

ADECA-OWR

Update

2023 ADEM Surface Water Meeting

October 17, 2023

Michael Harper and Mary Blackmon

ADECA Office of Water Resources



ADECA-OWR WATER MANAGEMENT STAFF

Vacant
OWR Division Chief

Tom Littlepage
Acting Division Chief

Michael Harper
Water Use Program
Coordinator

Mary Blackmon
Water Use
Engineer

Alabama Water Use Reporting Program Management Application (eWater) Upgrade

Background Information

- eWater is the cumulative term used to describe the various hardware and software tools and capabilities that support OWR's management of the Alabama Water Use Reporting Program



Reasons for Upgrading eWater

- Created in the 2002-2004 timeframe as a custom client-server application
- Supports a paper-based process and has no capability for external access
- Code is unable to be updated
- Various reviews have resulting in a determination that a complete code rewrite or new application was required

eWater Upgrade

- Replacement will consist of COTS solution (Laserfiche) with Alabama custom developed eWater portal
- Cost efficient
- Maintainable
- Will improve process efficiency.
- Estimated to take 2-3 years depending on funding.

The Laserfiche logo is displayed in white text on an orange rectangular background. The background has a subtle geometric pattern of overlapping triangles.

Laserfiche®

eWater 2.0



Water User/OWR Web Input such as DBU application and water-use reporting



Declaration of Beneficial Use
Alabama Water Use Reporting Program
(AN APPLICATION IS REQUIRED FOR EACH WITHDRAWAL OR INTERFERENCE)

**STATE OF ALABAMA
CERTIFICATE OF USE**
Alabama Water Use Reporting Program

Annual Water Use Report for 2012
Alabama Water Use Reporting Program

Calendar Year 2012	Average Withdrawal (gpd)	Peak Withdrawal (gpd)
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		

Development Progress eWater Portal

➤ Phase 1 efforts:

- A website, database, and Laserfiche application has been developed
- eWater Administration Portal is complete
- Laserfiche infrastructure complete
- Workflow processes, forms, and PDF templates completed
- eWater Portal is fully integrated with Laserfiche application

Development Progress eWater Portal (continued)

➤ Phase 2 is underway

- Enhanced GIS Integration
- Improved User Administration Functionality
- Guided External User Declaration of Beneficial Use (DBU) Application Process
- Guided External User Annual Reporting Process
- Development of User Training Videos
- Enhanced User Communication Capability
- Development of Data Reporting Platform
- Completion date – September 2024

eWater Portal

Register for access to eWater.

Create a new account or [Log in](#).

Email

Password

Confirm password

Password requirements

Minimum length should be at least eight (8) characters

Must include at least one special character (~!#\$%^&*)

Must include at least one upper case letter (A-Z)

Must include at least one number (0-9)

Must include at least one lower case letter (a-z)

Register

➤ Email based registration system

- Users will be able to use existing email accounts
 - Email associated with ADEM
- OWR will create initial accounts before launch and provide them to users

Glimpse of eWater Portal

- Looks like current paper DBU forms
- Collecting new information:
 - PWSID Number
 - NAICS Code
 - Subcategory
 - Primary County

Certificate Of Use General Information
COUR 1358 - MH Public DBU Validation Test No. 1 Public

State:

Assigned to:

Action: Yes No Subcategory:

NAICS Code: Primary County:

Public Water System Information

PWSID number:

Service Area

Please select all counties within service area.

Counties NOT in Service Area:

Counties IN Service Area:

Connection: Residential: Non-Residential:

Wastewater in this Service Area:

Water Treatment Facility (if applicable):

Owner Information

Information in the vertical is associated with the Owner of the Certificate of Use.

Owner name:

Address:

Address Line 2:

City: State: Zip:

Work phone: Cell: Fax:

Email:

Point of Contact Information

This is the necessary contact for this Certificate of Use.

First name: Last name: Middle name:

Last name: Title: Suffix:

Title:

Address:

Address Line 2:

City: State: Zip:

Work phone: Cell: Fax:

Email:

Glimpse of eWater Portal (cont.)

- Developing GIS mapping integration for populating location information
 - Will be available for all entity types (GW,SW,DC, and Bulk Sales and Purchases)

Groundwater Information

COU# 1358 - MH Public DBU Validation Test No. 1

Public

1

Withdrawal Name * 1

Active Yes No

Start Date * 08/01/2021

Well Depth (ft) * 2 Well Casing Depth (ft) 2

Pump Depth (ft) 2 Average Withdrawal (mgd) * 2.00

Pumping Capacity (gpm) * 200.00 Maximum Withdrawal (mgd) 0.29

Estimation Method Metered Worksheet Other

**Maximum Withdrawal = (Pump Capacity * 1440/1,000,000)

Location Information

Latitude 32.332070 Longitude -86.094219 [Map](#)

County * Montgomery

Groundwater Province East Gulf Coastal Plain [Select Province](#)

Click on the link on the right to select the Groundwater Province of the withdrawal

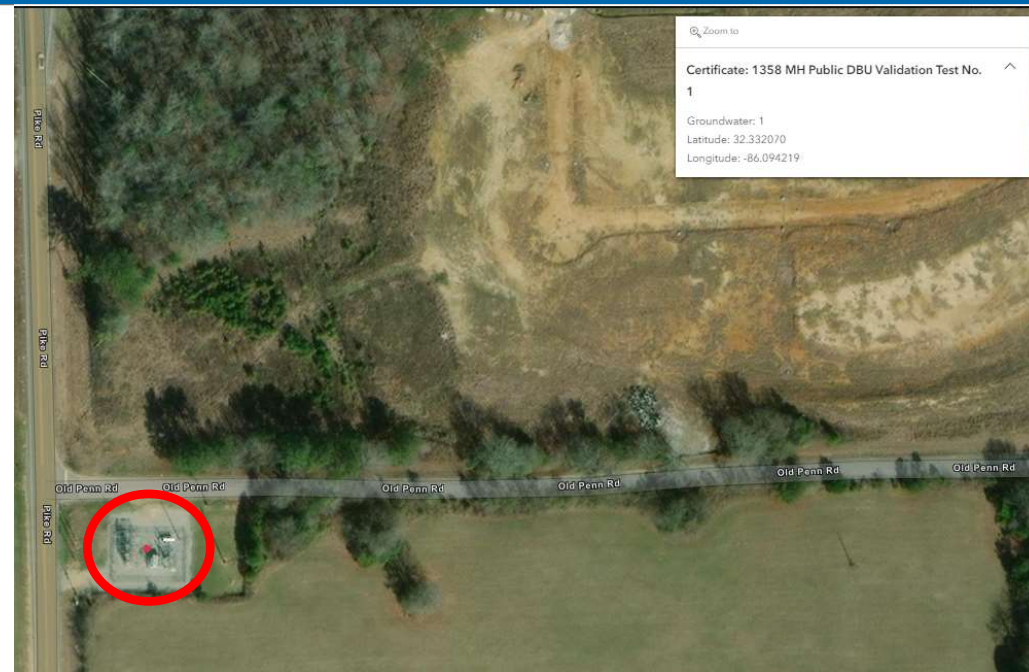
Aquifer Coastal Plain - Coker

River Basin 03150110 - Lower Tallapoosa [Select Basin](#)

Click on the link on the right to select River Basin of the withdrawal

Subbasin 031501100901 - Miller Creek-Tallapoosa River


Location Map * Choose file [Browse](#) [Generate](#)




Glimpse of eWater Portal (cont.)

Issued Certificates will be emailed to registered users after approval

Issuance of Certificate of Use (COU) # 1349.1 - 2


 laserfiche.notifications@OIT.alabama.gov
 To EWater 12/1/2022


 COU 1349_2 COU_20221201.pdf
 187 KB

Enclosed is the Certificate of Use, which has been issued based on data provided in the Declaration of Beneficial Use (DBU) you filed with the Office of Water Resources (OWR).

Each entity filing a Declaration of Beneficial Use is also required to submit annual water use reports. Each year, you will receive information from our office on how to submit your annual water use data to OWR. The information you provide is vital to maintaining a database that will enable the long-term planning and coordination of water resources in Alabama.



Each entity is also responsible for notifying the OWR of any changes in the data contained in the Declaration of Beneficial Use. If you need to amend your Declaration of Beneficial Use, please contact us.

Thank you for your support. If you have any questions or need further assistance, please contact the ADECA Office of Water Resources.

The Water Management Staff
 ADECA Office of Water Resources
 401 Adams Ave Suite 434
 Montgomery, Alabama 36104
 (334) 242-5499 (Office)
 (877) ALA WATER (Toll Free)
 (334) 242-0776 (Fax)

ewater@adeca.alabama.gov




STATE OF ALABAMA
PUBLIC CERTIFICATE OF USE 
 Alabama Water Use Reporting Program
 Certificate Number **1349.1**

2	
Owner Name	
2	
Address	
Address Line 2	
2	ALABAMA 22222
City	State Zip Code
Estimated Maximum Withdrawal Capacity:	<input type="text" value="0.000"/> Million Gallons/Day (mgd)
Estimated Average Annual Withdrawal:	<input type="text" value="0.000"/> Million Gallons/Year (mgy)

Water Use Reporting Requirement:



As a condition of this Certificate of Use, water use reports shall be submitted to the Office of Water Resources by March 31st of each year. The annual water use reporting form(s) shall contain water withdrawn, diverted, or consumed and tabulated for average daily use per month and peak day for the previous calendar year, and other data as deemed appropriate by the Office of Water Resources. The reporting forms shall be provided by the Office of Water Resources to the holder (or representative) of this Certificate of Use. Alternate reporting options must be reviewed and approved by the Office of Water Resources for appropriateness prior to submission.

Issued by the Office of Water Resources in accordance with the Alabama Water Resources Act, Code of Alabama 1975, Section 9-10B-19 and the Administrative Rules implementing the Alabama Water Use Reporting Program.

By: <i>Michael Harper</i>	Issued on:	<input type="text" value="Nov 30, 2022"/>
J. Brian Atkins, PE, Division Chief Office of Water Resources Alabama Department of Economic and Community Affairs	Last Revised on:	<input type="text" value="Dec 1, 2022"/>
	Certificate of Use EXPIRATION DATE:	<input type="text" value="Jan 1, 2032"/>

THE ISSUANCE OF THIS CERTIFICATE OF USE SHALL NOT CONFER OR MODIFY ANY PERMANENT INTERESTS OR RIGHTS IN THE HOLDER THEREOF TO THE CONTINUED USE OF THE WATERS OF THE STATE OF ALABAMA.

ADECA Office of Water Resources P.O. Box 5690 401 Adams Avenue Montgomery, AL 36103-5690 (334) 242-5499 Fax (334) 242-0776


STATE OF ALABAMA
PUBLIC CERTIFICATE OF USE 
 Alabama Water Use Reporting Program
 Certificate Number **1349.1**

Owner Name				
2				
Withdrawal				
Facility Name	Source (Aquifer, Water Body, etc.)	Maximum Capacity (mgd)	Average Use (mgy)	
Latitude	Longitude			
Groundwater				
			Groundwater Subtotals:	
			<input type="text" value="0.000"/>	<input type="text" value="0.000"/>
Surface Water				
			Surface Water Subtotals:	
			<input type="text" value="0.000"/>	<input type="text" value="0.000"/>
			Total Withdrawals:	
			<input type="text" value="0.000"/>	<input type="text" value="0.000"/>

DRAFT

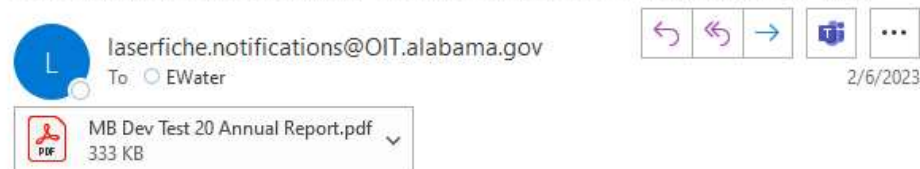
ADECA Office of Water Resources P.O. Box 5690 401 Adams Avenue Montgomery, AL 36103-5690 (334) 242-5499 Fax (334) 242-0776



Glimpse of eWater Portal (cont.)

- Annual Use Reporting reminders will be emailed out to users
 - Portal used for entering data
 - OWR will review the data electronically
 - Once accepted, OWR will email user with confirmation with PDF of annual use submitted to keep for record retention.

Submission of Annual Water Use Information for the Previous Year



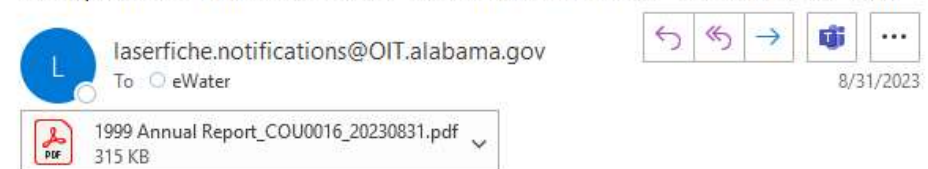
As one of the requirements for Certificate of Use (COU) 1356.0 - MB Dev Test 20, you are required to file water use reports each year. Please login to the ADECA eWater Portal <https://sdlctesttext.alabama.gov/ewater/> and provide the information requested for these reports by .

Thank you for your support. If you have any questions or need further assistance, please contact the ADECA Office of Water Resources.

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(334) 242-5499 (Office)
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(334) 242-0776 (Fax)
ewater@adeca.alabama.gov



Acceptance of Annual Water Use Information for the Previous Year



The ADECA Office of Water Resources has reviewed and accepted the submission of your annual water use report for 2021 for Certificate of Use (COU) 16.0 - International Paper Corporation - Courtland Mill. A copy of the report information is attached for your records.

Thank you for your support to this program. This information is vital in helping Alabama better understand water usage to support water resource assessments and future planning efforts. If you have any questions or need further assistance, please contact the ADECA Office of Water Resources.

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ewater@adeca.alabama.gov



Glimpse of eWater Portal (cont.)

Annual Use

Annual Usage Home

COU# 1358 - **MH Public DBU Validation Test No. 1**

Public

Groundwater

Annual Usage

0 of 4 Completed

Enter Usage

Surface Water

Annual Usage

0 of 4 Completed

Enter Usage

Discharge

Annual Usage

0 of 4 Completed

Enter Usage

Bulk Sales

Annual Usage

0 of 4 Completed

Enter Usage

Bulk Purchases

Annual Usage

0 of 4 Completed

Enter Usage

Contact Information

Annual Reporting

Update

Glimpse of eWater Portal (cont.)

Annual Use

- User can enter data directly into portal
- Allows for user to enter previous years data or any missing year data
- Advanced error checking
 - Checks that Average and Peak Withdrawal is less than Maximum Withdrawal Capacity on COU
 - Checks that the Average Withdrawal is less than the Peak Daily Withdrawal

Groundwater Annual Usage

COU# 1358 - **MH Public DBU Validation Test No. 1**

1

Year: 2021

Status: Not Submitted

	Daily Average by month in Million Gallons per Day (mgd)	Peak Day in Million Gallons per Day (mgd)
January	<input type="text" value="2"/> <small>Average must be less than the Maximum Withdrawal 0.288</small>	<input type="text" value="5"/> <small>Peak must be less than the Maximum Withdrawal 0.288</small>
February	<input type="text"/>	<input type="text"/>
March	<input type="text"/>	<input type="text"/>
April	<input type="text"/>	<input type="text"/>
May	<input type="text"/>	<input type="text"/>
June	<input type="text"/>	<input type="text"/>
July	<input type="text"/>	<input type="text"/>
August	<input type="text"/>	<input type="text"/>
September	<input type="text"/>	<input type="text"/>
October	<input type="text"/>	<input type="text"/>
November	<input type="text"/>	<input type="text"/>
December	<input type="text"/>	<input type="text"/>

Benefits to Upgrading

External access
to information

Ability to apply
and register (or
modify) online

Online Annual
Use Reporting

Eliminates
paper-routing

Improved data
quality

Enhanced data
analysis

Improved
reports and
data summaries

Improved
customer
efficiency

Summary

➤ eWater 2.0 will

- Provide long term support for the management of the Water Use Program
- Improve the quality of the data
- Allow external Certificate holders access to information and data
- Improve efficiency and customer support

Drought Planning and Response

Alabama Drought Planning & Response Act (Act 2014 – 400)

Alabama Drought Planning and Response Act
Code of Alabama, 9-10C-1 through 9-10C-10

Section 9-10C-1

Short title.

This chapter may be known and cited as the Alabama Drought Planning and Response Act.
(Act 2014-400, §1.)

Section 9-10C-2

Definitions.

As used in this chapter, the following words shall have the following meanings:

- (1) ADAPT. The Alabama Drought Assessment and Planning Team as created by this chapter.
- (2) ADECA. The Alabama Department of Economic and Community Affairs.
- (3) ADCNR COMMISSIONER. The Commissioner of the Alabama Department of Conservation and Natural Resources.
- (4) ADEM DIRECTOR. The Director of the Alabama Department of Environmental Management.
- (5) AEMA DIRECTOR. The Director of the Alabama Emergency Management Agency.
- (6) ALABAMA ADJUTANT GENERAL. The Commanding General of the Alabama National Guard.
- (7) AGI COMMISSIONER. The Commissioner of the Alabama Department of Agriculture and Industries.
- (8) COMMUNITY PUBLIC WATER SYSTEM. A public water system which serves at least 15 service connections used by year-round residents or regularly serves at least 25 year-round residents.
- (9) DROUGHT CONSERVATION PLAN. A written plan that addresses graduated drought response procedures with implementation of specific measures based on drought severity. The drought conservation plan may be a separate plan or a component of a broader emergency response plan.
- (10) DROUGHT DECLARATION. A written summary, issued by OWR, containing a description of drought conditions throughout the state.
- (11) DROUGHT EMERGENCY. A written declaration by the Governor that drought conditions in all or any part of the state are of such severity that public health or safety is threatened.

Page 1 of 7

**(NOTE: This copy is provided for informational purposes but should not to be considered as an official version of the Alabama Drought Planning and Response Act. An official copy can be found in the Code of Alabama, Annotated, 1975, §9-10C-1, et seq.)

- Signed on April 9, 2014
- Codified in Code of Alabama as § § 9-10C-1, et seq.

Legislative Acts Details

ACT NUMBER 2014 - 400	
Number	H - 49
Type	Regular
Subject	General
Author	BOOTHE
Committee	AL DROUGHT ASSESS TEAM
Title	CODIFY ESTABLISHMENT OF
Where	STATE OF AL
Description	Codify establishment of the AL Drought Assessment and Planning Team created by Exec Order # 19
Governor	Yes
Effective Time	4-9-2014 1:02 PM
Enacted Time	4-9-2014 4:14 PM

OWR Drought Regulations

Economic and Community Affairs (ADECA) Chapter 305-7-13

ALABAMA DEPARTMENT OF ECONOMIC AND COMMUNITY
OFFICE OF WATER RESOURCES

CHAPTER 305-7-13
DROUGHT PLANNING AND RESPON

TABLE OF CONTENT

305-7-13-.01	Purpose
305-7-13-.02	Applicability
305-7-13-.03	Definitions
305-7-13-.04	State Drought P
305-7-13-.05	Organization P
305-7-13-.06	Drought Decl
305-7-13-.07	Community P Conservat
305-7-13-.08	Reportir Restri Publi Rul
305-7-13-.09	Rul

305-7-13-.01 this chapter is to
provide procedu of the Alabama Drought
Assessment the publication of a State
Drought P nity public water system
drought measures for reporting voluntary
and mar uctions by community public
water s for the issuance of Drought
Decl sulemaking.
Aut
S of Ala. 1975, §§9-10C-1 et seq.
d May 17, 2016; effective July 1, 2016.

Applicability. These regulations are applicable
public water systems. They require all
water systems to develop and provide a drought
an and report required drought response activities
that plan in accordance with the requirements of

m Littlepage

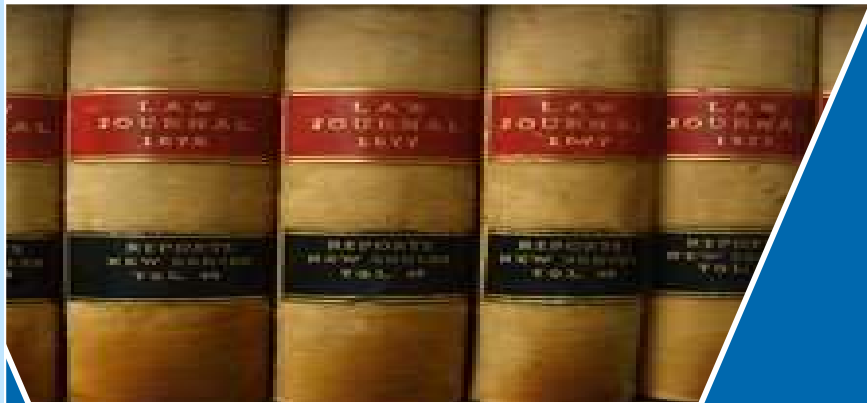
Authority: Code of Ala. 1975, §§9-10C-1 et seq.

His New Rule: Filed May 17, 2016; effective July 1, 2016.

- Implementation of Drought Planning & Response Act
- Focus:
 - State drought plan criteria
 - ADAPT/MIG operating procedures
 - State drought declaration process
 - Establishes requirement for drought conservation plan but allows for use of existing plans if they address drought response
 - Establishes reporting requirements for public water systems

Alabama Drought Management Approach

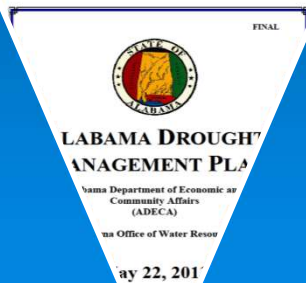
Level of Procedural Detail



➤ Drought Act provides broad overview of drought management policies, priorities, structures, processes, and agency responsibilities



➤ Drought regulations provide more detailed information on specific procedures and responsibilities for drought reporting and publication of Alabama Drought Plan



➤ Alabama Drought Plan provides specific criteria on drought declarations, drought reporting information and format, and meeting procedures

FINAL



ALABAMA DROUGHT MANAGEMENT PLAN

Alabama Department of Economic and
Community Affairs
(ADECA)

Alabama Office of Water Resources

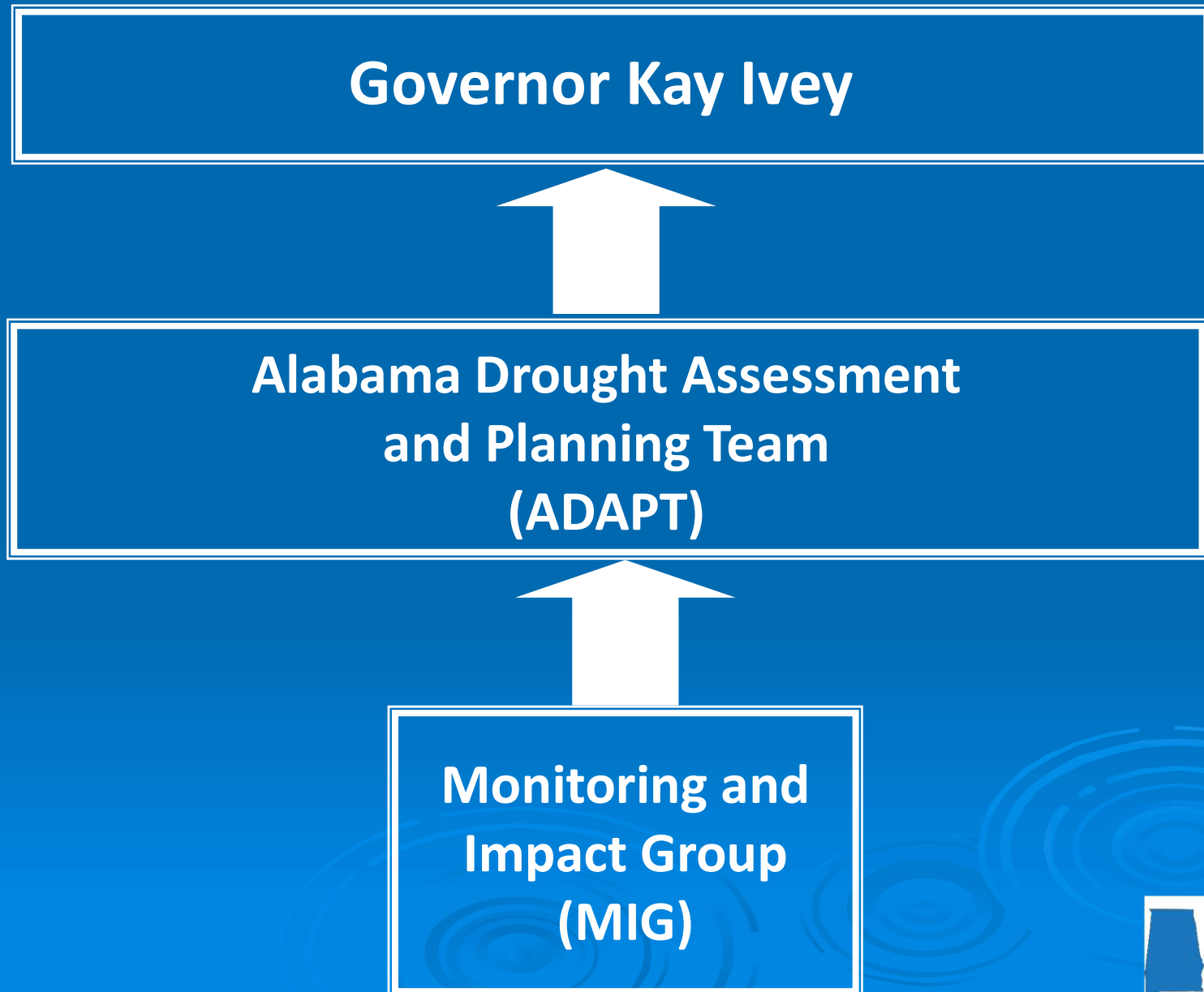
November 30, 2018



Alabama Drought Plan History

- Plan provides the basic operating guidelines for responding to droughts
- Last revised on November 30, 2018
- Required review every five years in accordance with the Alabama Drought Planning and Response Act

Alabama Drought Planning Structure



Alabama Drought Planning Structure

Alabama Drought Assessment and Planning Team (ADAPT)

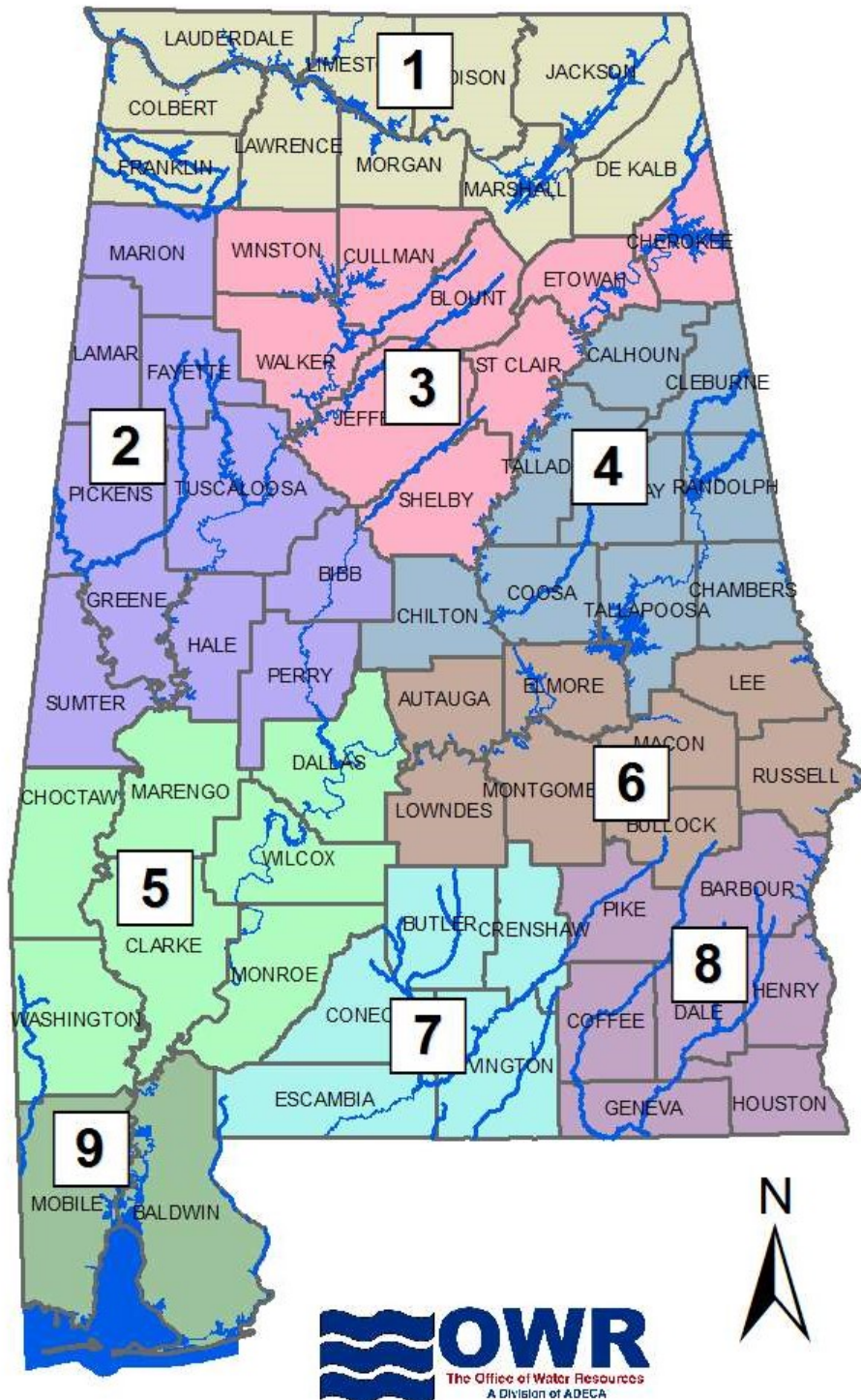
- Senior advisory body to the Governor and OWR
- Composed of key state and federal agencies and Governor's appointees
- Receive inputs from OWR, MIG, and others
- Focal point for coordination of governmental drought responses



Monitoring and Impact Group (MIG)

- Develop triggers and indicators of drought
- Collect climatic, meteorological, stream flow, groundwater, reservoir, soil moisture, and impact data
- Perform data analysis
- Make recommendations based on data analysis
- Assess the potential and real impacts of drought
- Develop mitigation recommendations

Alabama Drought Planning Regions



Reservoir Drought Operations

➤ Corps of Engineers

- ACT Master Water Control Manual
- ACF Master Water Control Manual



➤ Tennessee Valley Authority

- Reservoir Operations System



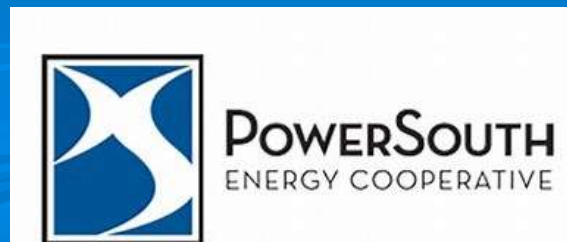
➤ Alabama Power Company

- Alabama Drought Response Operations Proposal (ADROP)



➤ PowerSouth

- Conecuh River below Point A Dam



Local Level Planning

➤ Key aspects for water utilities:

- Requirement for local Drought Conservation Plan
- Reporting to OWR upon activation (or deactivation) of plan

➤ Examples of Drought Conservation Plan or and emergency action plan details:

- Identification of drought region(s)
- Tiered levels of response actions to reduce water usage
- A means of implementation and enforcement
- Procedures for regulating compliance with the plan
- How customers will be informed
- Designation of staff responsible for notifying OWR
- Procedure for variances

Drought Plan Update Process

- Drafts were distributed to MIG members including: AWRC / State Climatologist / TVA / Alabama Power / PowerSouth / SWCC / GSA / ADEM
- OWR has received comments from MIG for proposed revisions
- Monthly updates are provided to the MIG group as proposed revisions are evaluated
- Once approved by the MIG group, the revised Drought Plan will be submitted to ADAPT for approval
- Your comments are welcome and encouraged

Drought Management Plan

➤ Current plan can be found at

<https://adeca.alabama.gov/drought/alabama-drought-plan/>

The screenshot displays the ADECA website's navigation and content. The header includes the ADECA logo and a menu with links for About, Divisions, Newsroom, Grants, Programs A-Z, and Contact. The breadcrumb trail reads "ADECA / Drought Planning and Management / Alabama Drought Information Center".

Left Sidebar:

- OWR
 - OWR Homepage
- Drought Planning and Management**
 - Homepage
- Drought Declarations
- GIS Drought Data Portal
- Alabama Drought Planning Organizational Structure
- Alabama Drought Management Plan
- Alabama Drought Information Center**
- Water Conservation

Main Content Area:

Alabama Drought Information Center

The following information contains links to relevant drought condition indicators and other information. For specific information related to how these indicators are used in Alabama's drought planning and response process, please refer to the [Alabama Drought Plan](#).

OWR GIS Mapping Portal

OWR is using GIS tools and technology to help better understand and display water resources and drought-related information. To access the portal, [click here](#).

US Drought Portal (Drought.Gov)

For information related to national drought conditions, resources, and information, [click here](#).

Public Water System Drought Planning Resources

The following information is provided to help local public water systems and providers with drought planning and response activities.



Release Date: October 11, 2023



For Public Dissemination Alabama Drought Declaration

In accordance with the Alabama Drought Planning and Response Act (Code of Ala. 1975, §9-10C-1, et seq.) and the Alabama Drought Management Plan, the ADECA Office of Water Resources (OWR), based on a review of current and anticipated conditions, has declared the following portions of Alabama to be under the specified drought declaration levels.

Declaration Level

Emergency	None
Warning	Drought Regions 7, 9, and portions of 5 and 8 which include the counties of: Baldwin, Butler, Clarke, Conecuh, Covington, Crenshaw, Escambia, Geneva, Mobile, Monroe, Washington, and Wilcox
Watch	Drought Regions 1, 2, 3, and portions of 5 and 8 which include the counties of: Barbour, Bibb, Blount, Cherokee, Choctaw, Coffee, Colbert, Cullman, Dale, Dallas, DeKalb, Etowah, Fayette, Franklin, Greene, Hale, Henry, Houston, Jackson, Jefferson, Lamar, Lauderdale, Lawrence, Limestone, Madison, Marengo, Marion, Marshall, Morgan, Perry, Pickens, Pike, Shelby, St.Clair, Sumter, Tuscaloosa, Walker, and Winston
Advisory	Drought Regions 4 and 6 which include the counties of: Autauga, Bullock, Calhoun, Chambers, Chilton, Clay, Cleburne, Coosa, Elmore, Lee, Lowndes, Macon, Montgomery, Randolph, Russell, Talladega, and Tallapoosa
None	None



Drought conditions are continuing to expand across the entire state of Alabama as precipitation deficits continue to climb. As a result, Drought Region 9 remains in a Warning status. The Warning status has been expanded into region 7 and parts of regions 5 and 8. Drought Regions 1, 2, 3, and parts of Drought Regions 5 and 8 have been upgraded to a Drought Watch. Drought Regions 4 and 6 are still classified as Drought Advisory. OWR will continue monitoring our water resources and update this Declaration as needed.

Water managers are urged to carefully monitor conditions and encourage the wise and efficient use of our water resources. Public water system customers are encouraged to follow their local water system's recommendations regarding water use. All other water users should make prudent decisions on their water use to protect available resources.

For further information, please visit our web site at water.alabama.gov and follow the links for Drought Planning and Management. You may also reach our office at (334) 242-5499, fax at (334) 242-0776, or e-mail at water@adeca.alabama.gov.

Current Alabama Drought Declaration

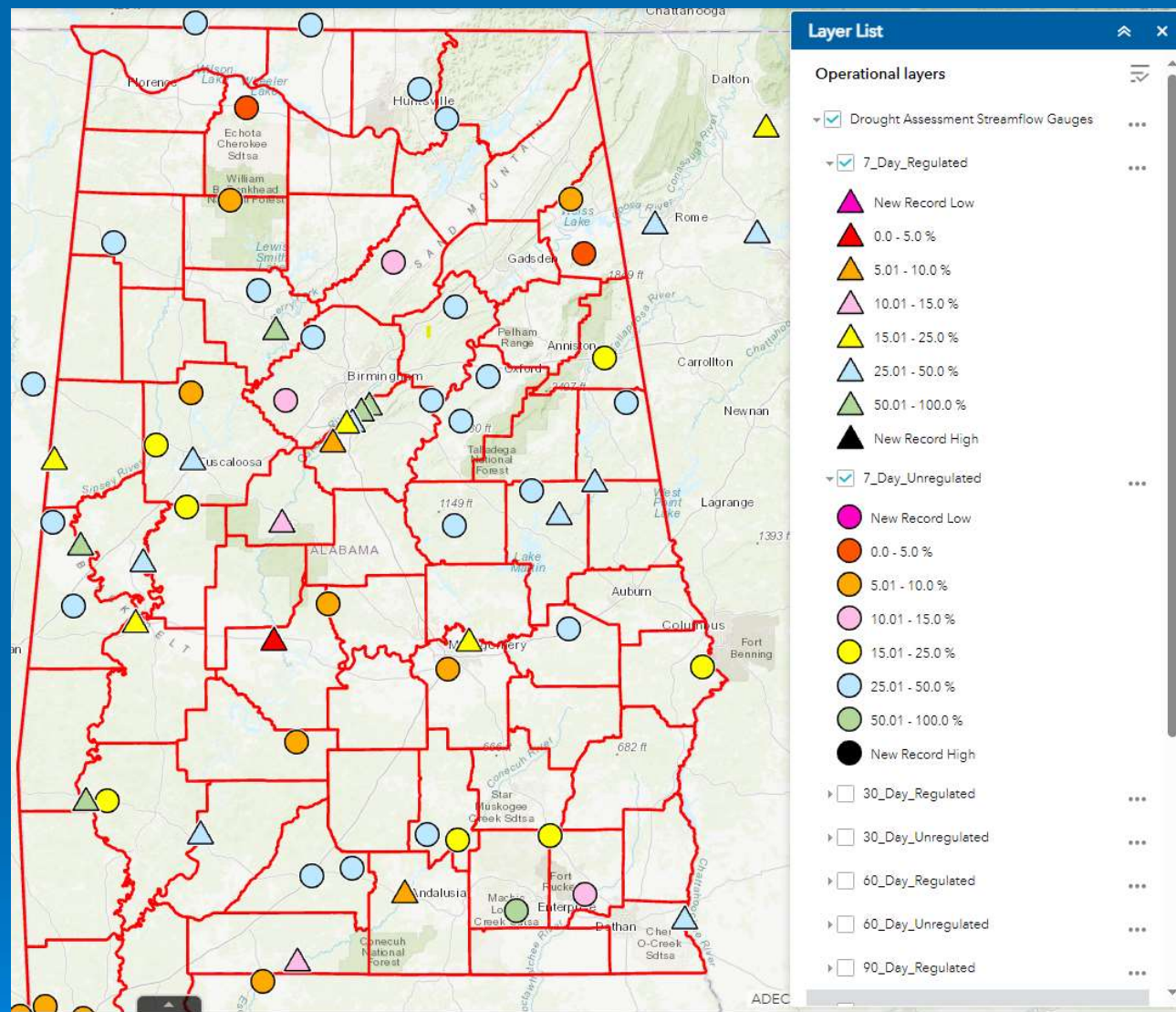
October 11, 2023

Public entities must report any drought actions to OWR



OWR GIS Drought Data Portal

(<http://adecagis.alabama.gov/DroughtMap/>)



Drought Flow Assessment Tool

- Total of 72 gages tracked weekly
 - Unregulated USGS gages - 47 gages
 - Regulated USGS gages – 25 gages
- 7, 30, 60, and 90-day rear looking average streamflow based on period of record for each gage up to the previous Monday
- Shows graphical summary of flows, exceedance statistics, and monthly flow characteristics

GIS Drought Data Portal

(<http://adecagis.alabama.gov/Drought>)

Gage #: 02425000
Period of Record:

Gage #: 02425000
Period of Record:
Average Flow

Gage #: 02425000
Period of Record:

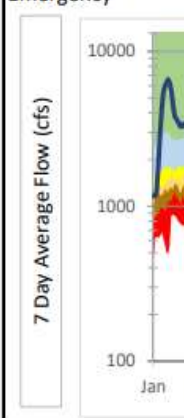
10/1/1938 - 10/8/2023

Name: CAHABA RIVER NEAR MARION JUNCTION AL

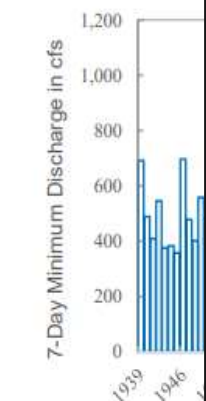
Monthly Analysis

Statistics of Monthly Average Flows

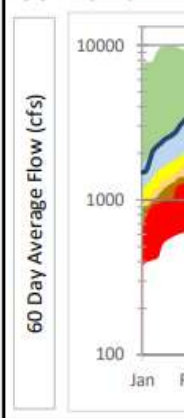
Drought Level
Emergency



Percent Discharge 10,200

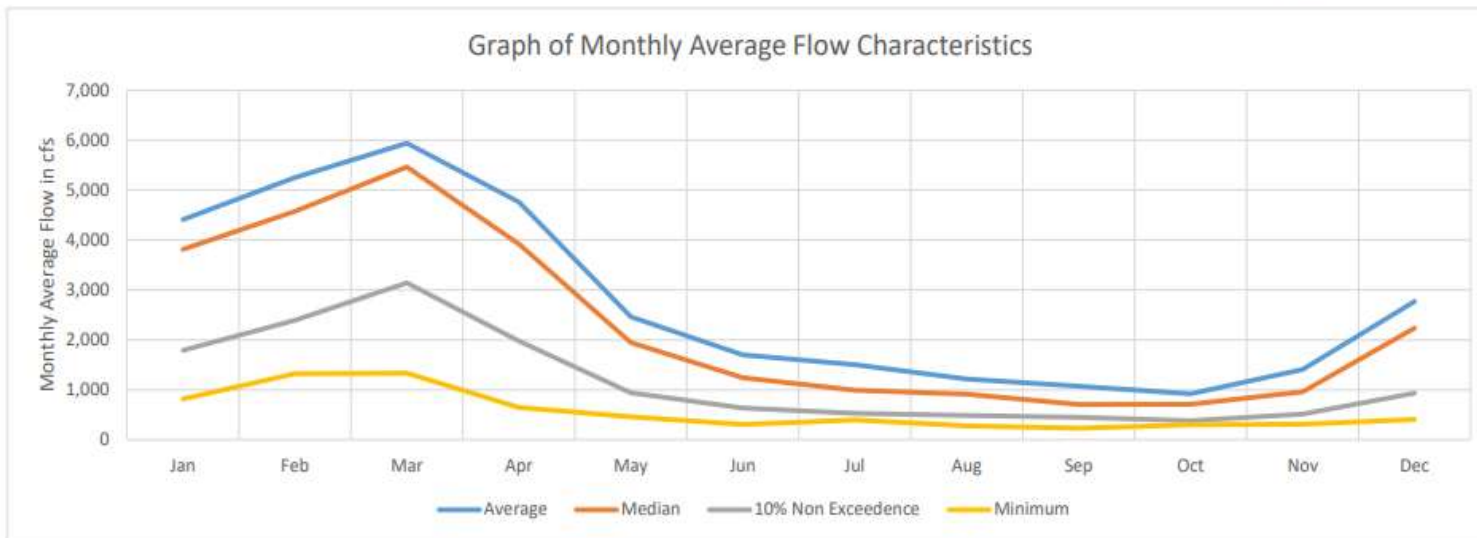


Drought Level
Below Normal



Legend:

*Disclaimer: USGS



MONTHLY STATISTICS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	4,409	5,250	5,940	4,759	2,459	1,699	1,504	1,214	1,073	920	1,409	2,769
100%	12,888	15,961	14,966	17,102	9,466	6,622	6,661	14,283	6,530	4,446	6,445	10,361
98%	10,651	12,672	12,954	12,192	7,146	5,185	6,241	2,698	3,206	3,324	5,355	8,582
95%	9,428	9,199	10,190	10,651	5,787	4,375	4,596	2,205	2,580	3,117	4,161	6,978
90%	8,108	8,619	8,851	8,955	4,717	3,725	2,746	1,868	2,031	1,549	3,079	5,122
75%	5,471	6,871	7,614	5,700	2,919	1,919	1,711	1,331	1,252	898	1,501	3,627
50%	3,811	4,577	5,465	3,922	1,944	1,245	991	912	706	710	961	2,238
25%	2,485	3,154	4,303	2,474	1,371	801	755	680	525	508	717	1,442
10%	1,788	2,390	3,142	1,979	937	637	532	489	451	381	512	936
5%	1,461	2,210	2,450	1,607	878	614	441	417	421	337	487	787
2%	909	1,455	1,416	1,157	754	405	416	322	344	305	340	615
0%	816	1,324	1,333	645	461	304	399	278	231	302	313	408

Jan
7Day 50% Non Exc 1,731
7Day 10% Non Exc 1,019

Summary

- Alabama has a successful and robust drought planning and response program
- Focus is on communication and coordination of conditions, impacts, and forecasts
- Current focus is on the review of the Alabama Drought Management Plan. Comments are welcome
- OWR website maintains updated drought information

Questions?

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