

Drought Management in THE ACF RIVER BASIN

WE GIVE SPECIAL THANKS TO:



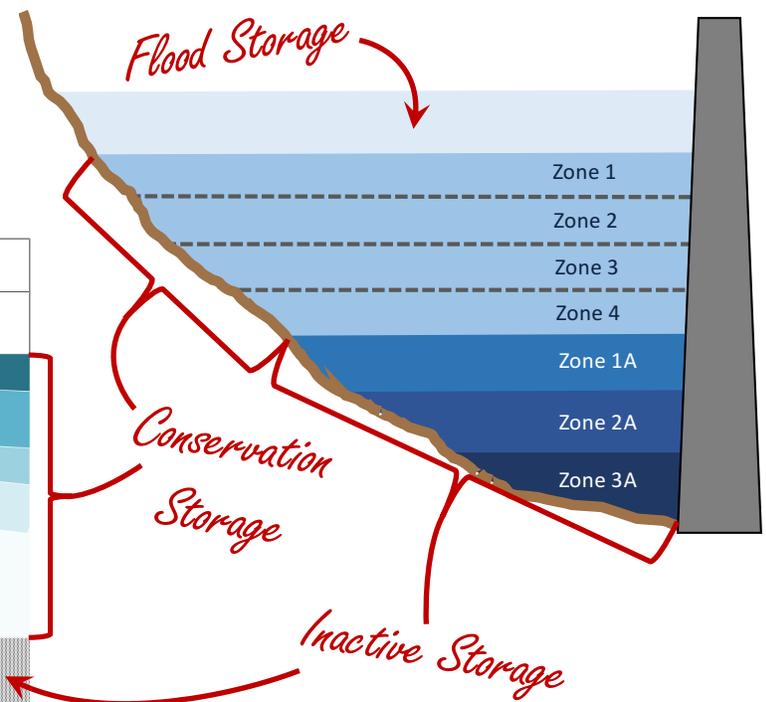
FOR FIGURES AND CONTENT

The **ACF River Basin** is an area of 19,573 square miles that drains into the **Apalachicola River**, the **Chattahoochee River**, and the **Flint River**.

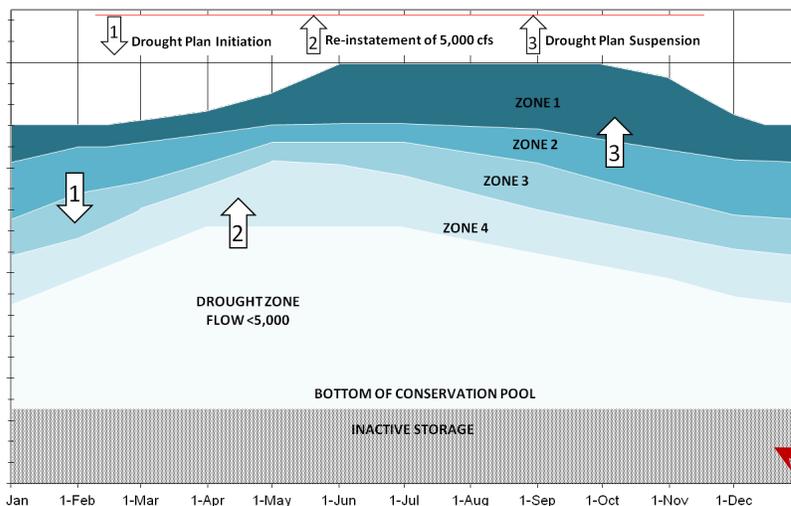
1. DROUGHT IN THE ACF IS PRIMARILY MANAGED BY THE U.S. ARMY CORPS OF ENGINEERS 'USACE' ...

...VIA DROUGHT TRIGGERS IMPLEMENTED THROUGH INDIVIDUAL ACTION ZONES AND COMPOSITE STORAGE IN RESERVOIRS

ACTION ZONE DESIGN IN EACH RESERVOIR



COMPOSITE STORAGE AMONG ALL RESERVOIRS



2. EXTREME DROUGHT MEASURES ARE TRIGGERED WHEN LAKE LEVELS DROP TO INACTIVE STORAGE

The amount of inactive storage by reservoir in acre-feet...

Project	Zone 1A	Zone 2A	Zone 3A	Unusable Storage
Lake Sidney Lanier	528,696	232,245	113,327	-
West Point Lake	53,620	138,331	33,344	73,101
Walter F. George Lake	311,207	169,605	-	170,960
Total	893,523	540,181	146,671	244,061

...and how it can be used.

Zone 1A	Water Supply, Water Quality, Endangered Species
Zone 2A	Water Supply, Water Quality
Zone 3A	Water Supply



Drought Management in THE ACF RIVER BASIN (Continued)

3. WATER USE PRIORITIES CHANGE ACCORDING TO DROUGHT SEVERITY

In drought conditions, management and water use priorities change according to drought severity. When there is a shortage, water use is generally prioritized in the order shown below:

1. Water Supply (WS)
2. Water Quality (WQ)
3. Fish and Wildlife (FW)
4. Hydropower (HP)
5. Recreation (REC)
6. Navigation (NAV)
7. Flood Risk Management (FRM)

Priorities are not explicitly stated in the ACF Water Control Manual (available here: sam.usace.army.mil/Missions/Planning-Environmental), but they are listed here to help the general public understand the competing water uses and priorities during drought.

4. DROUGHT AND WATER MANAGEMENT IS A CONTENTIOUS SUBJECT IN THE ACF; THREE RECENT LITIGATIONS HAVE SHAPED MANAGEMENT

2009
USACE CHALLENGED ON COMPLIANCE WITH THE WATER SUPPLY ACT

USACE WON IN AN APPEAL

2013
USACE CHALLENGED ON COMPLIANCE WITH THE ENDANGERED SPECIES ACT

RULING VACATED FOR CONSULTATION

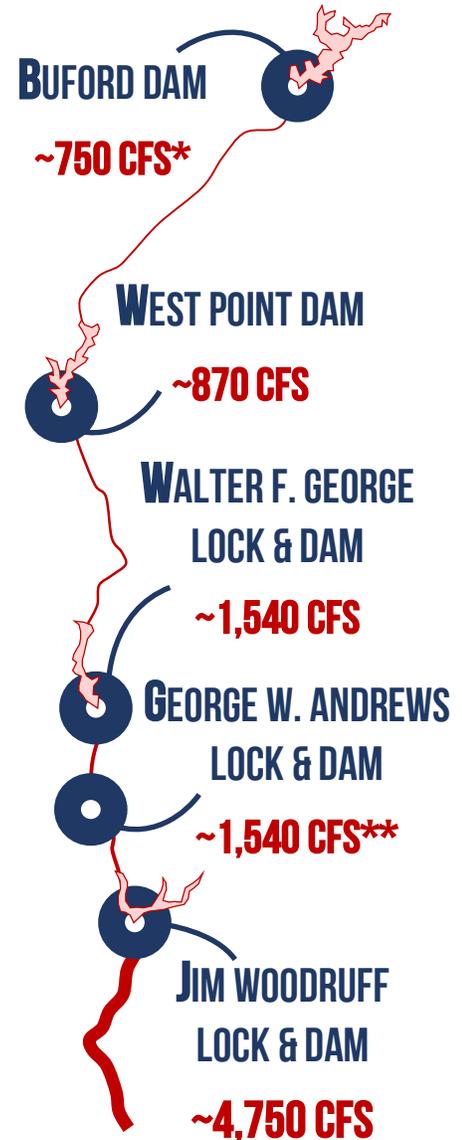
2017
GEORGIA CHALLENGED ON RIGHTLY SHARING WATER IN THE ACF RIVER BASIN

AWAITING RULING OF SUPREME COURT

Live streamflow and storage data for the ACF River Basin is available at: water.sam.usace.army.mil/acfframe.htm

[†]Minimum monthly streamflow in cubic feet per second (cfs) were taken from historical, post-construction lows. Daily or instantaneous minimum flows would be lower. *Minimum summer flows below Buford Dam (measured at Peachtree Creek) were reregulated after 1986 to 750 cfs (650 cfs in the winter rainy season). **G.W. Andrews Lock and Dam is a 'run of river' operation. Minimum flows are roughly equal to those at W.F. George Lock and Dam (plus local inflow and minus losses). No post-construction minimum streamflow data was available.

MINIMUM MONTHLY STREAMFLOW[†] BELOW USACE RESERVOIRS



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