

APPENDIX G

Public Scoping Meeting Display Documents



Public Meeting - Workflow

Step 1 – Sign in at information table



Step 2 – Visit Information and Resource tables in any order you choose



Step 3 – Ask questions and obtain clarification from the experts at each information and/or resource table



Step 4 – Submit comments

- Using comment forms provided at display tables
- Oral comments to court reporter, or
- Electronic via the web at www.act-wcm.com



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Information Stations

1. Welcome/Instructions
2. Water Control Manual
3. Water Management
4. Evaluation Tools
5. NEPA/EIS
6. Environmental Resources
7. Socio-Economics
8. Media
9. Commenting



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ACT Water Control Manual

Today's water manager must be a software systems technician, data base manager and administrator, a programmer, an engineer, a hydrologic forecaster, a meteorologist, a modeler, a news reporter, an artist, a butcher, a baker, and a water management decision maker!

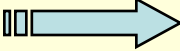


Water Control Manuals provide documentation including Water Control Plans for specific projects and river basin systems and include guidelines for making water management decisions.



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Water Control Manuals

- Updated or revised as necessary  *Living Document*
 - Changes made in project area or downstream of project
 - Improvements in technology
 - New legislation
 - New environmental requirements
 - Other relevant factors
- Comply with existing Federal laws and regulations and established Corps of Engineers policy



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Contents of a Water Control Manual

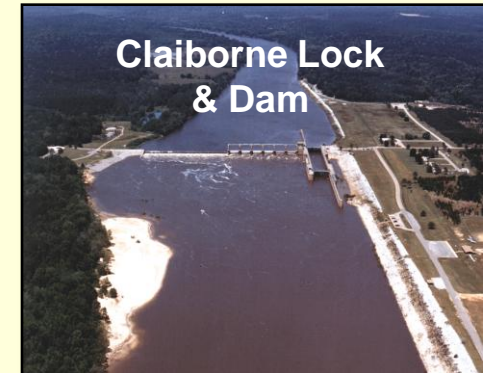
- Pertinent Project Data
- I – Introduction
- II – Description of Project
- III – History of Project
- IV – Watershed Characteristics
- V – Data Collection and Communication Networks
- VI – Hydrologic Forecasts
- VII – Water Control Plan
- VIII – Effect of Water Control Plan
- IX – Water Control Management
- Standing Instructions to the Project Operator



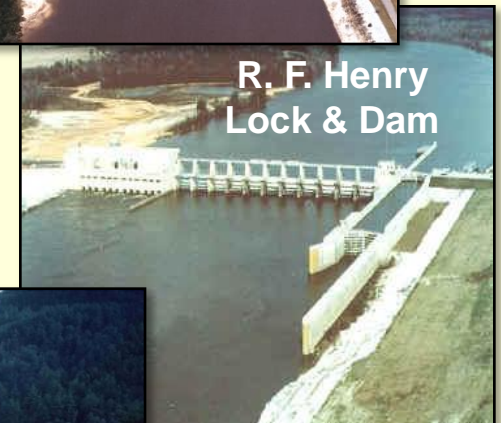
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Water Management for Federal Multi-Purposes

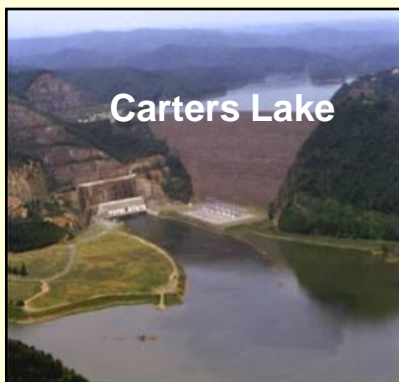
Federally Authorized Purposes-->	Fish & Wildlife	Flood Damage Reduction	HydroPower	Navigation	Recreation	Water Quality	Water Supply
Corps Projects							
Carters Lake	✓	✓	✓	✓	✓	✓	✓
Lake Allatoona	✓	✓	✓	✓	✓	✓	✓
Robert F. Henry Dam	✓		✓	✓	✓	✓	
Millers Ferry Dam	✓		✓	✓	✓	✓	
Claiborne Lock & Dam	✓			✓	✓	✓	
Alabama Power Projects							
Weiss Lake		✓		✓			
H. Neely Henry Dam		✓		✓			
Logan Martin Dam		✓		✓			
Harris Dam		✓		✓			



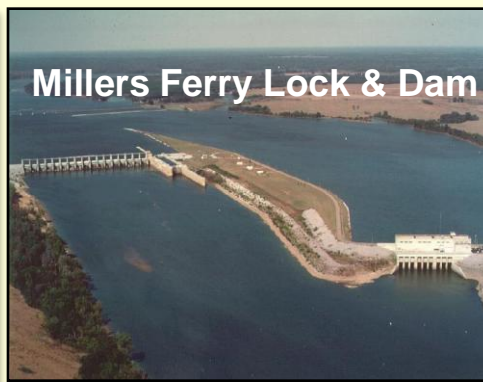
Claiborne Lock & Dam



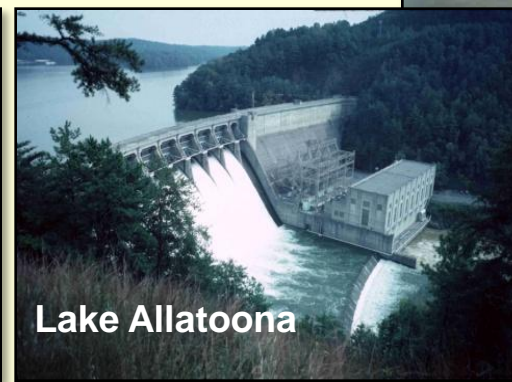
R. F. Henry Lock & Dam



Carters Lake



Millers Ferry Lock & Dam



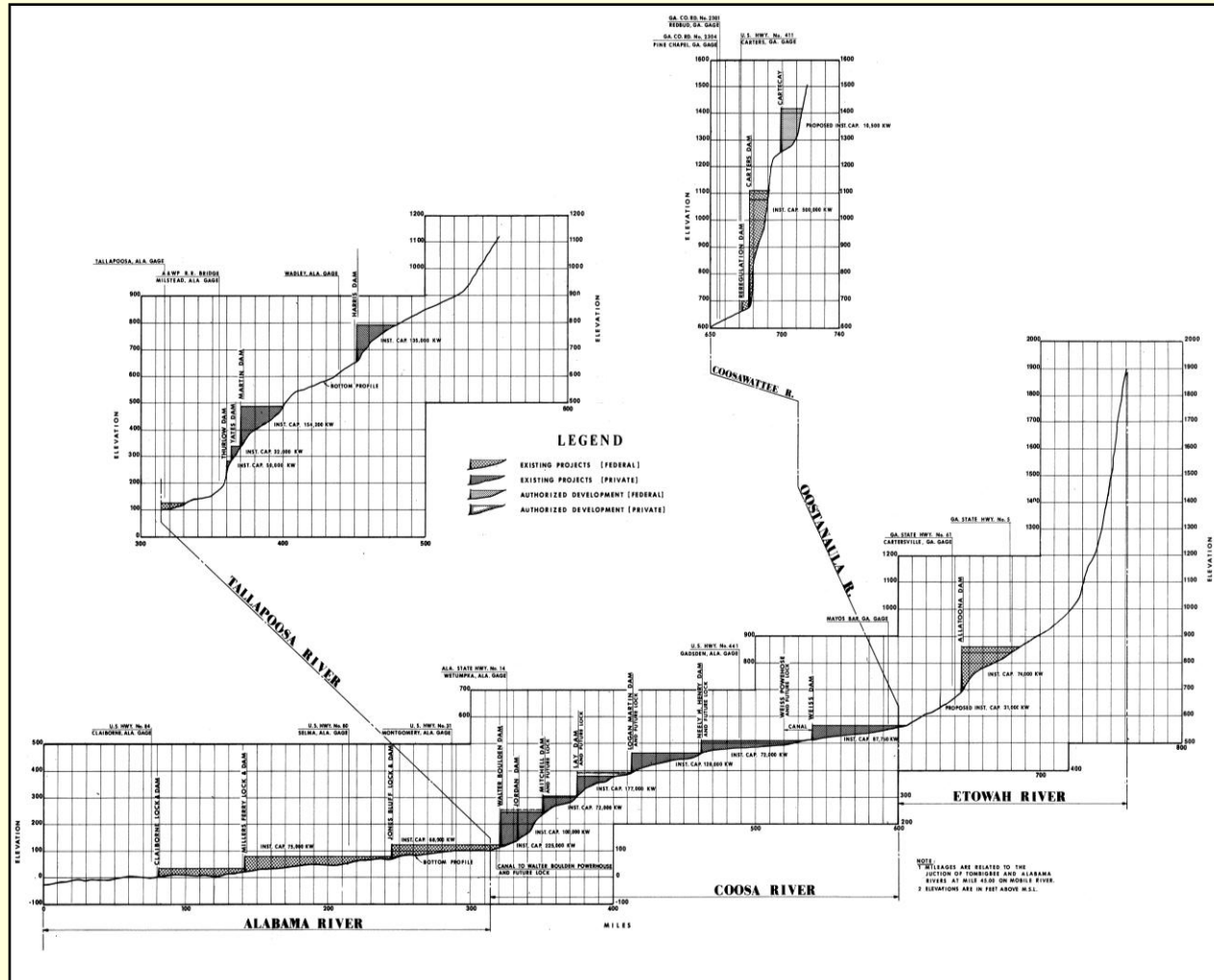
Lake Allatoona



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Profile of the

Alabama-Coosa-Tallapoosa River Basin



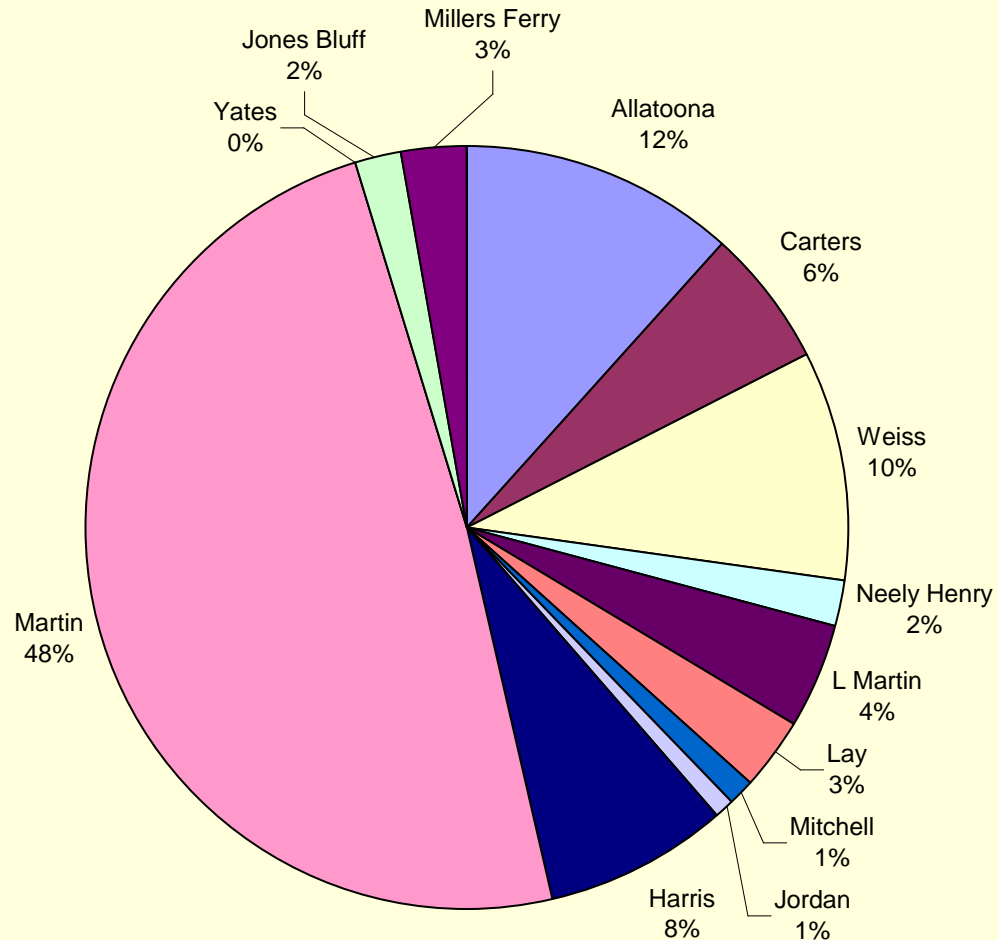


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ACT Conservation Storage by Project

Project	Storage (ac-ft)
Allatoona	284,589
Carters	141,400
Weiss	237,448
Neely Henry	43,205
L Martin	108,262
Lay	77,478
Mitchell	28,048
Jordan	15,969
Harris	191,129
Martin	1,183,356
Yates	5,976
Jones Bluff	47,179
Millers Ferry	64,900

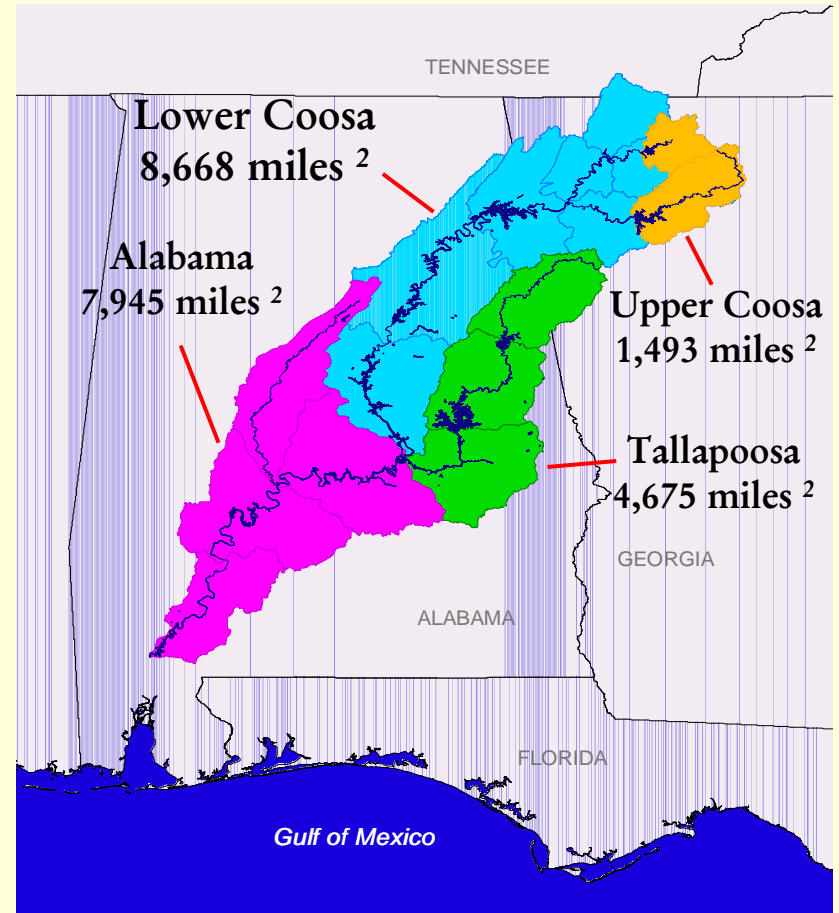
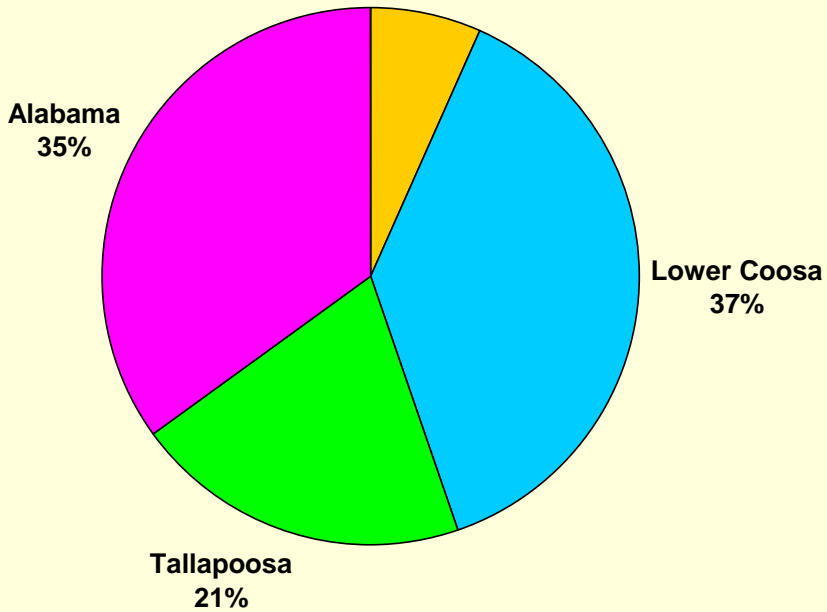
Corps of Engineers
Alabama Power Company





ACT Drainage Basins

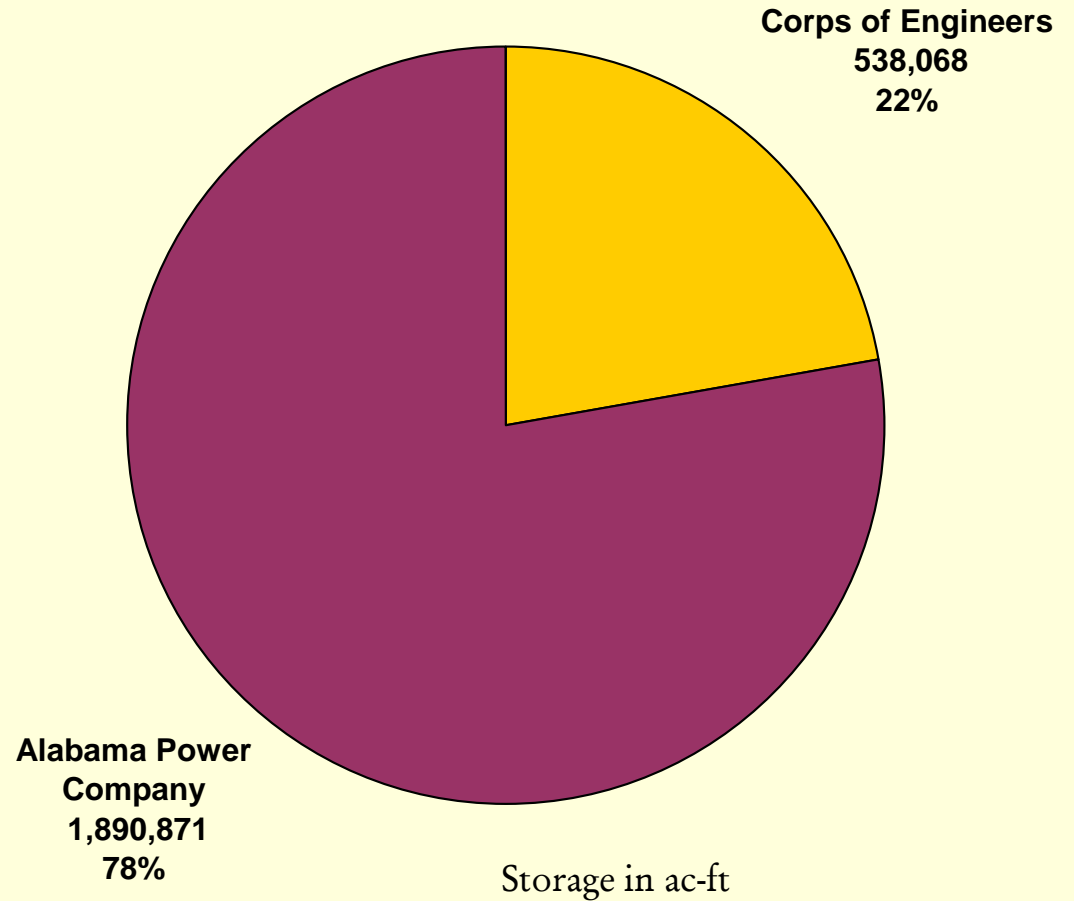
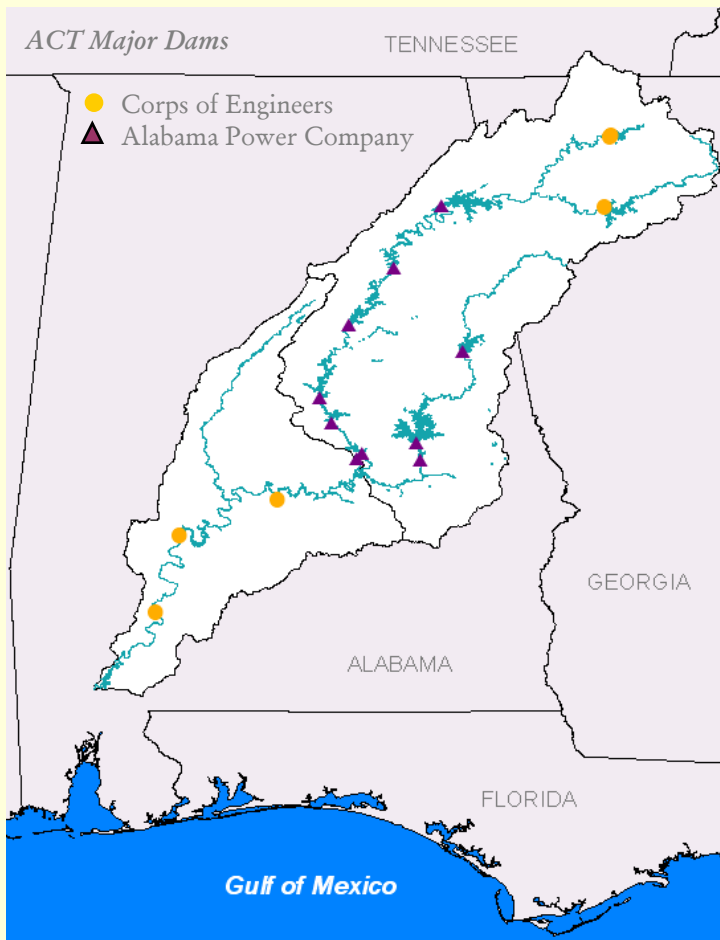
ACT Drainage Basins
Upper Coosa
7%





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ACT Conservation Storage by Owner





The National Environmental Policy Act (NEPA)

- A Federal law that requires the identification and analysis of potential environmental effects of certain proposed Federal actions and alternatives before those actions take place
- A *full disclosure* law with provisions for public access to and participation in the Federal decision-making process.

- A statutory requirement triggered by major Federal actions significantly affecting the quality of the human environment.
- A mechanism for:
 - ✓Evaluating potential environmental impacts
 - ✓Incorporating public involvement into the Federal decision-making making process.

Environmental Impact Statement (EIS)

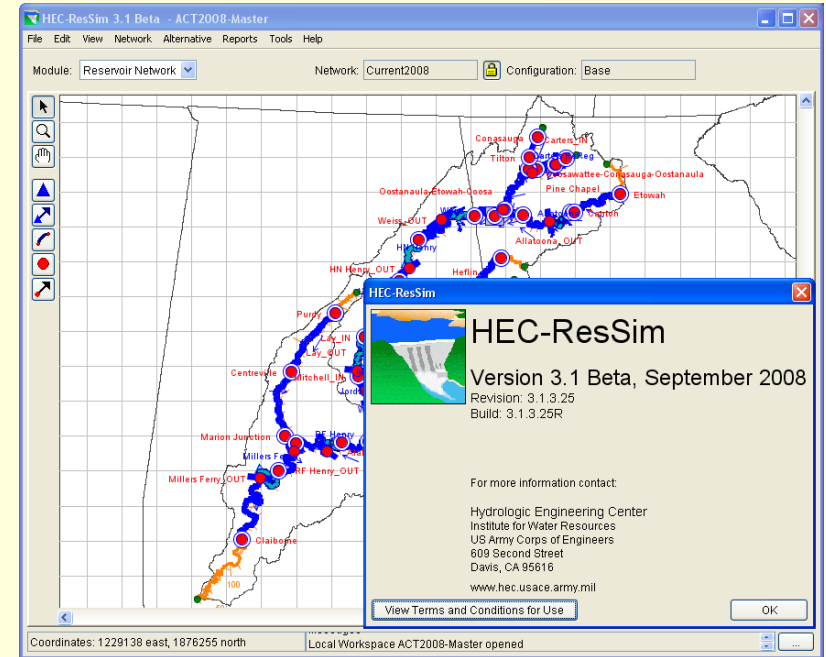
- An EIS is prepared when there is potential for significant environmental effects associated with the action.
- An EIS is a document prepared in accordance with NEPA that presents the results of the analysis of the environmental effects of the action and its alternative
- An EIS includes opportunities for public involvement in agency planning process.

- An EIS includes an analysis of effects of the action on the natural resources (water, air, wildlife), cultural resources, landuse, recreation, aesthetics, and socioeconomic environment.
- An EIS includes a description of the baseline conditions of the affected environment against which effects of the action are evaluated.
- An EIS identifies potential consequences of the action, cumulative impacts, and appropriate mitigation



Evaluation Tools

- HEC-5 Models are being updated to HEC-ResSim, the next generation in reservoir modeling.
- HEC-ResSim links to other models, such as:
 - HEC-5Q for Water Quality Impacts
 - IHA for Environmental Impacts
 - HEC-HMS for Flood Analysis



ResSim is Used to Evaluate Potential Impacts to Resources



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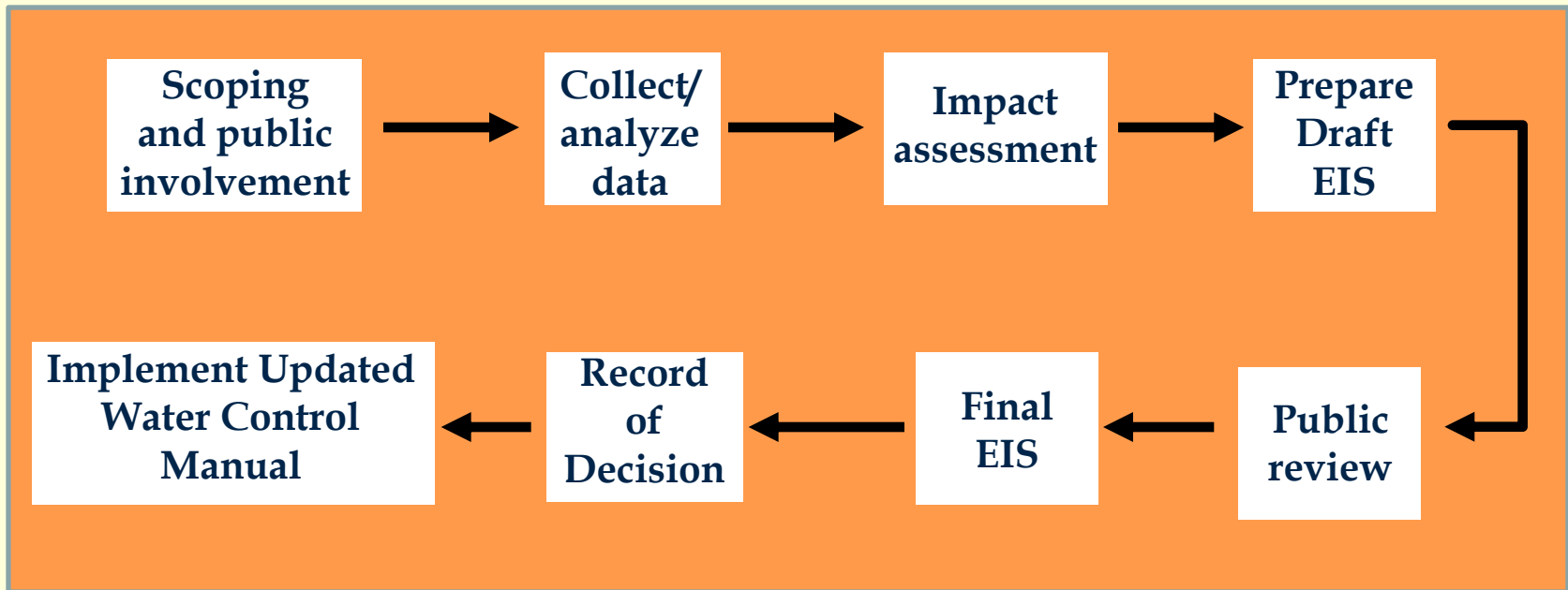
The NEPA Legislative, Regulatory & Interagency Framework





The NEPA Process

The NEPA process requires Federal agencies to follow a well-defined series of steps in the preparation of an EIS.





Environmental Resources

Environmental Resources include water resources, biological resources, cultural resources, and air quality in the entire ACT River basin. The EIS will analyze the potential impacts to the environmental resources and develop a reasonable range of alternatives.

- **Water Resources**

- Water Quantity
- Water Quality
- Floodplains
- Groundwater

- **Biological Resources**

- Vegetation
- Wildlife
- Fish and Aquatic Life
- Threatened and Endangered Species

- **Cultural Resources**

- Archaeological Sites
- National and/or Historic Sites
- Tribal Interests

- **Air Quality**



Socio-Economics

Purpose: The purpose of the proposed action is to update the ACT Water Control Manual to include current project operations under the existing congressional authorizations taking into account changes in basin hydrology and consumptive demands due to years of growth and development; new/rehabilitated structural features; and environmental issues.

The EIS will qualitatively and quantitatively analyze existing data sources to determine the impacts of implementing the Water Control Manual on economic resources.

Resources and Areas of Potential Impact:

- Recreation
 - Visitor Days
- Hydropower
 - Megawatt Output
- Navigation
 - Availability of Channel Depth
- Flood Control
 - Flood Damages Prevented
 - Land Use Changes

- Municipal and Industrial Water Supply
 - Demand Millions Gallons Day
- Agricultural Water Supply
 - Demand Millions Gallons Day
- Social Effects
 - Population
 - Employment
 - Income
- Cumulative Effects



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Comment Station

Submittal Methods:

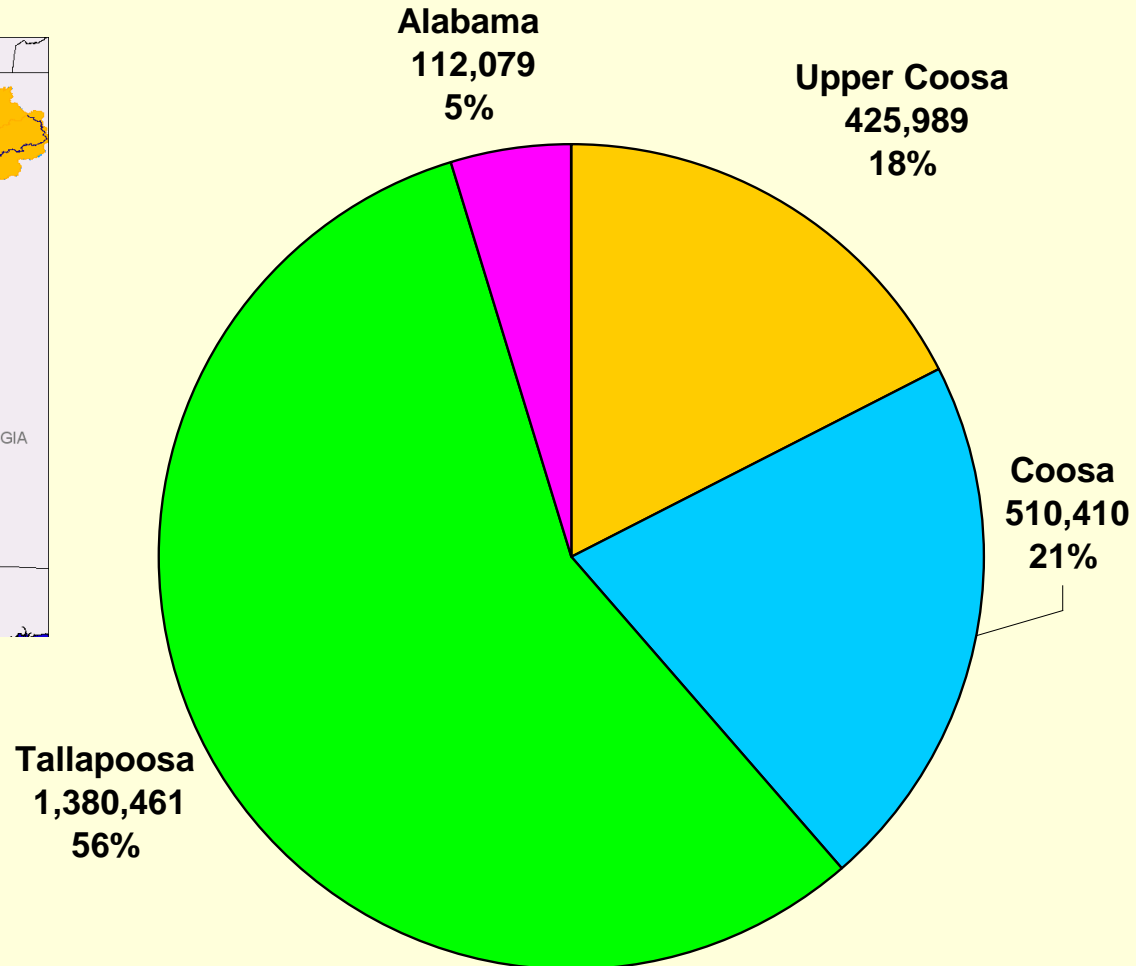
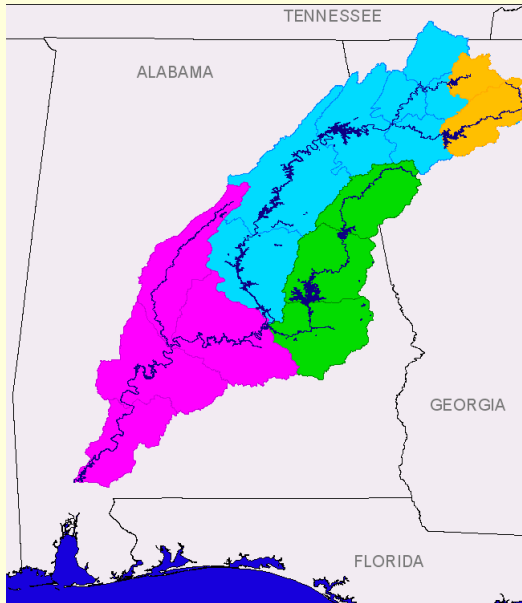
- Orally to court reporter
- Written
- Direct Internet Access

Submit all scoping comments by
October 20, 2008.



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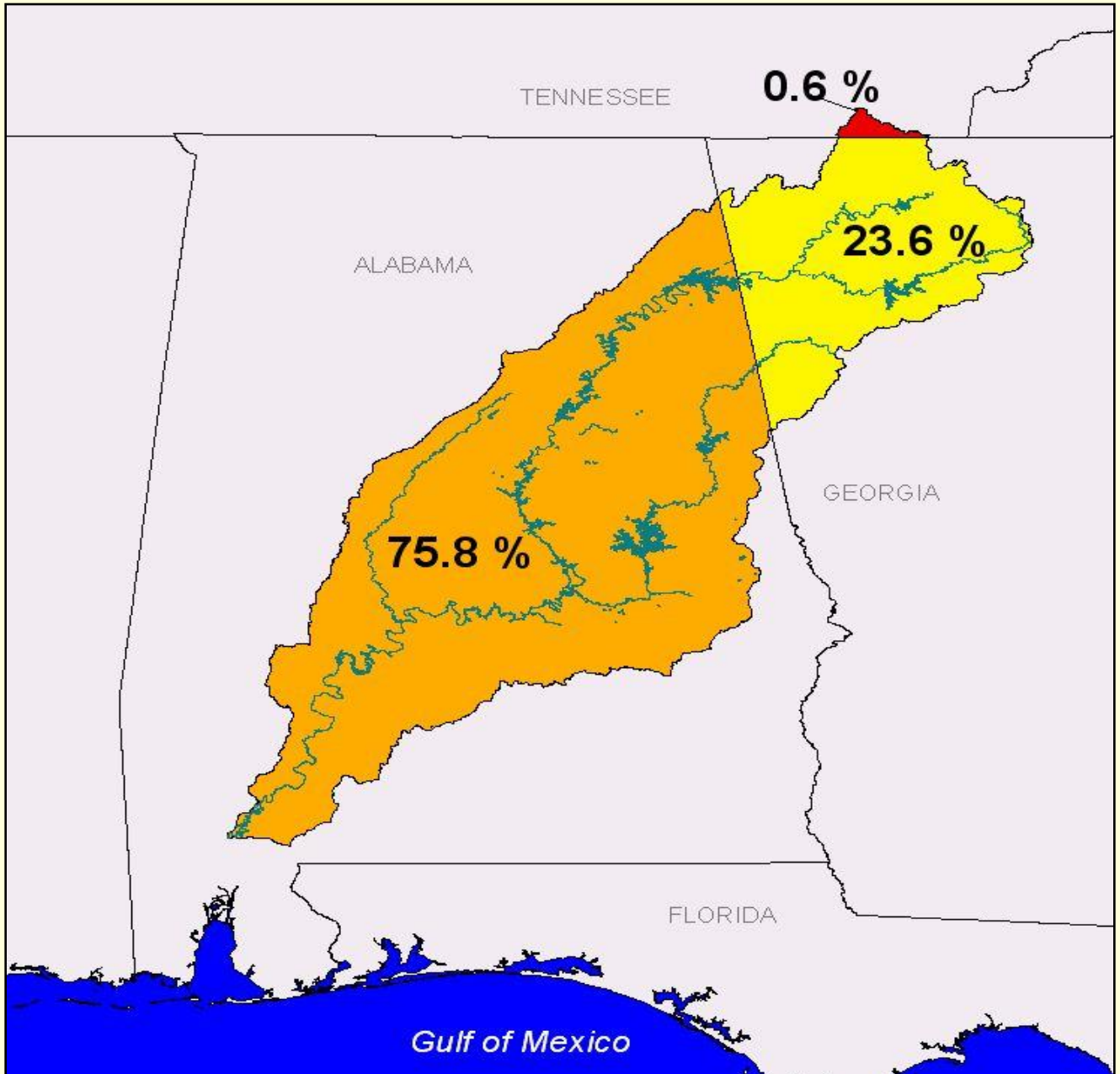
ACT Conservation Storage by Basin





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ACT Drainage Basins By State





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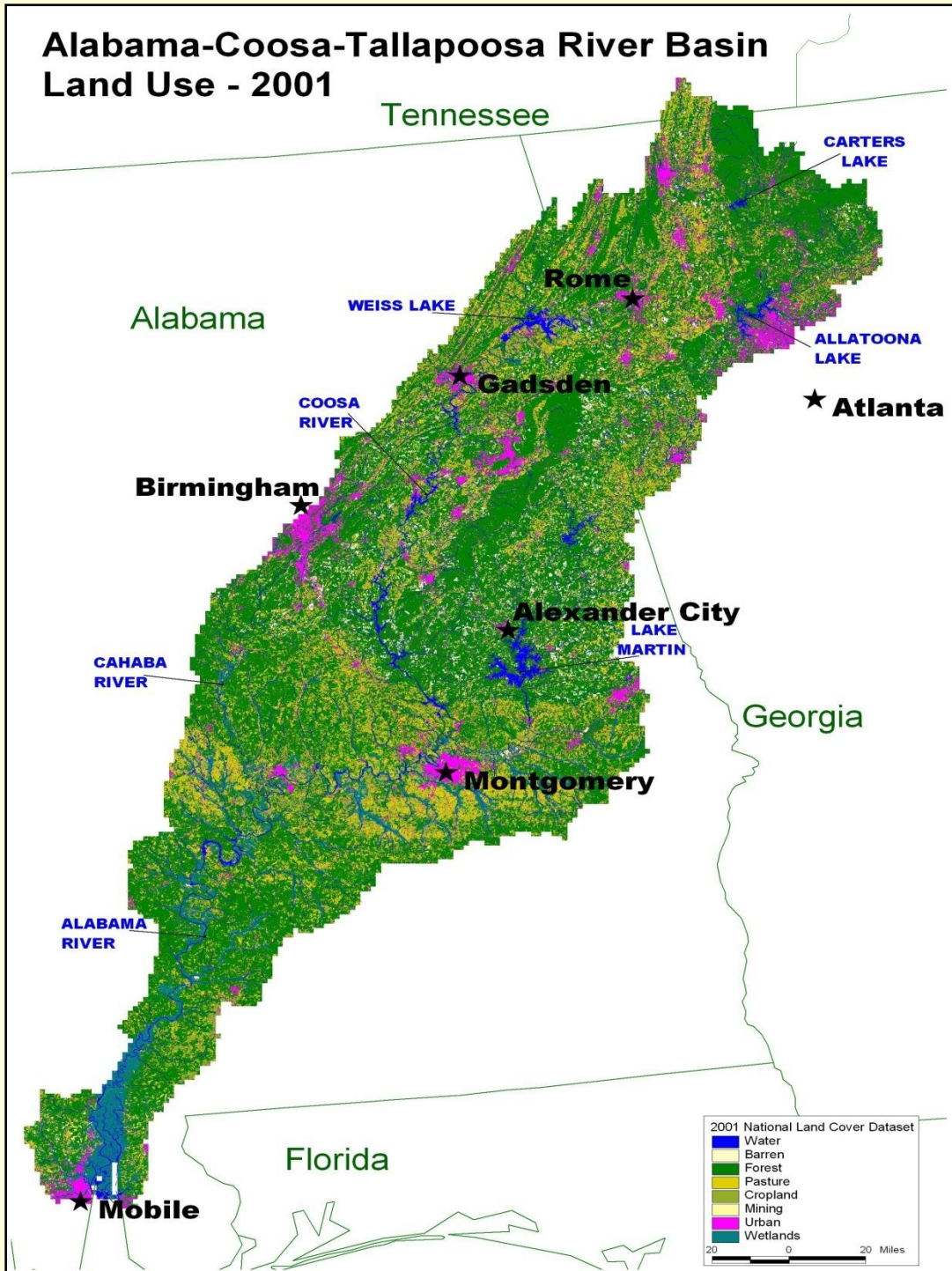
ACT Basin Endangered Species Map





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ACT Basin Land Use Map





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Alabama-Coosa-Tallapoosa River Basin Map

