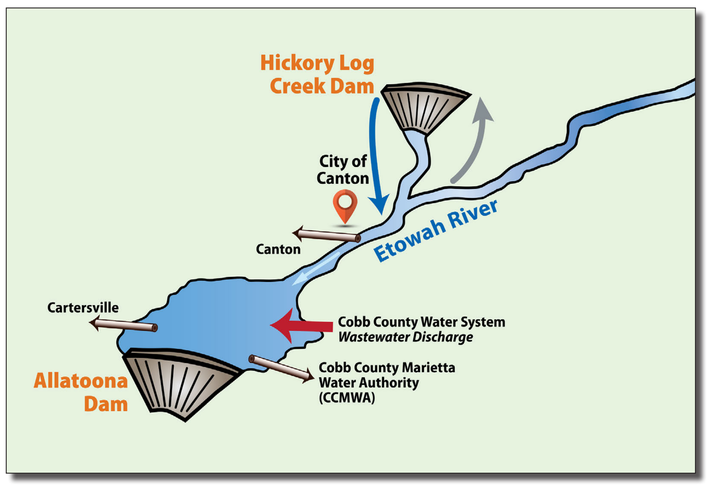
State of Georgia's Updated Water Supply Request

Hickory Log Creek Reservoir

Allatoona Dam

- Received March 30, 2018
- 2050 water supply need from Allatoona Lake is 94 million gallons per day (mgd), including current water supply contract amounts:
  - 57 mgd for Cobb County-Marietta Water Authority
  - 37 mgd for City of Cartersville
- Assumes full credit for Hickory Log Creek Reservoir releases

- Requests that USACE consider:
  - Alternative storage accounting methodology
  - Utilization of pass-through conveyance
  - Providing full credit for return flows



US Army Corps of Engineers
Mobile District

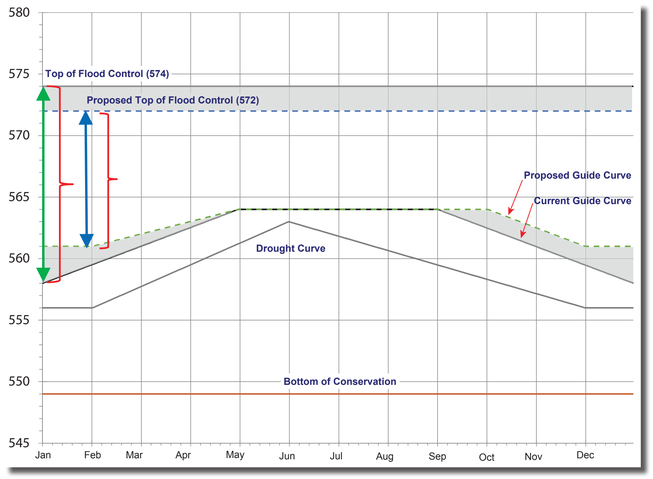
Weiss and Logan Martin Projects

USACE

- Has oversight of four Alabama Power Company projects for the authorized purposes of navigation and flood risk management:
  - Harris Dam (Water Control Manual [WCM] updated in 2015)
  - H. Neely Henry Dam (WCM updated in 2015)
  - Logan Martin Dam (WCM update required)
  - Weiss Dam (WCM update required)

Alabama Power Company

- Proposes to lower top of flood control level at Weiss and Logan Martin projects
- Proposes to raise winter level at Weiss and Logan Martin projects



- Current reservoir easements at Weiss and Logan Martin projects are below the required maximum surcharge elevations

US Army Corps of Engineers
Mobile District

Preliminary Identified Measures[1]

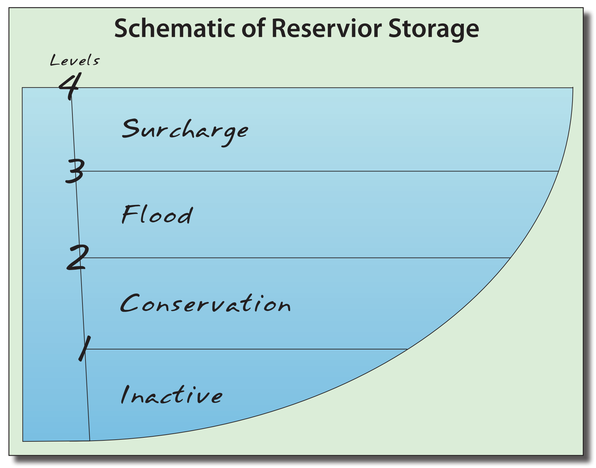
Water Supply at Allatoona Lake

- Conservation
- Groundwater
- Desalination and pumping to service areas
- Other existing surface water sources
- Reallocation from Allatoona Lake flood storage pool
- Reallocation for Allatoona Lake inactive storage
- Reallocation from Allatoona Lake conservation storage
- Hickory Log Creek Reservoir
- Other new reservoir construction

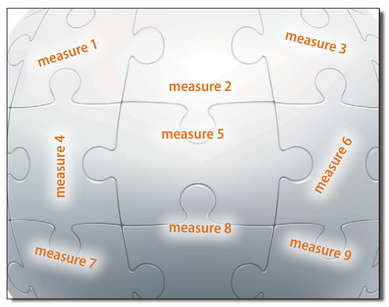
Flood Operations at APC Projects[2]

- Raise winter pool levels
- Lower top of flood pool levels
- Modify induced surcharge operations
- Acquire additional property interests

[2] Only non-structural measures are being considered for Alabama Power Company (APC) projects



Alternative "A"

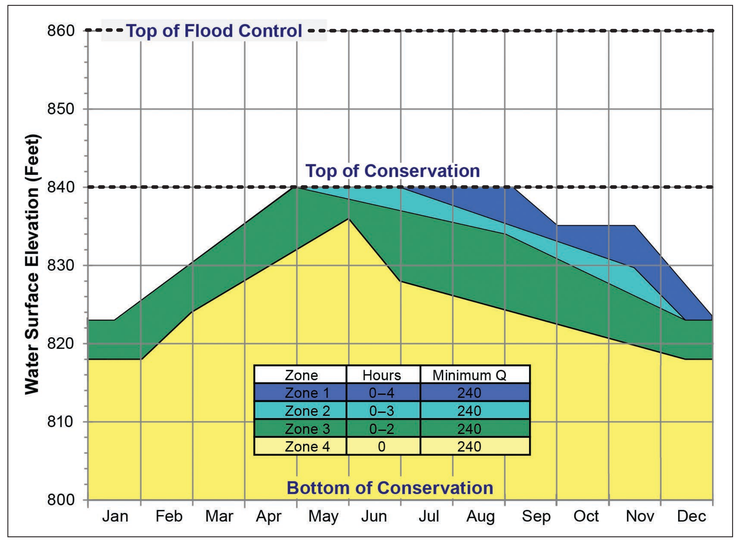


[1] Measure = A solution that addresses a problem; a component of an alternative

US Army Corps of Engineers
Mobile District

Summary of Current Operations

- **Alabama Power Company (APC):** Projects operate pursuant to the current operations, current approved USACE WCMs at APC projects, and the current approved Alabama, Coosa, Tallapoosa (ACT) River Basin Master Water Control Manual (WCM).
- **Guide Curves:** Operate using existing guide curves, includes Allatoona fall step-down and higher winter level at H. Neely Henry
- **Action Zones:** Operate using existing action zones: Allatoona (Zone 4), Carters (Zone 2)
- **Drought Operations:** Defined drought intensity levels and associated drought triggers, dam releases/flow targets provide for reduced levels of service
- **Navigation:** Seasonal navigation releases to support commercial navigation (9.0-ft or 7.5-ft channel depth), provided sufficient basin inflow above the APC projects is available
- **Minimum Flows:**
  - Allatoona continues to provide for a 240-cubic-feet per second (cfs) minimum flow.
  - Carters
    - Zone 1 – minimum flow releases equal to the seasonal minimum flow based on the mean monthly flow upstream of Carters Lake
    - Zone 2 – minimum flow releases would be 240 cfs
- **Hydropower:** Typical hydropower peaking hours vary by action zone
- **Federal Water Supply:** 19,511 acre-feet allocated to water supply storage agreements
- **Fish & Wildlife:** Seasonal minimum flow when Carters is in Zone 1

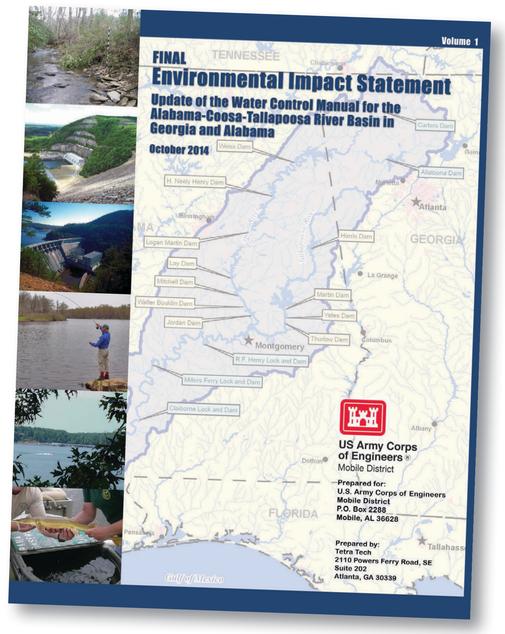


US Army Corps of Engineers
Mobile District

What is the *Supplemental Environmental Impact Statement?*

The Supplemental Environmental Impact Statement (SEIS) will:

- "Supplement" the existing *Final Environmental Impact Statement (EIS) Update of the Water Control Manual for the Alabama-Coosa-Tallapoosa (ACT) River Basin in Georgia and Alabama* (October 2014)



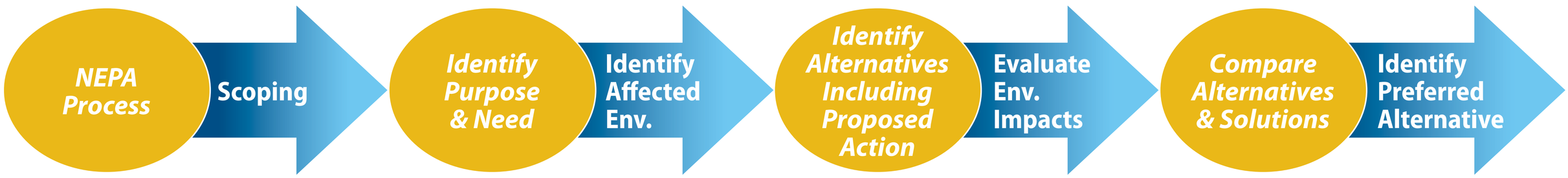
- Consider additional environmental impacts in the natural environment or communities based upon a water supply storage reallocation at Allatoona Lake and a flood operation analysis at Alabama Power Company's Weiss and Logan Martin Reservoirs
- Include an analysis of effects of the proposed action (s) and alternatives on resources such as: natural resources (water, air and wildlife), cultural resources, land use, recreation, aesthetics, and socioeconomic impacts, etc.
- Include a description of the baseline conditions of the affected environment against which effects of the proposed action are evaluated

US Army Corps of Engineers
Mobile District

Major NEPA Milestones

Opportunities for public involvement in the feasibility study* and integrated SEIS process:

- Public Scoping Meetings (2018)
- Public Review of Draft SEIS (2019)
- State and Agency Review of Final SEIS (2020)



*Though not required to meet all requirements of a cost shared feasibility study, this study utilizes aspects of the SMART Planning Feasibility Study Process Framework

US Army Corps of Engineers
Mobile District

Environmental Considerations

Authorized Purposes in ACT River Basin

- Fish and Wildlife Conservation
- Flood Risk Management
- Hydropower
- Navigation
- Recreation
- Water Quality
- Water Supply

Water Resources

- Groundwater
- Historical, Present, and Future Water Quantity Needs
- Surface Water Reservoirs
- Water Quality

Natural and Biological Resources

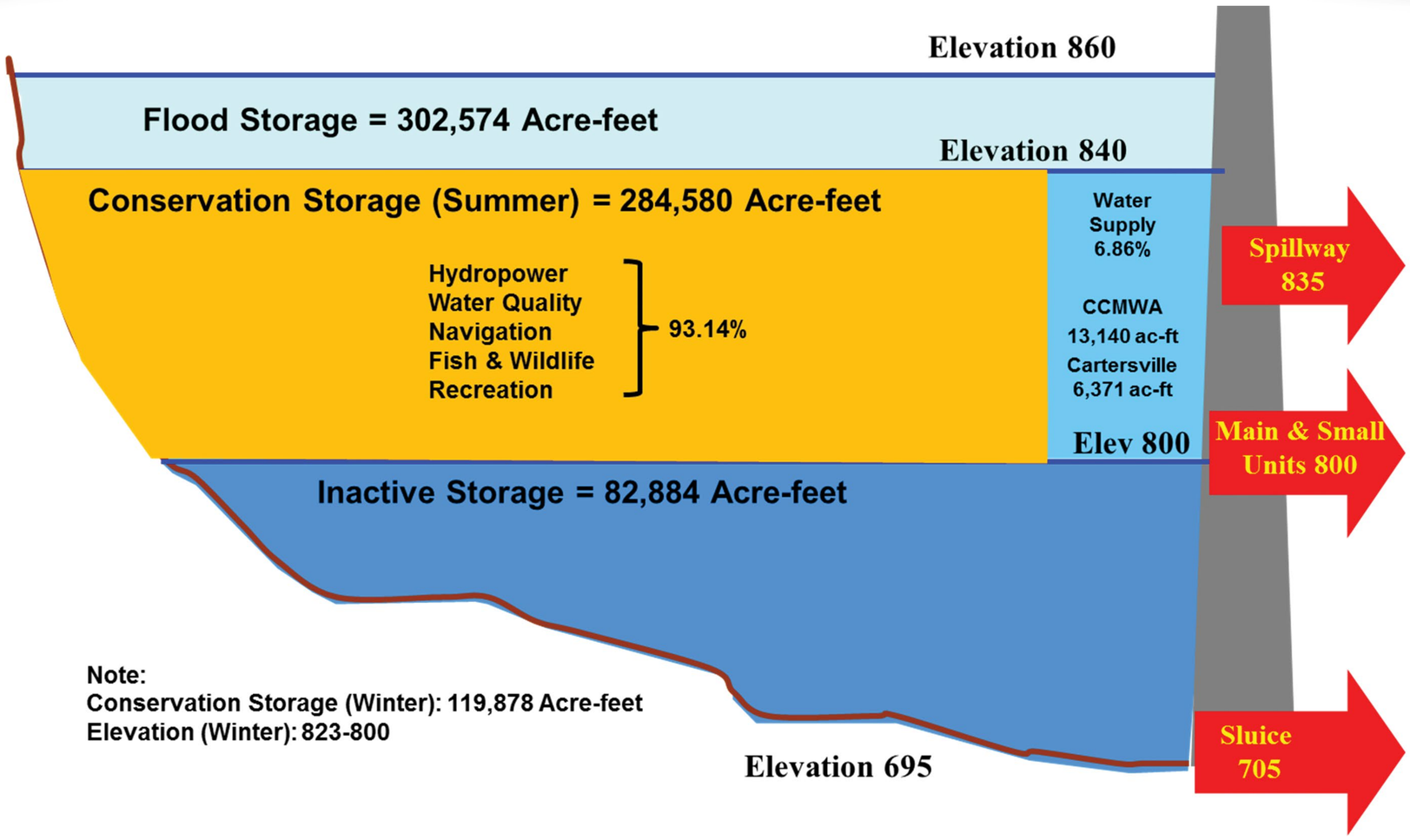
- Air Quality
- Cultural Resources
- Fish and Aquatic Resources
- Land Use
- Terrestrial and Wetland Vegetation
- Threatened & Endangered Species
- Wildlife

Socioeconomic Resources

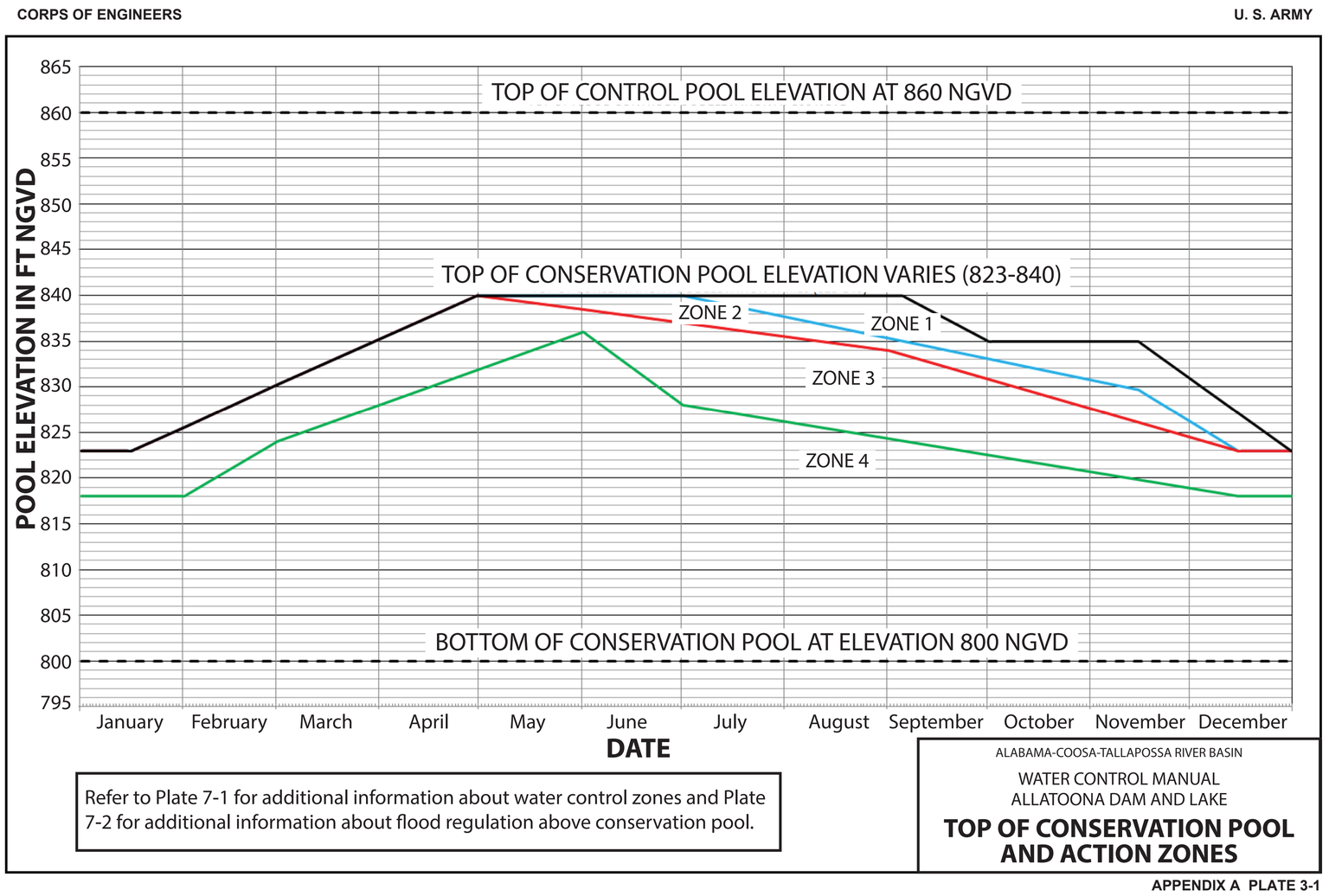
- Environmental Justice and Protection of Children
- Flood Risk Management Concerns
- Population

US Army Corps of Engineers
Mobile District

Allatoona Lake



Current Storage Allocation



Guide Curve

US Army Corps of Engineers
Mobile District