

## Dynamic Position Analysis for April 15, 2026

### SFWMM Model Simulation of 52 years ( 1965-2016)

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# April 15, 2026 Modeling Dynamic Position Analysis Modeling Assumptions

- April 15, 2026 DPA is based on regular Position Analysis applying V 7.3.6 of the SFWMM, and assuming the current Lake Okeechobee Net Inflow Outlook (LONINO) for each year simulated. It is based on historical climatic conditions spanning the period 1965-2016.
- The model is reinitialized March 15th of each year.
- The Lake Okeechobee operations follow the Lake Okeechobee System Operating Manual (LOSOM). Modeling assumptions are consistent with modeling performed for LOSOM Supplemental Environmental Impact Statement (SEIS).
- LOK Temporary Forward Pump operations will be in place, whenever necessary, to improve water supply deliveries from the Lake under low Lake stages.
- STA surface area values are modified to reflect current flow ways under operation. STA depths are maintained to a minimum of 6 inches using Lake Okeechobee releases.
- Lake Okeechobee Water Shortage Management (LOWSM) is included in the simulation which reflects the currently approved 40E-21 and 40E-22 water shortage rules.
- Water supply restrictions simulated for the urban areas reflect current District water shortage management policies.
- Wet and Dry years selected by examining all years and choosing the wettest or driest years in both near and far-term.

Lake Okeechobee Water Shortage Triggering Line									
01/01	03/31	04/30	05/30	05/31	09/30	10/01	10/31	11/30	12/31
12.15	11.70	10.95	10.50	10.50	13.00	13.00	12.80	12.40	12.16

- ENSO-neutral conditions favored through April-June 2026 (80% chance). In May-July 2026, El Niño is likely to emerge (61% chance) and persist through at least the end of 2026.
- ENSO (El Niño Southern Oscillation) years (El Niño, La Niña and ENSO Neutral) are selected by locating the current month as it falls in the middle of the 3-month average in the official ONI table from NOAA/CPC:  
[https://origin.cpc.ncep.noaa.gov/products/analysis\\_monitoring/ensostuff/ONI\\_v5.php](https://origin.cpc.ncep.noaa.gov/products/analysis_monitoring/ensostuff/ONI_v5.php)

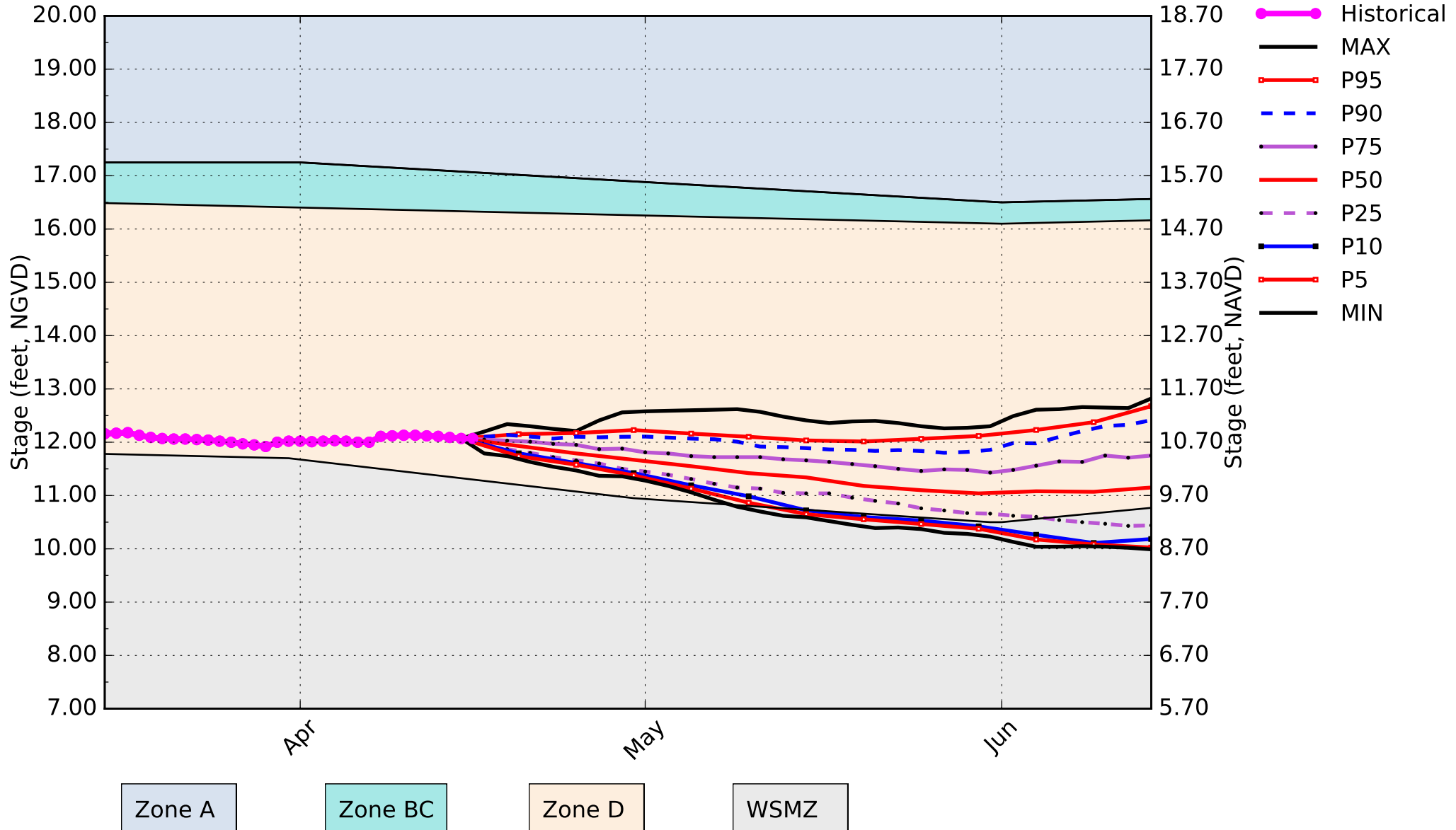
If the current month is within an official ENSO event (5 consecutive 3-month periods) then that year is considered an ENSO year for that month, these years are compiled ahead of the model simulations for all ENSO events within the period of record of the model simulation. Each month will have a different set of years. The strength of the ENSO event may vary among the selected years, and the DPA simulation of these years may show wide variability in modeled stages.

- All stages converted to NAVD88 were calculated based on offsets listed on Final Regulation Schedule Conversion (5/19/2020). NAVD88 axis applies only to regulation schedules and is plotted for informational purposes.
- S-65E inflows entering Lake Okeechobee in the SFWMM simulation were obtained by adding S-65 flows, obtained from the UK-OPS simulation in a PA mode, and local runoff contribution from the Lower Kissimmee, computed as the difference of S65E and S65 historical flows for the period 1965-2005. Runoff contribution on any given day of the current PA month is adjusted based on a correlation function of Palmer Drought Index, rainfall and historical flows.
- Back pumping of excess runoff from the EAA into Lake Okeechobee takes place only under flood control conditions (Interim Action Plan).
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- Starting January 2020 to reflect recent operation practices the 30-day moving average salinity check at I-75 bridge for Adaptive Protocols - Lake Okeechobee Release to the Caloosahatchee Estuary has been disabled in the Water Management Model.
- Operations for structures in the SDCS are more consistent with COP.
- WCA-3A simulated using COP.
- Flows south were adjusted to better approximate recent operational practices within the discretion of LOSOM release guidance.
- Modeling parameters are adjusted as needed to better approximate current operational practices.
- Information for the initial conditions can be viewed [here](#). Initial stages for specified canals are shown [here](#) and gages are shown [here](#).

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# Lake Okeechobee SFWMM April 15 2026 Position Analysis

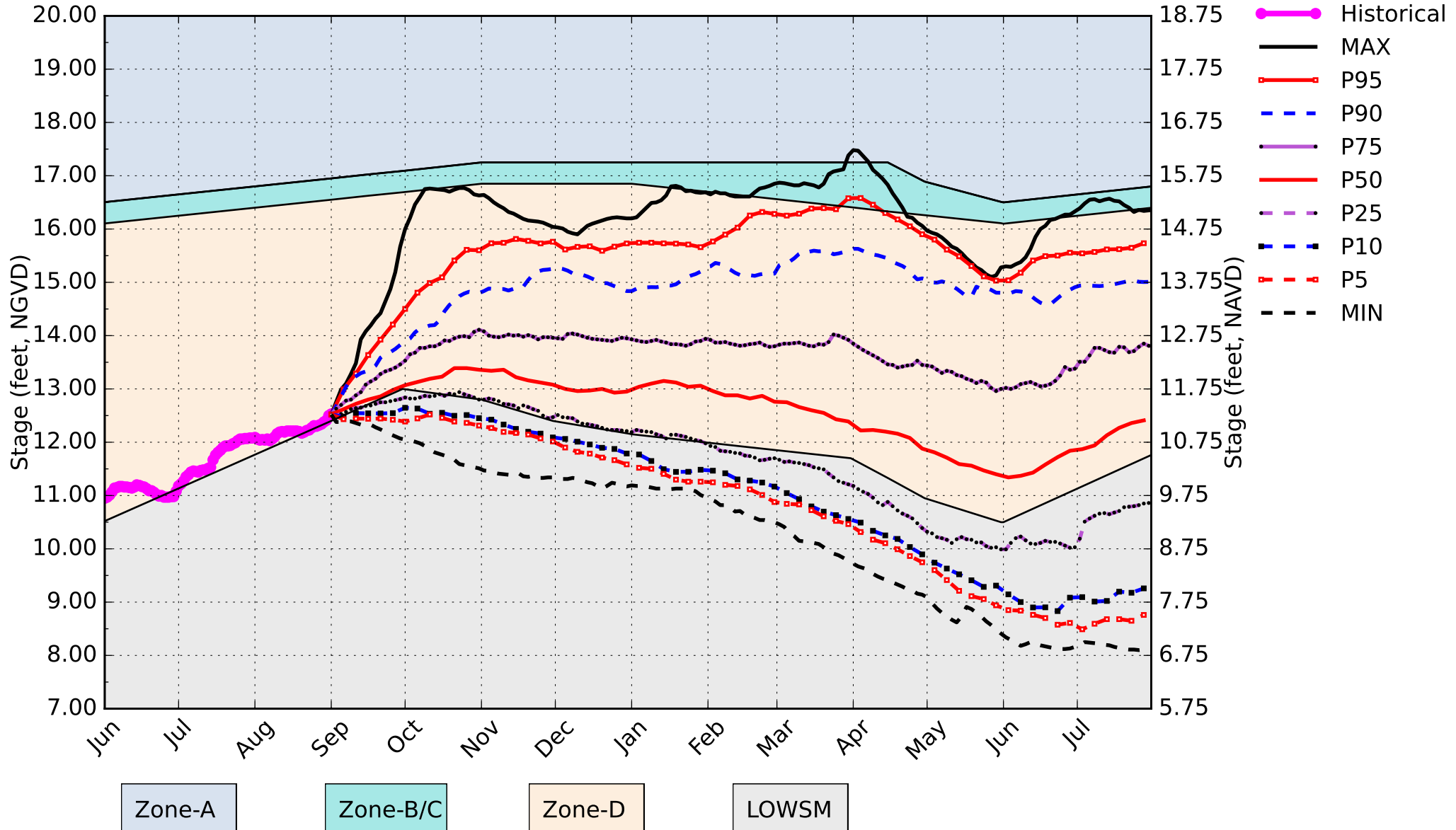
## Percentiles PA



(See Assumptions on the Operational Planning Website)

# Lake Okeechobee SFWMM September 2025 Position Analysis

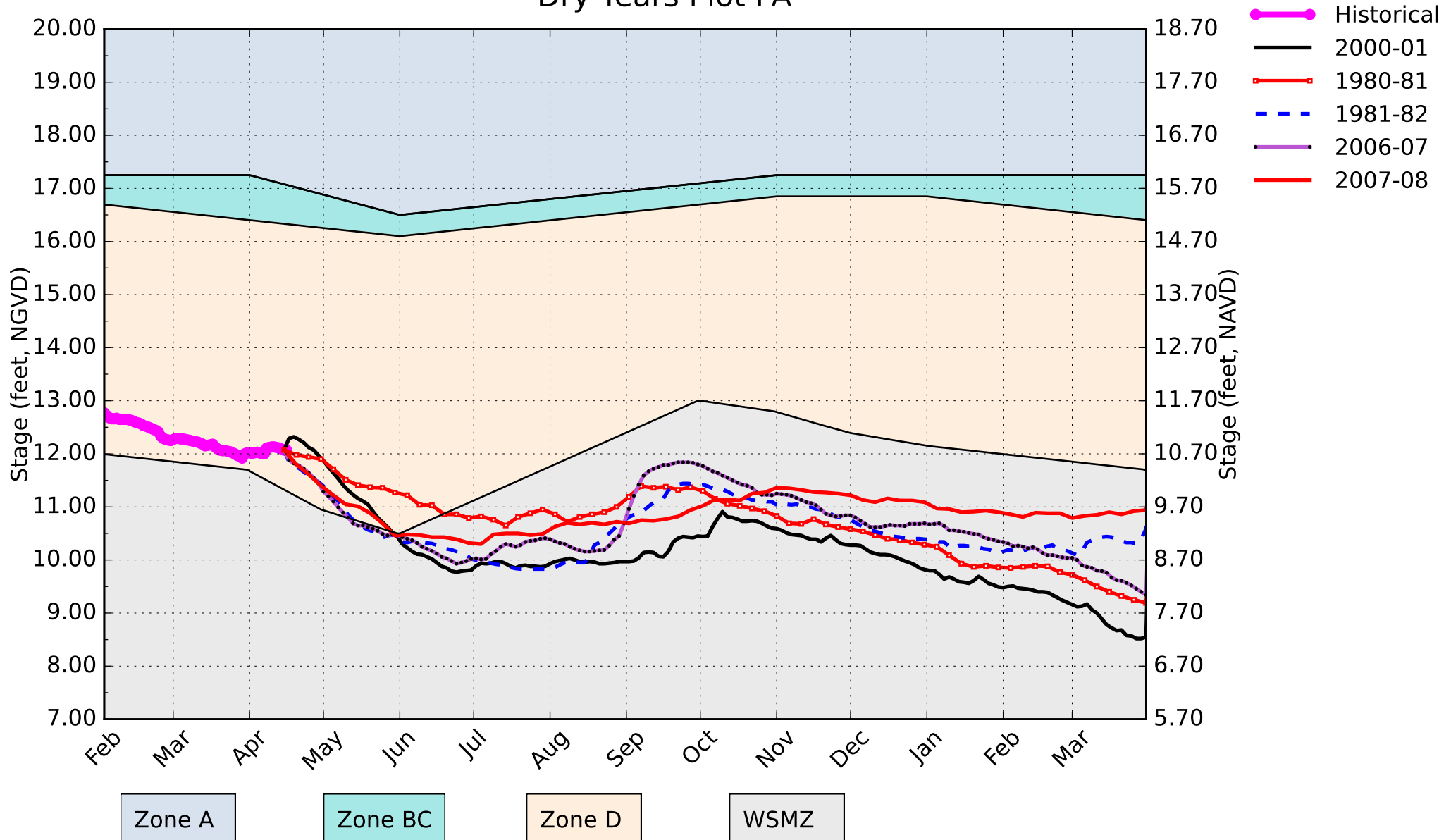
Percentiles PA



(See Assumptions on the Operational Planning Website)

# Lake Okeechobee SFWMM April 15 2026 Position Analysis

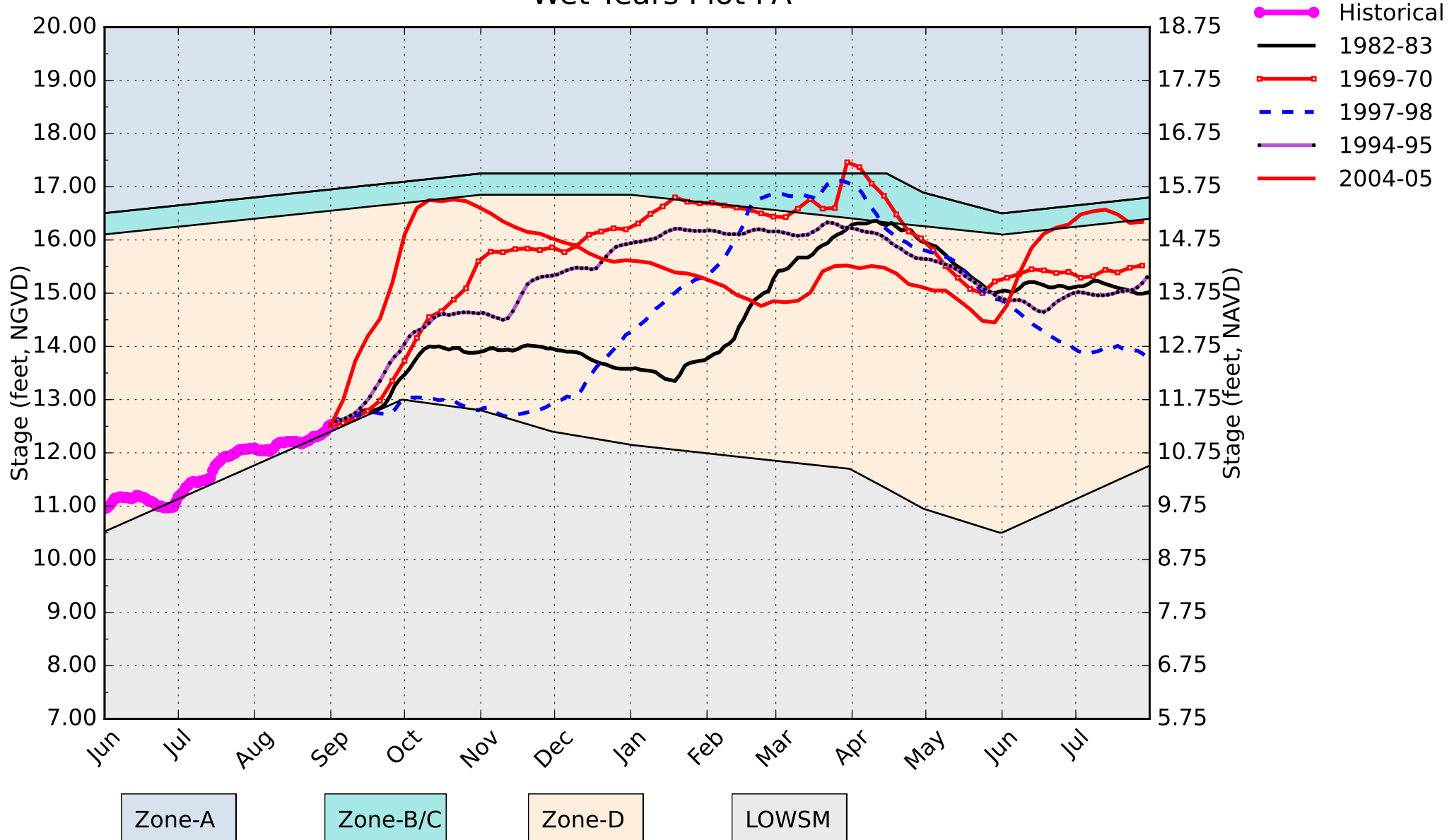
## Dry Years Plot PA



(See Assumptions on the Operational Planning Website)

# Lake Okeechobee SFWMM September 2025 Position Analysis

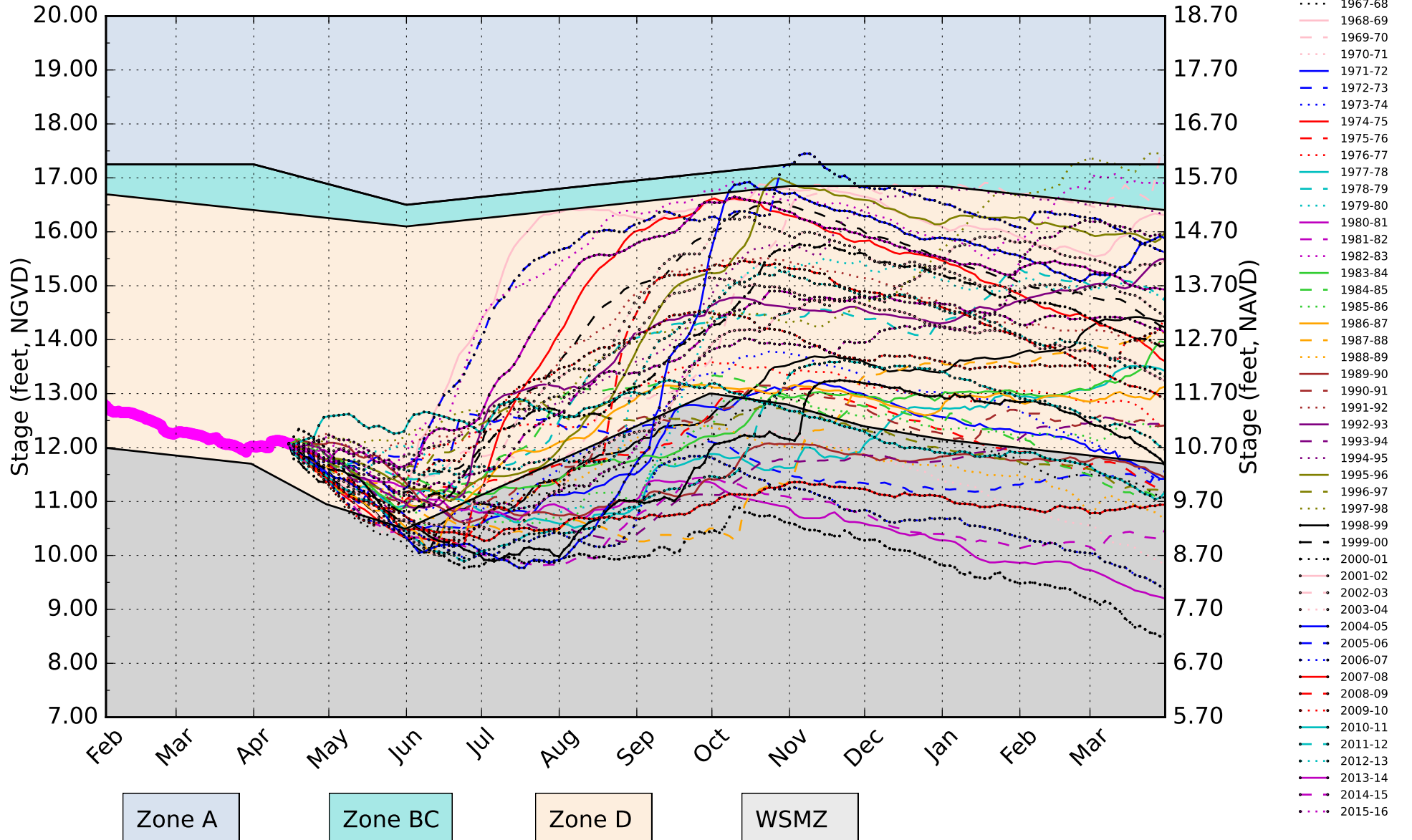
## Wet Years Plot PA



(See Assumptions on the Operational Planning Website)

# Lake Okeechobee SFWMM April 15 2026 Position Analysis

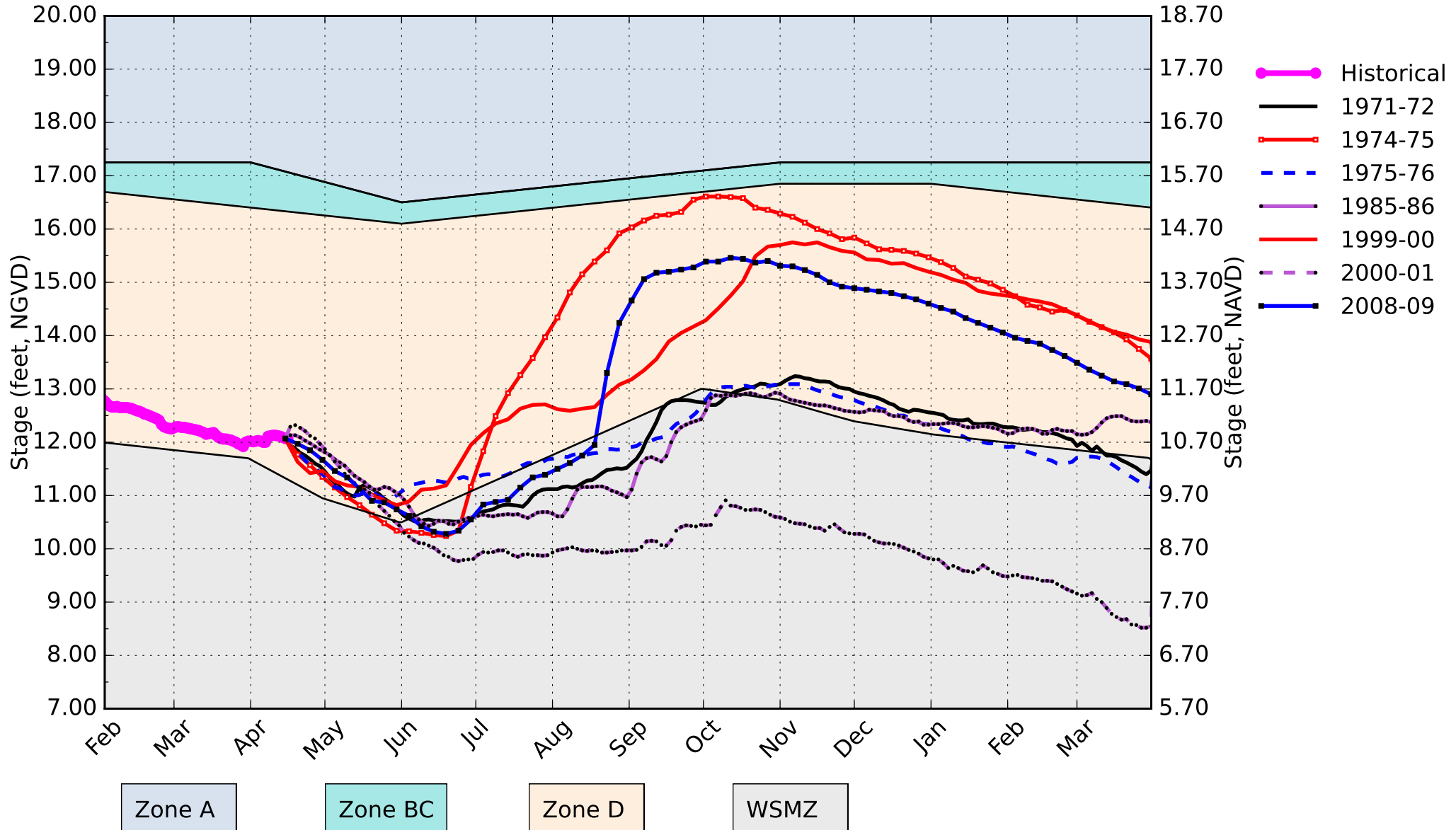
## All Simulated Years Plot PA



(See Assumptions on the Operational Planning Website)

# Lake Okeechobee SFWMM April 15 2026 Position Analysis

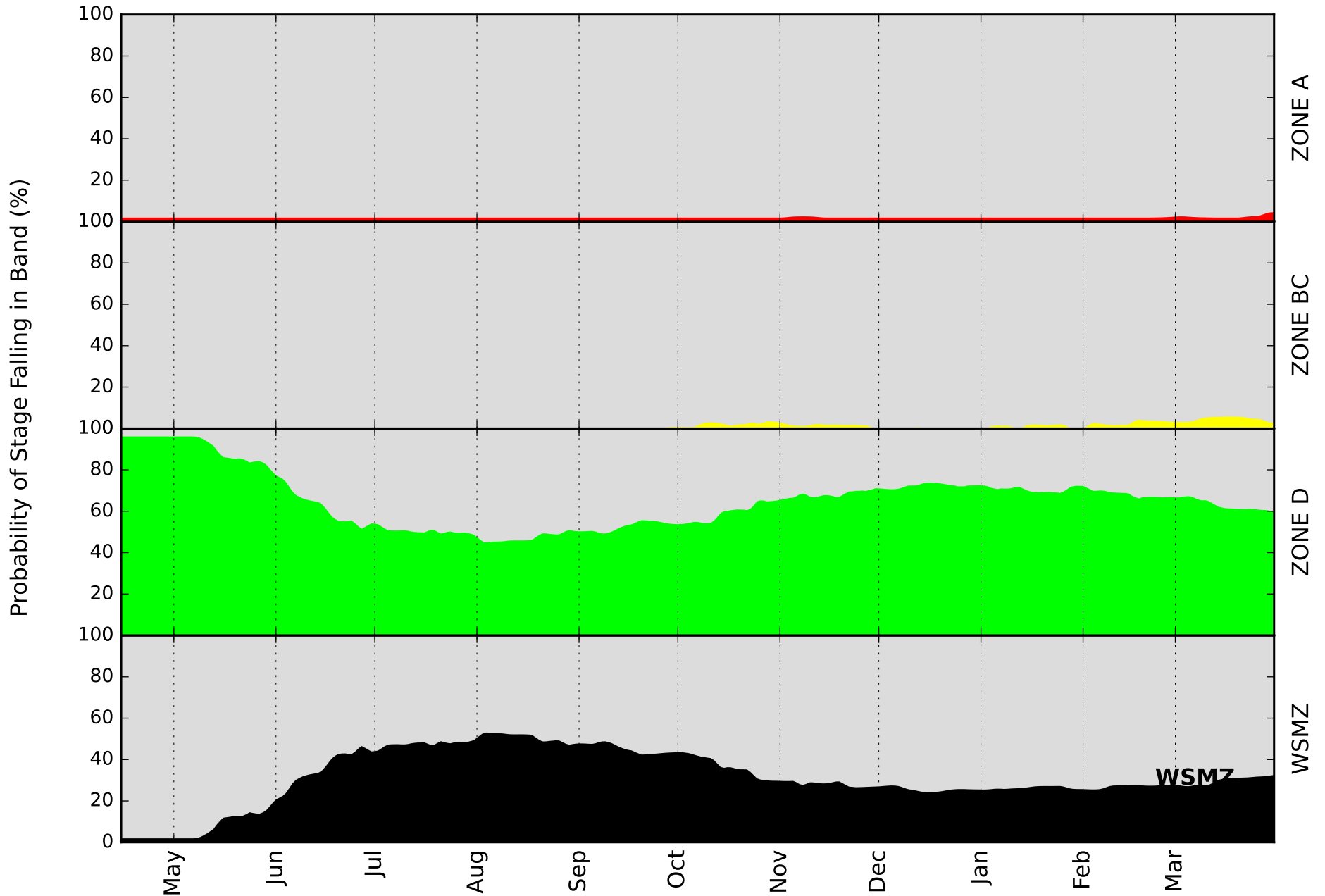
All La Nina Years Plot PA



(See Assumptions on the Operational Planning Website)

# Lake Okeechobee – Band Probabilities

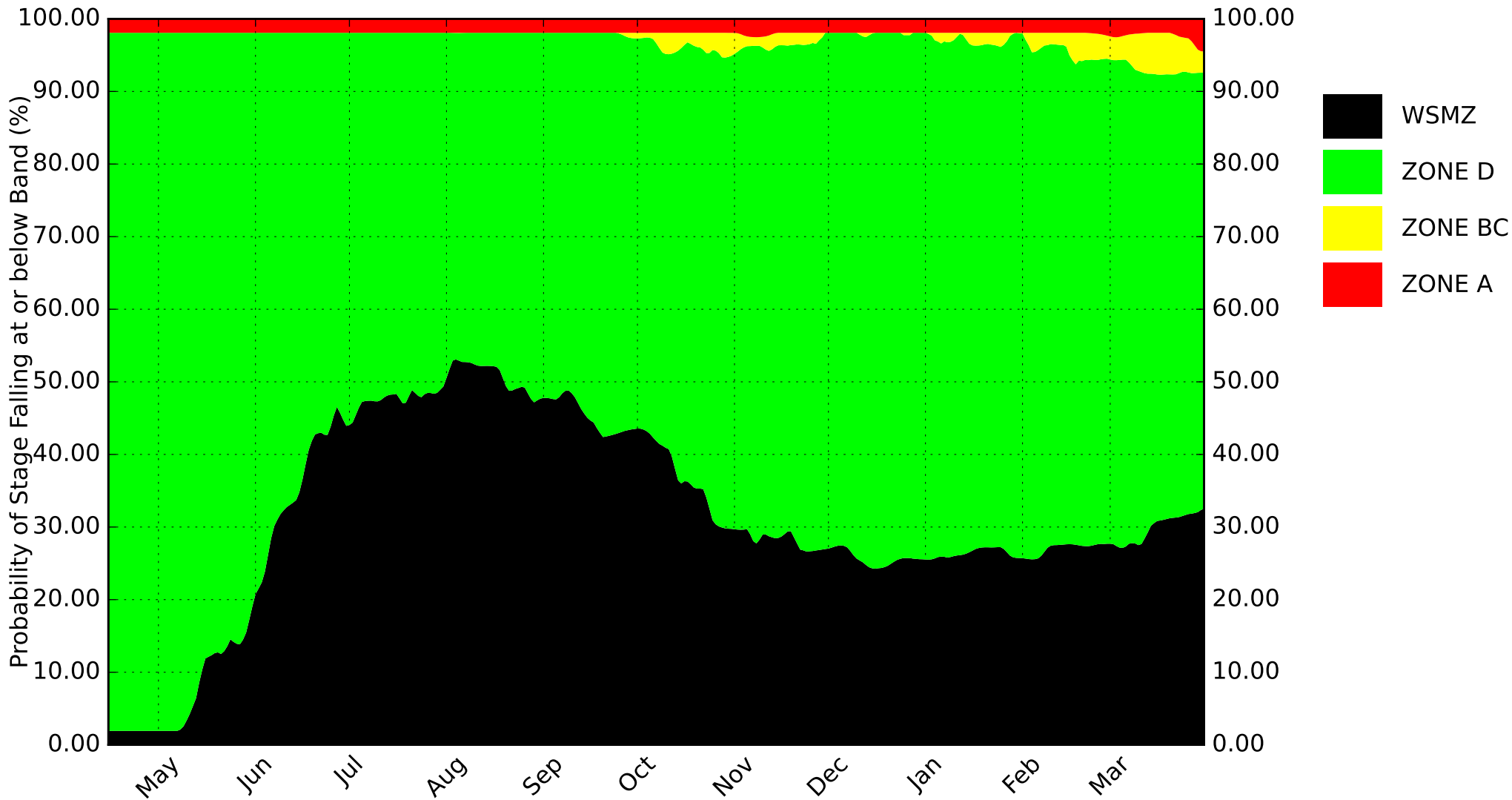
(See Assumptions on the Operational Planning Website)



WSM7

# Lake Okeechobee – Probabilities for Operational Bands

(See Assumptions on the Operational Planning Website)



The width for each band gives the probability of stage falling in that band, as defined by the operational schedules

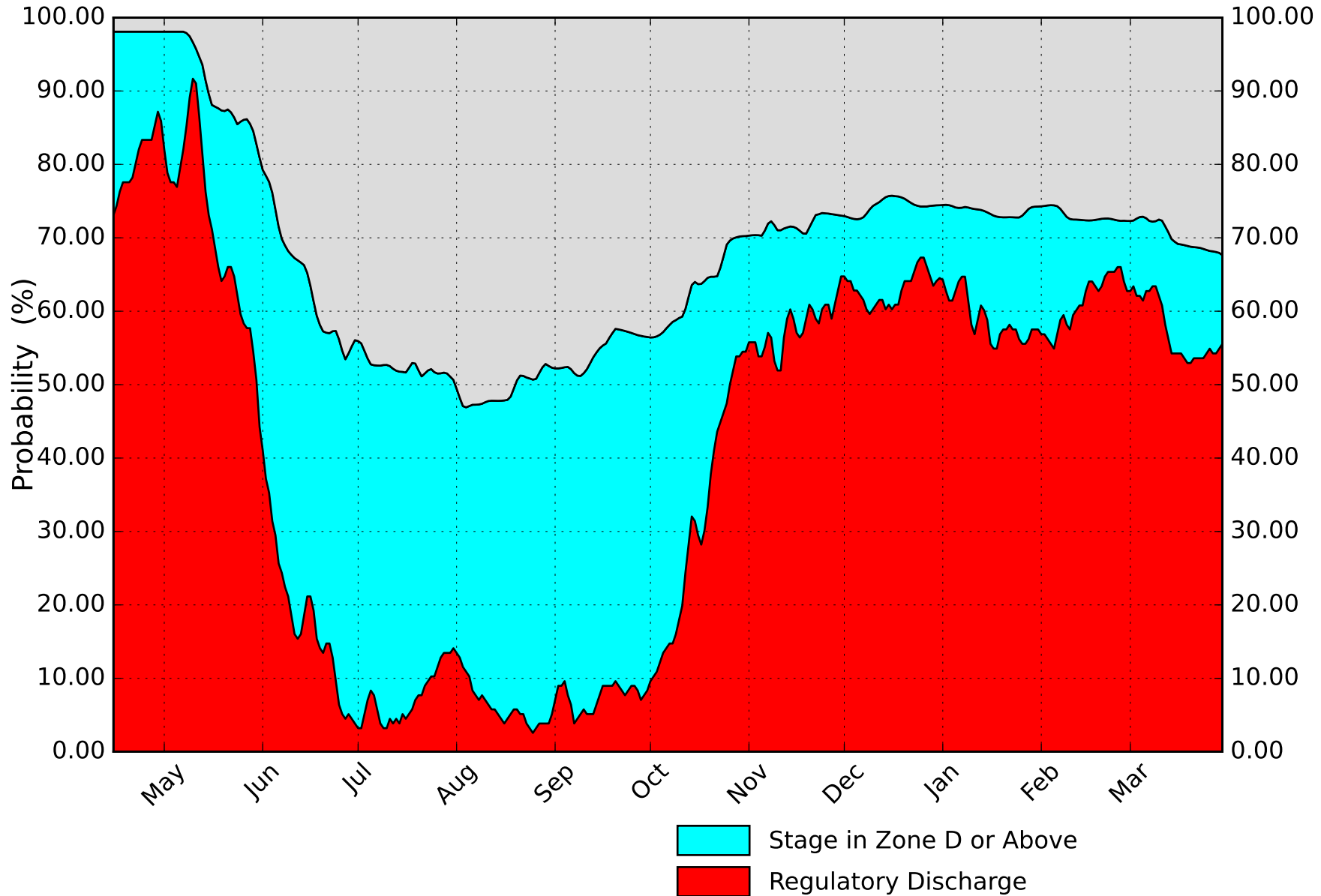
Lake Okechobee Band Probabilities (%) at the Beginning of Each Month  
(See assumptions on the Position Analysis Results website)

Initial Stage 12.02 ft. for 04/ 01/ 2026

Date(m/d/y)	HLM	ZONE_BC	ZONE_D1	LOWSM
4/1/2026	1.92	0	96.15	1.92
5/1/2026	1.92	0	96.15	1.92
6/1/2026	1.92	0	77.32	20.75
7/1/2026	1.92	0	54.02	44.06
8/1/2026	1.92	0	47.54	50.54
9/1/2026	1.92	0	50.29	47.78
10/1/2026	1.92	0.78	53.73	43.57
11/1/2026	1.93	2.89	65.49	29.7
12/1/2026	1.92	0	71.04	27.04
1/1/2027	1.92	0	72.55	25.53
2/1/2027	1.92	0.08	72.28	25.71
3/1/2027	2.43	3.17	66.7	27.7

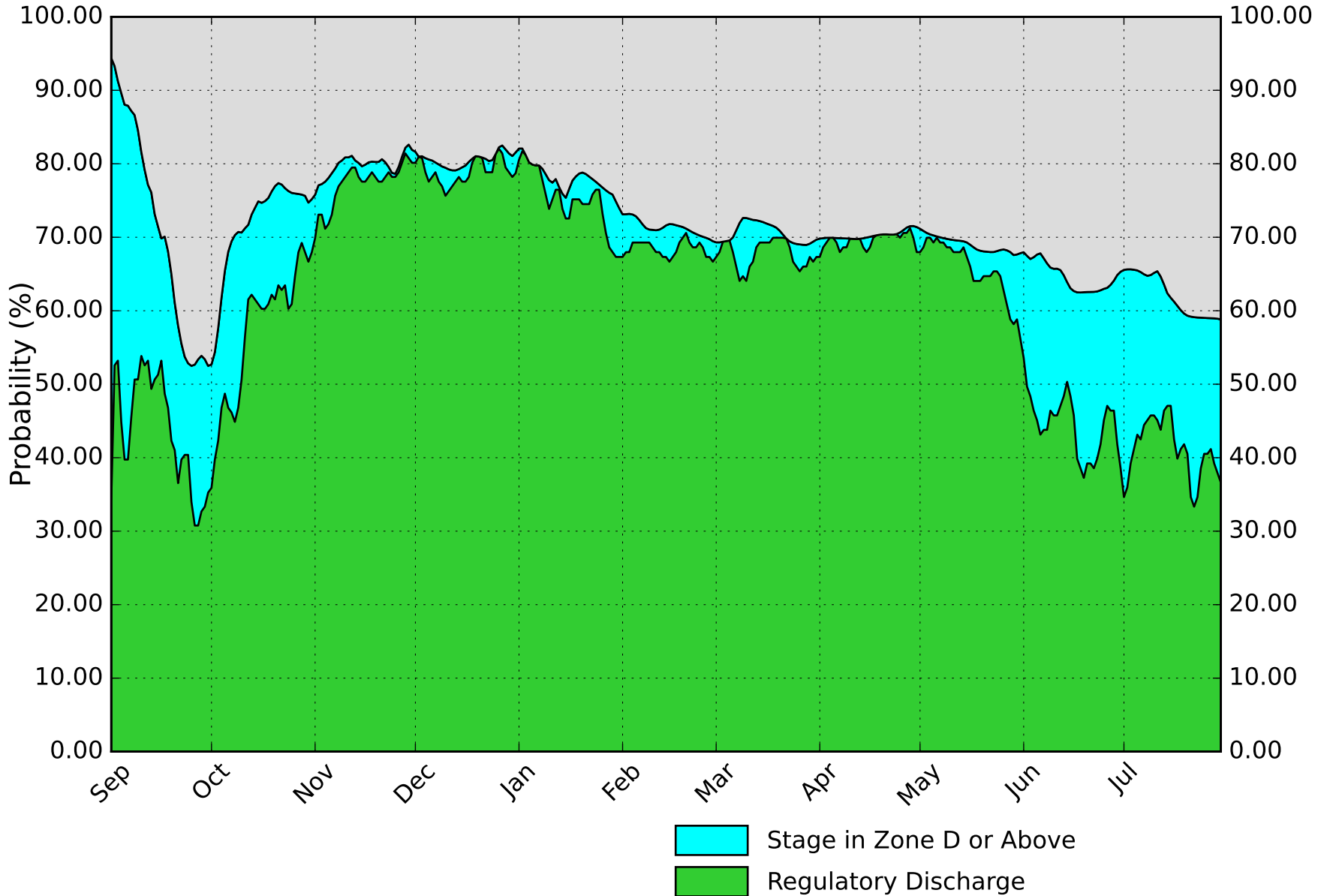
# Lake Okeechobee – LOSOM Releases to the Estuaries

(See Assumptions on the Operational Planning Website)



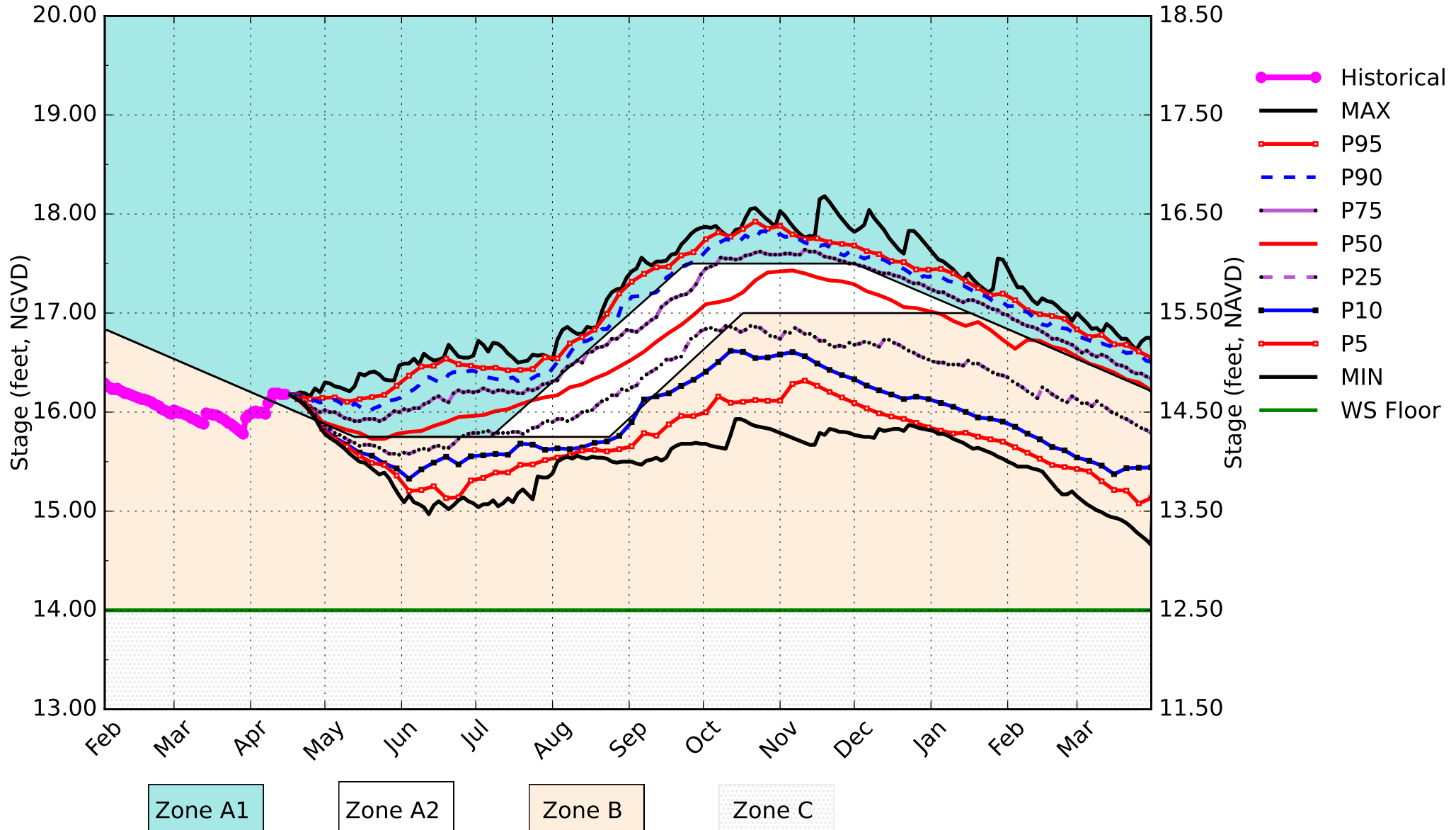
# Lake Okeechobee – LOSOM Releases to the WCAs

(See Assumptions on the Operational Planning Website)



# WCA1 SFWMM April 15 2026 Position Analysis

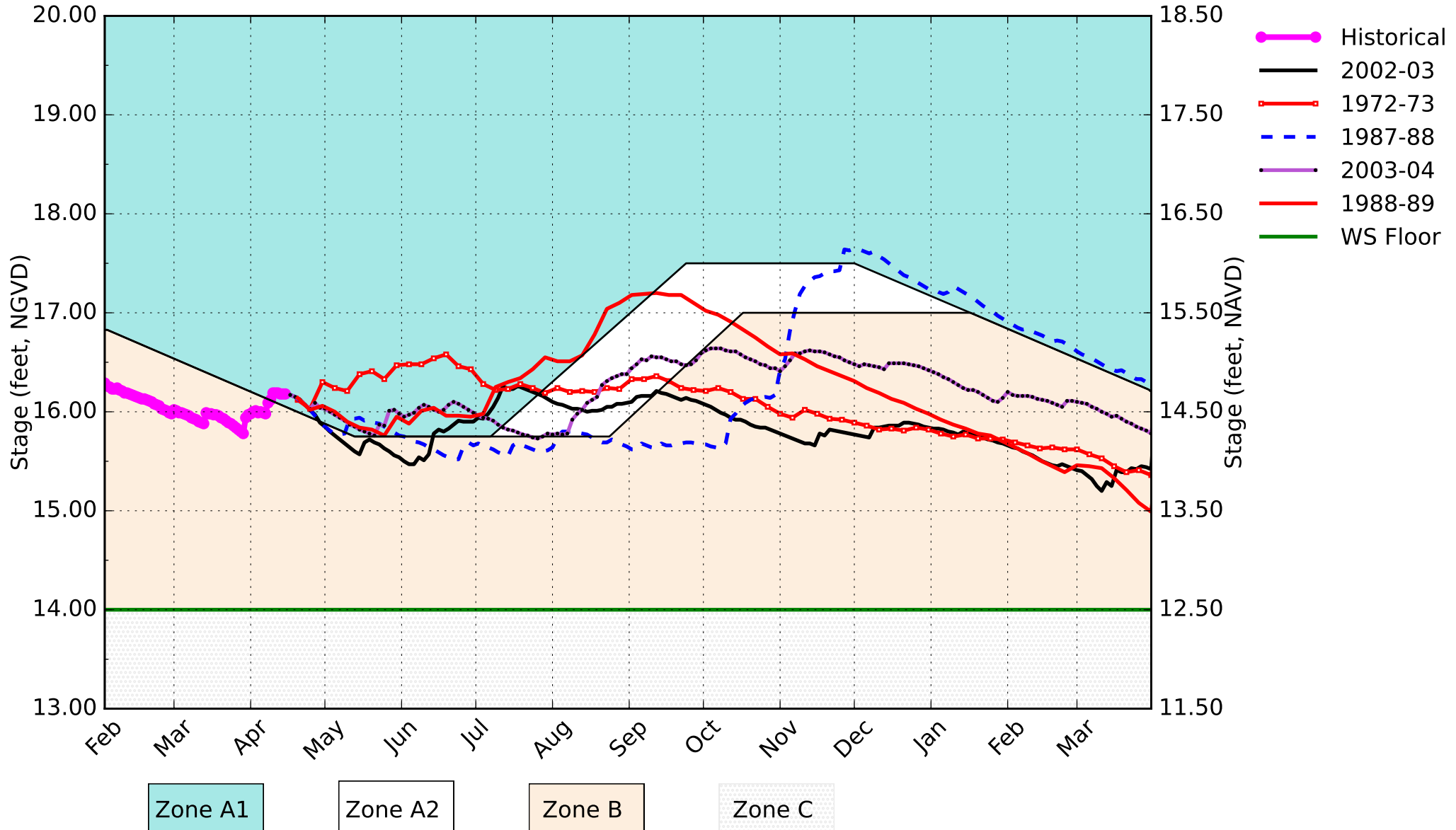
## Percentiles PA



(See Assumptions on the Operational Planning Website)

# WCA1 SFWMM April 15 2026 Position Analysis

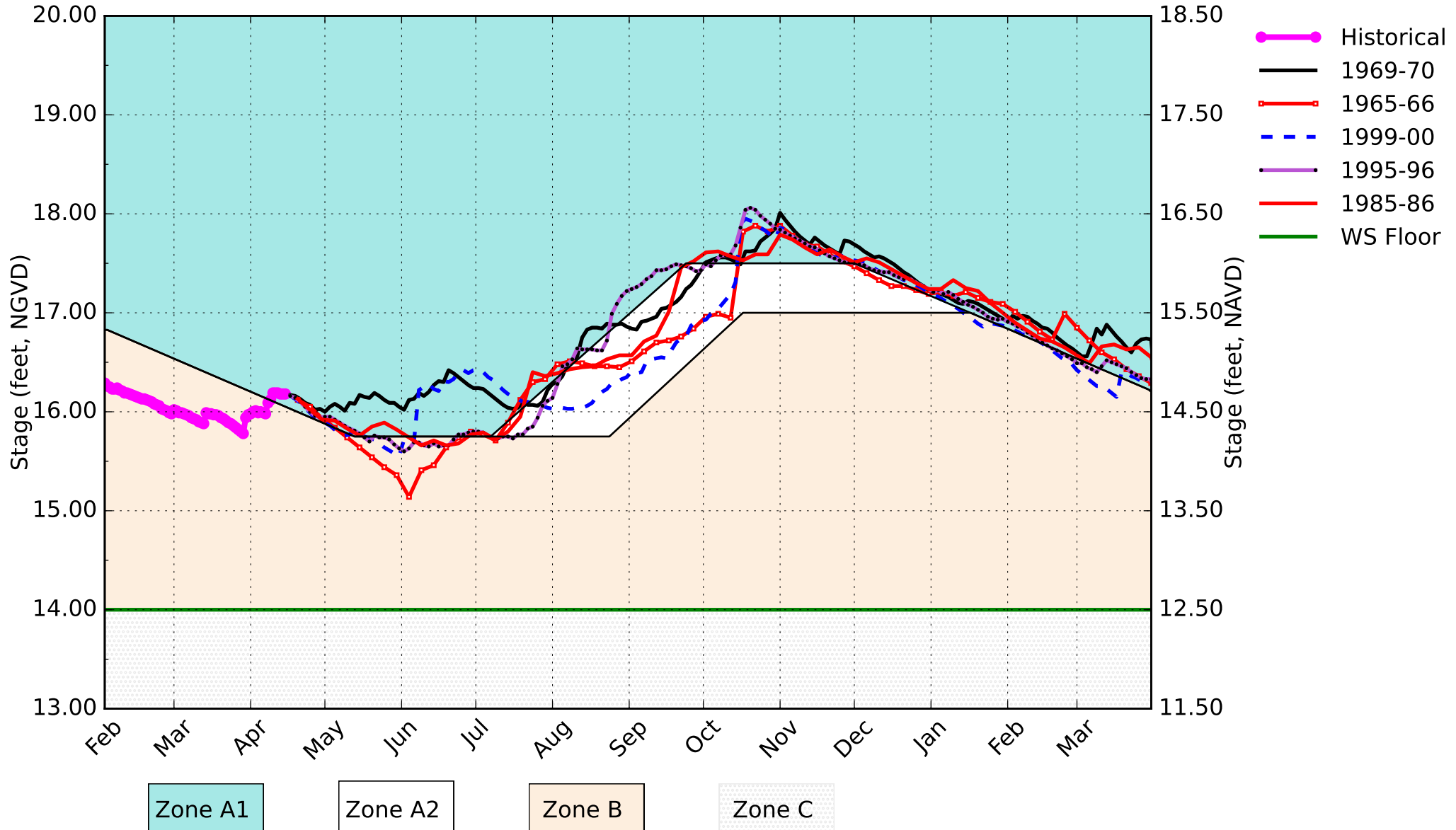
## Dry Years Plot PA



(See Assumptions on the Operational Planning Website)

# WCA1 SFWMM April 15 2026 Position Analysis

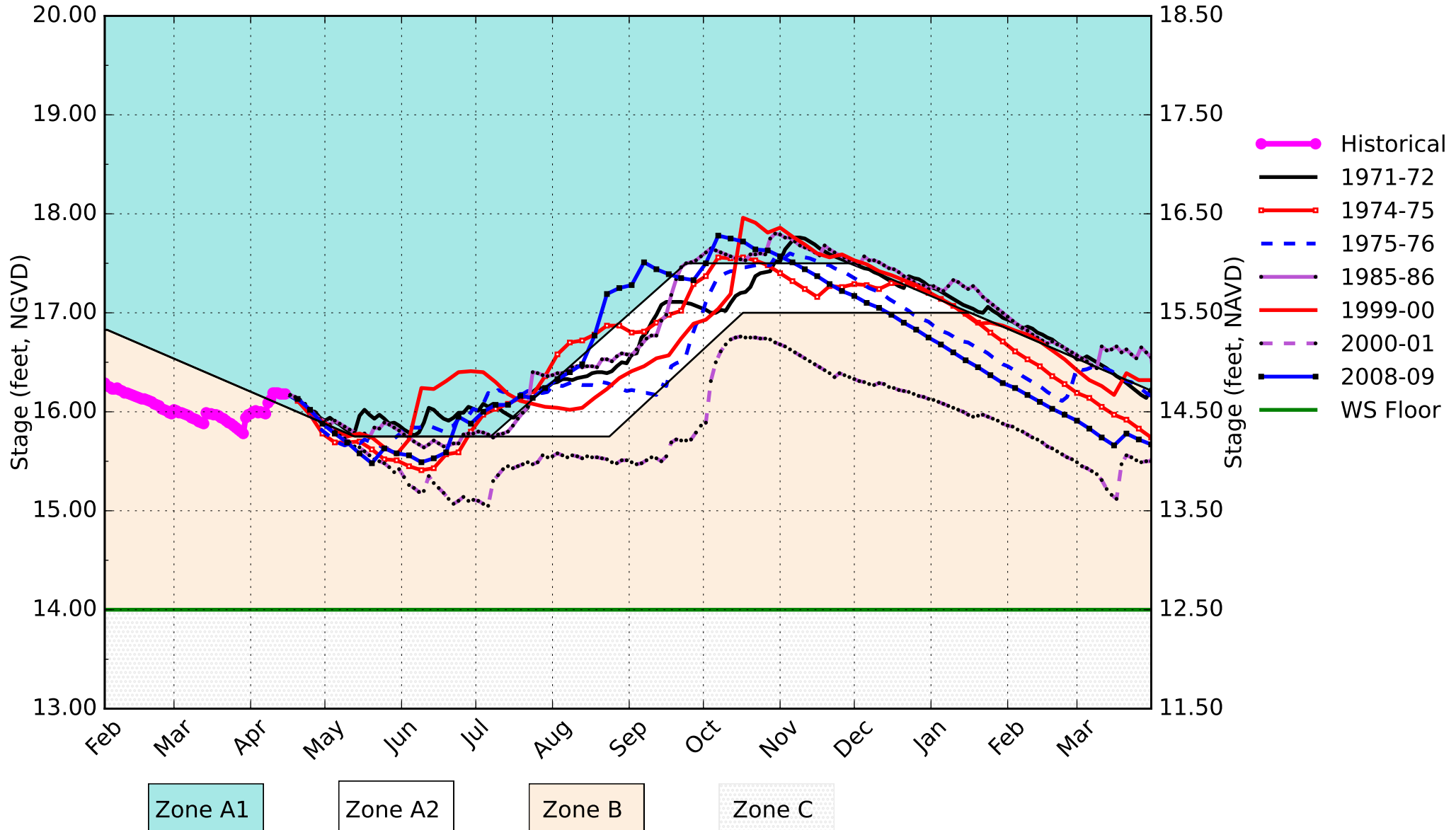
## Wet Years Plot PA



(See Assumptions on the Operational Planning Website)

# WCA1 SFWMM April 15 2026 Position Analysis

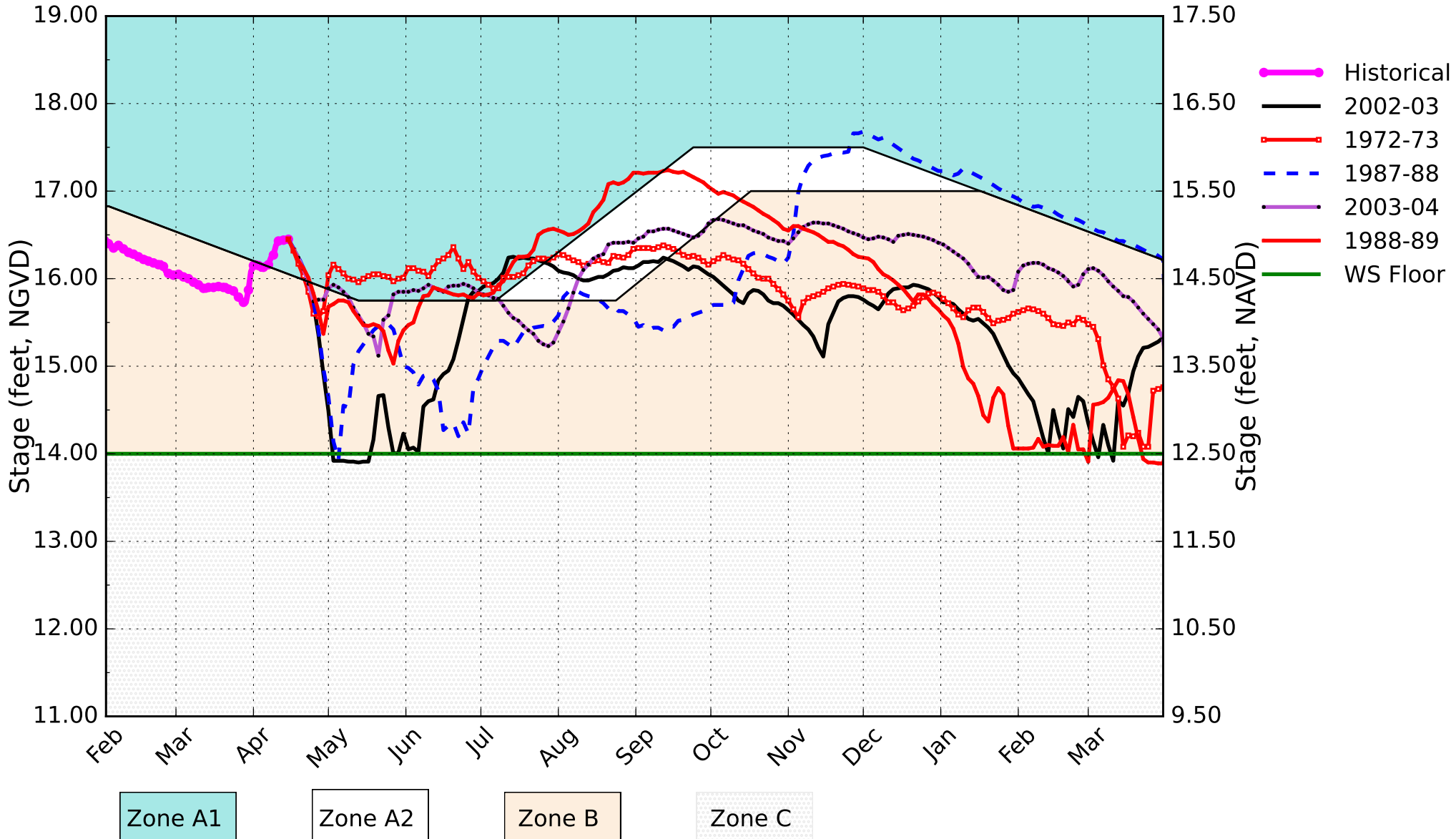
All La Nina Years Plot PA



(See Assumptions on the Operational Planning Website)

# CA1 Canal SFWMM April 15 2026 Position Analysis

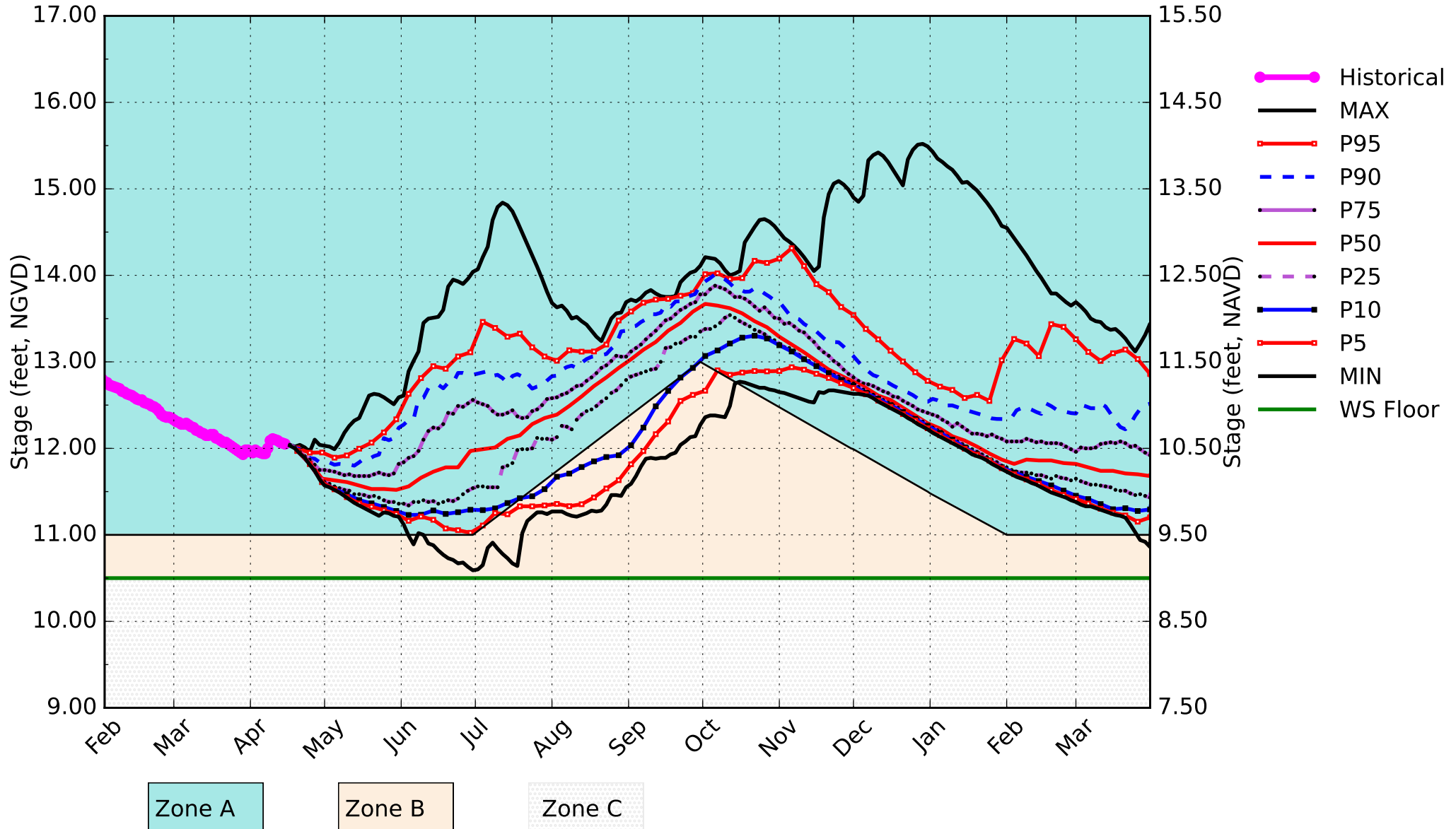
Percentiles PA Dry Years Plot



(See Assumptions on the Operational Planning Website)

# WCA2A SFWMM April 15 2026 Position Analysis

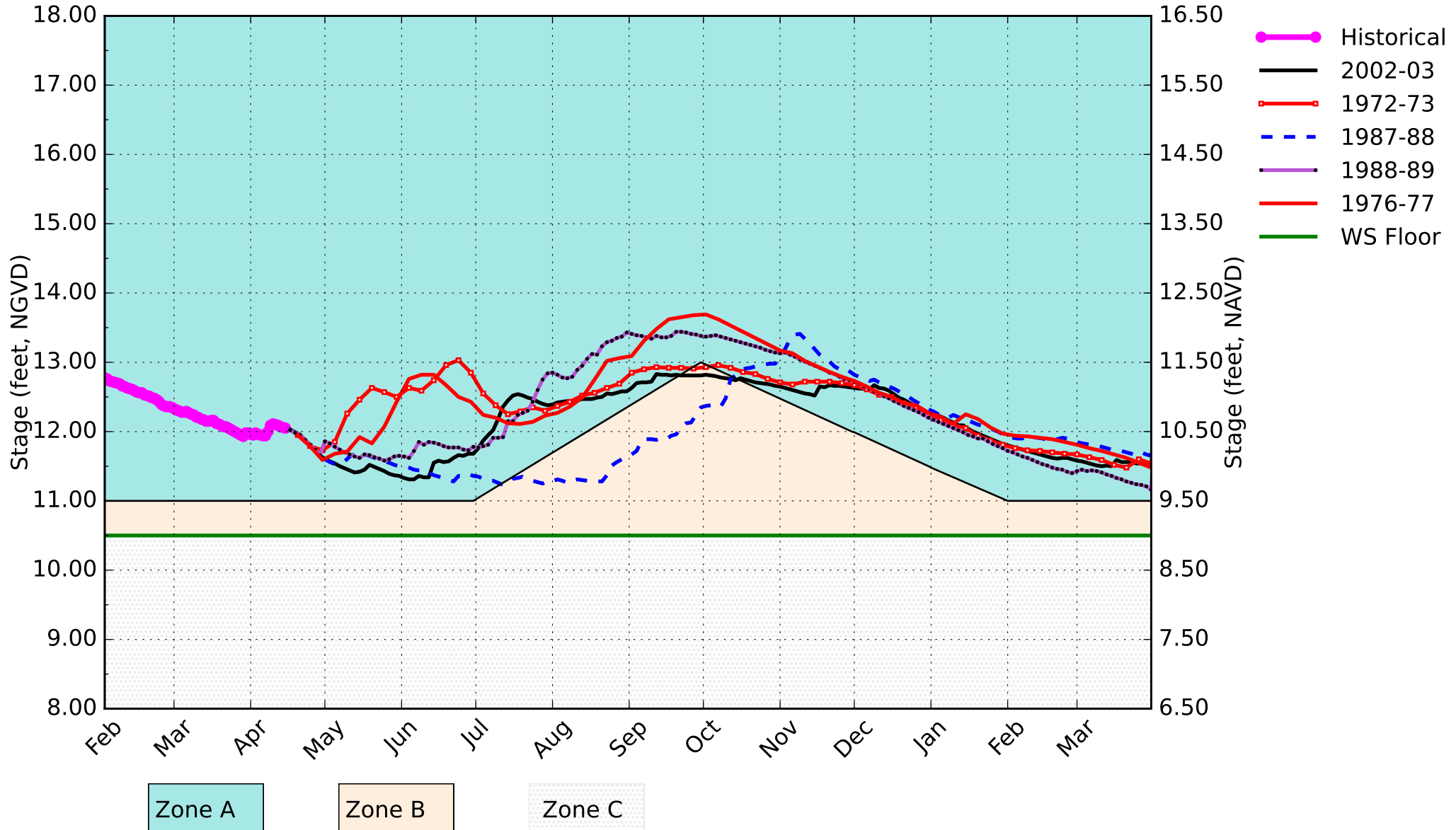
## Percentiles PA



(See Assumptions on the Operational Planning Website)

# WCA2A SFWMM April 15 2026 Position Analysis

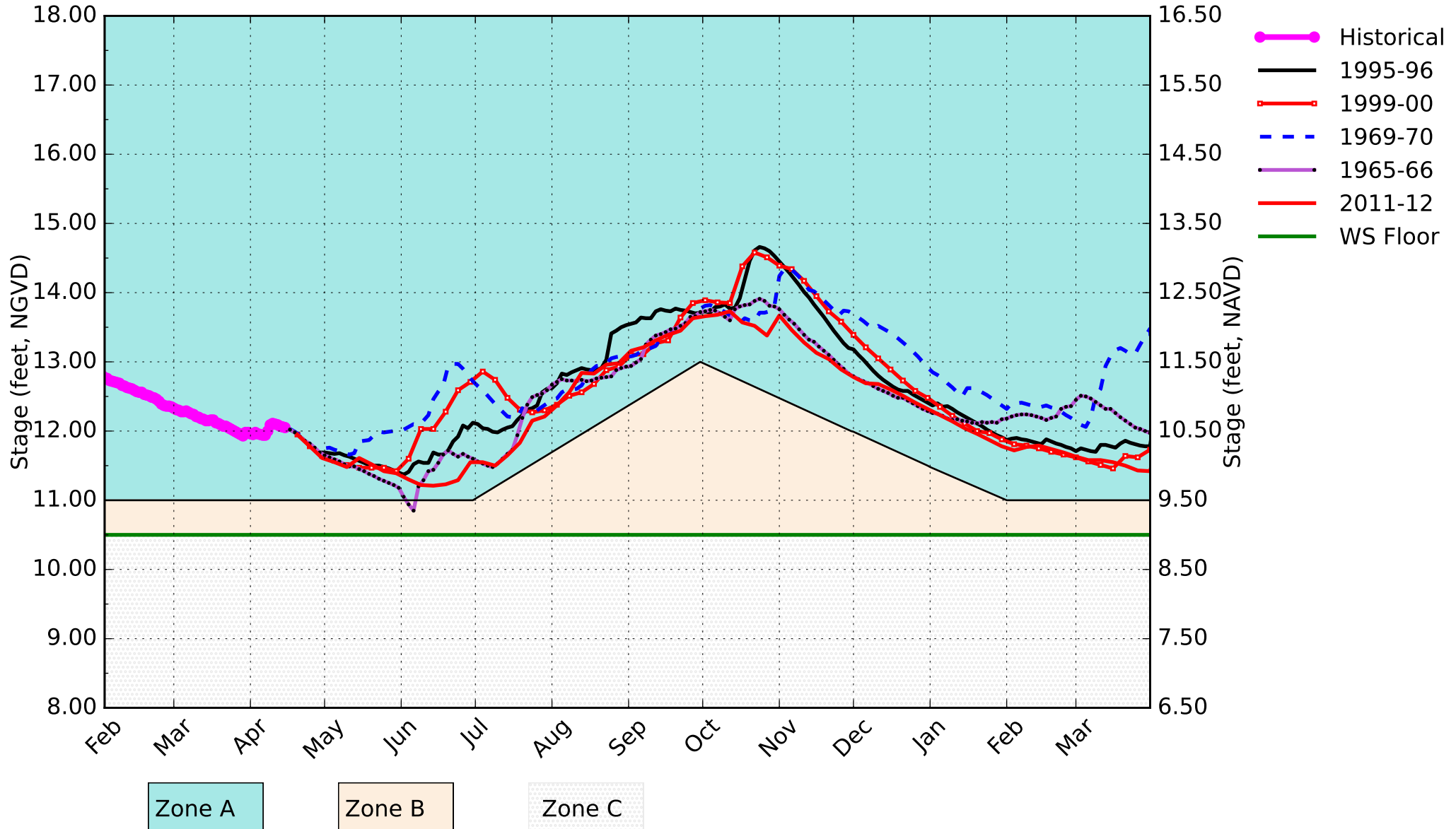
## Dry Years Plot PA



(See Assumptions on the Operational Planning Website)

# WCA2A SFWMM April 15 2026 Position Analysis

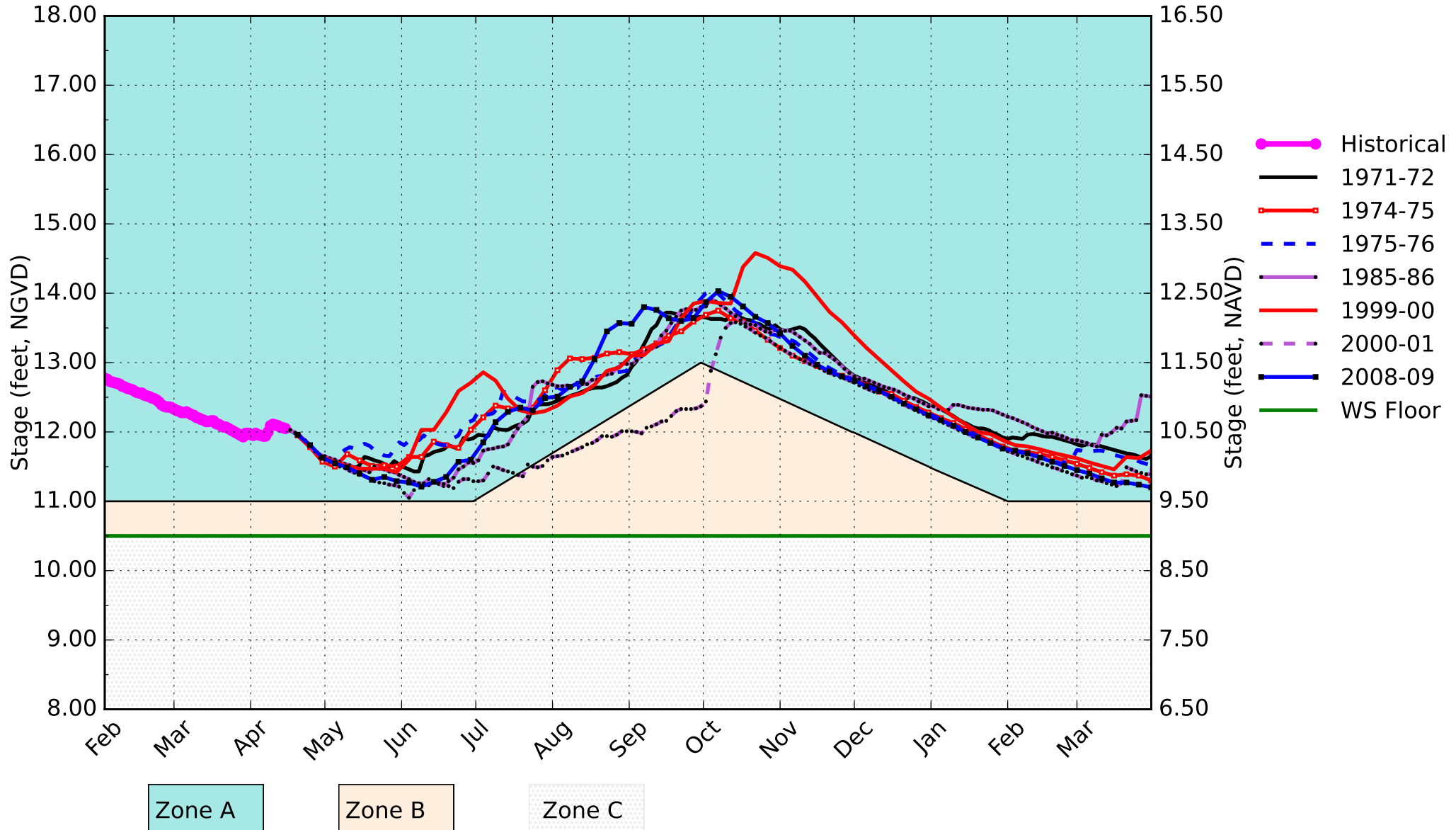
## Wet Years Plot PA



(See Assumptions on the Operational Planning Website)

# WCA2A SFWMM April 15 2026 Position Analysis

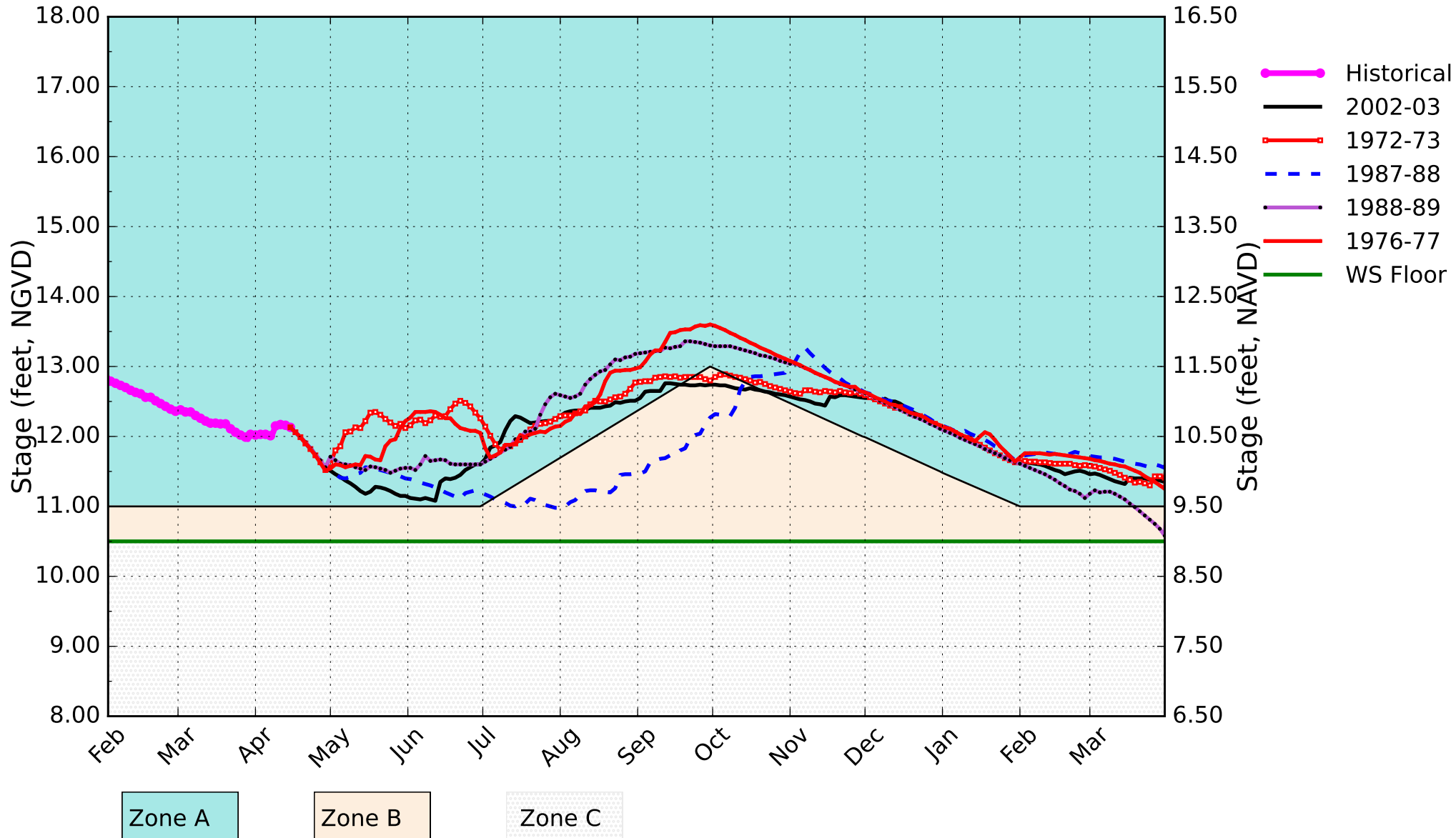
All La Nina Years Plot PA



(See Assumptions on the Operational Planning Website)

# L38 Canal SFWMM April 15 2026 Position Analysis

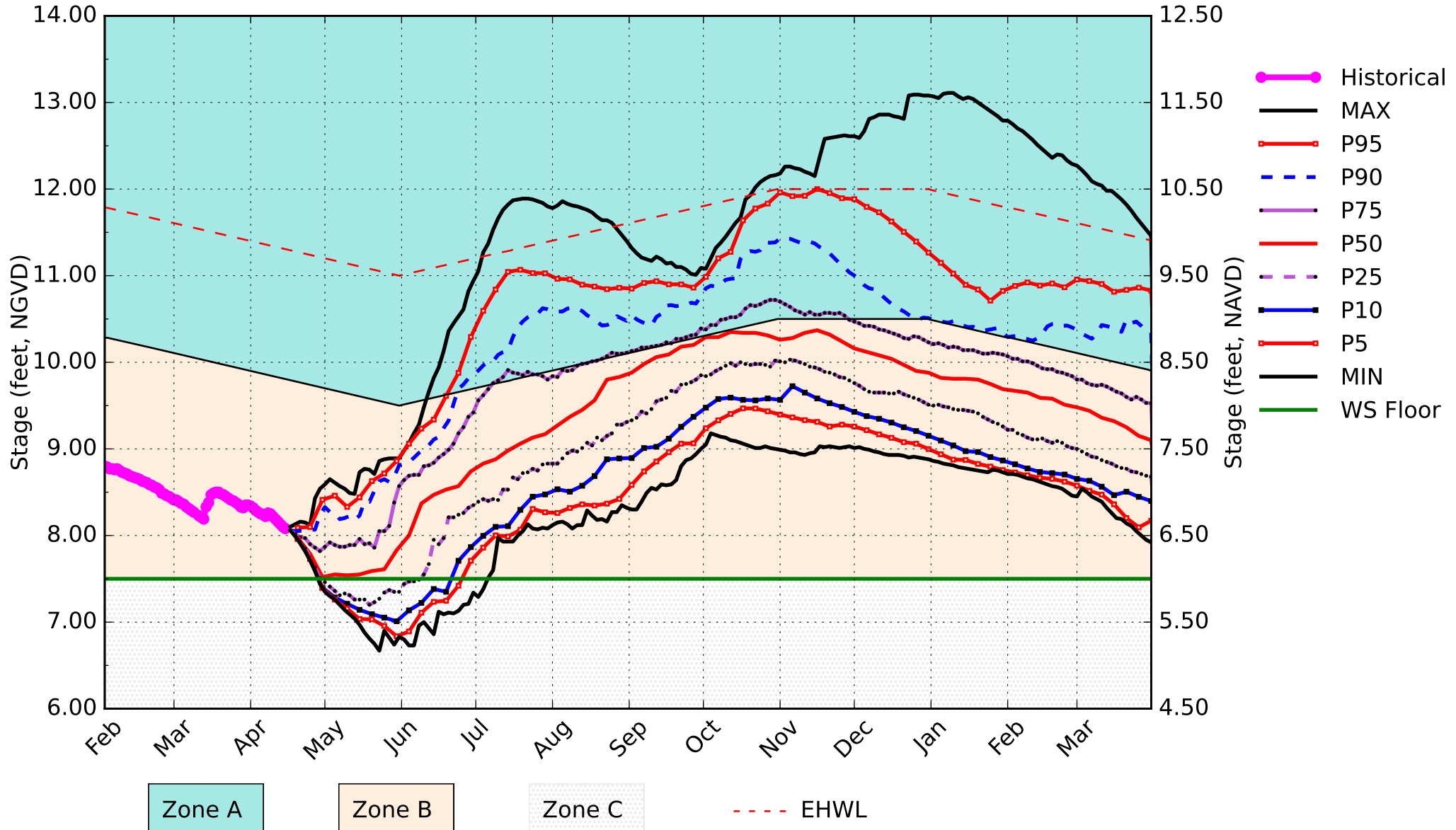
## Percentiles PA Dry Years Plot



(See Assumptions on the Operational Planning Website)

# WCA3A SFWMM April 15 2026 Position Analysis

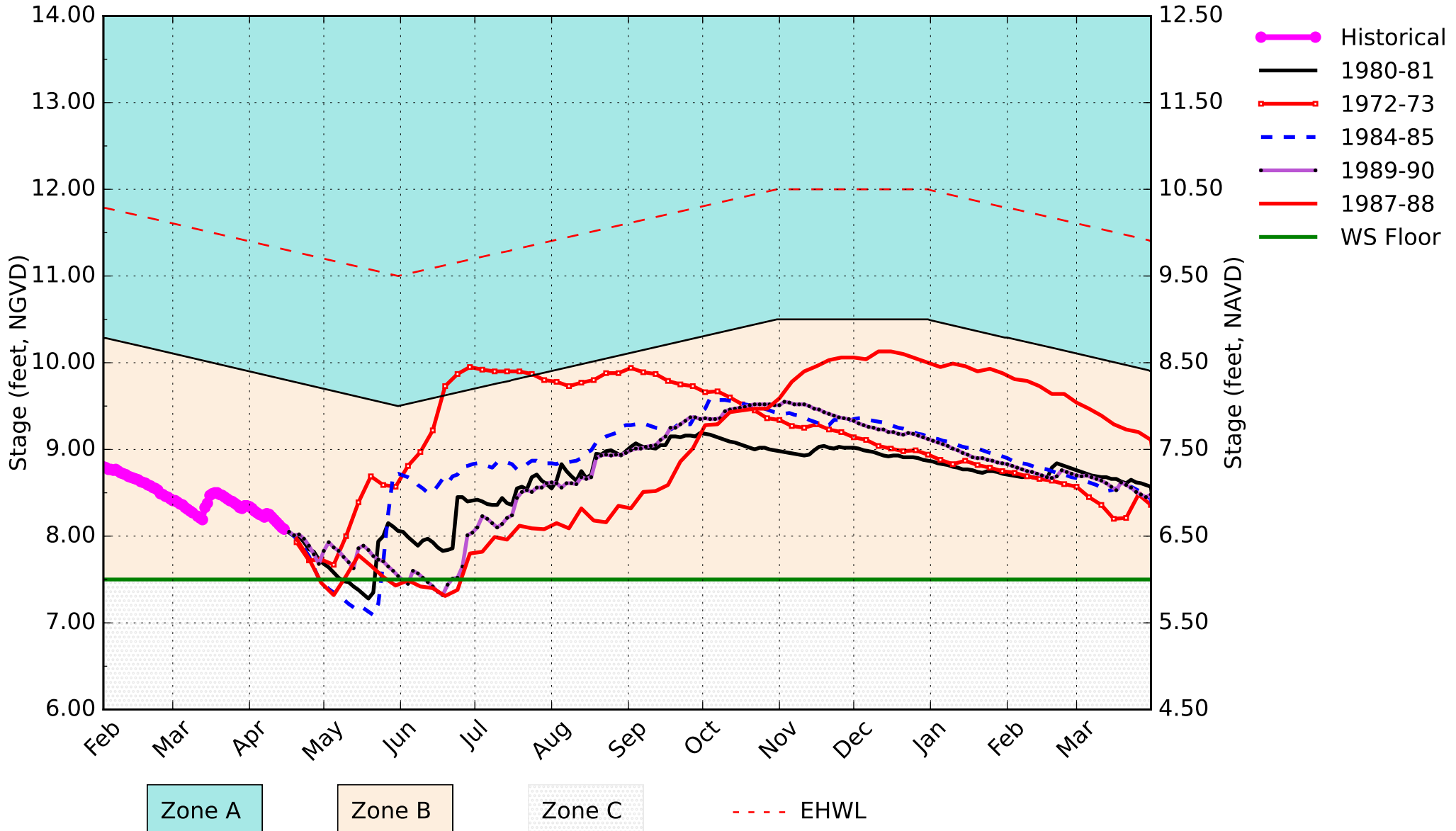
Percentiles PA



(See Assumptions on the Operational Planning Website)

# WCA3A SFWMM April 15 2026 Position Analysis

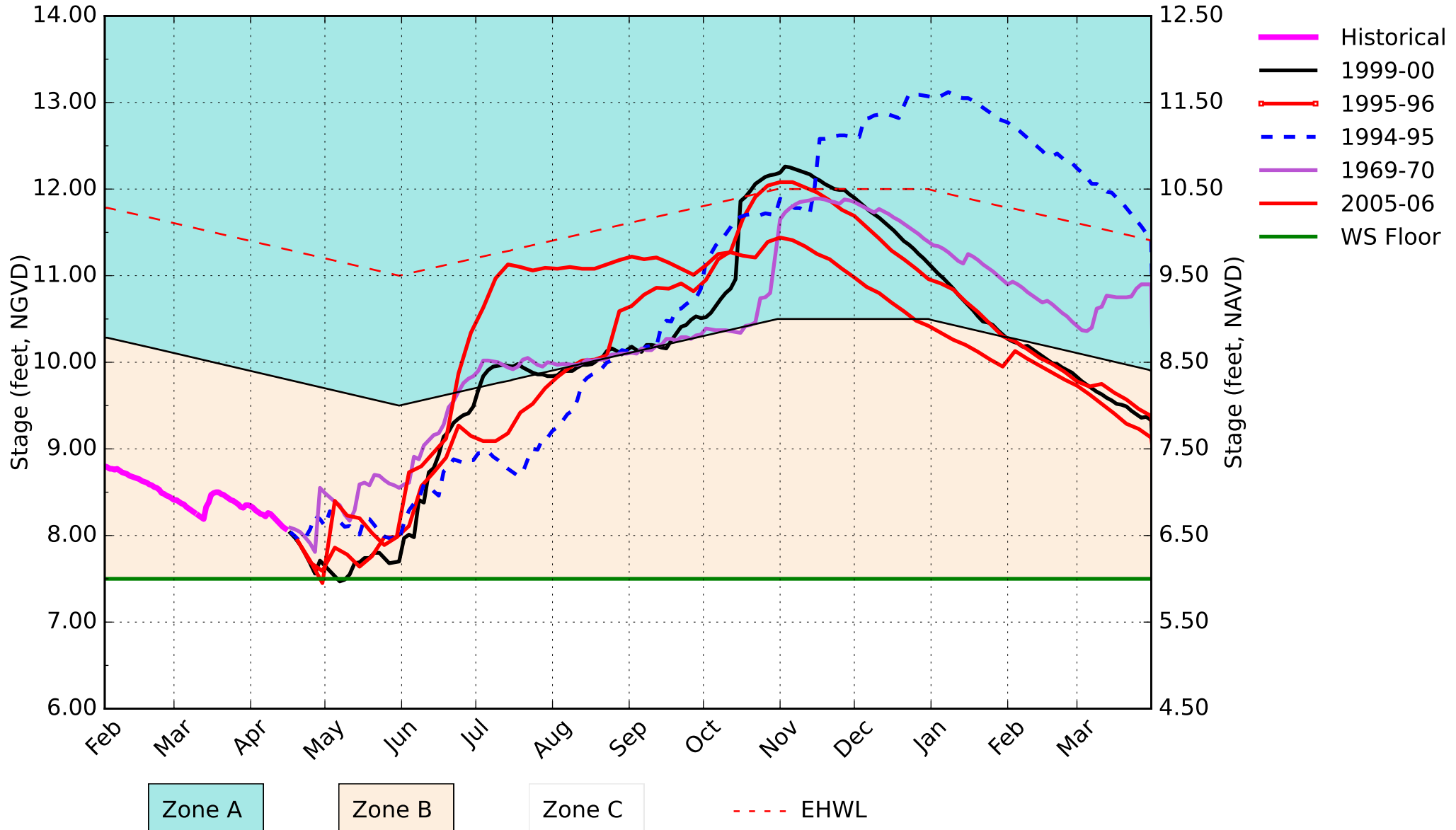
## Dry Years Plot PA



(See Assumptions on the Operational Planning Website)

# WCA3A SFWMM April 15 2026 Position Analysis

## Wet Years Plot PA



(See Assumptions on the Operational Planning Website)





















































