

ALLATOONA RESERVOIR WATER SUPPLY STORAGE REALLOCATION AND COOSA BASIN FLOOD POOL REALLOCATION STUDY

Southeastern Federal
Power Alliance
17 APR 2018



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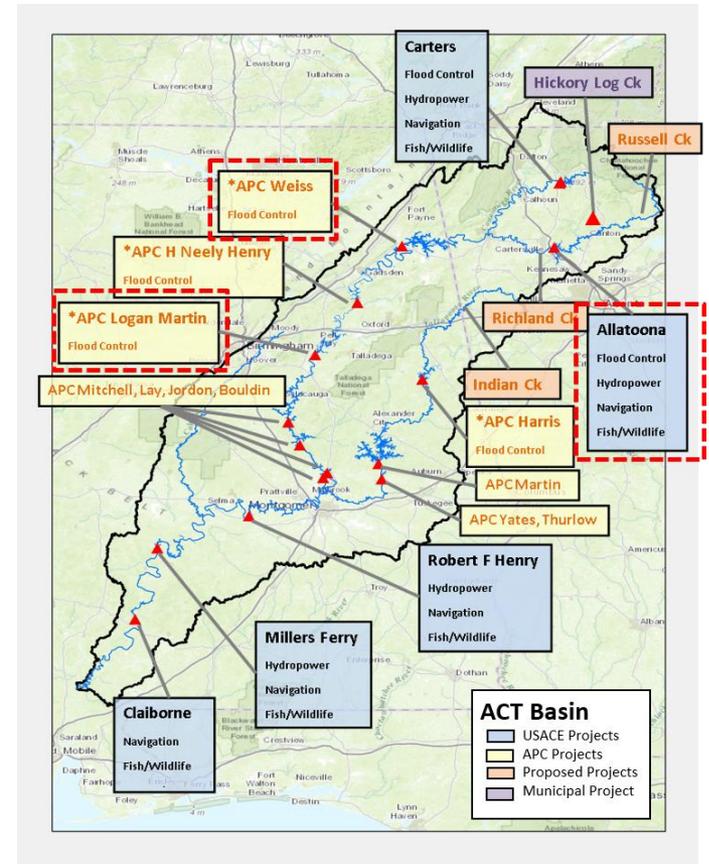


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AGENDA

- Provide background on the Alabama-Coosa-Tallapoosa River Basin (ACT) Water Control Manual Update
- Discuss litigation activities related to ACT Water Control Manual Update and reallocation
- Discuss combined Allatoona Water Supply Reallocation Study and the Coosa Basin Flood Pool Reallocation Study
- Timeline for Completion



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ACT WCM UPDATE

✓ Background

- Initiated October 2007
- 1 master manual, 7 project manuals, 1 Environmental Impact Statement (EIS)
- Based on existing water supply policies and contracts
- Water Control Manuals approved and Record Of Decision signed by the South Atlantic Division (SAD) Commander – 7 May 2015

✓ Approved Operational Changes

- Basin-wide drought management plan
- Seasonal navigation releases
- Basin-wide Environmental Impact Statement coverage
- Revised action zones and guide curves (Allatoona), revised action zones (Carters)
- Seasonal minimum flows at Carters for aquatic environment
- Hydropower schedule modifications

X What wasn't addressed

- Long-term water supply requirements from Allatoona Reservoir
- Disagreements regarding storage accounting
- Hickory Log Creek Reservoir flow through conveyance proposal
- Logan Martin and Weiss Dams flood easement concerns
- Local residents desires for higher winter pool levels



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ACT Basin Litigation Actions

Northern District of Georgia 29 Sep 2017 Order in Georgia et. Al. v. USACE:

- State of Georgia, Cobb County Marietta Water Authority and Atlanta Regional Commission
- ...”The parties are ORDERED to meet and confer in an attempt to reach a mutual agreement on the Corps' time for response. In the event the parties are unable to reach such an agreement within 30 days, the Court will allow each party to submit a proposal, along with supplemental briefing to support their positions.”

Merits of the Case: Court ruled in USACE favor on 3 of 4 counts

Unreasonable Delay: Failure to act upon the request(s) for additional water storage at Allatoona within a reasonable period of time.

National Environmental Policy Act (NEPA): The final EIS fails to meet applicable legal standards.

Freedom of Information Act (FOIA): Failure to provide pertinent documents under FOIA (resolved).

Administrative Procedures Act (APA): Abuse of discretion in updating only the operational portions of the water control manuals rather than everything including a water control plan for Allatoona.



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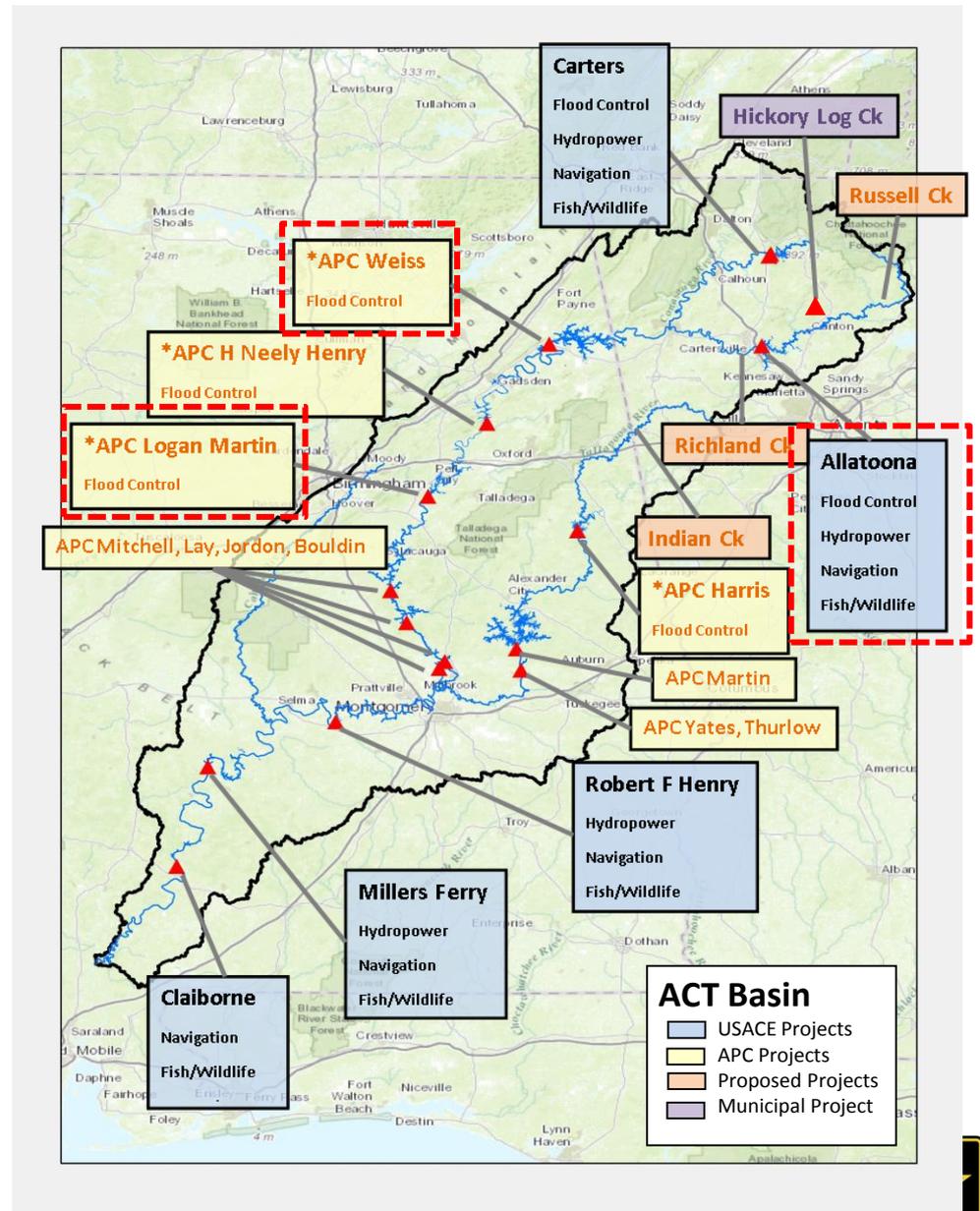


STUDY EFFORTS

Allatoona Water Supply Reallocation

Coosa River Flood Operation Evaluation

- APC Weiss
- APC Logan Martin
- APC H Neely Henry



STATE OF GEORGIA

UPDATED WATER SUPPLY REQUEST

- Received 30 MAR 2018
- 2050 Water Supply need from Allatoona Reservoir is 94 Million Gallons Per Day (MGD)
 - 57 MGD for Cobb County Marietta Water Authority
 - 37 MGD for City of Cartersville
- Assumes full credit for Hickory Log Creek Reservoir releases
- Assumes water supply storage request is based on net storage vs. gross storage
- Recommends that USACE consider:
 - Alternative storage accounting methodology
 - Utilization of pass through conveyance
 - Return Flow crediting practice

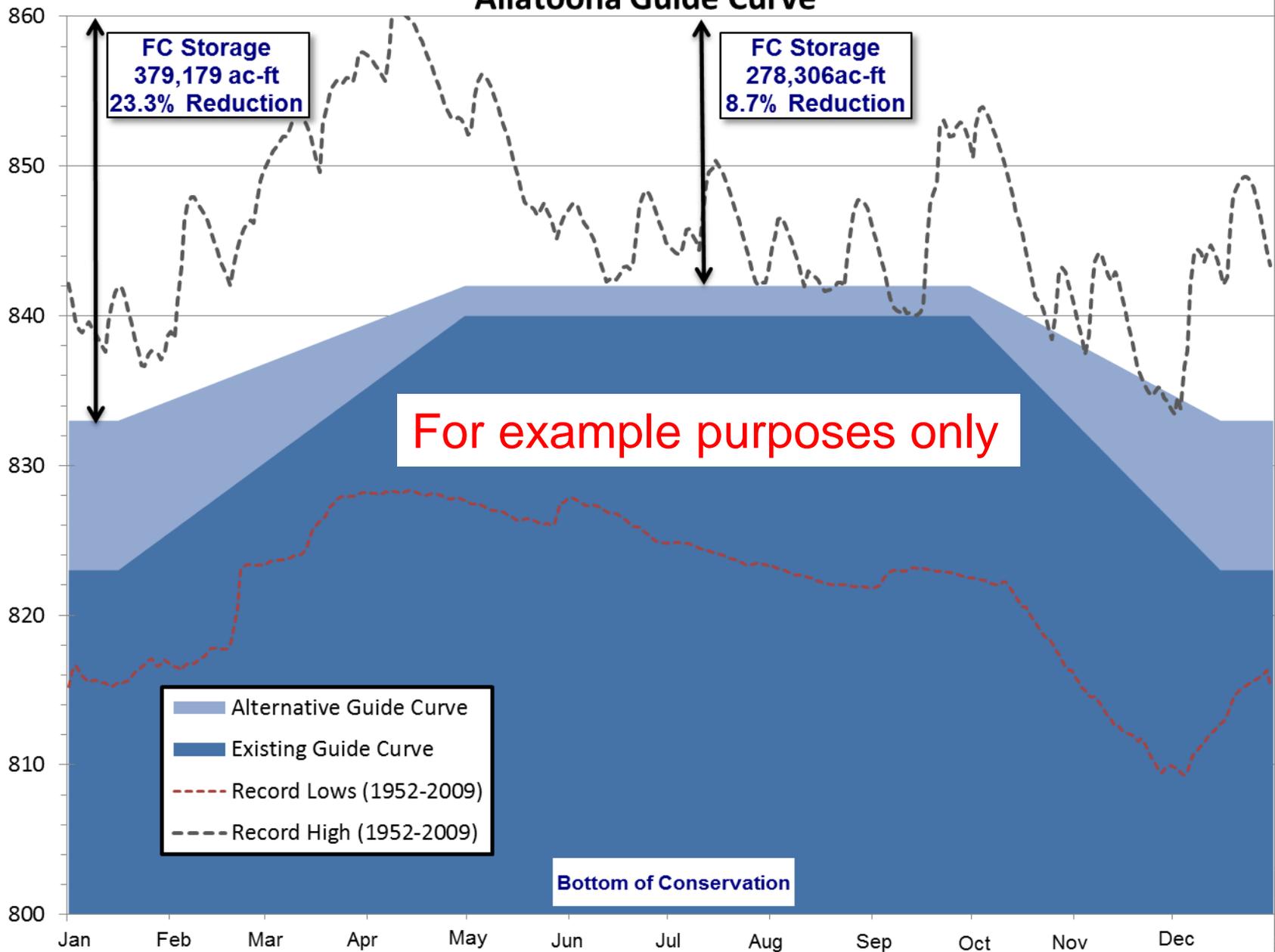


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Allatoona Guide Curve



FC Storage
379,179 ac-ft
23.3% Reduction

FC Storage
278,306 ac-ft
8.7% Reduction

For example purposes only

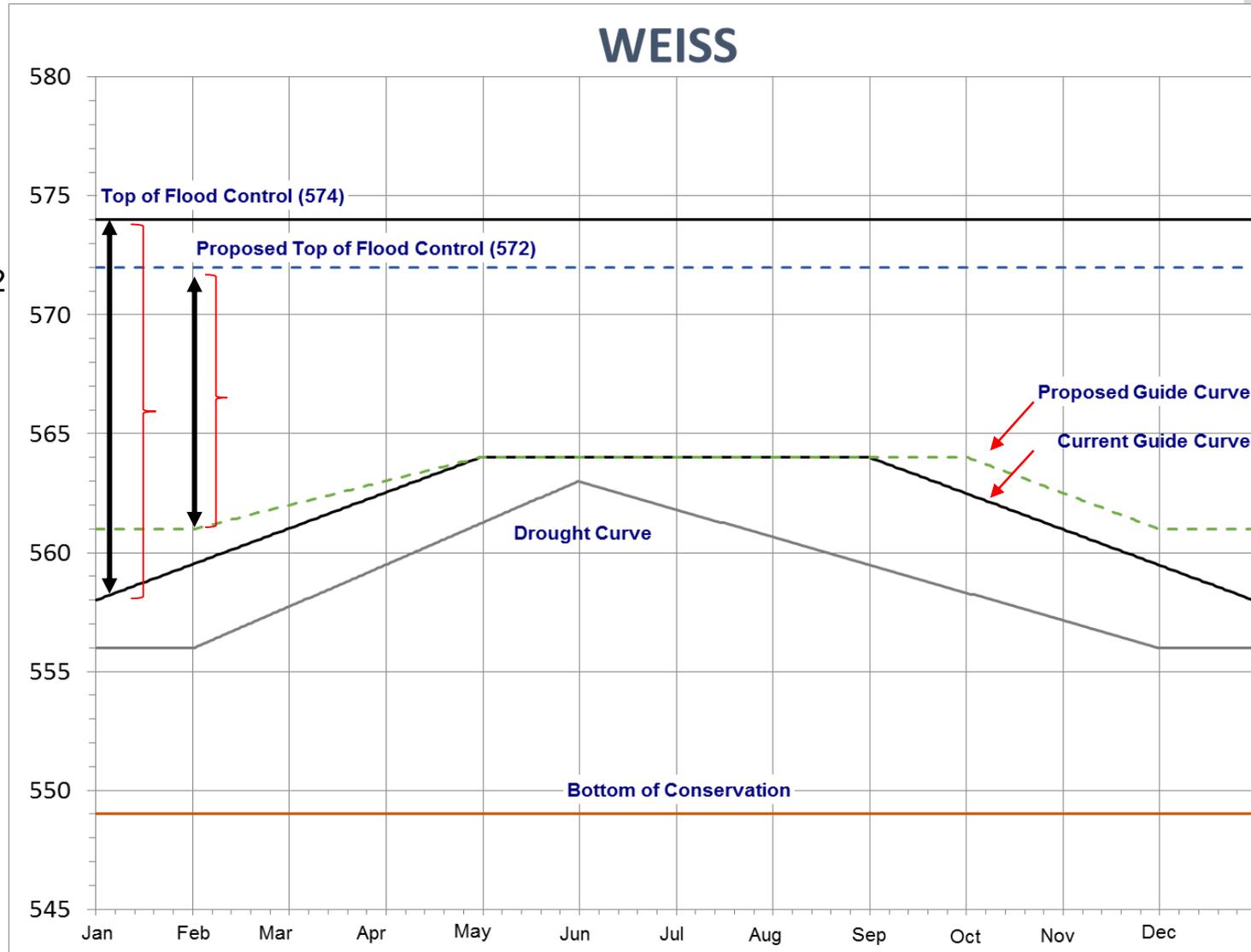
- Alternative Guide Curve
- Existing Guide Curve
- Record Lows (1952-2009)
- Record High (1952-2009)

Bottom of Conservation

WEISS PROPOSED CHANGE

APC Proposal

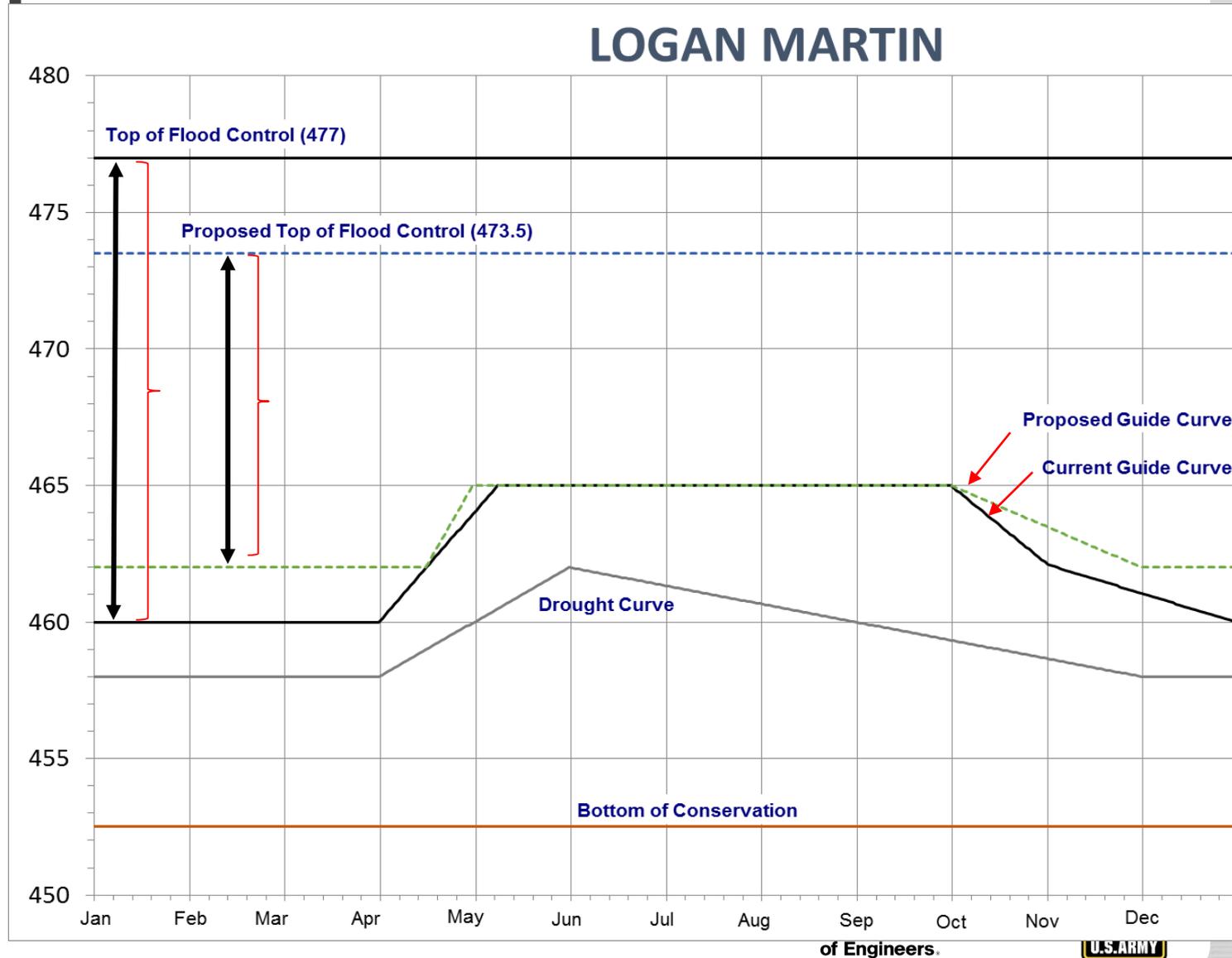
1. Raise Winter Level from 558 to 561
2. Lower Top of Flood Control from 574 to 572
3. Results in 30% reduction in Winter Flood Control Storage
4. Results in 24% reduction in Summer Flood Control Storage
5. During Surcharge Operation, Increase releases at same reservoir elevations



LOGAN MARTIN PROPOSED CHANGE

APC 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 Surge Operation, Increase releases at same reservoir elevations



ANTICIPATED TIMELINE

- Notice of Intent – May 2018
- Public Scoping – Fall 2018
- Draft EIS/SEIS – Fall 2019
- Final EIS/SEIS – Fall 2020
- Record of Decision – March 2021



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QUESTIONS?



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