

# SOUTHEASTERN FEDERAL POWER ALLIANCE

## SAD WATER MANAGEMENT OVERVIEW

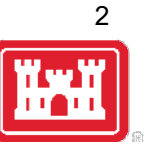
Trent Ferguson, P.E.  
Water Management  
South Atlantic Division  
December 8, 2020



US Army Corps  
of Engineers®

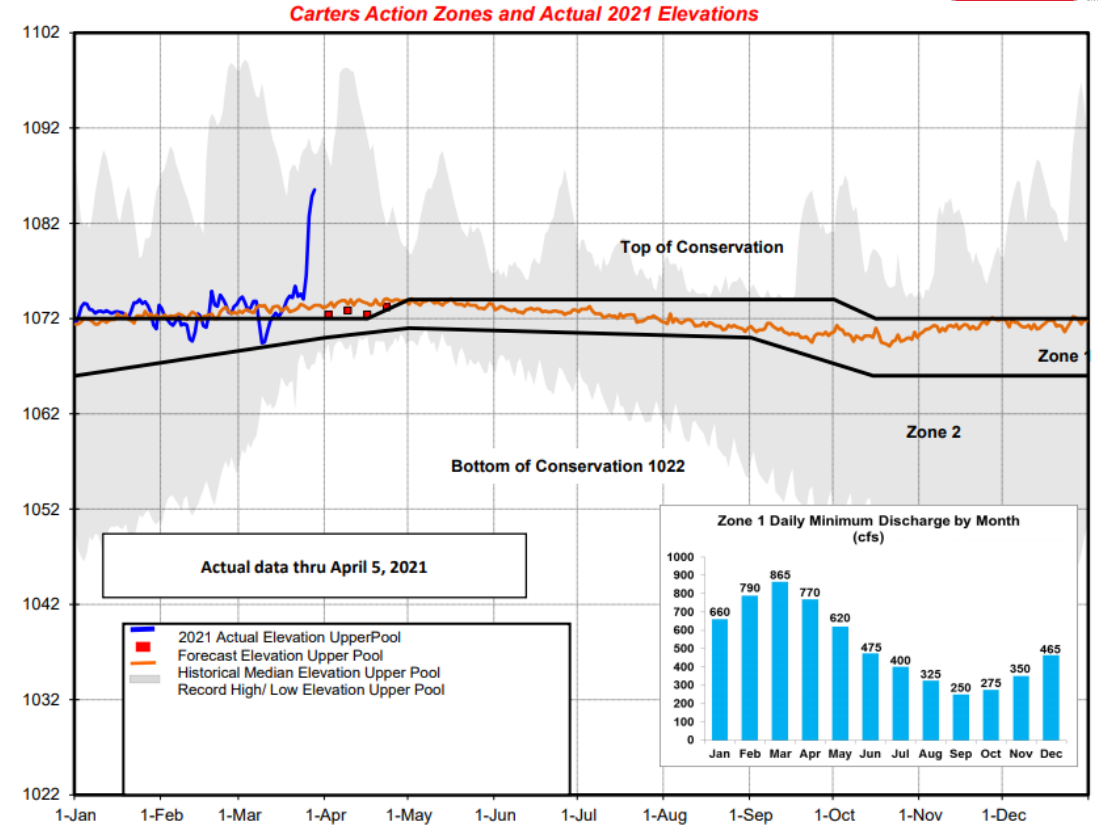
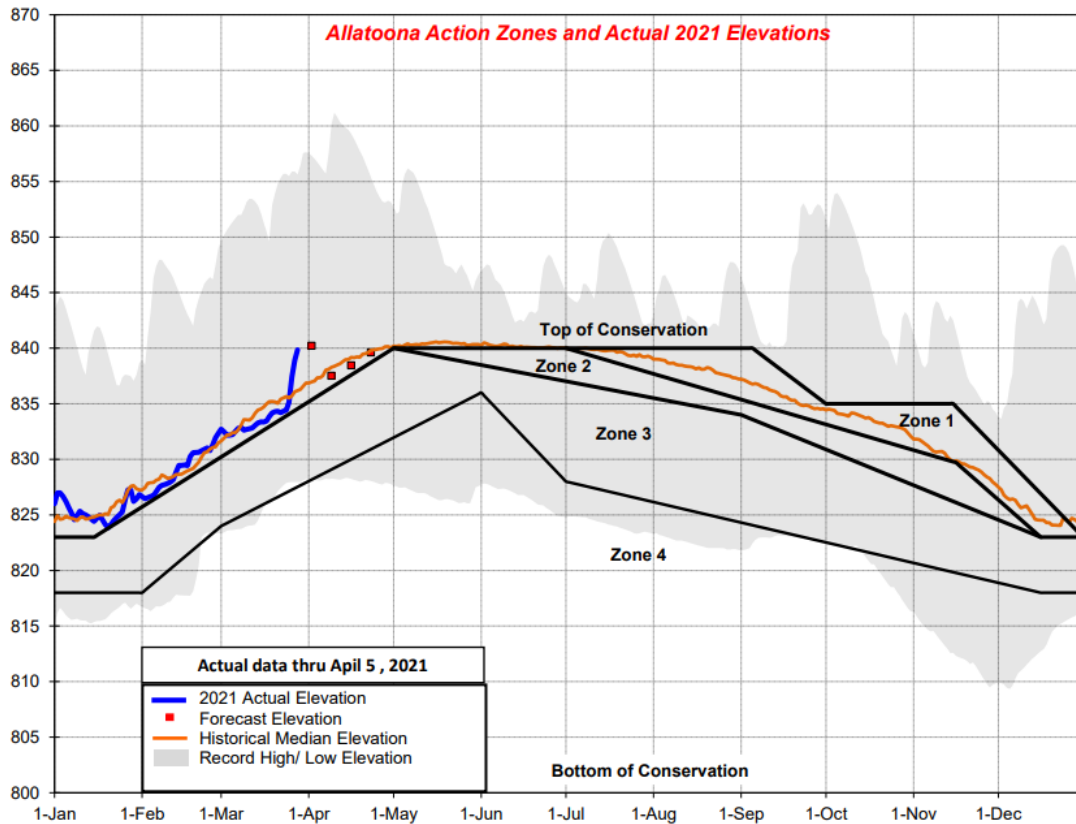


# ACT CURRENT CONDITIONS AND FORECAST



Alabam-Coosa-Tallapoosa (ACT) - MOBILE DISTRICT	Current Lake Level	Current Guide Curve	Summer Full Pool
Carters	1074.00	1072.00	1074.00
Allatoona	840.76	829.64	840.00
R.F. Henry	124.95	Normal Pool	125.00
Millers Ferry	79.95	Normal Pool	80.00

Water Levels are as of mid-night 11 April 2021



<https://water.sam.usace.army.mil/actframe.htm>

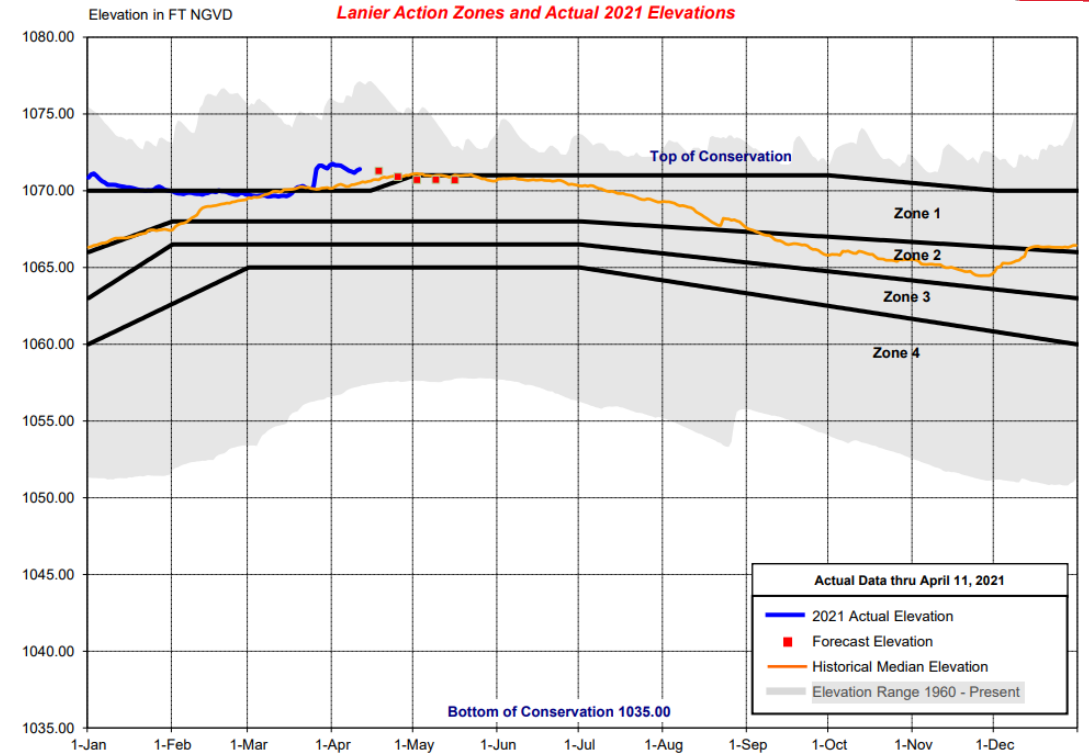
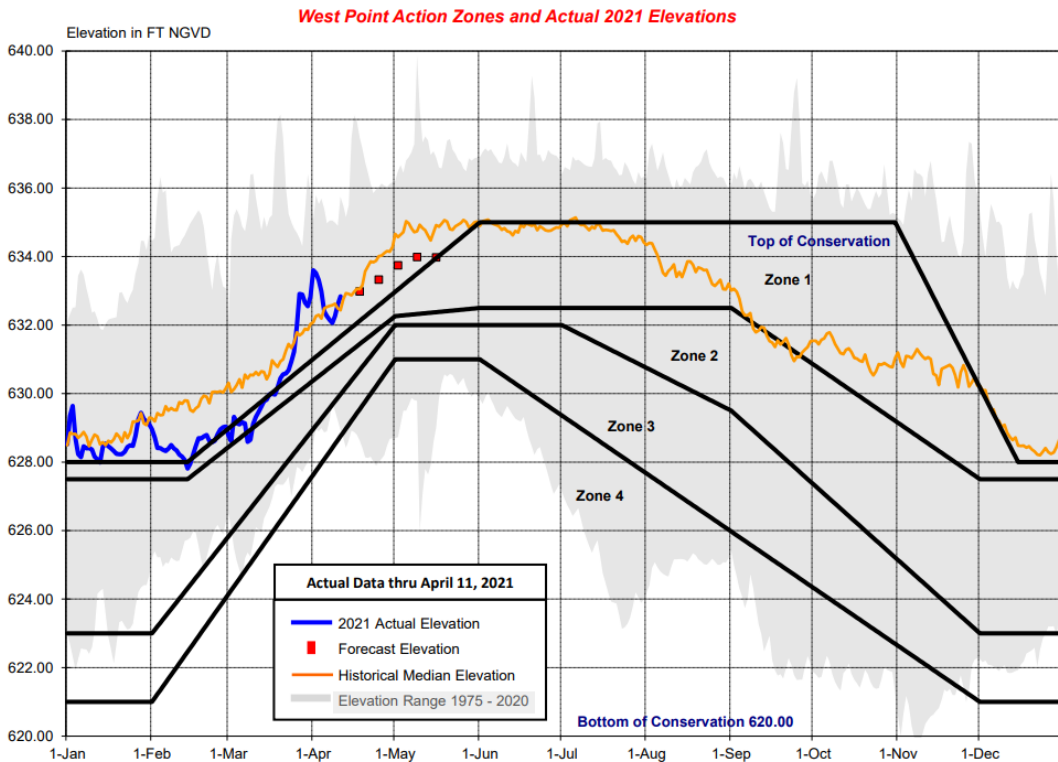


# ACF CURRENT CONDITIONS AND FORECAST



Apalachicola-Chattahoochee-Flint (ACF) - MOBILE DISTRICT	Current Lake Level	Current Guide Curve	Summer Full Pool
Buford Dam/Lake Sidney Lanier	1071.50	1070.00	1071.00
WEST POINT	632.96	631.70	635.00
WF GEORGE	189.84	188.00	188.00
SEMINOLE (Woodruff L&D) RIOP	77.37	Normal Pool	77.00

Water Levels are as of mid-night 11 April 2021





# SAVANNAH RIVER CURRENT CONDITIONS AND FORECAST



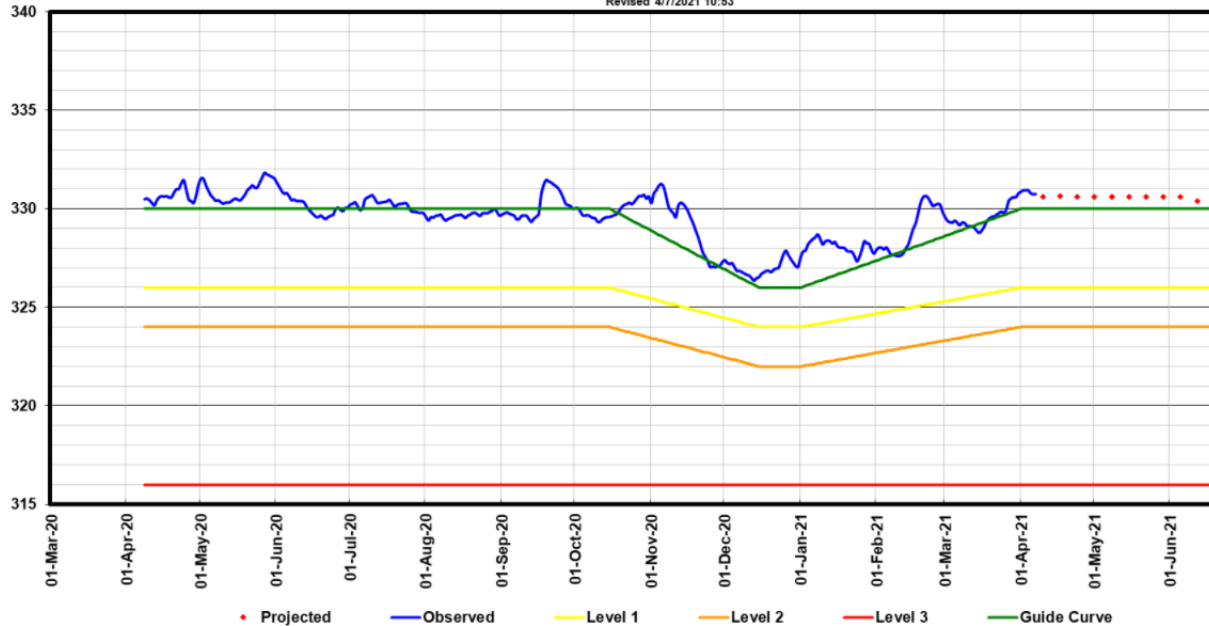
Savannah River Basin - SAVANNAH District	Current Lake Level	Current Guide Curve	Summer Full Pool
Hartwell	661.48	660.00	660.00
Russell	474.91	475.00	475.00
Thirmond	330.56	330.00	330.00

Water Levels are as of mid-night 11 April 2021

## Thurmond Lake

Assumes Net Local Inflows begin around 72% of Normal and return to 70% over 10 weeks

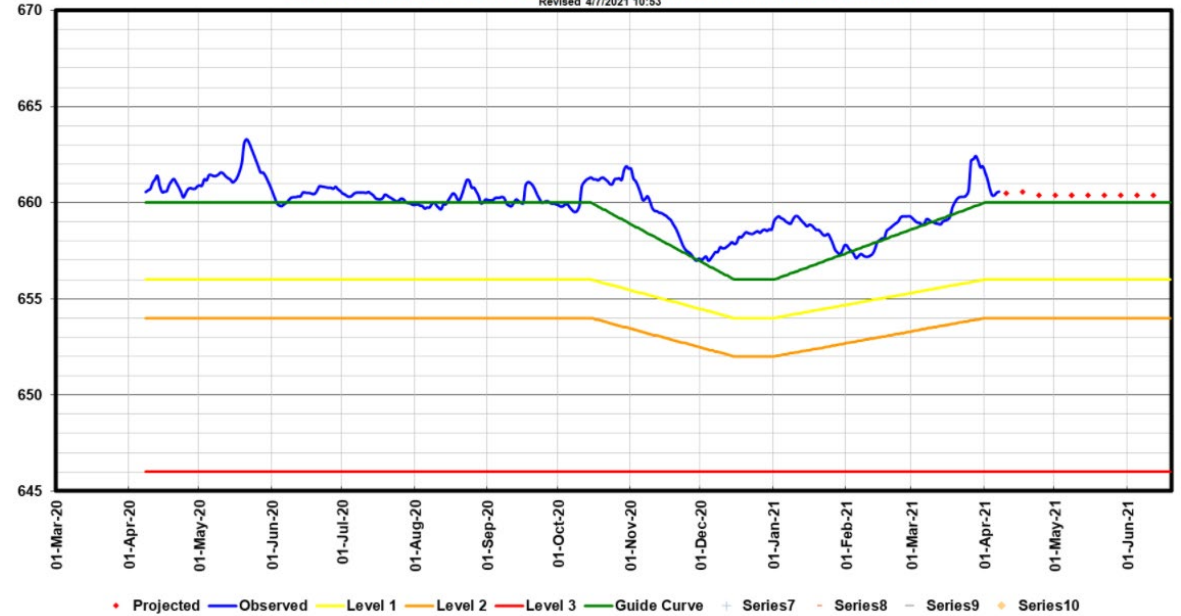
Revised 4/7/2021 10:53



## Hartwell Lake

Assumes Net Local Inflows begin around 75% of Normal and return to 75% over 10 weeks

Revised 4/7/2021 10:53





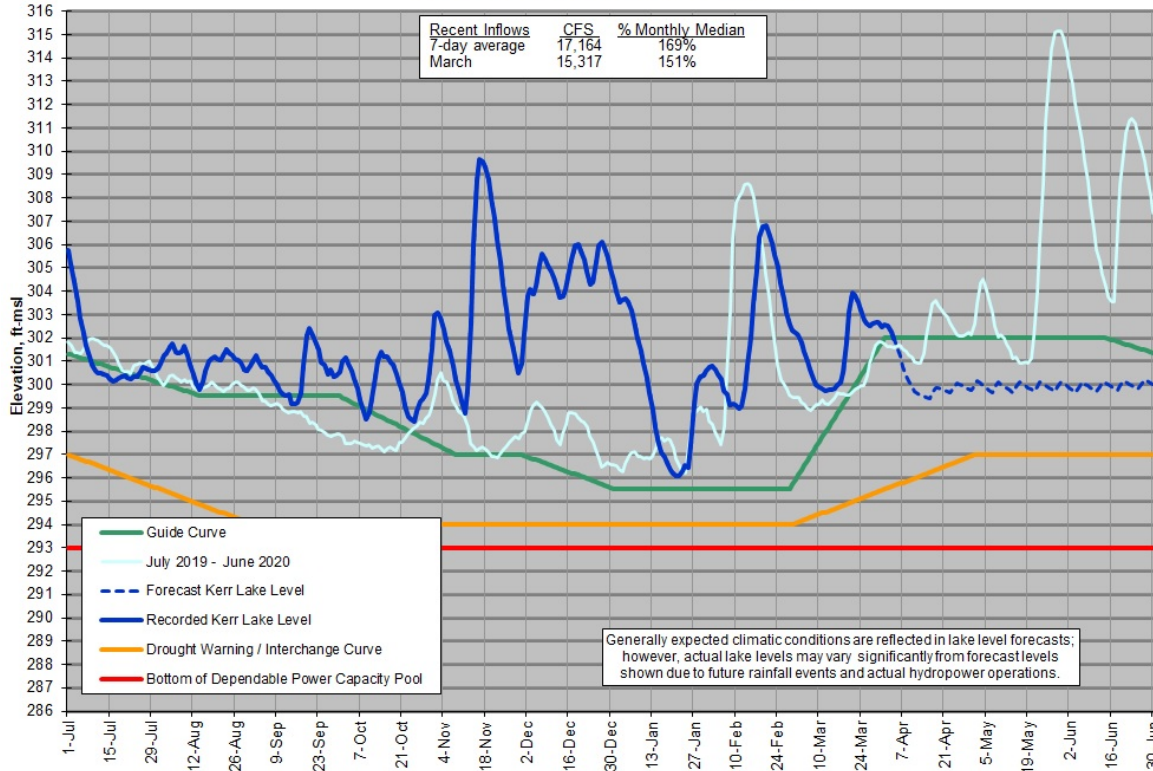
# ROANOKE RIVER CURRENT CONDITIONS AND FORECAST



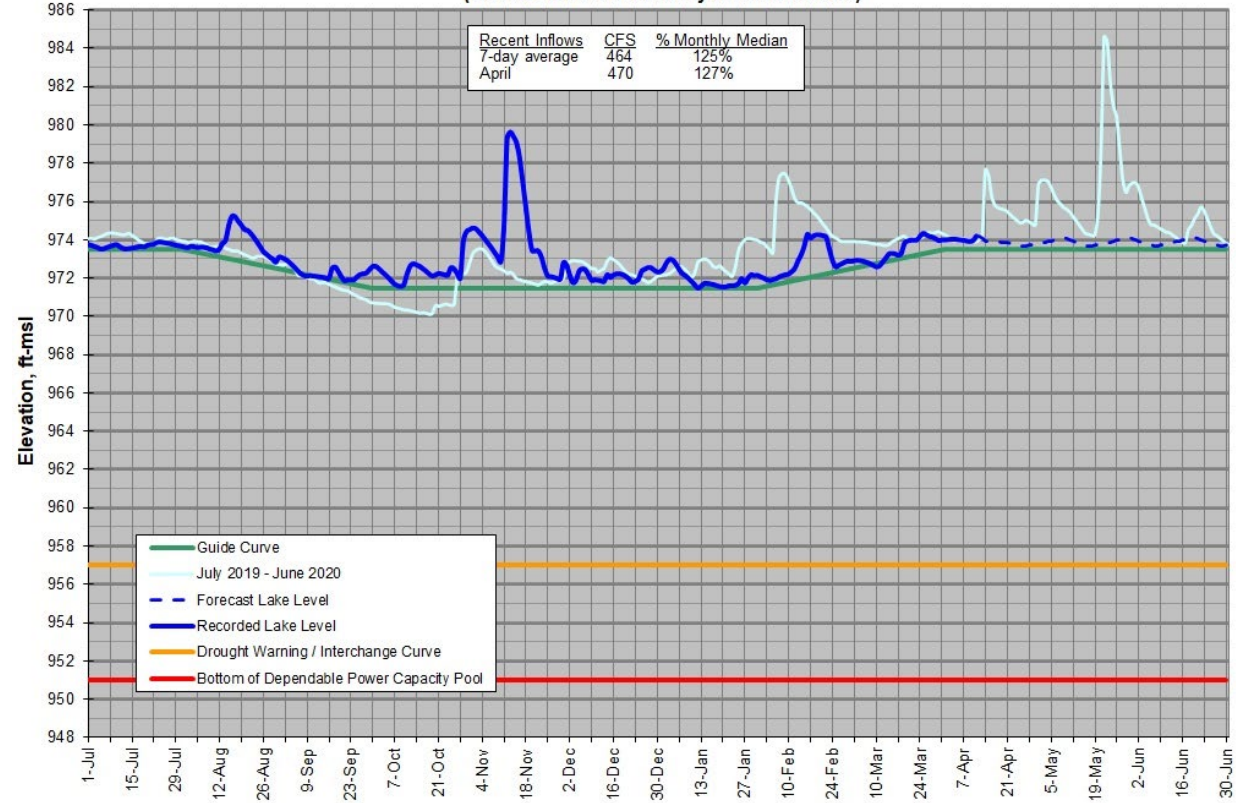
Roanoke River System - WILMINGTON DISTRICT	Current Lake Level	Current Guide Curve	Summer Full Pool
Philpott	974.32	973.50	973.50
John H. Kerr	300.90	302.00	302.00

Water Levels are as of mid-night 11 April 2021

John H Kerr Lake Level Forecast -- 05 April 2021  
(Based on 60% of Monthly Median Inflows)

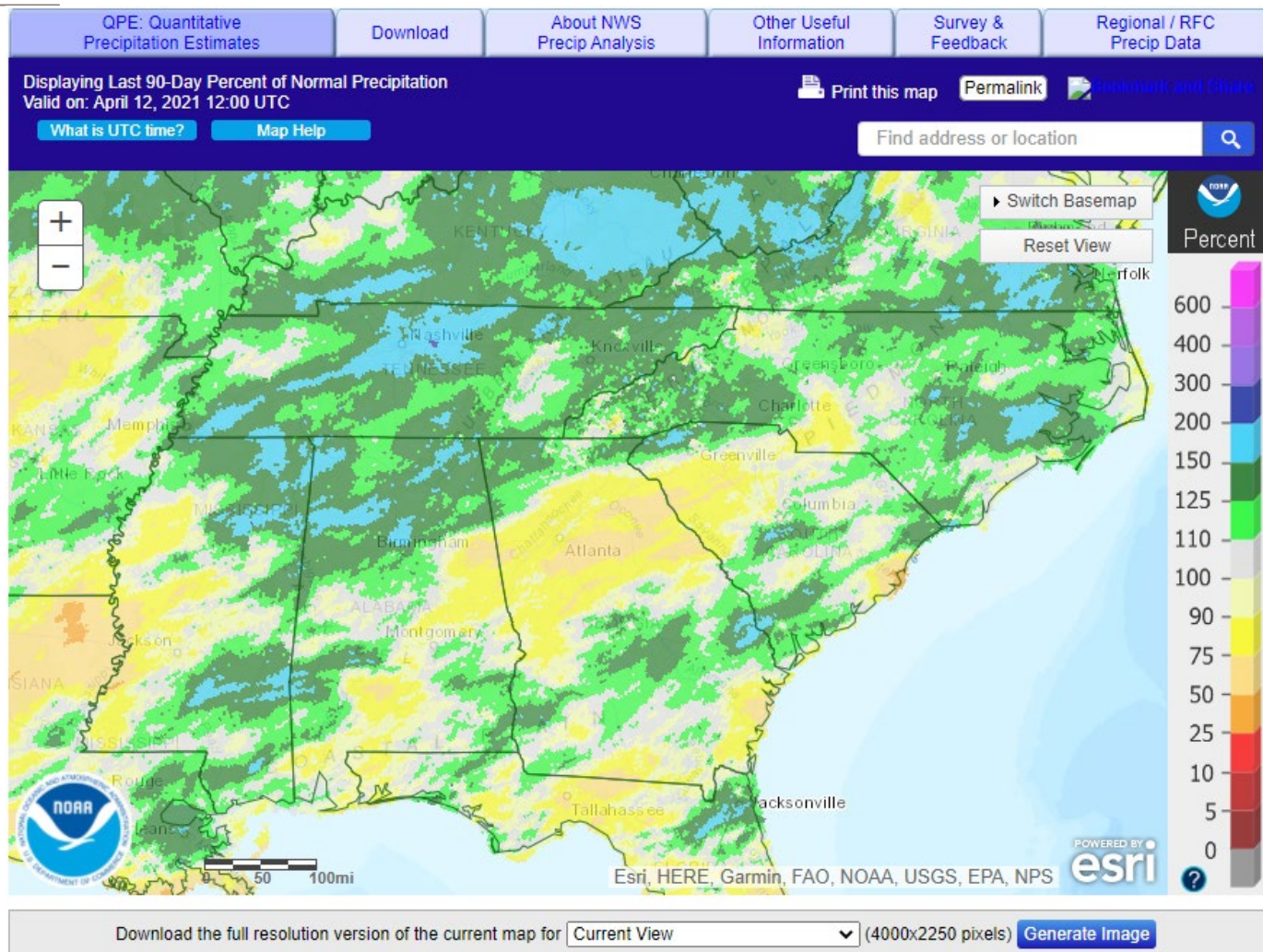
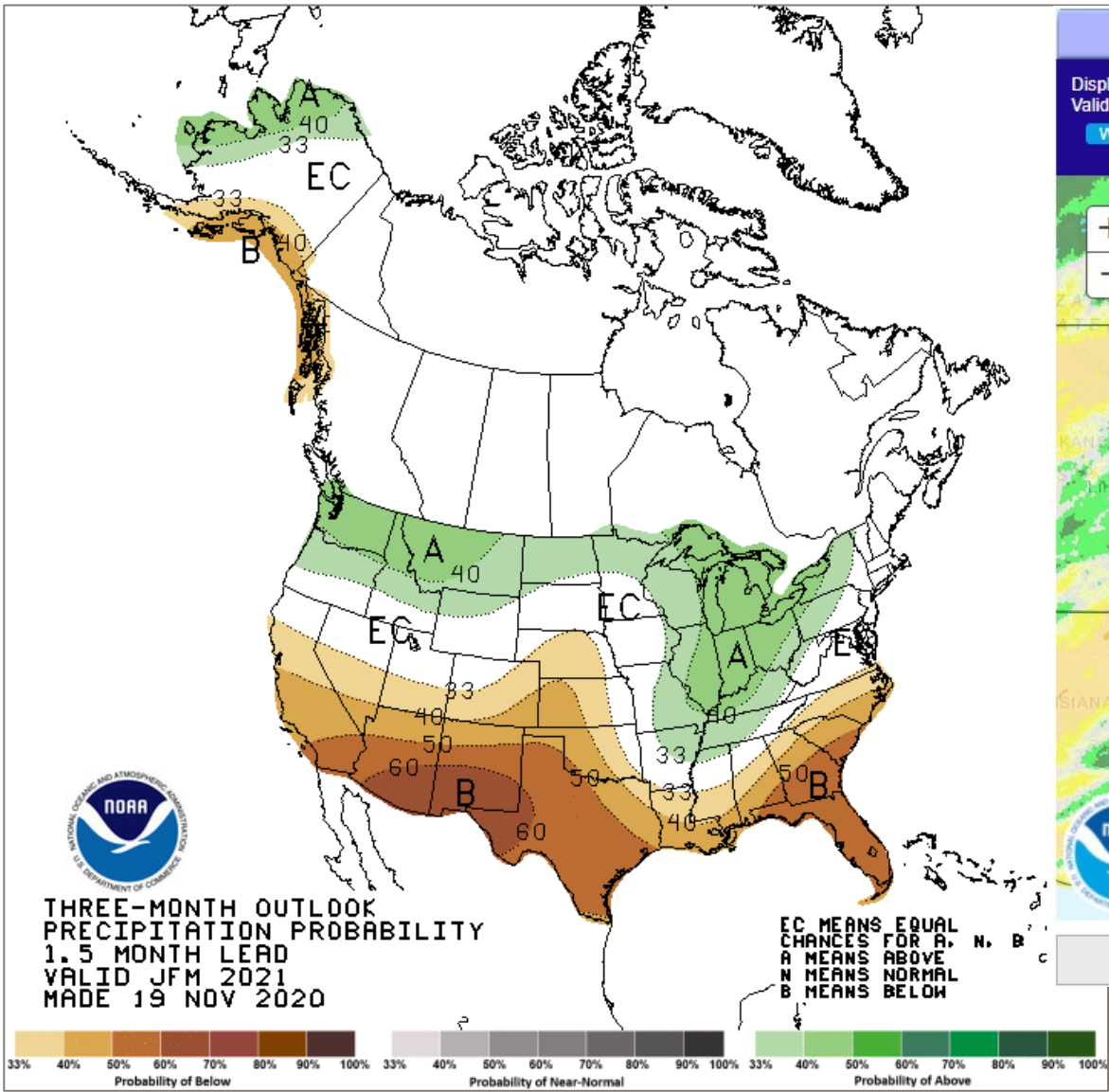


Philpott Lake Level Forecast -- 12 April 2021  
(Based on 60% of monthly median inflows)





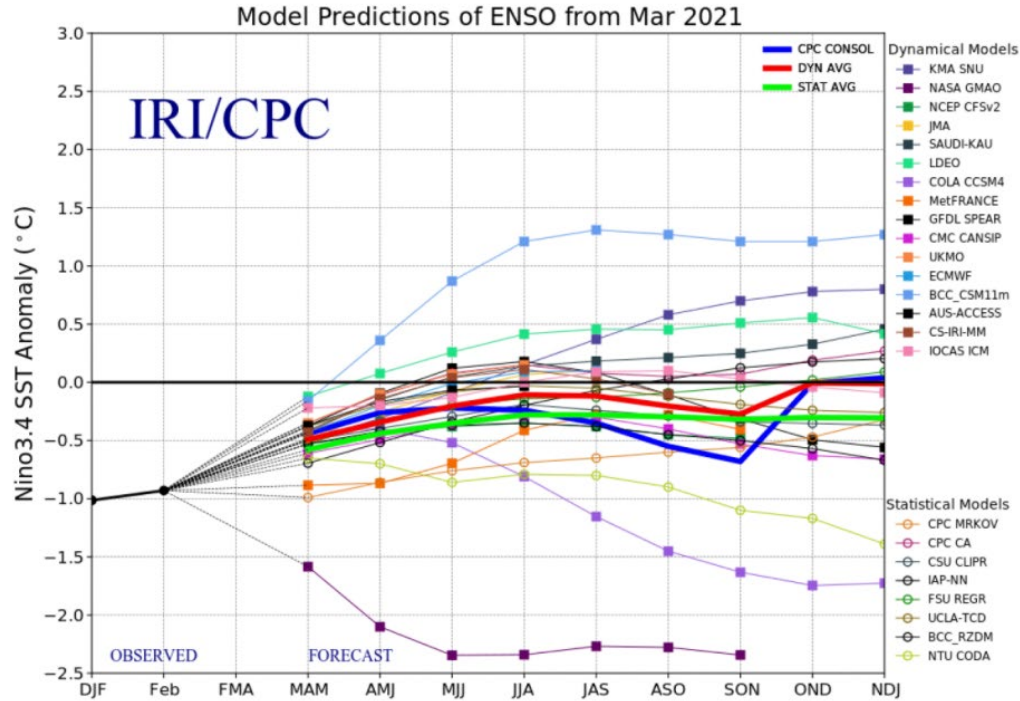
# RAINFALL DEPARTURE FROM NORMAL (LAST 90 DAYS)



WPC Forecast for Jan-Feb-Mar from 19 Nov 2020



# EL NINO-SOUTHERN OSCILLATION (ENSO)



Early-April 2021 CPC/IRI Official Probabilistic ENSO Forecasts

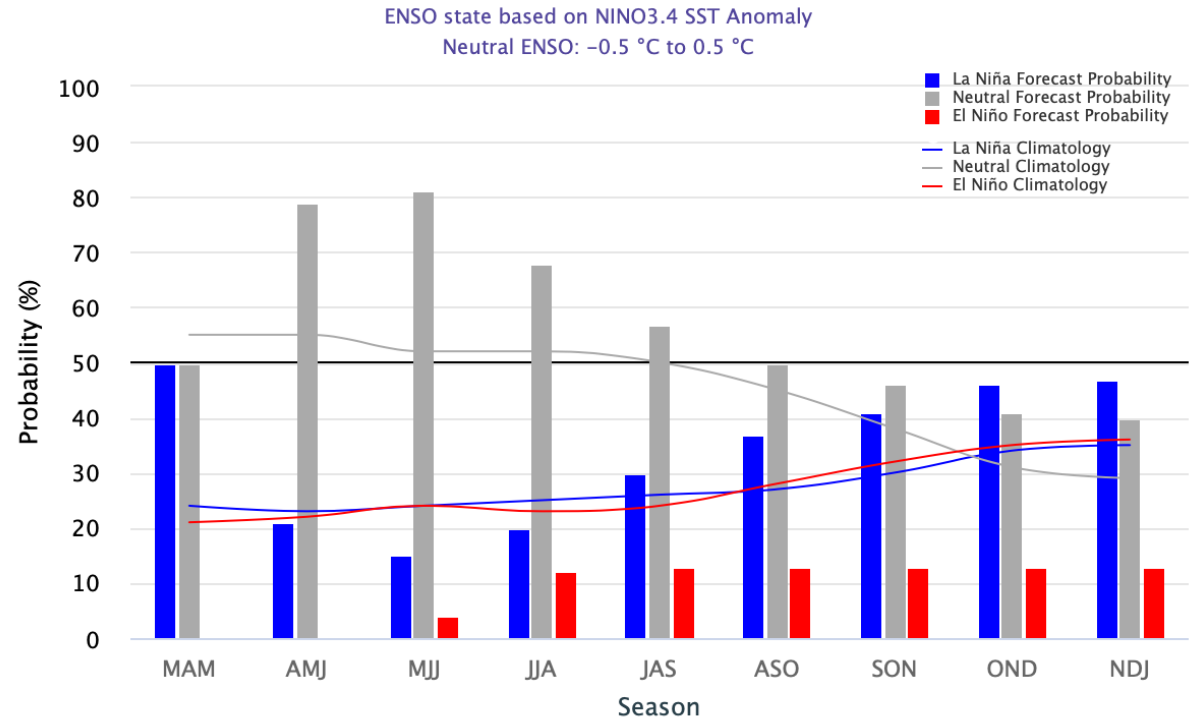


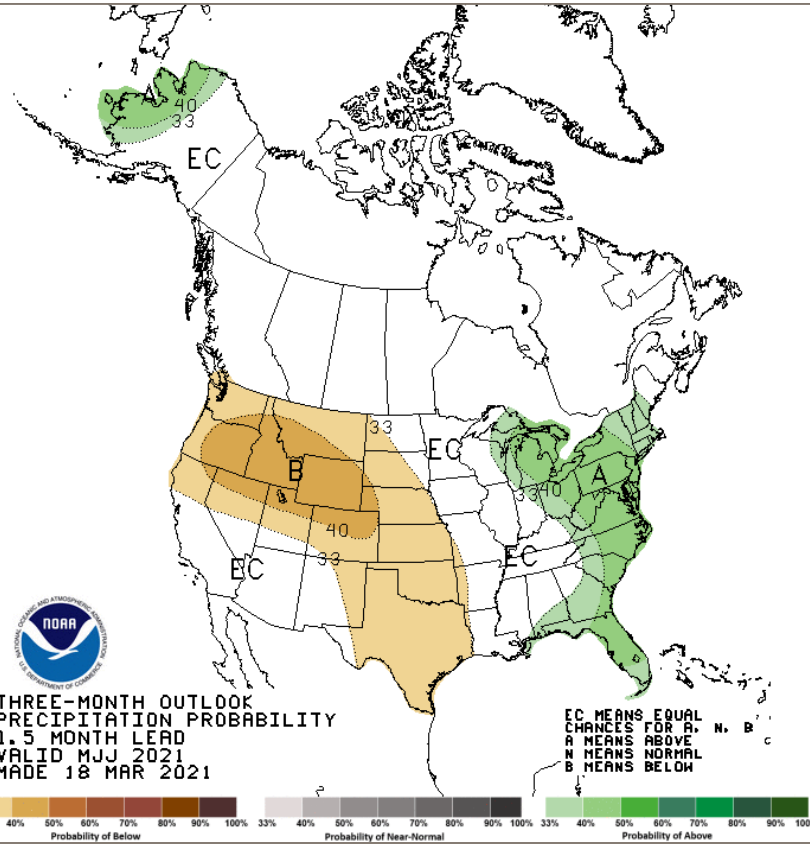
Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N-5°S, 120°W-170°W). Figure updated 19 March 2021.

[https://www.cpc.ncep.noaa.gov/products/analysis\\_monitoring/ens0\\_advisory/ensodisc.shtml](https://www.cpc.ncep.noaa.gov/products/analysis_monitoring/ens0_advisory/ensodisc.shtml)

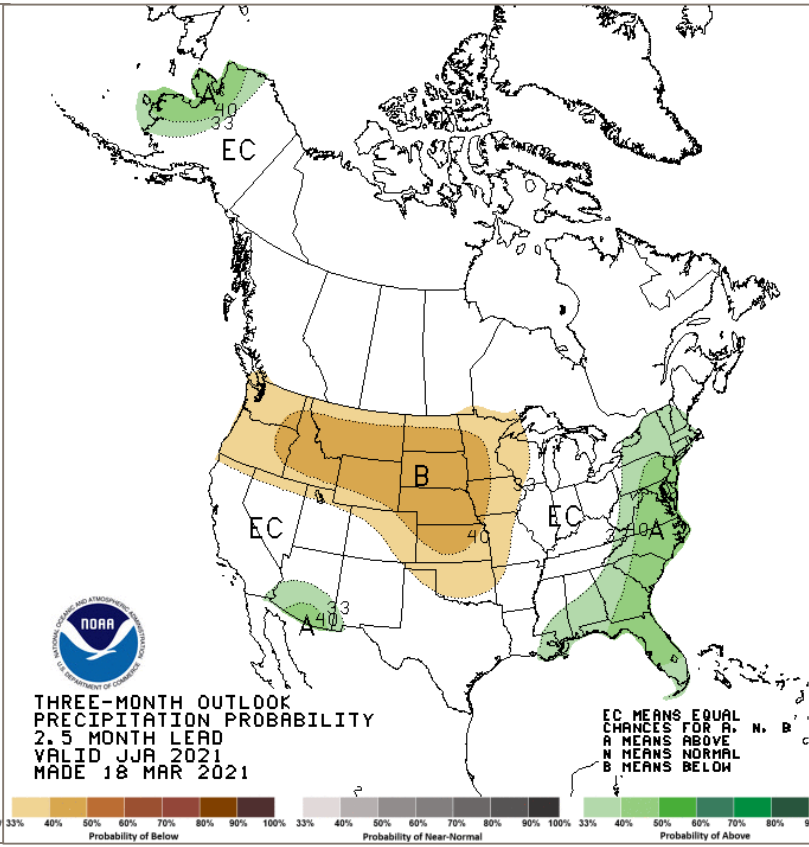
[https://iri.columbia.edu/our-expertise/climate/forecasts/ens0/current/?ens0\\_tab=ens0-cpc\\_plume](https://iri.columbia.edu/our-expertise/climate/forecasts/ens0/current/?ens0_tab=ens0-cpc_plume)



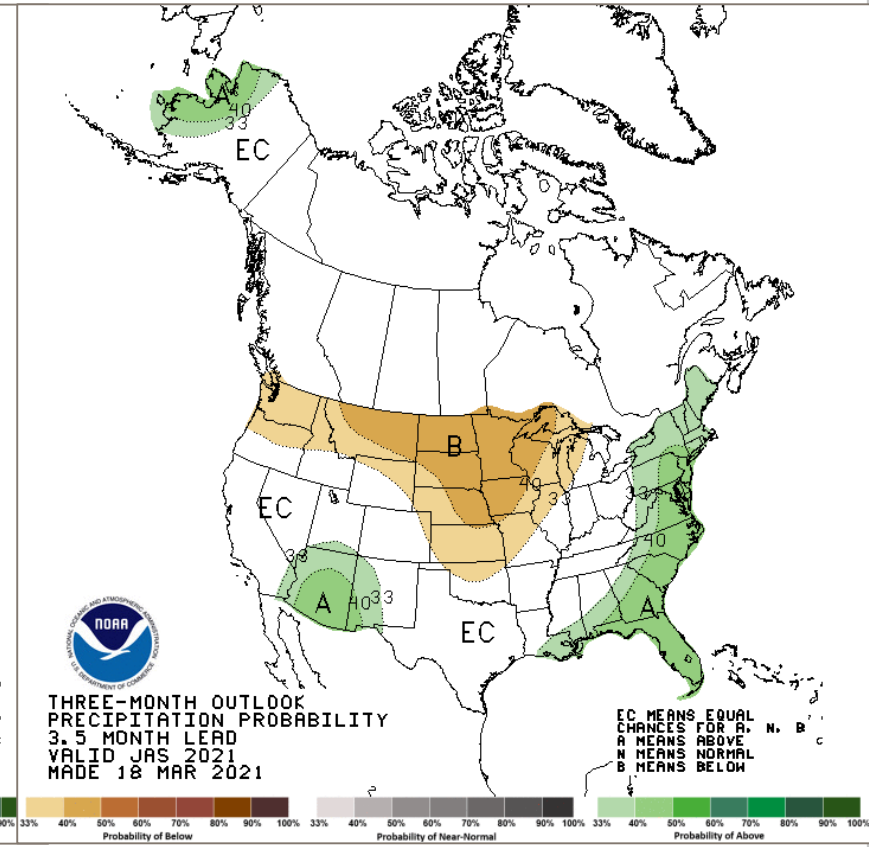
# WPC THREE MONTH OUTLOOK



May-June-July



June-July-August



July-August-September





# QUESTIONS

