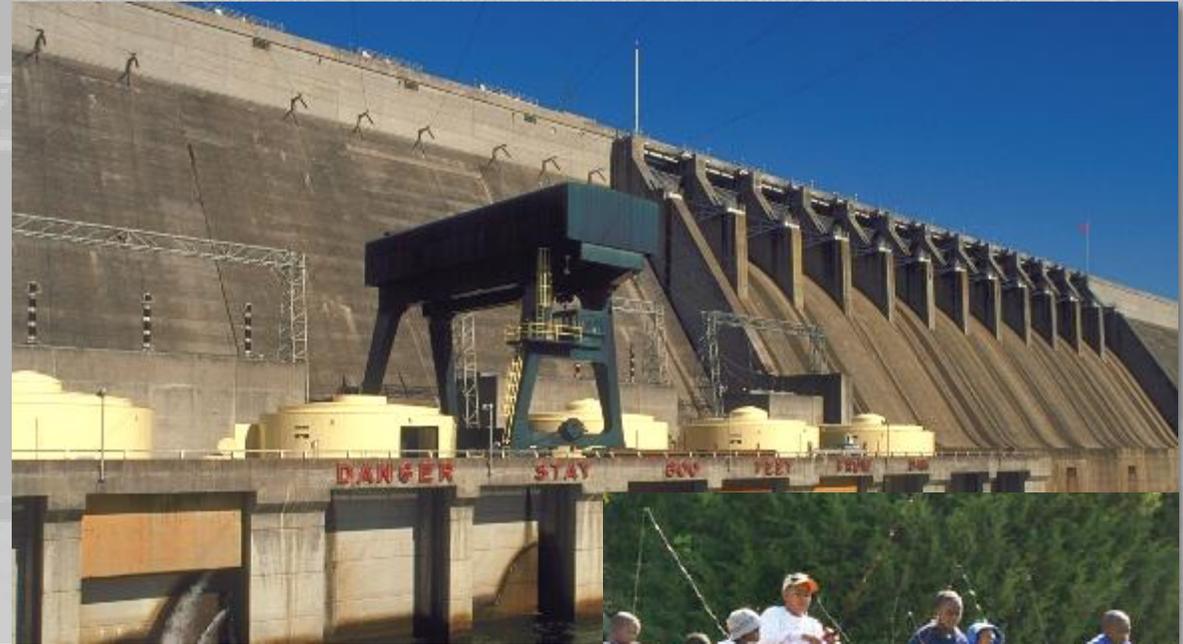


WATER ALLIANCE MEETING

SPRING 2019

Stanley L Simpson
Water Management
Savannah District
Date: 08 May 2019



US Army Corps
of Engineers®



SAVANNAH DISTRICT WATER MANAGEMENT



http://155.82.195.51/GMAP/ Savannah Water Mgt

US Army Corps of Engineers

Savannah District Water Management

HIDE/SHOW			
May 03, 2019 08:06	HARTWELL	RUSSELL	THURMOND
Current Pool Elevation	660.56	475.13	328.20
Guide Curve Elevation	660.00	475.00	330.00
Average Elevation	659.46	474.66	328.75
Todays Precip (in)	0.00	0.00	0.00
Monthly Precip (in)	0.00	0.00	0.00

MORNING REPORT

HOURLY PROJECT DATA

DECLARATIONS

POOL SCHEMATIC

OBSERVED RAINFALL

Rainfall Forecast Day 1 2 3 4-5 6-7 1-3 1-5 1-7

DROUGHT PLAN INFO

HISTORIC DATA

MISCELLANEOUS PRODUCTS

WATER CONTROL MANUAL

PUBLIC PAGE

OTHER USEFUL LINKS

BALANCING THE BASIN

SELECT GAGE OF INTEREST

MOBILE PAGE

Please contact us if you are having Technical Difficulties with this Site.

Map Satellite Re-Center

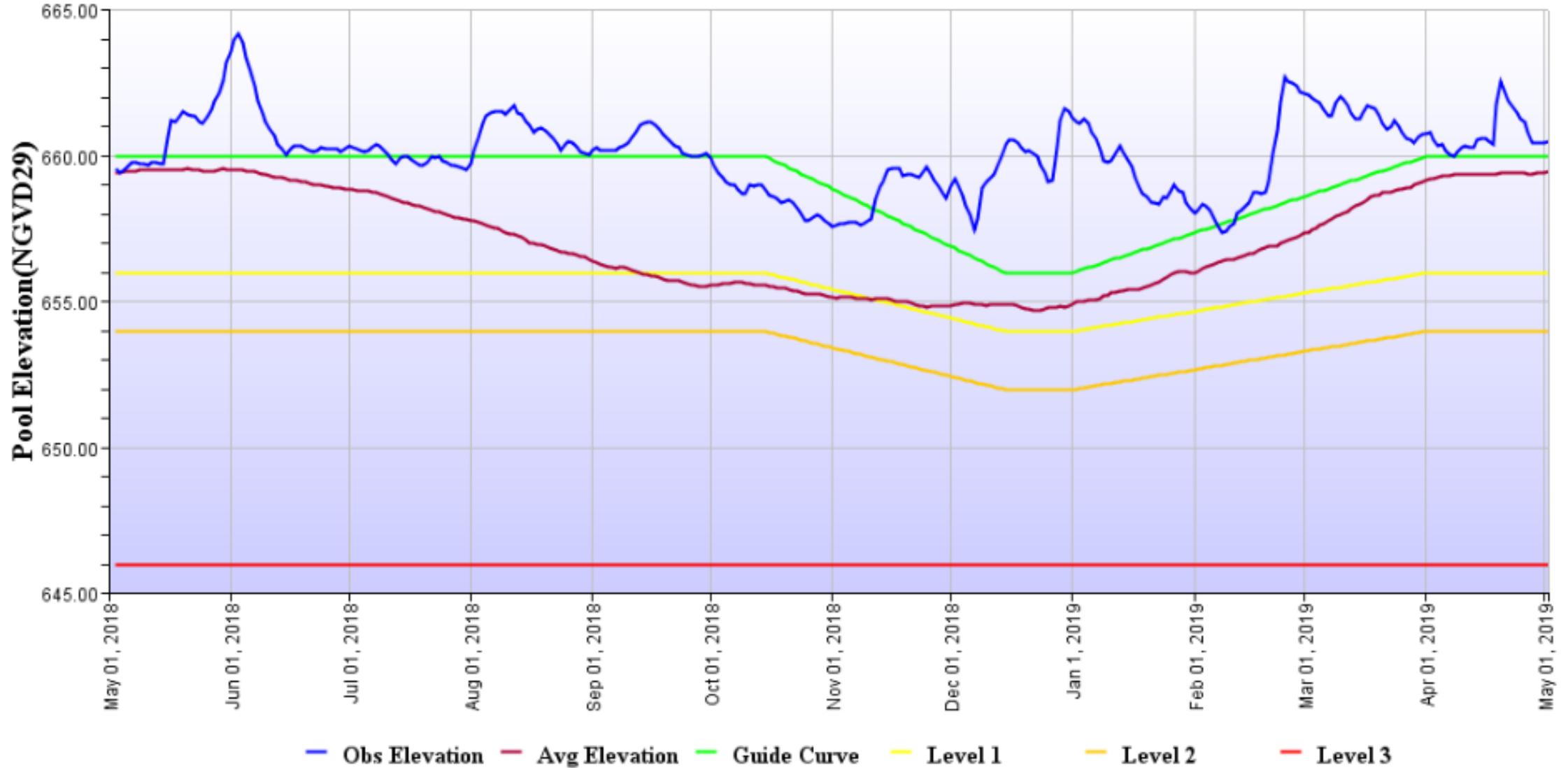
Map data ©2019 Google, INEGI Terms of Use

Lat: _____ Lon: _____ Refresh

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HARTWELL PROJECT



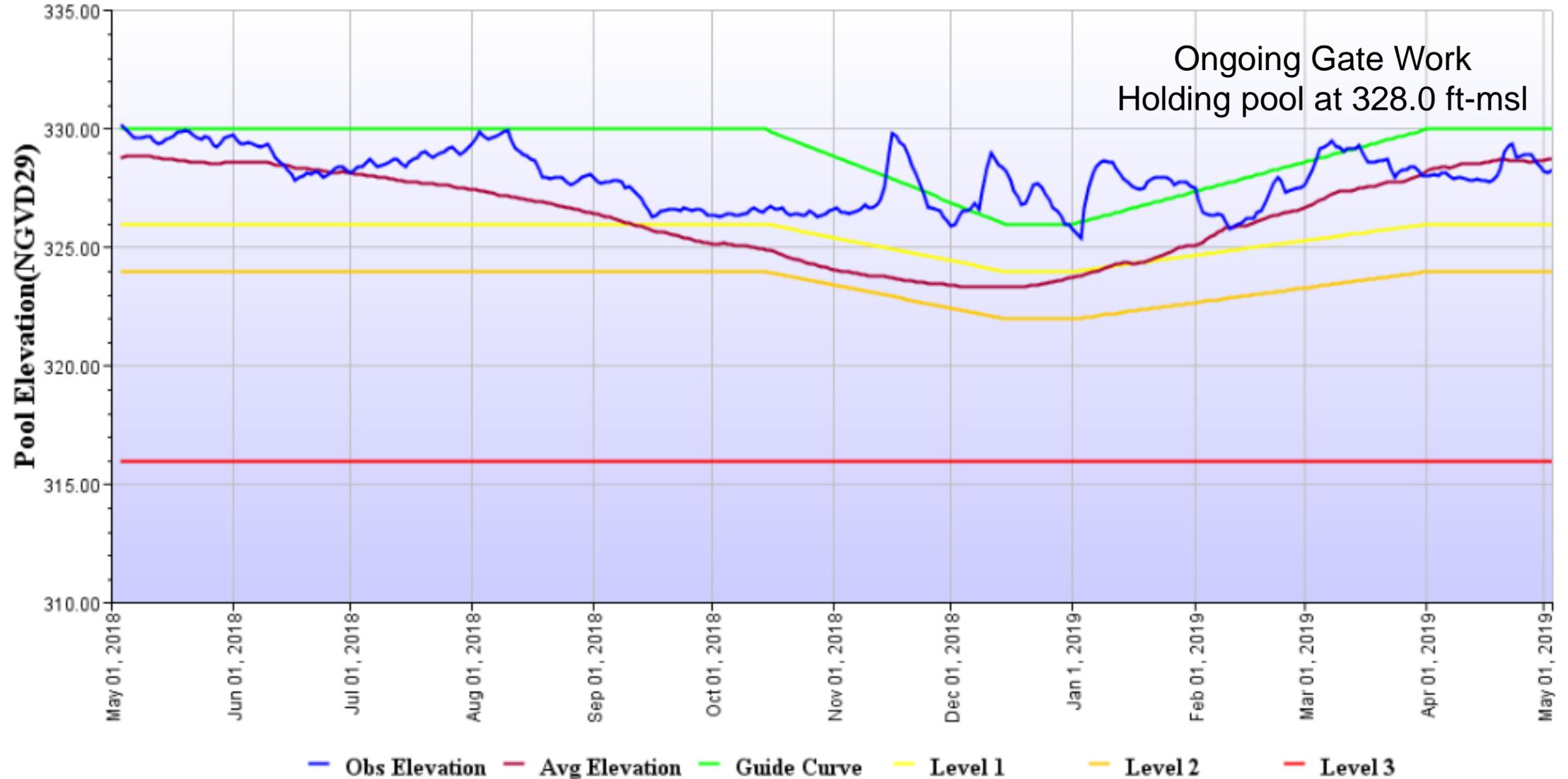


RUSSELL PROJECT



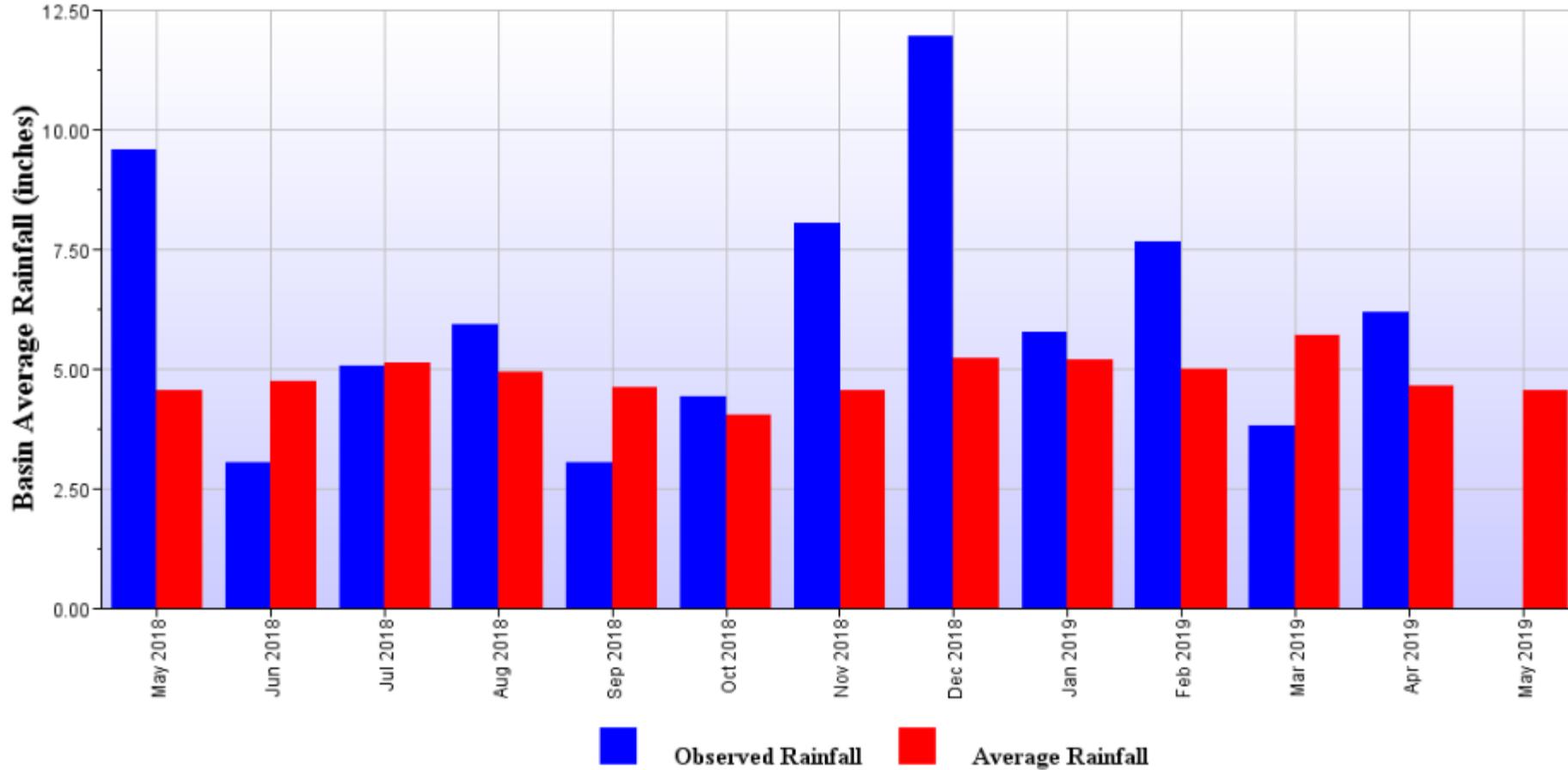


THURMOND PROJECT





HARTWELL BASIN RAINFALL

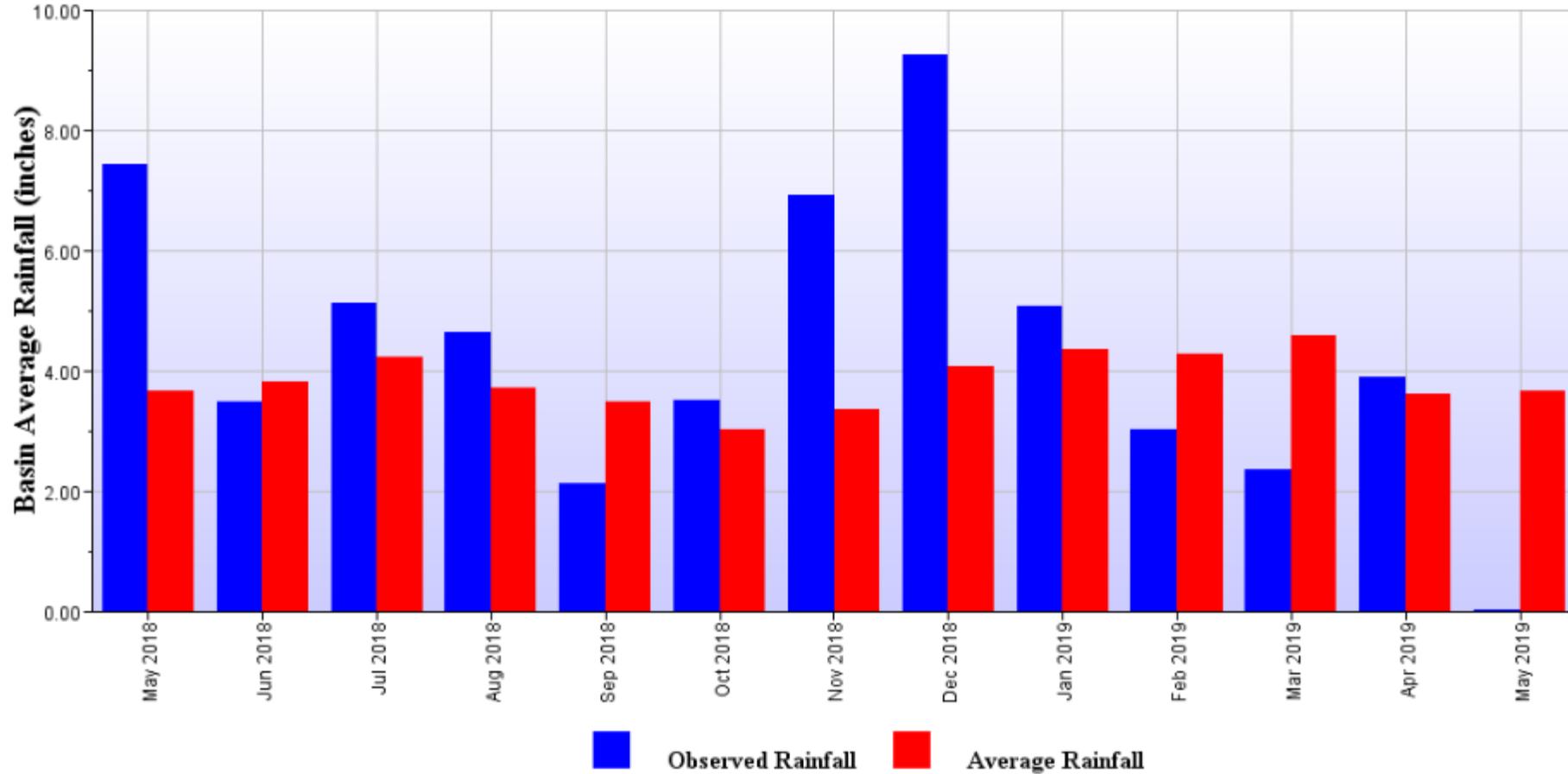


t images from VE.com

Sum Observed Rainfall= 74.7 " Sum Avg Monthly Rainfall= 63.8 " 10.9 inch Rainfall Surplus
01 May 2018 - 03 May 2019



THURMOND BASIN RAINFALL



images from VE.com

Sum Observed Rainfall= 57.0 " **Sum Avg Monthly Rainfall= 50.8 "** 6.3 inch Rainfall Surplus
01 May 2018 - 03 May 2019

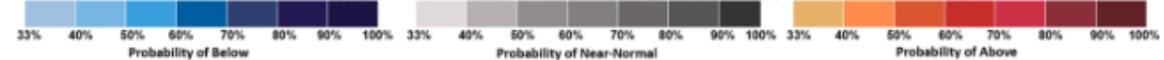
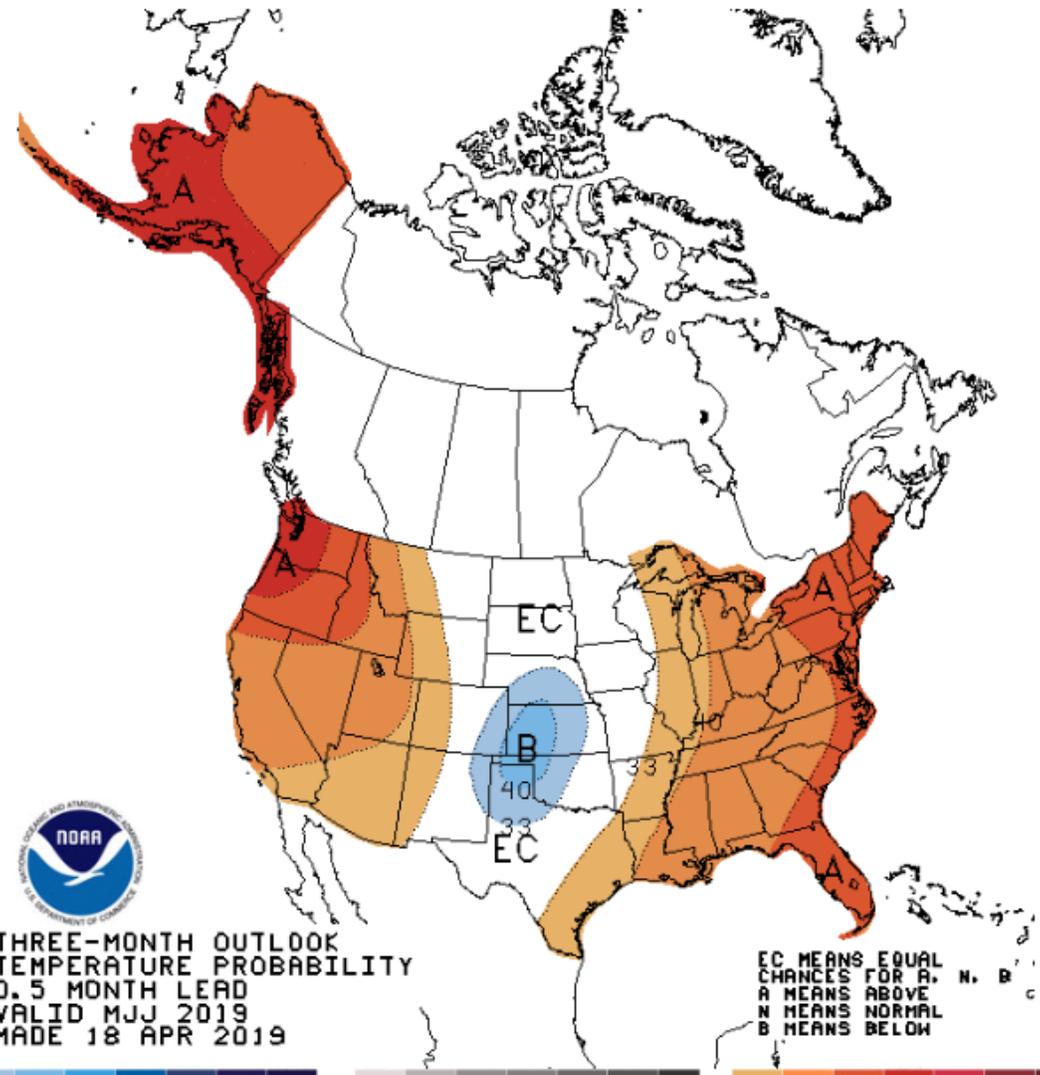
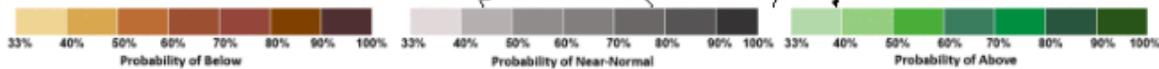
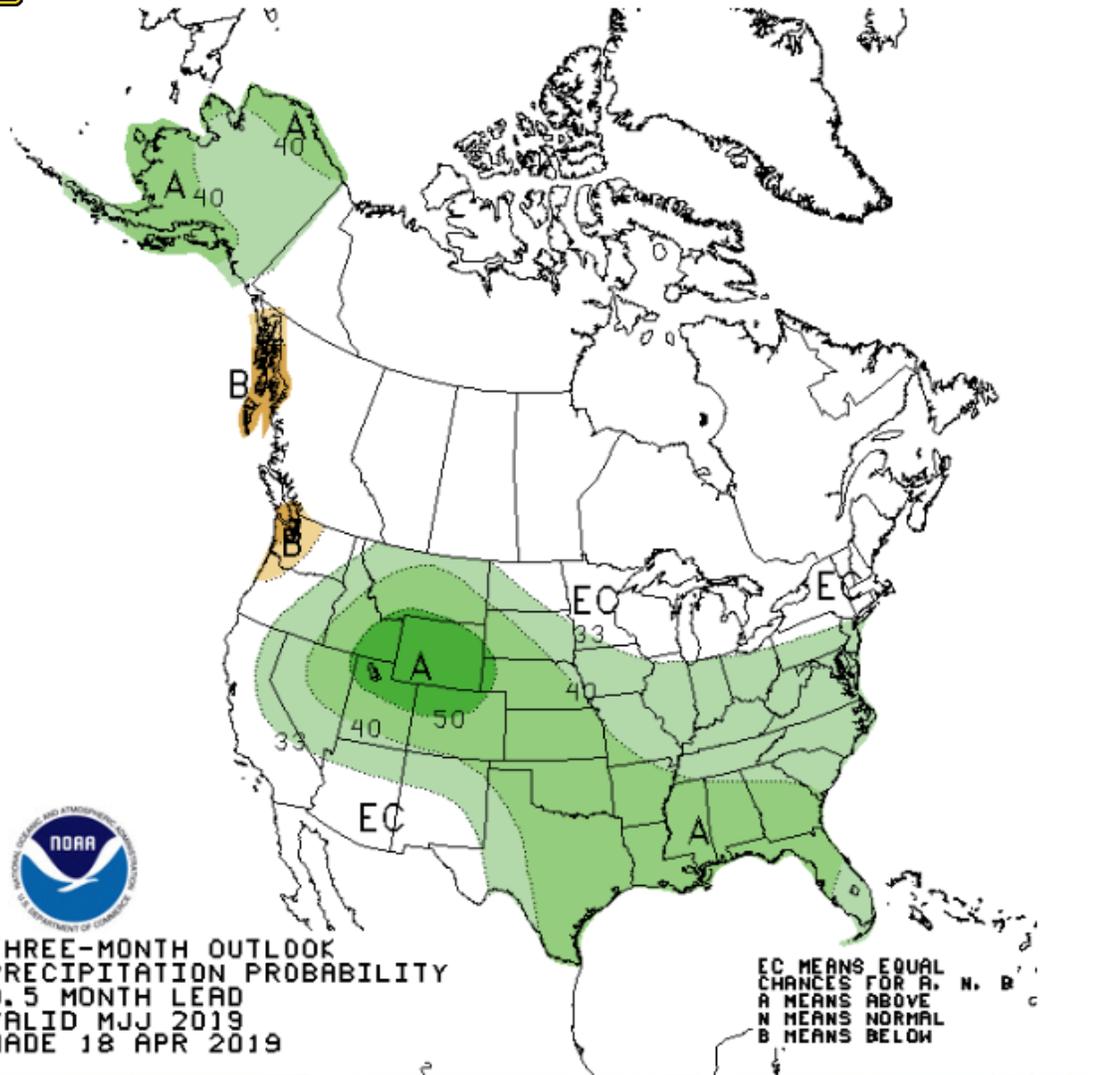


WHAT THIS MEANS FOR POWER GENERATION

	ENERGY GENERATED (MW-HRS)					
	HARTWELL	RUSSELL	THURMOND	SYSTEM ENERGY TARGET	SYSTEM ENERGY OBSERVED	SURPLUS ENERGY (MW-HR)
6/1/2018	77,154	74,285	94,538	111,150	245,977	134,827
7/1/2018	40,499	59,096	37,474	138,149	137,069	-1,080
8/1/2018	50,620	50,694	65,334	141,869	166,648	24,779
9/1/2018	22,935	44,321	39,432	131,507	106,688	-24,819
10/1/2018	40,710	45,786	28,466	120,918	114,962	-5,956
11/1/2018	41,643	49,558	75,251	112,646	166,452	53,806
12/1/2018	86,448	93,855	175,352	120,032	355,655	235,623
1/1/2019	124,089	117,529	160,227	120,603	401,845	281,242
2/1/2019	63,258	62,877	90,569	106,856	216,704	109,848
3/1/2019	95,177	87,266	113,611	91,534	296,054	204,520
4/1/2019	97,720	80,565	104,474	79,303	282,759	203,456
5/1/2019	3,643	3,681	6,193	97,198	13,517	
Last 12 months	743,896	769,513	990,921	1,371,766	2,504,330	1,216,246



3 MONTH OUTLOOK

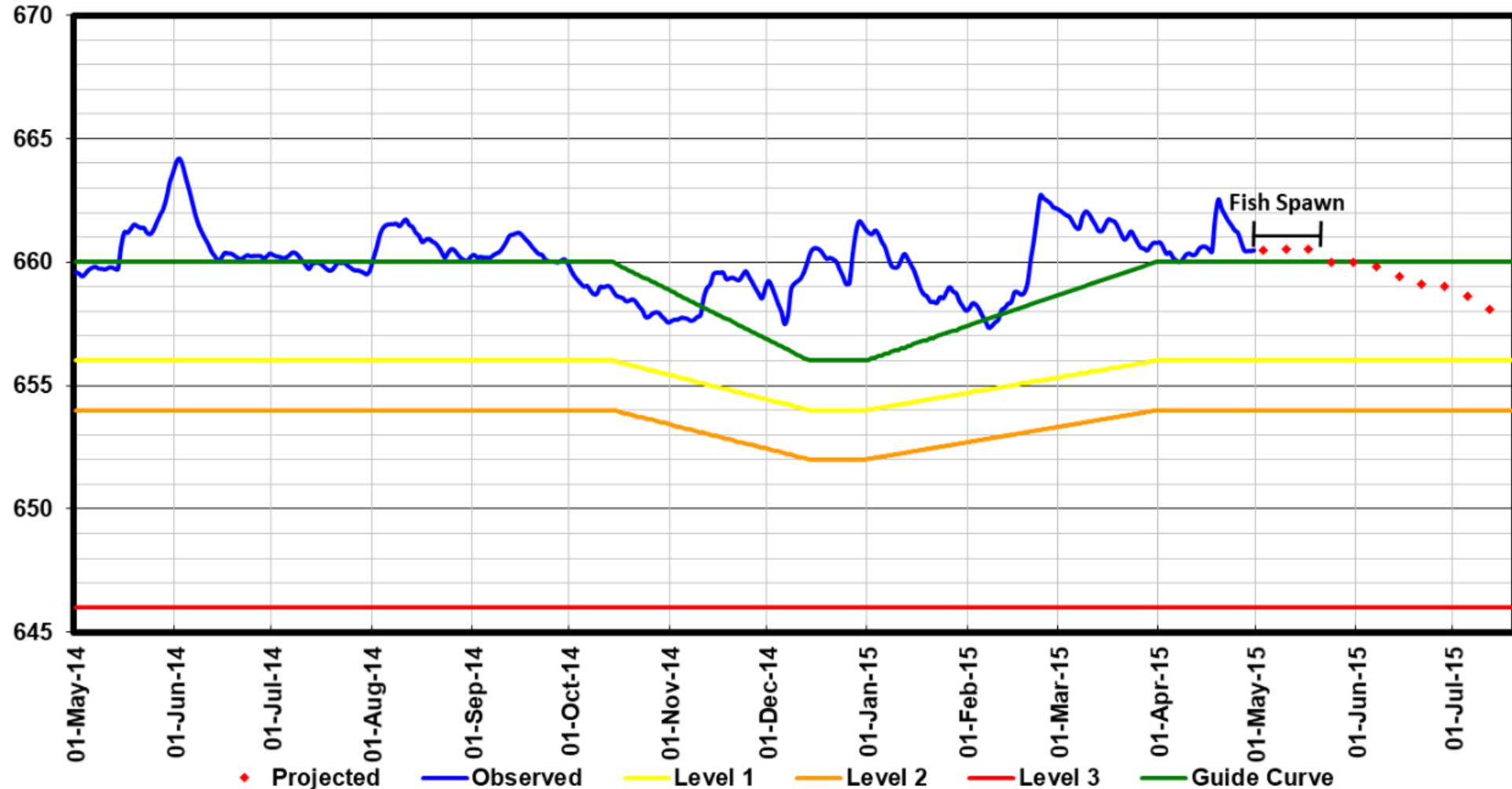




WHERE TO FROM HERE?

Hartwell Lake

Assumes Net Local Inflows begin around 100% of Normal and return to 100% over 10 weeks





COMPREHENSIVE BASIN STUDY



Main focus: Drought plan update

Status: On hold awaiting funding from study partners to proceed

What's left to be done:

- Incorporate Comments

- Finish Report

- FONSI

- Implement/Update Drought Plan



HARTWELL WATER SUPPLY REALLOCATION



Study was on hold pending completion of Comp Study.

Then, issues arose with Clemson Lower Diversion Dam, DSAC classification change to DSAC3

New Dam Safety Regulations: “No encroachment into Flood Pools” SAD/22 March 2019

Preparing Yield Models

Additional request totals average 24.55 MGD or about 38 CFS

Fully utilized this equates to an estimated additional average 45 cfs withdrawal

Scheduled Completion: FY-2021, contingent on Comp Study