HYDROLOGIC DATA BRIEF FOR THE EDWARDS AQUIFER January 12, 2016

Prepared by:
Steve Johnson and Geary Schindel
Edwards Aquifer Authority

January 12, 2016

Current Water Levels & Springflows

Well or Spring	Current Reading	Trend over last 10 days
J-27*	859.8 msl (1/12)	+0.6 ft
J-17	668.1 msl (1/12)	+1.4 ft
Comal Springs	318.3 cfs (1/12)	-2.71 cfs
San Marcos Springs	304 cfs (1/12)	-3.54 cfs

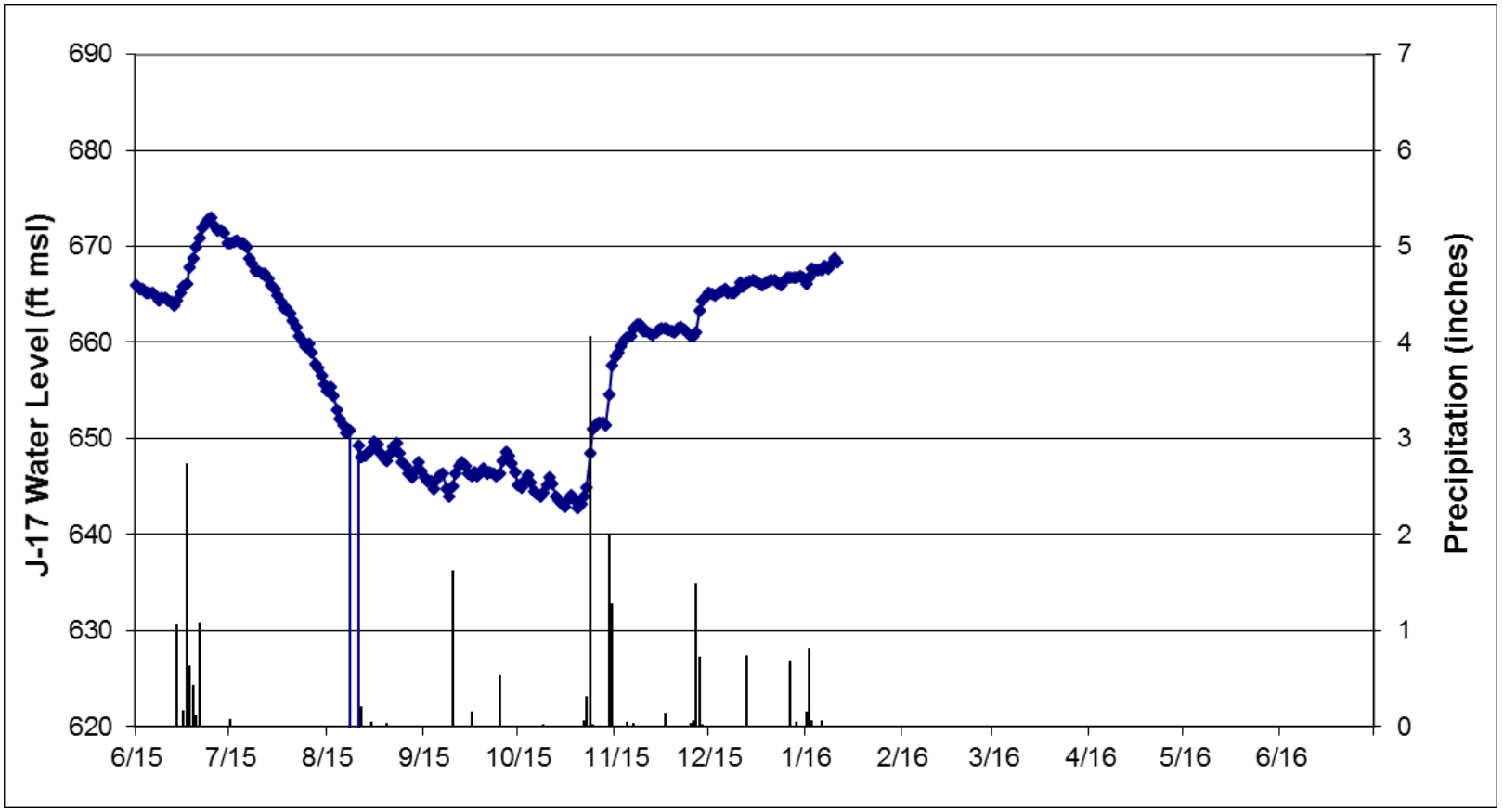
*Calculated from East Uvalde well water elevation

Long-Term Changes

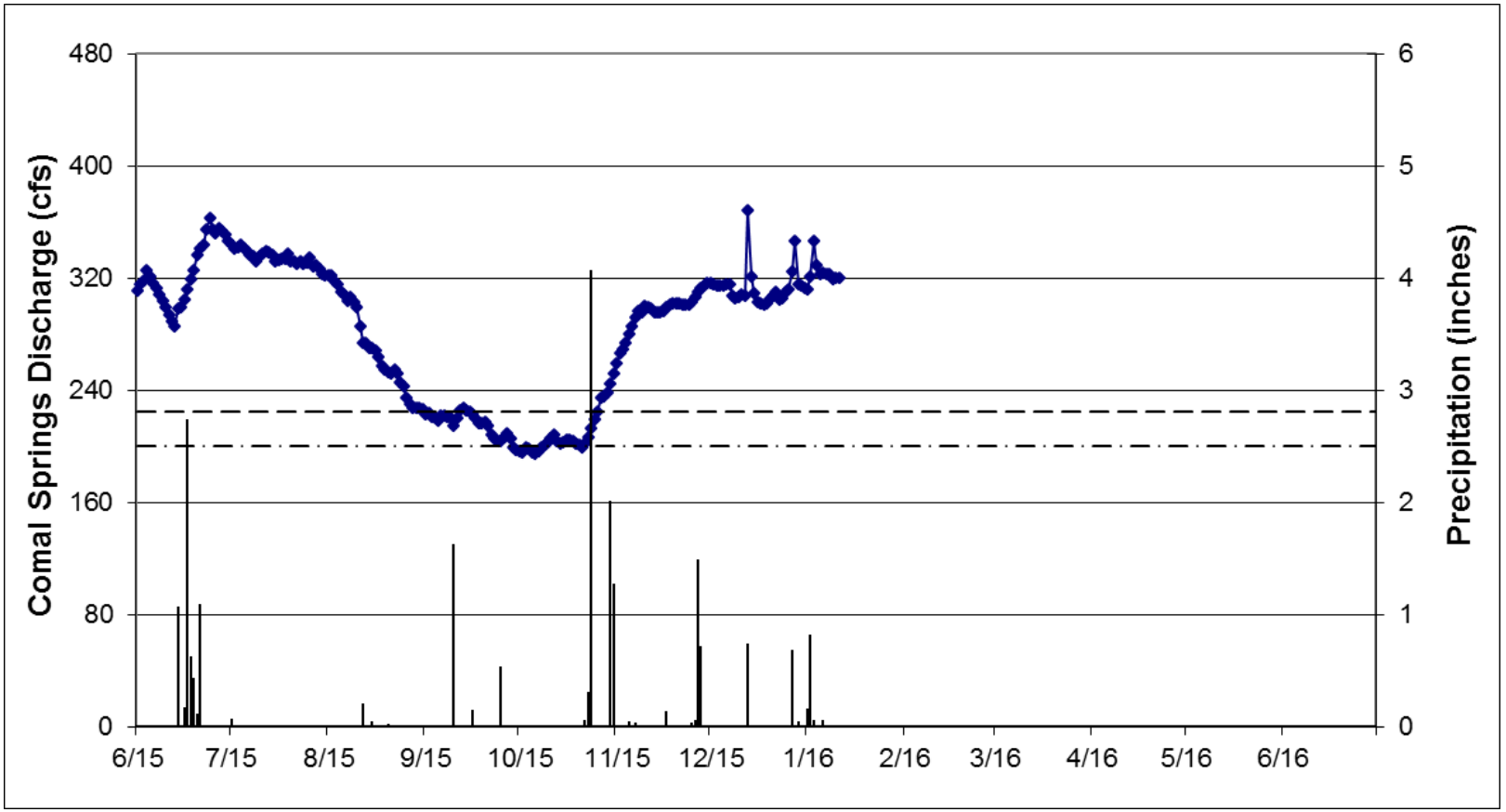
Well or Spring	Current Reading	Year Ago	One Year Deviation	Deviation from Historical Average
J-27*	859.8 msl (1/12)	824.3 msl	+35.5 ft	-10 ft
J-17	668.1 msl (1/12)	639.4 msl	+28.7 ft	-2 ft
Comal Springs	318.3 cfs (1/12)	139 cfs	+179.3 cfs	13 cfs
San Marcos Springs	304 cfs (1/12)	117 cfs	+187 cfs	132 cfs

*Calculated from East Uvalde well water elevation

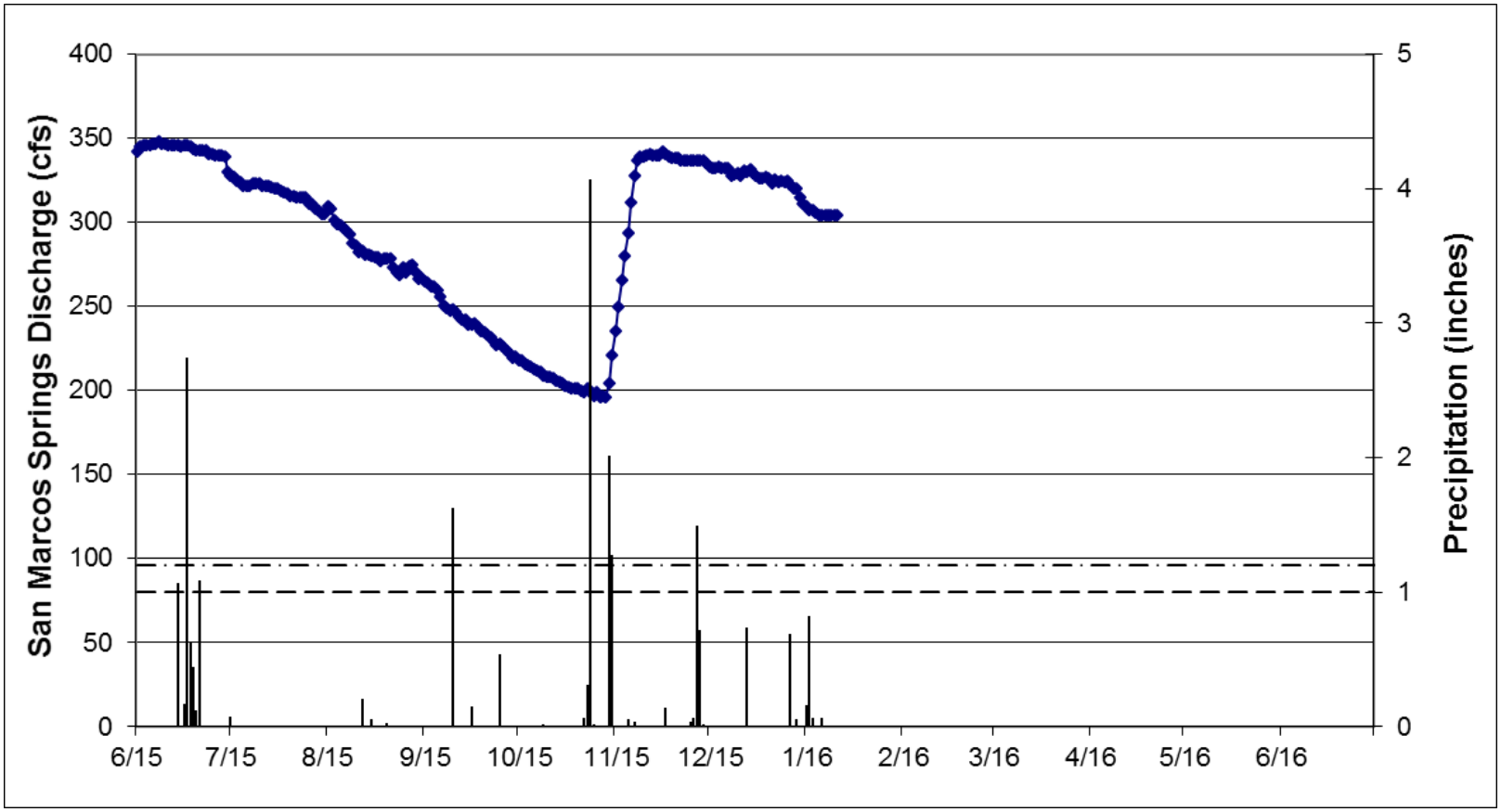
Well J-17 Water Level to Date (1-12-2016)



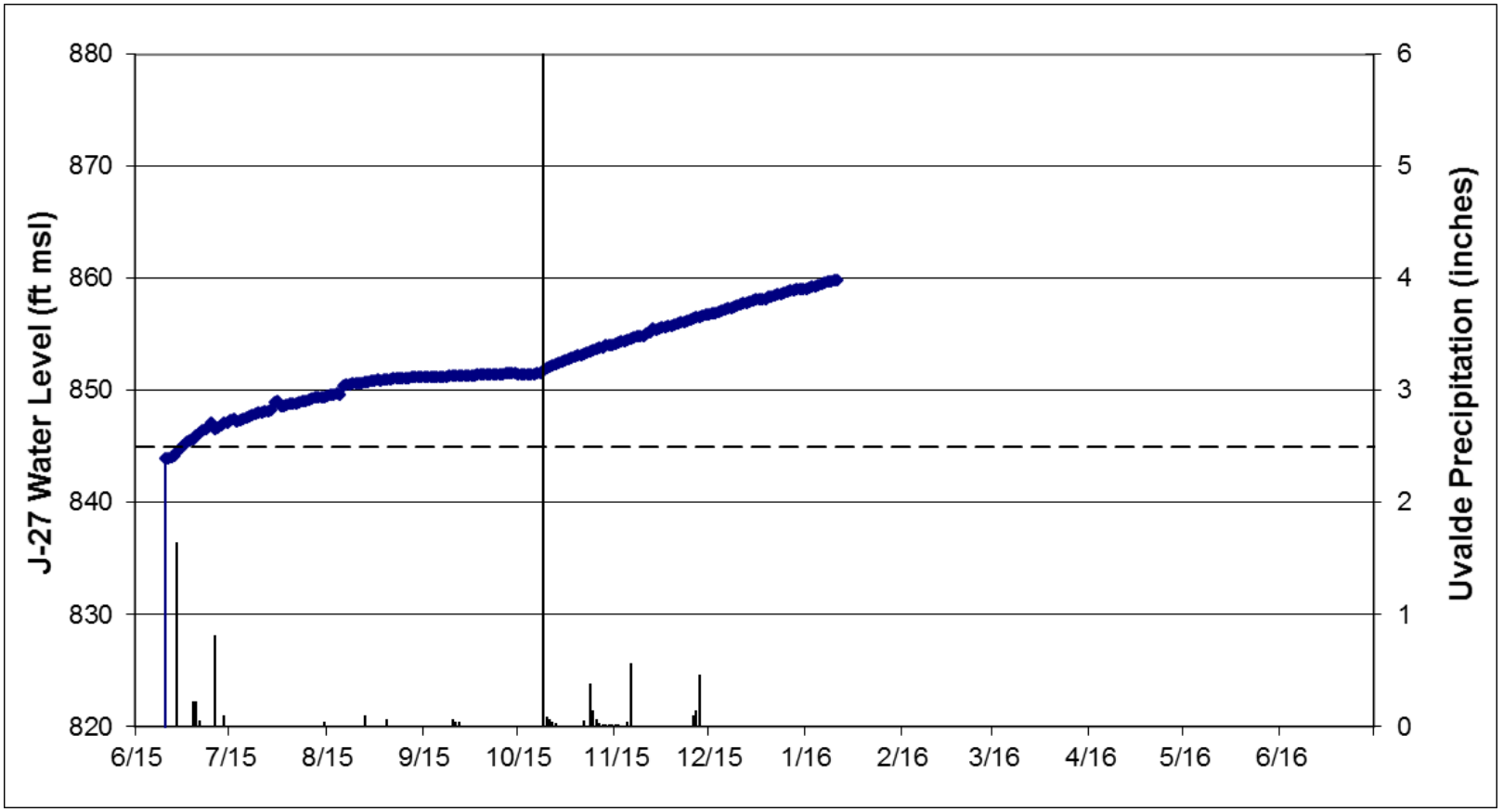
Comal Springs Discharge to Date (1-12-2016)



San Marcos Springs Discharge to Date (1-12-2016)



Well J-27 Water Level to Date (1-12-2016)



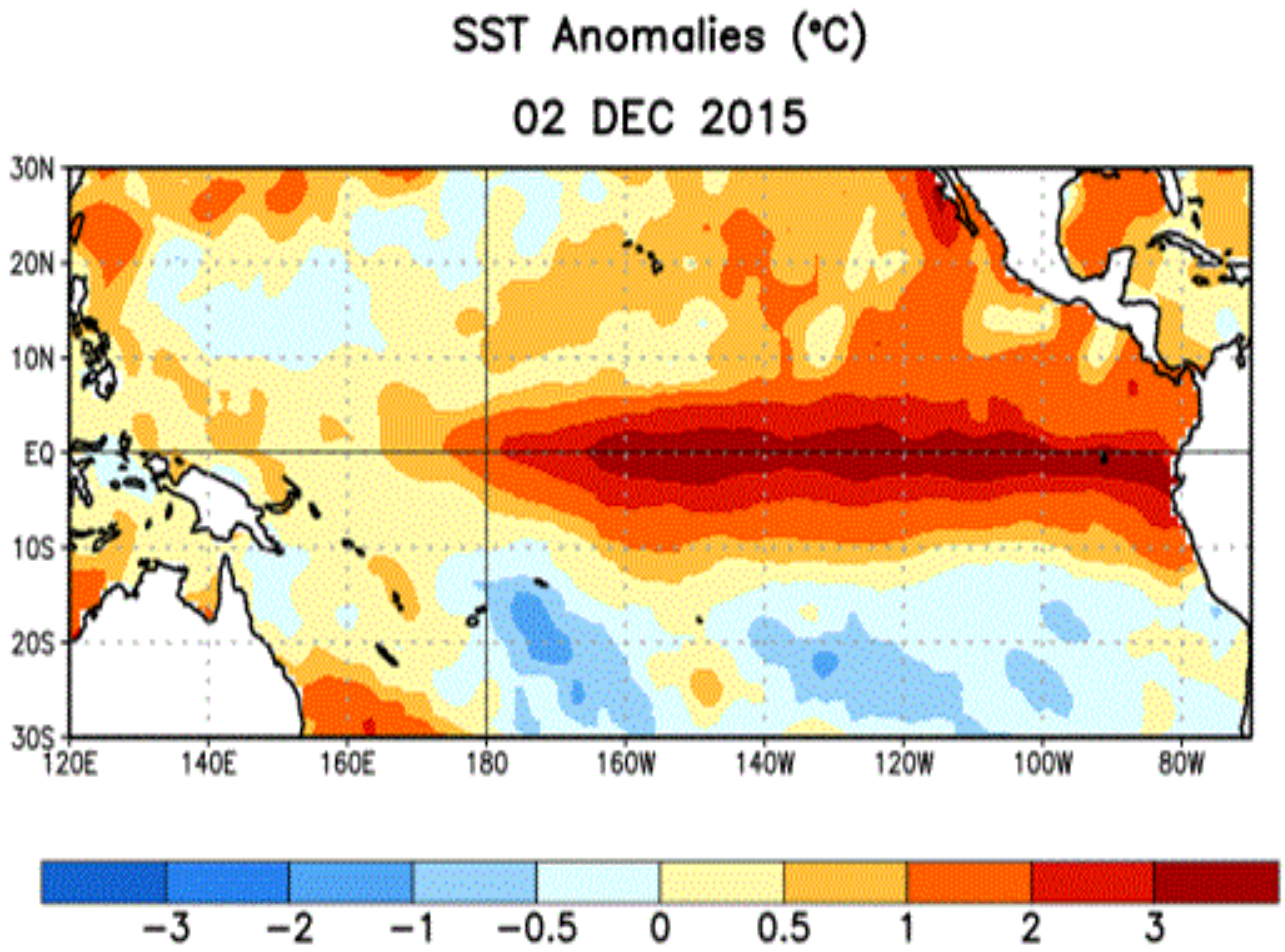


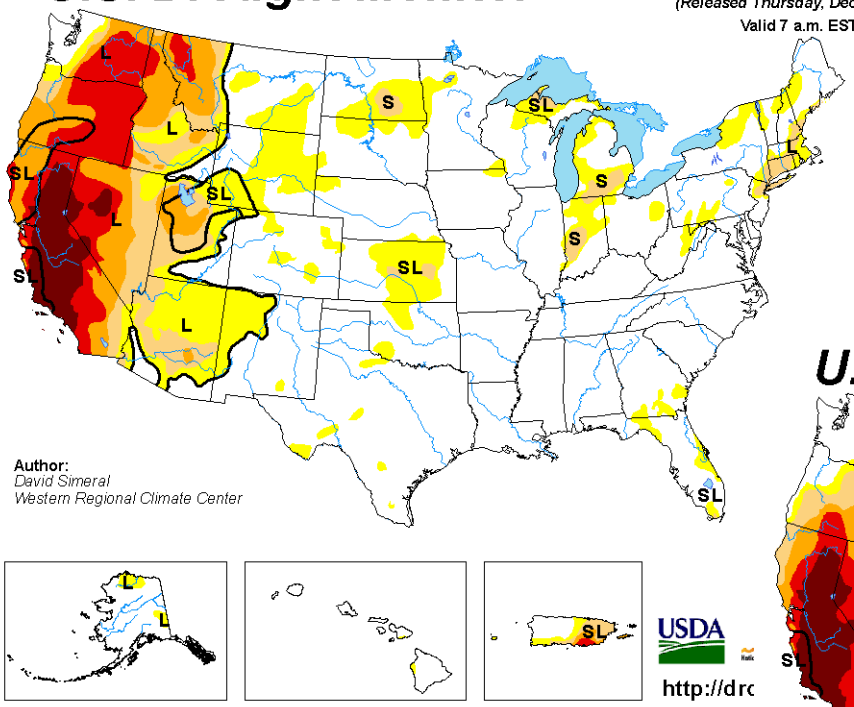
Figure 1. Average sea surface temperature (SST) anomalies (°C) for the week centered on 2 December 2015. Anomalies are computed with respect to the 1981-2010 base period weekly means.

U.S. Drought Monitor

December 1, 2015

(Released Thursday, Dec. 3, 2015)

Valid 7 a.m. EST



Author:
David Simeral
Western Regional Climate Center

USDA

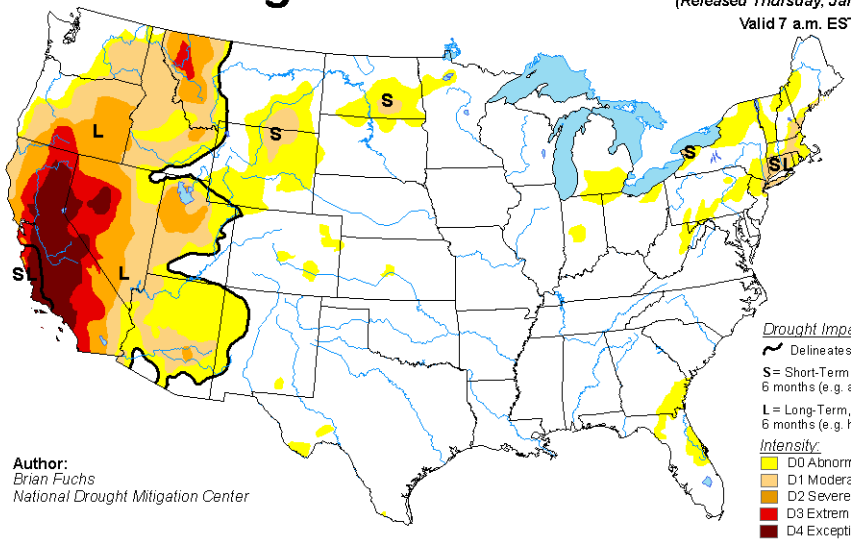
http://drc

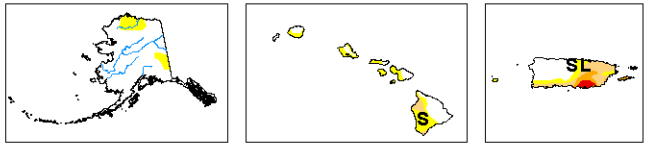
U.S. Drought Monitor

January 5, 2016

(Released Thursday, Jan. 7, 2016)

Valid 7 a.m. EST





Author:
Brian Fuchs
National Drought Mitigation Center

Drought Impact Types:

Delineates dominant impacts

S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)

L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

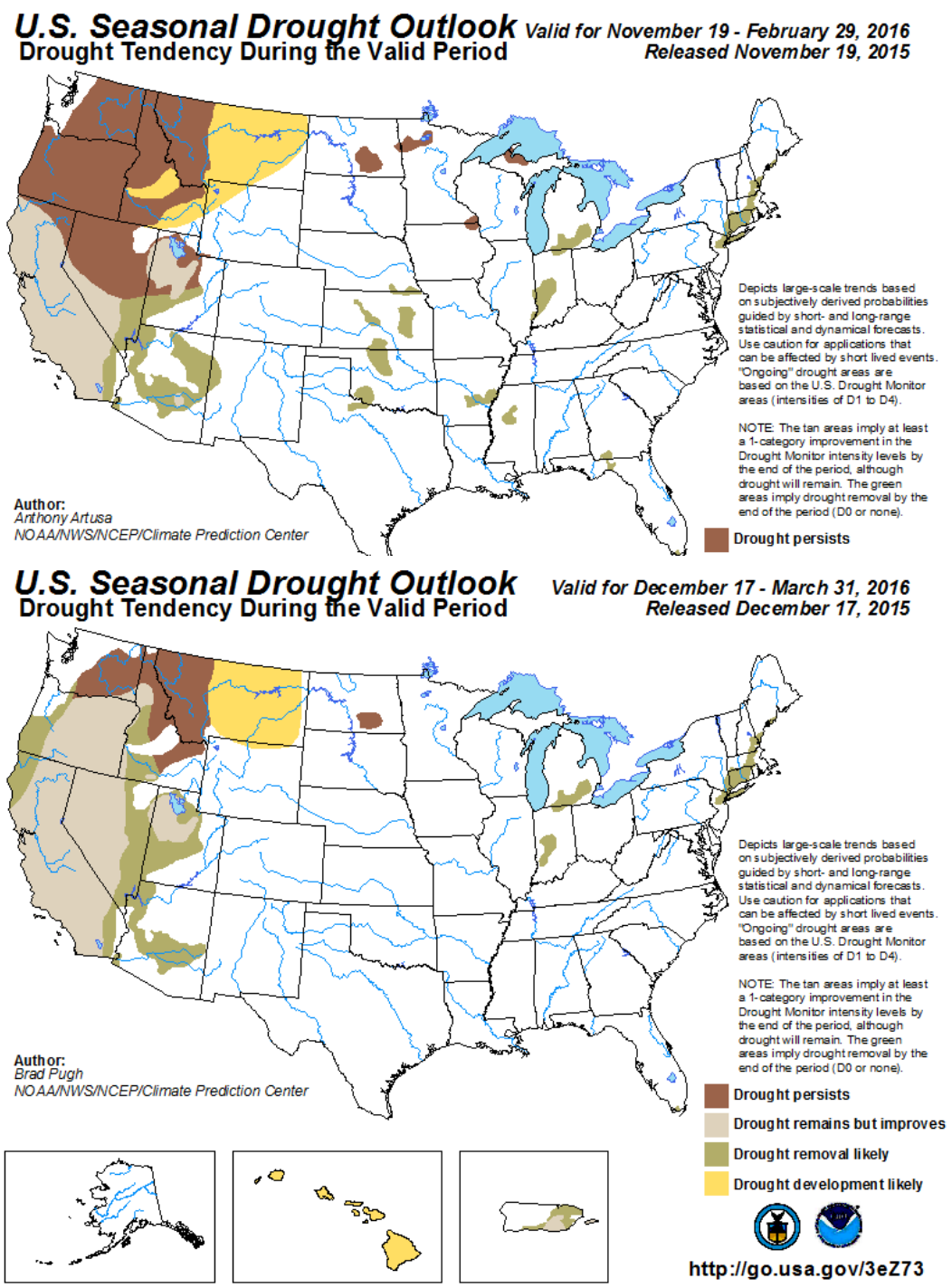
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

USDA

http://droughtmonitor.unl.edu/

MANAGE. ENHANCE. PROTECT.

20 YEARS

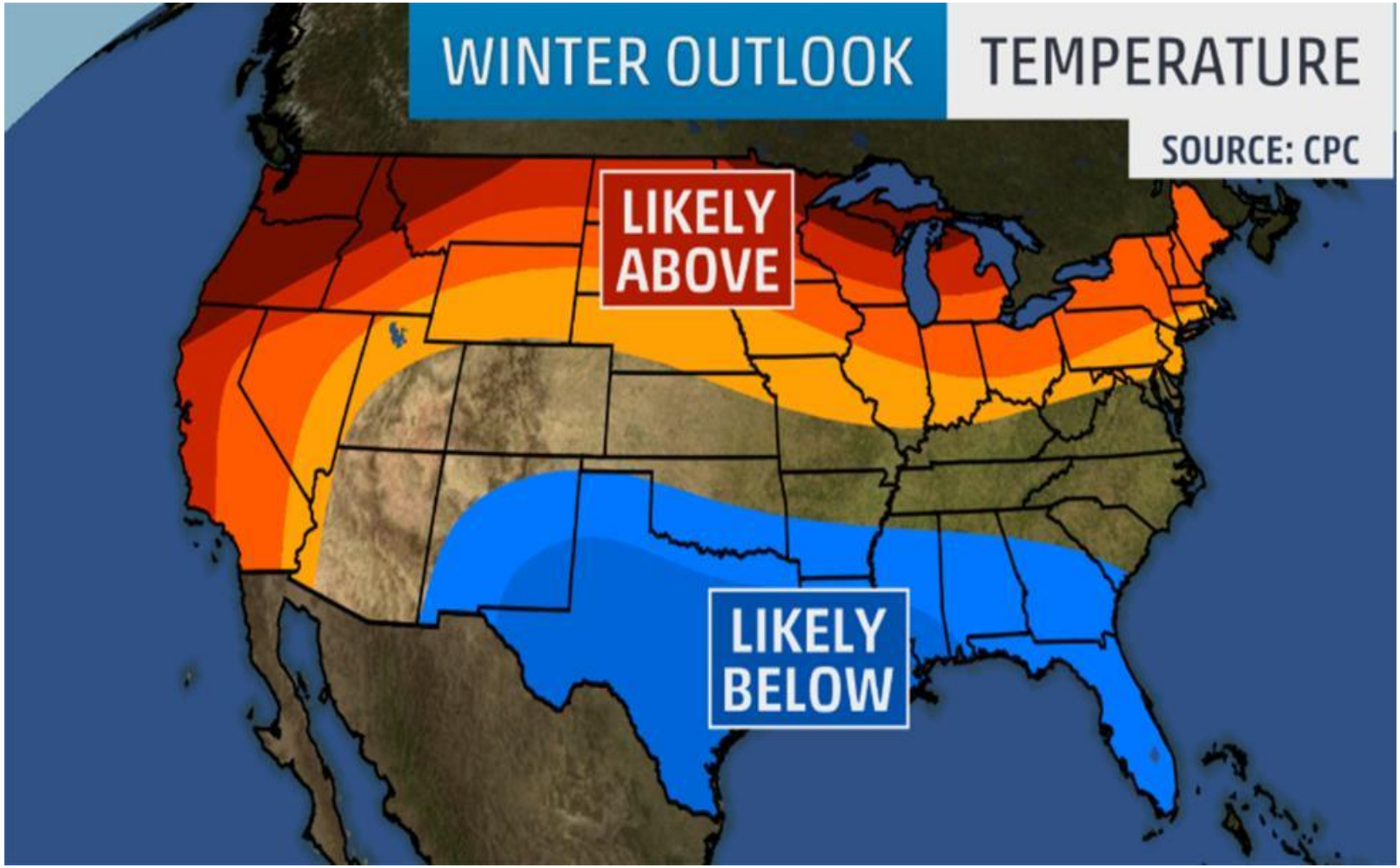


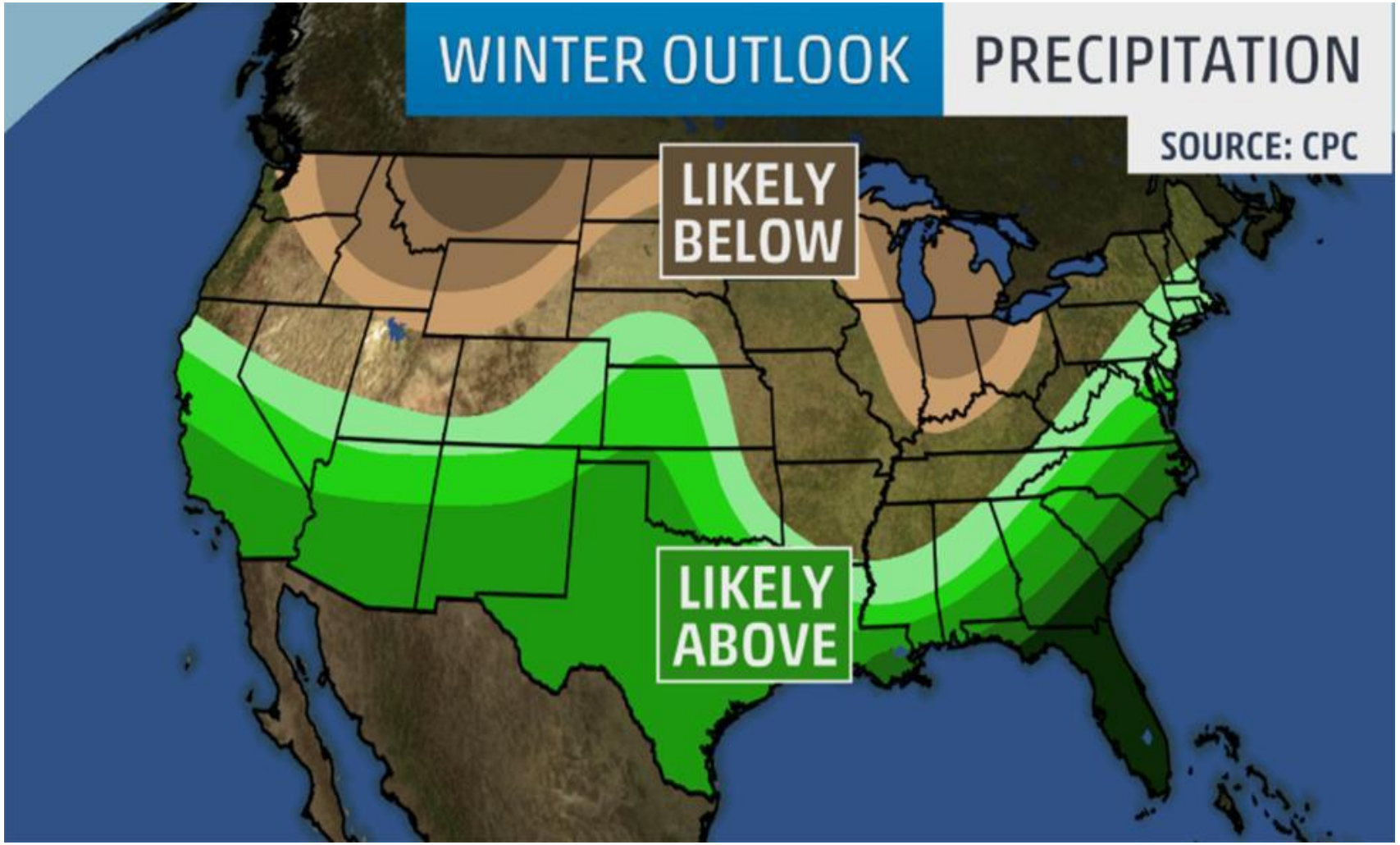
November 19 – February 29, 2016

Seasonal Drought Outlook

December 17 – March 31, 2016

El Niño will likely peak during the Northern Hemisphere winter 2015-16, with a transition to ENSO-neutral anticipated during the late spring or early summer 2016.


WINTER OUTLOOK
TEMPERATURE
SOURCE: CPC
LIKELY ABOVE
LIKELY BELOW


WINTER OUTLOOK
PRECIPITATION
SOURCE: CPC
LIKELY BELOW
LIKELY ABOVE