaugaville's Principal Lesia Robinson also spoke and encouraged the children to continue their good work with their recycling program.

Great work on Autaugaville Elementary for their commitment to being a Clean Campus School!

If you think a school near you would be interested in joining the Clean Campus Program or might like to have me present the 30-minute program on keeping Alabama more

beautiful, just have them give me a call at 334-263-7737 or send me an email at Jamie@alpals.org. ■

Jamie Mitchell is the PALS State Clean Campus Coordinator.

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Alabama People Against A Littered State (PALS) is dedicated to making our state more beautiful by sponsoring programs focused on cleaning up litter in Alabama's, streets, streams, campuses and coastlines. Below is the impact of that effort.

\$ 7.6 MILLION

TAXPAYER DOLLARS SAVED BY PALS IN LITTER CONTROL

'DON'T DROP IT ON ALABAMA' SPRING CLEANUP



COUNTIES INVOLVED



LITTER COLLECTED IN 2014



GROUPS ACROSS ALABAMA

ADOPT-A-MILE PROGRAM



SPONSORS 807

LOCATIONS 793

MILES ADOPTED 912

'DON'T DROP IT ON ALABAMA' COASTAL CLEANUP



CLEAN CAMPUS PROGRAM



30 NEW SCHOOLS IN 2014-15



314 STREAMS PROTECTED

ADOPT-A-STREAM PROGRAM

THE 2015 ALABAMA PALS GOVERNOR'S AWARDS WINNERS

Adopt a Mile

Highway 80 Adopt a Mile Group

Special Category

Rose Cantor – Jefferson

Royce and Joyce Minor – Autauga

Guntersville High School Wildcats/Work for Students and Earth – Marshall

Coleta Valley Fire Department – Clay

City of Foley Public Works Department – Baldwin

Coastal Cleanup

Theodore Industrial Canal Zone – Mobile

Daphne Zone – Baldwin

City

City of Guntersville Public Works

Litter Crew – Marshall

City of Cullman Sanitation Department – Cullman

County Commission Award

Marshall County Commission

County

Jefferson County Roads and Transportation Department

Law Enforcement

Officer Jeff Shaw – Sumter

Officer Shawn Nixon – Shelby

Marshall County Sheriff's Department

Jefferson County Sheriff's Department

Education

Oak Grove High School – Jefferson

PALS Special Award of Merit

Janice Castleberry – Covington

Honda Manufacturing of Alabama Spring Cleanup Award

Scott Gilchrist – Jefferson

Cullman County PALS

Vulcan Volunteer of the Year

Keith Golden – Jefferson

Don Hines Memorial Award

Jefferson County Storm Water Management Team

2014-15 Alabama Clean

Campus Awards

First Place: Lakewood Elementary – Russell

Second Place: Parkside High School – Cullman

Third Place: Cullman City Primary School – Cullman

Honorable Mention:

East Elementary School – Cullman

Prattville Intermediate School – Autauga

Welti Elementary School – Cullman

ALABAMA PA



Education Winners – Oak Grove High School



L to R: Jeff Helms, Jack Lakey – 1st, Cadence Bennett – 3rd, Addison Grimes – JM, Jack Adams – HM, Sarah Morris – HM, and not pictured, Luke Johnson – 2nd



Clean Campus Runner Up – Prattville Intermediate School



Coastal Cleanup – Theodore Industrial Canal Zone



Jefferson Co. Roads and Transportation Dept.



L to R: Abbi Stockman – 1st, Emma Stidham – 2nd, Jalyn Pryor – 3rd, Landen Fendley – HM, Arris LeMaire – HM, and Chayce McCaleb – HM.

PALS AWARDS



1st Place CCP Award – Lakewood Elementary



Coastal Clean Up – Daphne Zone



City Award – Guntersville Public Works Litter Crew



Guntersville High School Wildcats



Highway 80 Adopt-A-Mile Group

ALABAMA PA



*Honda Manufacturing Spring Clean Up Award –
Scott Gilchrist*



*Merit Award accepted on behalf of Janice Castleberry –
Covington County PALS*



*Clean Campus 2nd Place –
Cullman City Primary School*



CCP Runner Up – Welti Elementary



Marshall County Sheriff's Office



Officer Jeff Shaw



Jeff Helms and Kately Dunavent



Clean Campus Runner Up – East Elementary



Jeff Helms and Mickey Hunt – Marshall County PALS

PALS AWARDS



Vulcan Volunteer of the Year Award – L to R: Barbara Jones and Master Sergeant Keith Golden



Special Category Winner – Rose Cantor



Walmart Distribution Center 6016 – Cullman



Officer Shawn Nixon



CCP 2nd Place – Parkside School



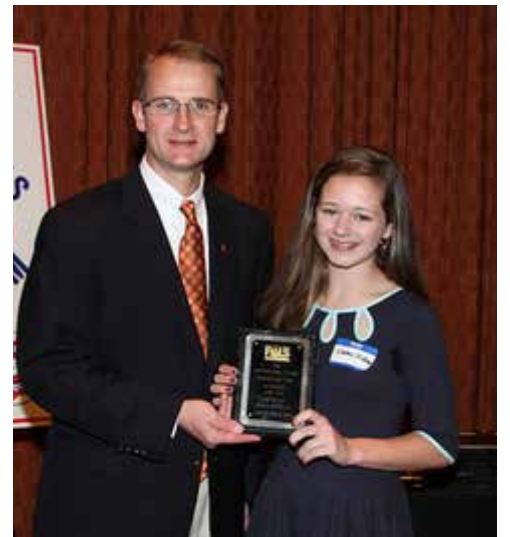
Jeff Helms and Alex Finch



City of Foley Public Works Department



Jefferson County Sheriff's Office



Jeff Helms and Emma Stidham

ALABAMA PA



L to R: Jeff Helms, Jeff Finch, Colby Staton and Katelyn Dunavent



L to R: Jamie Mitchell, Sarah Morris and Melanie Stokley



Coleta Valley Volunteer Fire Department



Jefferson County Storm Water Management Team



Honda Manufacturing Spring Clean Up Award – Cullman County PALS



Special Category – Royce and Joyce Minor

LS AWARDS



Jeff Helms and Landen Fendley



Jeff Helms and Colby Staton



Jeff Helms and Arris LeMaire



Jeff Helms and Chayce McCaleb



Jeff Helms and Cadence Bennett



Jeff Helms and Jack Adams



Jeff Helms and Jalyn Pryor



Jeff Helms and Abbi Stockman



Jeff Helms and Addison Grimes

THE ADOPT-A-STREAM PROGRAM

Adopt-A-Stream Application Form

Name of Participating Group _____

Address: _____

City: _____ State: _____ Zip: _____

Phone Number: _____ Email: _____

Contact Person: _____

Location of Proposed Stream Crossing: _____

_____ County: _____

Location for Adopt-A-Stream Signs (Hwy #'s, Mile Markers, etc.) _____

Send Applications to Alabama PALS, 340 N. Hull Street, Montgomery, AL 36104

THE ALABAMA ADOPT-A-BEACH PROGRAM

An Alabama PALS/ADCNR Coastal Program Partnership

Alabama Adopt-A-Beach Program Application

Name: _____

Name of Organization/Group _____

Address: _____

City: _____ State: _____ Zip: _____

Phone Number: _____ Email: _____

Location of Beach Area To Be Adopted (if known) _____

ADOPTION AREA PREFERRED Mobile County Baldwin County

ADCNR/State Lands/Coastal Section • 3115 Five Rivers Blvd. • Spanish Fort, AL 36527

Alabama PALS • 340 North Hull Street • Montgomery, Alabama 36104

Dates to Remember.....

- ✓ **January** – All Spring Cleanup Materials Ordered
January – PALS Newsletter Mailed
- ✓ **February 19th** – PALS Litter Law Enforcement Conference
- ✓ **March 9th** – 9:00am PALS Audit Committee
March 9th – 10:00am PALS Board of Directors Meeting
March 10th – Spring Cleanup Supplies Ready for Pick up
- ✓ **April 16-23** – 2016 “Don’t Drop It On Alabama” Statewide Cleanup
- ✓ **May 9th** – Poster and Recycled Art Contest Entries Due in PALS Office
- ✓ **July** – PALS Audit Committee and Board of Directors Meeting
- ✓ **September 17** – Alabama Coastal Cleanup
- ✓ **October 20th** – PALS Governors Awards Nominations Due in PALS Office
- ✓ **November** – PALS Governors wards Program

2016 PALS MEMBERSHIP FORM

Name _____

Address _____

City _____ State _____ Zip _____

Email Address _____ Phone # _____

MEMBERSHIP CATEGORIES

Sustaining Partner: \$500 Sustaining Steward: \$ 250 Litter Free Leader: \$100

PALS Advocate: \$50 PALS Partner: \$25

(Membership Dues are paid Annually)

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ALABAMA PALS 2016 SPRING CLEANUP - APRIL 16-23

"Don't Drop It On Alabama"





Calametti's Corner

Make an Impact

Although the six cent gas tax increase did not pass in this session's Legislature nor did the BP bill which would have allocated construction project funds to the Southwest Region, there are still several impactful construction projects on schedule to be let this fall.

The bridge replacement and interchange modification at I-65 and Celeste Road is scheduled to be let in July, correlating an October construction date. This project is expected to significantly improve the flow of traffic throughout North Mobile.

The Texas Street interchange modification which will allow ALDOT to close the Water Street ramp to I-10 Eastbound is also slated to begin this fall. With current funding issues for Mobile River Bridge, this project is anticipated to alleviate traffic congestion that currently exists at the Wallace Tunnel.

On the Eastern Shore, two projects expected to have a major impact on traffic flow will be let this August; an adaptive signal project on US 98 and an access management and beautification project on SR 182 in Orange Beach.

Finally, the widening of US 43 in the Grove Hill Area is slated for fall construction which will definitely improve the safety of this route.

Several Southwest Region employees have been instrumental in the concept, plan design and scheduling of these highly impactful projects.

While these projects may be highly profiled, I am also thankful for all Southwest Region employees who come to work every day striving to make our roadways safer and more efficient for the traveling public. Your daily impacts are essential to ALDOT's success.

Work-Communicate-Care

-Vincent E. Calametti
Southwest Region Engineer

ALDOT Southwest Region Newsletter

Baldwin • Conecuh • Escambia • Mobile • Clarke • Choctaw • Marengo • Monroe • Washington • Wilcox

MS4 Public Education and Outreach



The Alabama Department of Environmental Management (ADEM) issued ALDOT a Municipal Separate Storm Sewer System (MS4) Permit on March 21, 2013.

This permit allows ALDOT to discharge storm water runoff from the MS4 to waters of the State of Alabama in accordance with monitoring requirements.

The primary goal of the MS4 permit is to improve water quality by reducing pollutants in storm water discharge and to ensure proper management of storm water discharge into the waters of Alabama.

Under the MS4 permit, ALDOT is required to develop, implement and maintain a storm water management program (SWMP) to reduce the discharge of pollutants from its MS4.

The SWMP requires ALDOT to implement a public education and outreach program to inform the public of proper storm water management.

This program should inform the public of the potential impacts of storm water pollution, encourage citizen reporting of illegal spillage or dumping and should promote environmental stewardship actions and oppor-

tunities in the areas of litter control and cleanup.

To meet the requirements of ALDOT's MS4 permit, the Southwest Region has played an integral role in the development of the public education and outreach program.

In addition to providing environmental tips and updates via the ALDOT Mobile Area Twitter account, the Southwest Region has participated in various environmental community events such as the Alabama Coastal Foundation Water Festival and the

(Continued on page 2)

MS4 Public Education and Outreach

(Continued from page 1)

Spring Hill Avenue Litter Cleanup

On Saturday, April 16 South-west Region and the City of Mobile hosted the Spring Hill Avenue Litter Cleanup.

More than 80 volunteers including Mobile Mayor Sandy Stimpson, Councilman Fredrick Richardson, the Girl Scouts of Southern Alabama and Mobile County high school students arrived at Mobile Infirmary at 8 a.m. to clean the streets of Mobile.

Along the two mile route, from Mobile Infirmary to the inter-section of Spring Hill Avenue and Moffett Road, volunteers collected more than 20 cubic yards of litter.

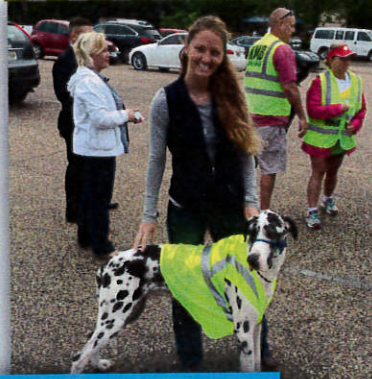
All volunteers were provided gloves, litter grabbers, safety vests, garbage bags, hand sanitizer, drinks and snacks courtesy of Greer's Market, Mobile County Public School System, Spring Hill Avenue United Methodist Church and many other local businesses.

Lunch was also provided, courtesy of Mobile Gas, who

grilled more than 200 hot dogs for hungry volunteers!

The success of the SW Region's first MS4 public outreach event did not go unnoticed. Evan Davis and Cheyenne West have been invited to Montgomery to present the MS4 Public Education and Outreach Program to ADEM during the ALDOT MS4 audit.

If you are interested in MS4 volunteer opportunities, please contact Cheyenne West at westc@dot.state.al.us.



Tweet

 **ALDOT Mobile Area**
@ALDOTMobileArea

We want to hear from you! Please notify ALDOT of any environmental concerns in your area: miscwapps.dot.state.al.us/EC_Concern/
#KeepMobileBeautiful



Spring Hill Avenue Litter Cleanup



You're invited to the Spring Hill Avenue Litter Cleanup!

Who: City of Mobile and ALDOT

When: Saturday, April 16th, 8:00 AM to 11:00 AM

Where: Mobile Infirmary, Medical Office Building

1720 Spring Hill Avenue, Mobile, AL

Contact: stormwater@cityofmobile.org



#onecleanmobile

**ALDOT MS4-Applicable Employee Education:
Fiscal Year 2016**

Event	Date(s)	Total Employee Attendees
Professional Education Events		
AASHTO NTPEP Annual Meeting	05/09/2016	1
ADEM Nonpoint Source Conference	01/20/2016	24
AGC-MnDOT Construction and Grading Innovations Technology Forum	12/08/2015	1
Alabama ASCE Summer Meeting	07/20/2016	22
Alabama ASCE Winter Meeting	02/18/2016	7
Alabama Chapter Soil & Water Conservation Society Annual Conference	06/08/2016	13
Alabama Invasive Plant Council Annual Conference	05/03/2016	10
Alabama Storm Water Symposium	05/10/2016	6
Alabama Vegetation Management Society Annual Meeting	02/23/2016	188
Alabama's Water Environment Association Annual Conference	04/10/2016	1
ALDOT Annual Maintenance Management Meeting	08/10/2016	190
ALDOT Annual Pre-Construction Conference	05/02/2016	141
ALDOT Construction & Materials Engineers' Conference	09/13/2016	209
Annual Transportation Conference	02/09/2016	405
Clear Water Alabama	08/24/2016	29
EnviroCert BOD Meeting	11/04/2015	1
EPA/SEIECA Annual MS4 Stormwater Conference	05/16/2016	3
IECA Environmental Connection Conference	02/16/2016	1
IECA Mountain States Chapter Annual Conference	11/05/2015	1
MS4 Lunch-and-Learn	07/25/2016	9
T2 - Erosion & Sediment Control Hands-On Field Installer Workshop	11/18/2015	31
T2 - Erosion Control, Sediment Control, & Stormwater Management on Construction Sites	03/23/2016; 03/24/2016; 03/30/2016; 03/31/2016	24
T2 - Innovative Erosion & Sediment Control Field Day	11/20/2015	56
Training *		
Alabama Underground Storage Tank Regulatory Update	02/02/2016; 02/03/2016; 02/09/2016; 02/11/2016; 06/01/2016; 06/02/2016; 06/16/2016; 06/21/2016; 08/23/2016; 09/22/2016	43
ALDOT Post-Construction Stormwater Management Workshop	04/21/2016	29
Construction Stormwater Workshop for Designers	08/16/2016; 08/18/2016	17
Drainage Design for Roadways	10/26/2015	13
EPA's Storm Water Management Model (SWMM) Software Demonstration	12/10/2015	14
HAZWOPER 40-Hour Certification Course	12/14/2015; 01/11/2016; 02/22/2016	7
HAZWOPER 8-Hour Refresher Course	10/28/2015; 12/09/2015; 01/20/2016; 02/19/2016; 03/23/2016; 05/25/2016; 06/15/2016; 08/23/2016	64
MS4 Overview: North Region, Tuscumbia Area	10/07/2015	21
MS4 Overview: Southwest Region, Mobile Area	10/30/2015; 11/17/2015	9
QCI Certification Training	10/01/2015; 10/20/2015; 11/05/2015; 11/17/2015; 12/10/2015; 05/25/2016; 06/02/2016; 06/23/2016; 06/24/2016; 07/14/2016; 08/18/2016; 09/20/2016	35
Review for Commercial Applicator Examination	11/10/2015; 02/09/2016; 02/11/2016; 08/03/2016; 08/04/2016; 08/09/2016	93

* QCI recertification training, vegetation management training course, and support facility SPCC & universal waste training data presented separately.

**ALDOT QCI Recertification Training:
Fiscal Year 2016**

Date	Location	ALDOT	City/County	Consultant	Certification Total	<i>Audit Only</i>	Session Total
06/02/2016	SW Region - Grove Hill	14	1	1	16		16
06/07/2016	SE Region - Montgomery	23	6	8	37	<i>1</i>	38
06/08/2016	EC Region - Alexander City	21			21		21
06/09/2016	EC Region - Alexander City	2	11	4	17		17
06/10/2016	SE Region - Montgomery	20	5	10	35	<i>2</i>	37
06/15/2016	WC Region - Tuscaloosa	21	2	4	27	<i>5</i>	32
06/16/2016	EC Region - Birmingham	8	9	11	28		28
06/17/2016	WC Region - Tuscaloosa	16	13	2	31	<i>2</i>	33
06/20/2016	North Region - Tuscumbia	25	8		33		33
06/21/2016	North Region - Guntersville	12	20		32		32
06/21/2016	North Region - Guntersville	29			29	<i>1</i>	30
06/23/2016	North Region - Tuscumbia	14	4		18	<i>3</i>	21
06/24/2016	North Region - Guntersville	12	6	4	22	<i>1</i>	23
06/27/2016	SW Region - Mobile	23	9	2	34		34
06/27/2016	SW Region - Mobile	9	18	2	29		29
06/29/2016	SW Region - Grove Hill	22		1	23		23
07/06/2016	WC Region - Tuscaloosa	21	4		25		25
07/07/2016	EC Region - Birmingham	8	14	5	27		27
07/08/2016	SE Region - Montgomery	13		6	19	<i>1</i>	20
07/11/2016	SE Region - Troy	12	7	4	23		23
07/13/2016	WC Region - Tuscaloosa	18	15	2	35	<i>1</i>	36
07/14/2016	EC Region - Alexander City	28	2		30		30
07/25/2016	EC Region - Birmingham	20	5	7	32		32
07/26/2016	SE Region - Troy	15	6	6	27		27
07/29/2016	SE Region - Montgomery	35			35	<i>2</i>	37
09/20/2016	SE Region - Montgomery	18	4		22		22
TOTAL		459	169	79	707	<i>19</i>	726

**ALDOT Vegetation Management Training Course:
Fiscal Year 2016**

Date	Location	ALDOT Attendees	Non-ALDOT Attendees	Attendee Total	ALDOT Facilitating	Non-ALDOT Facilitating	Participant Total
10/01/2015	Tuscumbia	23	5	28	4	2	34
10/07/2015	Fayette	27	0	27	4	2	33
10/08/2015	Tuscaloosa	29	0	29	4	2	35
10/21/2015	Birmingham	16	17	33	4	2	39
10/22/2015	Alexander City	34	5	39	4	2	45
10/28/2015	Troy	32	23	55	4	2	61
10/29/2015	Montgomery	40	9	49	4	2	55
11/04/2015	Mobile	24	0	24	4	2	30
11/05/2015	Grove Hill	20	11	31	3	1	35
09/27/2016	Fayette	27	2	29	3	1	33
09/28/2016	Tuscaloosa	32	3	35	3	1	39
TOTAL		304	75	379			439

**ALDOT MS4 Support Facilities
SPCC & Universal Waste Training:
Fiscal Year 2016**

Facility Name	Session Date	Employees Trained
Central Office Complex	10/20/15	7
Tuscumbia Area Office	11/18/15	26
Tuscumbia District Office	12/09/15	20
Calera District Office	03/11/16	21
Anniston District Office	09/09/16	12
Tuscaloosa Area Office	09/20/16	15
Tuscaloosa District Office	09/19/16	26
Speigner District Office	01/06/16	17
Montgomery Area Office	01/13/16	11
Montgomery District Office	12/14/15	26
Dothan District Office	07/14/16	20
Mobile Area Office	01/19/16	31
Mobile District Office	01/11/16	8
Tunnel Office	01/19/16	10
TOTAL		250

Alabama Department of Transportation Vegetation Management Training 2015 Program Agenda

- 8:30 A.M. **Howard Peavey**, ALDOT Agronomist
- Welcome & Introductions
- Miscellaneous Vegetation Management & Herbicide Issues
- 9:15 A.M. **Herbicide Industry Representative**
- Mixing Do's & Don'ts
- Jacob Hodnett, Dow AgroSciences
 - Gueth Braddock, Bayer Crop Sciences
 - Jerry McGukin, Bayer Crop Science
 - Dr. Jason Belcher, Bayer Crop Science
- 9:45 A.M. BREAK
- 10:05 A.M. **Dale Dickens**, Urban Forestry Coordinator, Alabama Forestry Commission
- Tree Trimming Techniques and Consequences
- 10:50 A.M. **Jonathan Woodham**, ALDOT Agronomist
- Herbicide Application Reporting
- 11:10 P.M. **Farrell Baggett**, ALDOT Superintendent: S.W. Region
- The Right Early Spring Application Can Be Budget Friendly
- 11:50 A.M. LUNCH (on your own)
- 12:50 P.M. **Howard Peavey**, ALDOT Agronomist
- Herbicide Program Review
- 1:20 P.M. **Randy Rankin**, ALDOT
- Safety Issues
- 2:00 P.M. BREAK
- 2:20 P.M. **Jonathan Woodham**, ALDOT Agronomist
- Herbicide / Mechanical Control Cost Comparisons
- 2:50 P.M. **Howard Peavey**, ALDOT Agronomist
- Herbicidal Brush Control
- 3:10 P.M. Final Comments / Adjourn

Alabama Department of Transportation Vegetation Management Training 2016 Program Agenda

- 8:30 A.M. **Howard Peavey, ALDOT Agronomist**
- Welcome & Introductions
- Miscellaneous Vegetation Management & Herbicide Issues
- 9:15 A.M. **Herbicide Industry Representative**
- Safety Issues
 - Jacob Hodnett, Dow AgroSciences
 - Gueth Braddock, Bayer Crop Sciences
- 10:00 A.M. BREAK
- 10:20 A.M. **Randy Rankin, ALDOT Herbicide Truck SME**
- Fill Charts
- 11:00 A.M. **Jonathan Woodham, ALDOT Agronomist**
- Herbicide Application Reporting
- 11:20 P.M. **Howard Peavey, ALDOT Agronomist**
- NPDES Permit Update
- 12:00 LUNCH (on your own)
- 1:00 P.M. **Howard Peavey, ALDOT Agronomist**
- Drift Management
- 2:00 P.M. BREAK
- 2:20 P.M. **Jonathan Woodham, ALDOT Agronomist**
- UAV use at ALDOT
- 3:00 P.M. **Howard Peavey, ALDOT Agronomist**
- Perspective / Esplanade Updates
- 3:30 P.M. Final Comments / Adjourn

**ALDOT Environmental Concerns Log:
Fiscal Year 2016***

Date	Description of Concern	County	Location Description	Report Source	Category of Concern	ALDOT Follow-Up Action(s)
11/03/2015	Possible deficiencies in erosion and sediment control BMPs.	Lee	AL-147, northeast of N. Donahue intersection	Adjacent MS4 (City of Auburn)	Construction Site Discharge Concern	Delegated to and addressed by proper ALDOT representative.
01/10/2016	"Dangerous sharpe edge pieces of metal along the Hwy. When state workers cutting right away this metal causes dangers to cars. The metal comes from SMART Plant. Their bundled machine is broken down for months and they throw material on trucks and the metal is not bundled therefore flies off trucks hauling it to Greenville, I think this is where it is going. Metal pieces fall in front of cars that gets behind these trucks. I have samples picked up today in the Hwy. Very rugged pieces of medal. Pieces are hitting cars. Less than 100 yards, I picked up 10 pieces. This is automotive metal from SMART plant on Hwy 331 and easily identified. This is a serious hazard to people and cars. An accident is waiting to happen. The metal pieces are on both sides and in the road."	"Crenshaw"	"South of Smart Plant. Sides of road and in the road. Hwy331 and Hwy 10 going toward Greenville."	Environmental Concerns Reporting Tool	Non-Environmental	Delegated to proper ALDOT representative.
01/18/2016	"There is lots of gravel and dirt in the roadway here, street sweepers needed here."	"Montgomery"	"The on road off of Twain Curve." [US-231]	Environmental Concerns Reporting Tool	Transportation Facility Good Housekeeping Concern	Delegated to and addressed by proper ALDOT representative.
02/10/2016	"The road floods during heavy rains that approach 4"/hour. The most recent event was on 2Feb 2016. This 300 foot sections has lost the gravel next to the pavement resulting in a drop of several inches. The road bed has begun eroding on the south side and the ditch on the north side is filled with the displaced gravel. Due to line of sight, the east bound lane can not see the flooded pavement. This has been a safety issue for many years. Please forward to the correct department for action. Thank You: [redacted]"	"Limestone"	"4 miles west of Athens near Owens Senior Center"; "Hwy 99"	Environmental Concerns Reporting Tool	Transportation Facility Good Housekeeping Concern	Delegated to and addressed by proper ALDOT representative.

ALDOT Environmental Concerns Log:
Fiscal Year 2016

Date	Description of Concern	County	Location Description	Report Source	Category of Concern	ALDOT Follow-Up Action(s)
03/04/2016	<p>"I contacted ADOT, spring of last year concerning a ditch in front of our business. An engineer came by and said they would clean it out with their equipment and have "stone" added. After two months, I called to see when the work would be done. I was told, they were running behind, but it would be soon. Another few months went by without any work being done. Around October of 2015, a crew did come by, with the equipment, but left after a few minutes without consulting me. I have since contacted Tuscaloosa ALDOT and was told they would check into it and call me back. It is now March of 2016 and I'm still waiting on the work and the call back. I am very disappointed with the service of this department. Our business is a car dealership. Last year we found two snakes in this over grown ditch. Our concern is that customers kids will play in this ditch, creating a dangerous situation. Please have someone from this department contact me."</p>	"Tuscaloosa"	"2055 Skyland Blvd. E. Tuscaloosa, Al. 35405"	Environmental Concerns Reporting Tool	Transportation Facility Good Housekeeping Concern	Delegated to and addressed by proper ALDOT representative.
06/21/2016	Possible sanitary sewage originated from an adjacent MS4 (City of Dothan) on ALDOT property.	Houston	Near intersection of US-231 and Ross Clark Circle in southern Dothan	Citizen Report	Possible Illicit Discharge	Investigation conducted by appropriate ALDOT personnel using "Non-Storm Water Discharge Investigation Form" (SWMPP, App. D); traced possible illicit discharge to ALDOT property boundary. Adjacent MS4 notified of possible illicit discharge and provided with ALDOT investigation findings.
08/01/2016	<p>"During wet weather the ditches in front of my property fail to drain and they leave standing water for long periods of time. With the concerns of Zieka born by mosquitoes I would ask that the ditches be graded to provide proper drainage. [redacted]"</p>	"Limestone"	"US 72 East of Athens"	Environmental Concerns Reporting Tool	Transportation Facility Good Housekeeping Concern	Delegated to and addressed by proper ALDOT representative.

ALDOT Environmental Concerns Log:
Fiscal Year 2016

Date	Description of Concern	County	Location Description	Report Source	Category of Concern	ALDOT Follow-Up Action(s)
08/08/2016	Litter observed in Tallapoosa River. Some litter may originate from motorists using ALDOT roads.	Tallapoosa	Tallapoosa River near AL 229	Alabama Department of Conservation & Natural Resources	Transportation Facility Good Housekeeping Concern	Delegated to proper ALDOT representative. Exploring partnerships with local organizations for ongoing litter control.
08/09/2016	"Grass in the medians is severely overgrown and looks absolutely awful. This area of Montgomery has many nice subdivisions but the unsightly views of these areas could have a negative impact on persons wishing to purchase homes in these areas. The grass is well over three feet in some areas. I have addressed this to the city of Montgomery who informed me that this area is the responsibility of the state. I would like a reply. Thank you. Respectfully, [redacted]"	"Montgomery"	"Taylor Road from Interstate 85 to Troy Highway" [US-271]	Environmental Concerns Reporting Tool	Transportation Facility Good Housekeeping Concern	Delegated to and addressed by proper ALDOT representative.
08/11/2016	"We travel freq. for health. If someone had car trouble (ie, flat tire) it would get lost in some of nearly chest deep median and outside lane grass along the way. To say nothing going about hidden hazards..glass, snakes. [redacted]"	(none provided)	"Between Montgomery and Dothan"; "U S 231"	Environmental Concerns Reporting Tool	Non-Environmental	Delegated to proper ALDOT representative.

* Information about possible illicit discharges discovered during major outfall screening is provided in Appendix D in "ALDOT Major Outfall Inventory & Screening Summary (through Fiscal Year 2016)."

MS4 Public Education & Outreach - Social Media

 **ALDOT Mobile Area**
@ALDOTMobileArea

We want to hear from you! Please notify ALDOT of any environmental concerns in your area: miscwapps.dot.state.al.us/EC_Concern/
[#KeepMobileBeautiful](#)

 **ALDOT Mobile Area**
@ALDOTMobileArea

Fun day at the @alabamacoastal Baldwin County Water Festival!
[#ProtectingTheCoastalEnvironment](#)
[#ConnectToYourCoast](#)



 **ALDOT Mobile Area**
@ALDOTMobileArea

Spring Hill Ave. Litter Cleanup has kicked off! It's time to clean Mobile!
[#onecleanmobile](#)



 **ALDOT Mobile Area**
@ALDOTMobileArea

Want to make a difference in your community? Help keep our roadways clean by joining the Adopt-A-Mile program today! alpals.org/content.cfm?pa...

3/22/16, 2:05 PM

 **ALDOT Mobile Area**
@ALDOTMobileArea

Summer is almost here! Help clean & maintain our waters by Adopting a Stream today! [#MakeADifference](#)
[#CleanOurCoast](#) alpals.org/content.cfm?pa...

< Tweet 🔍 📧

Mark your calendars, Mobile! Join us this Sat. 4/16 for the Spring Hill Ave. Litter Cleanup! #onecleanmobile



You're invited to the Spring Hill Avenue Litter Cleanup!

Who: City of Mobile and ALDOT
When: Saturday, April 16th, 8:00 AM to 11:00 AM
Where: Mobile Infirmary, Medical Office Building
1720 Spring Hill Avenue, Mobile, AL
Contact: stormwater@cityofmobile.org

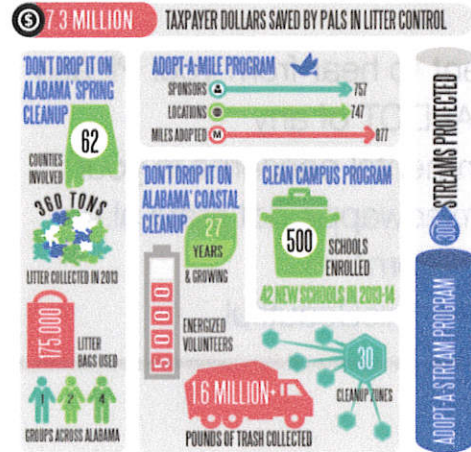


< Tweet 🔍 📧

Make a difference & join a PALS anti-litter program today!
#PeopleAgainstALitteredState alpals.org

ALABAMA PALS BY THE NUMBERS

Alabama People Against A Littered State (PALS) is dedicated to making our state more beautiful by sponsoring programs focused on cleaning up litter in Alabama's, streets, streams, campuses and coastlines. Below is the impact of that effort.



Reply to ALDOT Mobile Area

< Tweet 🔍 📧



ALDOT Mobile Area
@ALDOTMobileArea

Friendly reminder to drop off Mardi Gras beads @ Metro Recycling Center. Beads will be donated to Augusta Evans School! #keepmobilebeautiful

2/1/16, 10:49 AM

< Tweet 🔍 📧



ALDOT Mobile Area
@ALDOTMobileArea

Spring Hill Ave is litter free! Thank you to everyone who participated in today's litter cleanup!



< Tweet 🔍 📧



ALDOT Mobile Area
@ALDOTMobileArea

The Mobile Bay area is celebrating Earth Day this Saturday @ Fairhope Pier Park
earthdaymobilebay.org
#EarthDayMobileBay

4/21/16, 10:24 AM



Robert Bentley
GOVERNOR

ALABAMA DEPARTMENT OF TRANSPORTATION

EAST CENTRAL REGION
100 CORPORATE PARKWAY
SUITE 450
HOOVER, AL 35242
P.O. BOX 382348
BIRMINGHAM, AL 35238-2348
TELEPHONE: (205) 327-4962



John R. Cooper
TRANSPORTATION DIRECTOR

TO: Environmental Stakeholders

FROM: DeJarvis Leonard 
East Central Region Engineer

RE: Environmental Connection Meeting

DATE: July 18, 2016

ALDOT Environmental Stakeholders, I am DeJarvis Leonard, Region Engineer for the East Central Region. I am writing to let you know that we will be hosting an Environmental Connection Meeting at the East Central Region Office on Tuesday, July 26. We will meet from 3 p.m. to 5 p.m. Our office is located at 100 Corporate Parkway, Suite 450 Hoover, AL 35242.

The purpose for this Environmental Connection Meeting is to share what's happening in the East Central Region, and introduce you to our key local contacts. Also, we want to get to know you and better understand your organization's purpose and what we can do to help benefit your mission.

Due to space and time constraints, we ask that you limit representatives to 2 or 3 per organization. During the meeting, we will share opportunities and methods for discussing details of specific issues with us later.

We look forward to seeing you at our East Central Region Environmental Connection Meeting. Please e-mail Linda Crockett at crockettl@dot.state.al.us if you will be able to attend.

Thank you in advance.

**Environmental Connection Meeting
 Tuesday, July 26, 2016
 East Central Region Office
 Attendance Record**

Names	Representing	Telephone	E-Mail
Adam Anderson ✓			
M. Blackwood			
Frank Chitwood ✓	Coosa Riverkeeper	205-981-6565	riverkeeper@coosariver.org
Calvin Cook ✓	ALDOT	256-234-8419	cookc@dot.state.al.us
Randy Haddock ✓	Calhoun River Soc	205 322 5326	LandyH@calhounriversociety.org
Sam Howell ✓	FRIENDS OF WEST FLYING RIVER	205-706-9374	SAM@FLFR.ORG
Wendy Seesock X			
Beth Stewart X			
Wade Henry ✓			
Sarah Stokes	SELC		sstokes@selcal.org
Mitch Roesel	ARA	205 322 6395	mroesel@abhamrivers.org
Ken Couch	ALDOT	205 581 5622	couchk@dot.state.al.us
Ken CUSH	"	254-234-8470	CUSHK@dot.state.al.us
Steven Corley	"	256 234 8420	corleys@dot.state.us
Bill Mathews	Friends of Shales Creek	205-871-1777	bmathews@judson.edu
Mike Corley	ALDOT Alex City Area	256-234-8525	corleym@dot.state.al.us
GARY SMITH	ALDOT B'HAM AREA	205-581-5615	SMITHG@DOT.STATE.AL.US
Stan Biddicks	ALDOT		Biddicks@dot.state.al.us
Steve Haynes	ALDOT		Hayness@dot.state.al.us

Environmental Connection Meeting
Tuesday, July 26, 2016
East Central Region Office
Attendance Record

Name	Representing	Telephone	E-Mail
Garry Banks	ECR	334	
Jim Bearrentine ✓	ECR	334-242-6624	bearrentinej@dot.state.ga.us
Sandra Bonner ✓	Same		
Geneva Brown ✓	Same		
Maqueshia Brown ✗	Same		
Robert Camp ✓	Same		
Steven Corley ✓	Same		
Ken Couch ✓	Same		
Linda Crockett ✓	Same		
Ken Cush ✓	Same		
Barry Fagan ✓	Same		
DeJarvis Leonard ✗	Same		
Blake Miller ✓	Same		
Mike Mahaffey ✓	Same		
Lance Taylor ✓	Same		

**ALDOT Community Outreach Group Meetings:
Fiscal Year 2016**

Date	Group	COG Attendees	Other Attendees*	ALDOT Attendees	Total Attendees	Purpose
11/12/2015	Birmingham Northern Beltline	4	2	6	12	Review of educational video about highway construction update and on-line quiz; feedback from group for website.
11/19/2015	Coliseum Boulevard Plume	0	28	1	29	Annual update for Montgomery Area Association of Realtors.
12/01/2015	Coliseum Boulevard Plume	4	2	4	10	Launching of nominations for new members; discussion about meeting with new city council representative for orientation.
01/21/2016	Capital City Plume**	8	4	0	12	Orientation for community outreach group; overview of Capital City Plume project and outline of technical work plan.
03/31/2016	Safe 98	10	2	4	16	Project update and discussion about funding issues.
04/15/2016	Coliseum Boulevard Plume	0	2	2	4	Orientation of new city council members and identification of potential new community outreach group members.
05/03/2016	Capital City Plume**	7	4	0	11	Planning for community outreach prior to beginning of field work; review of website and use of social media for notices.
05/19/2016	Birmingham Northern Beltline	4	3	3	10	Update on BNB project and environmental issues; observation of project and plans for post-construction maintenance.
06/13/2016	Coliseum Boulevard Plume	1	1	1	3	Orientation of new Vista View representative on community outreach group; discussion about other potential members and Vista View neighborhood issues.
09/01/2016	Capital City Plume**	6	4	0	10	Review of results of groundwater sampling; planning for next phase of sampling soil vapor and surface water and groundwater level monitoring; review of website, social media notices, and preliminary educational video
09/19/2016	Birmingham Northern Beltline	5	3	5	13	Final observation of first project in first section of BNB; discussion of permit status on post-construction maintenance.

* Can include facilitators, consultants to ALDOT, realtors at Montgomery Area Association of Realtors members, or selection panel members.

Design of LID stormwater controls for Transportation Engineering
April 21, 2016
Montgomery, AL

(830 AM - 850 AM) Introduction – Why is LID important?

(850 – 920 AM) Overview of various BMPs

(920 – 945 AM) Overview of ALDOT pre/post policy

(945 – 10 AM) Break

(10-11 AM) Small Storm Runoff Calculations

Pre/post runoff volume

Pre/post peak runoff rate

(11 – noon) Design of bioretention cells (transportation in mind)

Flow through porous media (Darcy)

Sizing underdrains

Estimating runoff volume reduction

Lunch

(1245 - 200 PM) Design of Filter Strips and Swales for volume reduction

Infiltration Swales

Soil Amendments

Calculations to determine swale geometry

Few slides on regenerative stormwater conveyance

(200 - 215 PM) Design of Infiltration Basins

(215 - 230 PM) Break

(230 - 3 PM) Presentation of case study/ies

(3 – 4 PM) Group work on case studies

(4 - 5 pm) Discussion of design challenges/wrap up

All:

ALDOT SW Region and the City of Mobile are pleased to announce a MS4 Lunch and Learn for contractors, engineers and construction professionals featuring guest speaker:

Dr. Wesley Donald, CPESC from Auburn University who will be speaking on **BMP/Erosion Control Device** testing/research.

When? **Monday, July 25th from 11am -1pm**

Where? **ALDOT SW Region Office
1701 I-65 West Service Road North
Mobile, Al 36618-1109
Building N**

RSVP is required to attend by email to stormwater@cityofmobile.org – seating is limited – on a first come first served basis.

Attendance is limited to two (2) attendees per firm (contractor or engineering). We will make a waiting list and will contact you if we have extra slots. If interest warrants, another session may be offered.

PDH certificates will be awarded for participants who attend the session and RSVP indicating they would like a certificate.

This event is free of charge. Thank you to our sponsors who make this event possible:
Alabama Pipe & Supply, AbTech Industries, ADS/Nyloplast, Contech, Forterra Pipe and Precast, & Sunshine Supplies.

Questions? Email stormwater@cityofmobile.org

Sincerely,

ALDOT Southwest Region and City of Mobile
MS4 Storm Water Management Programs
#onecleanmobile



**ALDOT Stormwater Management Research:
Fiscal Year 2016**

Project No.	Project Title	Research Partner	Total ALDOT Funding	Active during FY 2016?
930-869	Evaluation of Sediment Barriers Using Large-Scale Techniques	Auburn Univ.	\$245,688	YES
930-863	Evaluation of High-Rate Settling Technology for Sediment Control in Roadway Construction Sites	Auburn Univ.	\$357,770	YES
930-853R	Evaluation of Inlet Protection Practices Using Large-Scale Testing Techniques	Auburn Univ.	\$336,550	YES
930-837R	Monitoring and Predicting the Effects of Post-Construction Stormwater Runoff from Roadways in Watersheds	Auburn Univ.	\$228,561	NO
930-826R	Evaluation of ALDOT Ditch Check Sediment Control Practices Using Large-Scale Testing Techniques	Auburn Univ.	\$336,101	NO
930-811R	Vegetated Filter Strip Performance Evaluation for Cost-Effective Roadway Runoff Treatment in Alabama	Univ. of South Alabama	\$114,187	NO
930-784	Maintain Vegetation for Long-Term Erosion Control on Disturbed Slopes	Auburn Univ.	\$42,050	NO
930-767	Agronomic Solutions for Establishment of Roadside Vegetation	Auburn Univ.	\$86,068	NO
930-751	Techniques for Establishing Vegetation for Long-Term Erosion Control on Disturbed Slopes	Auburn Univ.	\$50,000	NO
930-678	Vegetation Management for Alabama's Highway Rights-of-Way	Auburn Univ.	\$251,244	NO
930-655	Development of a Test Facility to Evaluate the Optimal Design of BMPs for Managing Environmental Problems at Construction Sites	Auburn Univ.	\$347,693	NO
930-486	Mapping, Control and Revegetation of Cogongrass on ALDOT Rights-of-Way	Auburn Univ.	\$225,640	NO

**MS4 Audit Office Interviews:
Public Education & Public Involvement**

- Brief Introductions & General Roles
- Targeted pollutants & respective primary sources – Media (Joshua Phillips)
- Education for the general public
 - Alabama PALS (educational materials) – Maintenance (James Bearrentine)
 - Environmental Programs Web site – Design (Barry Fagan)
 - Montgomery County Water Festival – Design (Wade Henry)
- Involvement with the public
 - Alabama PALS (litter pickup program) – Maintenance (James Bearrentine)
 - Keep Alabama Beautiful – Maintenance (James Bearrentine)
 - Restoration projects – Design (Barry Fagan)
 - Cypress Nature Park
 - Parkinson’s Mill Creek
 - Little Shades Creek
 - Coliseum Boulevard Plume
 - Community outreach meetings – Media (Joshua Phillips)
 - Safe98
 - Coliseum Boulevard Plume
 - Birmingham Northern Beltline
 - Dialogue with environmental advocacy groups – Design (Barry Fagan)
 - Leadership in professional organizations – Design (Barry Fagan)
 - Environmental Programs Web site – Design (Barry Fagan)
 - Ongoing development of the SWMPP
 - Environmental Concerns Reporting Tool
- Education for employees & contractors
 - Qualified Credentialed Inspector program – Construction (Tracy Stegmaier)
 - Vegetation management training – Maintenance (James Bearrentine)
 - Support facility good housekeeping training – M&T (Adam Anderson)
 - Other activities – Design (Wade Henry)
 - Professional meetings
 - Intradepartmental meetings
- Additional education activities – Design (Barry Fagan)
 - University research funding
 - Meetings with other DOTs



ALDOT MS4 Program

Mock MS4 Audit
Mobile Area Facilities
13 - 14 June 2016

AGENDA

Monday, 13 June 2016

1:00 PM Tunnel Office Inspection
Facility Walkthrough
4:00 PM Adjourn

Tuesday, 14 June 2016

8:30 AM Mobile Area Office / Mobile District Office Inspection
Facility Walkthrough
Records Review (Employee Training, Citizen Concerns, Maintenance Actions)
12:00 PM Lunch
1:00 PM Debriefing / Exploratory Discussion
Inspection Findings
ADEM MS4 Audit Outcomes
SWMP Plan Revision
Future Roles of Region / Area in ALDOT MS4 Program
2:00 PM Adjourn

Expected Attendees:

ALDOT Mobile Area (Evan Davis, personnel typically present during facility inspections)
ALDOT Design Bureau (Wade Henry, Barry Fagan, Scott Rogers)
ALDOT M&T Bureau (Adam Anderson, Chelsey Dorman)
ALDOT Maintenance Bureau (James Bearrentine, Richard Klinger)
Trimble Navigation Limited (Dewayne Smith)



ALDOT MS4 Program

ADEM MS4 Audit

Location

ALDOT Montgomery Area

Training Facility

1525 Coliseum Blvd

Montgomery, AL 36110

Date and Time

May 23-25, 2016

Agenda

Monday, May 23, 2016

TAB

9:00 am	Welcome/Introduction	Barry Fagan John Lorenstson	
9:15 am	Overview	Scott Rogers	1
9:45 am	Break		
10:00 am	Public Education and Public Involvement	Barry Fagan	2-7
	Training	Cheryl Klein	8
	KAB and PALS	Mark Waits	9
	Mobile Region	Evan Davis/Cheyenne West	10
11:30 am	Lunch		
1:00 pm	Pollution Prevention/Good Housekeeping	Jim Bearrentine	11
	Transportation Facilities		
	Vegetation Management	Howard Peavey	12
	RoadMAP	Tracy Fletcher	13
	Support Facilities	Adam Anderson	14
3:00	Debriefing and Adjourn	Marla Smith	



ALDOT MS4 Program

ADEM MS4 Audit

Tuesday, May 24, 2016

TAB

9:00 am	Illicit Discharge Detection and Elimination	Richard Klinger	15
10:15 am	Break		
10:30 am	Monitoring	Brian Kane Sushban Shrestha	16
11:30 am	Lunch		
1:00 pm	Construction Site Runoff	Barry Fagan	17
	Design Components	Wade Henry	18
	Construction Components	Tracy Stegmaier	19
2:30 pm	Break		
2:45 pm	Post-Construction Stormwater Mgmt and Structural Controls Operation	Wade Henry	20
3:00	Debriefing and Adjourn	Marla Smith	

Wednesday, May 25, 2016

8:30	Construction Site Visit (Birmingham Northern Beltline)	Barry Fagan	
TBD	Audit Debriefing	Marla Smith	

Appendix D:
Supplemental Material for Section II.D

ALDOT Major Outfall Inventory & Screening Summary

IDDE Outfall Map Index

ALDOT MS4 Area Maps
*(subset depicting major outfall inventory
completed during FY 2016)*

ALDOT MS4 Major Outfall Inventory Schedule

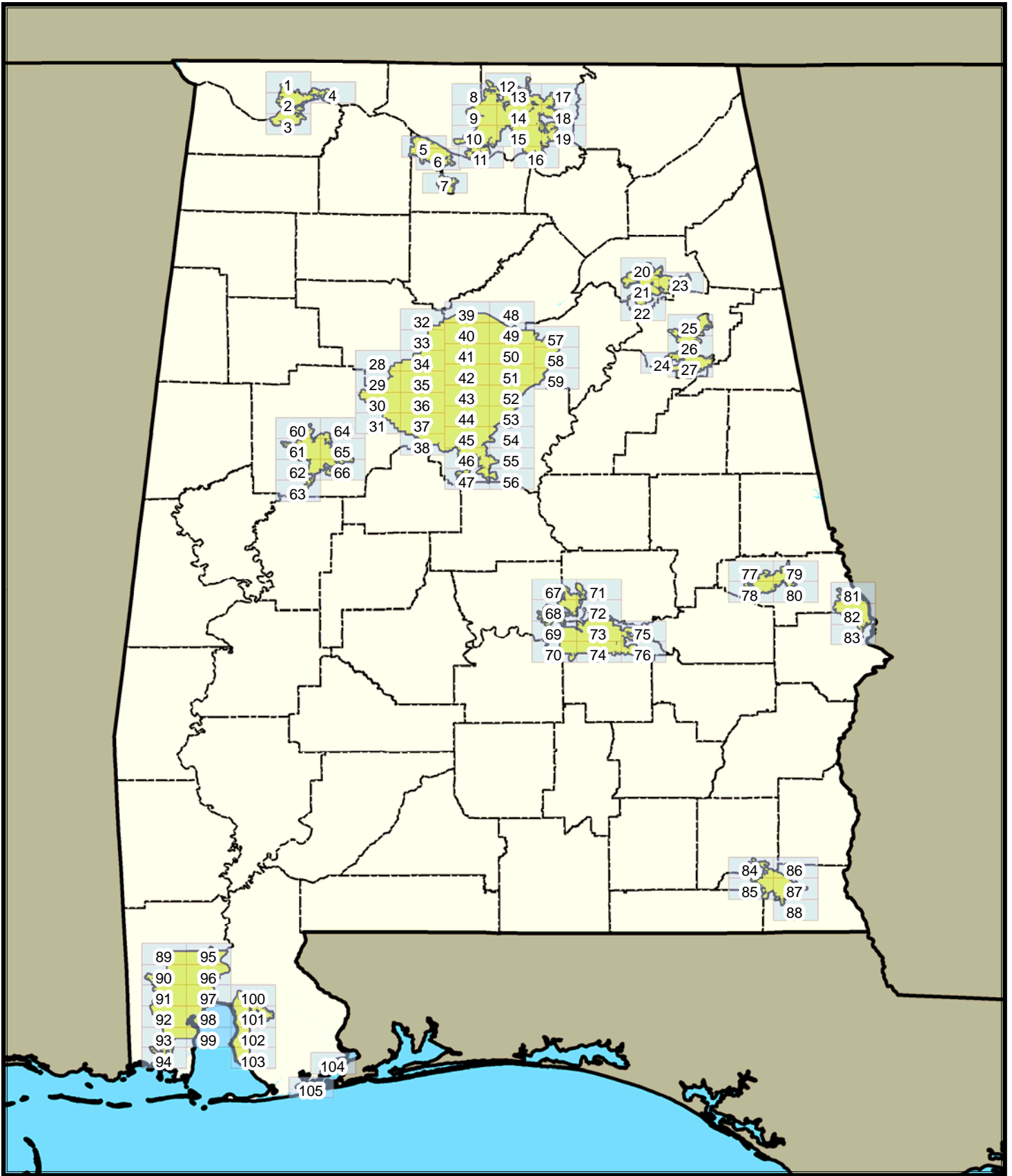
ALDOT Major Outfall Inventory & Screening Summary

Last Updated: January 30, 2017

MS4 Area	Locations Studied for Major Outfall Candidates	Major Outfalls Added to Inventory	Major Outfalls Screened	Possible Illicit Discharges at Major Outfalls	Other Possible Illicit Discharges	Possible Illicit Discharge Follow-Up Outcomes
Dothan*	52	17	17	0	3	Follow-up investigations performed. 3 illicit discharges traced to municipal MS4 and reported to appropriate MS4 authority.
Auburn/Opelika	44	6	6	0	4	Follow-up investigations performed. 1 investigation was inconclusive. 1 investigation determined naturally-occurring flow. No flow observed in 2 other investigations.
Phenix City	24	5	5	0	2	Follow-up investigations performed. 1 illicit discharge traced to municipal MS4 and reported to appropriate MS4 authority. No flow observed in the other investigation.
Montgomery	125	28	28	1	6	Follow-up investigations performed. Unable to determine source for 1 illicit discharge (at major outfall) in which algae detected; investigation continuing. 1 illicit discharge traced to municipal MS4 and reported to appropriate MS4 authority. 1 investigation determined naturally-occurring flow. No flow observed in 4 other investigations.
Tuscaloosa	98	34	34	3	5	Follow-up investigations performed. 7 illicit discharges (including 2 at major outfalls) traced to municipal MS4 and reported to appropriate MS4 authority. 1 investigation (associated with a major outfall) determined naturally-occurring flow.
Decatur	40	16	16	3	0	Follow-up investigations performed. 3 investigations determined naturally-occurring flow.
Mobile	134	42	42	24	2	Follow-up investigations performed. No flow or naturally-occurring flow observed in 25 investigations (including 24 associated with major outfalls). Potential wash water observed in-stream in 1 investigation; further investigation needed.
Baldwin County	83	16	16	4	10	Follow-up investigations performed. 14 investigations determined naturally-occurring flow.
Florence**	71	14	14	1	0	Follow-up investigation performed determining naturally-occurring flow.
Huntsville**	99	57	57	4	0	Follow-up investigations performed. 4 investigations determined naturally-occurring flow.
TOTAL	770	235	235	40	32	
Percent of Major Outfalls on Inventory Screened			100%			

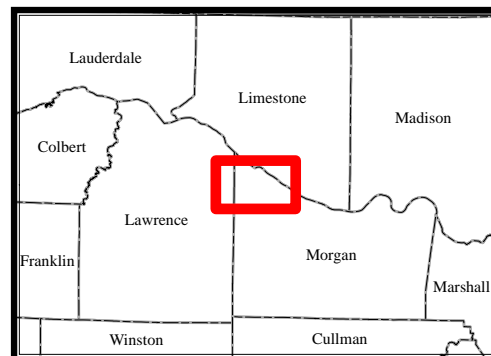
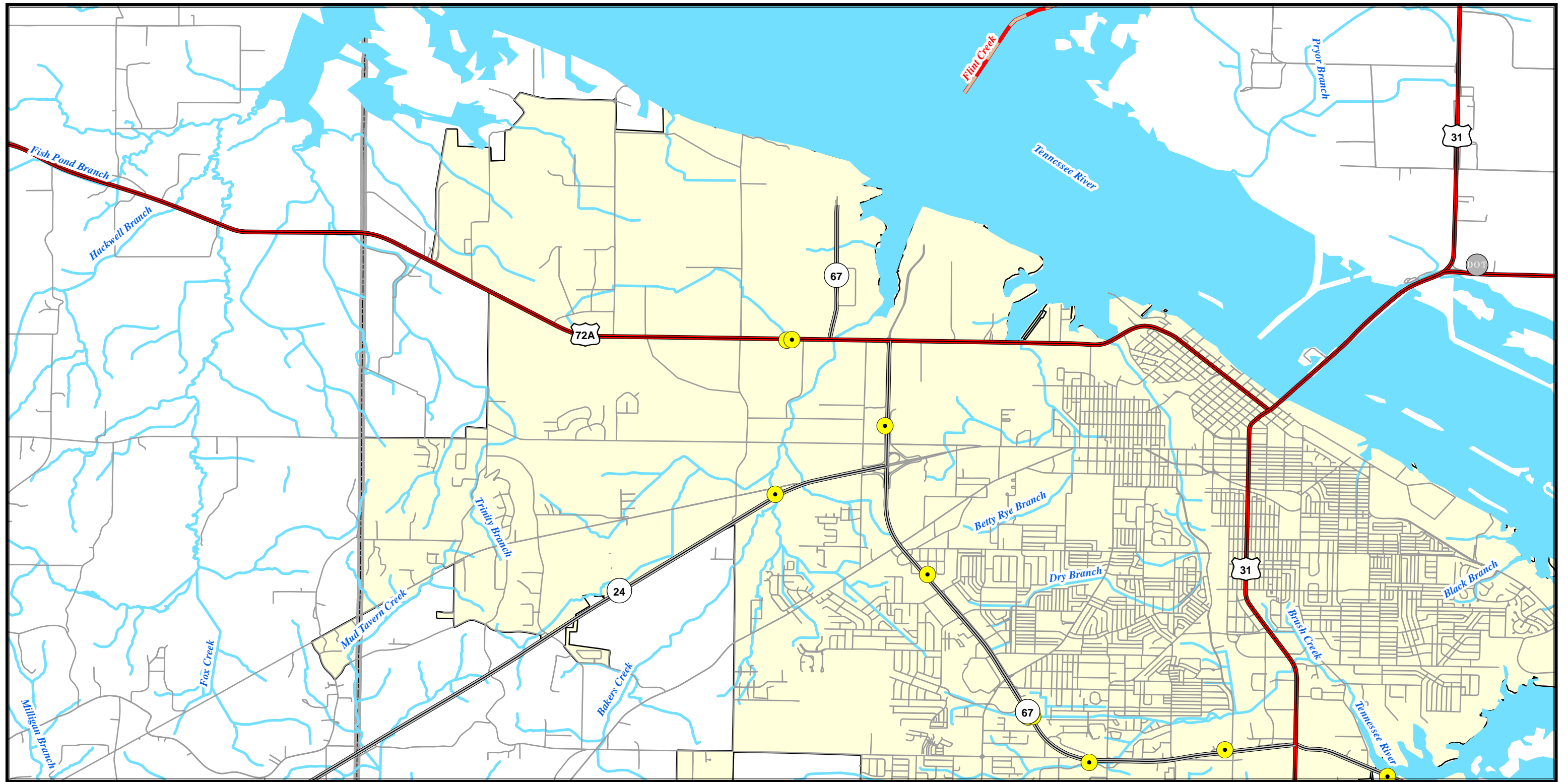
* Screening results for the Dothan MS4 area also reported in the FY 2014 annual report appendix in "ALDOT Environmental Concerns Log: Fiscal Year 2014."

** Outfall inventory and screening performed during FY 2017.










IDDE Outfall Map Index


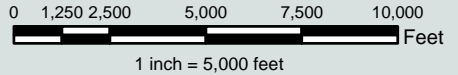
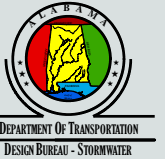




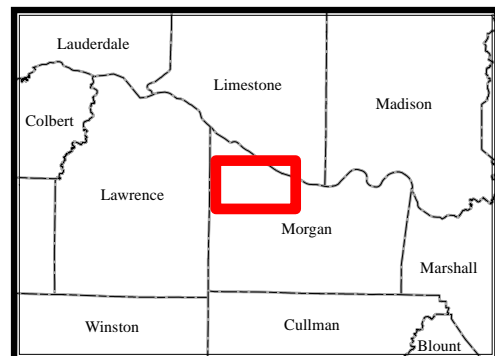
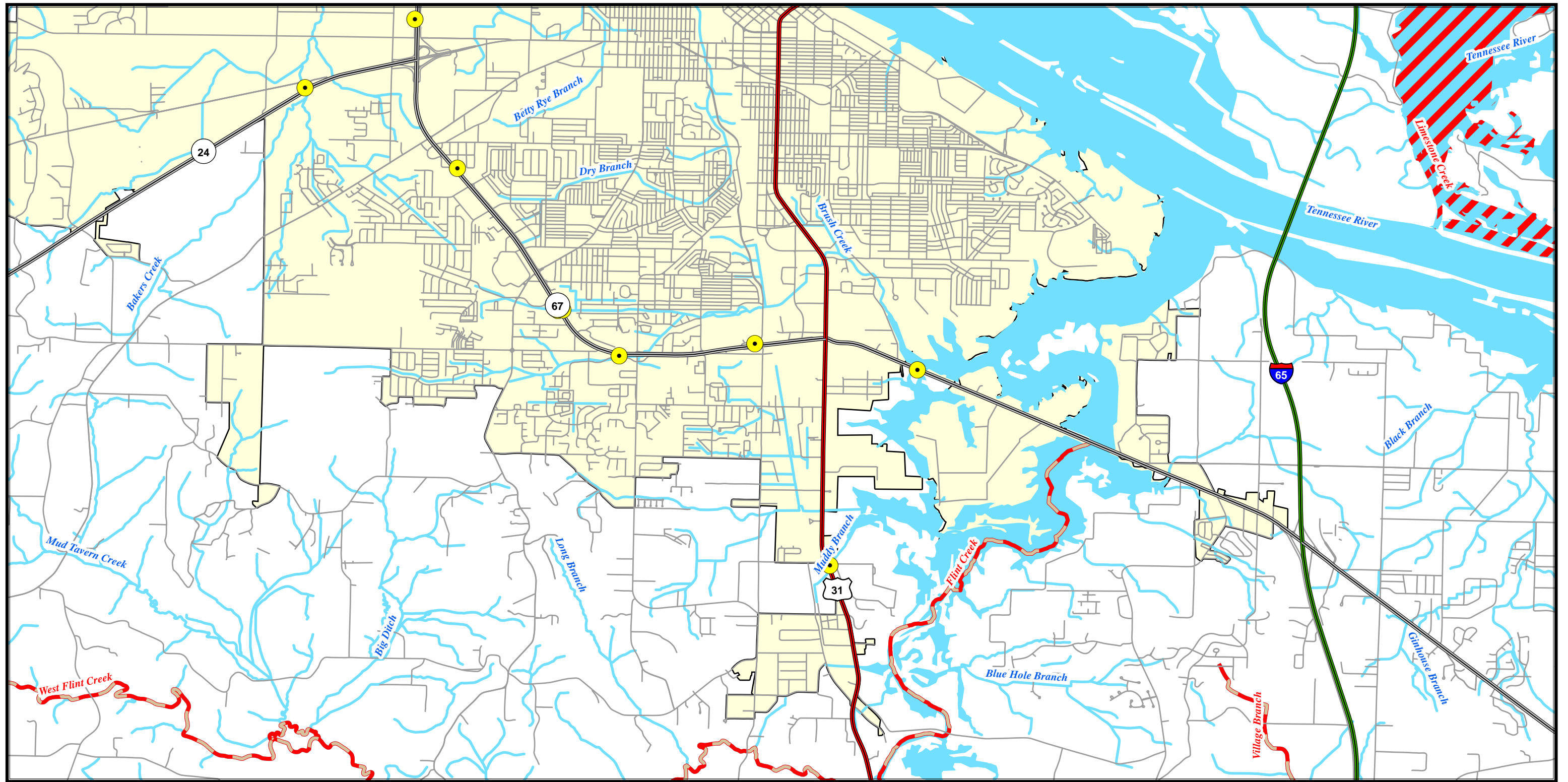
ALDOT MS4 Areas Decatur Map: 1

 MS4 Area	 Location Needing Study	 303(d) / TMDL Listed Waters
 ALDOT Support Facility	 Major Outfall on Inventory	 Sediment POC
		 Other POCs




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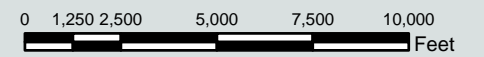
DEPARTMENT OF TRANSPORTATION
DESIGN BUREAU - STORMWATER



ALDOT MS4 Areas Decatur Map: 2

-  MS4 Area
-  Location Needing Study
-  Major Outfall on Inventory
-  ALDOT Support Facility

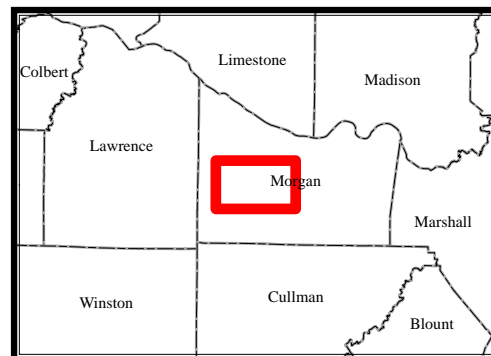
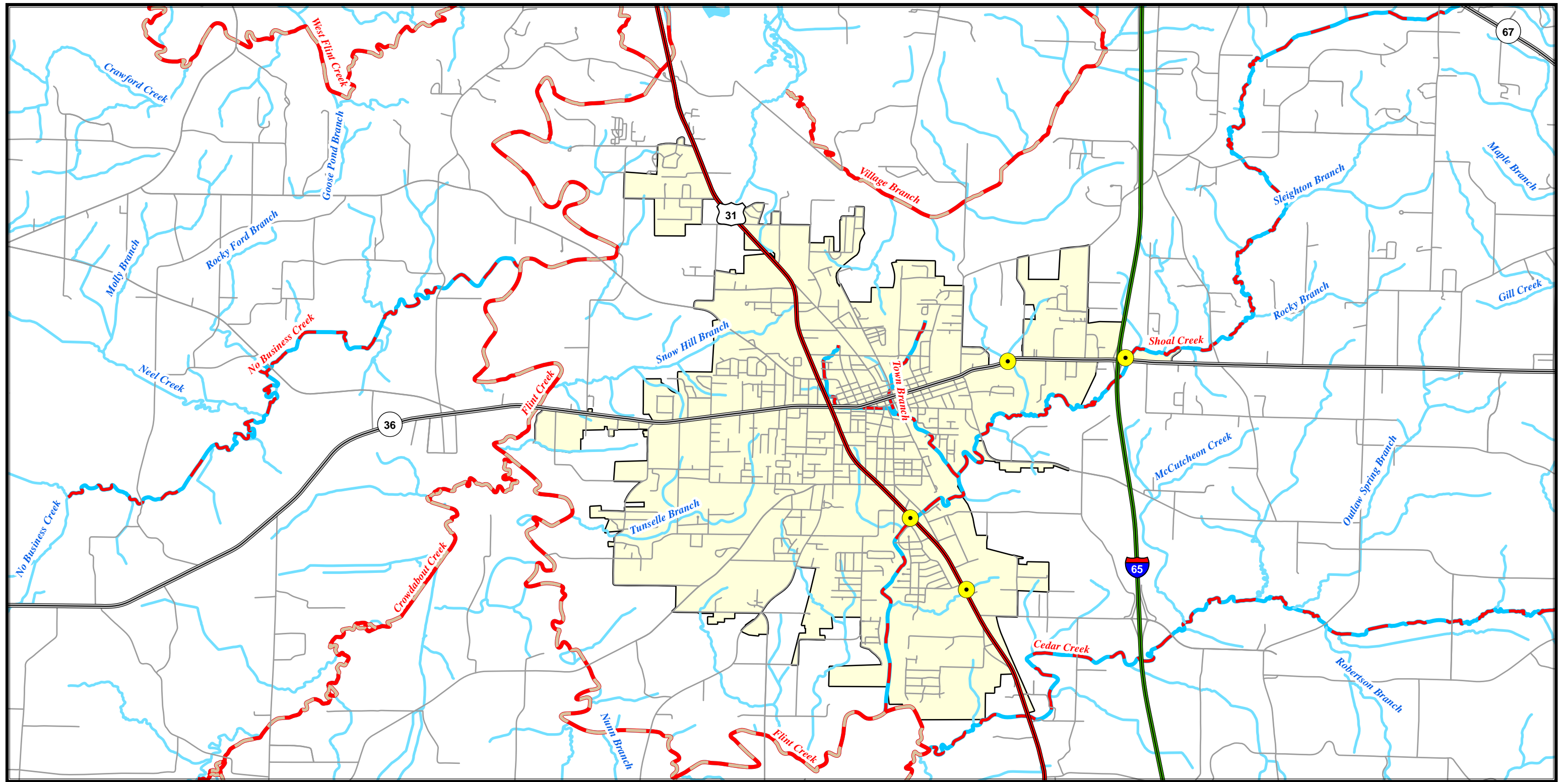
-  303(d) / TMDL Listed Waters
-  Sediment POC
-  Other POCs










1 inch = 5,000 feet

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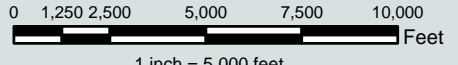
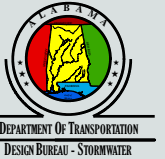


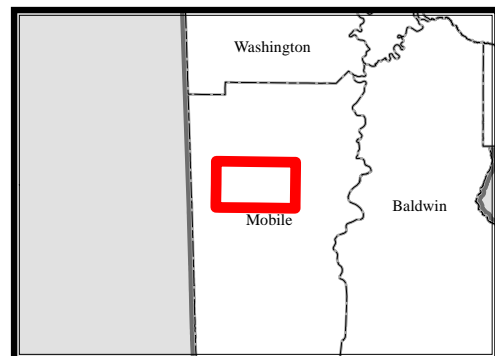
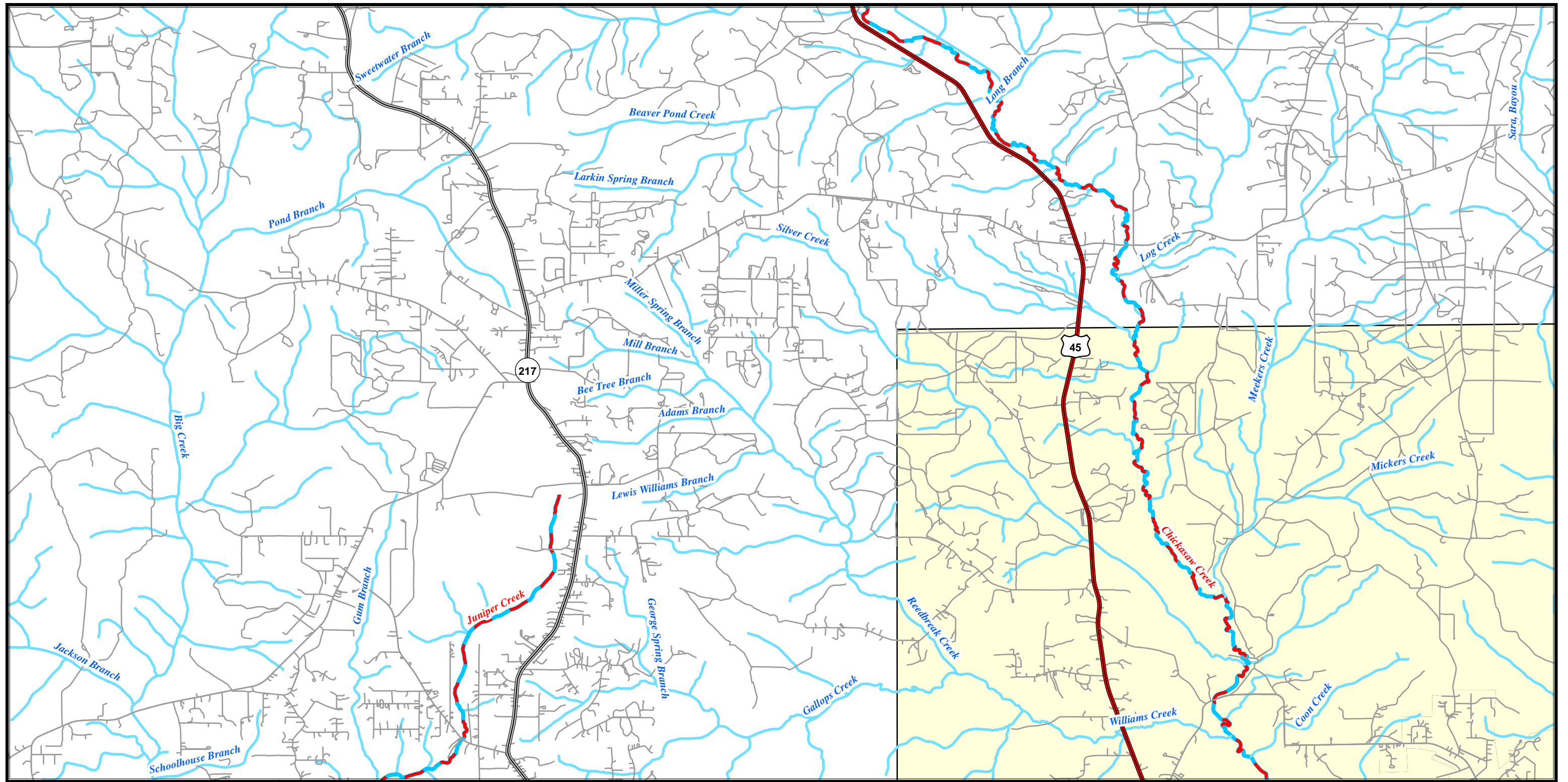


ALDOT MS4 Areas Decatur Map: 3



 MS4 Area	 Location Needing Study	 303(d) / TMDL Listed Waters
 ALDOT Support Facility	 Major Outfall on Inventory	 Sediment POC
		 Other POCs



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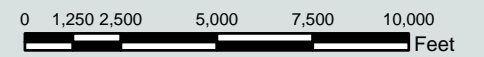


ALDOT MS4 Areas Mobile Map: 1

-  MS4 Area
-  ALDOT Support Facility

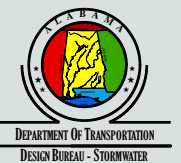
-  Location Needing Study
-  Major Outfall on Inventory

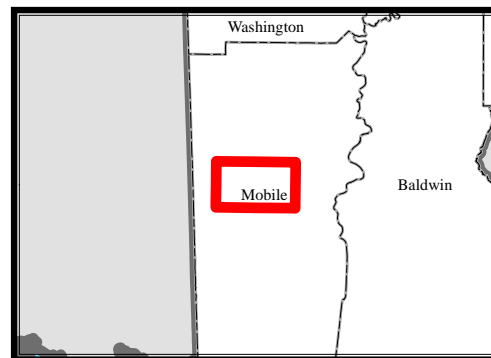
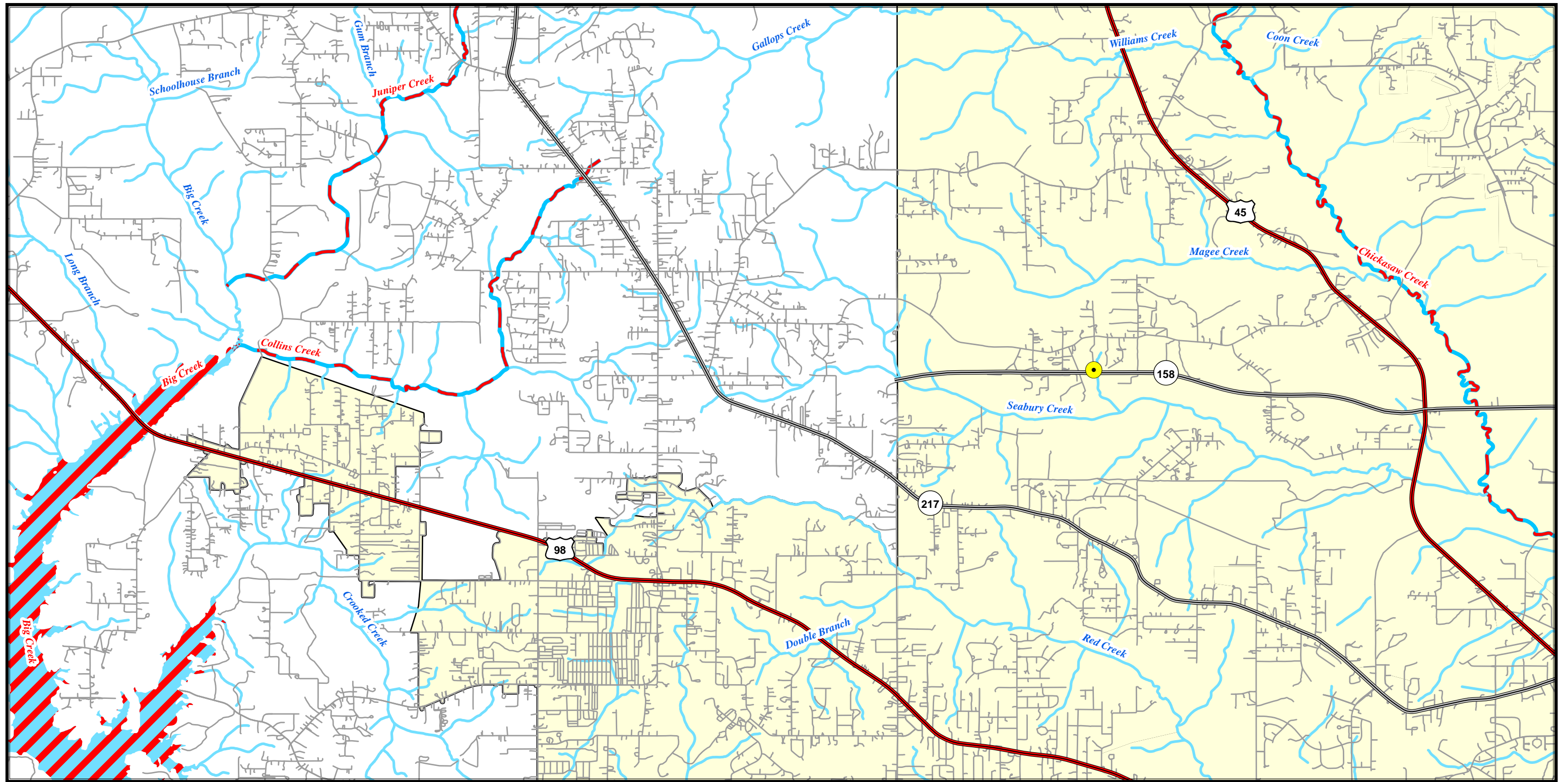
- 303(d) / TMDL Listed Waters
-  Sediment POC
 -  Other POCs



1 inch = 5,000 feet

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ALDOT MS4 Areas Mobile Map: 2

 MS4 Area

 ALDOT Support Facility

 Location Needing Study

 Major Outfall on Inventory

303(d) / TMDL Listed Waters

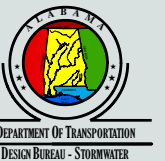
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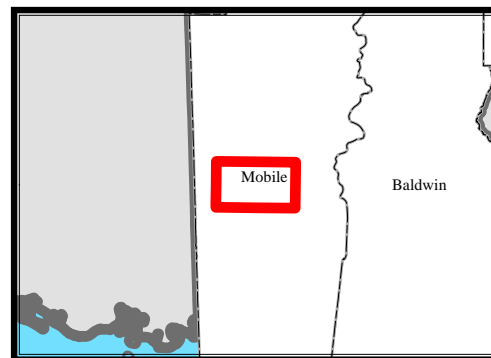
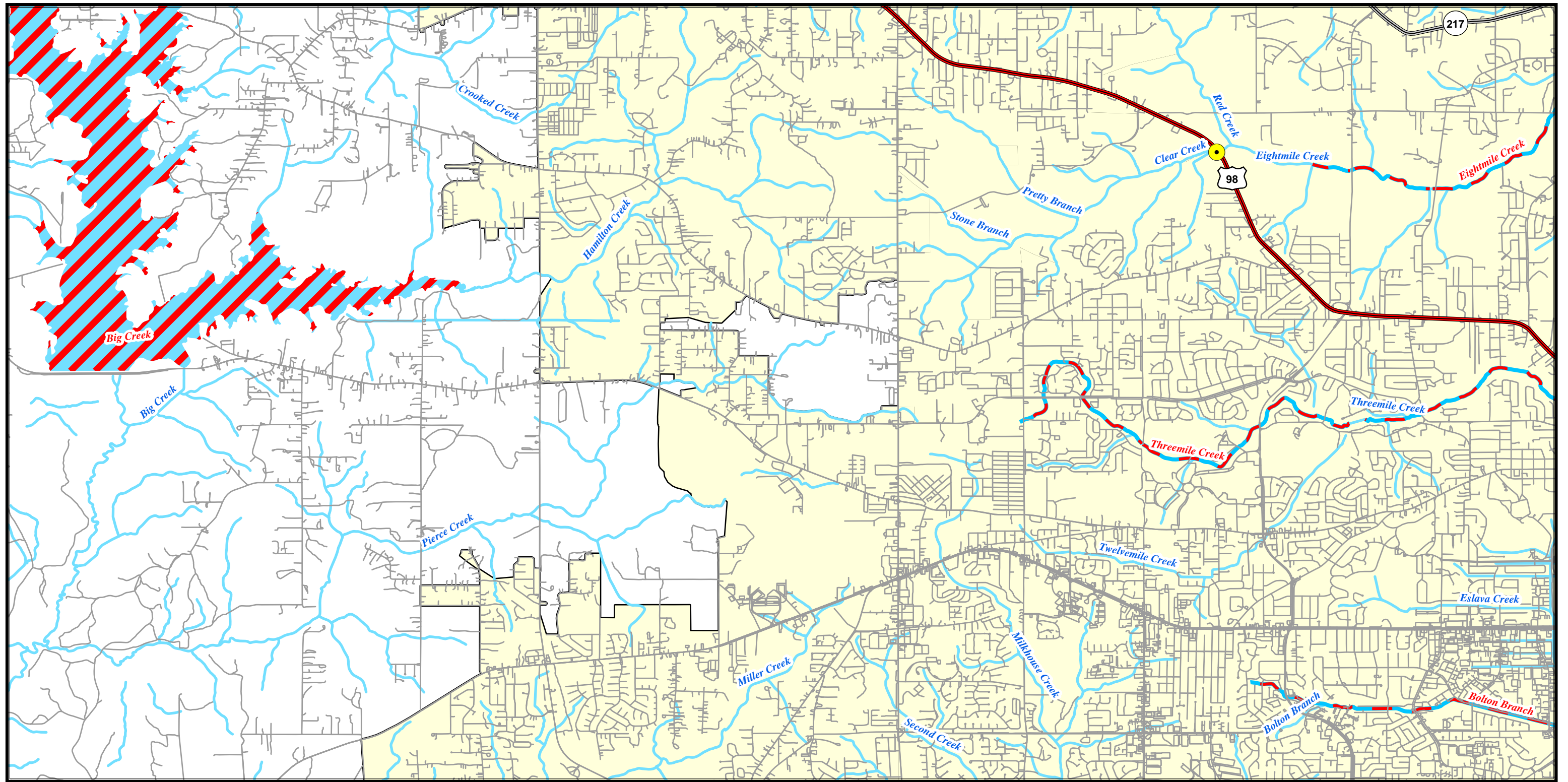
 Other POCs



1 inch = 5,000 feet


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ALDOT MS4 Areas Mobile Map: 3

 MS4 Area

 ALDOT Support Facility

 Location Needing Study

 Major Outfall on Inventory

303(d) / TMDL Listed Waters

 Sediment POC

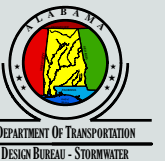
 Other POCs

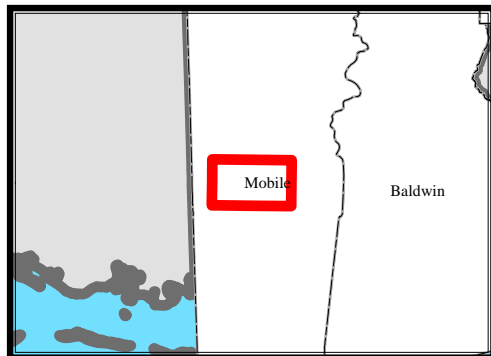
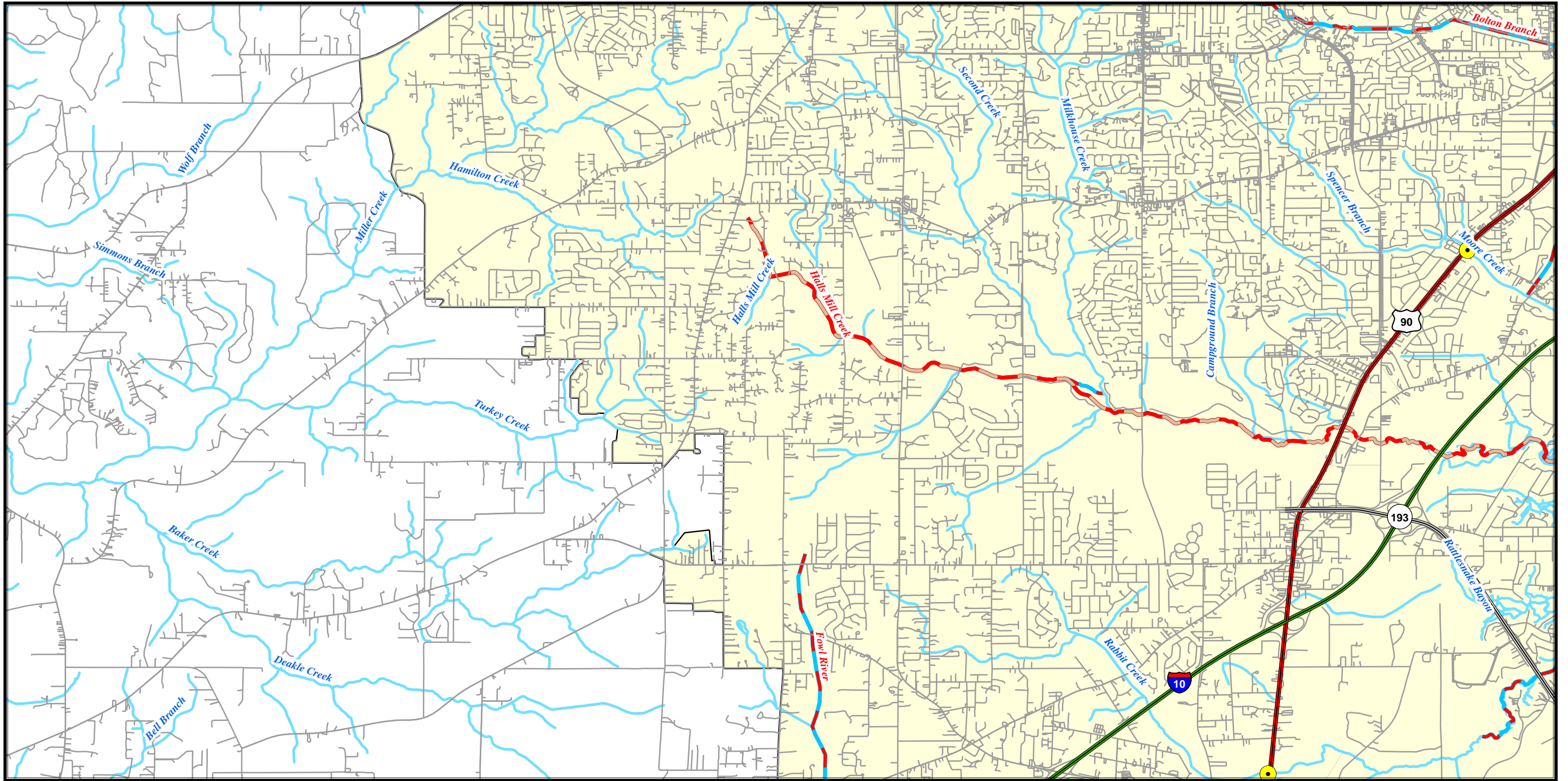


0 1,250 2,500 5,000 7,500 10,000
Feet



1 inch = 5,000 feet



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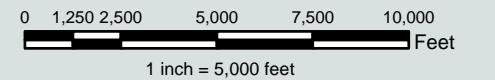


ALDOT MS4 Areas Mobile Map: 4

-  MS4 Area
-  ALDOT Support Facility

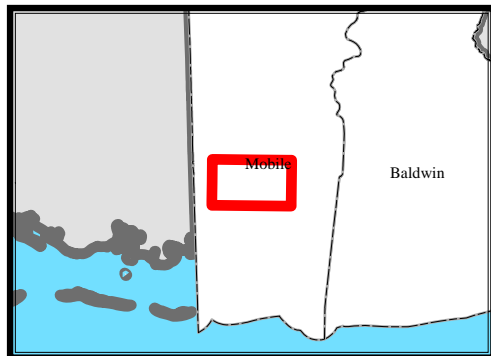
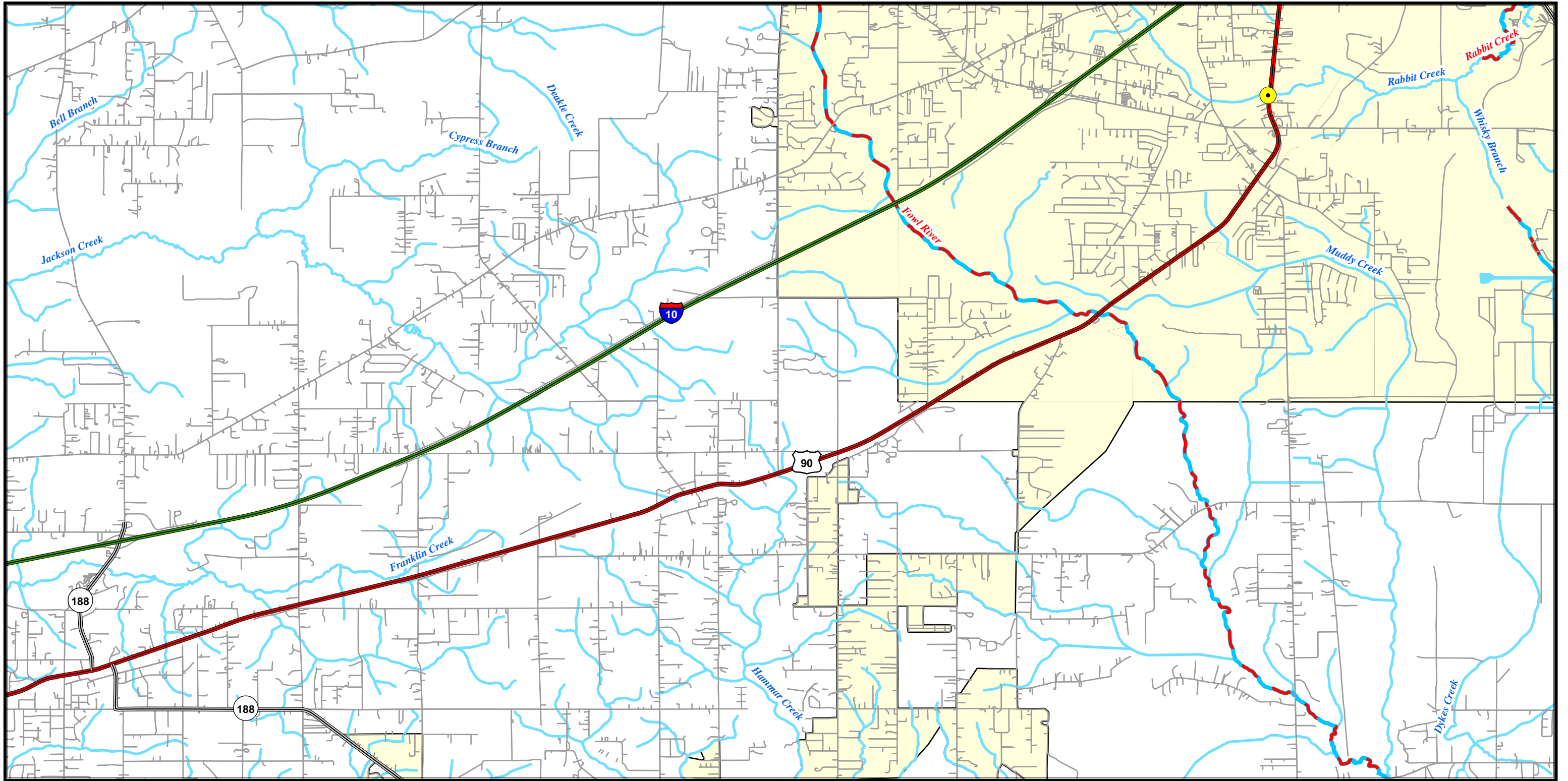
-  Location Needing Study
-  Major Outfall on Inventory

- 303(d) / TMDL Listed Waters
-  Sediment POC
 -  Other POCs







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ALDOT MS4 Areas Mobile Map: 5

-  MS4 Area
-  ALDOT Support Facility

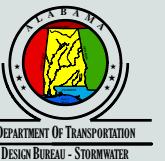
-  Location Needing Study
-  Major Outfall on Inventory

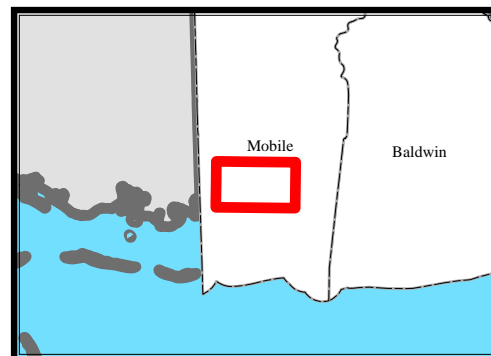
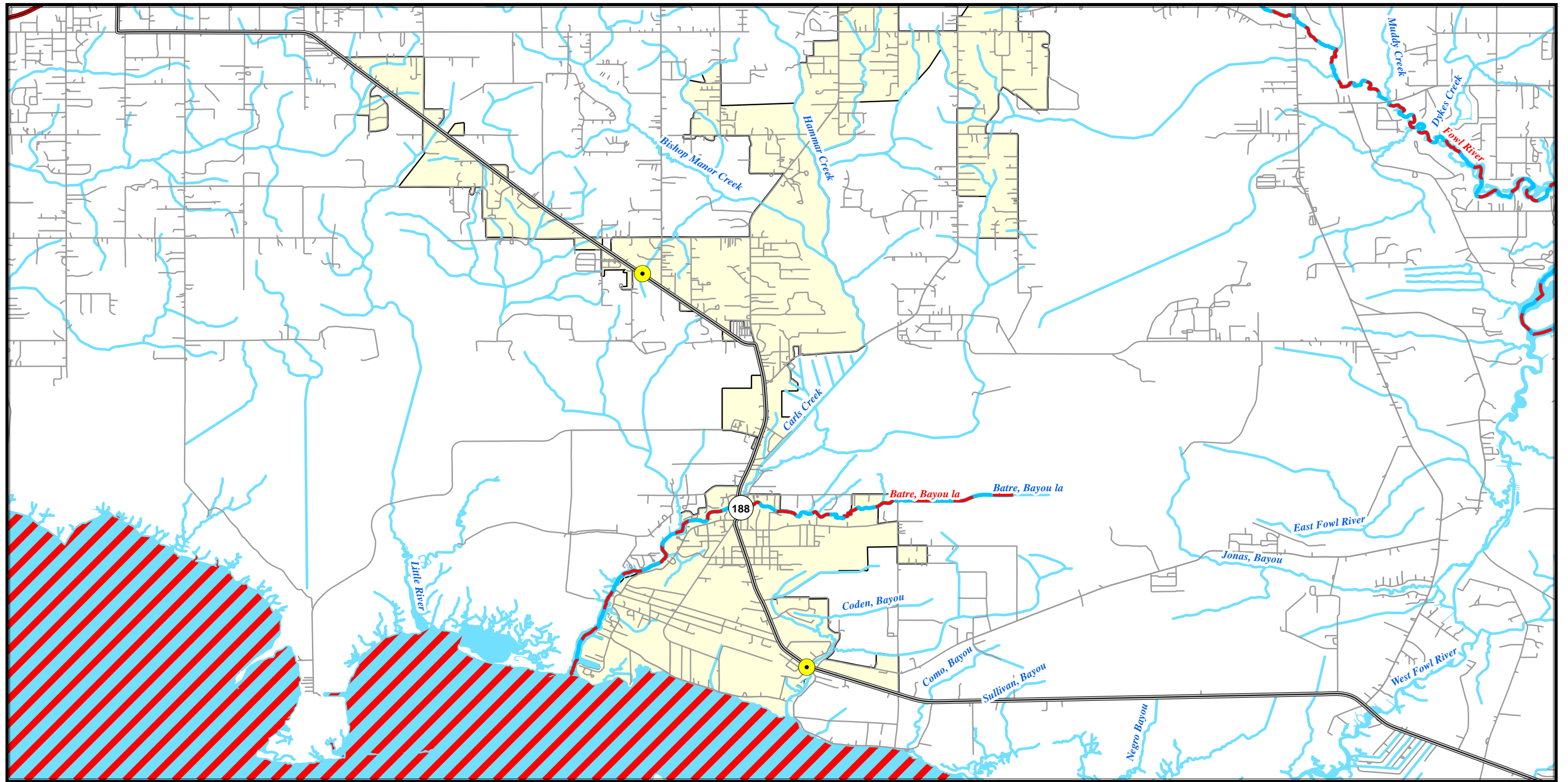
- 303(d) / TMDL Listed Waters
-  Sediment POC
 -  Other POCs



1 inch = 5,000 feet


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ALDOT MS4 Areas Mobile Map: 6

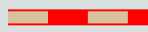
 MS4 Area

 Location Needing Study

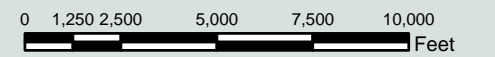
303(d) / TMDL Listed Waters

 ALDOT Support Facility

 Major Outfall on Inventory

 Sediment POC

 Other POCs

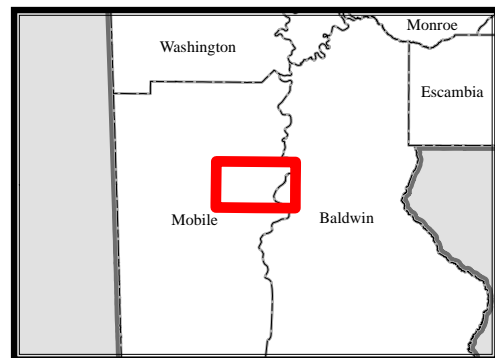
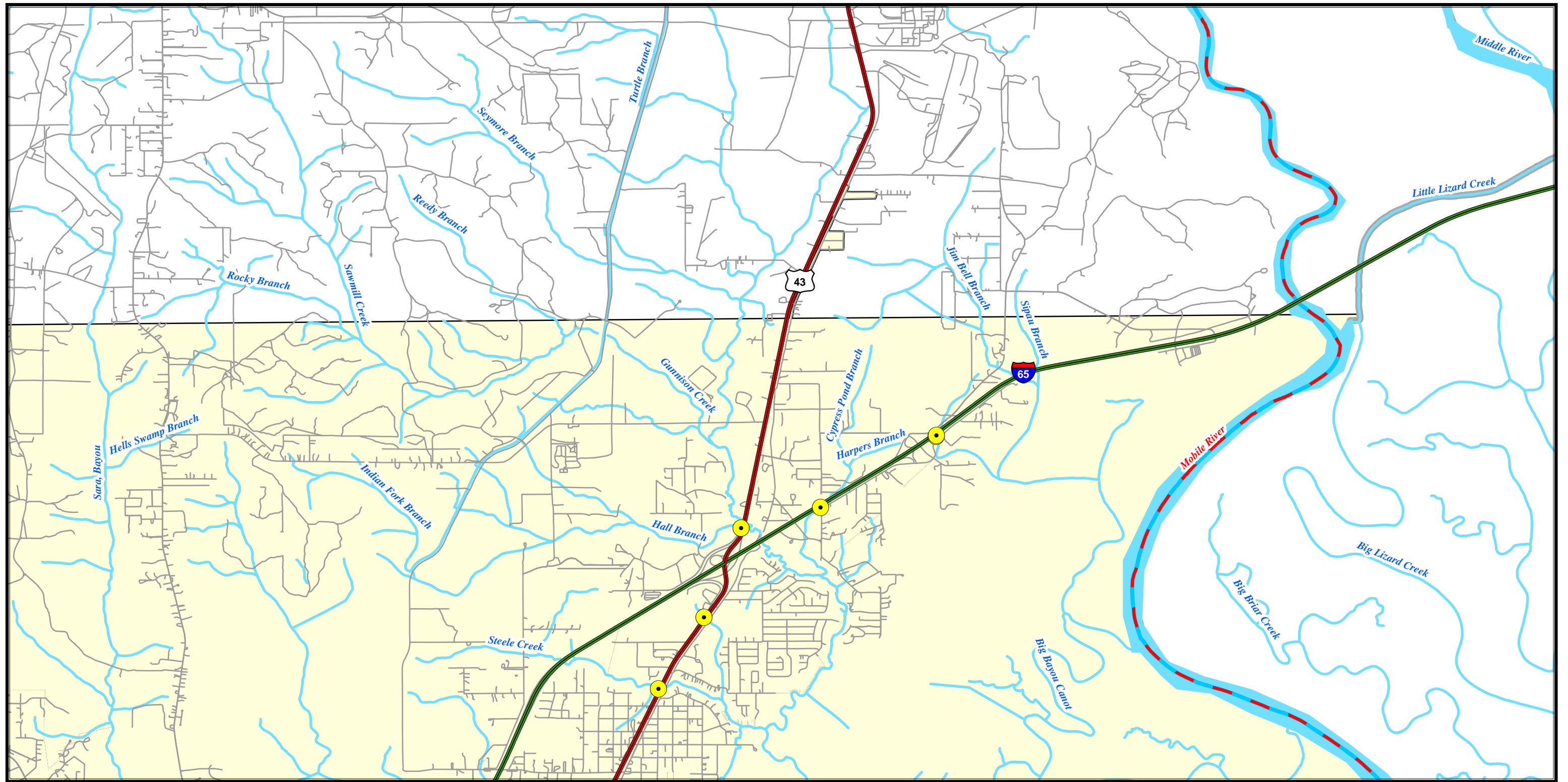


1 inch = 5,000 feet

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ALDOT MS4 Areas Mobile Map: 7

 MS4 Area

 ALDOT Support Facility

 Location Needing Study

 Major Outfall on Inventory

303(d) / TMDL Listed Waters

 Sediment POC

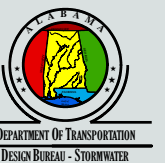
 Other POCs



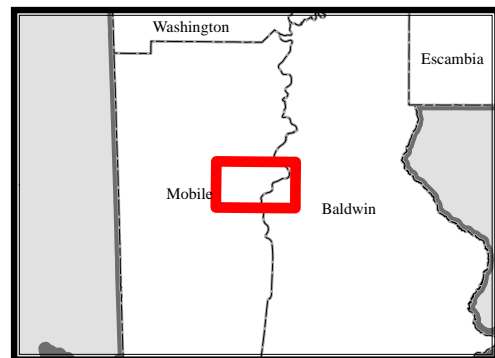
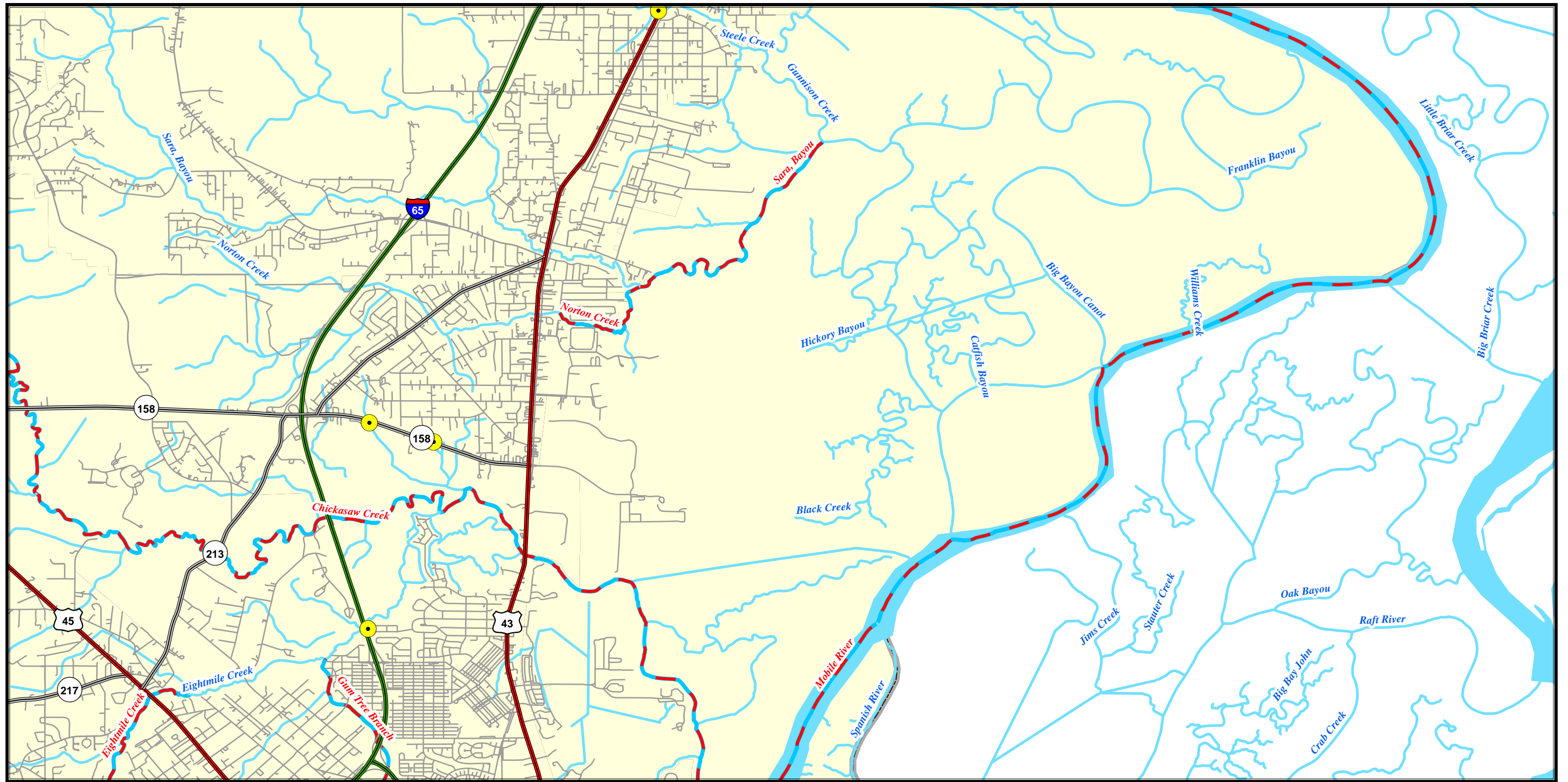
0 1,250 2,500 5,000 7,500 10,000 Feet

1 inch = 5,000 feet





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DESIGN BUREAU - STORMWATER



ALDOT MS4 Areas Mobile Map: 8

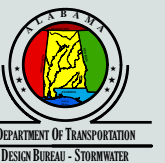
-  MS4 Area
-  Location Needing Study
-  ALDOT Support Facility
-  Major Outfall on Inventory

- 303(d) / TMDL Listed Waters
-  Sediment POC
-  Other POCs

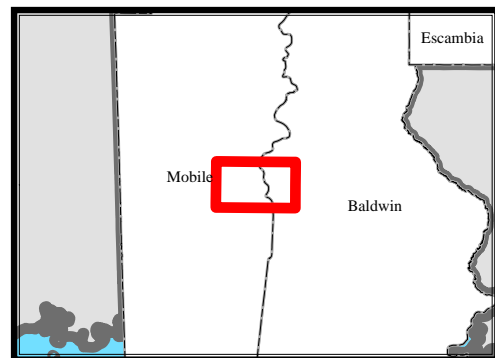
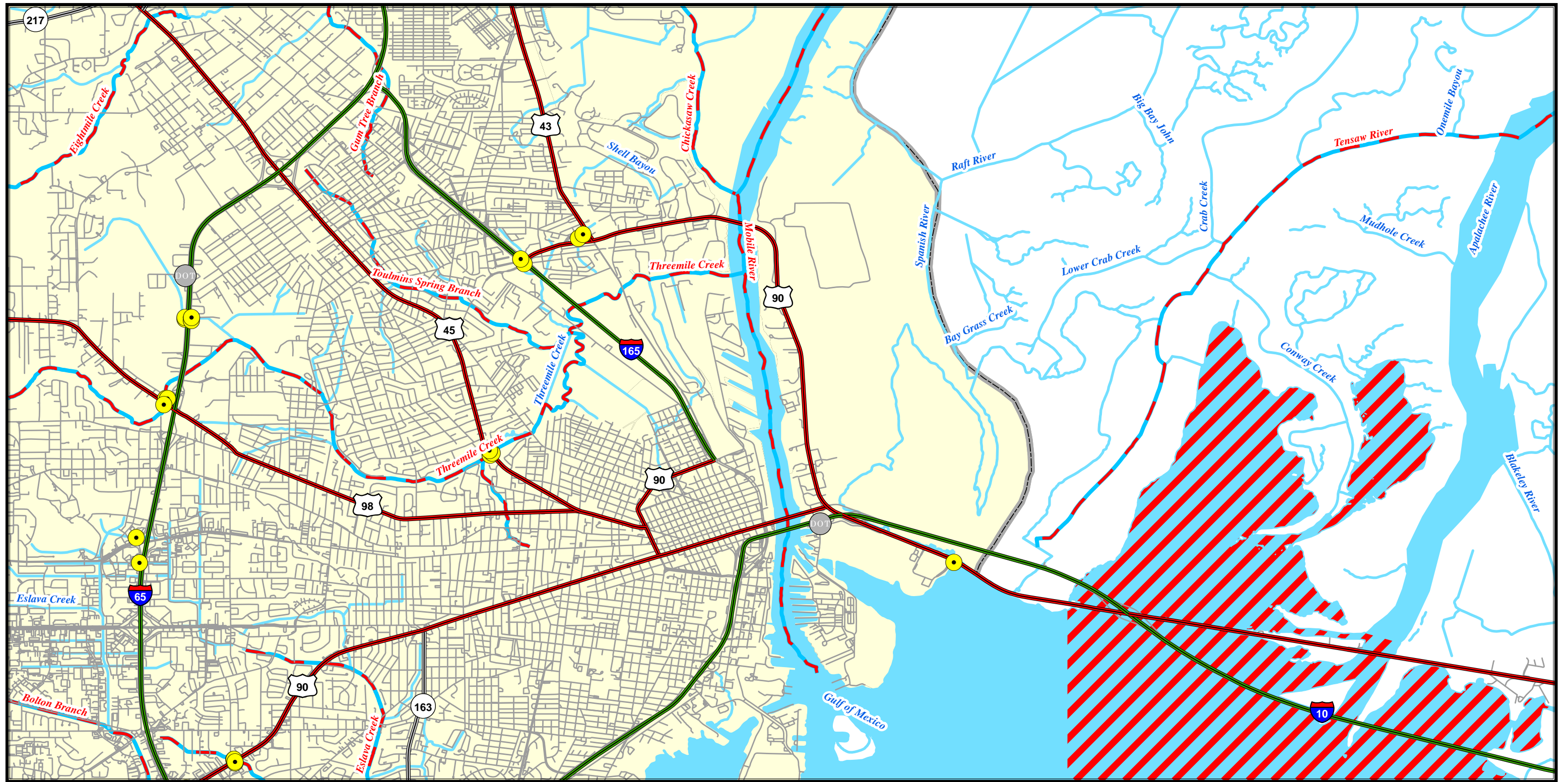


1 inch = 5,000 feet

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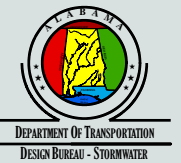
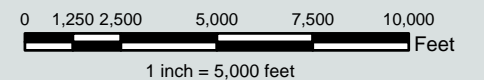
DEPARTMENT OF TRANSPORTATION
DESIGN BUREAU - STORMWATER



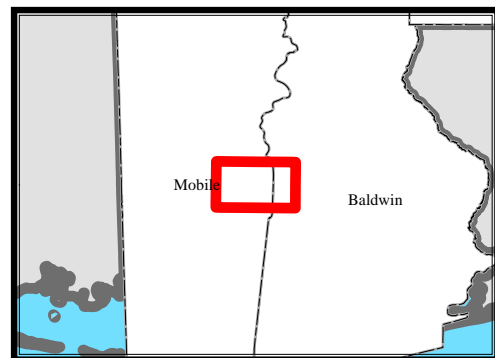
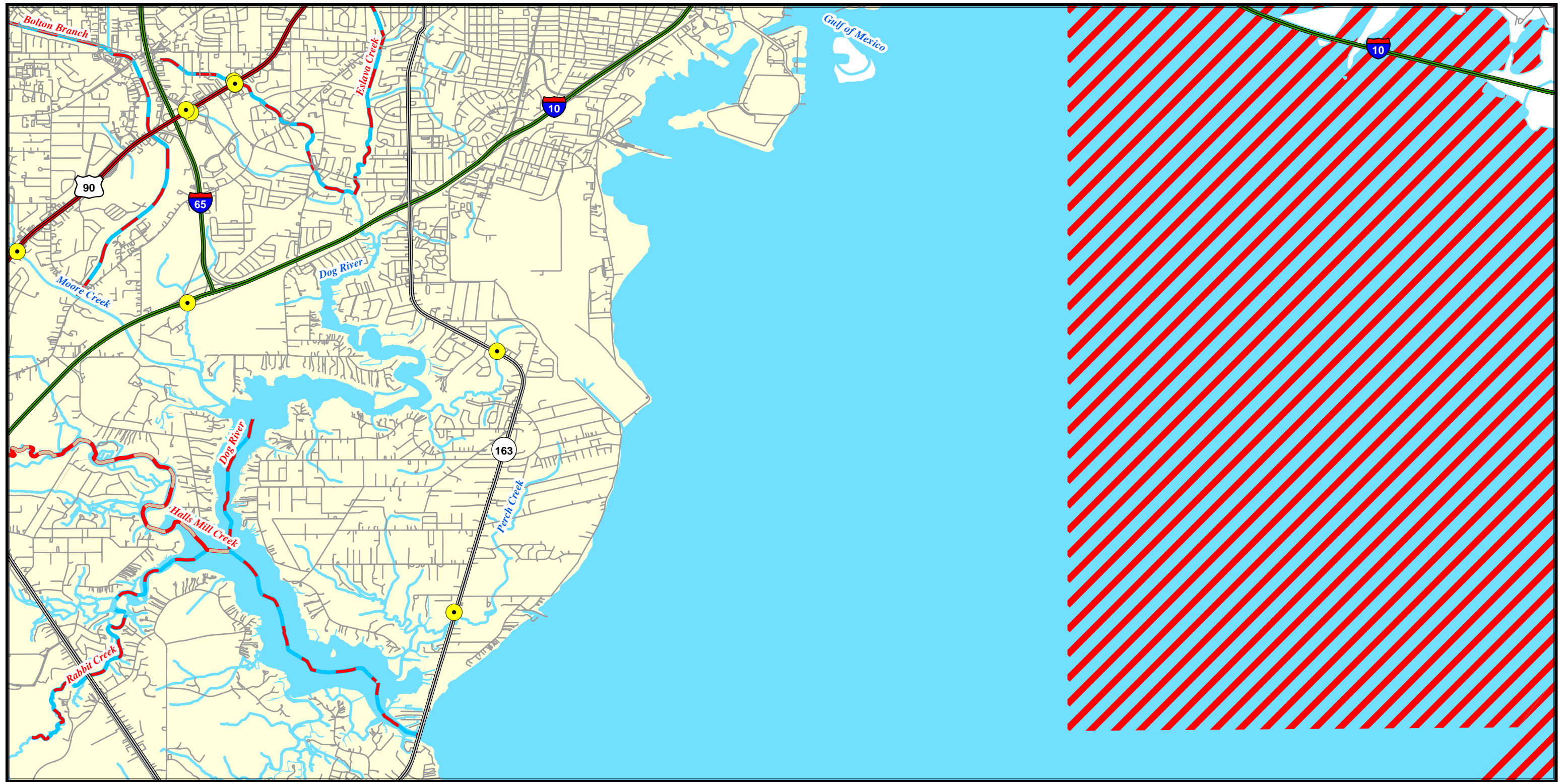
ALDOT MS4 Areas Mobile Map: 9

-  MS4 Area
-  Location Needing Study
-  ALDOT Support Facility
-  Major Outfall on Inventory





- 303(d) / TMDL Listed Waters
-  Sediment POC
-  Other POCs



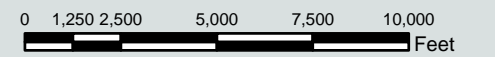
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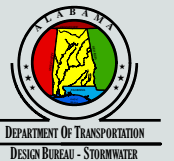
-  MS4 Area
-  Location Needing Study
-  ALDOT Support Facility
-  Major Outfall on Inventory

- 303(d) / TMDL Listed Waters
-  Sediment POC
 -  Other POCs

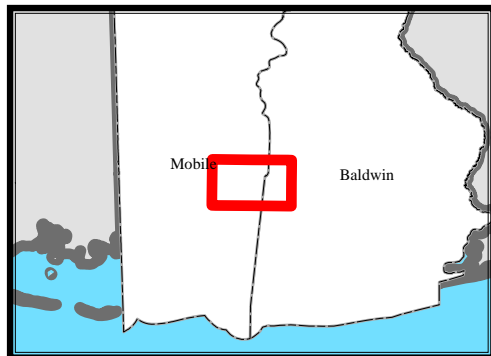
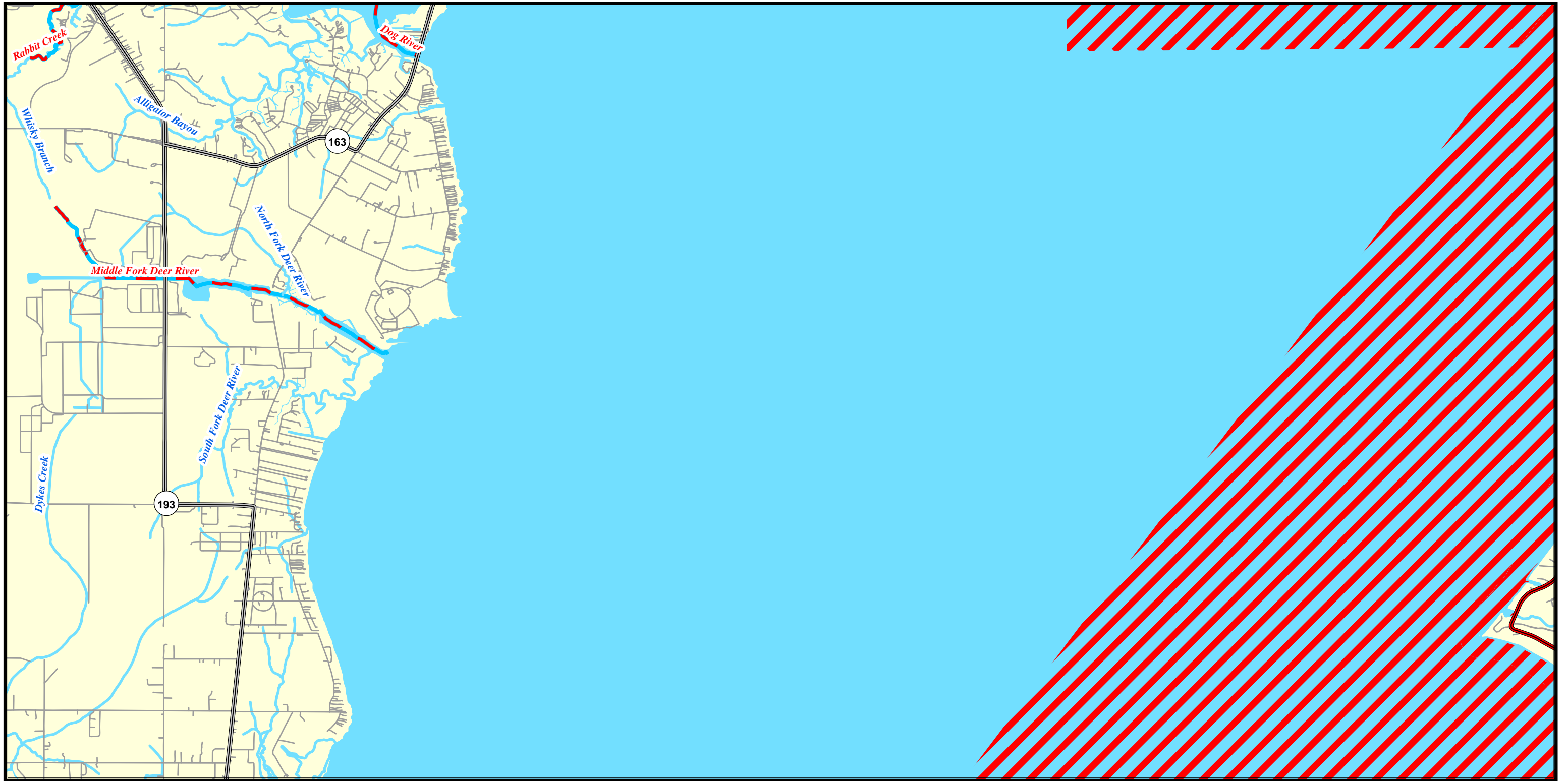


1 inch = 5,000 feet



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DEPARTMENT OF TRANSPORTATION
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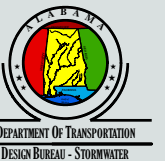
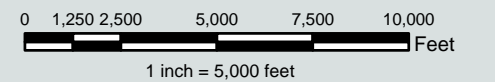


ALDOT MS4 Areas Mobile Map: 11

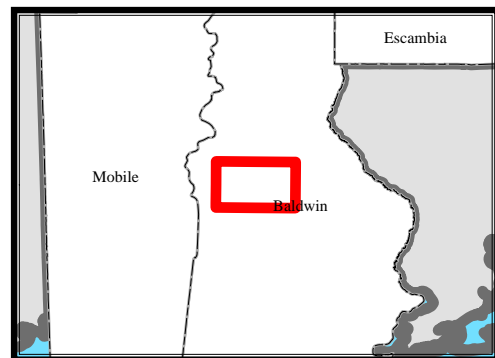
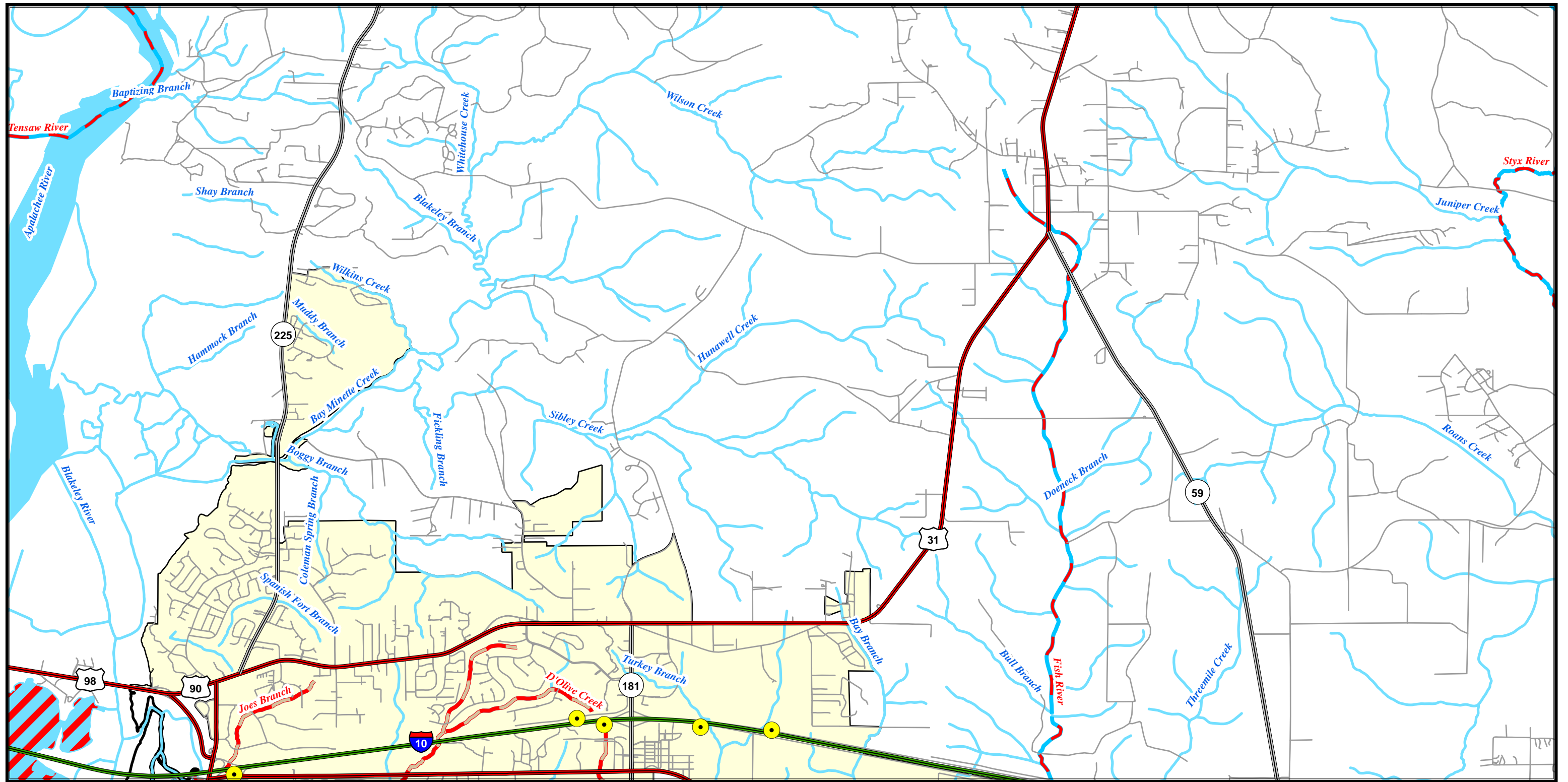
-  MS4 Area
-  ALDOT Support Facility

-  Location Needing Study
-  Major Outfall on Inventory

- 303(d) / TMDL Listed Waters
-  Sediment POC
 -  Other POCs





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ALDOT MS4 Areas Baldwin County Map: 1

 MS4 Area

 ALDOT Support Facility

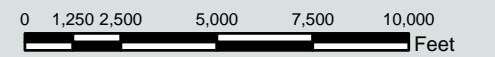
 Location Needing Study

 Major Outfall on Inventory

303(d) / TMDL Listed Waters

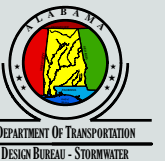
 Sediment POC

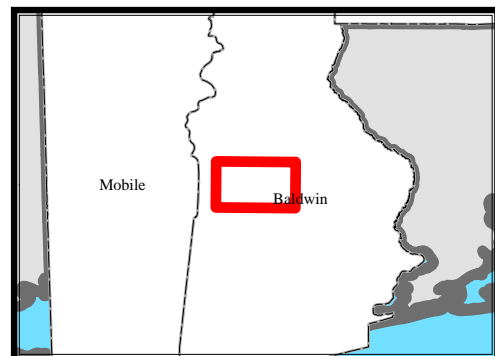
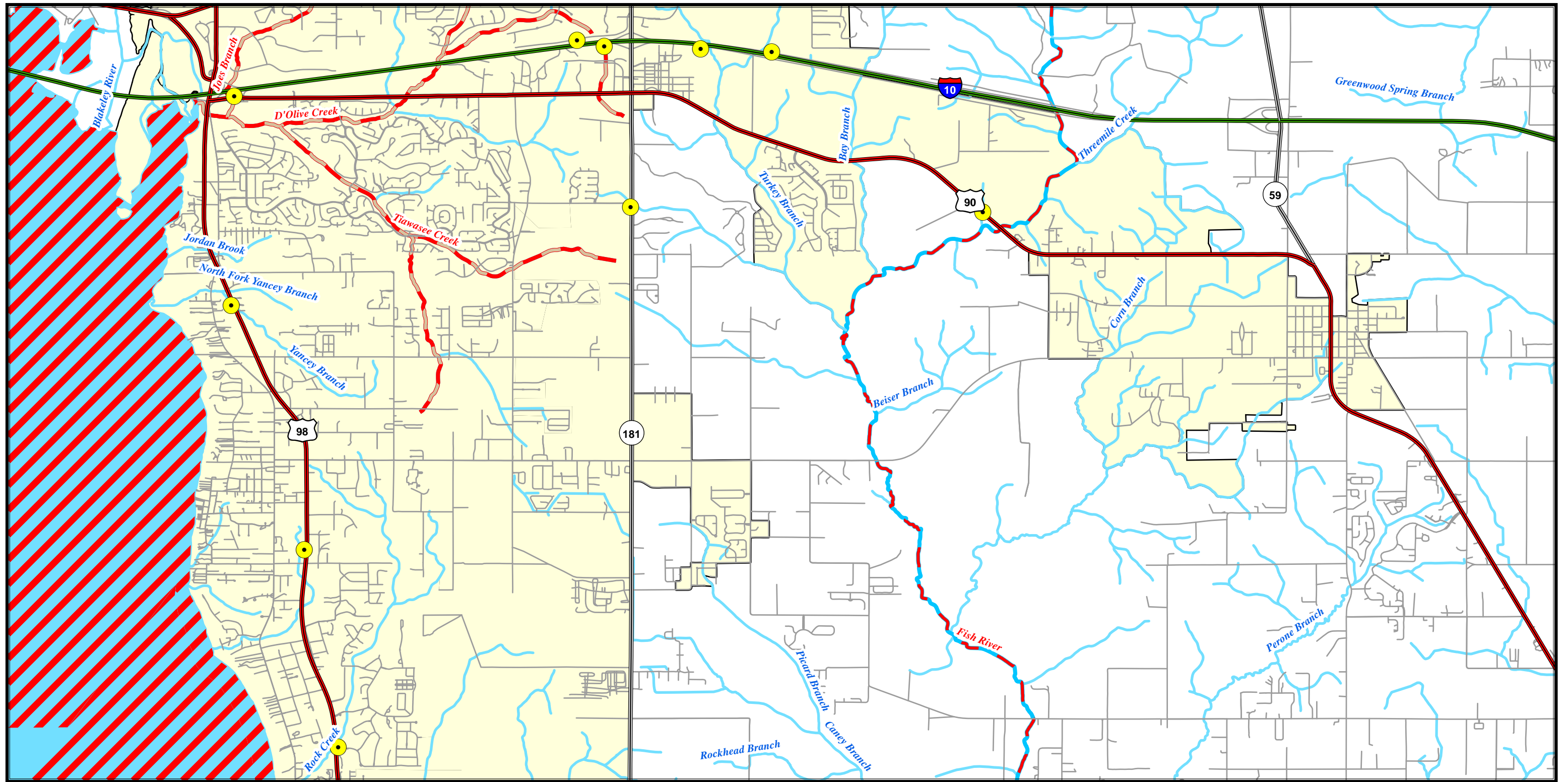
 Other POCs





1 inch = 5,000 feet



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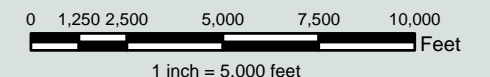


ALDOT MS4 Areas Baldwin County Map: 2

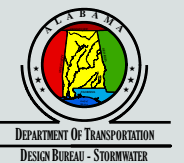
-  MS4 Area
-  ALDOT Support Facility

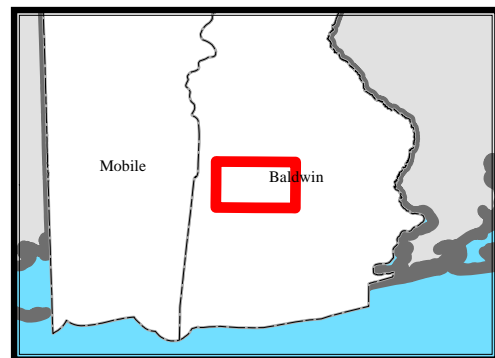
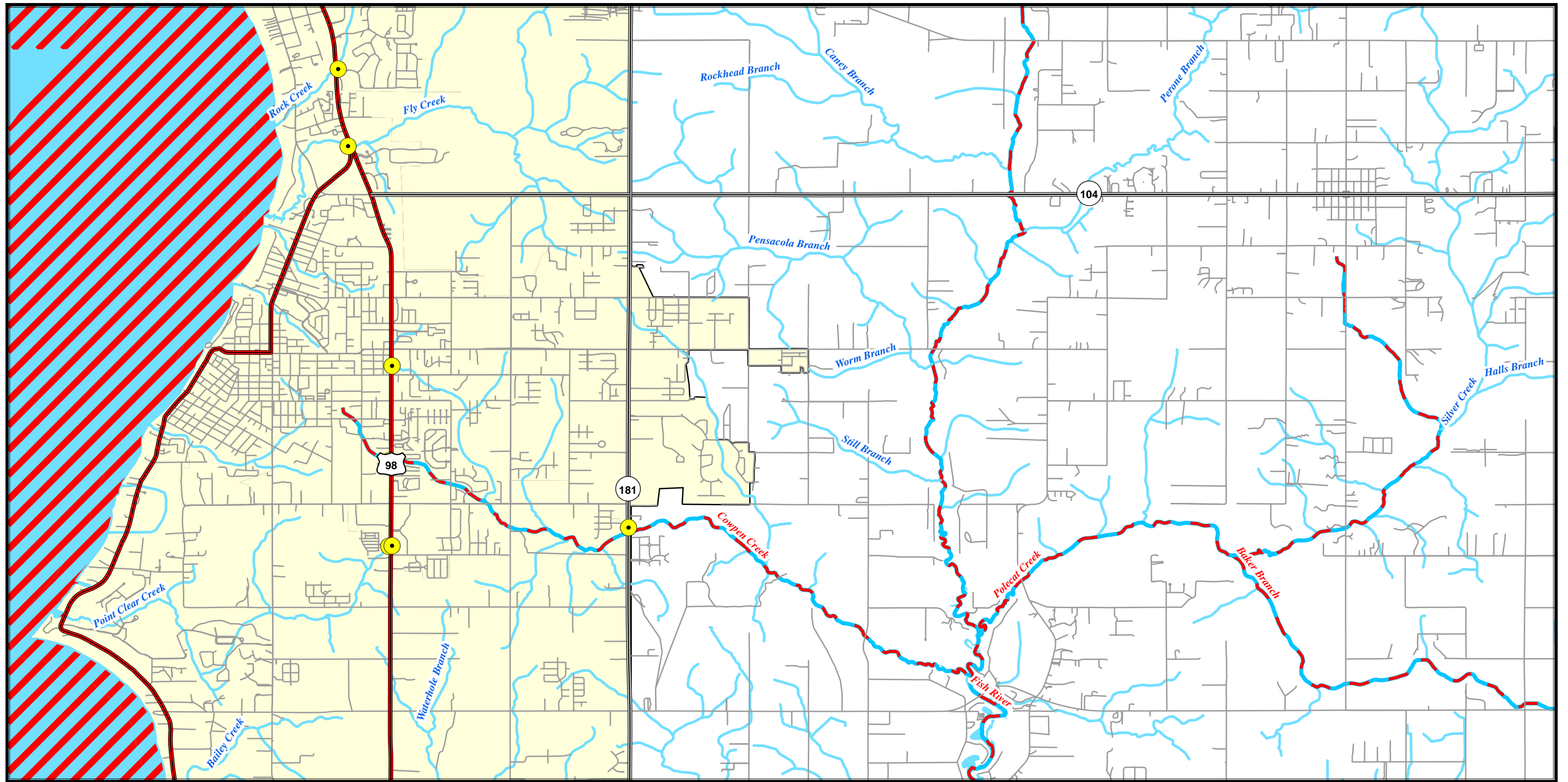
-  Location Needing Study
-  Major Outfall on Inventory

-  303(d) / TMDL Listed Waters
-  Sediment POC
-  Other POCs







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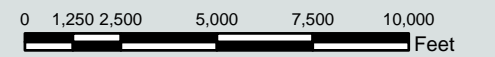


ALDOT MS4 Areas Baldwin County Map: 3

-  MS4 Area
-  ALDOT Support Facility

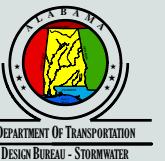
-  Location Needing Study
-  Major Outfall on Inventory

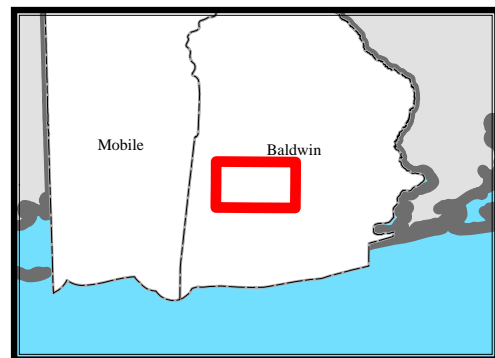
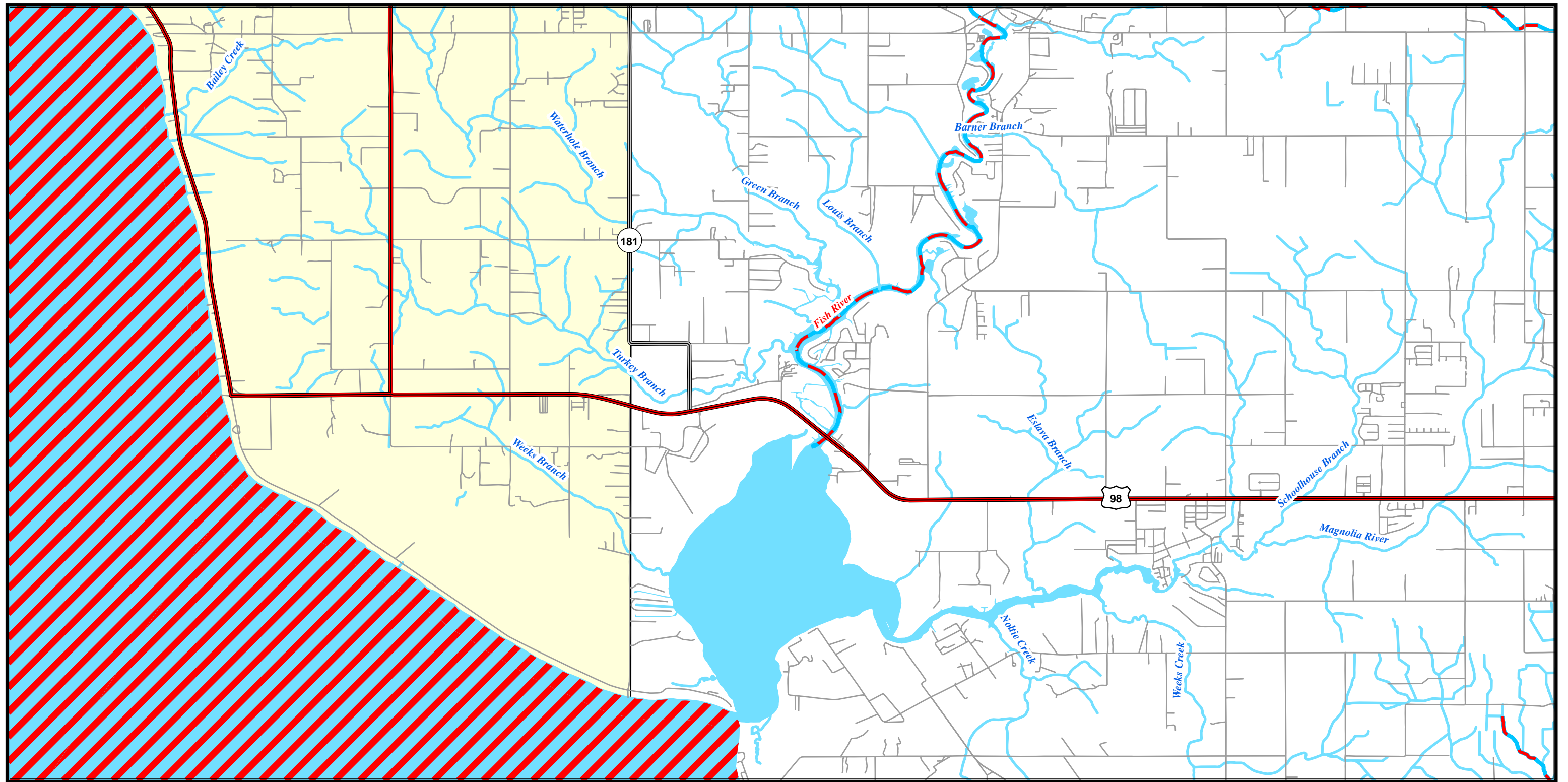
- 303(d) / TMDL Listed Waters
-  Sediment POC
-  Other POCs





1 inch = 5,000 feet



Index #: 102



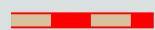
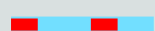


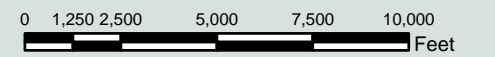
ALDOT MS4 Areas Baldwin County Map: 4

-  MS4 Area
-  ALDOT Support Facility

-  Location Needing Study
-  Major Outfall on Inventory

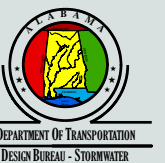
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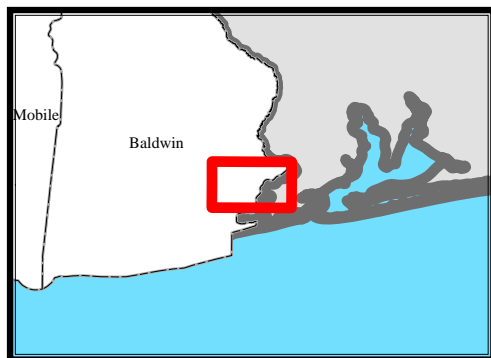
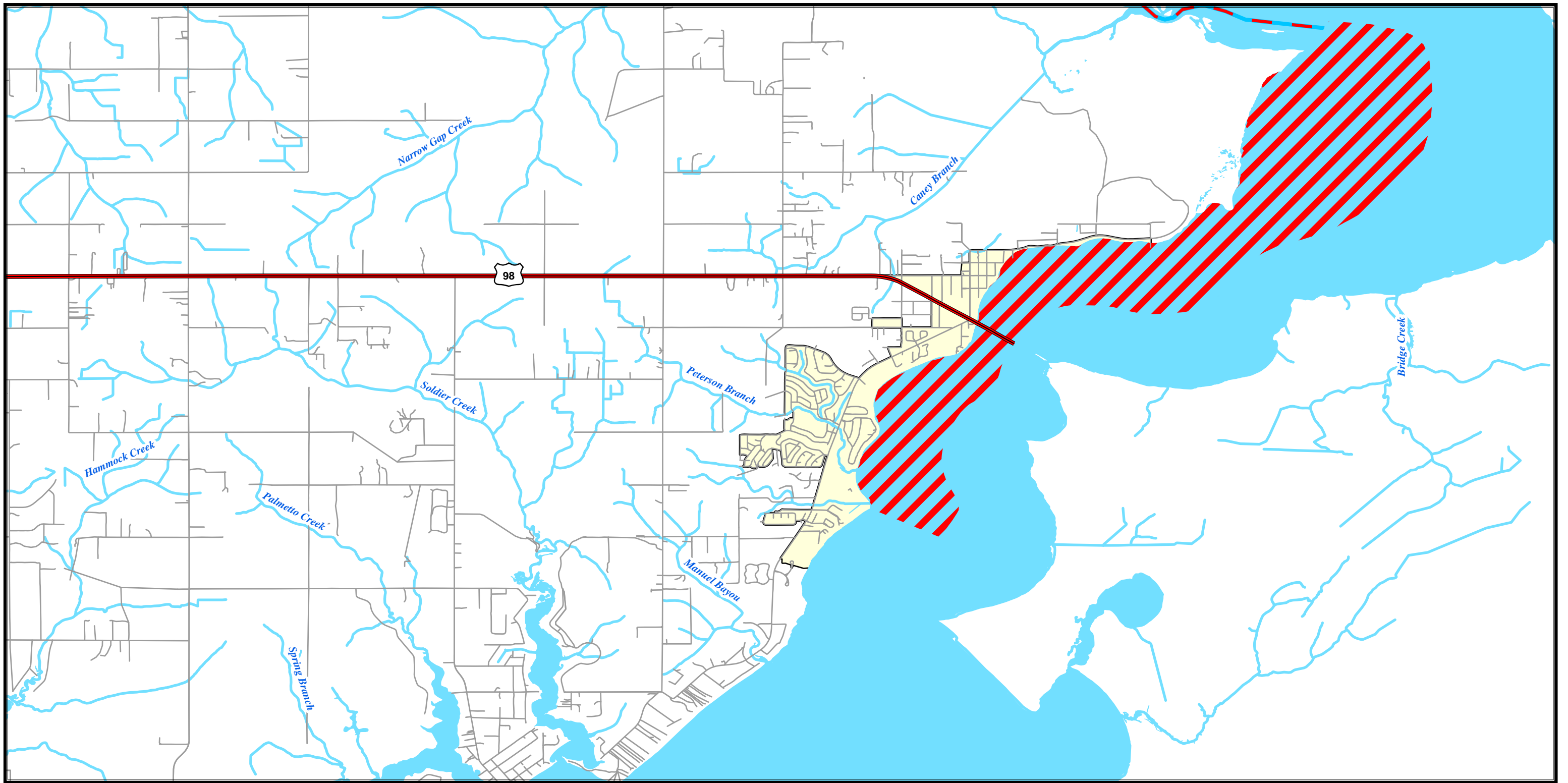
-  Sediment POC
-  Other POCs



1 inch = 5,000 feet


Index #: 103






ALDOT MS4 Areas Baldwin County Map: 5

 MS4 Area

 Location Needing Study

303(d) / TMDL Listed Waters

 ALDOT Support Facility

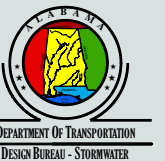
 Major Outfall on Inventory

 Sediment POC

 Other POCs

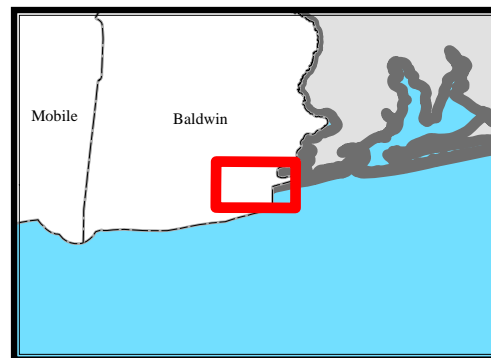
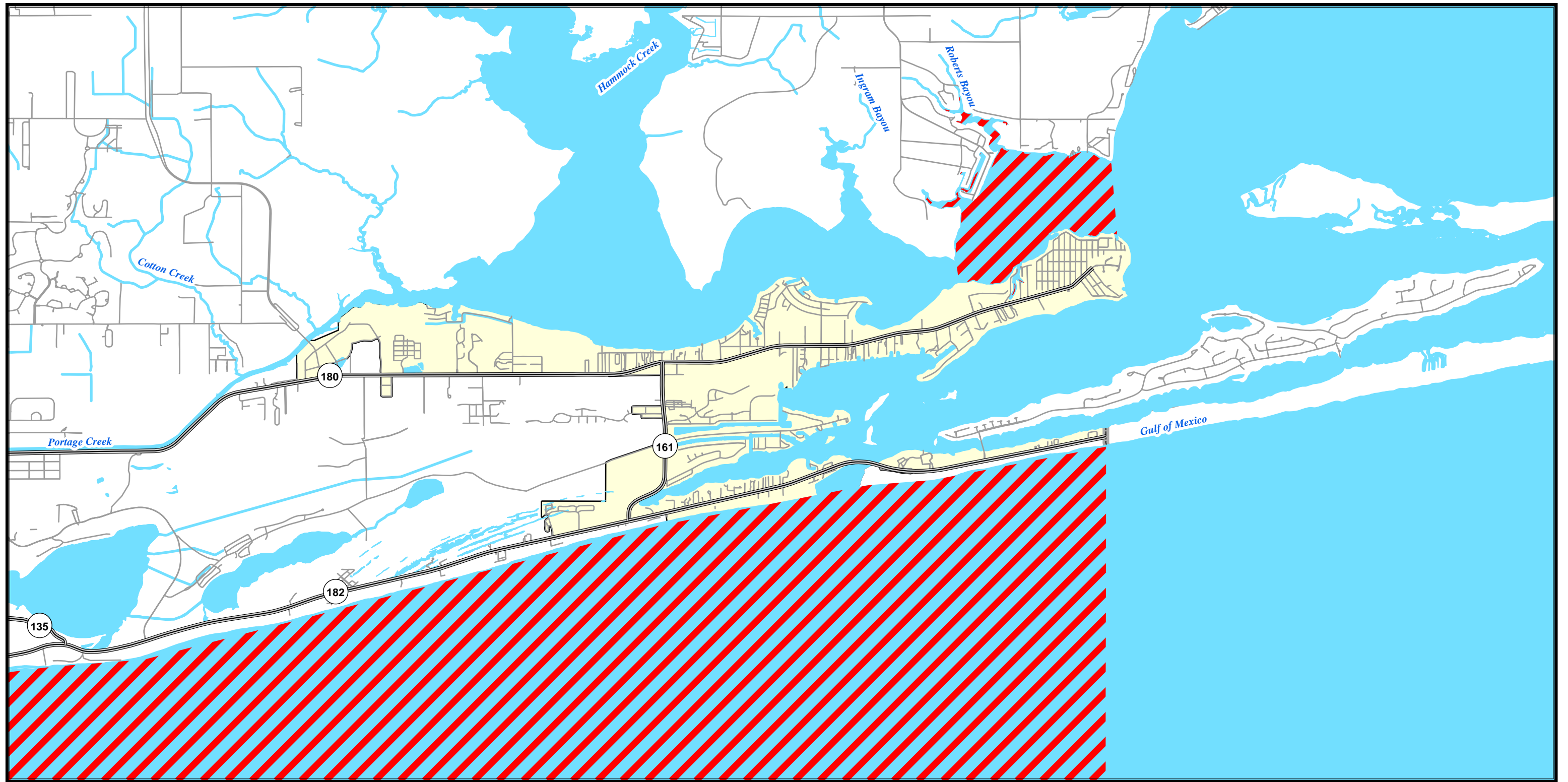


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0 1,250 2,500 5,000 7,500 10,000
Feet

1 inch = 5,000 feet




ALDOT MS4 Areas Baldwin County Map: 6

 MS4 Area

 Location Needing Study

303(d) / TMDL Listed Waters

 ALDOT Support Facility

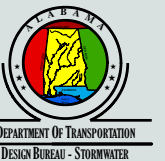
 Major Outfall on Inventory

 Sediment POC

 Other POCs



Index #: 105



0 1,250 2,500 5,000 7,500 10,000
Feet

1 inch = 5,000 feet

ALDOT MS4 Major Outfall Inventory Schedule

Last Updated: January 12, 2017

MS4 Area	Locations to Study for Major Outfall Candidates	Commencement	Inventory Status
Dothan*	52	July 2014	Completed
Auburn/Opelika	44	February 2015	Completed
Phenix City	24	February 2015	Completed
Montgomery	125	June 2015	Completed
Tuscaloosa	98	August 2015	Completed
Decatur	40	November 2015	Completed
Mobile	134	February 2016	Completed
Baldwin County	83	May 2016	Completed
Florence	71	September 2016	Completed
Huntsville	99	October 2016	Completed
Gadsden	80	February 2017**	Not Commenced
Anniston	94	April 2017**	Not Commenced
Jefferson/ Shelby County	408	July 2017**	Not Commenced

* Pilot study. Validated data considered viable as inventory data for Dothan MS4 area.

** Anticipated.

Appendix E:
Supplemental Material for Section II.E

ALDOT MS4 Active Construction Projects (Transportation Facilities):
Fiscal Year 2016

**ALDOT MS4 Active Construction Projects (Transportation Facilities):
Fiscal Year 2016**

ADEM Permit No.	ALDOT Project No.	ALDOT Permit Sequence No.	MS4 Area	County	Project Description
ALR107503	NHF-8106(008)	204	GADSDEN	ETOWAH	SR-77 FROM STEEL STATION RD TO I-59 RAMP(EAST SIDE)
ALR107574	HPPF-0035(511)	1562	MONTGOMERY	MONTGOMERY	MGM OUTER LOOP FR SOUTH OF SR-110 THRU I-85 INT, PHASE V, BSP OUTER LOOP, SERVICE RD, RAMPS AT SR-110 INTERCHANGE AND I-85 INTERCHANGE
ALR108620	NH-0210(013)	838	MOBILE	MOBILE	US-98 FR MISS LINE TO SNOW RD W OF SEMMES
ALR108735	APD-0471(501)	1253	JEFFERSON/SHELBY COUNTY	JEFFERSON	COR X, I-65 FR N OF CR-1107 (41ST AVE) TO WALKERS CHAPEL RD/ COR X FR I-65 TO US-31, GDBP/ BR ON I-65, GDR COR X, GDBP/ US-31, LEWISBURG RD, LANDFILL RD, BRG ON LANDFILL RD, I-65 NB BRG OVER US-31 PART RMP BRG NW65X AND PART RMP BRG ENX65-NORFOLK SOU
ALR109315	STPOA-0025(518)	1133	GADSDEN	ETOWAH	NEW LOCATION, US 411 FROM FOUR LANES IN GADSDEN TO TURKEYTOWN
ALR109600	STPAAF-STPOAF-8829(600)	1324	QUAD CITIES	COLBERT	SR-133 FROM NORTH OF NORFOLK SOUTHERN RR BRIDGE TO 700 FEET SOUTH OF AVALON AVENUE IN THE CITY OF MUSCLE SHOALS
ALR109722	STPOAF-7814(602)	1171	MONTGOMERY	ELMORE; AUTAUGA	IMPROVEMENTS TO CR-29 (OLD FARM LANE) FROM PRATTVILLE CITY LIMITS TO SR-14 (PHASE II AND III)
ALR109722	STPOAF-7814(603)	1170	MONTGOMERY	ELMORE	IMPROVEMENTS TO CR-29 (OLD FARM LANE) FROM PRATTVILLE CITY LIMITS TO CR-50 (ROCKY MOUNT RD) (PHASE III)
ALR10A388	NHF-0013(572)	1371	QUAD CITIES	LAUDERDALE	US-43 FR 4 LN AT KILLEN TO SR-64 (ADDITIONAL LANES) BASE AND PAVE.
ALR10A425	BRF-7009(009)	630	JEFFERSON/SHELBY COUNTY	JEFFERSON	REP BR #1502 OVER SHADES CR #1503 OVER CSX RR ON SR-150 BIN #001502 SR-66.2, BIN #001503 SR-32.5
ALR10AAY4	NHF-I059(376)	1379	TUSCALOOSA	TUSCALOOSA	I-59 (I-20) ADD'L LANES FROM SOUTH OF CR-85 (BUTTERMILK ROAD) TO SOUTH OF SR-7 (US-11).
ALR10AAY4	IMF-NHF-I059(377)	1541	TUSCALOOSA	TUSCALOOSA	I-59 (I-20) ADDITIONAL LANES AND BRIDGE REPLACEMENT FROM SOUTH OF SR-7 (US-11) TO SOUTH OF CR-32. GRADE, DRAIN, BASE, PAVE, AND BRIDGE OVER NS RR NORTHBOUND LANE DOT # 725-432D AND SOUTHBOUND LANE RR DOT # 942-611R
ALR10AAY4	NHF-I059(376)	1542	TUSCALOOSA	TUSCALOOSA	I-59 (I-20) ADD'L LANES FROM SOUTH OF CR-85 (BUTTERMILK ROAD) TO SOUTH OF SR-7 (US-11).
ALR10AB07	ST-037-000-010	895	JEFFERSON/SHELBY COUNTY	JEFFERSON	ADD LANES ON SR-150 FROM EAST OF CR-97 (SHADES CREST RD) TO EAST OF I-459 AND I-459 NBR FROM 500 FT SOUTH OF MP 11 TO APPROX. 1/2 MILE NORTH OF MP 11
ALR10AC30	ACAA60255-ATRP(001)	1479	MOBILE	MOBILE	RECONSTRUCTION OF BROAD STREET FROM 15TH STREET TO APPROXIMATELY 700 FT SOUTH OF I-10
ALR10AC40	NHF-0901(500)	1408	ANNISTON	CALHOUN	SR-901(ANNISTON EAST BYPASS) FROM 1500' SOUTH OF LAKE YAHOU TO SR-1 (US-431)
ALR10AC66	APDF-1602(551)	1175	JEFFERSON/SHELBY COUNTY	JEFFERSON	SR-959 (BIRMINGHAM NORTHERN BELTLINE) FROM SR-79 TO SR-75. GRADE AND DRAIN
ALR10AD89	ACAA59064F-STPMBF-7503(600)	1420	MOBILE	MOBILE	5-LANE SCHILLINGER RD FROM HOWELLS FERRY RD TO SR-42 (US-98)
ALR10AE54	IM-IMD-I010(328)	1445	MOBILE	MOBILE	RESURFACING I-10 FROM HALLS MILL TO WEST END OF GEORGE C WALLACE TUNNEL
ALR10AF14	NH-HSIP-0001(580)	1469	HUNTSVILLE	MADISON	WIDENING AND RESURFACING SR 1 (US 431) FROM SOUTH OF VICTORIAN LANE IN OWENS CROSS ROADS TO JUST SOUTH OF THE INTERSECTION WITH OLD BIG COVE ROAD
ALR10AF71	NH-0038(531)	1411	JEFFERSON/SHELBY COUNTY	SHELBY	INTERSECTION IMPROVEMENTS ON SR-38 (US-280) AT SR-119 AND ADDITIONAL LANES ON SR-119 FROM CORPORATE DRIVE TO BROOK HIGHLAND PARKWAY.
ALR10AI77	NH-HSIP-0002(562)	1505	HUNTSVILLE	MADISON	RESURFACING AND 2' SAFETY WIDENING SR-2 (US-72) EASTBOUND ONLY FROM EAST OF SHIELDS ROAD TO WEST OF BROCK ROAD

ALDOT MS4 Active Construction Projects (Transportation Facilities):
Fiscal Year 2016

ADEM Permit No.	ALDOT Project No.	ALDOT Permit Sequence No.	MS4 Area	County	Project Description
ALR10AJ32	NHF-0020(517)	1523	DECATUR	MORGAN; LIMESTONE	SR-20 (US-72A) INTERSECTION IMPROVEMENT AT SR-3 (US-31) PAVEMENT REPLACEMENT RESURFACING AND STRIPING FROM EAST SIDE OF RR BRIDGE MP 68.605 TO SR-3 MP 71.32
ALR10AJ79	NH-0006(551)	1517	TUSCALOOSA	TUSCALOOSA	EXTENDING AND ADDING NEW TURN LANES SR-6 (US-82) (MCFARLAND BLVD) WITH CITY OF TUSCALOOSA
ALR10AK61	IM-I359(302)	1504	TUSCALOOSA	TUSCALOOSA	I-359 RESURFACING AND DRAINAGE IMPROVEMENTS FROM I-20/59 TO 15TH STREET OVERPASS
ALR10AL25	IMF-HSIPF-I059(354)	1513	GADSDEN	ETOWAH	RESURFACING, CROSS SLOPE CORRECTION, BRIDGE RAISING, GUARDRAIL REPLACEMENT AND GUIDERAIL INSTALLATION ON I-59 FROM THE ST CLAIR/ETOWAH COUNTY LINE TO 0.2 MILES SOUTH OF SR 77
ALR10AM41	BR-7940(601)	1518	TUSCALOOSA	TUSCALOOSA	REPLACE BRIDGE SR-215 63-8.5 OVER ABS RAILROAD AND 19TH STREET, BIN # 002800
ALR10AN08	NHF-0002(564)	1502	HUNTSVILLE	MADISON	SR-2 (US-72, CORRIDOR V) ADDITIONAL LANE (WESTBOUND ONLY) AND INTERSECTION IMPROVEMENTS FROM MAYSVILLE ROAD TO SHIELDS ROAD.
ALR10AQ03	NHF-BRF-0210(506)	1560	DOTHAN	HOUSTON	BRIDGE OVER BRIDGE CULVERT ON SR-210 (ROSS CLARK CIRCLE), FROM FORTNER STREET TO BAUMAN DRIVE BIN'S #020952, #020951
ALR10AT04	ST-051-009-005	1597	MONTGOMERY	MONTGOMERY	SERVICE ROAD IMPROVEMENTS ALONG SR-6 (US-231) AND THE EAST BYPASS (US-82) AT TRENHOLM STATE TECHNICAL COLLEGE
ALR10AT05	NH-0042(527)	1533	BALDWIN COUNTY	BALDWIN	RESURFACING ON SR-42 (US-98) FROM JUST NORTH OF SR-42 (US-98) AND SCENIC 98 INTERSECTION TO JUST WEST OF CR-65
ALR10AU20	STPAA-STPBH-7376(600)	1581	JEFFERSON/SHELBY COUNTY	JEFFERSON	VEHICLE/PEDESTRIAN BRIDGE ON SHUTTLESWORTH DR FROM 29TH AVE N TO 32ND AVE N
ALR10AU64	NH-HSIP-0006(556)	1611	MONTGOMERY	MONTGOMERY	RESURFACE AND 2FT SAFETY WIDENING SR-6 (US-82) FROM THE JCT OF SR-8 (US-80) TO PAVEMENT JOINT JUST SOUTH OF SR 271 AND WESTBOUND ONLY FROM MP 165.8 TO MP 166.441
ALR10AV56	APDF-0471(533)	1607	JEFFERSON/SHELBY COUNTY	JEFFERSON	FINAL BASE AND PAVE ON I-22 (CORRIDOR X) FROM CR-77 (COALBURG ROAD) TO I-65 AND TO INCLUDE THE PARTIAL SIGNING AND STRIPING FROM WEST OF THE SR-4 (US-78) INTERCHANGE TO I-65
ALR10AV58	STPBHF-I020(349)	1609	JEFFERSON/SHELBY COUNTY	JEFFERSON	BRIDGE REPLACEMENT AND APPROACHES ON 31ST STREET NORTH OVER I-59/20 (BIN 10493) AND 12TH AVENUE NORTH OVER I59-/20 (BIN 10494)
ALR10AW61	ST-037-038-008	1615	JEFFERSON/SHELBY COUNTY	JEFFERSON	SR-38 (US-280) AUXILIARY LANES FROM I-459 TO CAHABA RIVER ROAD
ALR10AW83	STPBHF-I065(457)	1610	JEFFERSON/SHELBY COUNTY	JEFFERSON	CBD BRIDGE WIDENINGS AND APPROACHES ON I-65 OVER 2ND AVE N (BIN 14391), 3RD AVE N (BIN 14393), AND 4TH AVE N (BIN 14392).
ALR10AX27	NH-0038(535)	1604	JEFFERSON/SHELBY COUNTY	JEFFERSON; SHELBY	SR-38 (US-280) MISCELLANEOUS IMPROVEMENTS FROM HOLLYWOOD BLVD TO CR-1514 (DOUG BAKER BLVD) INCLUDING MEDIAN PROTECTION FROM CHEROKEE RD TO OVERTON RD
ALR10AX52	NH-HSIP-0052(509)	1600	DOTHAN	HOUSTON	RESURFACING AND 2' SAFETY WIDENING ON SR-52 FROM SR-12 (US-84) IN DOTHAN TO EAST OF CR-55
ALR10AY32	IM-IMD-I065(435)	1621	JEFFERSON/SHELBY COUNTY	SHELBY	REPLACE EXISTING CONCRETE FLUMES AND REPAIR SINKHOLES ON BACKSLOPE BENCHES ON I-65 NORTH OF SR-119 EXIT 246 TO SOUTH OF VALLEYDALE ROAD EXIT 247
ALR10B057	ST-037-007-005	1638	JEFFERSON/SHELBY COUNTY	JEFFERSON	INTERSECTION IMPROVEMENTS TO THE I-459/SR-7/US-11 RAMP JUNCTIONS
ALR10B338	NHF-0053(530)	1647	HUNTSVILLE	MADISON	SR-53 (MEMORIAL PKWY) FROM NORTH OF CR-77 (WHITESBURG DR) TO SOUTH OF GOLF RD (MAIN L) INCLUDES: GRADE, DRAIN, BASE, PAVE AND BRIDGES FOR THE MAINLINE ON MEMORIAL PKWY. (PRIORITY #20-2011)
ALR10B562	STPAA-HSIP-0126(500)	1656	MONTGOMERY	MONTGOMERY	RESURFACE AND 2' SAFETY WIDENING SR-126 FROM THE JCT OF ATLANTA HIGHWAY TO THE JCT OF CHANTILLY PARKWAY. EXCLUDING THE MONTGOMERY OUTER LOOP BASE AND PAVE PROJECT LIMITS
ALR10B564	STPAA-HSIP-0293(500)	1648	MONTGOMERY	MONTGOMERY	RESURFACE AND 2' SAFETY WIDENING SR-293 FROM SR-110 TO SR-126

ALDOT MS4 Active Construction Projects (Transportation Facilities):
Fiscal Year 2016

ADEM Permit No.	ALDOT Project No.	ALDOT Permit Sequence No.	MS4 Area	County	Project Description
ALR10B594	BR-0001(565)	1624	GADSDEN	ETOWAH	REPLACE BRIDGE SR-1 (US-431) BIN # 5430 STR#1-28-11.9A AND BIN # 8648 STR#1-28-11.9B OVER BLACK CREEK.
ALR10B692	ACIMF-I059(383)	1637	JEFFERSON/SHELBY COUNTY	JEFFERSON	CBD BRIDGE INTERCHANGE MODIFICATIONS ON I-59/20 AT I-65
ALR10B717	NHF-MR15(900)	1653	TUSCALOOSA	TUSCALOOSA	INSTALLATION OF ADAPTIVE SIGNALS AND REMOVAL OF UNWARRANTED SIGNALS ON SR-6 (US-82; MCFARLAND BLVD) FROM 0.10 MI E. OF 26TH AVE (MP 46.13) TO SR-7 (US-11; SKYLAND BLVD) (MP 53.420)
ALR10B814	ST-051-110-008	1679	MONTGOMERY	MONTGOMERY	ACCESS MANAGEMENT AND INTERSECTION IMPROVEMENTS ON ATLANTA HIGHWAY(SR-126) /CHANTILLY PKWY (SR-110) FROM WEST OF TECHNACENTER DRIVE TO EAST OF EASTCHASE PARKWAY
ALR10B981	STPMBF-STPAAF-7503(601)	1643	MOBILE	MOBILE	CR-372 (SCHILLINGER RD) ADD LANES FROM SR-42 (US-98) TO SR-217 (LOTT RD)
ALR10BA69	STPAA-HSIP-0051(513)	1722	AUBURN/OPELIKA	LEE	RESURFACE AND 2' SAFETY WIDENING ON SR-51 FROM THE RUSSELL COUNTY LINE(MP 98.120) TO THE OPELIKA CITY LIMITS (MP 111.980)
ALR10BAA2	BR-0005(513)	1370	JEFFERSON/SHELBY COUNTY	JEFFERSON	BIN #001394 ON SR-5 OVER VILLAGE CREEK AND FRISCO RAILROAD
ALR10BAI2	ACNH39475F-I065(388)	1623	MOBILE	MOBILE	I-65ATCR-41 (CELESTE RD NORTH OF SARALAND), INTERCHANGE MODIFICATION, (BRIDGE WIDENING OVER I-65 TO FIVE LANES, BIN #009270), ENVIRONMENTAL DOCUMENT TO ALSO INCLUDE ADDITIONAL LANES ON CR-41 (CELESTE RD) FROM US-43 TO LAFITTE ST/FOREST AVE.
ALR10BAI3	STPAAF-0014(509)	1639	MONTGOMERY	ELMORE	SR-14 INTERSECTION IMPROVEMENT AT SR-143 IN ELMORE (CSX RR) INCLUDES BRIDGES
ALR10BAN3	HPPF-AL06(902)	1728	MOBILE	MOBILE	I-10 EASTBOUND WATER STREET ON-RAMP CLOSURE AND IMPROVEMENTS TO CANAL STREET, CLAIBORNE STREET, AND TEXAS STREET INTERCHANGE
ALR10BAR7	ERPR-9010(934)	1735	DECATUR	MORGAN	SLOPE FAILURE REPAIR WORK ALONG SR-67 NB AT THE BRIDGE OVER THE CSX RR IN DECATUR. FHWA DISASTER NO. AL-2016-1. DDIR NO. 30-02-52-1.
ALR10BB48	IMF-HSIPF-I759(301)	1730	GADSDEN	ETOWAH	RESURFACING I-759 FROM THE I-59 INTERCHANGE TO THE EAST END OF THE COOSA RIVER BRIDGE
ALR10BBB1	STPAA-HSIP-0003(571)	1543	JEFFERSON/SHELBY COUNTY	JEFFERSON	RESURFACING, SAFETY WIDENING AND SAFETY IMPROVEMENTS ALONG SR-3 (US-31) FROM LOCUST FORK BLACK WARRIOR RIVER TO BLOUNT COUNTY LINE, PHASE 1, 2012

Appendix F:
Supplemental Material for Section II.F

(reserved)

Appendix G:

Supplemental Material for Section II.G

Support Facility Good Housekeeping Manual

ALDOT MS4 Support Facility Annual Inspections:
Fiscal Year 2016

Herbicide Treatment Surveillance
Performance Guideline Change

ALDOT MS4 Transportation Facility Maintenance:
Fiscal Year 2016

Transportation Support Facility Environmental Procedures Manual

April 2016



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I. INTRODUCTION

1.1 Support Facility Compliance History

The Alabama Department of Transportation (ALDOT) support facility compliance program has been in existence since 2003, and was initiated due to non-compliance findings by Alabama Department of Environmental Management (ADEM) inspections at the Central Office Sign Shop and Troy Area (former 7th Division Office) drum storage area. As a result of these non-compliance issues ALDOT submitted a Supplemental Environmental Project (SEP) Proposal on November 18, 2003 which was followed by a Consent Order (04-052-CHW), signed by both ALDOT and ADEM, on March 23, 2004.

The purpose of the SEP was a voluntary method for ALDOT to mitigate some of the proposed requirements and penalties of the Consent Order. A number of commitments were made within the SEP which led to the creation of the Support Facility Environmental Compliance Program. The following are the main goals of the SEP:

- Promote a comprehensive approach to environmental management between the Bureaus at the Central Office Complex in Montgomery, the 9 Divisions (now 5 Regions), and the associated District Offices located statewide.
- Emphasize that every DOT employee understands the importance of pollution prevention/reduction.
- Enhance communication between different operating units within the DOT's organization regarding waste management.
- Measure and track environmental performance/compliance to document continual improvement in environmental compliance.
- Increase protection of public health and the environment by reducing the volume and toxicity of waste generated in accordance with the Pollution Prevention Act.

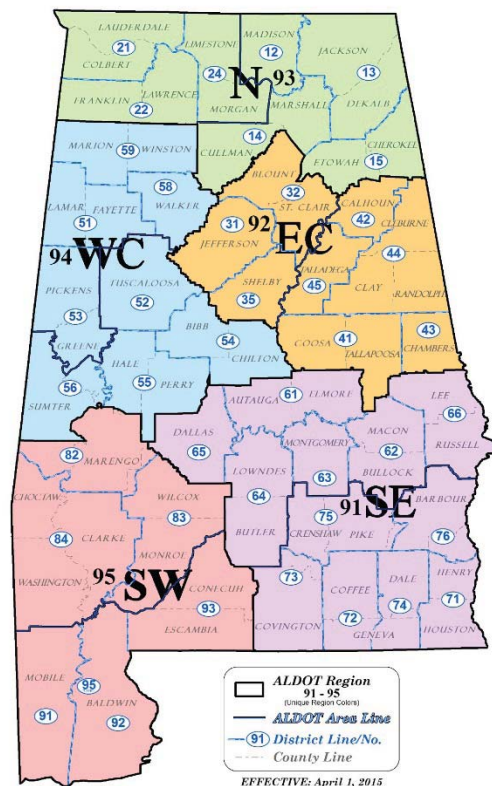
Although the requirements set forth due to the 2004 Consent Order have been met and ALDOT has transformed its facility environmental compliance program due to those requirements, there is a renewed emphasis for Pollution Prevention and Good Housekeeping as outlined in ALDOT's current MS4 Stormwater Management Program Plan (NPDES AL000006). Therefore, this manual



was developed to ensure that the past achievements in facility compliance continue to evolve as regulations change, and that all ALDOT facilities have a standard procedure which to operate by.

I.II ALDOT Organization & Facilities

This document’s main focus is to provide a standard approach to environmental compliance at ALDOT’s support facilities, where departmental operations are based out of, not necessarily roadways and bridges. Therefore organization structure will refer to only those physical support sites. The overall structure consists of the Central Office which consists of twenty-three (23) bureaus. Outside of the Central office the state is divided up into five (5) “Regions” with each Region divided into two (2) “Areas”. Furthermore each of these individual Areas are then further divided into “Districts”. Below see a map showing this organizational structure:



The facilitation of the Support Facility Environmental Compliance Program is achieved through a two (2) tiered approach. Tier I is overall program administration and quality control, and is the responsibility of the Bureau of Materials and Tests located within the Central Office. The Bureau of Materials and Tests provides each Region with the tools to facilitate facility compliance such as manuals, training material, regulatory assistance, and annual compliance audits of all ALDOT



support facilities. Tier II is local administration, and is the responsibility of each Region/Area. Each Area has an “Environmental Compliance Manager” who is responsible for utilizing Tier I resources and applying them to each facility to maintain compliance. These two (2) tiers work in conjunction to ensure that the Support Facility Environmental Compliance Program operates in accordance with the ALDOT’s environmental policy statement which is as follows.

“While providing a safe, efficient, environmentally sound, and economically sound transportation system, it is the policy of the Alabama Department of Transportation to promote the preservation and enhancement of the natural and cultural resources of the State of Alabama through:

- *Internal and external communications, coordination, and cooperation, and by*
- *Integrating the principles of environmental stewardship, innovation, and compliance into the planning, design, construction, operation and maintenance of Alabama’s transportation facilities.”*



1.0 USED OIL MANAGEMENT

Any used oil accumulated during ALDOT maintenance operations should be carefully managed to ensure proper handling, safe storage, subsequent recycling, and associated documentation. Recycling efforts for used oil and used oil filters aid in protecting the environment while extending the useful life of valuable resources. Only used oil that is intended to be recycled is regulated under the used oil management standards of ADEM. Used oil that is designated for disposal rather than recycling is considered a solid waste that must first undergo a solid/hazardous waste determination.



1.1 What is used oil?

Three primary criteria used by ADEM:

- **Origin** – refined from crude oil or made from synthetic materials. Animal and vegetable oils are excluded from the definition of used oil.
- **Use** – has been used as a lubricant, hydraulic fluid, heat transfer fluid (excluding antifreeze) or other similar purpose.
- **Contaminants** – as a result of being used for their intended purpose, used oils are often contaminated with physical impurities (metal particles from engine wear, dust, etc.) or chemical impurities (fuel combustion products, solvents, etc.).

Some examples of used oil include:

<i>Engine oil</i>	<i>Bearing oil</i>	<i>Gear oil</i>	<i>Hydraulic oil</i>
<i>Electrical oil</i>	<i>Brake fluid</i>	<i>Compressor oil</i>	<i>Power steering fluid</i>
<i>Rolling oil</i>	<i>Cutting oil</i>	<i>Grease</i>	<i>Transmission fluid</i>

Virgin fuel oils that have never been used but have become wastes are defined as waste oils and are excluded from ADEM's definition of used oil. Waste oils should remain separate from used oil accumulation and managed accordingly. Examples of waste oils include tank bottom clean outs or cleanup of virgin oil spills. Other products used as cleaning agents or solely for their solvent properties and certain petroleum derived products (antifreeze and kerosene) are also excluded and should not be mixed with used oil.



1.2 Storage

All used oil must be properly stored in competent containers that are located in a designated secure area(s) at each facility. Only used oil that meets the specific criteria described on the prior page is to be placed in the storage container(s).



- Properly label all storage containers as **USED OIL** with a label that is legible from at least 25 feet.
- All fill pipes to ASTs where there is a wall or barrier between the fill port and AST or fill pipes to USTs should be labeled as **USED OIL**.
- All storage containers must be in good condition, structurally sound (no rust, no cracks, no leaks) and visually inspected on a routine basis.
- Containers should be located in a secure area that is away from normal vehicle traffic, away from ignition sources, and under cover (where possible).
- Upon collection, promptly transfer all used oil to the designated container.
- Use appropriate controls and standard practices to prevent spills and overfills including visual observations prior to the addition of used oil to verify adequate storage volume.
- Keep all used oil containers **closed and secure when not in use**.

Other considerations

- Any spill or leak must be addressed immediately. Efforts should be taken to promptly stop the release and remove any impacted materials (soil, gravel, etc.) as needed. Impacted materials must be disposed of in accordance with ADEM requirements.
- Notify your Environmental Coordinator if more than 25 gallons of used oil are released at your facility during any calendar year.
- Secondary containment must be provided or a spill kit must be maintained in close proximity of storage containers with capacities of 55 gallons or greater.
- Empty drums and other empty used oil containers should be stored in the same designated area in close proximity to a spill kit.
- For storage containers 55 gallons and greater, the used oil container(s) must be included in the facility Spill Prevention Control and Countermeasure (SPCC) plan (if applicable) and managed accordingly.



1.3 Used Oil Filters



Non-terne plated used oil filters (mixture of tin and lead) that are not mixed with a listed waste and are destined to be recycled are exempt from hazardous waste regulations if these oil filters have been gravity hot-drained (near engine operating temperature and above room temperature).

Hot-drain methods include:

1. Puncture the filter anti-drain back valve or the filter dome end and hot-drain.
2. Hot drain and crush to press out residual oil.
3. Dismantle and hot drain.
4. Any other equivalent hot-drain method that will remove free-flowing used oil as approved by ADEM.

Filters that immediately drip oil when picked up have not been properly drained. All drained filters should be promptly placed in the appropriate scrap metal bin for recycling. If recycling is not available, the drained filters should be bagged and discarded per ADEM solid waste regulations (if non-hazardous).

NEVER

- Mix used oil with other wastes (gasoline, antifreeze, pesticides, solvents, paints, debris, etc.)
- Allow used oil to mix with any surface water or ground water
- Apply used oil for dust suppression
- Allow used oil to accumulate outside of containment vessels.
- Dispose of used oil by burning
- Dispose of used oil or undrained oil filters in dumpsters or other common waste receptacles
- Leave used oil containers open



1.4 Transport and Recycling

At minimum, containment vessels should be emptied on an as needed basis and prior to reaching 85% capacity. Removal efforts should be conducted by an ADEM permitted used oil transporter. Designated facility personnel should be present during the removal process to ensure the container(s) has been sufficiently emptied and no spill or leak occurs.

The transporter must provide documentation of the used-oil pickup. Facilities should keep this documentation on file for at least 3 years. The documentation should identify the name and EPA ID number for the transporter, the date of the shipment, the quantity of the shipment, and the final destination.

1.5 Notification Requirements

Facilities that generate, on average, more than 25 gallons of used oil per month in a calendar year must have an EPA identification number prior to generating the used oil. Furthermore, ADEM Form 8700-12 must be submitted on an annual basis to document used oil activities. The submittal dates are specified by month based on your County. Please refer to the Environmental Compliance Calendar for more details.

1.6 Regulatory References

ADEM used oil management standards are provided in Chapter 335-14-17.

<http://www.adem.state.al.us/alEnviroRegLaws/files/Division14.pdf>

ADEM Notification of Regulated Waste Activity (Form 8700-12)

<http://adem.alabama.gov/deptforms/form8700-12.pdf>



2.0 HAZARDOUS WASTE MANAGEMENT – UNIVERSAL WASTE

Universal waste is one of the four categories of hazardous waste established by the Environmental Protection Agency (EPA). The universal waste category is associated with specific widely-generated hazardous wastes identified under the Code of Federal Regulations (CFR) Title 40, Chapter 1, Subchapter I, Part 261 and Part 273.

These wastes are exempt from some requirements of the hazardous waste regulations which results in less stringent management efforts. Universal wastes include the following.

Light Bulbs (Lamps)

Compact fluorescent lamps (CFL), fluorescent lamps, and high intensity discharge lamps contain small amounts of mercury and lead but may be managed as a universal waste as long as the lamp remains intact. Lamps that are broken, crushed, or otherwise no longer intact are not to be handled as a universal waste and are subject to a solid/hazardous waste determination.



A used mercury-containing lamp becomes a waste on the date it is permanently removed from its fixture. An unused mercury-containing lamp becomes a waste on the date the handler decides to discard it.

Batteries

Common types of batteries that can be considered universal waste include nickel cadmium (Ni-Cad), lithium ion (Li-ion), lead acid, and caustic mercury. Batteries that do not exhibit hazardous waste characteristics (alkaline batteries) are not considered universal waste. However, recycling is recommended for non-hazardous waste batteries

A used battery becomes a waste on the date it is discarded. An unused battery becomes a waste on the date the handler decides to discard it.

Pesticides

Only pesticides that have been recalled or banned from use or unused pesticides collected as part of a waste pesticide collection program (recognized by ADEM) can be managed as a universal waste.



A recalled pesticide becomes a waste on the first date that the generator agrees to participate in the recall **and** the party conducting the recall decides to discard it. An unused pesticide destined for a collection program becomes a waste on the date the generator decides to discard it.

Mercury-Containing Equipment



Mercury-containing equipment (excluding batteries and lamps) refers to a device or part of a device that contains a small amount of mercury integral to its function. This generally covers thermostats, switches, barometers, manometers, thermometers, and other similar equipment.

Used mercury-containing equipment becomes a waste on the date it is discarded. Unused mercury-containing equipment becomes a waste on the date the handler decides to discard it.

2.1 Types of Generators

There are two types of universal waste generators (referred to as handlers) based on the quantity of universal waste that is generated at any time.

- Small Quantity Handler of Universal Waste (SQHUW)
 - Accumulates up to 5,000 kilograms (kgs) – approximately 11,000 pounds
- Large Quantity Handler of Universal Waste (LQHUW)
 - Accumulates 5,000 kgs or more

ALDOT facilities that generate universal waste are considered a SQHUW. An EPA Identification Number is not required for universal waste generated at a SQHUW facility.

You may accumulate universal waste at your facility for no longer than one year from the date the waste is first generated or received. An exception to this one-year period is allowable only if it is necessary to collect a sufficient quantity for recycling. However, you must be able to prove the extended time period is necessary for the accumulation.

2.2 Management of Hazardous Waste

Hazardous waste generators must implement measures to ensure that hazardous wastes are properly identified and safely handled to protect human health and the environment. All



personnel involved with the generation and management of hazardous waste should have a thorough understanding of the requirements and procedures needed to ensure proper management.

Basic training is required for applicable personnel, including emergency response procedures specific to the wastes handled at your facility. Training efforts should be documented. It is good practice to periodically conduct refresher training for all personnel involved with hazardous wastes.

2.2.1 Container Labeling

All containers used to store universal waste must be clearly labeled as “Universal Waste – Bulbs”, “Universal Waste - Batteries”, etc. and note the date of initial accumulation. Containers must be arranged so that identification labels are easily visible.



2.2.2 Containers

Storage containers for hazardous wastes will range in type and capacity. For example, bulbs may be returned to the original container as long as the container is in good condition and will prevent breakage. Do not place broken or damaged bulbs in the primary container.

Any battery that shows evidence of a leak or damage that could cause a leak must be placed in a container that is structurally sound, capable of containing the leakage, and compatible with the liquid. The container must be periodically inspected to ensure there are no leaks.

Pesticides and mercury-containing equipment should also be placed in individual containers.

Select the smallest container available that will adequately hold the expected quantity of waste. All hazardous wastes are to be stored in compatible containers that are located in designated, secure areas at each facility. Never store incompatible materials in the same container or in close proximity of other incompatible waste containers.

Each container must be kept closed at all times except when adding or removing waste. A container holding hazardous waste must not be opened, handled, or stored in a manner which may result in a rupture or leak.



2.2.3 Accumulation Areas

Hazardous waste accumulation areas will be kept clean and free of debris at all times. Containers should be stored under cover where possible to prevent contact with precipitation. There should be sufficient aisle space in the accumulation area to allow unobstructed movement of personnel and/or equipment in case of emergency.

Designated personnel should routinely inspect storage containers to verify no leaks have occurred or are imminent. Any container that exhibits signs of damage, bulging, stress, rust, or is in otherwise poor condition will be promptly removed from service. If a container is leaking or damaged, safely transfer the waste to a compatible container in good condition.

Any spill, leak or other residues must be contained immediately. Impacted material (soil, gravel, debris, etc.) should be removed. You must determine if any material resulting from the release is hazardous waste and manage accordingly in accordance with applicable EPA and ADEM requirements.

2.2.4 Waste Documentation



The quantity of universal waste generated at your facility should be documented and remain current at all times. You must maintain a written record of the first date of accumulation, including the amount, type and number of each waste you generate. This documentation should be reviewed periodically to ensure accumulation limits are not exceeded.

SQHUU facilities are not required to utilize a manifest for disposal efforts or required to keep records related to shipments of universal wastes. However, ALDOT requires that you maintain some form of documentation for each shipment in the facility file.

2.2.5 Transport and Recycling/Treatment/Disposal

A SQHUU facility is prohibited from disposing of universal waste at their facility. Furthermore, you cannot dilute or treat universal waste unless such occurs during response to a spill. Universal wastes must be delivered to another universal waste handler, recycler, treatment facility, or disposal facility.



HAZARDOUS WASTE MANAGEMENT – UNIVERSAL WASTE

The waste should be prepared for shipment including proper packaging, labeling, marking, and appropriate placarding to meet DOT regulations, as applicable. This can be performed by facility personnel or the transporter.



A universal waste transporter is not required to have an EPA Identification Number. However, they must meet the ADEM requirements for a universal waste transporter. You may self-transport universal waste but are also subject to the requirements of a universal waste transporter including:

- Prohibited from disposal of universal waste
- Prohibited from diluting or treating universal waste (except by responding to releases)
- Required to contain all releases and residues of universal waste
- May only store universal waste for 10 days or less
- Must immediately respond and contain all releases of universal waste
- May only transport the universal waste to another universal waste handler, a recycler, a treatment facility, or a disposal facility

2.3 Regulatory References

Code of Federal Regulations (CFR) Title 40, Chapter 1, Subchapter I, Part 261

<https://www.gpo.gov/fdsys/pkg/CFR-2012-title40-vol27/xml/CFR-2012-title40-vol27-part261.xml>

CFR Title 40, Chapter 1, Subchapter I, Part 273

<https://www.gpo.gov/fdsys/pkg/CFR-2012-title40-vol28/xml/CFR-2012-title40-vol28-part273.xml>

EPA Universal Wastes

<http://www3.epa.gov/epawaste/hazard/wastetypes/universal/index.htm>

ADEM hazardous waste requirements are provided in Division 335-14

<http://www.adem.state.al.us/alEnviroRegLaws/files/Division14.pdf>



3.0 HAZARDOUS WASTE MANAGEMENT - CESQG

A hazardous waste generator is any facility that produces hazardous waste as listed or characterized under the Code of Federal Regulations (CFR) Title 40, Chapter 1, Subchapter I, Part 261. Common types of hazardous wastes that may be present at some ALDOT facilities include: oil-based paints, fluorescent light bulbs, degreasing solvents, chlorinated solvents, lead-acid batteries, pesticides, cleaning products, vehicle fluids, electronic wastes, metal waste, etc.



The Environmental Protection Agency (EPA) has established four categories of hazardous wastes: listed wastes; characteristic wastes; universal wastes; and mixed wastes. For more specific information regarding these waste categories, please refer to the Hazardous Waste Identification section of this Environmental Compliance Manual.

Facilities that generate and temporarily store hazardous wastes must take necessary precautions to properly manage the material at all times in a manner that does not threaten human health or the environment.

3.1 Types of Generators

There are three categories of hazardous waste generators, each based on the quantity of hazardous waste that is generated within a specific time period.

- Conditionally Exempt Small Quantity Generators (CESQGs)
- Small Quantity Generators (SQGs)
- Large Quantity Generators (LQGs)

This section focuses solely on CESQG facilities. For more specific information regarding SQGs or universal waste requirements, please refer to the applicable sections of this Environmental Compliance Manual. Currently, no ALDOT facility meets the requirements of a LQG.

3.2 What is a Conditionally Exempt SQG?

To qualify as a CESQG, a facility must generate no more than the following amounts of hazardous wastes in any calendar month during a 12-month period:



- 100 kilograms (kgs) – approximately 220 pounds (lbs) of hazardous waste
- 1 kg (2.2 lbs) of acutely hazardous waste
- 100 kgs (220 lbs) of any residue or contaminated soil, waste, or other debris resulting from the clean-up of a spill of any acutely hazardous waste



You may accumulate less than 1,000 kgs of hazardous waste or 1 kg of acutely hazardous waste at your facility. There is no accumulation time limit for a CESQG facility. However, it is good practice to remove hazardous wastes on a regular basis and well in advance of the accumulation limits described below.

A CESQG facility cannot generate more than 100 kgs of hazardous waste in any month or accumulate 1,000 kgs or more of hazardous waste at any given time. If either of these conditions occurs, the facility is subject to the more stringent requirements of a SQG. In addition, if you accumulate more than 1 kg of acutely hazardous waste or more than 100 kgs from the cleanup of an acutely hazardous waste spill, the facility is subject to the LQG requirements.

It is noted that universal waste managed in accordance with applicable requirements are not counted toward the total quantity of hazardous waste generated at a facility.

3.3 Management of Hazardous Waste

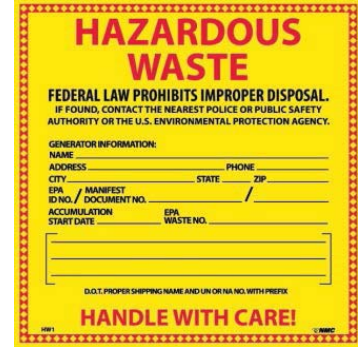
Hazardous waste generators must implement measures to ensure that hazardous wastes are properly identified and safely handled to protect human health and the environment. All personnel involved with the generation and management of hazardous waste should have a thorough understanding of the requirements and procedures needed to ensure proper management.

Although specific training for CESQG personnel is not required by EPA or ADEM, it is good practice to periodically conduct refresher training (management and emergency response) for all personnel involved with hazardous wastes at your facility.



3.3.1 Container Labeling

All containers used to store hazardous waste must be clearly labeled as “Hazardous Waste”, identify the contents, and note the date of initial accumulation. Containers must be arranged so that identification labels are easily visible.



3.3.2 Containers

Storage containers for hazardous wastes will range in type and capacity. Select the smallest container available that will adequately hold the expected quantity of waste. All hazardous wastes are to be stored in compatible containers that are located in designated, secure areas at each facility. Never store incompatible materials in the same container or in close proximity of other incompatible waste containers.

Each container must be kept closed at all times except when adding or removing waste. A container holding hazardous waste must not be opened, handled, or stored in a manner which may result in a rupture or leak.

3.3.3 Accumulation Areas

Hazardous waste accumulation areas will be kept clean and free of debris at all times. Containers should be stored under cover where possible to prevent contact with precipitation.

There should be sufficient aisle space in the accumulation area to allow unobstructed movement of personnel and/or equipment in case of emergency. Maintain and operate these areas to minimize the possibility of fire, explosion, or a hazardous waste spill. Fire extinguishers and spill control equipment should be readily available and personnel should know who to immediately contact in case of a spill.

Designated personnel should routinely inspect storage containers to verify no leaks have occurred or are imminent. Any container that exhibits signs of bulging, stress, rust, or is in otherwise poor condition will be promptly removed from service. If a container is leaking or damaged, safely transfer the waste to a compatible container in good condition.

Any spill or leak should be addressed immediately. Impacted material (soil, gravel, debris, etc.) should be removed and disposed of in accordance with applicable EPA and ADEM requirements.



Although not required for CSEQG facilities, it is good practice to store containers of liquid hazardous wastes within a secondary containment system in the event the original container should leak or rupture. Incompatible materials must not be stored in the same secondary containment structure.

3.3.4 Waste Documentation



The quantity of all hazardous waste generated at your facility should be carefully documented and remain current at all times. You must maintain a written record of the first date of accumulation, including the amount, type and number of each hazardous waste you generate. This documentation should be reviewed frequently to ensure accumulation limits are not exceeded.

CESQG facilities are not required to utilize a manifest for disposal efforts. However, hazardous waste transporters and disposal facilities will generally require a hazardous waste manifest. Regardless, you must maintain some form of disposal documentation for each shipment. This documentation should remain on file for a minimum of three years from the date the shipment occurred.

3.3.5 Transport and Disposal

Prior to disposal, the hazardous waste should be prepared for shipment including proper packaging, labeling, marking, and appropriate placarding to meet DOT regulations, where applicable. This can be performed by facility personnel or the transporter. All transporters of hazardous waste must have an EPA Identification Number and valid permit issued by ADEM for transportation of hazardous wastes.

Hazardous wastes generated by a CESQG must be delivered to a treatment, storage, or disposal facility that meets ADEM requirements. Examples include:

- A facility permitted to manage hazardous wastes in the State it is located
- A facility that has qualified for interim status to manage hazardous in the State it is located
- A facility that is permitted, licensed, or registered by a State to manage municipal solid waste
- A facility that is permitted, licensed, or registered by a State to manage non-municipal non-hazardous waste



- A facility that beneficially uses or reuses, or legitimately recycles or reclaims waste

3.4 Notification Requirements

An EPA Identification Number is not required for a CESQG facility. However, if a CESQG has an existing and active EPA Identification Number, you must submit ADEM Form 8700-12 annually or deactivate your number by providing a formal request to ADEM.

The submittal dates are specified by month based on your County. Please refer to the Environmental Compliance Calendar for more details.

3.5 Regulatory References

Code of Federal Regulations (CFR) Title 40, Chapter 1, Subchapter I, Part 261

<https://www.gpo.gov/fdsys/pkg/CFR-2012-title40-vol27/xml/CFR-2012-title40-vol27-part261.xml>

EPA Hazardous Waste Generators

<http://www.epa.gov/hwgenerators>

ADEM hazardous waste requirements are provided in Division 335-14

<http://www.adem.state.al.us/alEnviroRegLaws/files/Division14.pdf>

ADEM Notification of Regulated Waste Activity (Form 8700-12)

<http://adem.alabama.gov/deptforms/form8700-12.pdf>



APPENDIX A

ALDOT Facility Compliance Calendar



ENVIRONMENTAL COMPLIANCE CALENDAR FOR ALDOT FACILITIES

Report / Requirement	Frequency	Description
Hazardous Waste / Used Oil / Scrap Tire		
Small Quantity Generator and Conditionally Exempt Small Quantity Generator	Annually	Annual report required for hazardous wastes generated during the past 12 months for small quantity generators. Reporting required for conditionally exempt small quantity generators <i>only if the facility has an EPA Identification Number</i> . Report (Form 8700-12) due to ADEM by the 15th of the specified month for your county. Refer to Small Quantity Generator or Conditionally Exempt Small Quantity Generator sections for the ADEM specified reporting schedule.
Small Quantity Generator - Inspections	Weekly	Personnel must routinely inspect hazardous waste storage areas, containers, and containment systems a minimum of once per week to verify no leaks have occurred or are imminent. Any container or containment system that is in poor condition must be promptly removed from service. Retain inspection records in the facility file.
Used Oil Generation	Annually	Annual report required for quantity of used oil generated during the past 12 months. Report (Form 8700-12) due to ADEM by the 15th of the specified month for your county. Refer to Used Oil section for the ADEM specified reporting schedule.
Scrap Tire Reporting	Quarterly	Quarterly reports required for facilities that generate 10 or more scrap tires per year. Report (Form 539) due to ADEM by the 28th day following the end of the respective quarterly period.
Hazardous Chemical Storage		
EPCRA Tier II	Annually (by March 1)	Report hazardous materials for the previous calendar year for any chemical that was present at the facility at any time in quantities greater than 10,000 pounds (500 pounds for extremely hazardous substances). The reporting threshold for gasoline and diesel in USTs is 75,000 gallons and 100,000 gallons, respectively. Submit to AERC via ADEM, local Fire Department and local EMA.
Storm Water		
NPDES Sampling	Permit Specific	Storm water sampling and analysis required per facility specific permit. Frequency may be twice-monthly, monthly, quarterly, semi-annually, or annually.
NPDES Reporting	Permit Specific	Discharge monitoring reports (DMRs) for all but annual sampling requirements are due to ADEM no later than July 28 and January 28 each year for the prior 6 month period. DMRs for annual sampling requirements are due by January 28 for the prior year. Annual certifications may also be required and if so, are due by January 28 for the prior year.
NPDES Inspections	Permit Specific	Best Management Practices (BMP) Plan to be implemented based on facility specific permit. Typically requires twice-weekly inspections of any structures that are used to prevent storm water pollution. In addition, most NPDES permits require visual observation/documentation of storm water discharge, including precipitation drained/discharged from secondary containment structures for petroleum storage. Retain observations/inspections in the facility file.
Petroleum - ASTs and Other Containers		
SPCC Plan	Initial Preparation and Periodic Review	SPCC plan required for facilities that store more than 1,320 gallons of petroleum. If facility conditions change relative to petroleum storage/handling and responsible personnel, the plan should be updated within 180 days. At a minimum, the SPCC Plan should be updated every 5 years.
AST System and Container Inspections	Per Facility SPCC Plan	Daily informal inspections. Monthly and annual formal inspections. Retain monthly and annual inspection records in the facility file.
AST Integrity Testing	Per Facility SPCC Plan	Refer to your facility specific SPCC Plan for the integrity testing schedule. Retain records in the facility file for the life of the tank plus 3 years after it is removed from service.
SPCC Plan Training	Annually	Annual refresher training for all petroleum handling personnel in accordance with the SPCC Plan. Retain records in the facility file.
Petroleum - UST Systems		
<i>Steel Tanks and Piping - Corrosion Protection</i>		
Cathodic Protection Systems	Every 3 Years*	Test (by certified tester) within 1 month of CP system installation or system repair and every 3 years thereafter. Test within 1 month of any construction activities near the UST system. Submit results to ADEM (Form 545 - galvanic or Form 322 - impressed current) within 30 days of the testing. Retain testing records in the facility file for at least the last two tests (recommended to keep all results).
Rectifier for Impressed Current Systems	Every 60 Days	Inspect impressed current rectifier at least once every 60 days to verify proper operation. Retain records (Form 400) of the last 3 inspections in the facility file (recommended to keep the last 3 years of inspection results).

ENVIRONMENTAL COMPLIANCE CALENDAR FOR ALDOT FACILITIES

Report / Requirement	Frequency	Description
Petroleum - UST Systems (continued)		
<i>Leak Detection for Tanks Installed on or after August 6, 2007</i>		
Interstitial Monitoring	Monthly	All USTs must be double wall with an interstitial space for leak detection monitoring. Monitor interstitial space and record results at least once every 30 days. Retain results for at least 1 year (3 years recommended). You may use additional leak detection methods but interstitial monitoring is required.
<i>Leak Detection for Tanks Installed before August 6, 2007</i>		
Interstitial Monitoring	Monthly	Monitor interstitial space and record results at least once every 30 days. Retain results in the facility file for at least 1 year (3 years recommended).
Inventory Control (Automatic Tank Gauge)	Daily	ATG and liquid level probe used to monitor product level and perform inventory control. Record water reading at least once per month. Monthly static test (0.2 gal/hr leak rate). Retain monthly print outs and leak test reports in the facility file for at least 1 year (3 years recommended).
ATG - CSLD	Continuous	ATG and liquid level probe used to monitor product level and perform inventory control for statistical analysis. Record water reading at least once per month. Monthly static test (0.2 gal/hr leak rate). Retain monthly print outs and leak test reports in the facility file for at least 1 year (3 years recommended).
Statistical Inventory Reconciliation (SIR)	Daily	Provide daily inventory data to SIR vendor at least once every 30 days. Submit 12-month summary to ADEM (Form 326) annually by January 31st. Retain results in the facility file for at least 1 year (3 years recommended).
Vapor Monitoring	Monthly	Monitor subsurface soil around the UST system for the presence of petroleum hydrocarbon vapors at least once every 30 days. Retain results in the facility file for at least 1 year (3 years recommended).
Groundwater Monitoring	Monthly	Monitor the groundwater table near the UST system for the presence of product floating on the water at least once every 30 days. Retain results in the facility file for at least 1 year (3 years recommended).
Manual Tank Gauging (only tanks 1,000 gallons or less)	Weekly	Manually gauge the product level in the tank at least once per week. Reconcile inventory weekly and at the end of every 4 weeks. Retain results in the facility file for at least 1 year (3 years recommended).
<i>Leak Detection for Pressurized Piping Installed on or after August 6, 2007</i>		
Interstitial Monitoring	Monthly	All product piping must be double wall with an interstitial space for leak detection monitoring. Monitor interstitial space and record results at least once every 30 days. Retain results in the facility file for at least 1 year (3 years recommended). You may use additional leak detection methods but interstitial monitoring is required.
<i>Leak Detection for Pressurized Piping Installed before August 6, 2007</i>		
Tightness Test	Annually	Line tightness test by certified tester every year. Submit test results to ADEM (Form 477) within 30 days of the test. Retain results in the facility file for at least 1 year (3 years recommended). <i>Instead of annual line tightness testing by a certified tester, you can use one of the other methods listed below...</i>
Interstitial Monitoring	Monthly	Monitor interstitial space and record results at least once every 30 days. Retain results in the facility file for at least 1 year (3 years recommended).
Electronic Line Leak Detector (2 choices)	Monthly Annually	ELLD to perform monthly 0.2 gal/hr leak test. Retain results in the facility file for at least 1 year (3 years recommended). This test is recommended over the annual ELLD test below. ELLD to perform annual 0.1 gal/hr leak test. Retain results in the facility file for at least 1 year (3 years recommended).
Statistical Inventory Reconciliation (SIR)	Daily	Provide daily inventory data to SIR vendor at least once every 30 days. Submit 12-month summary to ADEM (Form 326) annually by January 31st. Retain results in the facility file for at least 1 year (3 years recommended).
Vapor Monitoring	Monthly	Monitor subsurface soil around the UST system for the presence of petroleum hydrocarbon vapors at least once every 30 days. Retain results in the facility file for at least 1 year (3 years recommended).
Groundwater Monitoring	Monthly	Monitor the groundwater table near the UST system for the presence of product floating on the water at least once every 30 days. Retain results in the facility file for at least 1 year (3 years recommended).

ENVIRONMENTAL COMPLIANCE CALENDAR FOR ALDOT FACILITIES

Report / Requirement	Frequency	Description
Petroleum - UST Systems (continued)		
<i>Other</i>		
Mechanical Line Leak Detector	Annually	Certified tester to test each MLLD on an annual basis. Submit MLLD test results to ADEM (Form 551) within 30 days of the test. Retain results in the facility file for at least 1 year or until the next test is conducted (3 years is recommended).
Spill Bucket Testing	Every 3 Years 30 days	Hydrostatic or vacuum testing once every 3 years. Submit test result to ADEM (Form 20) within 30 days of the test. Hydrostatic or vacuum testing upon repair or replacement of any spill bucket. Submit test result to ADEM (Form 20) within 30 days of the test.
Sumps and Under Dispenser Containment Inspections	Annually	Formal inspection on an annual basis for STP sumps, UDC, and any other containment sumps. Must check sump sensors and penetration boots if the sump is used to meet leak detection requirements. Retain results in the facility file for at least 1 year (3 years recommended).
UST Operator Training		
Class A & Class B Operators	Within 30 Days	Class A and Class B Operators must be trained within 30 days after assuming operation and maintenance responsibilities for the UST system. Training must be conducted by an ADEM approved trainer. Personnel must successfully pass an examination for their classification level. Retain results in the facility file for entire employment. Re-training not required unless UST violation is issued by ADEM.
Class C Operators	Immediately	Train Class C Operators before assuming responsibility for UST system emergencies. Class C Operators may be trained by ALDOT Class A and Class B Operators. Retain results in the facility file for entire employment.

**ALDOT MS4 Support Facility Annual Inspections:
Fiscal Year 2016**

Facility Name	Inspection Date(s)	Summary of Observed Deficiencies
Central Office Complex	12/14/15; 12/15/15	See attached forms for "Maintenance Bureau," "Materials and Tests Bureau," "Equipment Bureau," and "Alabama State Motor Pool."
Huntsville District Office	05/12/16	Annual leak detector, fill port inspection, and sump inspection testing not conducted or on file.
Gadsden District Office	04/05/16	Annual leak detector, fill port inspection, and sump inspection testing not conducted or on file.
Tuscumbia Area Office	08/31/16	None.
Tuscumbia District Office	08/31/16	None.
Birmingham Area Office	07/19/16	None.
Birmingham District Office	07/19/16	None.
Calera District Office	09/29/16	None.
Anniston District Office	07/22/16	None.
Tuscaloosa Area Office	09/20/16	Batteries not dated. SPCC not updated within 5 years. ASTs not inspected on monthly basis. Submersible pump full of water.
Tuscaloosa District Office		
Speigner District Office	08/16/16	None.
Montgomery Area Office	12/14/15	See attached form for "ALDOT Southeast Region – Montgomery, District 3 Complex."
Montgomery District Office		
Dothan District Office	05/10/16	None.
Mobile Area Office	09/13/16	None.
Mobile District Office	09/13/16	None.
Tunnel Office	09/13/16	None.

Date: December 15, 2015

Location	Reason of Concern	Regulation Reference	Recommendation	Item Corrected During Audit		Repeat Finding	
				Yes	No	Yes	No
Sign Shop	SDSs were not available for Trufuel and MP Lithoplex Grease	MP	Maintain SDSs for all chemicals used in the facility	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bridge Warehouse	Documentation of universal waste training could not be provided	ADEM Rule 335-14-11-.02 (7)	Conduct training for employees responsible for handling universal waste, and maintain documentation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Date: December 14, 2015

Location	Reason of Concern	Regulation Reference	Recommendation	Item Corrected During Audit		Repeat Finding	
				Yes	No	Yes	No
Nuclear Lab	Box of used batteries not closed. One used battery on the floor, outside of the box.	ADEM Rule 335-14-11-.02 (4)(a)1	Containers holding used batteries should be kept securely closed except when adding or removing batteries.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Multi	No SDSs could be provided for: Chem Lab Rm 14 - IRM 903 Oil Chem Lab Rm 11 - 2-Octanol Soils Lab Rm 56 - Chuck Rel. Sol'n Physical Lab - Pneumatic Lub. Oil Nuclear Lab - Liquid Wrench		Maintain SDSs for each chemical used in the labs. Note: Corrected for Chemical Lab and Physical Lab	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Liquid Asphalt Lab	One 5-gallon bucket of waste MC-30 was dated, but had not been moved to the storage locker.	ADEM Rule 335-14-3.03 (5)(a)2 and 3	Containers in satellite accumulation should not be dated. These containers should be moved to the storage locker.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chemical Lab Room 1,5	One 1-gallon container of waste diesel dated 1-7-15.						
Chemical Lab	One container of waste diphenylcarbozone was not labeled with the hazardous waste code.	MP	Complete entire hazardous waste label, except for the date, for all containers in satellite accumulation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Date: December 14, 2015

Location	Reason of Concern	Regulation Reference	Recommendation	Item Corrected During Audit		Repeat Finding	
				Yes	No	Yes	No
Chemical Lab Room 11	Containers of haz waste discovered during renovations of the building were placed on a counter. Containers were not dated, and were being considered to be in satellite accumulation.	ADEM Rule 335-14-3.03 (5)(a)2 and 3	The containers do not fit the definition of satellite accumulation and should be moved to the hazardous waste storage locker.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Loading Dock Cleaning closet Physical Lab	one 55-gal drum liquid asphalt and one 55-gal blue drum not labeled. one unlabeled spray bottle one unlabeled spray bottle	MP	All containers should be labeled.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parking Lot	The cardboard recycling roll-off was overfull, and boxes were piling up on the ground.	MP	Schedule pickup of recyclables frequently enough to prevent the roll-off from overfilling.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Date: December 15, 2015

Location	Reason of Concern	Regulation Reference	Recommendation	Item Corrected During Audit		Repeat Finding	
				Yes	No	Yes	No
Janitor closet	One unlabeled spray bottle containing PineSol	MP	Label all containers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Equipment Yard	One unlabeled pump sprayer with blue fluid, one pump sprayer labeled as bleach, but contained blue fluid. Both contained tire shine	MP	Label all containers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Central Complex	The SPCC Plan was amended to reflect the current ASTs on the facility. The Plan was not re-certified by a Professional Engineer.	40 CFR 112.3 (d)	A Professional Engineer should re-certify the SPCC Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Date: December 14, 2015

Location	Reason of Concern	Regulation Reference	Recommendation	Item Corrected During Audit		Repeat Finding	
				Yes	No	Yes	No
Motor Pool	The facility has not submitted an ADEM Form 8700-12.	ADEM Rule 335-14-17-.03 (3).	Submit Form 8700-12 annually to notify ADEM of used oil generation status.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Motor Pool	Facility could not provide records of oil pickups.	MP	Facility should keep records of all used oil pickups for a minimum of three years	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Motor Pool	One drum of used oil was not covered or labeled.	ADEM Rule 335-14-17-.03 (4)(a)(1) and (c)	Containers of used oil must be kept closed except when adding or removing used oil. Used oil containers must be labeled with "used oil".	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Motor Pool	Used batteries are not labeled or dated.	ADEM Rule 335-14-11-.02 (5)(a) and 335-14-11-.02 (6)(c)	Universal waste batteries must be labeled with "Used Batteries" or "Waste Batteries" or "Universal Waste - Batteries". Documentation must be provided to show how long universal waste has been in storage.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Date: December 14, 2015

Location	Reason of Concern	Regulation Reference	Recommendation	Item Corrected During Audit		Repeat Finding	
				Yes	No	Yes	No
Motor Pool	No documentation was provided for training of employees on Universal Waste handling.	ADEM Rule 335-14-11-.02 (7)	Train affected employees on Universal Waste Handling, and maintain documentation of the training.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Motor Pool	The facility amasses more than 10 scrap tires per year, but has not registered as a Receiver. Facility has not complied with regulatory requirements for a Receiver.	ADEM Rule 335-4-3-.01(3)	The facility should register as a Scrap Tire receiver and comply with the applicable requirements.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Motor Pool	The facility has not registered the used oil underground storage tank, nor has it conducted any leak detection testing of the tank.	ADEM 335-6-15-.13	Register the used oil UST, and begin required leak detection testing.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Motor Pool	Facility could not provide documentation that City has approved discharge of vehicle wash water.	MP	The facility should contact the Montgomery Water Works and Sanitary Sewer Board to get permission to discharge the vehicle wash water.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Date: December 14, 2015

Location	Reason of Concern	Regulation Reference	Recommendation	Item Corrected During Audit		Repeat Finding	
				Yes	No	Yes	No
Motor Pool	One drum of used antifreeze was not labeled.	MP	Label all containers.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Motor Pool	The facility had not submitted Tier I/II Reports.	40 CFR 370.20(b) and 40 CFR 370.25	Submit required Tier II reports not later than March 1st of each year.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Motor Pool	Documentation of GHS training was not provided.	29 CFR 1910.1200	Conduct and document required training.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Date: December 14, 2015

Location	Reason of Concern	Regulation Reference	Recommendation	Item Corrected During Audit		Repeat Finding	
				Yes	No	Yes	No
ITS	One box of used fluorescent bulbs was not properly closed. Additionally, the box was not dated as to when the first bulb was placed in the box.	ADEM Rule 335-14-11-.02 (4)(d)1, and 14-11-.02(6)(c).	Keep boxes of used bulbs securely closed. Date the box of used bulbs on the date the first used bulb is placed in it.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Warehouse	One box of used fluorescent bulbs was not properly closed.	ADEM Rule 335-14-11-.02 (4)(d)1	Keep boxes of used bulbs securely closed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SE AOR	The list of District offices transporting scrap tires to the facility is missing one location. The registration application was not in the Operating Record.	ADEM Rule 335-4-5-.04(a) 2	Add the missing District to the list of facilities transporting scrap tires. Locate the registration application and place in the Operating Record	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SE AOR and Materials & Tests	The SPCC Plan was amended to reflect the current ASTs on the facility. The Plan was not re-certified by a Professional Engineer.	40 CFR 112.3 (d)	Obtain certification from a Professional Engineer	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Date: December 14, 2015

Location	Reason of Concern	Regulation Reference	Recommendation	Item Corrected During Audit		Repeat Finding	
				Yes	No	Yes	No
Auto Shop	One 55-gallon drum of lubricant was not provided sufficient secondary containment.	40 CFR 112.8 (c)(2)	Place drum of lubricant on a spill containment pallet that has at least a 55-gallon capacity.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Auto Shop	The facility does not have a pretreatment permit for the discharge of wash water in the Auto Shop.	NA	A letter should be maintained in the operating record from the City of Montgomery giving permission to discharge vehicle wash water to the sanitary sewer system.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Auto Shop Heavy Equip Shop	One unlabeled spray bottle One unlabeled spray bottle of tire lubricant	NA	Label all containers as to their contents.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hurricane Bldg Paint Whse	Two 5-gallon buckets labeled as containing recyclables actually contained paint. One 5-gallon steel bucket of WD-40 was open.	NA	Label all containers as to their contents.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Date: December 14, 2015							
Location	Reason of Concern	Regulation Reference	Recommendation	Item Corrected During Audit		Repeat Finding	
				Yes	No	Yes	No
ITS Warehouse	One spray bottle, and one 1-gallon jug were unlabeled.	NA	Label all containers as to their contents.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Auto Shop Warehouse	No SDS available for Tank Tonic. No SDS available for Bar & Chain Oil.	29CFR1910.1200	Maintain SDSs for each chemical used.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
District Yard	Street cleaning/drainage debris is stockpiled on ground surface pending later disposal at a landfill.	MP	Place in roll-off, or other location where it is not exposed to stormwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Auto Shop	A used anti-freeze container was being used to store water.	MP	Avoid storing water in used chemical containers.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



ALABAMA DEPARTMENT OF TRANSPORTATION

1409 Coliseum Boulevard
P.O. Box 303050
Montgomery, Alabama 36130-3050



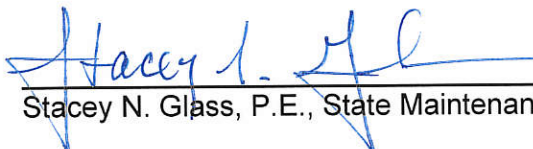
Robert Bentley
Governor

April 7, 2016

John R. Cooper
Transportation
Director

MEMORANDUM

TO: Johnny L. Harris George H. Conner
DeJarvis Leonard Vincent E. Calametti
James D. Brown

FROM: 
Stacey N. Glass, P.E., State Maintenance Engineer

ATTN: Maintenance Engineers

RE: NPDES General Pesticide Permit / Post Application Surveillance

Part IV (B) of NPDES permit # ALG870020 states that all Operators covered under the permit must conduct visual monitoring of the area in and around where pesticides are applied for possible and observable adverse conditions caused by the application of pesticides. The Permit makes reference to visual monitoring conducted during and after the application. It also states that if post-application visual monitoring is not conducted, the Operator must document, in detail, the reason why.

Since June 2012 and through the end of the 2015 calendar year ALDOT has conducted post surveillance activity on all pesticide applications without finding a single adverse incident related to those pesticide applications. During that time, ALDOT has conducted 10,214 surveillance activities (some surveillance activities have included multiple applications) at a cost of \$1,402,654.62.

As stated above, since the Permit coverage began ALDOT has not had a pesticide related adverse incident and, given our program guidelines and the training provided to all individuals involved in our program, does not expect to have one. Additionally, when considering the dilute solutions that ALDOT applies, if there were to be an incident it would be minor in detail and should not present a significant impairment to the environment.

For the above reasons and the fact that the post application monitoring has provided no observable environmental benefits, ALDOT believes the expenditure to continue the post surveillance activity on all applications is not the best use of our limited funding for maintenance activities. Post application surveillance will be conducted for all applications made on or before April 30, 2016; after that date post application surveillance will be conducted according to the following guidelines:

Each District will conduct spot surveillances based upon the number of herbicide applications made each month by the respective location; priority should be given to those applications made around bridge ends and / or in close proximity to water (within 35 feet). The number of surveillances will be based upon the range of applications as follows:

- 1-12 applications would require 1 surveillance spot check
- 13-24 applications would require 2 surveillance spot checks
- 25 or more applications would require 3 surveillance spot checks

Surveillances must be completed 10-20 days after herbicide application.

Representatives of the Alabama Department of Environmental Management (ADEM) have clarified that "spot checks" are an acceptable means of visual monitoring. This clarification of the intent of the permit language will be included in the new permit, to be made effective later this year; we feel that this change will continue to allow ALDOT to protect the integrity of the environment and, at the same time, allow for better financial stewardship for the citizens of Alabama.

C: John E. Lorentson
Barry Fagan
Jim Barrentine
Mark Waits
Howard Peavey
File

**ALDOT MS4 Transportation Facility Maintenance:
Fiscal Year 2016**

MS4 AREA *	Snow & Ice Control (work reports)	Full-Width Litter Pickup (pass miles)	Spot Litter Pickup (work reports)	Cleaning Minor Drainage Structures (structures)	Repairing Minor Drainage Structures (work reports)	Erosion Control (work reports)
Anniston	11	1,202	117	52	10	4
Auburn / Opelika	0	15	28	0	1	0
Baldwin County	0	1,018	25	446	90	74
Dothan	0	179	223	145	22	8
Gadsden	23	0	240	77	23	7
Huntsville & Decatur	73	2,677	99	340	13	5
Jefferson / Shelby County	41	4,404	545	2,208	22	7
Mobile	0	2,475	26	425	79	23
Montgomery	2	4,636	159	325	39	33
Phenix City	0	16	29	0	2	0
Quad Cities	43	36	136	1	0	0
Tuscaloosa	14	94	170	138	27	7
TOTAL	207	16,752	1,797	4,157	328	168

* MS4 Area work amounts estimated using data corresponding to ALDOT Districts with which MS4 Areas intersect.

Appendix H:
Supplemental Material for Section II.H

ALDOT MS4 Monitoring Activities Summary:
Fiscal Year 2016

ALDOT MS4 Monitoring Activities Summary: Fiscal Year 2016

Introduction

This report summarizes the MS4 monitoring activities ALDOT performed during Fiscal Year 2016. These activities were motivated by the ALDOT MS4 Monitoring program, a component of the Stormwater Management Program (SWMP) required by the ALDOT MS4 Permit (NPDES Permit No. ALS000006) issued to ALDOT on March 21, 2013. The MS4 Monitoring program is explained in detail in Chapter 8 of the ALDOT SWMP Plan (SWMPP).

Monitoring Locations & Sonde Deployment

Per the SWMPP, a set of two continuous monitoring sondes is deployed to each of two selected monitoring locations in the State for a period of approximately six months. Once that study period is completed, the two sets of sondes are redeployed to different monitoring locations for another study period. This process continues until all six selected locations are studied.

Sondes were deployed to Halls Mill Creek in Mobile and D'Olive Creek in Daphne during FY 2015. However, ALDOT pursued a coordination opportunity with the City of Daphne that caused for a slight deviation in the standard monitoring approach with respect to D'Olive Creek. The City of Daphne had previously deployed a sonde at the downstream site of the monitoring location, so ALDOT only needed to deploy a sonde at the upstream site. Figure 1 and Figure 2 provide photographs of the upstream and downstream sondes as deployed at the Mobile and Daphne locations, respectively. Data collection was completed at the Mobile and Daphne locations during FY 2016. The outcomes of data collection in Mobile and Daphne are discussed in the next section.

Once data collection was completed at the Mobile and Daphne locations, sondes were deployed to Flint Creek in Hartselle and Flint River in Huntsville. In the version of the SWMPP dated September 30, 2015, and in the FY 2015 ALDOT MS4 annual report, ALDOT stated that Hurricane Creek in Tuscaloosa and Beaverdam Creek in Huntsville would be the monitoring locations studied following study in Mobile and Daphne. ALDOT decided to study Flint Creek and Flint River instead, owing to site suitability for sonde deployment. Data collection at these locations will be completed during FY 2017, and the results will be discussed in the MS4 annual report for FY 2017. The Hartselle and Huntsville locations are the final two locations to be studied during this term of the MS4 permit.

Figure 3 provides a map depicting all six monitoring locations studied during this permit term.



Upstream



Downstream

Figure 1. Sondes deployed at Halls Mill Creek in Mobile.



Upstream (deployed by ALDOT)



Downstream (deployed by City of Daphne)

Figure 2. Sondes deployed at D'Olive Creek in Daphne.

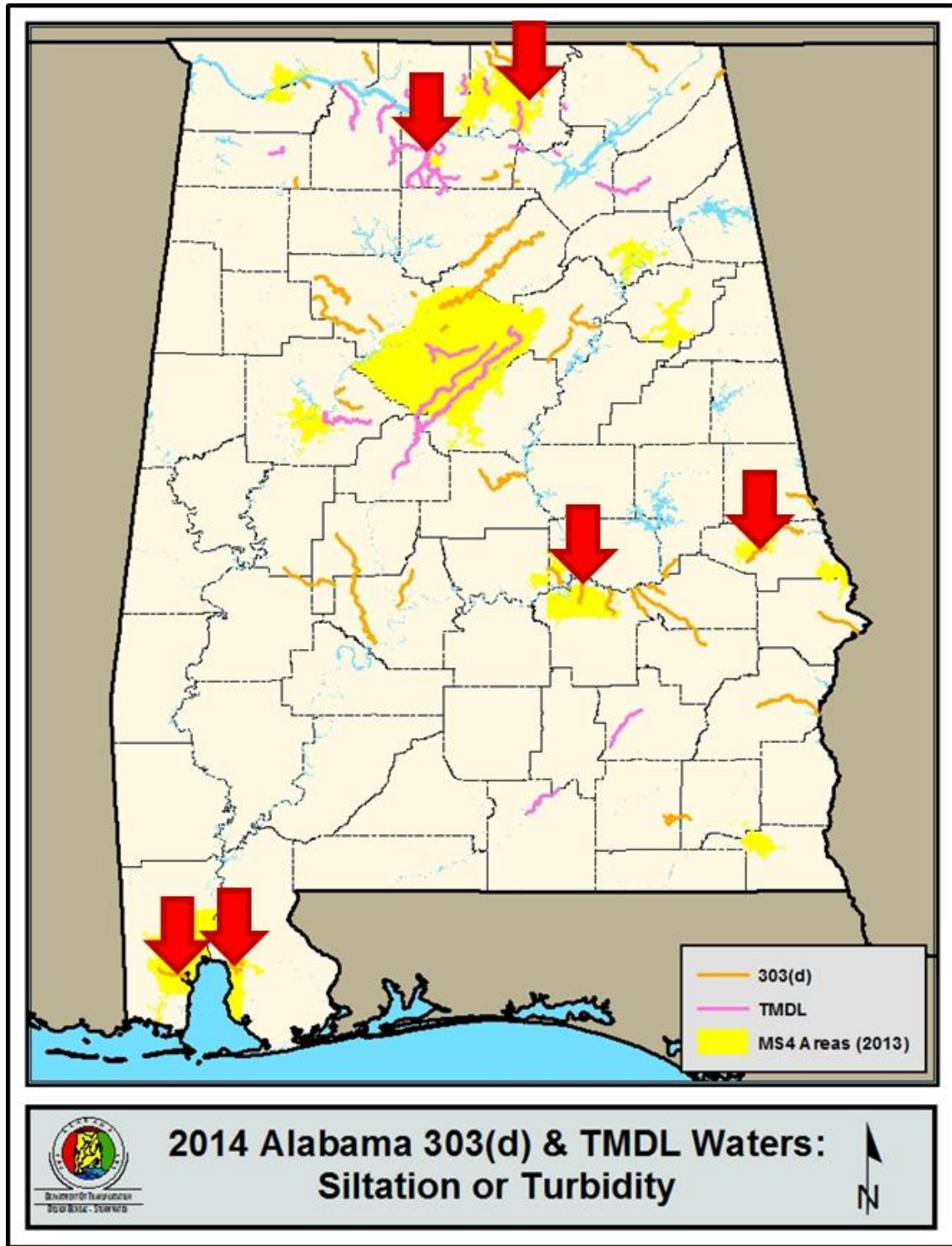


Figure 3. Selected MS4 monitoring locations for this MS4 permit term.

Outcomes of Data Collection

Generally, the turbidity data collected at the Mobile and Daphne locations conflicted with themselves in many instances. In other instances, turbidity measurements taken by the sondes seem to have been biased by external factors beyond ALDOT control (e.g., pooling at the sonde site, fouling of the sonde by debris in the stream, variable internal flow behavior of the stream, sediment loss upstream of ALDOT property). These observations are in line with those ALDOT made for the Montgomery (Three Mile Branch) and Auburn (Moores Mill Creek unnamed tributary) locations, which are discussed in the FY 2015 MS4 annual report.

The plot in Figure 4 provides hourly-averaged rainfall amounts and turbidity measurements taken by the upstream and downstream sondes at the Mobile monitoring location during December 2015. It illustrates well the conflicts and biases in data ALDOT has frequently encountered to date in this monitoring effort.

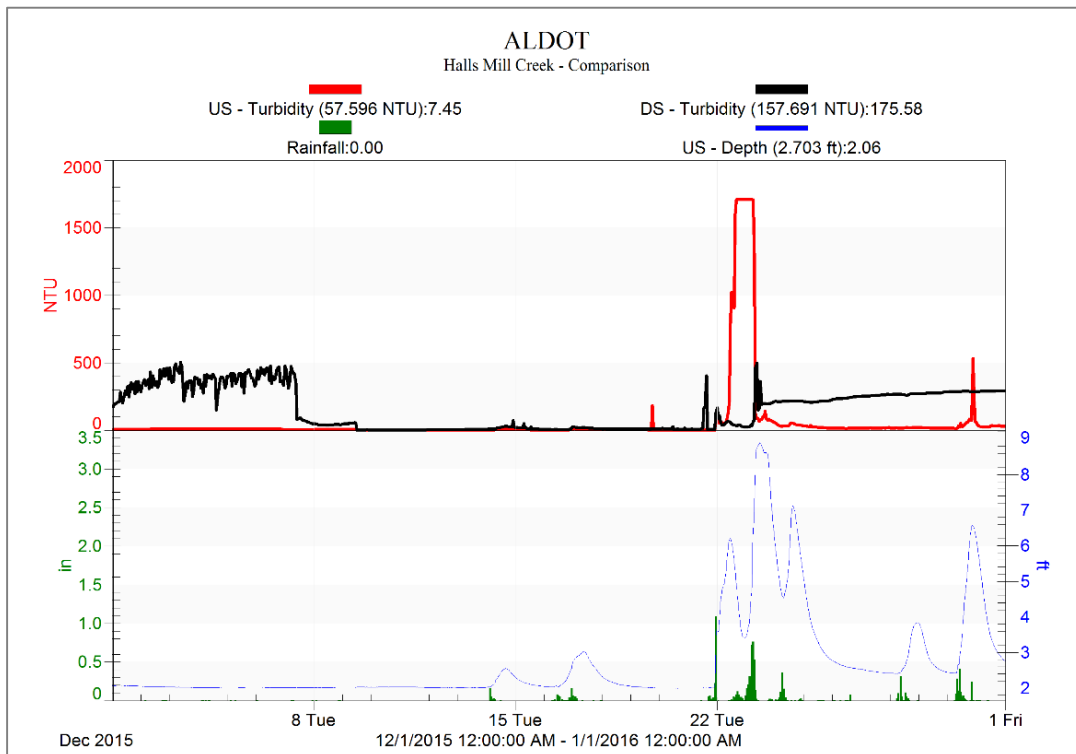


Figure 4. Turbidity measurements and rainfall amounts at the Mobile monitoring location during December 2015.

The plot shows several peculiar, somewhat discrete increases in upstream and downstream turbidity values. The most notable increase is with respect to the downstream measurements taken during the first week of the month. That increase and others are not associated with particular rain events, suggesting bias due to at least one external factor.

Also, the response in terms of turbidity measurements to the rain events occurring on December 22 and later is interesting. While there is a general increase in upstream turbidity associated with the initial rain events during the period in question followed by a general increase in downstream turbidity, the upstream and downstream turbidity curves do not appear correlated significantly. For instance, a day, approximately, of extremely elevated upstream turbidity values on or about December 23 corresponds to no significant change in downstream turbidity during that same time.

Concluding Remarks

In sum, ALDOT has found no definitive evidence from the monitoring work done through the end of FY 2016 that ALDOT is a significant contributor of sediment to waters receiving discharge from the ALDOT MS4. The conflicts and biases evident in the data collected and analyzed to date make it infeasible to draw definitive conclusions about any unique impacts of ALDOT MS4 discharges on receiving waters. ALDOT will continue attempting to manage the factors influencing the integrity of data collected at the Hartselle and Huntsville monitoring locations during FY 2017 in hopes of collecting more meaningful data.