

B. Everett Jordan Reservoir Water Supply Storage Allocation

Don Rayno
Division of Water Resources

North Carolina
Department of Environment and Natural Resources

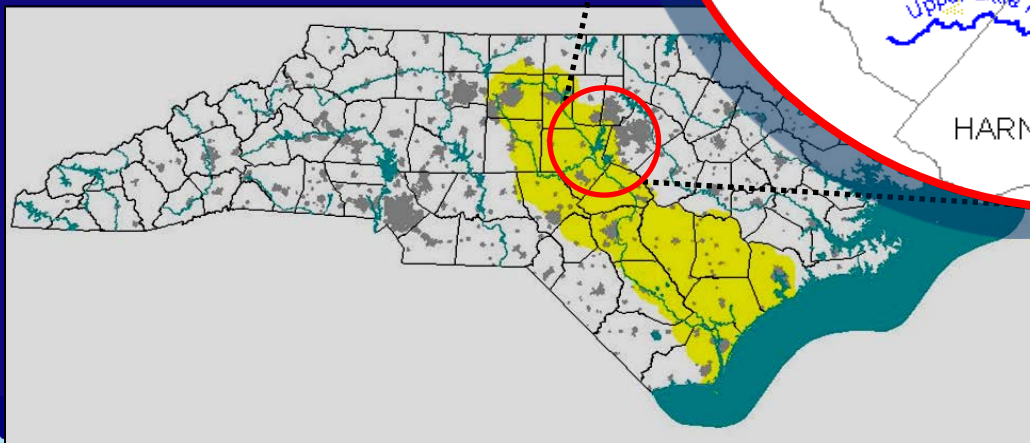




Objectives

- Project description
- Context for EMC
- Allocation process
- Current status
- Schedule
- Questions

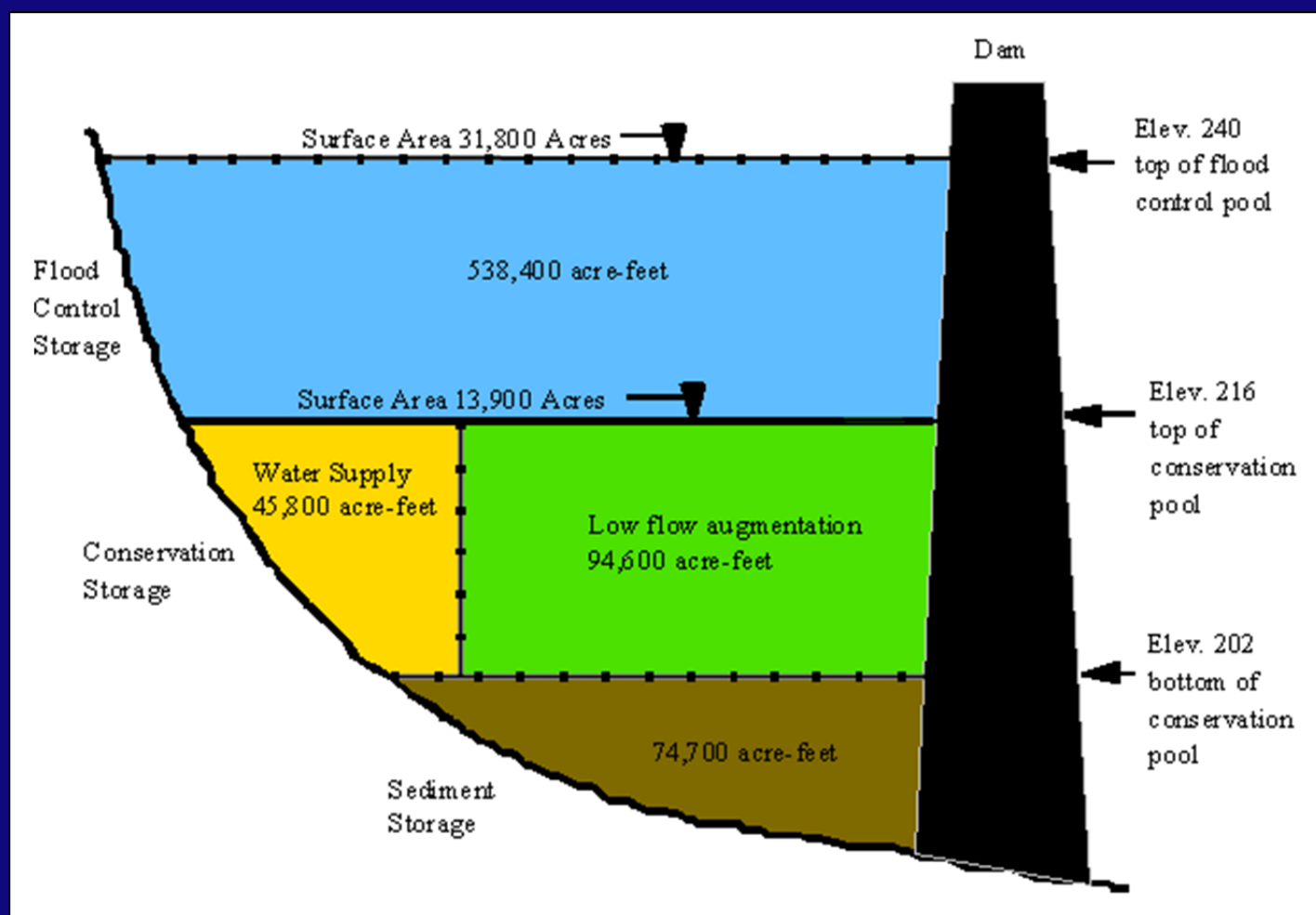
Jordan Lake Overview



Description

- B. Everett Jordan Project 1967-1982
- Built and operated by the Army Corps of Engineers for:
 - Flood Control
 - Water Quality
 - Water Supply
 - Recreation
 - Fish and Wildlife Conservation
- State of North Carolina partnered with the Federal Government to include water supply storage
- EMC responsible for allocating water supply storage to units of local government that request it GS 143-354(a)(11)

Reservoir Storage Allocation





Allocation (15A NCAC 2G .0500)

- 2 Levels (affects repayment costs)
 - Level 1 20-year need and use within 5 years
 - Level 2 up to 30-year need
- 30 day comment period upon receipt of applications
- Limit diversions off the watershed to 50% of yield
- “Coordinate” review of diversions off watershed with review of allocation request
- Assign, reassign, or transfer allocations based on needs, alternative sources available, average degree of utilization, financial commitment, effects on yield, and the level of cooperation with other local governments



Application

- Projected population and water use
- Service area
- Available water sources
- Yield, quality, and cost of water sources other than JL that could provide water; including regionalization
- Conservation and demand management plans
- Plans to use JL water
 - Intake, treatment, wastewater treatment, cooperative arrangements, development schedule
- Cost of developing each alternative source
- Financial commitment for JL storage



Current Status

- 60% - Level 1 allocations
- 3% - Level 2 allocations
- 37% - Unallocated
 - Decisions based on alternative analysis using hydrologic model and a 50-year water supply plan
 - Preserving unallocated amount has been a priority
- EMC approval to initiate Round 4 of Jordan Lake water supply allocations January 14, 2010
 - Postponed decision on how to handle review of IBTs
 - Issue non-IBT allocations after review
 - Issue all allocations after review of all requests including those needing an IBT certificate

Current Schedule

Date	Jordan Lake Water Supply Allocations	Cape Fear River Basin Water Supply Plan	Cape Fear - Neuse River Basin Hydrologic Model
6/1/2013	Round 4 Application Instructions		
9/3/2013			Updated model
10/24/2013			Review of updated model
11/12/2013			Model Training
11/30/2013		Review Yield Estimate	EMC Model Approval
3/1/2014	Applicants submit draft applications.		
6/1/2014			
8/1/2014	Applicants submit final applications.	Draft Water Supply Plan	
		Draft Water Supply Plan -Comments	
11/13/2014	DWR will provide update to the EMC.		
3/11/2015	Water Supply Plan and DWR's Allocation Recommendations presented to Water Allocation Committee		
	Public review of Water Supply Plan and Allocation Recommendations		
9/9/2015	Respond to comments and revisions if necessary Present recommendations to EMC's Water Allocation Committee		
11/12/2015	EMC decision at the November 2015 meeting. (EMC has not determined their final procedures for making allocation determinations, if there are IBT's.)		

Questions?

For addition information about Jordan Lake water
supply allocations:

Contact don.rayno@ncdenr.gov

or

Visit the Division's Website at
www.ncwater.org



Current Allocations

Allocation Holder	Level I	Level II	Total
Towns of Cary and Apex	32	0	32
Chatham County	6	0	6
City of Durham	10	0	10
Town of Holly Springs	0	2	2
Town of Morrisville	3.5	0	3.5
Orange County	0	1	1
Orange Water & Sewer Authority	5	0	5
Wake County for RTP South	3.5	0	3.5
Total	60	3	63