

Saluda Hydro Relicensing Quarterly Public Meeting

Saluda Shoals Park

October 25, 2007



Upcoming Milestones

- Issuance of the Draft Application November 2007
- Draft Shoreline Management Plan January 2008
- Operational Modeling with
Resource Group Constraints January 2008
- Begin Development of Issue
Resolution Agreements April 2008

So you think we have it bad here.....

The effects of the 2007 drought on Southeastern Reservoirs

Alan Stuart and Alison Guth

Kleinschmidt Associates

Drought

- **Drought Intensity Categories**

- D1 ... Moderate Drought

- D2 ... Severe Drought

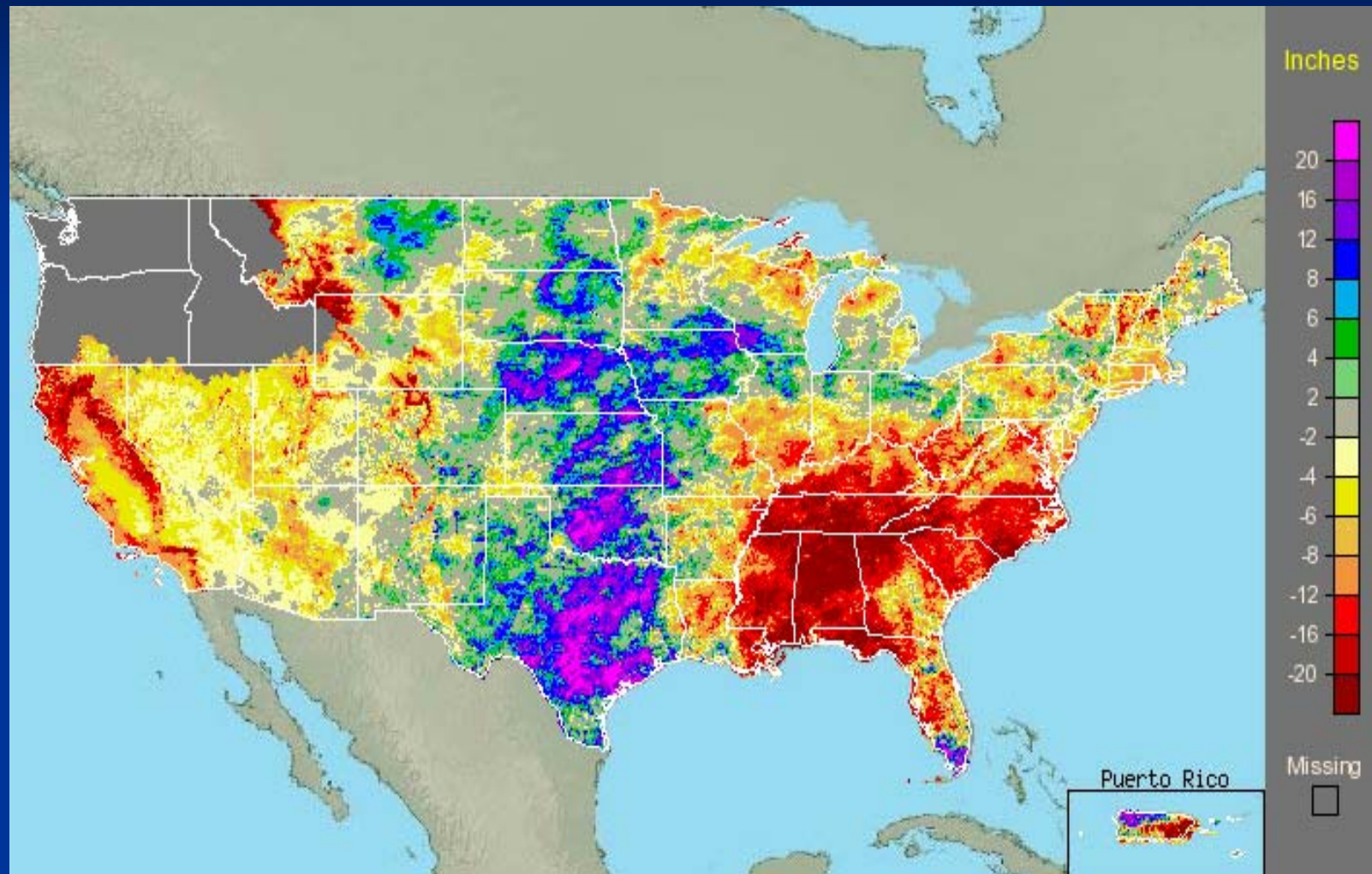
- D3 ... Extreme Drought

- D4 ... Exceptional Drought

- 26 % of the SE is under Exceptional Drought

- Mandatory Water Conservation at some level in all Southeastern States

Nationwide Departure of Normal Rainfall October 22, 2007



Rainfall deficits (in) for Select Southeastern Cities

■ Birmingham, AL	- 19.68
■ Columbia, SC	- 17.10
■ Atlanta, GA	- 16.62
■ Nashville, TN	- 16.65
■ Tallahassee, FL	- 15.69
■ Jackson, MS	- 15.67
■ Augusta, GA	- 12.32
■ Raleigh, NC	- 9.39

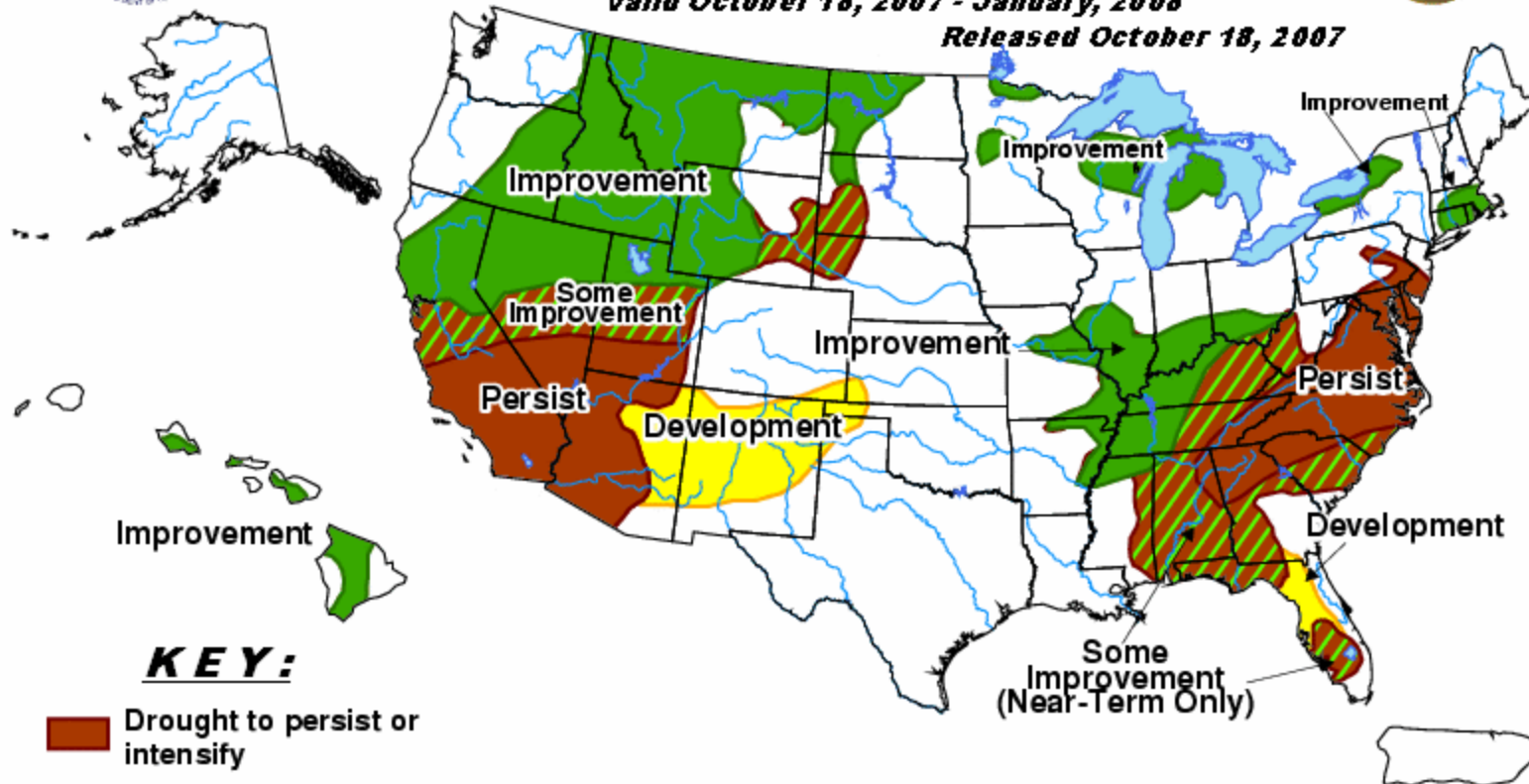


U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid October 18, 2007 - January, 2008

Released October 18, 2007



KEY:

-  Drought to persist or intensify
-  Drought ongoing, some improvement
-  Drought likely to improve, impacts ease
-  Drought development likely

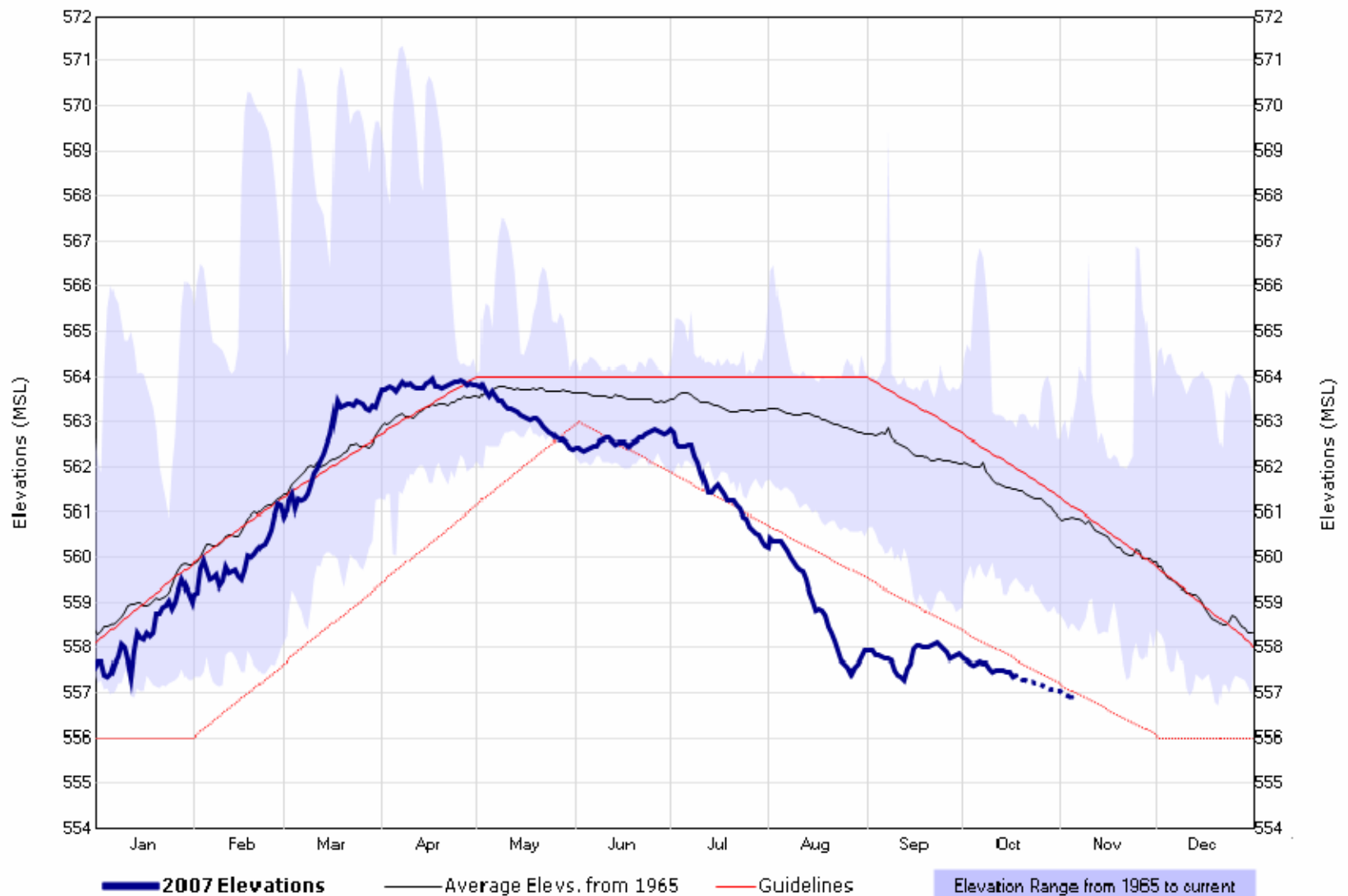
Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance. Use caution for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest U.S. Drought Monitor. NOTE: the green improvement areas imply at least a 1-category improvement in the Drought Monitor intensity levels, but do not necessarily imply drought elimination.



Lake Sizes

■ Lake Weiss	30,200 acres
■ Lake Martin	40,000 acres
■ Lake Allatoona	12,010 acres
■ Lake Lanier	38,000 acres
■ Lake Hartwell	56,000 acres
■ Lake Thurmond	70,000 acres
■ Lake Murray	48,000 acres

Alabama Power - WEISS

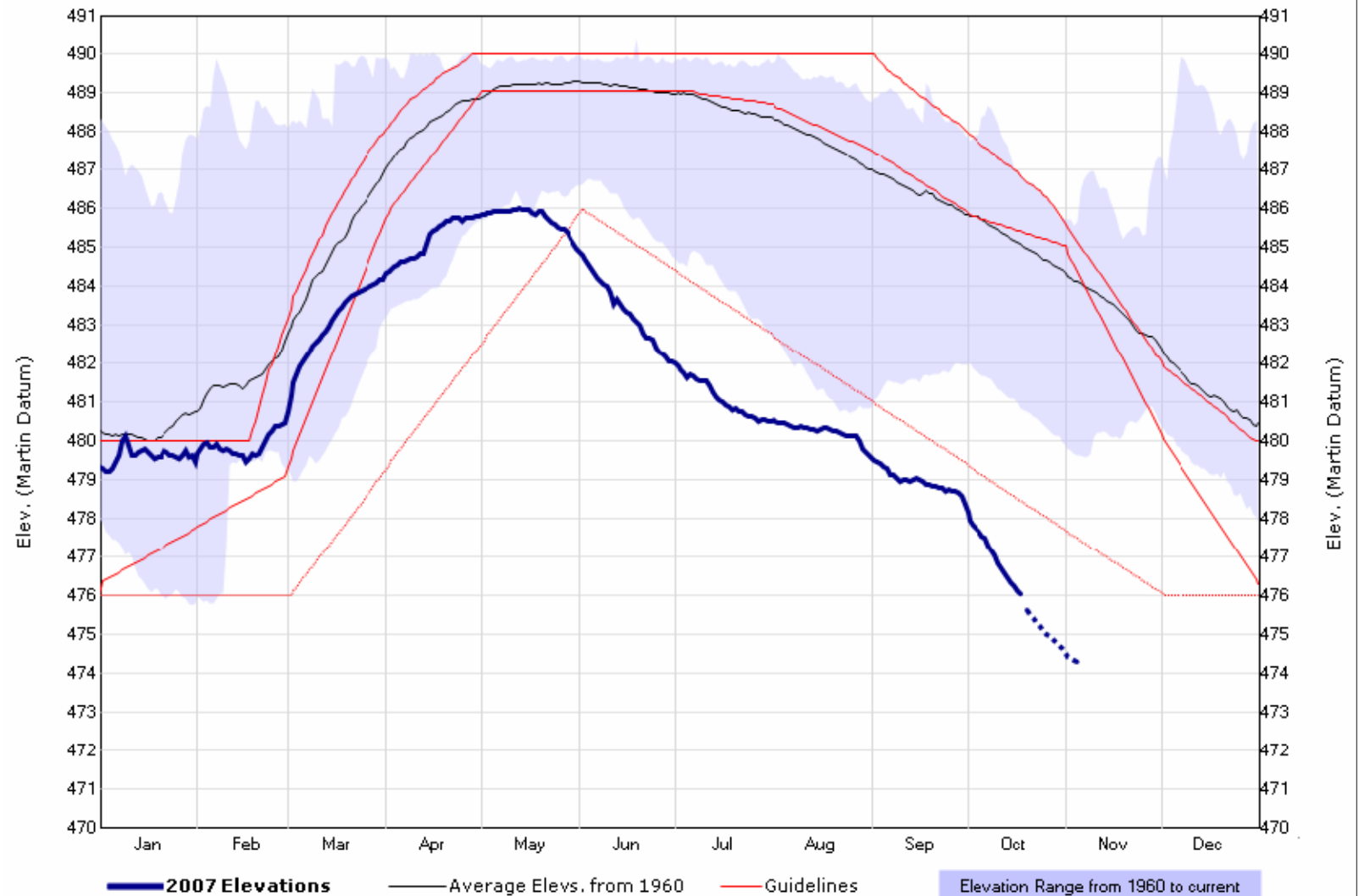


Copyright 2007 Alabama Power
Plotted@10/19/2007 9:22 AM

Year 2007

Dashed line is our estimate of where the lake will be in the coming days. Many of the factors we use to make this projection are subject to change. Use as you would a weather forecast.

Alabama Power - MARTIN

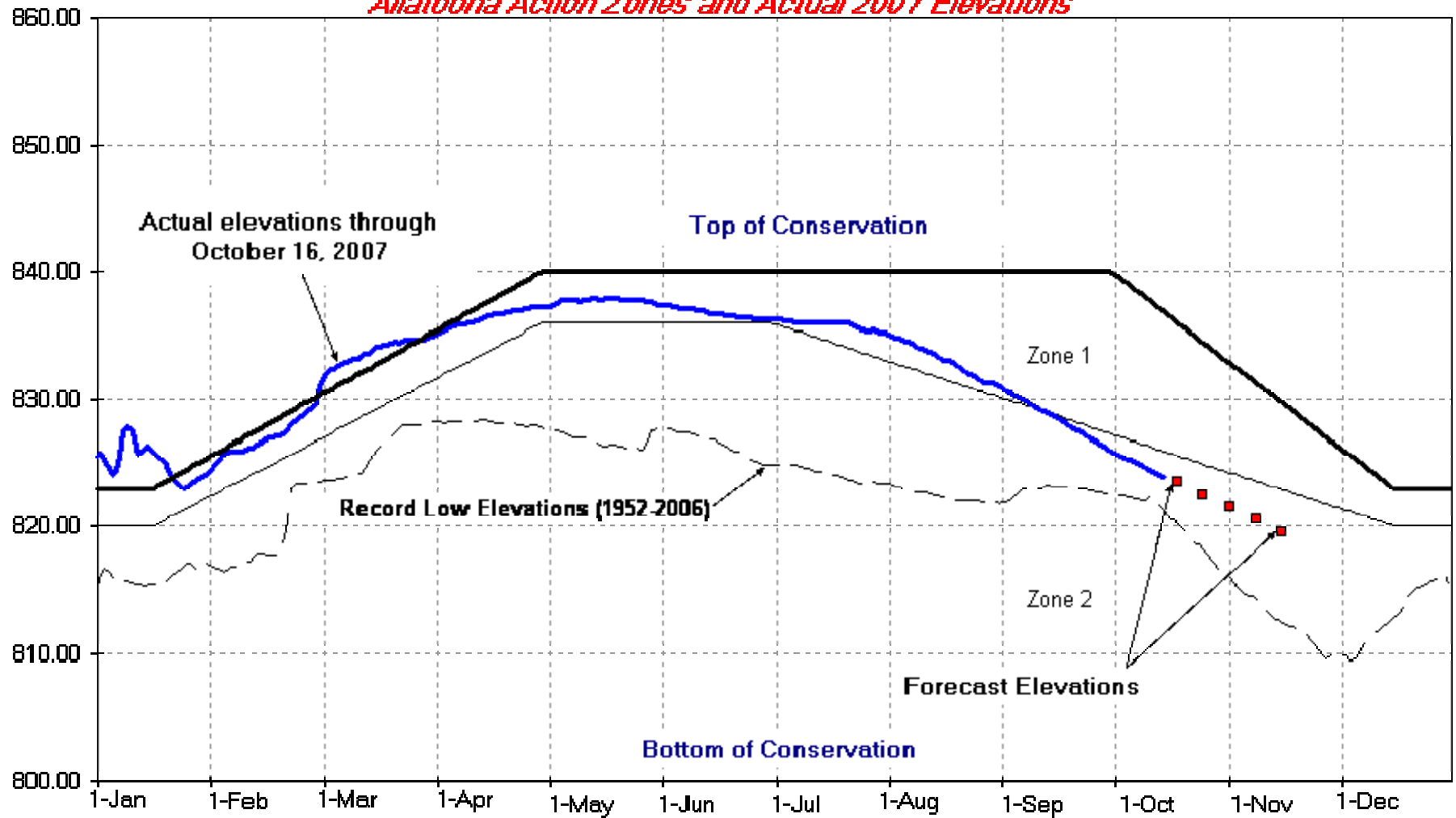


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Year 2007

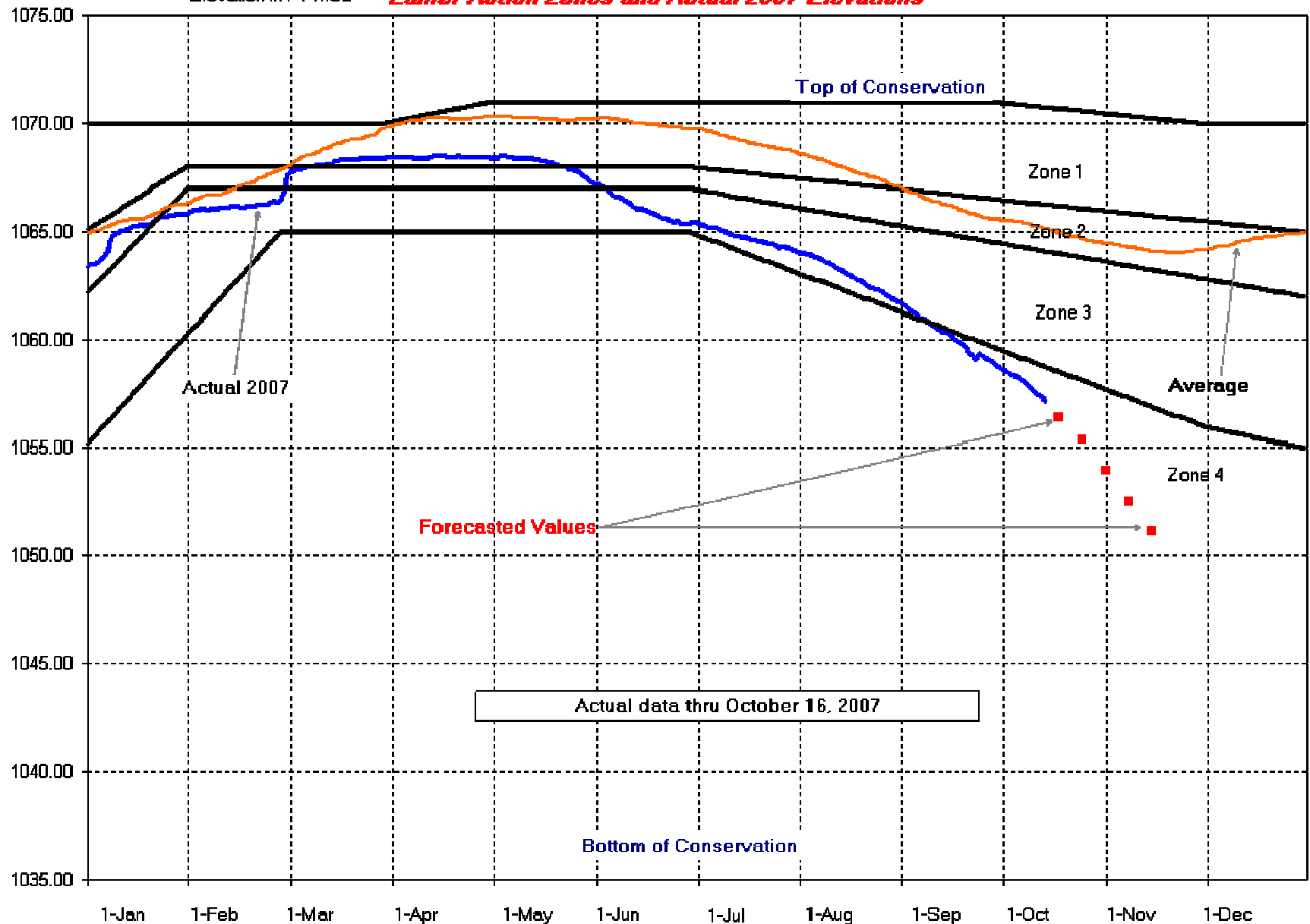
Dashed line is our estimate of where the lake will be in the coming days. Many of the factors we use to make this projection are subject to change. Use as you would a weather forecast.

Allatoona Action Zones and Actual 2007 Elevations



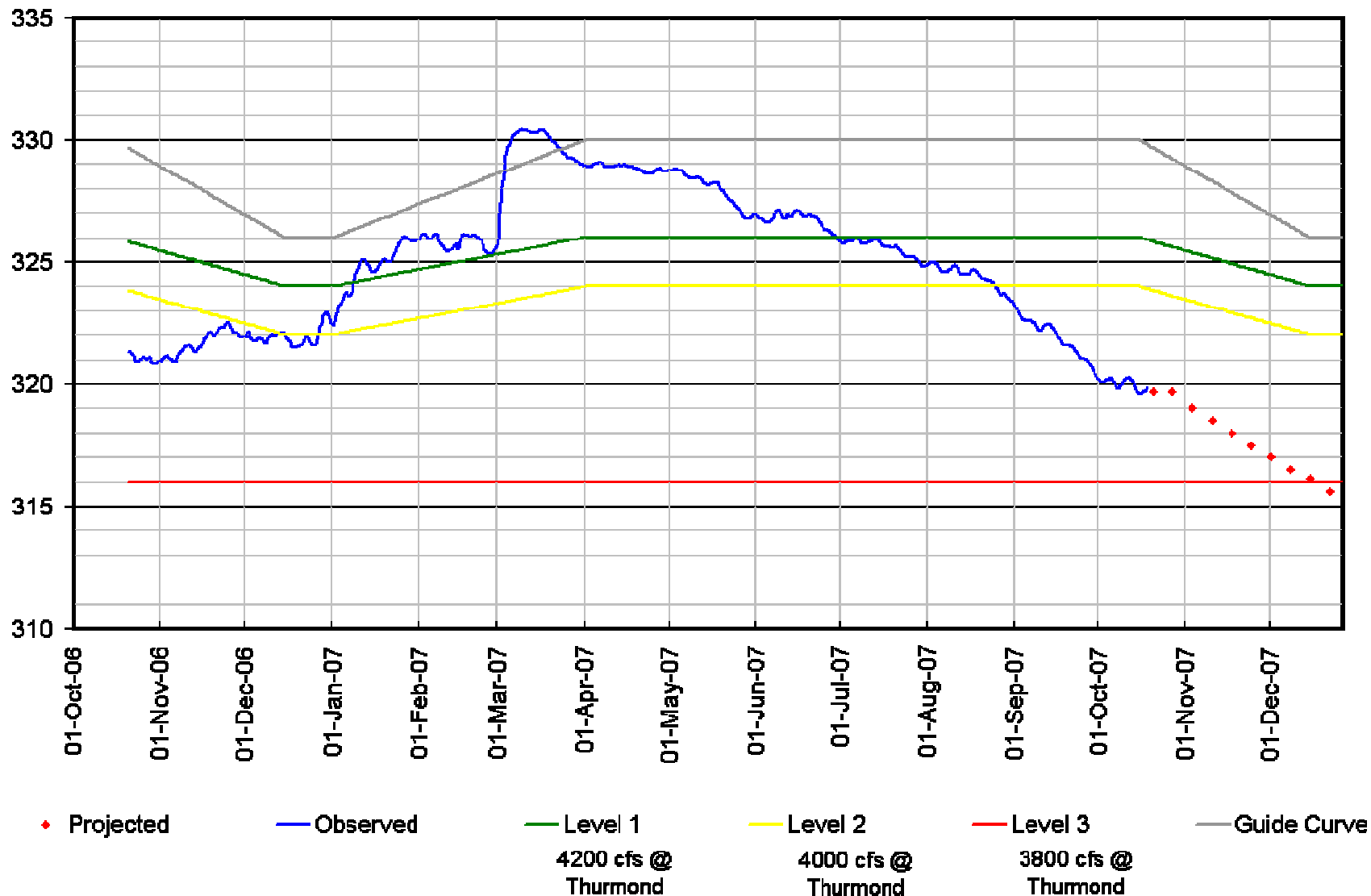
Elevation in FT MSL

Lanier Action Zones and Actual 2007 Elevations



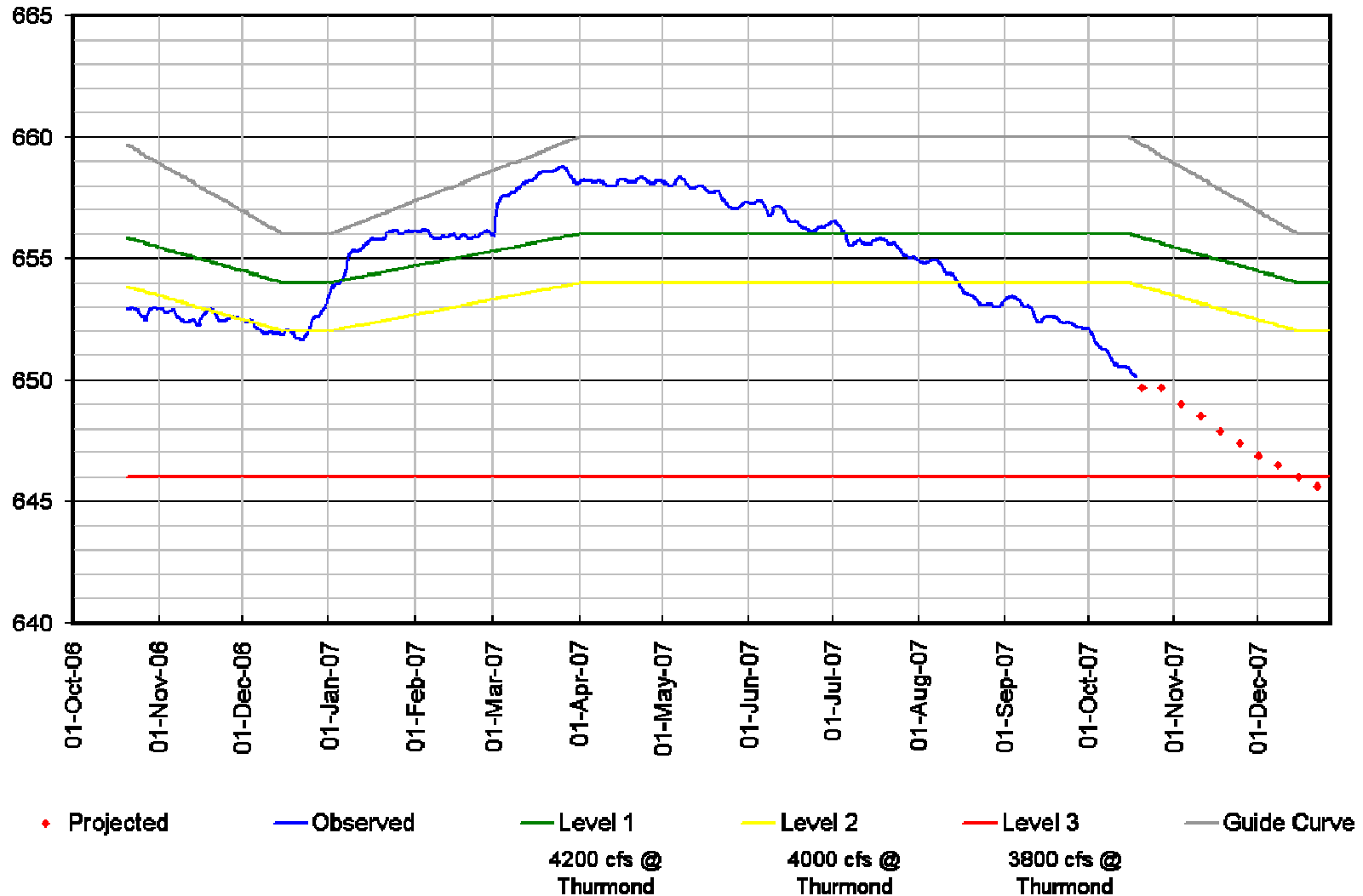
Thurmond Lake

Assumes inflows begin around 36% of Normal and return to 15% over 10 weeks

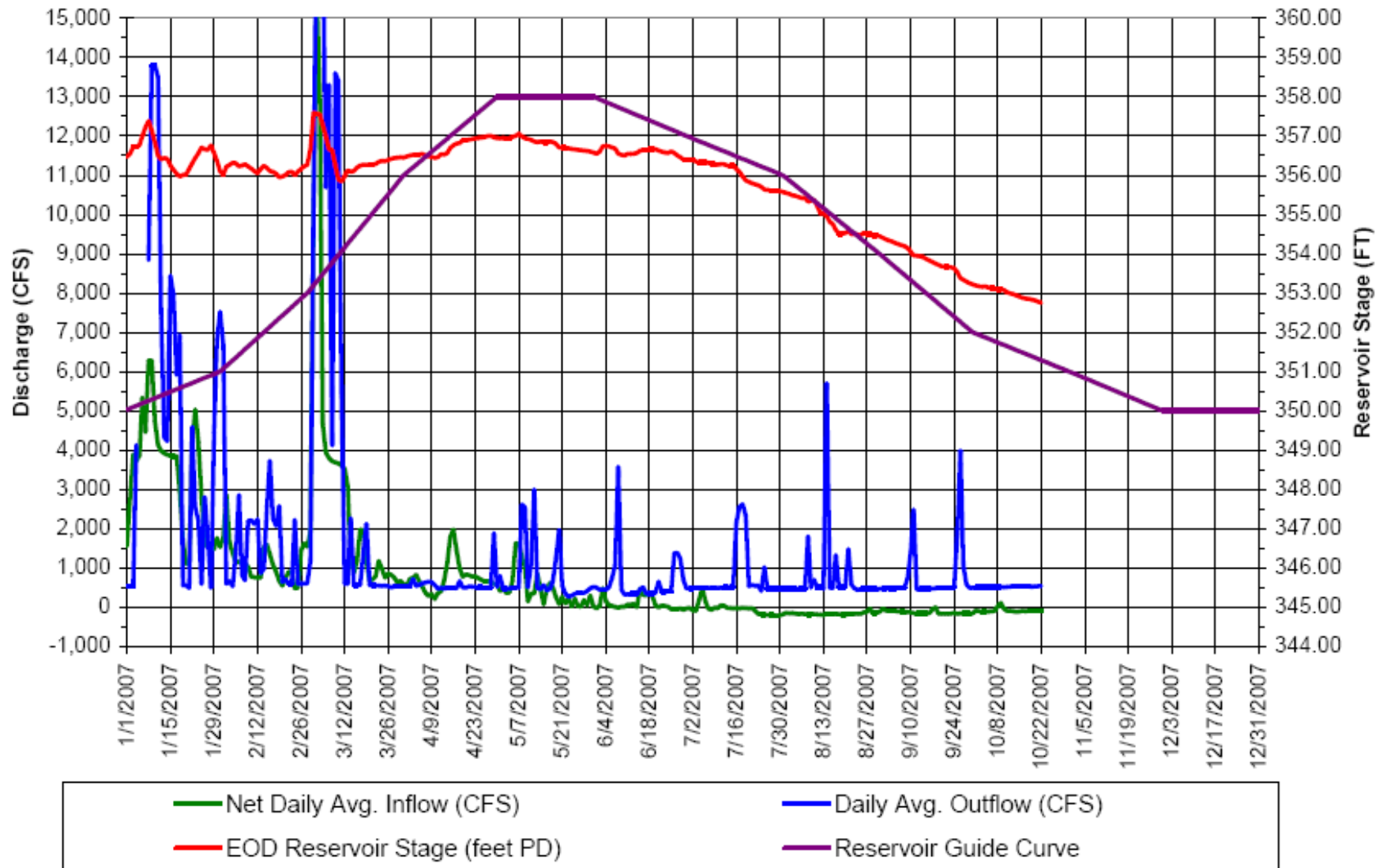


Hartwell Lake

Assumes inflows begin around -6% of Normal and return to 15% over 10 weeks

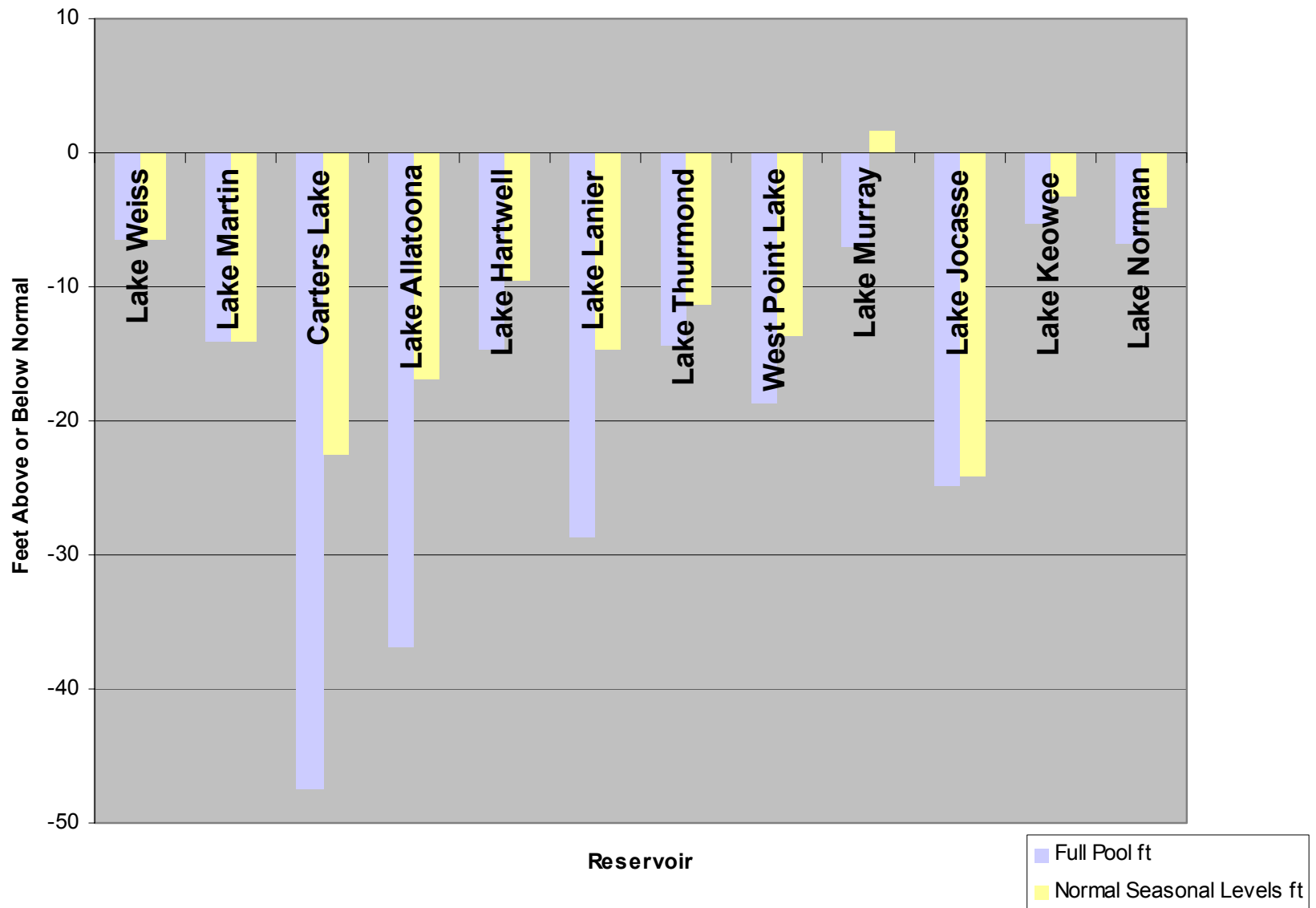


Lake Murray Inflow-Outflow-Stage Plot



Source : Ray Ammarell, SCE&G

October 2007 Southeastern US Reservoir Levels



Summary of Impacts

- All marinas at Lake Martin are closed
- Governors from Alabama and Georgia are preparing to file lawsuits against the Corps of Engineers and United States Fish and Wildlife Service to halt flow releases
- Lake Lanier provides drinking water for 1 in 3 Atlanta residents and estimated to run out of drinking water within 120 days.
- Approximately 50 % of boat ramps are closed at Lakes Hartwell and Thurmond (currently only 1 SCE&G public ramp at Lake Murray unusable)

Lake Martin



Lake Marion

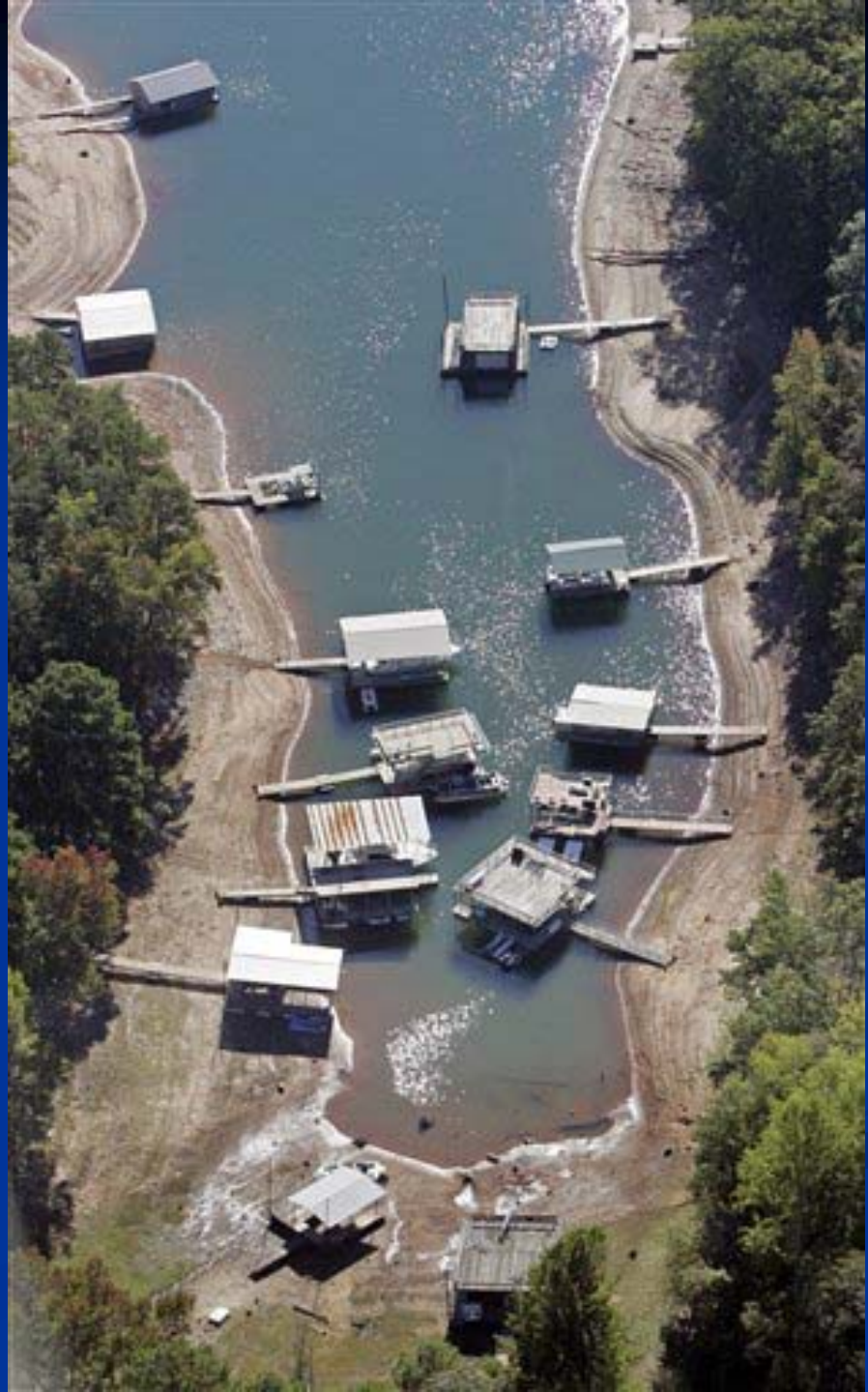


Lake Allatoona, GA



Source Photo: www.georgia-outdoors.com

Lake Lanier



Lake Hartwell



Photo Source
<http://www.sas.usace.army.mil/>

Lake Thurmond



Lake Norman



Photo Source: www.catawbariverkeeper.org

Lake James, NC



10/02/2007

Lake Wylie

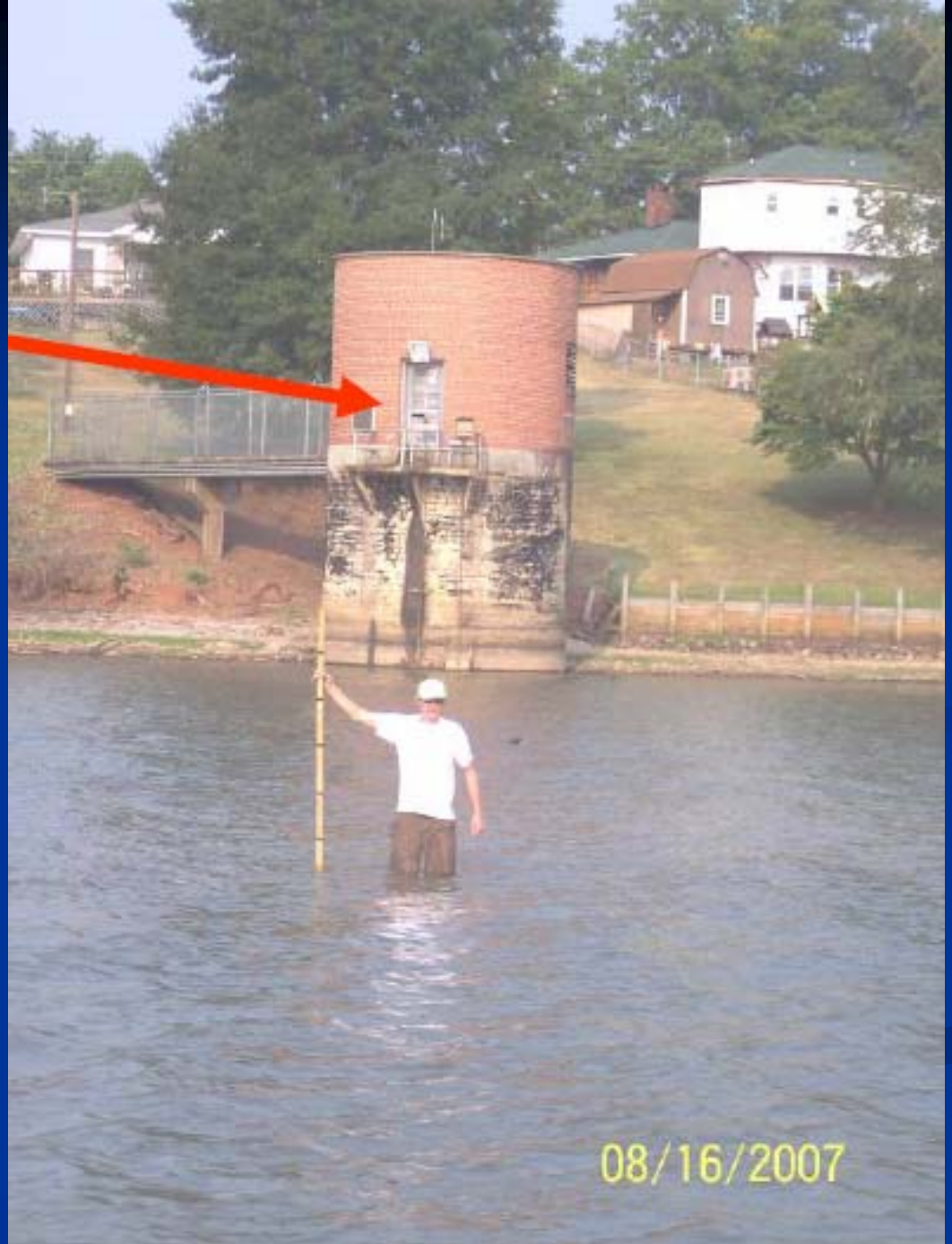


Photo Source: www.catawbariverkeeper.org

Falls Lake, NC



Photo Source www.wral.com

Desperate Times, Call for Desperate Measures



Source Photo: www.georgia-outdoors.com

Questions ??

“State Hydrologist Bud Badr reported all lake levels are below normal (except Lake Murray, which is slightly above normal).”

September 5, 2007

http://www.dnr.sc.gov/climate/sco/Drought/drought_current_info.php