

ACT Basin Project Overview Map



i Allatoona Dam and Lake

- Reservoir with full summer conservation pool at elevation 840 feet msl
- 82.2 megawatt (MW) power plant



i Weiss Dam and Lake

- Reservoir with full summer power pool at elevation 564 feet msl
- 87.75 MW power plant



i Logan Martin Dam and Lake

- Reservoir with full summer power pool at elevation 465 feet msl
- 128.25 MW power plant

Legend

- Withdrawal
- Pump
- Release
- Wastewater Return

Not to scale

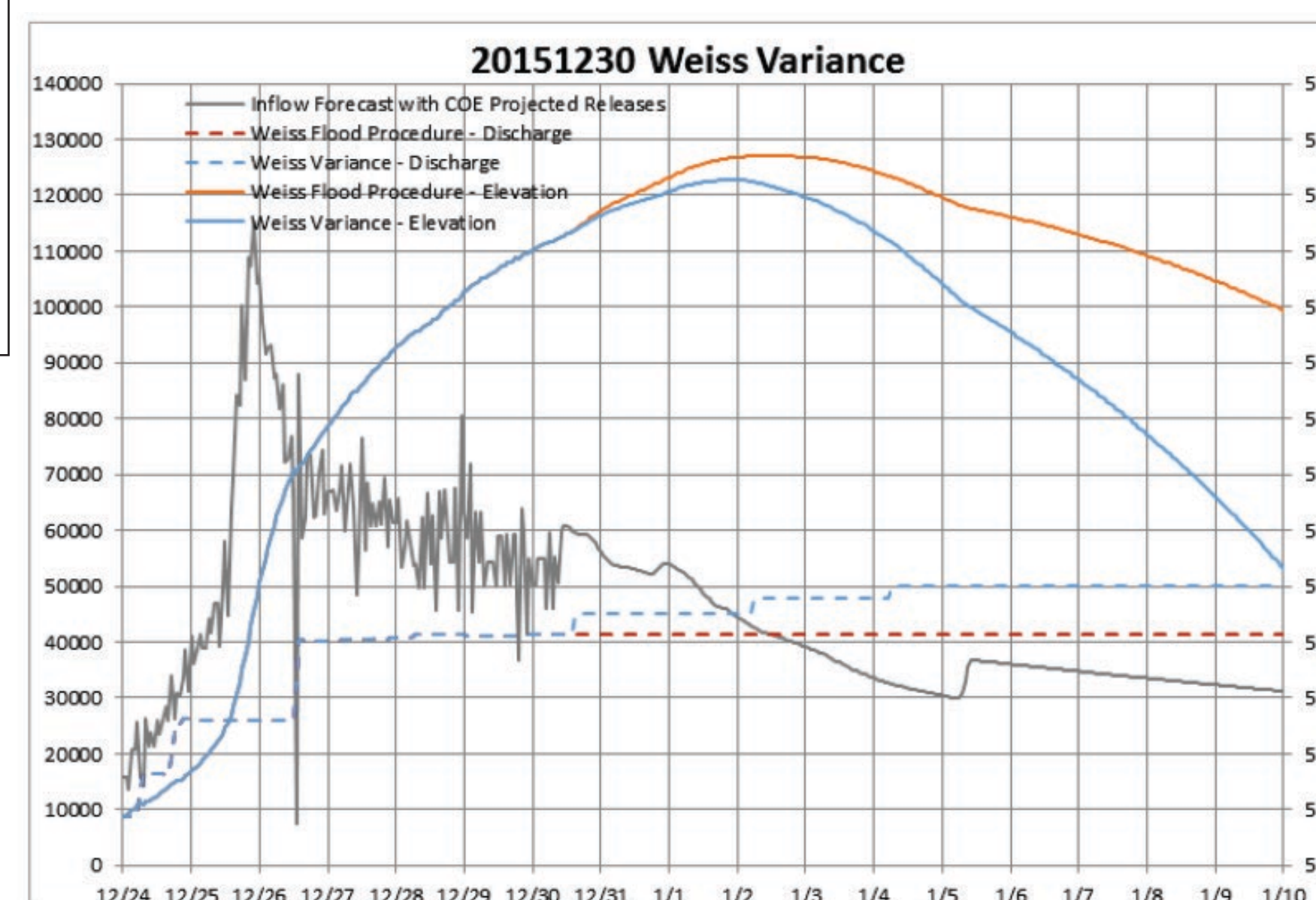
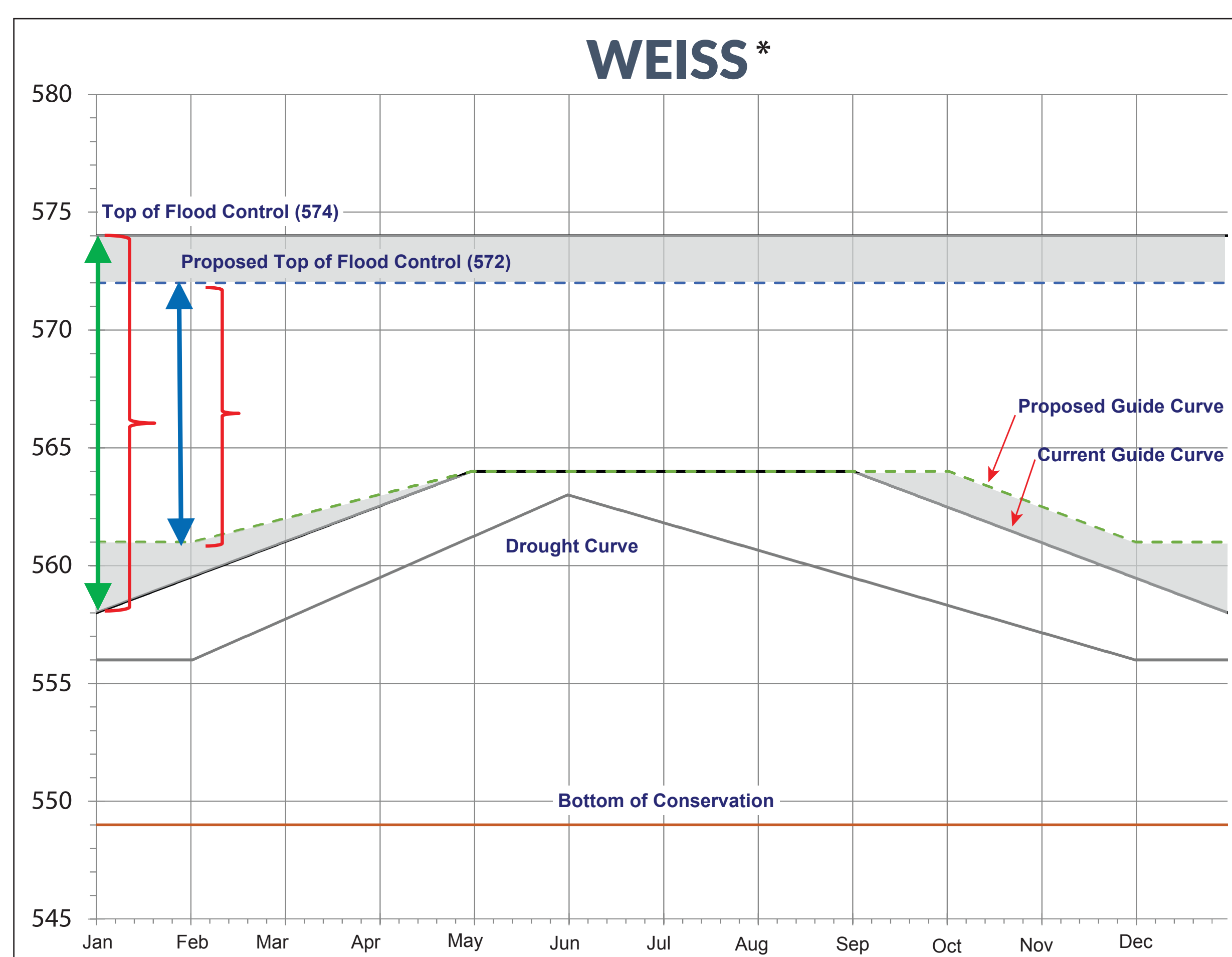
Alabama Power Company Proposed Changes

Weiss Proposal

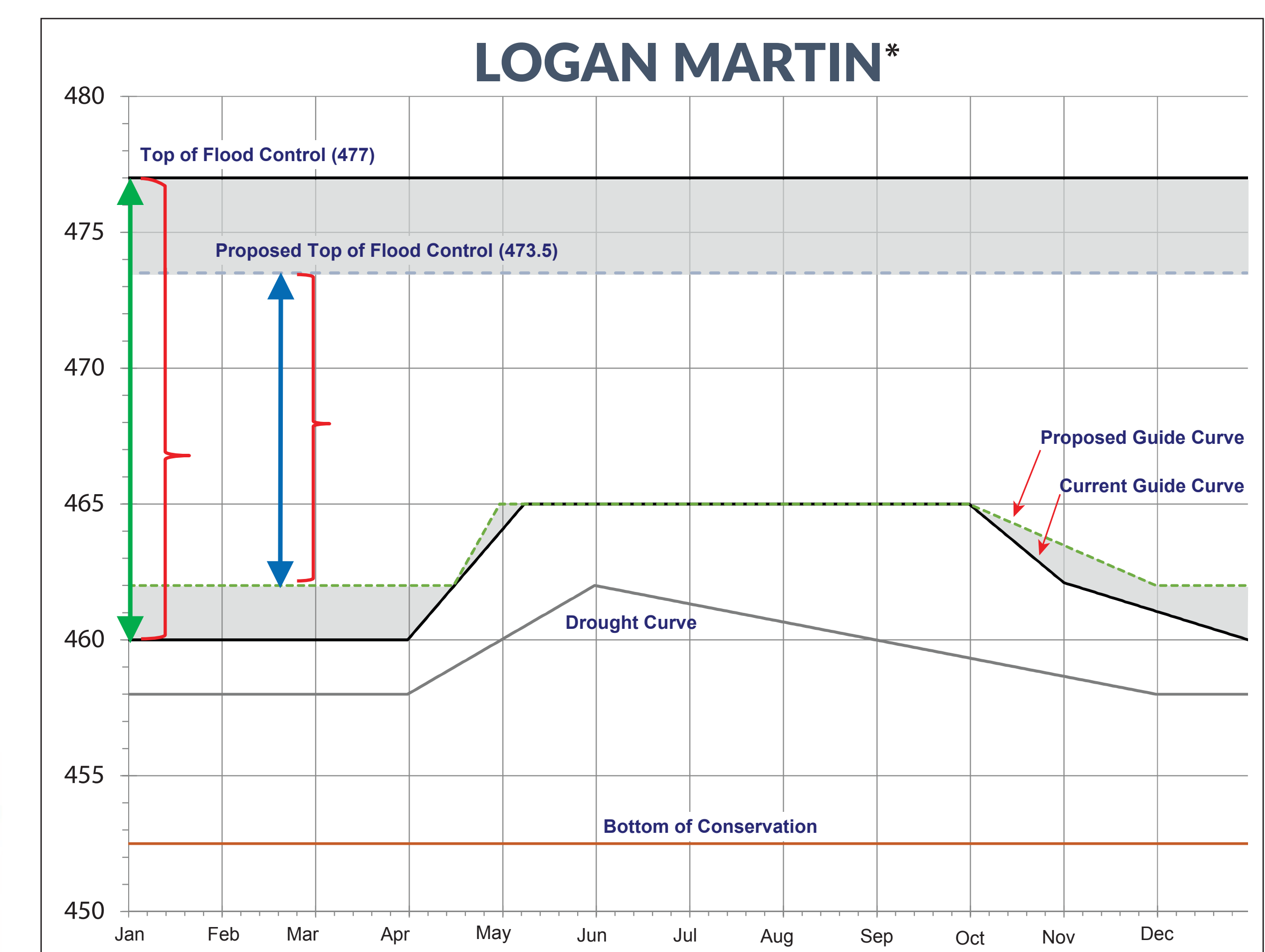
1. Raise Winter Level from **558** to **561**
2. Lower Top of Flood Control from **574** to **572**
3. Results in 30% reduction in Winter Flood Control Storage
4. Results in 24% reduction in Summer Flood Control Storage
5. During Surcharge Operation, Increase releases at same reservoir elevations

Logan Martin Proposal

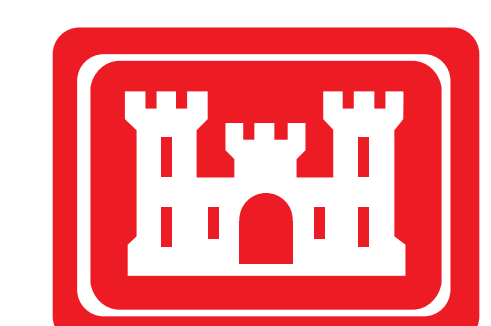
1. Raise Winter Level from **460** to **462**
2. Lower Top of Flood Control from **477** to **473.5**
3. Results in 35% reduction in Winter Flood Control Storage
4. Results in 35% reduction in Summer Flood Control Storage
5. During Surcharge Operation, Increase releases at same reservoir elevations



Example

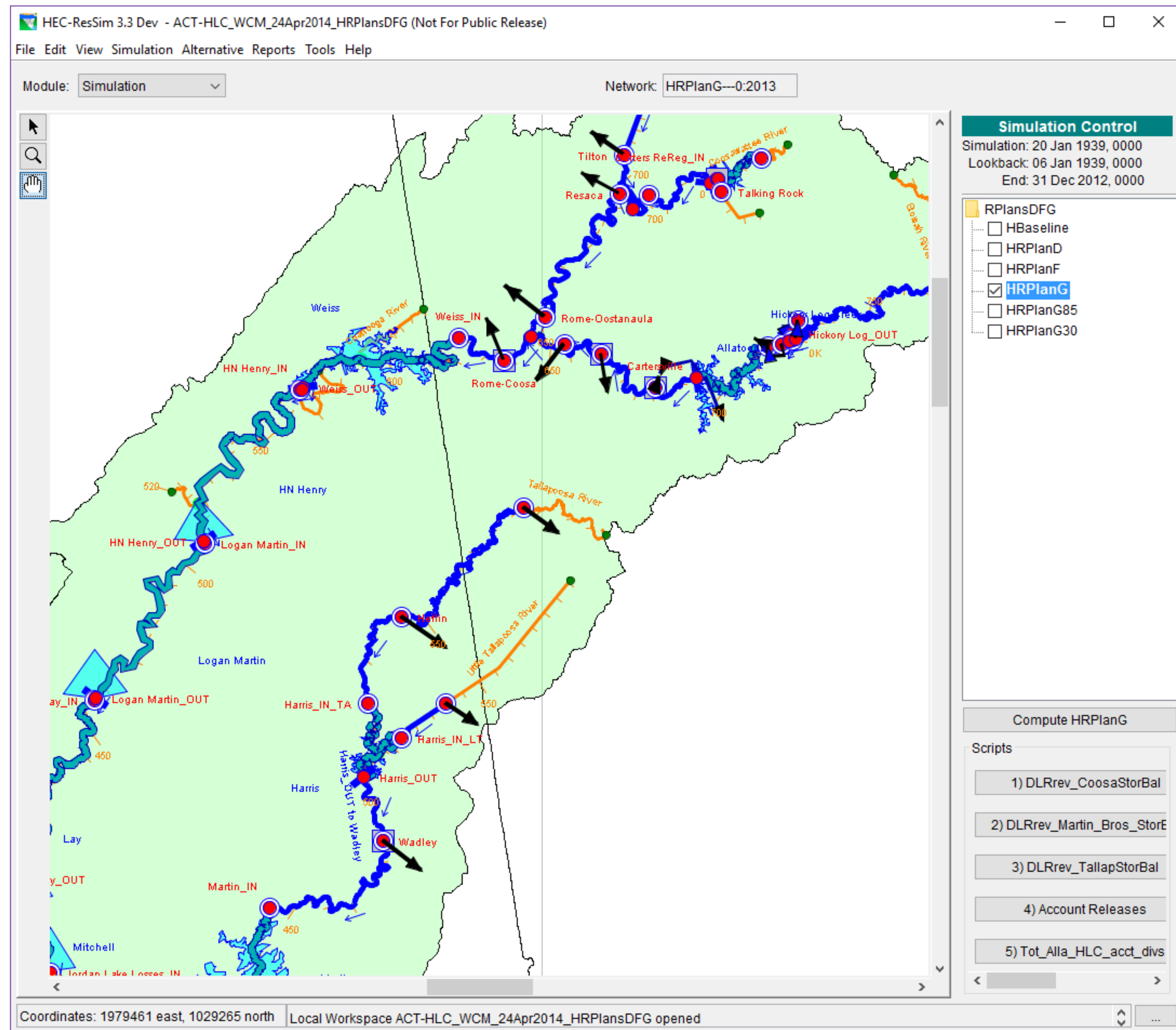


*Shaded areas = Loss in flood storage



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Reservoir System Simulation (HEC-ResSim) Software Developed by the U.S. Army Corps of Engineers



Release Decision Report: Allatoona

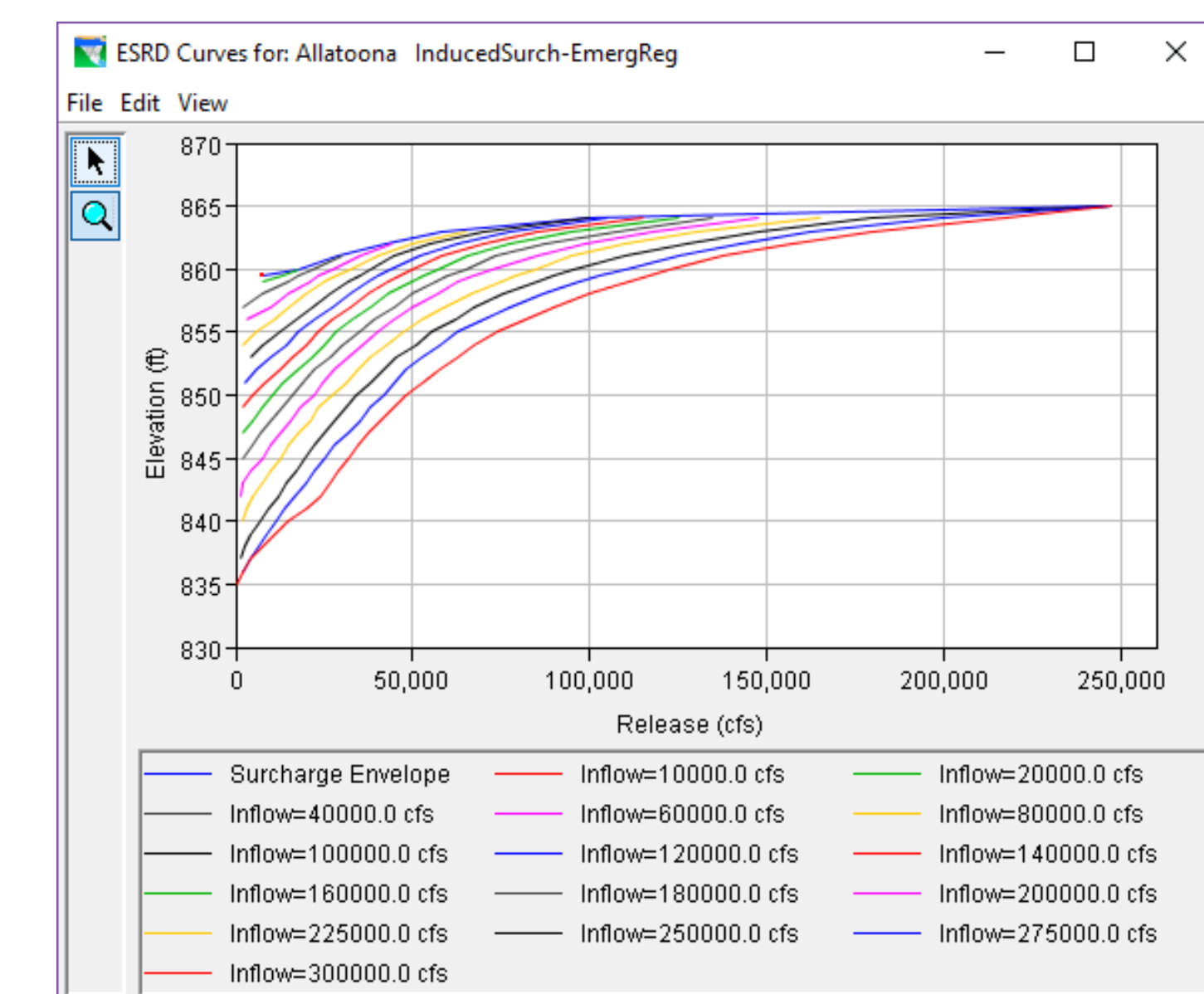
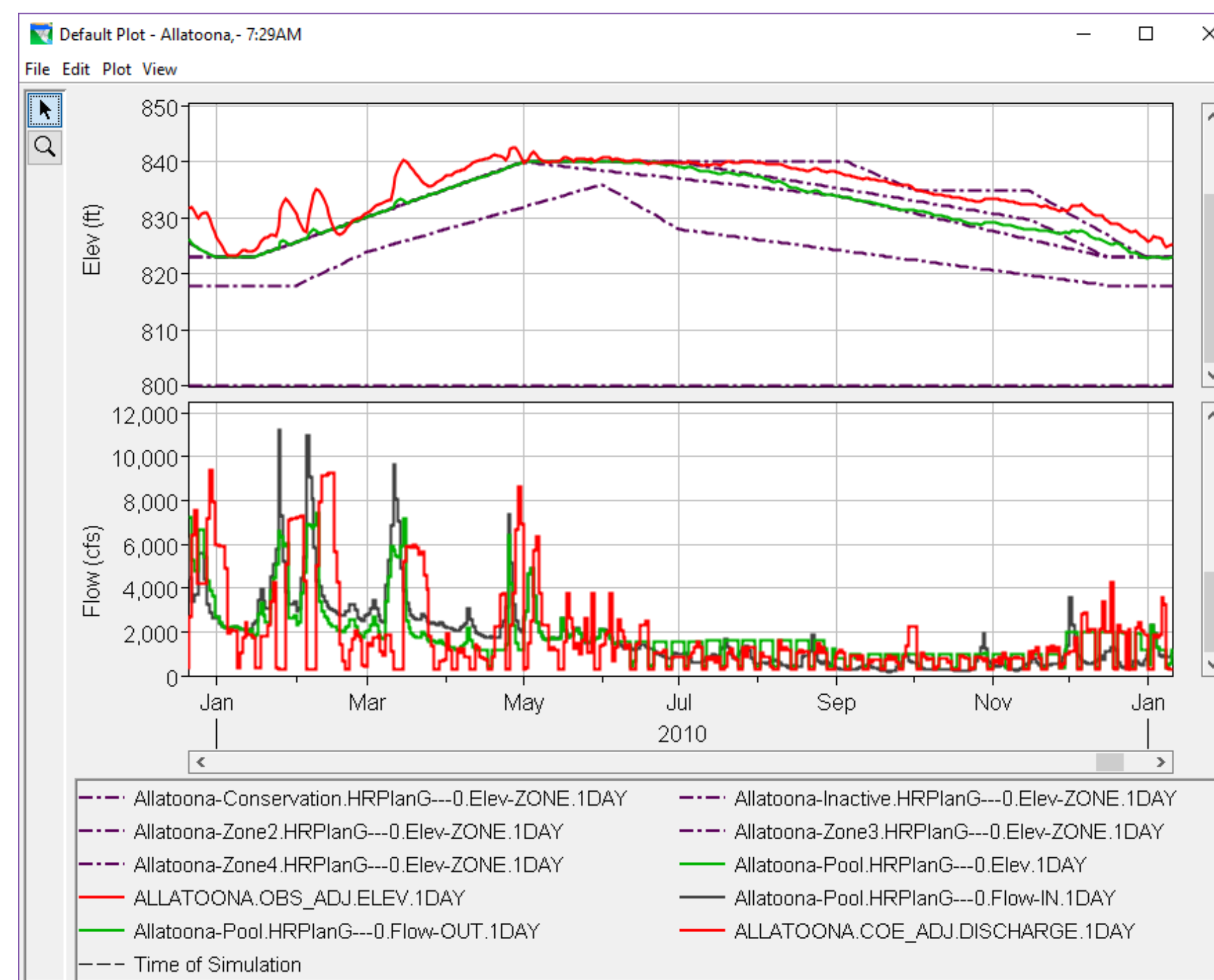
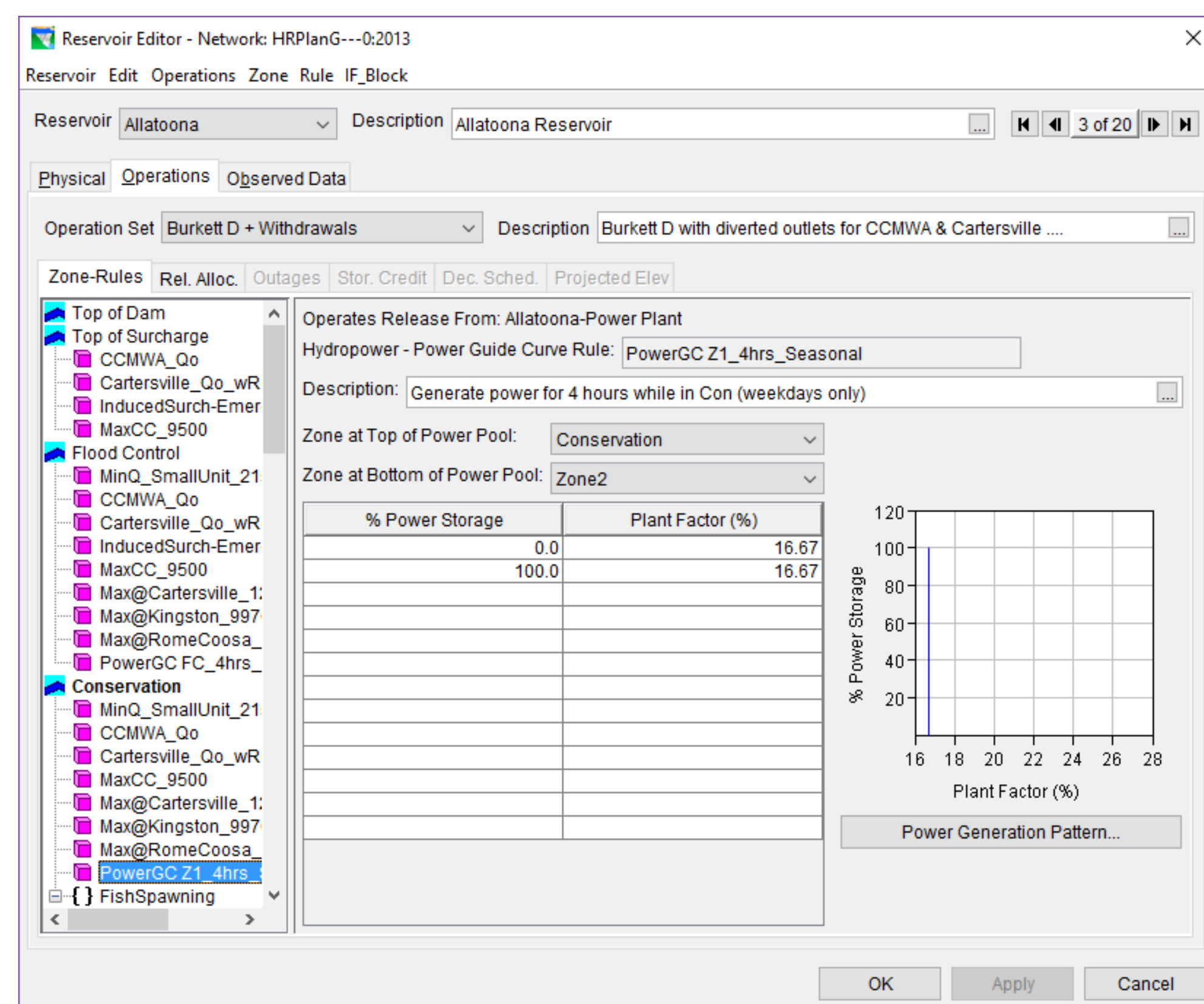
Alternative: HRPlanG--0.HRPlanG
Run: HRPlanG--0

Lookback: 06 Jan 1939, 0000
Start Time: 20 Jan 1939, 0000
End Time: 31 Dec 2012, 0000
Rule Key: GC=Guide Curve, RO=Release Override, EO=Elevation Override, ZB=Zone Boundary

Date-Time	Active Zone Elev (ft)	Net Inflow (cfs)	Allatoona Active Rule Flow (cfs)	-Dam Active Rule Flow (cfs)	-Dam L&O Uncontrolled Flow (cfs)
19Jan1939, 24:00	823.80	1,809.33	1,727.94	1,657.15	Unc
20Jan1939, 24:00	823.88	1,466.06	1,174.87	1,104.07	7%
21Jan1939, 24:00	824.12	1,306.57	360.79	290.00	7%
22Jan1939, 24:00	824.28	1,193.11	517.13	446.34	7%
23Jan1939, 24:00	824.27	1,115.16	1,176.56	1,105.77	7%
24Jan1939, 24:00	824.27	1,203.56	1,176.54	1,105.75	7%
25Jan1939, 24:00	824.38	1,617.00	1,176.77	1,105.98	7%

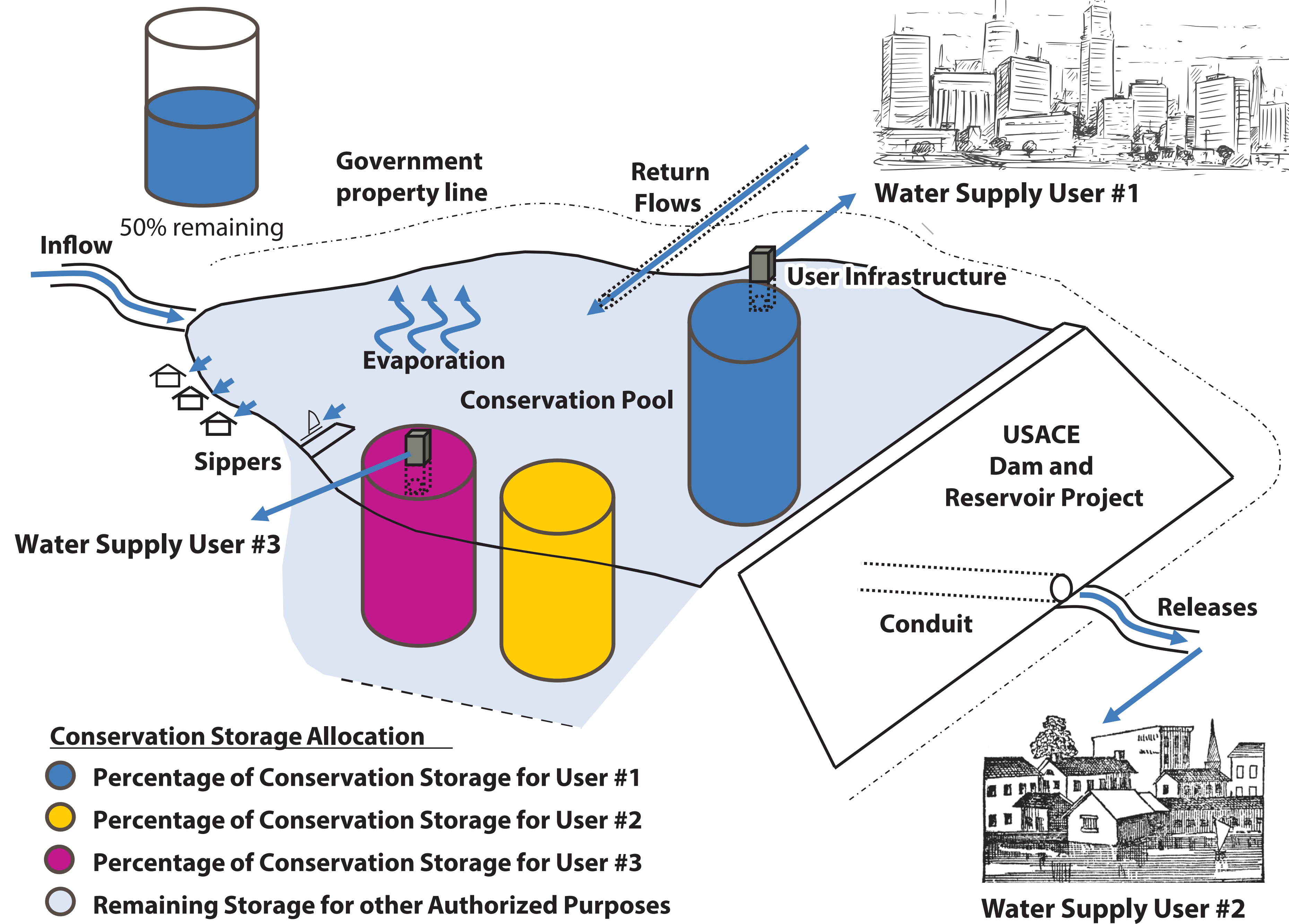
Sample Output Variables

Pool Elevation	Streamflow
Inflow	Stage
Discharge	Storage
Hydropower	Net Withdrawal
Evaporation	State Variable

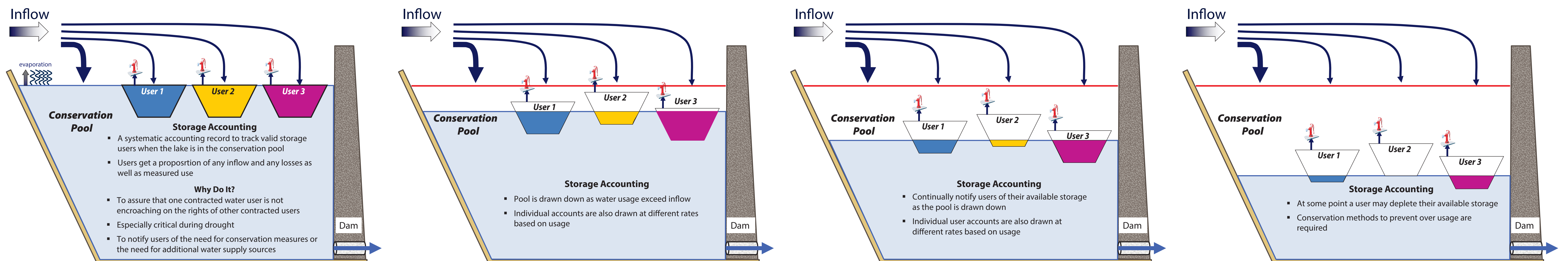


Proposal for Storage Accounting

Water Supply Storage Agreements

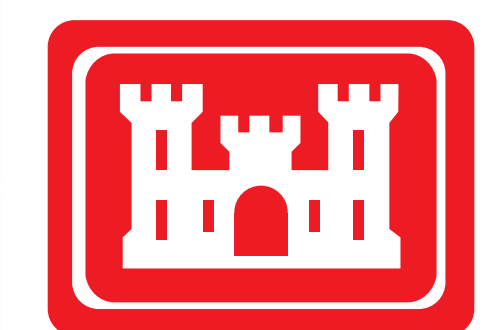
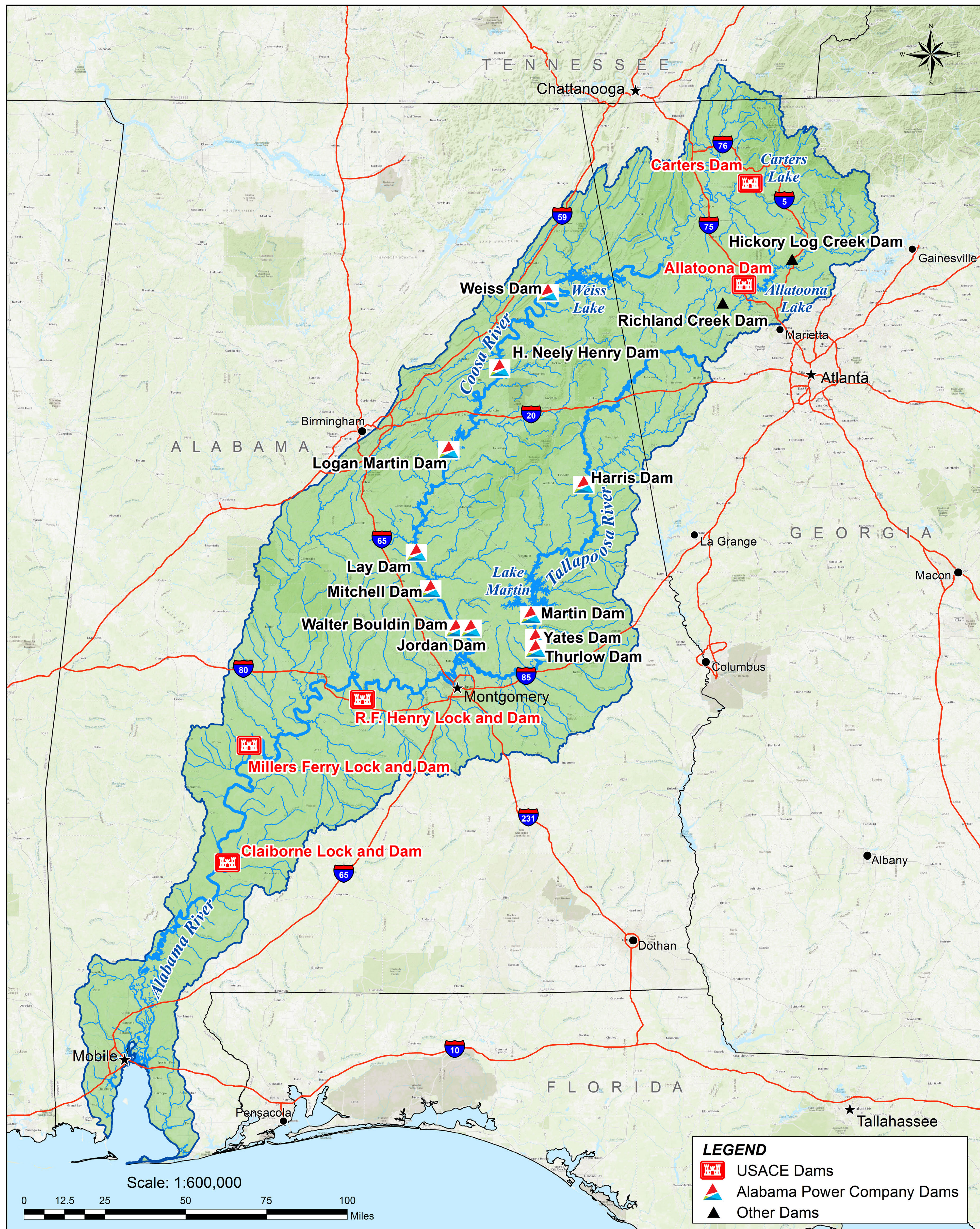


Storage Accounting Example



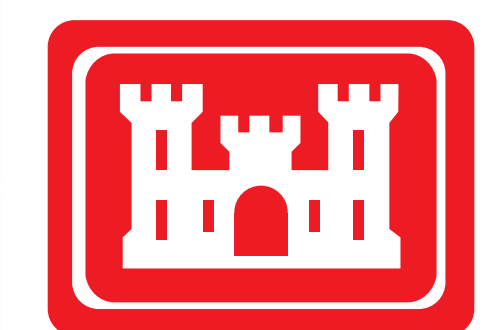
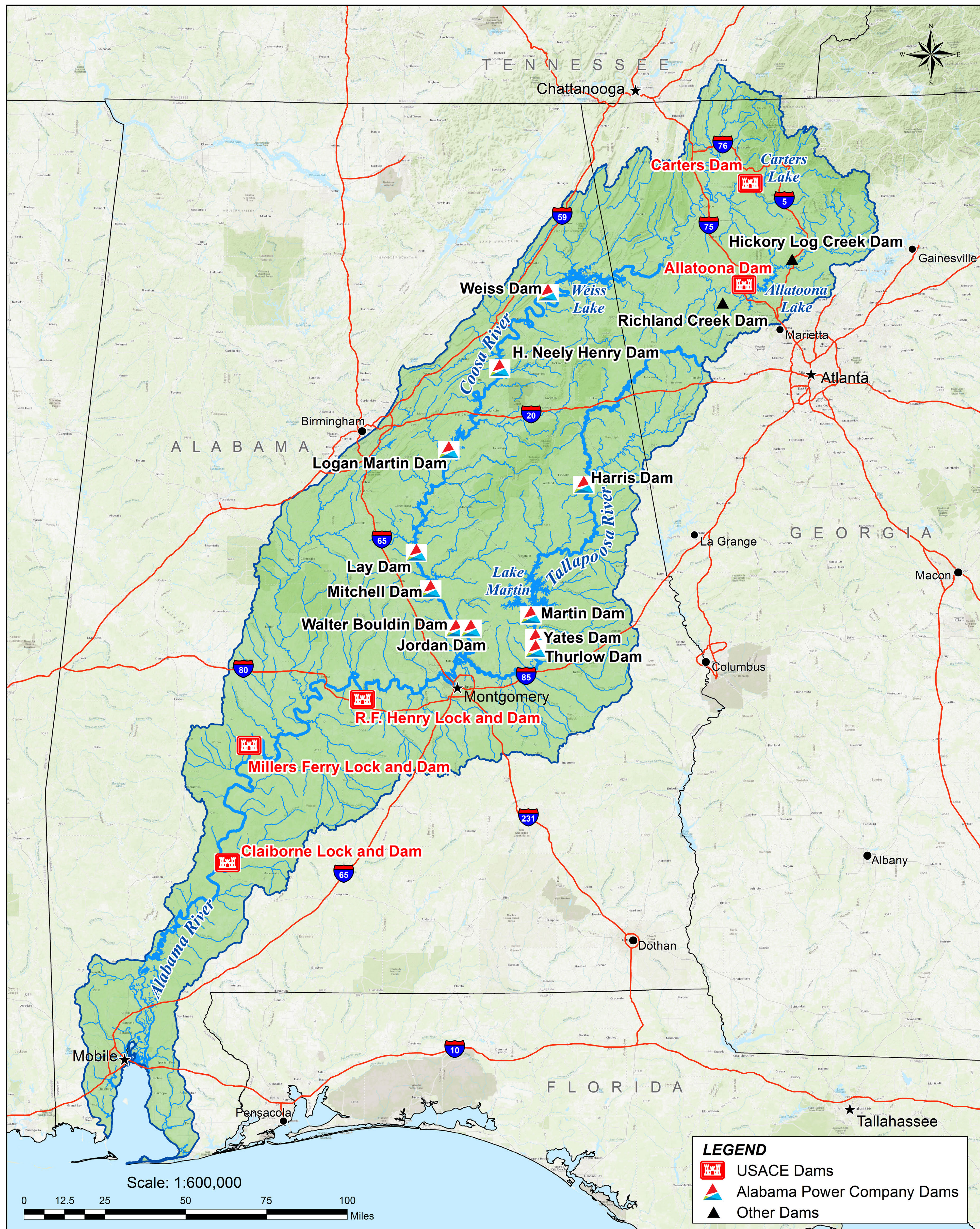
Formula: $\text{End Storage} = \text{Beginning Storage} + \text{Inflow Share} - \text{Loss Share} - \text{User's Usage}$

ACT River Basin



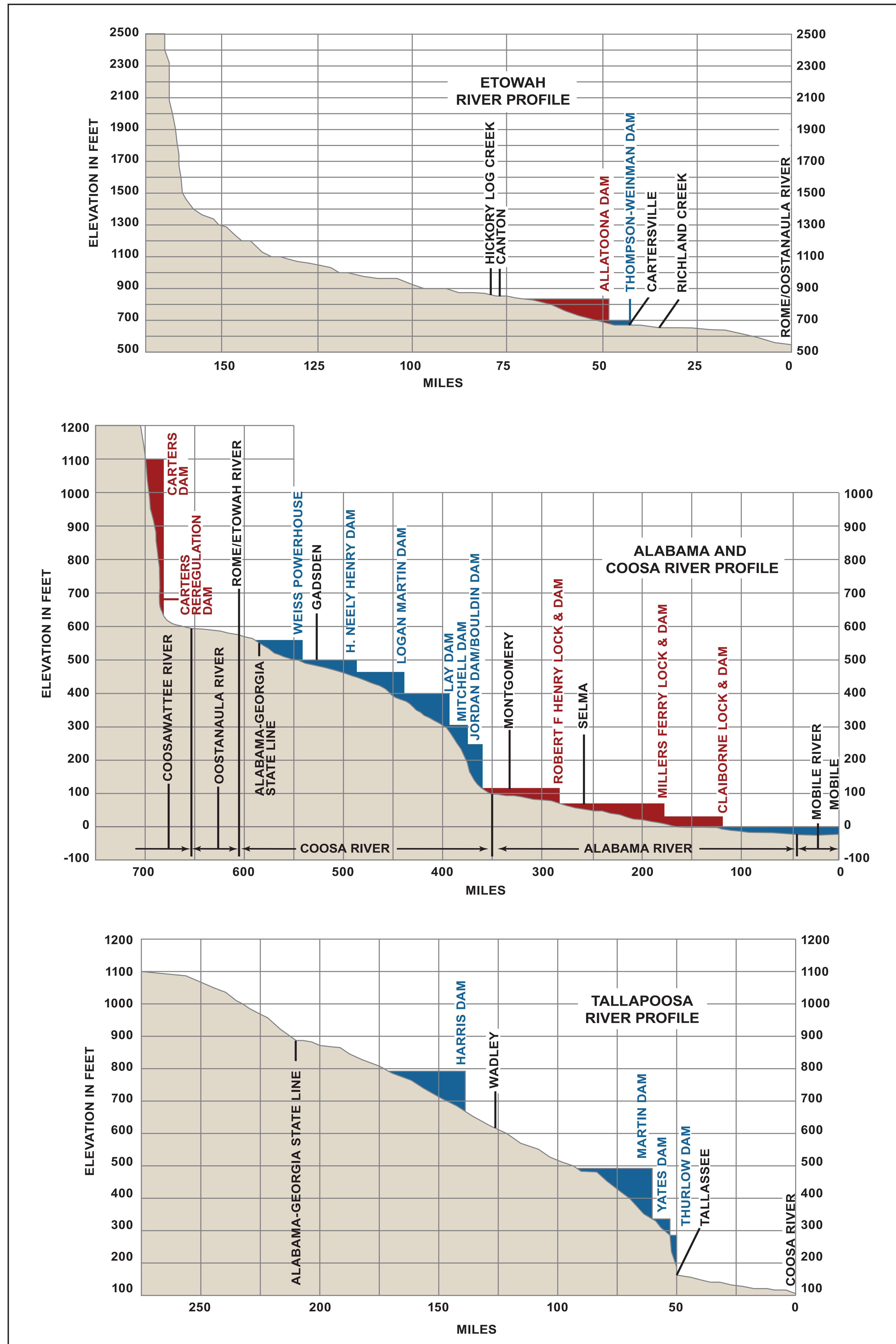
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ACT River Basin Profiles



Legend	
■	Federal Reservoir
■	Non-federal Reservoir

The **river profile** shows how a river's gradient (or slope) changes as it flows from its source to its mouth. The river profile is created by plotting the elevation of the river above sea level at various points over its entire course. These river profiles also depict key locations and features along the length of the river, such as reservoirs, dams, cities, state lines, and confluences with other major tributaries and rivers.

Submit Comments

Submit your scoping comments on the Allatoona Lake Water Supply Storage Reallocation Study and the Updates to the Weiss and Logan Martin Reservoirs Project WCMs by August 15, 2018, in one of the following ways:

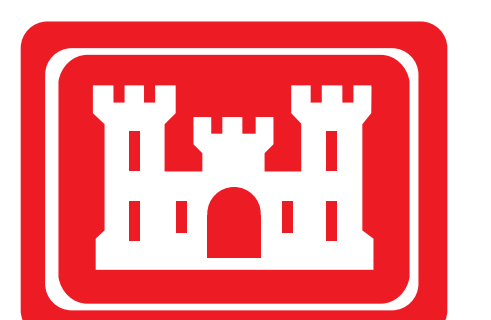
- Submit comments on comment forms
- Provide verbal comments at the court reporter station
- Email comments to **ACT-ACR@usace.army.mil**
- Mail comments to:

USACE Mobile District Commander

ATTN: PD-EI (ACT-ACR)

P.O. Box 2288

Mobile, AL 36628-0001



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Mobile District

Court Reporter

If you would like your verbal comments to become part of the public record, please make your statement to the court reporter. If you prepared a written statement, please leave it with the court reporter.

