

Dynamic Position Analysis for December 1, 2023

SFWMM Model Simulation of 41 years (1965-2005)

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December 1, 2023 Modeling Dynamic Position Analysis Modeling Assumptions

- December 1, 2023 DPA is based on regular Position Analysis applying V6.7.4 (Tamiami Trail) 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 1965-2005
- The model is reinitialized December 1st of each year
- The Lake Okeechobee operations follow the Lake Okeechobee Regulation Schedule (LORS2008). Modeling assumptions consistent with modeling performed for LORS-2008 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

- El Niño is anticipated to continue through the Northern Hemisphere spring (with a 62% chance during April-June 2024).
- 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

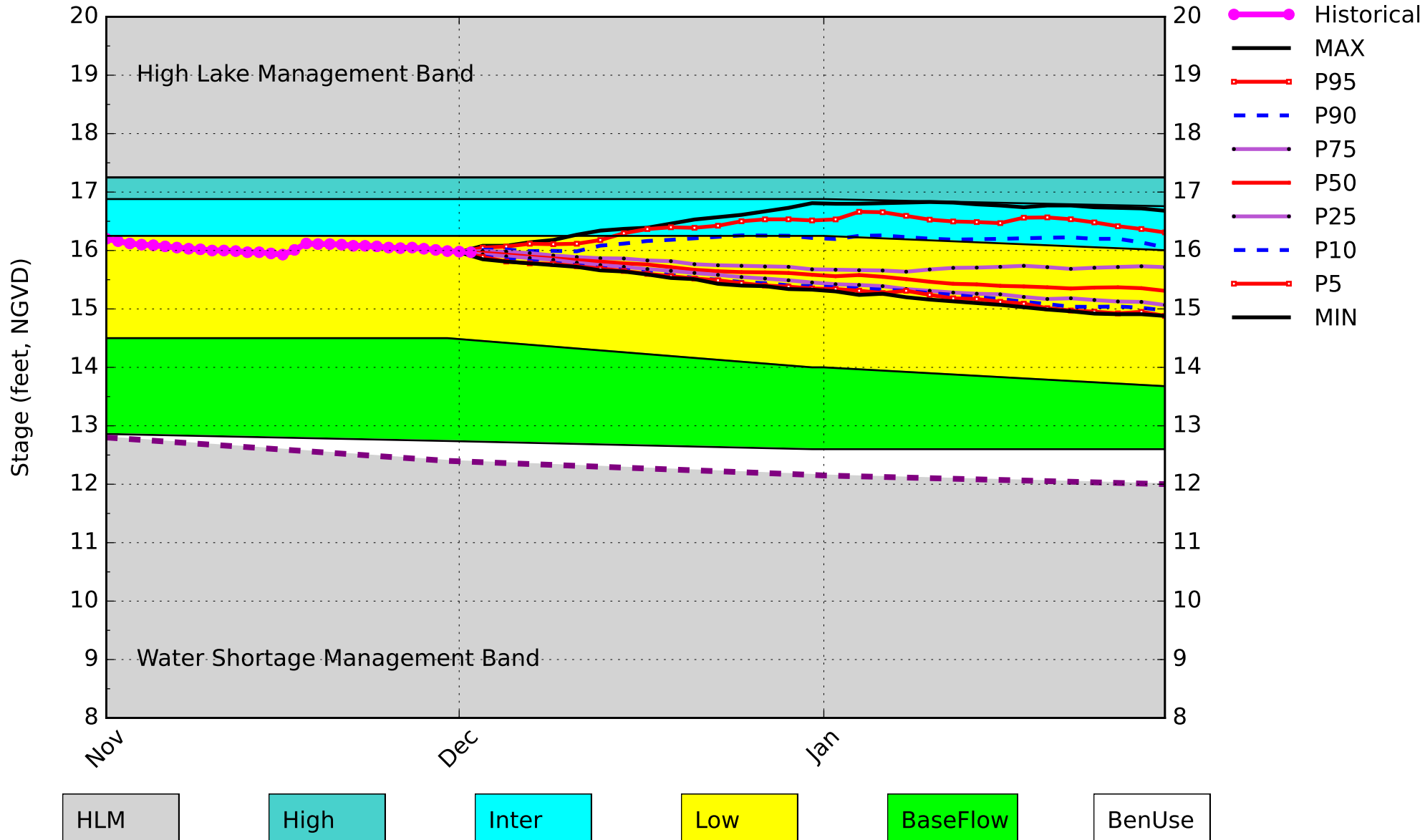
If the current month is within an official ENSO event (5 consecutive 3-month periods) then that year is considered an ENSO year for that month, these years are compiled ahead of the model simulations for all ENSO events within the period of record of the model simulation. Each month will have a different 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.

- 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
- To better approximate recent operational practices, flows south were increased within the “maximum practicable” discretion of LORS08 release guidance
- A temporary deviation from the 2020 Water Control Plan for the Water Conservation Areas (WCAs), Everglades National Park, and ENP-South Dade Conveyance System (SDCS) (2020 WCP) has been implemented to provide high water relief. (REFERENCES: USACE. (2023). DRAFT ENVIRONMENTAL ASSESSMENT AND PROPOSED FINDING OF NO SIGNIFICANT IMPACT 2023 to 2024 PLANNED TEMPORARY DEVIATION TO LOWER WATER LEVELS IN WATER CONSERVATION AREA 3A Broward and Miami-Dade Counties, Florida)
- Estuary releases retained LORS08 release rates
- Information for the initial conditions can be viewed [here](#). Initial stages for specified canals are shown [here](#) and gages are shown [here](#)

[Back to Operational Planning Main Page](#)

Lake Okeechobee SFWMM December 2023 Position Analysis

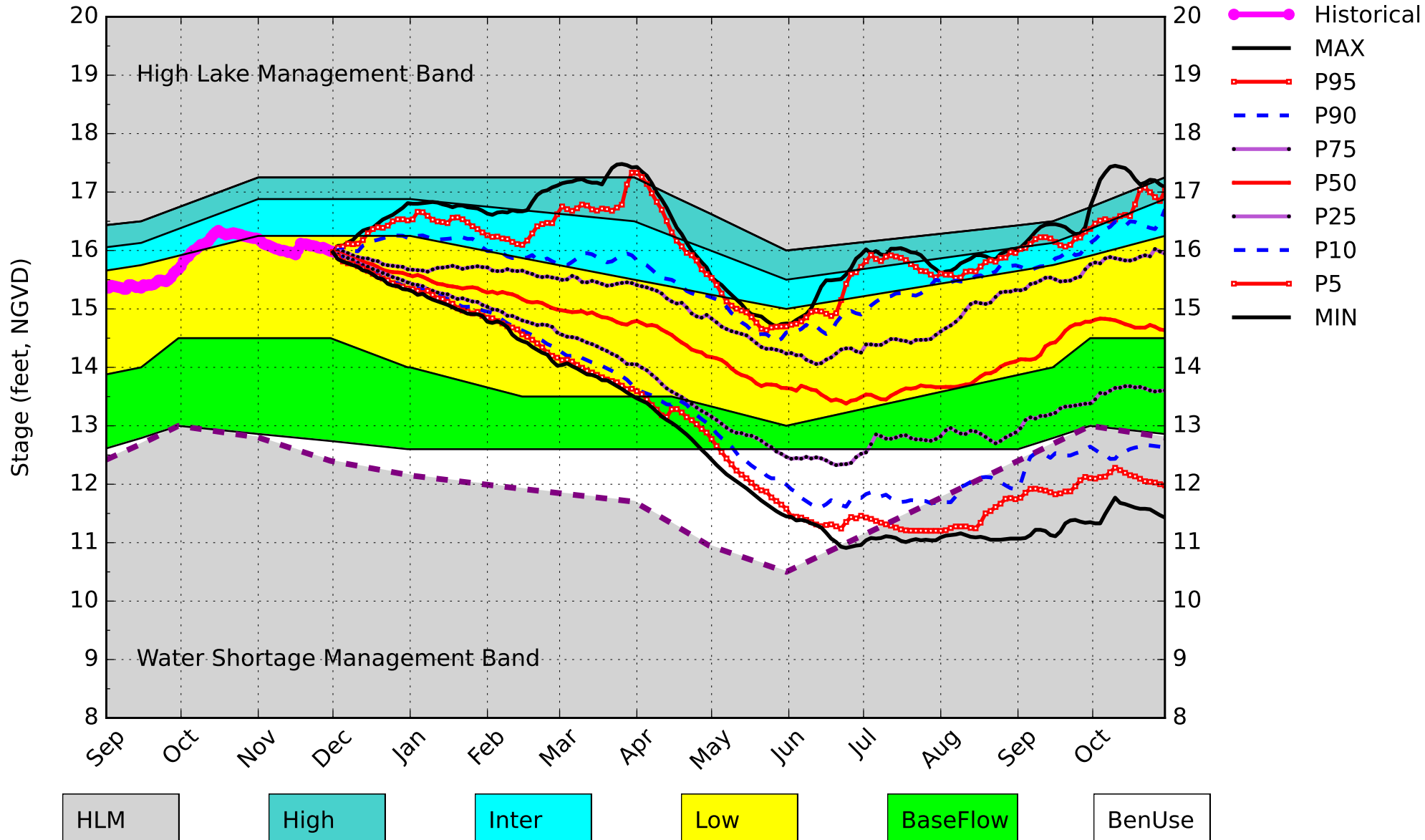
Percentiles PA



(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM December 2023 Position Analysis

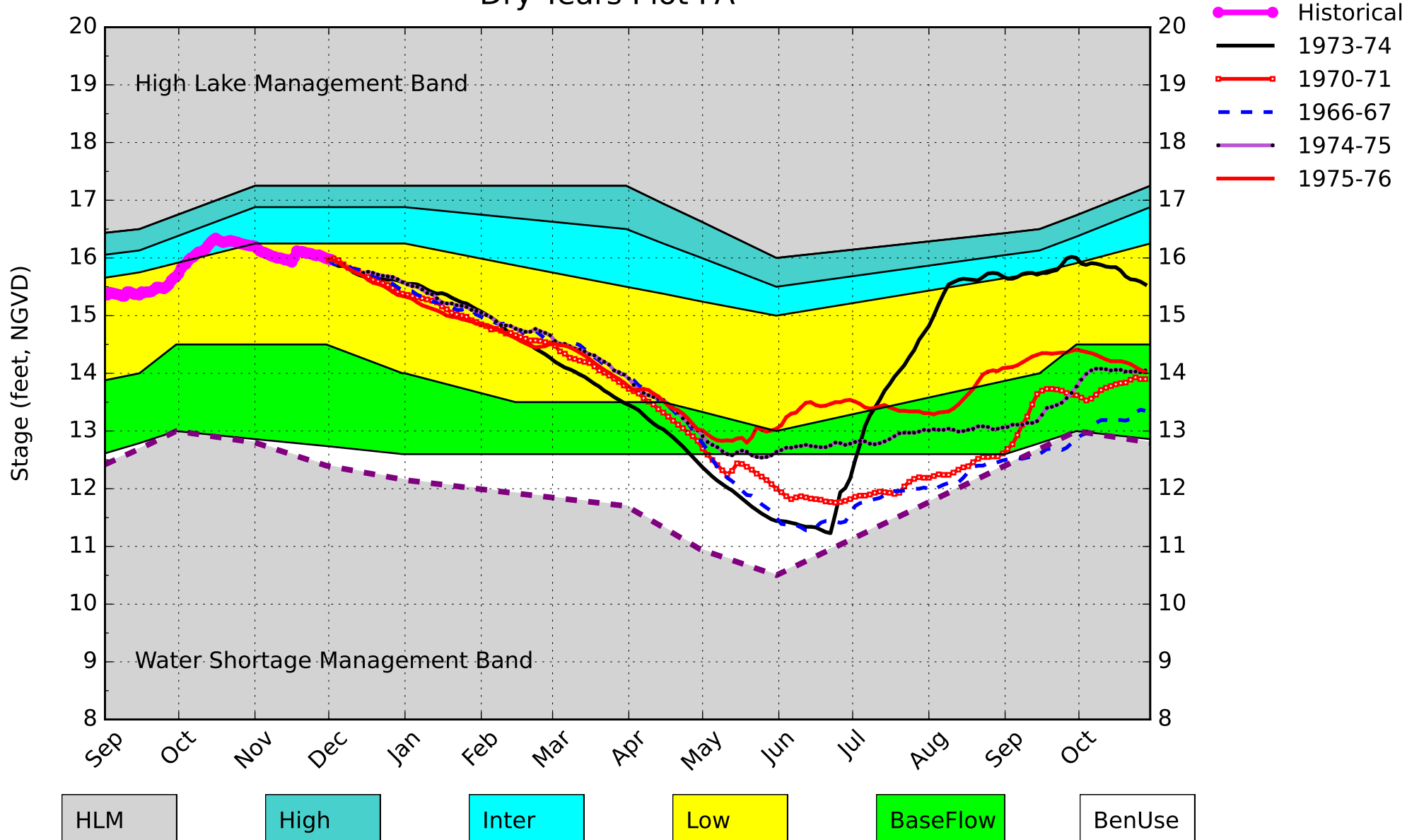
Percentiles PA



(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM December 2023 Position Analysis

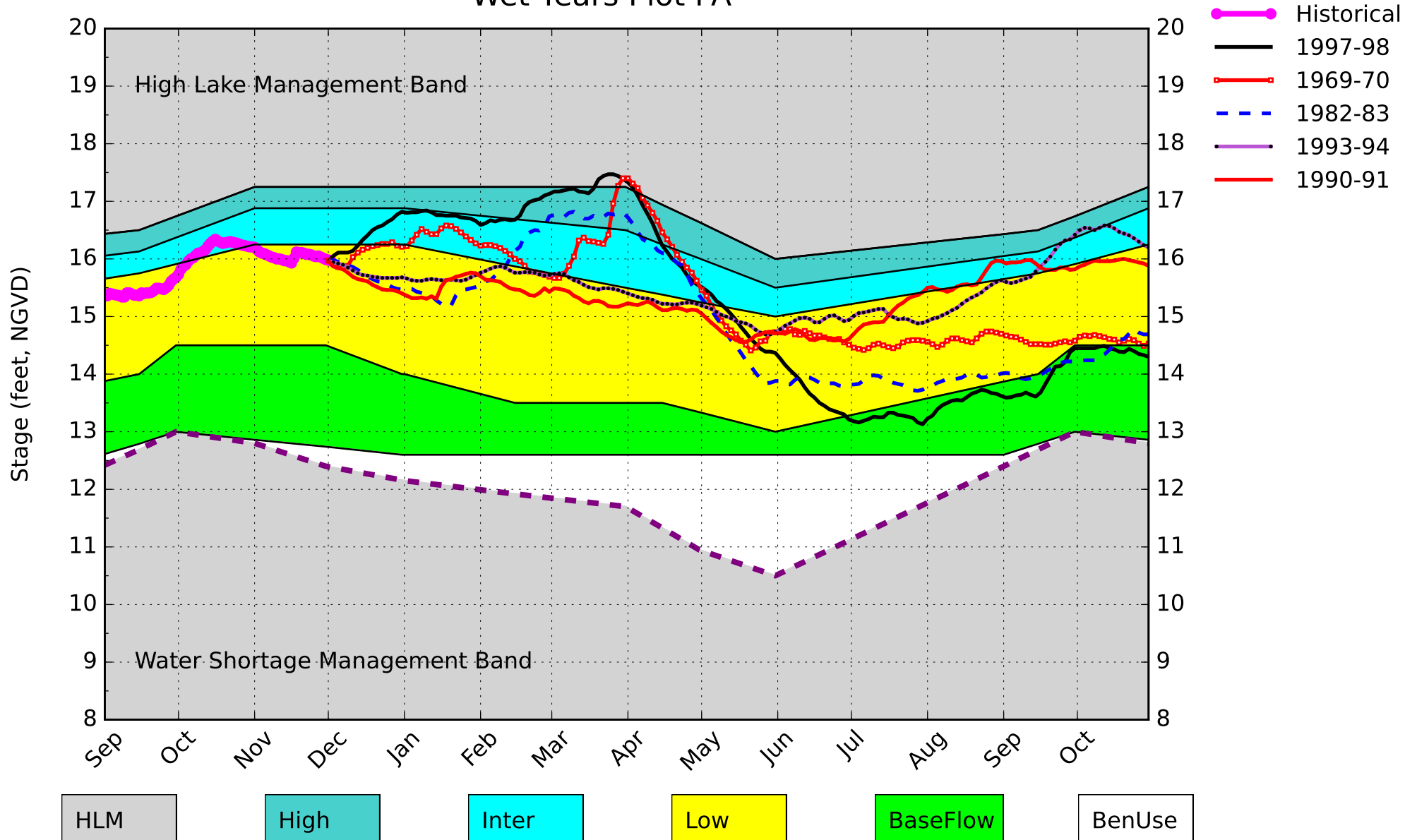
Dry Years Plot PA



(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM December 2023 Position Analysis

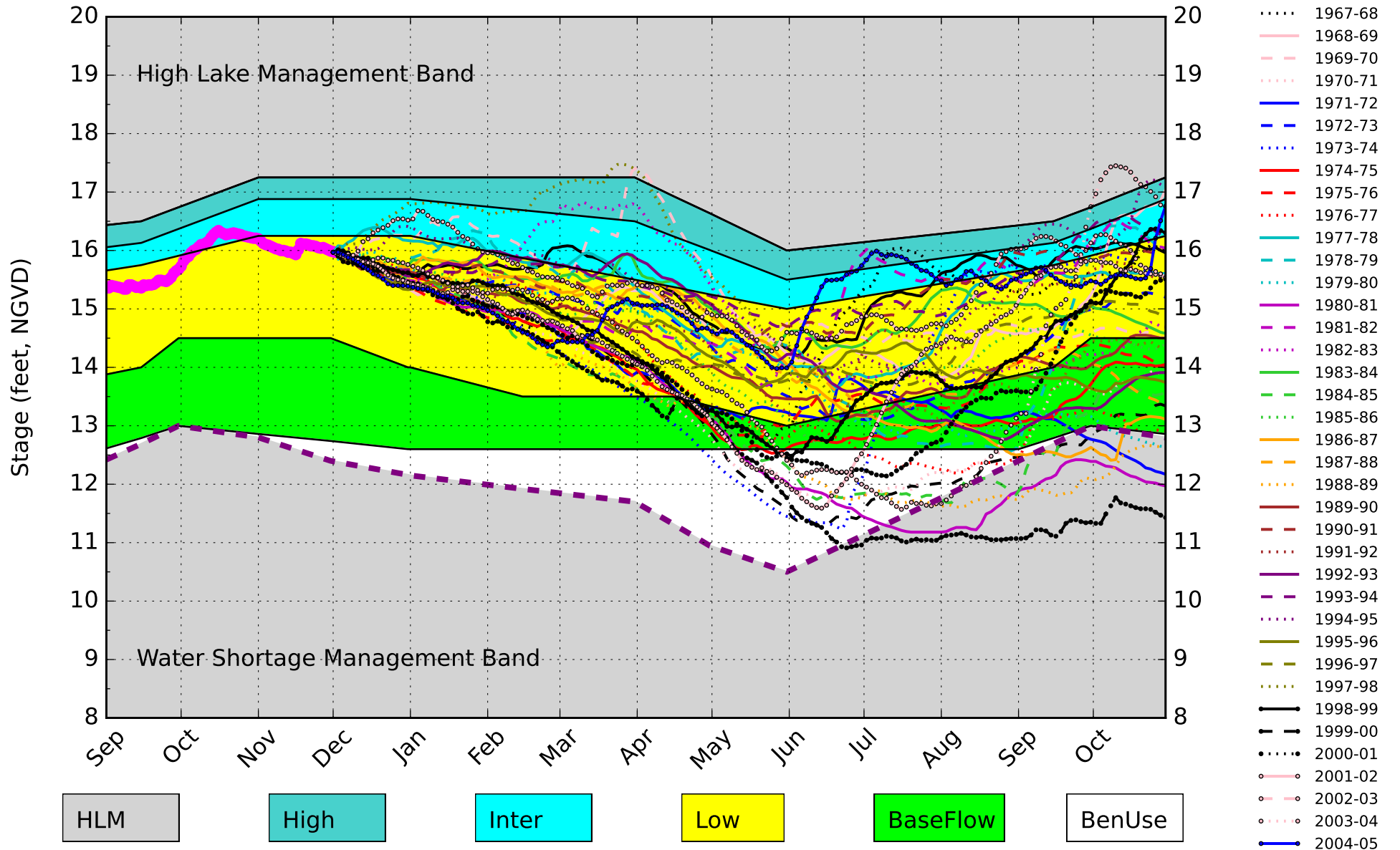
Wet Years Plot PA



(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM December 2023 Position Analysis

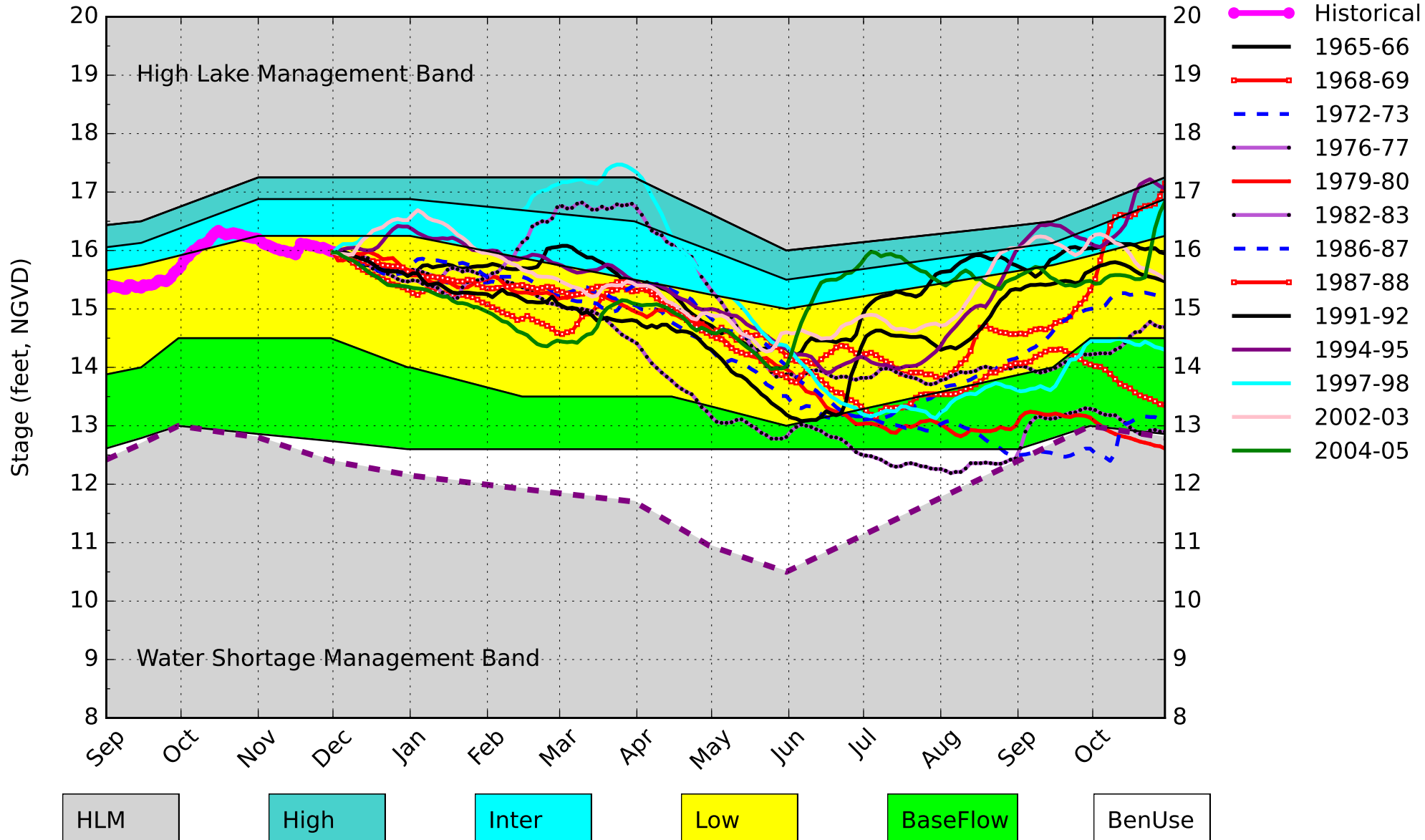
All Simulated Years Plot PA



(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM December 2023 Position Analysis

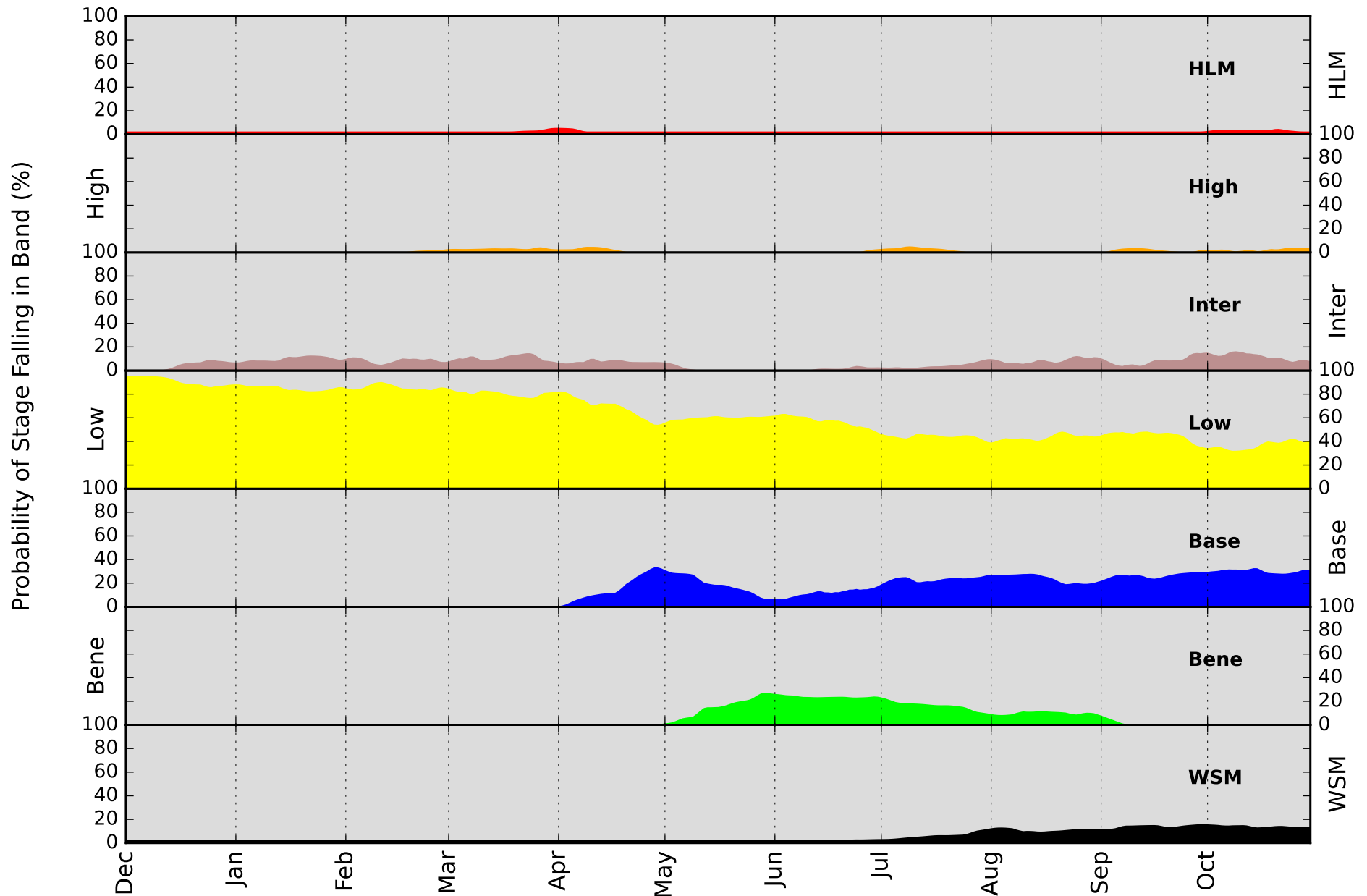
All El Nino Years Plot PA



(See assumptions on the Position Analysis Results website)

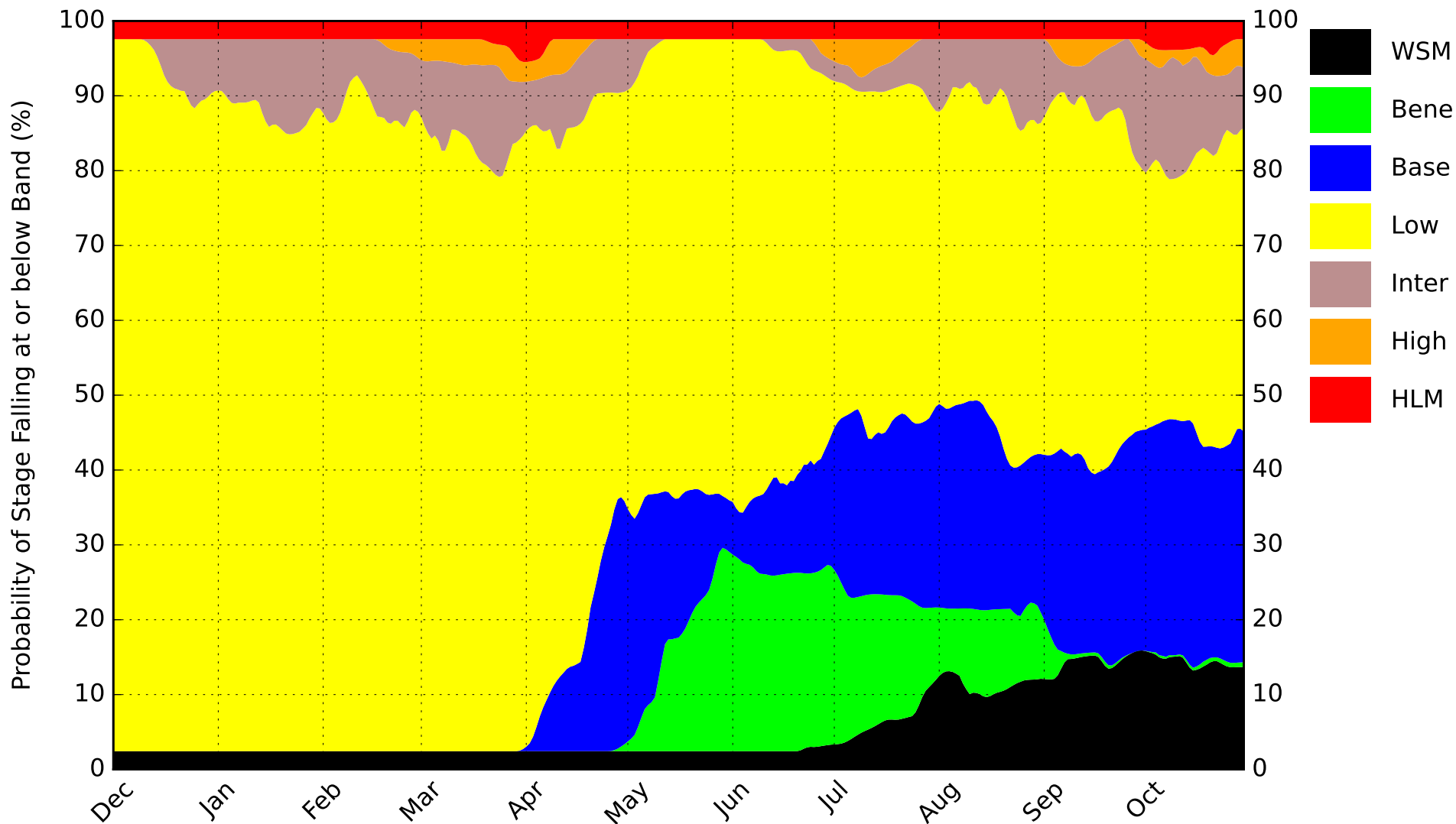
Lake Okeechobee – Band Probabilities

(See assumptions on the Position Analysis Results website)



Lake Okeechobee – Probabilities for Operational Bands

(See assumptions on the Position Analysis Results 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 Begining of Each Month

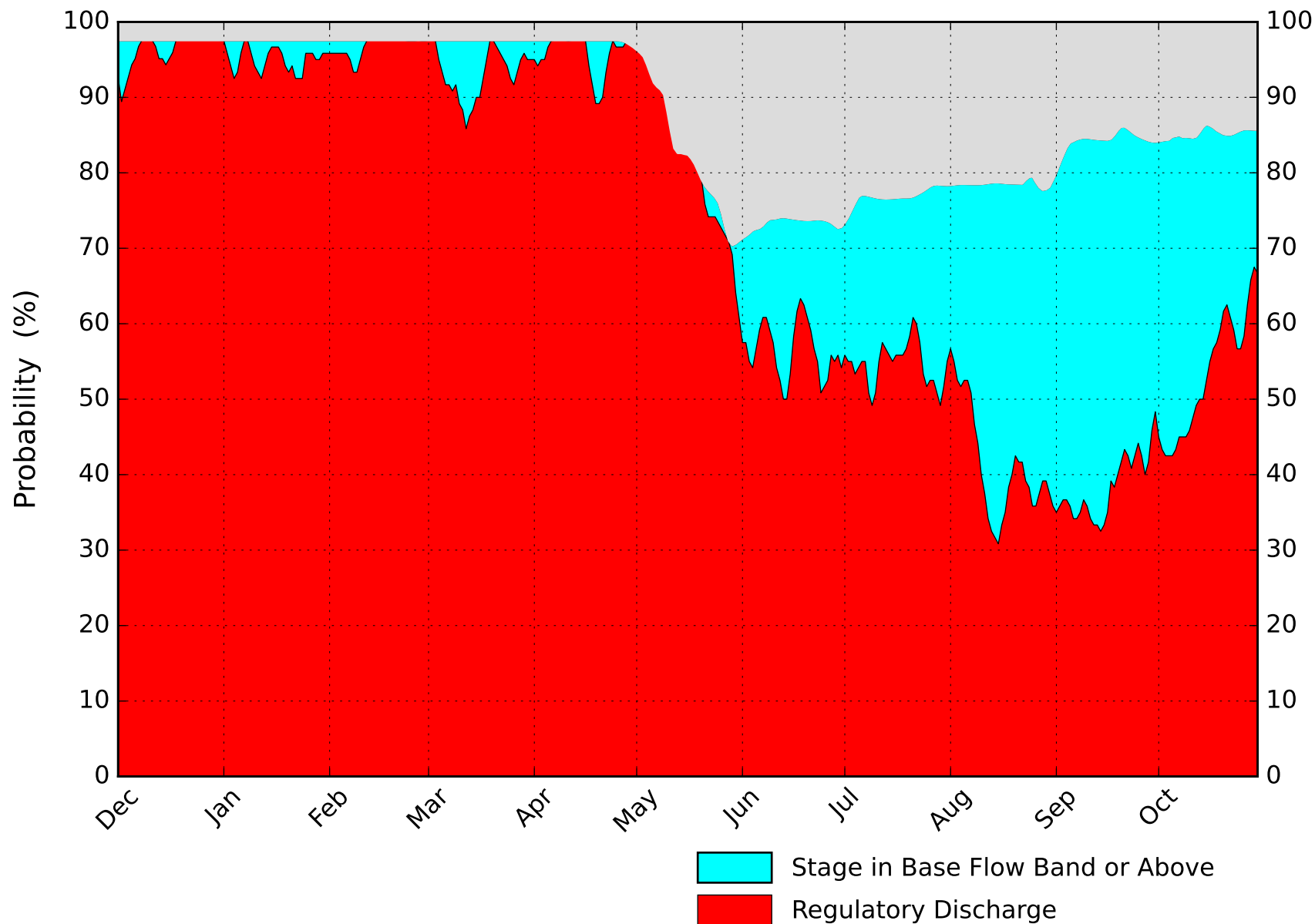
(See assumptions on the Position Analysis Results website)

Initial Stage 16.21 ft. for 01/ 11/ 2023

Date(d/m/y\ HLM	High	Inter	Low	Base	Bene	WSM	
1/11/2023	2.44	0	0	95.12	0	0	2.44
1/12/2023	2.44	0	0	95.12	0	0	2.44
1/1/2024	2.44	0	6.85	88.28	0	0	2.44
1/2/2024	2.44	0	9.89	85.23	0	0	2.44
1/3/2024	2.44	2.8	7.63	84.69	0	0	2.44
1/4/2024	5.49	2.63	6.55	82.28	0.61	0	2.44
1/5/2024	2.44	0	6.79	55.96	31.08	1.29	2.44
1/6/2024	2.44	0	0	61.82	7.06	26.25	2.44
1/7/2024	2.44	2.98	2.62	46.29	19.02	23.31	3.34
1/8/2024	2.44	0	9.68	39.04	27.21	9.12	12.5
1/9/2024	2.44	0	10.35	45.16	22.04	7.93	12.08
1/10/2024	2.88	2.24	15.15	34.33	29.56	0.03	15.81

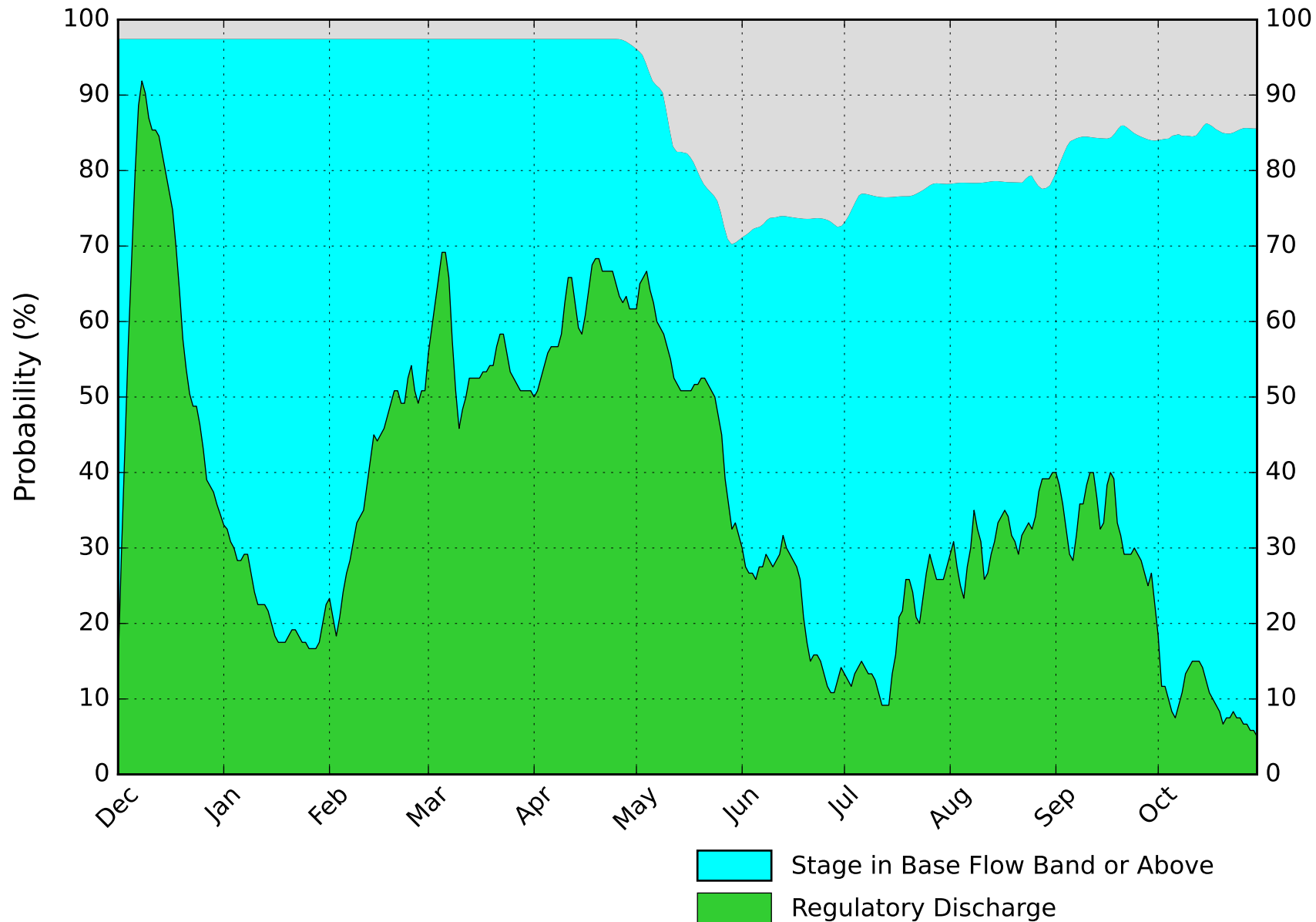
Lake Okeechobee – LORS2008 Releases to the Estuaries

Unconditional PA Operations (See assumptions on the Position Analysis Results website)



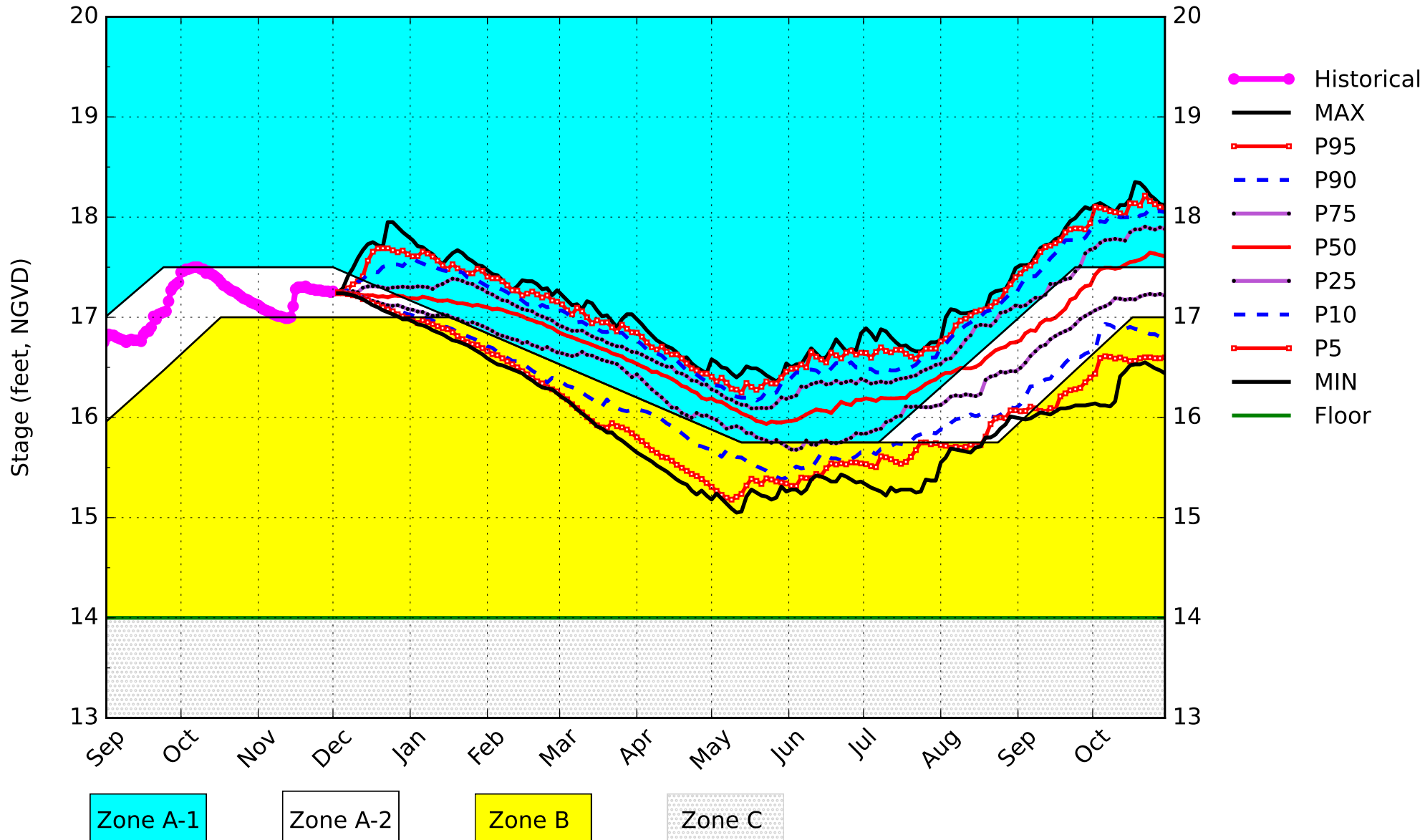
Lake Okeechobee – LORS2008 Releases to the WCA's

Unconditional PA Operations(See assumptions on the Position Analysis Results website)



WCA1 SFWMM December 2023 Position Analysis

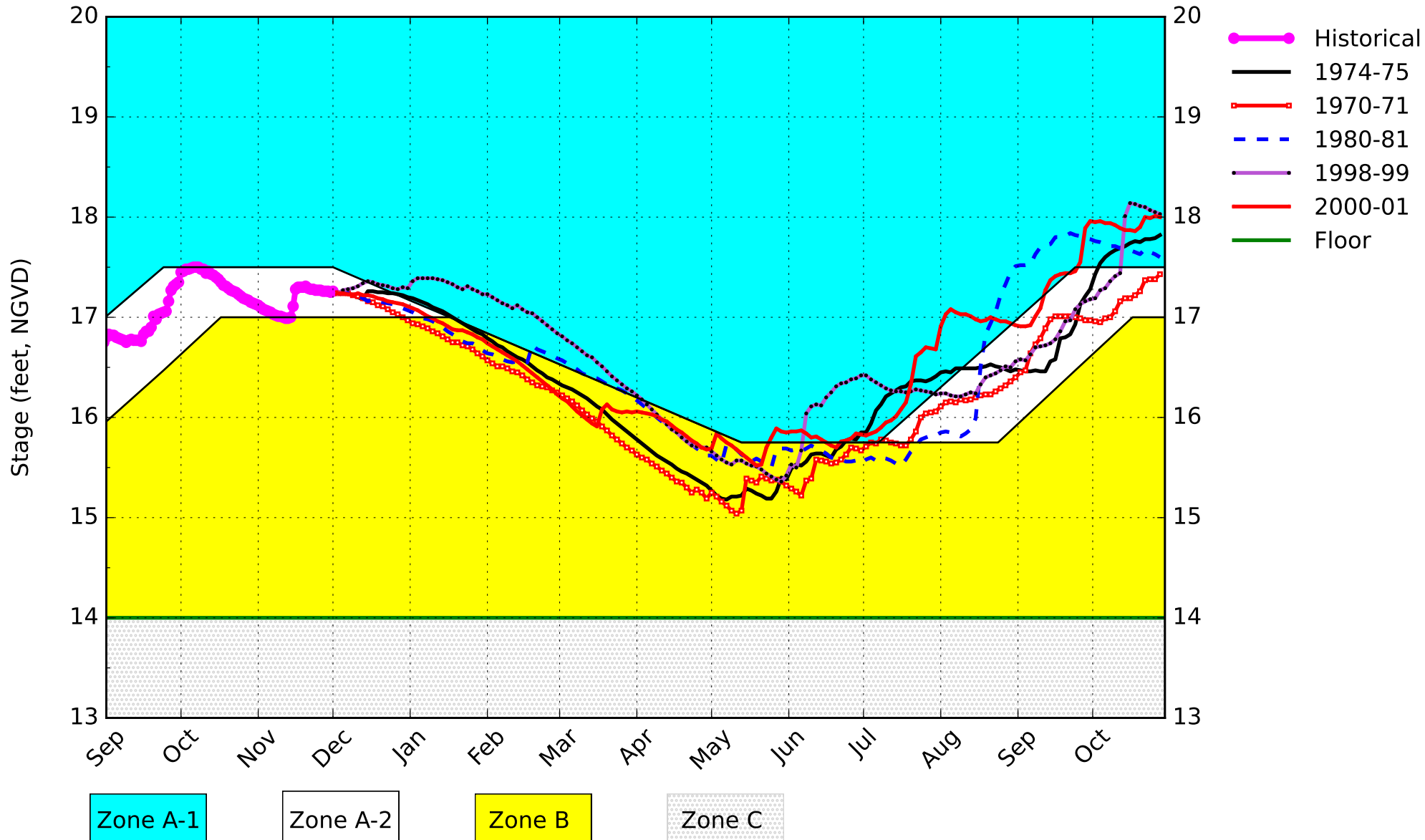
Percentiles PA



(See assumptions on the Position Analysis Results website)

WCA1 SFWMM December 2023 Position Analysis

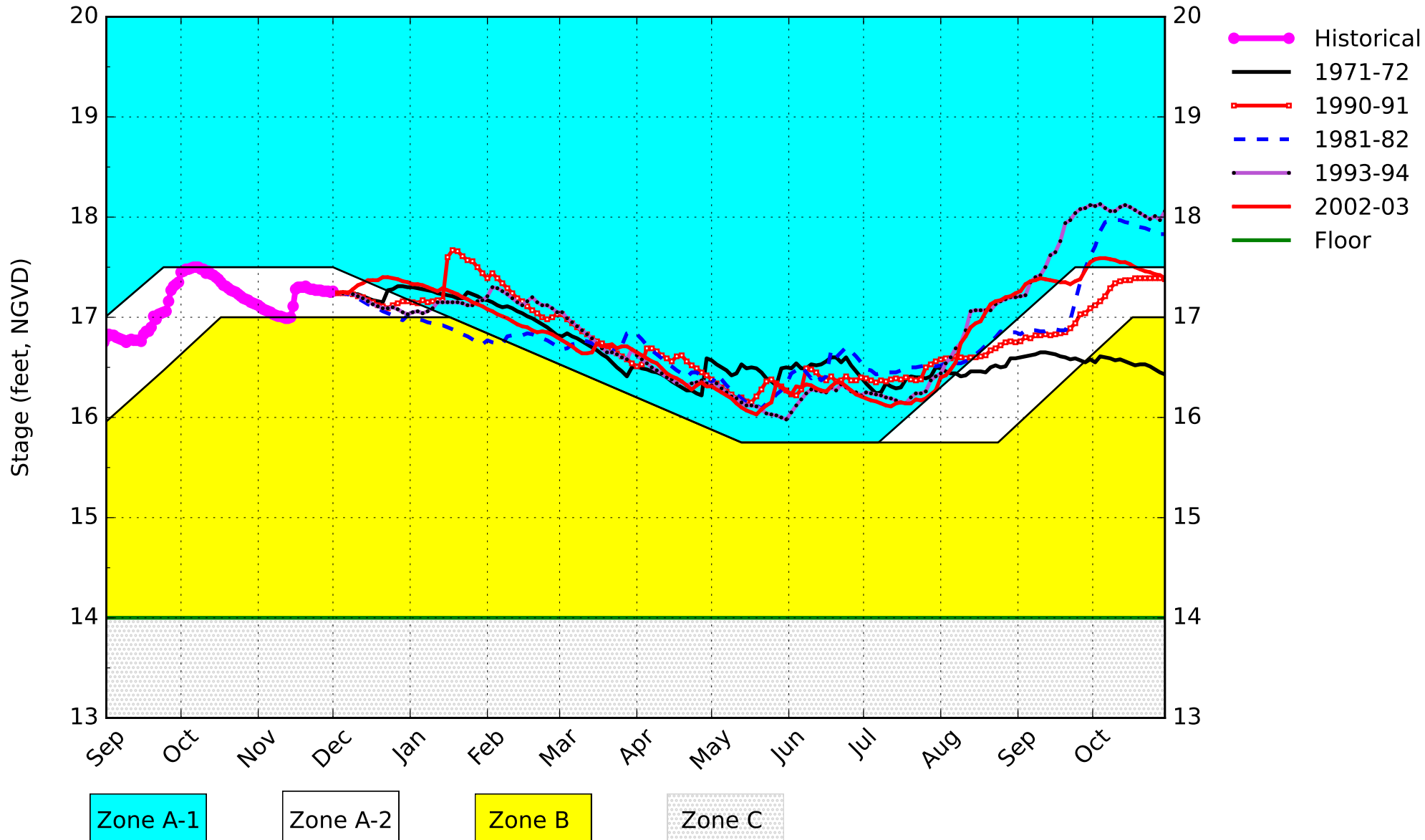
Dry Years Plot PA



(See assumptions on the Position Analysis Results website)

WCA1 SFWMM December 2023 Position Analysis

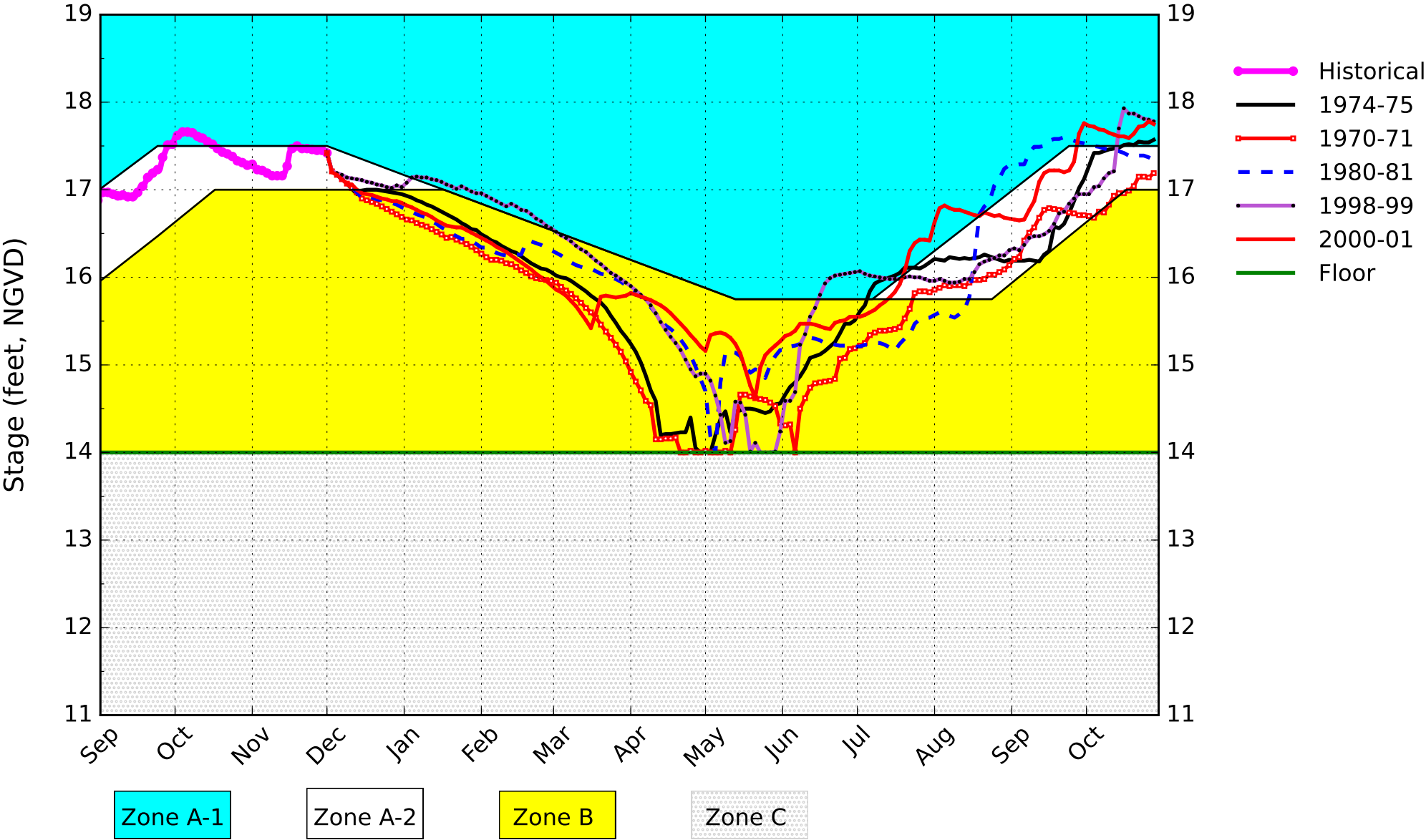
Wet Years Plot PA



(See assumptions on the Position Analysis Results website)

CA1 Canal SFWMM Decenter 2023 Position Analysis

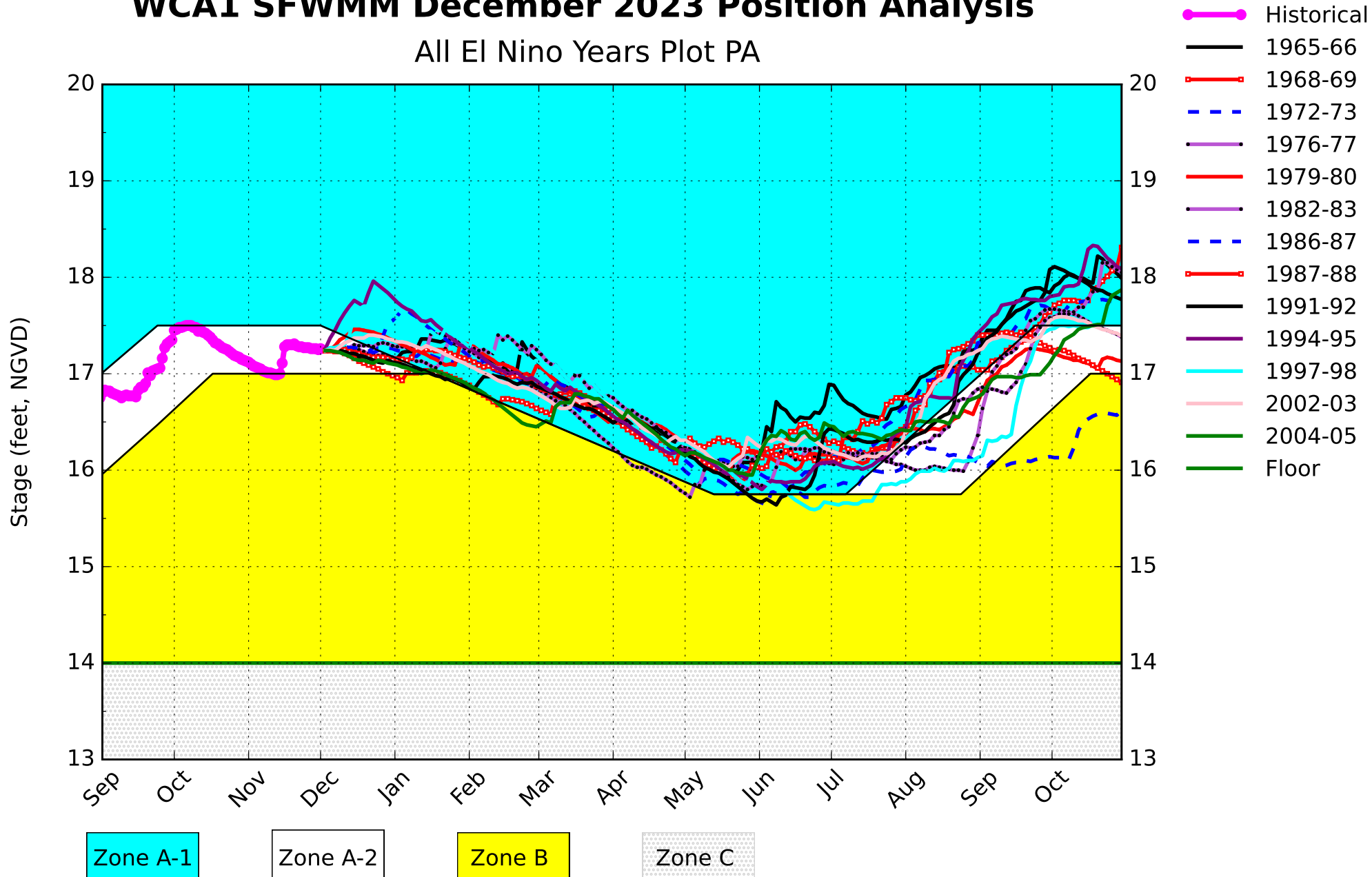
PA Dry Years Plot



(See assumptions on the Position Analysis Results website)

WCA1 SFWMM December 2023 Position Analysis

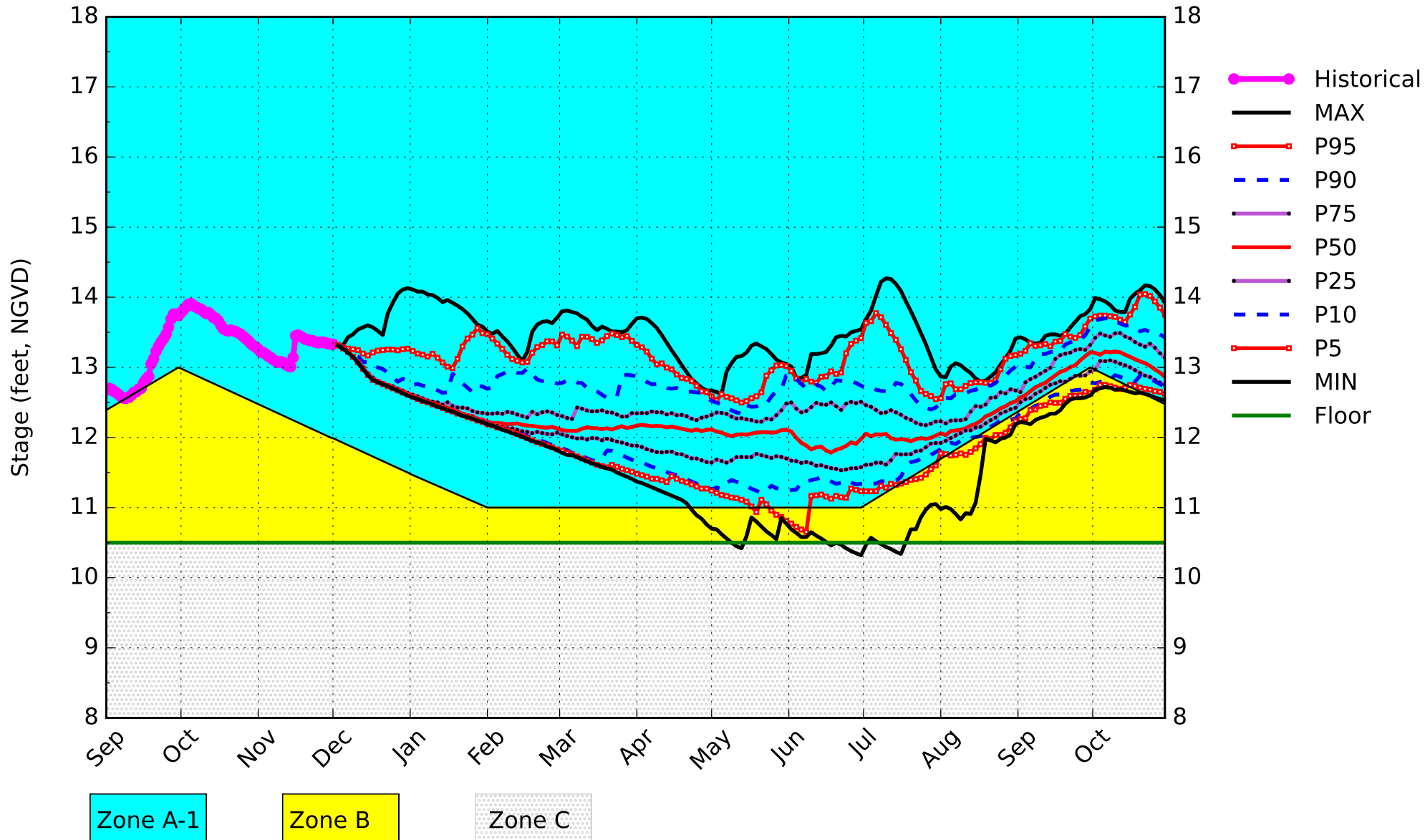
All El Nino Years Plot PA



(See assumptions on the Position Analysis Results website)

WCA2A SFWMM December 2023 Position Analysis

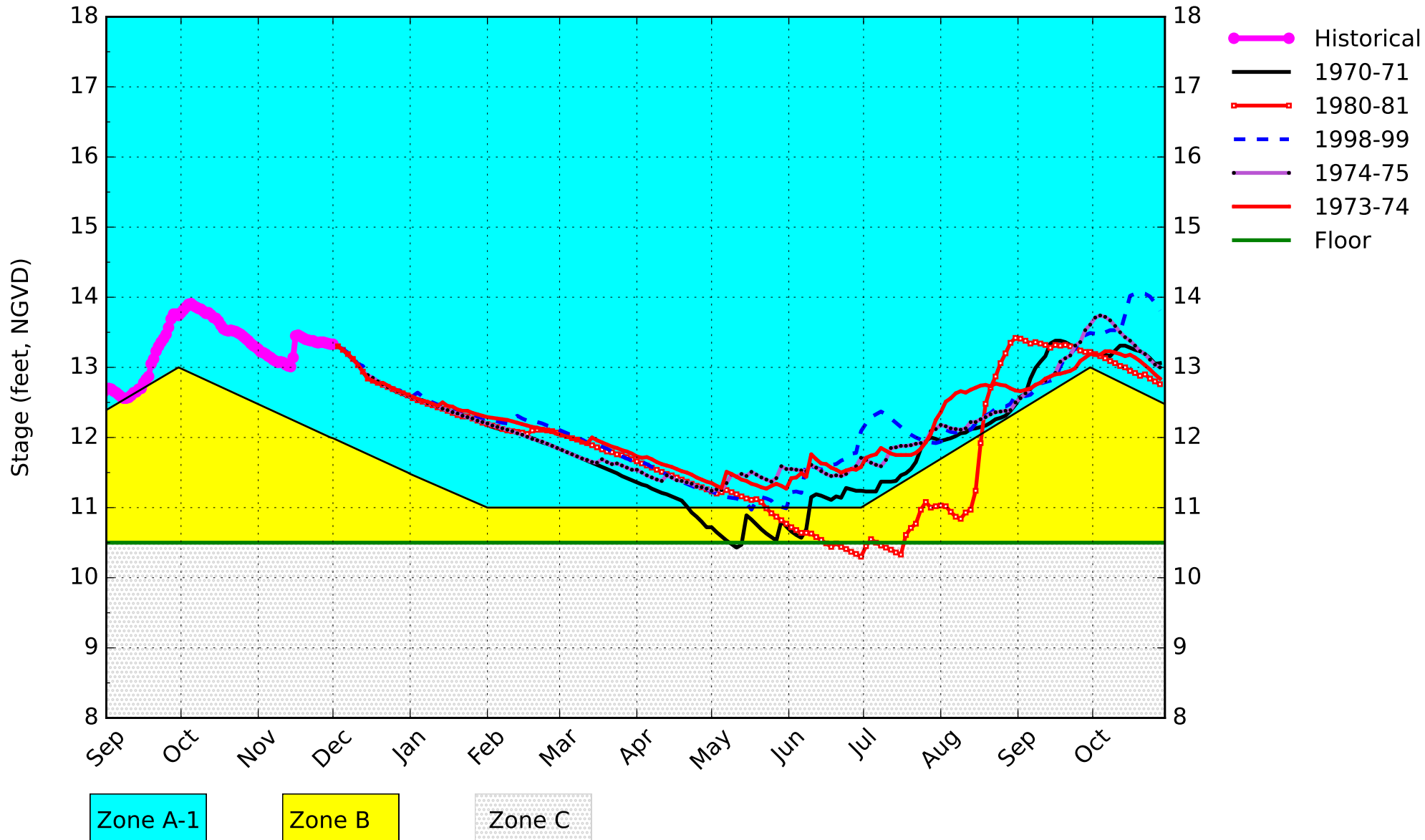
Percentiles PA



(See assumptions on the Position Analysis Results website)

WCA2A SFWMM December 2023 Position Analysis

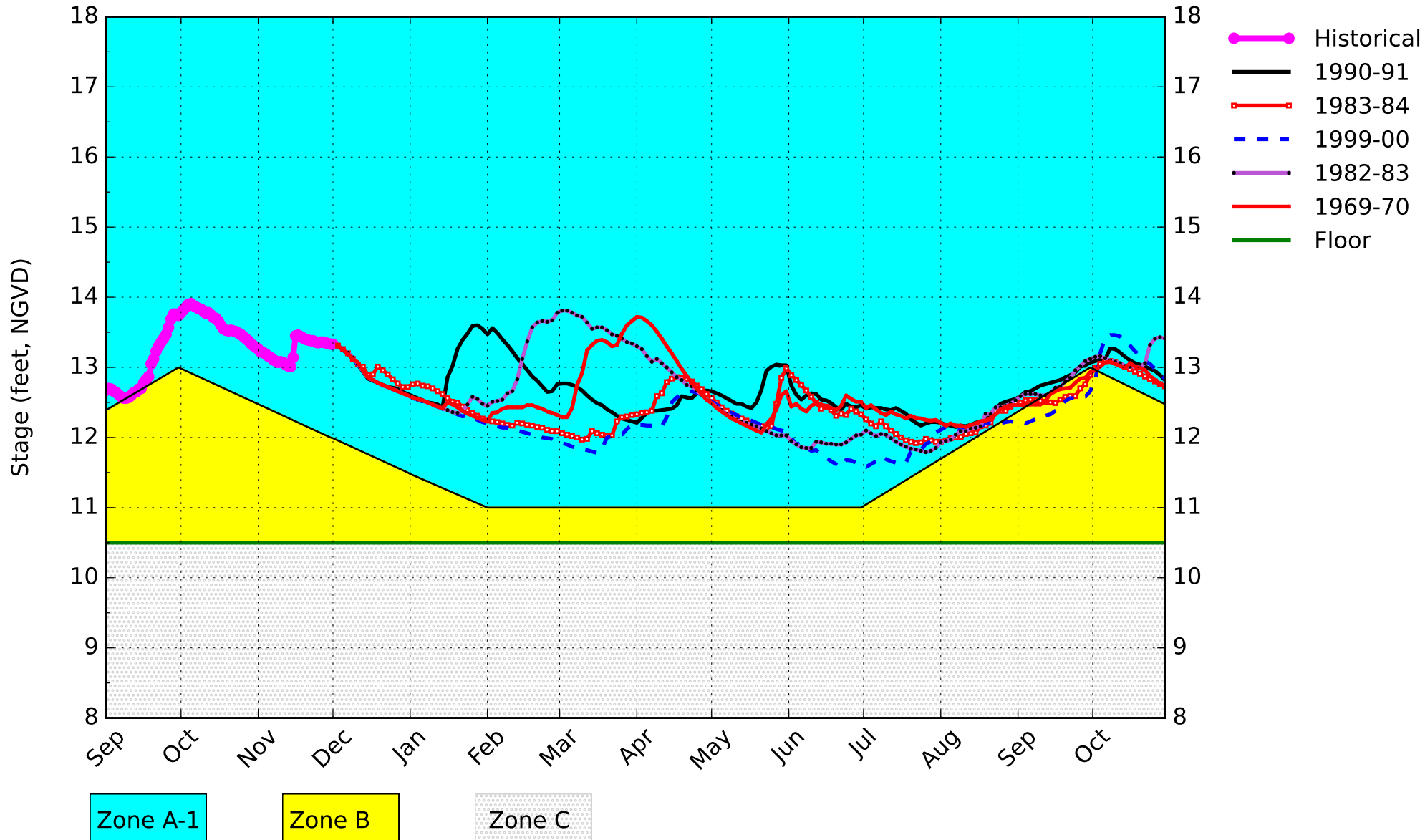
Dry Years Plot PA



(See assumptions on the Position Analysis Results website)

WCA2A SFWMM December 2023 Position Analysis

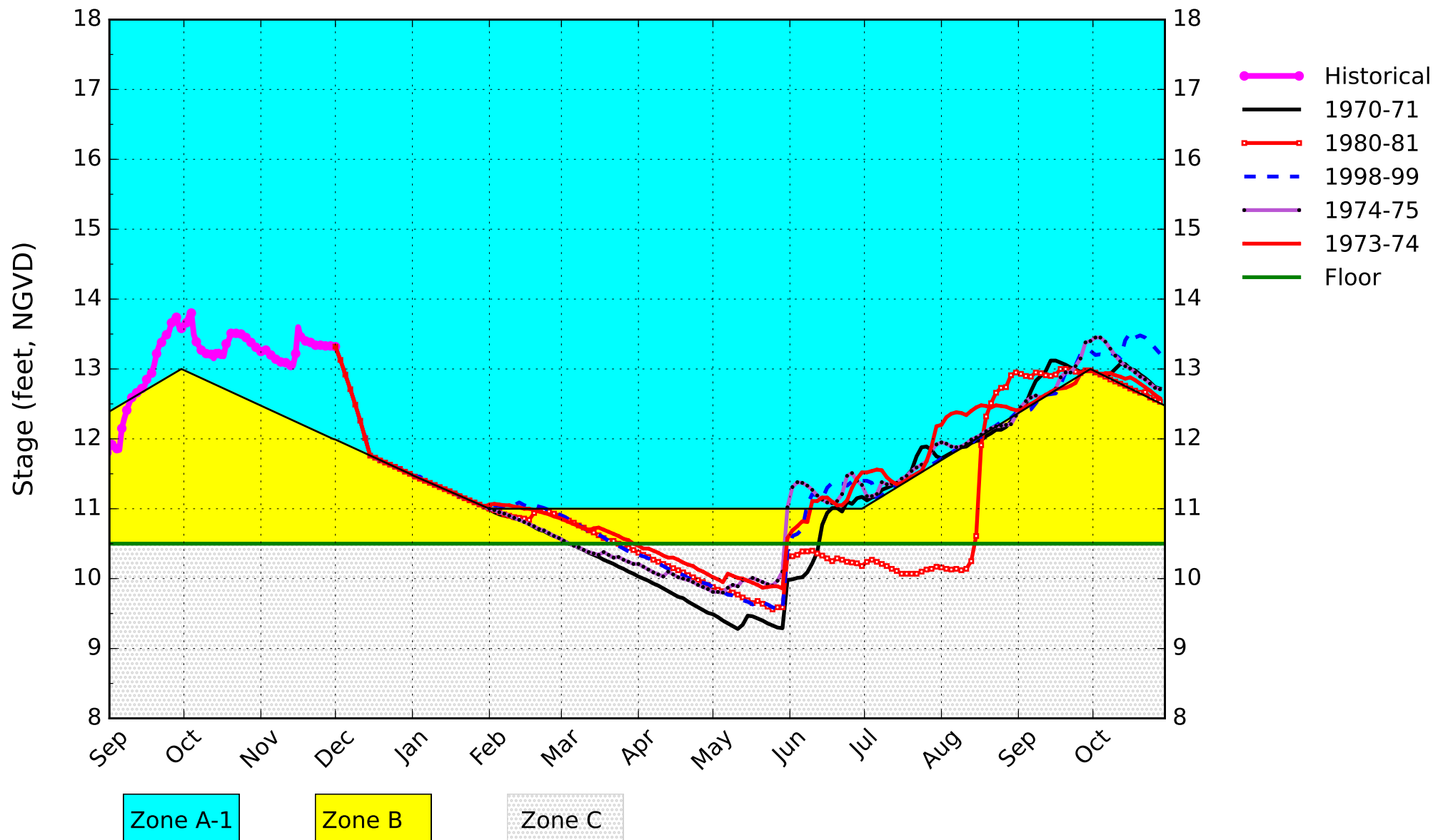
Wet Years Plot PA



(See assumptions on the Position Analysis Results website)

L38 Canal SFWMM Decenter 2023 Position Analysis

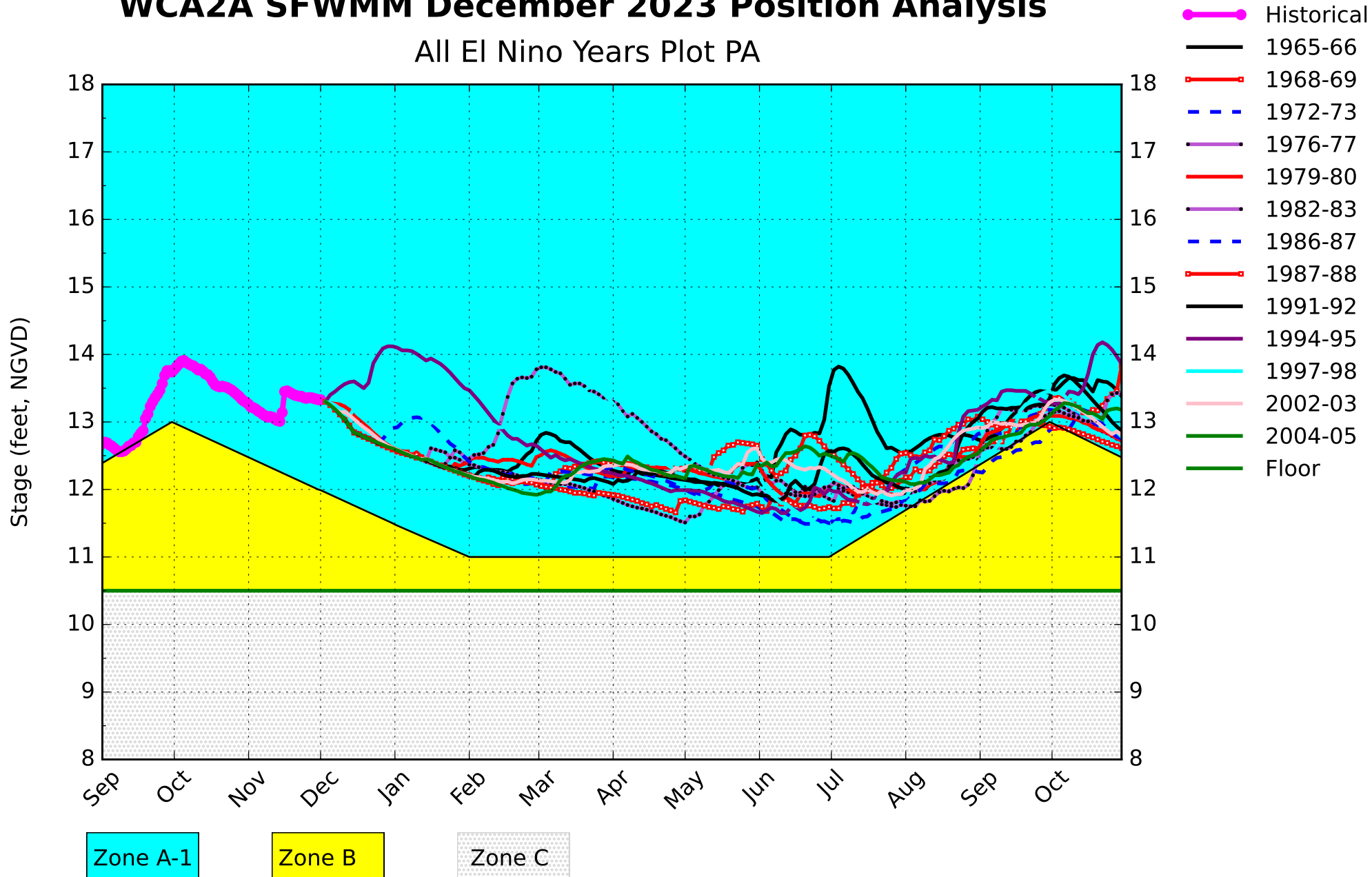
PA Dry Years Plot



(See assumptions on the Position Analysis Results website)

WCA2A SFWMM December 2023 Position Analysis

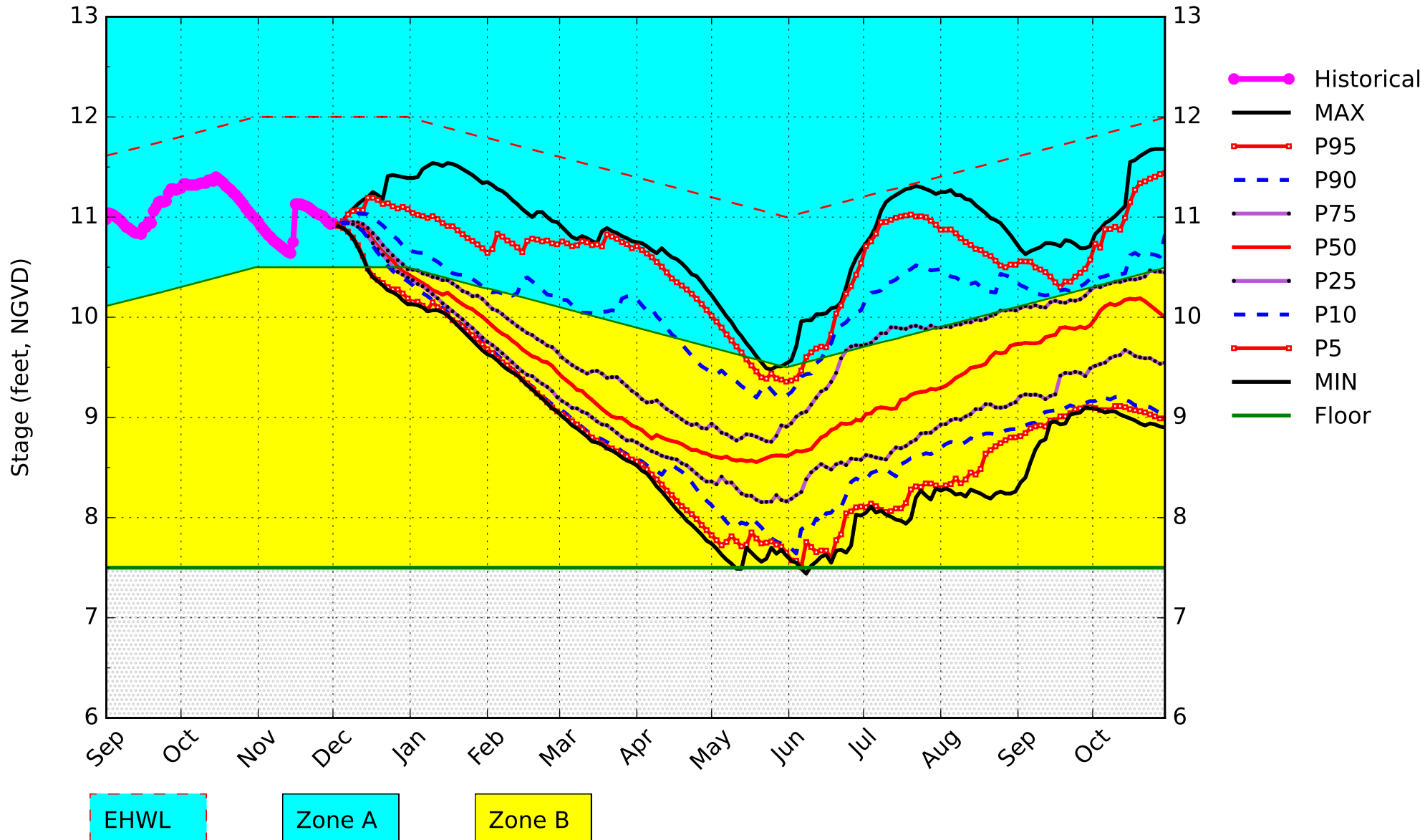
All El Nino Years Plot PA



(See assumptions on the Position Analysis Results website)

WCA3A SFWMM December 2023 Position Analysis

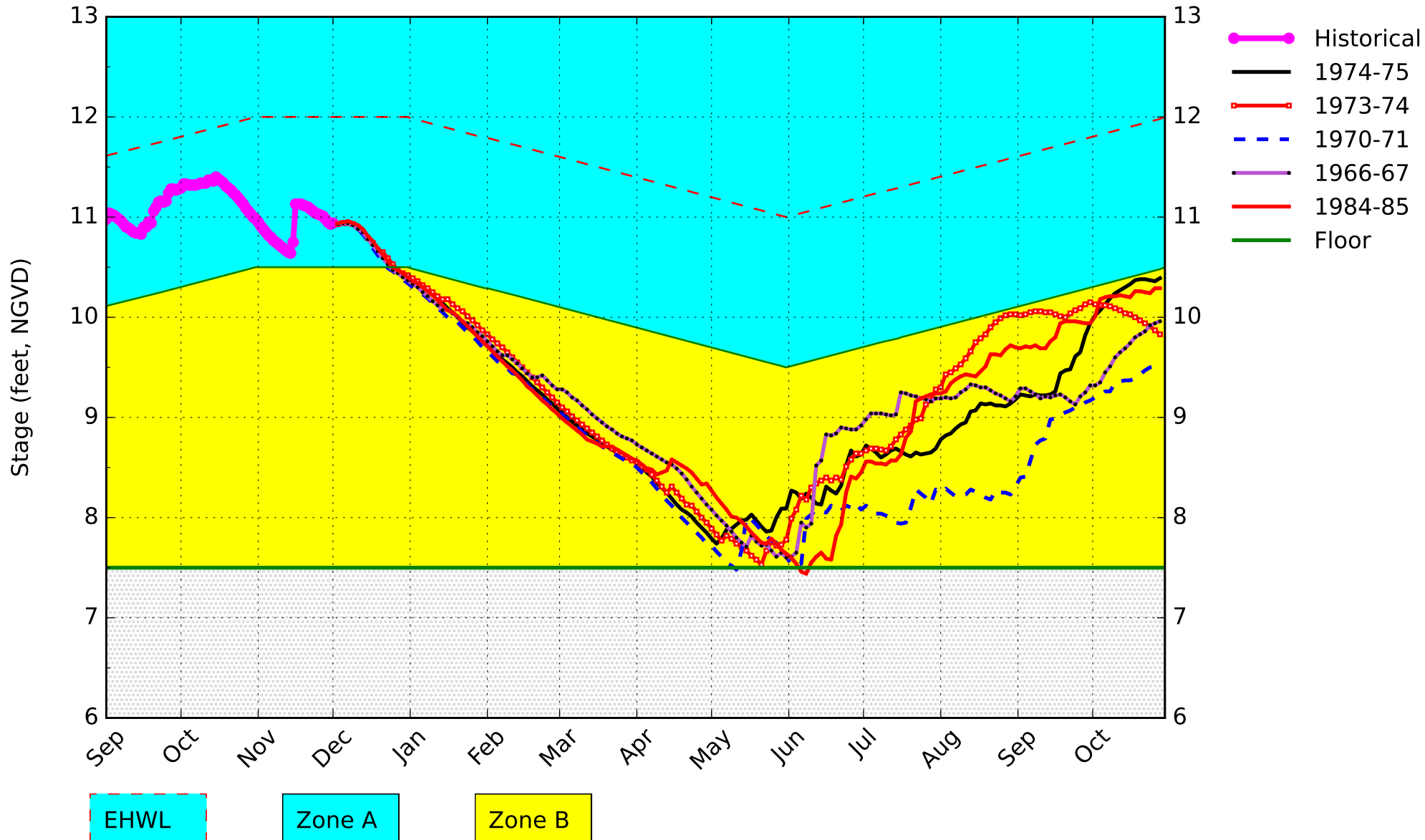
Percentiles PA



(See assumptions on the Position Analysis Results website)

WCA3A SFWMM December 2023 Position Analysis

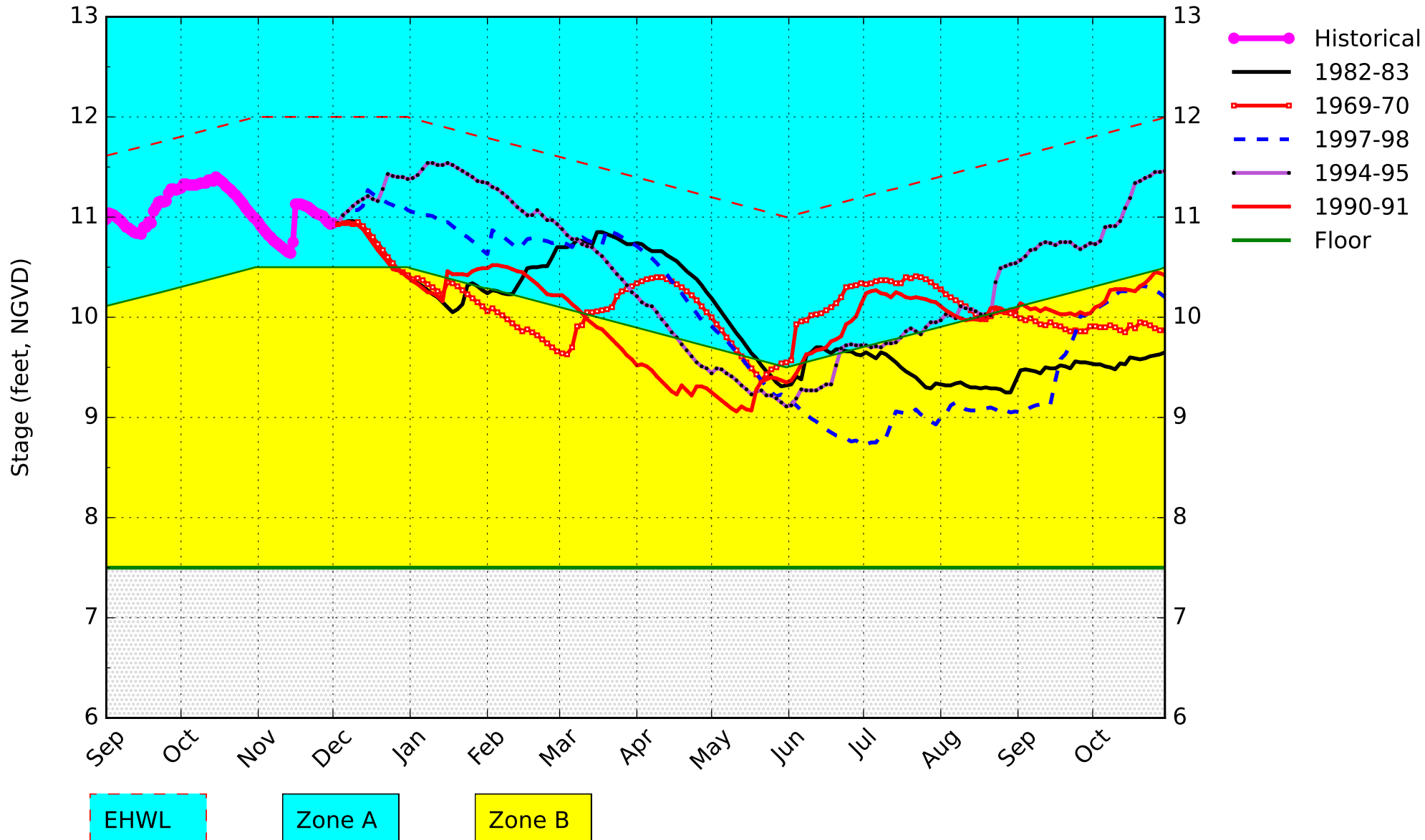
Dry Years Plot PA



(See assumptions on the Position Analysis Results website)

WCA3A SFWMM December 2023 Position Analysis

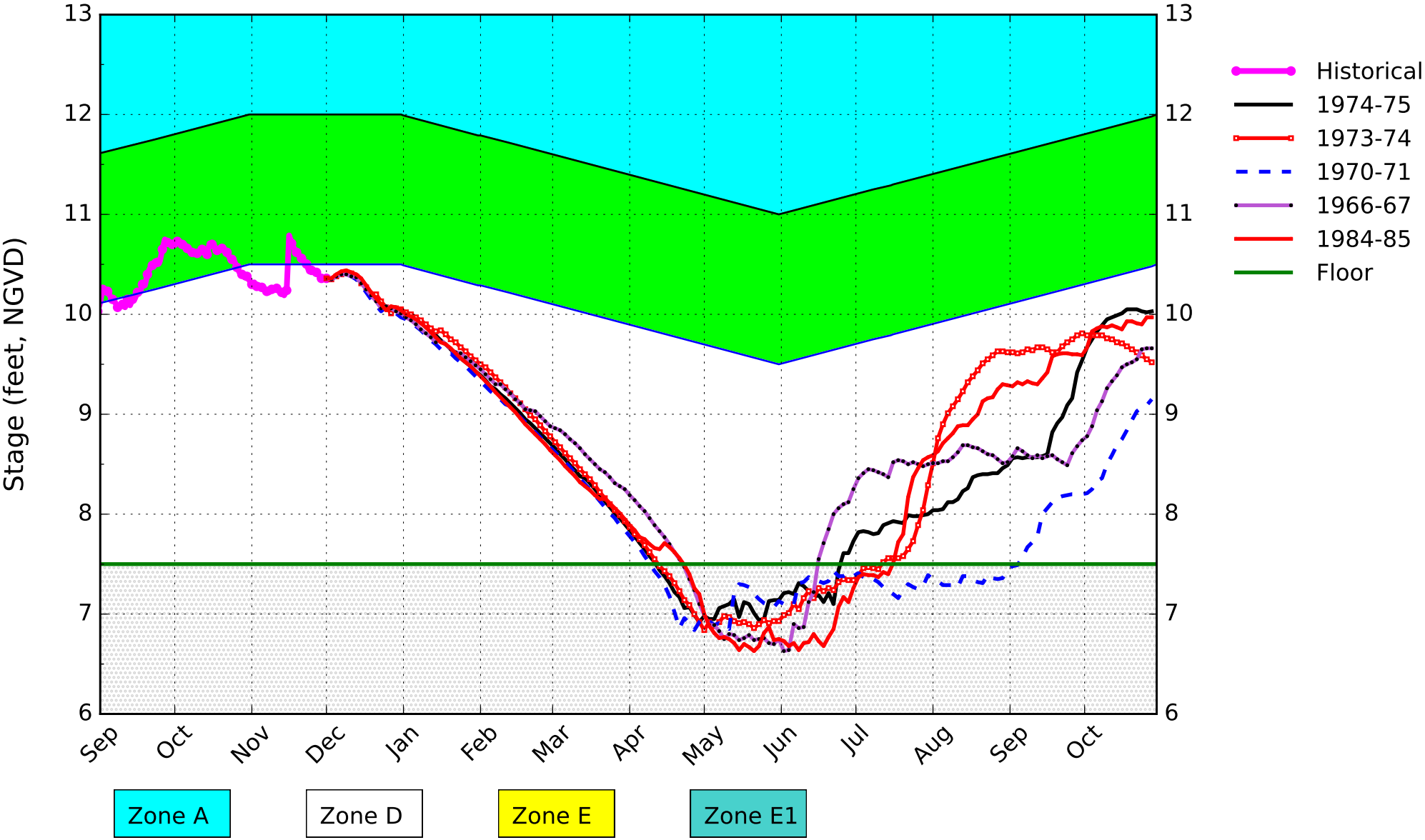
Wet Years Plot PA



(See assumptions on the Position Analysis Results website)

CA3 Canal SFWMM Decenter 2023 Position Analysis

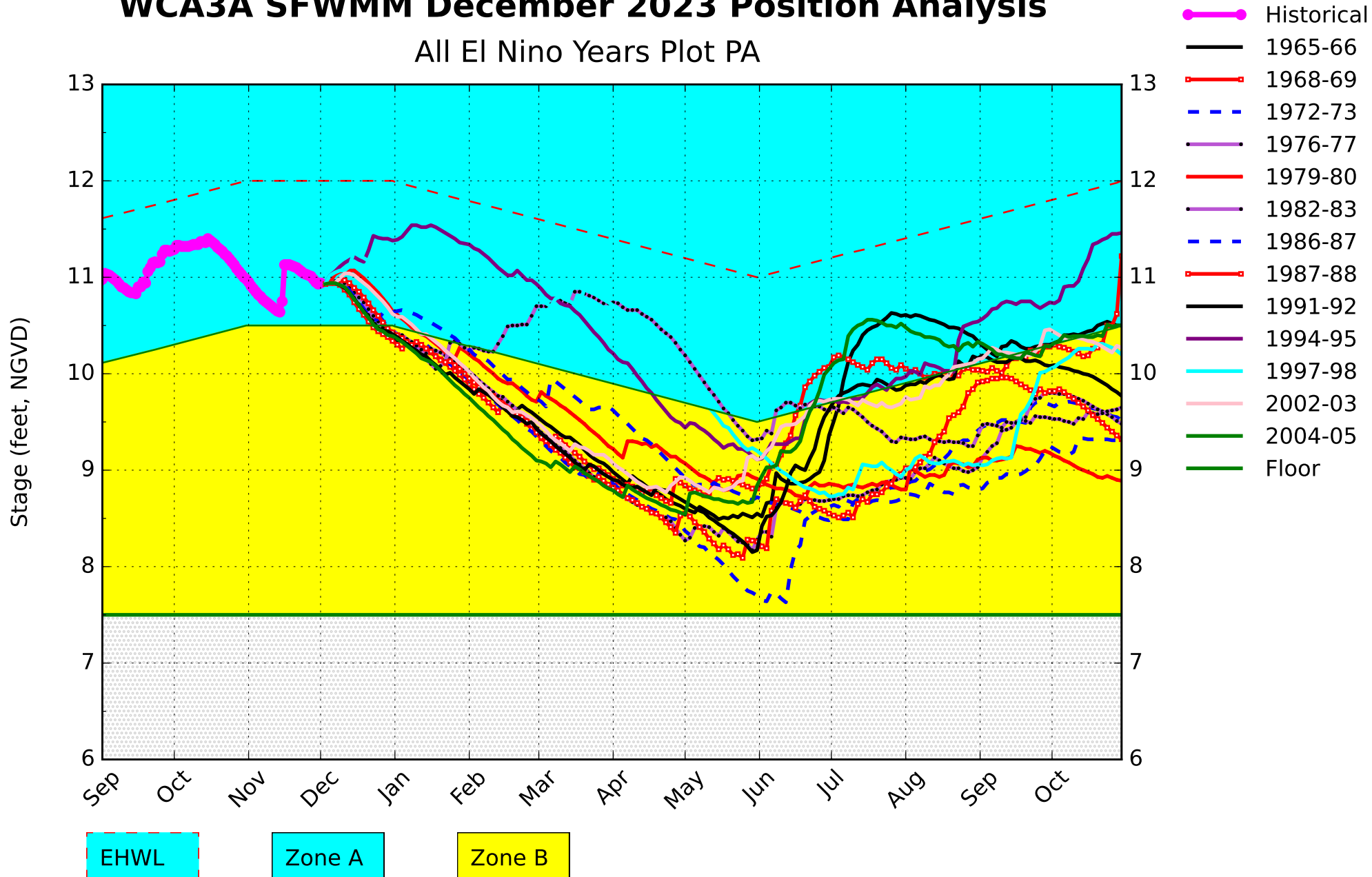
PA Dry Years Plot



(See assumptions on the Position Analysis Results website)

WCA3A SFWMM December 2023 Position Analysis

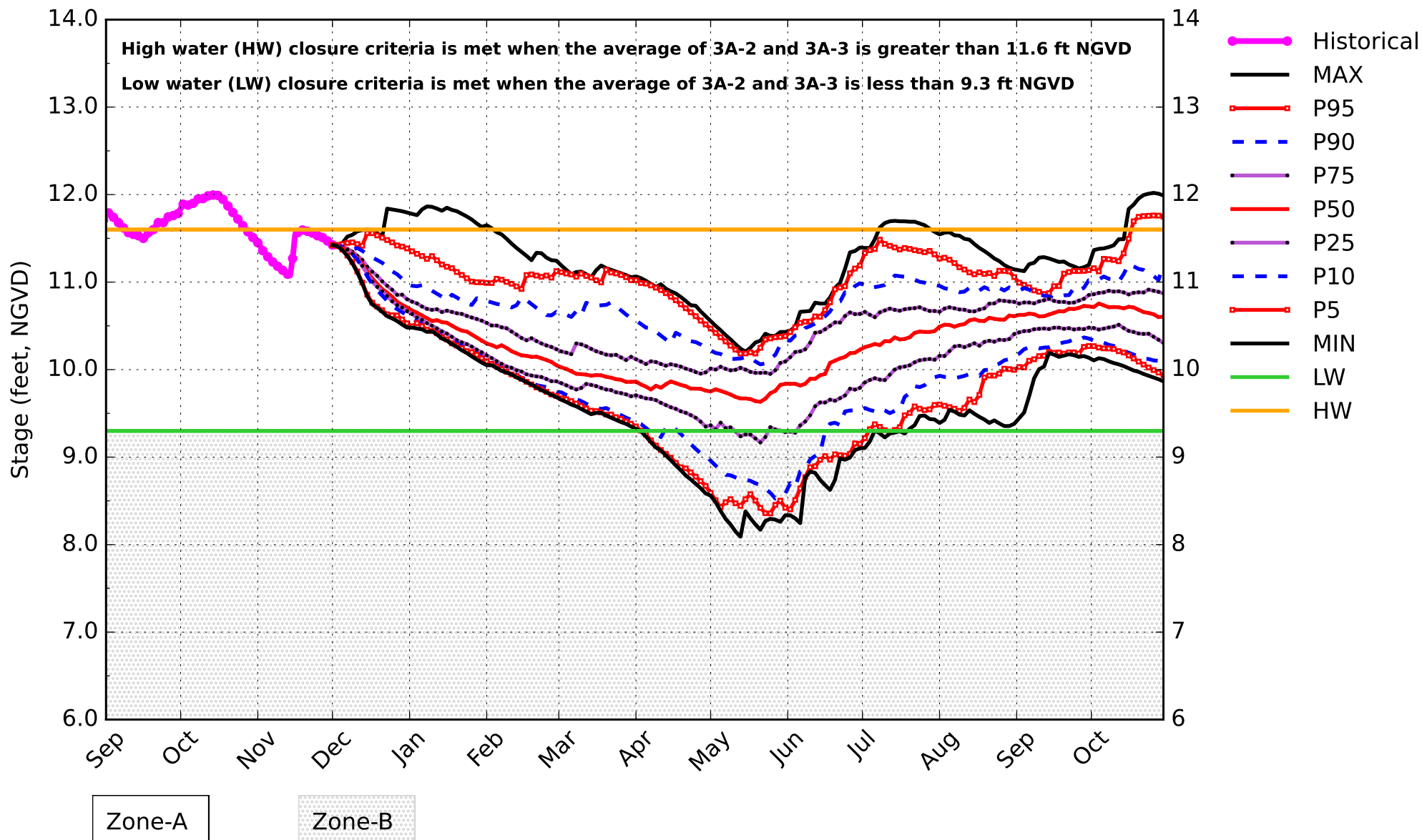
All El Nino Years Plot PA



(See assumptions on the Position Analysis Results website)

3A-2G Gage SFWMM Decenter 2023 Position Analysis

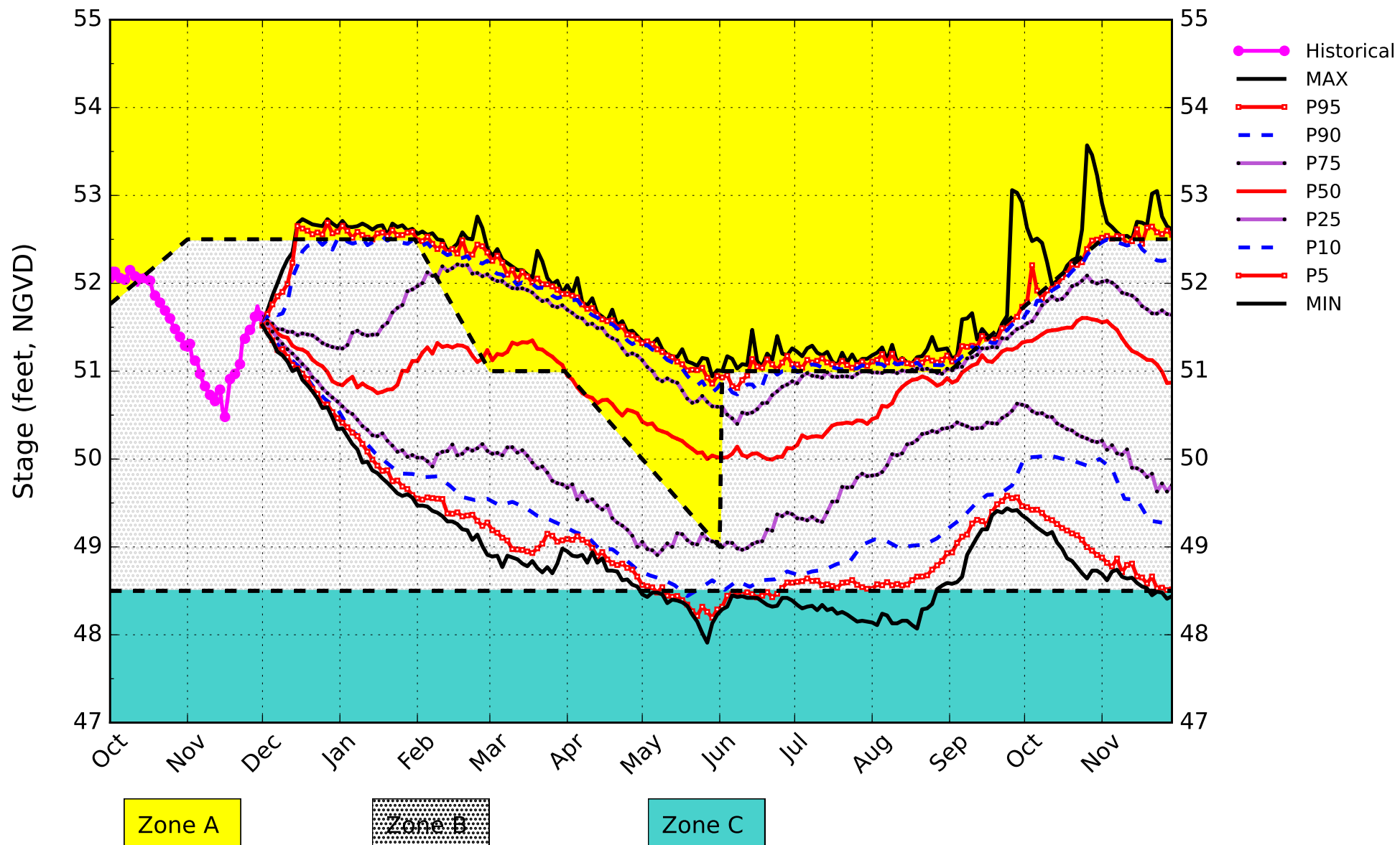
PA



(See assumptions on the Position Analysis Results website)

S65 UK-OPS Dec 1 2023 PositionAnalysis

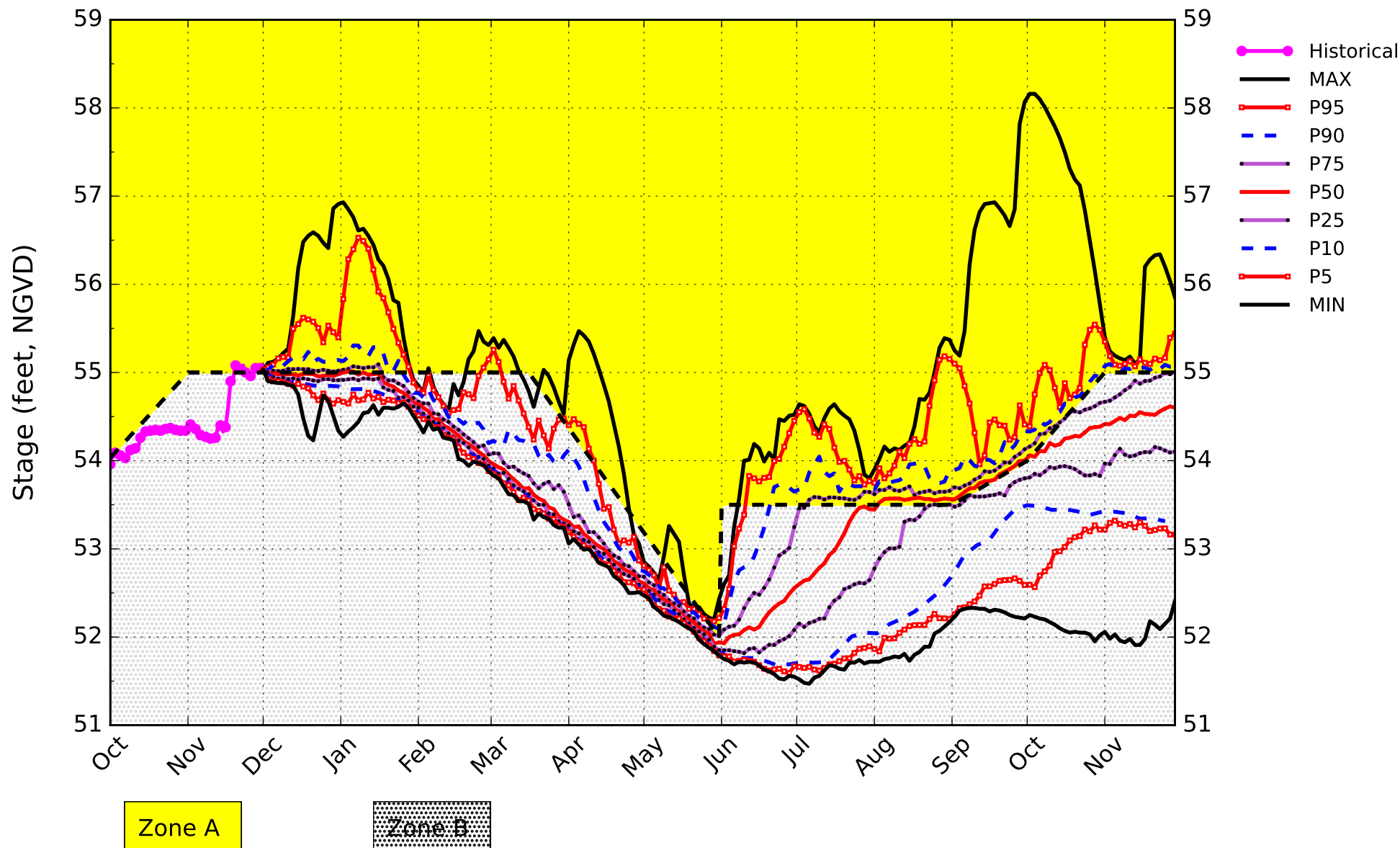
December_2023_LORS Unconditional PA



(See assumptions on the Position Analysis Results website)

S61 UK-OPS Dec 1 2023 PositionAnalysis

December_2023_LORS Unconditional PA



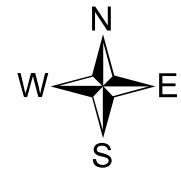
(See assumptions on the Position Analysis Results website)

For the Dynamic Position Analysis the Upper Kissimmee Operations Screening (UK-OPS) Model is used to simulate water levels and releases from Lakes Kissimmee-Cypress-Hatchineha, Tohopekaliga, and East Lake Tohopekaliga. The UK-OPS Model operating assumptions are updated as needed to represent the intended operations strategy for the upcoming year. While SFWMD staff efforts continue toward improving the modeling tools for the Kissimmee basins, an intermediate solution is to use the UK-OPS Model.

AREA	:Canal Name	:SFWMM Name	:Location	:SFWMD sensor
stage(ft)				
WPB	:C-18	:C18	:G92-H	: 14.18
WPB	:C-17	:C17	:S44-H	: 7.25
WPB	:C-51W	:C51W	:S5AE-T	: 12.18
WPB	:C-51	:C51	:S155-H	: 8.23
WCA	:WCA-1 L-40	:CA1	:1-8C	: 17.24
FTLD	:Hillsboro Canal	:HLSB	:G56-H	: 8.25
WCA	:WCA-2A L-38	:L38	:S11B-H	: 13.32
WCA	:WCA-2A L-39	:CA2A	:S10A-T	: 13.33
FTLD	:C-14	:C14	:S37B-H	: 7.07
FTLD	:C-14E	:C14E	:S37A-H	: 3.26
FTLD	:Pompano	:POMP	:G57-H	: 4.45
FTLD	:C-12	:C12	:S33-H	: 3.49
FTLD	:C-13	:C13	:S36-H	: 4.89
FTLD	:North New River Canal	:NNRC	:G54-H	: 4.46
MIAMI	:L-33	:L33	:S30-H	: 6.20
MIAMI	:C-304	:C304	:S31-H	: 8.92
MIAMI	:C-9	:C9	:S29-H	: 2.55
MIAMI	:C-9 DEN	:C9DEN	:S29-H	: 2.55
MIAMI	:C-8	:C8	:S28-H	: 2.19
MIAMI	:C-7	:C7	:S27-H	: 2.29
MIAMI	:C-6	:C6	:S26-H	: 2.50
MIAMI	:C-2/C-4	:C4	:S25B-H	: 2.48
MIAMI	:L-30	:L30	:S335-H	: 7.79
WCA	:WCA-3A L-29	:CA3	:S333-H	: 10.31
WCA	:S-12A	:S12AD	:S12A-T	: 1.00
WCA	:S-12B	:S12BD	:S12B-T	: 1.00
WCA	:S-12C	:S12CD	:S12C-T	: 10.12
WCA	:S-12D	:S12DD	:S12D-T	: 10.19
MIAMI	:L-29	:L29	:S334-H	: 8.41
MIAMI	:C-100C	:C100C	:S119-H	: 3.37
MIAMI	:C-100	:C100	:S118-H	: 3.40
MIAMI	:C-100A	:C100A	:S123-H	: 2.76
HMST	:C-1/S-148	:S148U	:S148-H	: 3.53
HMST	:L-31N	:L31N	:S331-H	: 4.32
HMST	:C-1N	:C1N	:S149-H	: 2.79
MIAMI	:S-21	:S21	:S21-H	: 2.54
HMST	:L-31S	:L31S	:S176-H	: 3.90
MIAMI	:C-102N	:C102N	:S21A-H	: 1.96
HMST	:C-102	:C102	:S165-H	: 3.90
MIAMI	:C-103S	:C103S	:S167-H	: 3.65
HMST	:C-103N	:C103N	:S166-H	: 3.35
HMST	:C-103	:S179	:S179-H	: 2.76
HMST	:L-31W	:L31W	:S332-H	: 5.91
HMST	:C-111	:C111	:S177-H	: 3.13
HMST	:CNO	:CNO	:S179-H	: 2.76
HMST	:C-111E	:C111E	:S18C-H	: 2.76
HMST	:S-197	:S197	:S197-H	: 2.71
EAA	:L-23E	:L23E	:S8-T	: 12.04
EAA	:C-60	:C60	:S140-T	: 11.47

SFWMM Name	col	row	STAGE	Source Data	match	domain	match areas
1-7	31	48	17.23	USACE	PA	CA1	
1-8T	34	47	17.25	USACE	PA	CA1	
1-9	33	46	17.24	USACE	PA	CA1	
2-17	29	40	13.33	USACE	PA	CA2	
2-159	28	43	13.83	SFWMD-ARDAMS	PA	CA2	
3-99	30	35	11.16	USACE		CA2	
3A-2	18	36	11.64	USACE	PA	CA3	
3A-3	25	37	11.21	USACE	PA	CA3	
3A-28	19	24	10.37	USACE	PA	CA3	
3A-4	21	29	11.14	USACE	PA	CA3	
3A-NW	18	40	12.42	SFWMD-ARDAMS		CA3	
3A-NE	23	40	11.10	SFWMD-ARDAMS		CA3	
3A-SW	16	30	10.85	SFWMD-ARDAMS		CA3	
3A-S	20	33	11.10	SFWMD-ARDAMS		CA3	
3-76	27	30	8.92	USACE			
3-71	24	26	9.04	USACE			
SHARK	24	23	9.02	USACE		CA3	
3BS1W	26	23	8.77	SFWMD-ARDAMS			
HOLY1	19	45	11.75	SFWMD-ARDAMS		WMA	
HOLY2	21	42	11.75	SFWMD-ARDAMS		WMA	
ROTTN	15	46	13.49	SFWMD-OPERATIONS		WMA	
ROTTS	16	43	13.54	SFWMD-OPERATIONS		WMA	
NP205	15	20	7.35	USACE		ENP	
NP201	19	21	9.27	USACE		ENP	
NP36	17	14	5.49	USACE		ENP	
NP38	16	9	2.74	USACE		ENP	
NP46	17	7	2.48	USACE		ENP	
NP67	22	7	3.32	USACE			
NP33	20	17	7.63	USACE		ENP	
NP34	13	17	4.26	USACE		ENP	
NP44	19	11	4.98	USACE		ENP	
NP206	21	15	7.12	USACE		ENP	
NESR2	25	21	8.28	USACE		ENP	
THSO	23	9	1.35	USACE			
RG2	23	15	6.94	USACE		ENP	
G3273	24	17	7.97	USACE	PA	ENP	
ANGEL	25	17	7.93	USACE	PA		
ANGEL	26	17	7.93	USACE	PA		
EVER4	25	8	3.00	USACE	PA	SA3	
E112	23	10	5.71	USACE		ENP	
G620	18	19	7.84	USACE		ENP	

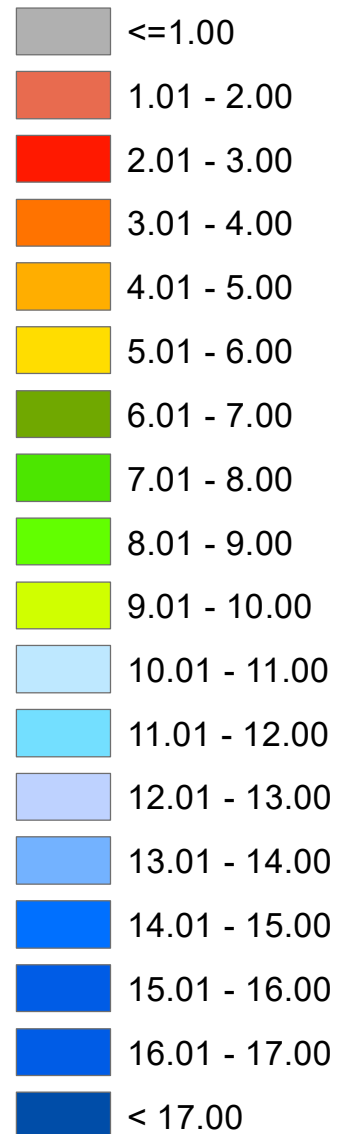
SFWMM DYNAMIC POSITION ANALYSIS RUN
INITIAL STAGE VALUES December 1, 2023



0 5 10 20
Miles

Stage Class
(feet NGVD)

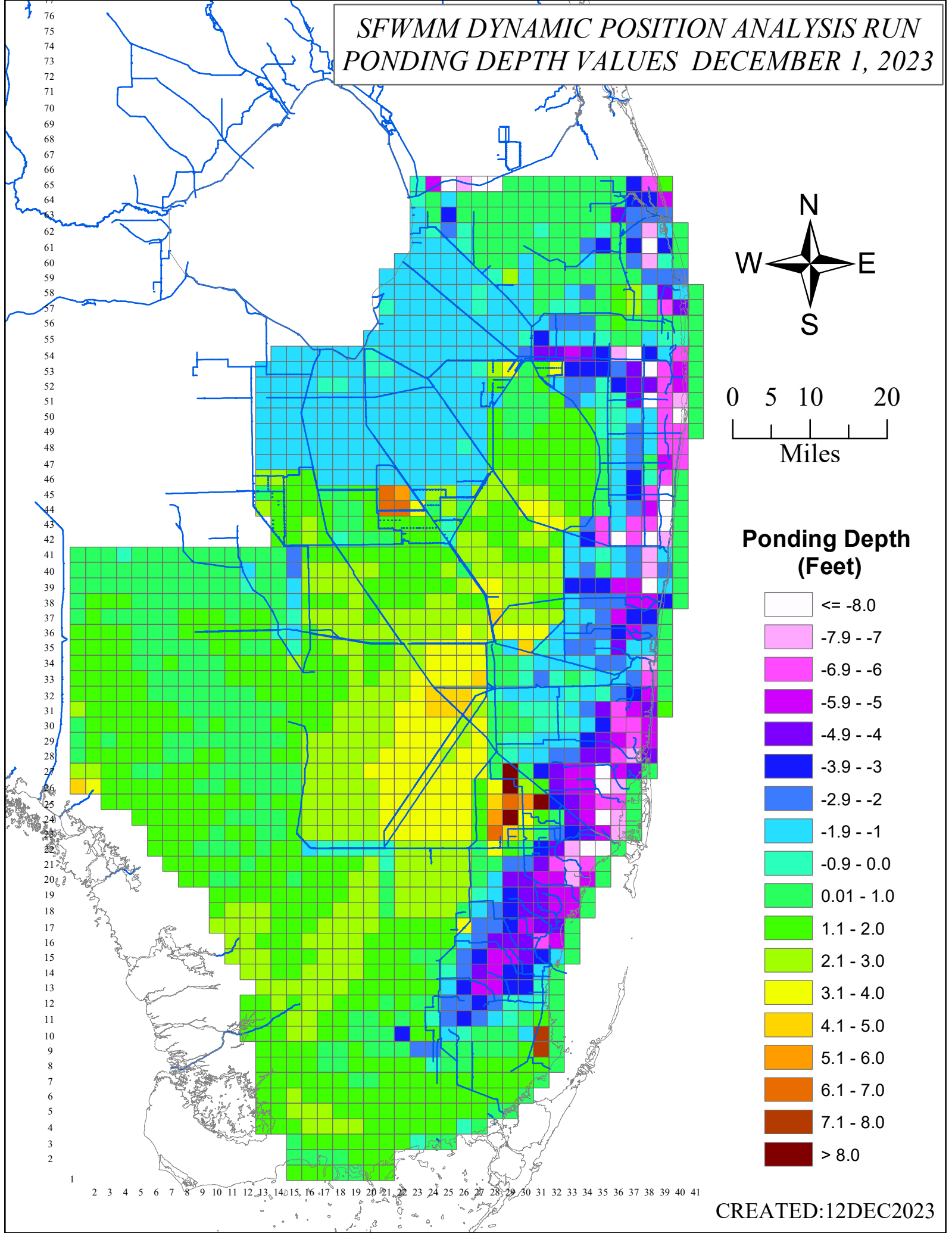
SFWMM Grid



CREATED: DECEMBER122023

[illegible]

*SFWMM DYNAMIC POSITION ANALYSIS RUN
PONDING DEPTH VALUES DECEMBER 1, 2023*



Lake Okechobee Band Probabilities (%) at the Begining of Each Month

(See assumptions on the Position Analysis Results website)

Initial Stage 16.21 ft. for 01/ 11/ 2023

Date(d/m/y\ HLM	High	Inter	Low	Base	Bene	WSM	
1/11/2023	2.44	0	0	95.12	0	0	2.44
1/12/2023	2.44	0	0	95.12	0	0	2.44
1/1/2024	2.44	0	6.85	88.28	0	0	2.44
1/2/2024	2.44	0	9.89	85.23	0	0	2.44
1/3/2024	2.44	2.8	7.63	84.69	0	0	2.44
1/4/2024	5.49	2.63	6.55	82.28	0.61	0	2.44
1/5/2024	2.44	0	6.79	55.96	31.08	1.29	2.44
1/6/2024	2.44	0	0	61.82	7.06	26.25	2.44
1/7/2024	2.44	2.98	2.62	46.29	19.02	23.31	3.34
1/8/2024	2.44	0	9.68	39.04	27.21	9.12	12.5
1/9/2024	2.44	0	10.35	45.16	22.04	7.93	12.08
1/10/2024	2.88	2.24	15.15	34.33	29.56	0.03	15.81

Monthly Supply Side Management Results
for the Lake Okeechobee Service Area
Report by Water Years Oct-Sep
(Volumes in 1000 ac-ft)

Run:

SFWMM v6.7.4 - December 1, 2023 DPA1 TTFF Final LOK Stage 15.98

Note: SSM stands for Supply Side Management
SSMwC.B. stands for Supply Side Management with cutback

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1965	10	0	0	0.90	0.00	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	36.01	0.00	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	39.95	0.00	0.00	0.00	0.00	0.00	0.00
1966	1	0	0	0.59	0.00	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	15.18	0.00	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	62.45	0.00	0.00	0.00	0.00	0.00	0.00
1966	4	0	0	57.88	0.00	0.00	0.00	0.00	0.00	0.00
1966	5	0	0	49.43	0.00	0.00	0.01	0.01	0.01	0.01
1966	6	0	0	5.62	0.00	0.00	0.00	0.00	0.00	0.00
1966	7	0	0	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1966	8	0	0	0.88	0.00	0.00	0.00	0.00	0.00	0.00
1966	9	0	0	1.17	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1966	10	0	0	6.67	0.00	0.00	0.00	0.00	0.00	0.00
1966	11	0	0	36.02	0.00	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	52.28	0.00	0.00	0.00	0.00	0.00	0.00
1967	1	0	0	43.12	0.00	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	26.58	0.00	0.00	0.00	0.00	0.00	0.00
1967	3	0	0	79.31	0.00	0.00	0.00	0.00	0.00	0.00
1967	4	0	0	169.85	0.00	0.00	0.02	0.01	0.02	0.01
1967	5	0	0	205.65	0.00	0.00	0.80	0.39	0.80	0.39
1967	6	0	0	21.81	0.00	0.00	0.00	0.00	0.00	0.00
1967	7	0	0	5.50	0.00	0.00	0.00	0.00	0.00	0.00
1967	8	0	0	6.24	0.00	0.00	0.03	0.48	0.03	0.48
1967	9	23	5	12.34	3.00	24.35	0.03	0.24	3.03	24.58

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1967	10	6	0	1.12	0.00	0.00	0.00	0.00	0.00	0.00
1967	11	0	0	36.02	0.00	0.00	0.00	0.00	0.00	0.00
1967	12	0	0	27.92	0.00	0.00	0.00	0.00	0.00	0.00
1968	1	0	0	57.30	0.00	0.00	0.00	0.00	0.00	0.00
1968	2	0	0	37.06	0.00	0.00	0.00	0.00	0.00	0.00
1968	3	0	0	76.52	0.00	0.00	0.00	0.00	0.00	0.00
1968	4	0	0	134.52	0.00	0.00	0.00	0.00	0.00	0.00
1968	5	0	0	27.84	0.00	0.00	0.00	0.00	0.00	0.00
1968	6	0	0	0.83	0.00	0.00	0.00	0.00	0.00	0.00
1968	7	0	0	11.04	0.00	0.00	0.00	0.00	0.00	0.00
1968	8	0	0	8.82	0.00	0.00	0.00	0.00	0.00	0.00
1968	9	0	0	7.97	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1968	10	0	0	0.54	0.00	0.00	0.00	0.00	0.00	0.00
1968	11	0	0	35.87	0.00	0.00	0.00	0.00	0.00	0.00
1968	12	0	0	81.70	0.00	0.00	0.00	0.00	0.00	0.00
1969	1	0	0	25.05	0.00	0.00	0.00	0.00	0.00	0.00
1969	2	0	0	46.40	0.00	0.00	0.00	0.00	0.00	0.00
1969	3	0	0	12.16	0.00	0.00	0.00	0.00	0.00	0.00
1969	4	0	0	63.98	0.00	0.00	0.00	0.00	0.00	0.00
1969	5	0	0	24.99	0.00	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	22.62	0.00	0.00	0.00	0.00	0.00	0.00
1969	7	0	0	21.61	0.00	0.00	0.00	0.00	0.00	0.00
1969	8	0	0	1.38	0.00	0.00	0.00	0.00	0.00	0.00
1969	9	0	0	0.72	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1969	10	0	0	7.46	0.00	0.00	0.00	0.00	0.00	0.00
1969	11	0	0	36.01	0.00	0.00	0.00	0.00	0.00	0.00
1969	12	0	0	25.77	0.00	0.00	0.00	0.00	0.00	0.00
1970	1	0	0	4.45	0.00	0.00	0.00	0.00	0.00	0.00
1970	2	0	0	12.28	0.00	0.00	0.00	0.00	0.00	0.00
1970	3	0	0	14.08	0.00	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	73.45	0.00	0.00	0.00	0.00	0.00	0.00
1970	5	0	0	161.16	0.00	0.00	0.02	0.02	0.02	0.02
1970	6	0	0	9.39	0.00	0.00	0.00	0.00	0.00	0.00
1970	7	0	0	10.32	0.00	0.00	0.00	0.00	0.00	0.00
1970	8	0	0	6.25	0.00	0.00	0.00	0.00	0.00	0.00
1970	9	0	0	8.71	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1970	10	0	0	9.83	0.00	0.00	0.00	0.00	0.00	0.00
1970	11	0	0	36.01	0.00	0.00	0.00	0.00	0.00	0.00
1970	12	0	0	82.92	0.00	0.00	0.00	0.00	0.00	0.00
1971	1	0	0	62.03	0.00	0.00	0.00	0.00	0.00	0.00
1971	2	0	0	49.07	0.00	0.00	0.00	0.00	0.00	0.00
1971	3	0	0	116.40	0.00	0.00	0.00	0.00	0.00	0.00
1971	4	0	0	175.49	0.00	0.00	0.00	0.00	0.00	0.00
1971	5	0	0	101.98	0.00	0.00	0.30	0.29	0.30	0.29
1971	6	0	0	33.91	0.00	0.00	0.09	0.27	0.09	0.27
1971	7	0	0	0.59	0.00	0.00	0.00	0.00	0.00	0.00
1971	8	0	0	4.40	0.00	0.00	0.00	0.00	0.00	0.00
1971	9	0	0	12.23	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1971	10	0	0	14.56	0.00	0.00	0.00	0.00	0.00	0.00
1971	11	0	0	36.01	0.00	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	48.80	0.00	0.00	0.00	0.00	0.00	0.00
1972	1	0	0	32.04	0.00	0.00	0.00	0.00	0.00	0.00
1972	2	0	0	33.10	0.00	0.00	0.00	0.00	0.00	0.00
1972	3	0	0	88.06	0.00	0.00	0.00	0.00	0.00	0.00
1972	4	0	0	42.49	0.00	0.00	0.00	0.00	0.00	0.00
1972	5	0	0	22.15	0.00	0.00	0.00	0.00	0.00	0.00
1972	6	0	0	28.93	0.00	0.00	0.52	1.81	0.52	1.81
1972	7	0	0	27.18	0.00	0.00	0.00	0.00	0.00	0.00
1972	8	0	0	38.04	0.00	0.00	0.04	0.10	0.04	0.10
1972	9	6	6	31.98	7.79	24.37	0.08	0.26	7.87	24.63

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1972	10	31	15	78.36	10.37	13.23	0.03	0.04	10.40	13.28
1972	11	0	0	35.88	0.00	0.00	0.00	0.00	0.00	0.00
1972	12	0	0	31.38	0.00	0.00	0.00	0.00	0.00	0.00
1973	1	0	0	12.85	0.00	0.00	0.00	0.00	0.00	0.00
1973	2	0	0	11.91	0.00	0.00	0.00	0.00	0.00	0.00
1973	3	0	0	58.93	0.00	0.00	0.00	0.00	0.00	0.00
1973	4	0	0	93.91	0.00	0.00	0.00	0.00	0.00	0.00
1973	5	0	0	117.62	0.00	0.00	0.00	0.00	0.00	0.00
1973	6	0	0	26.64	0.00	0.00	0.00	0.00	0.00	0.00
1973	7	0	0	1.84	0.00	0.00	0.00	0.00	0.00	0.00
1973	8	0	0	0.30	0.00	0.00	0.00	0.00	0.00	0.00
1973	9	0	0	0.59	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1973	10	0	0	17.88	0.00	0.00	0.00	0.00	0.00	0.00
1973	11	0	0	36.02	0.00	0.00	0.00	0.00	0.00	0.00
1973	12	0	0	25.08	0.00	0.00	0.00	0.00	0.00	0.00
1974	1	0	0	45.56	0.00	0.00	0.00	0.00	0.00	0.00
1974	2	0	0	73.44	0.00	0.00	0.00	0.00	0.00	0.00
1974	3	0	0	126.02	0.00	0.00	0.00	0.00	0.00	0.00
1974	4	0	0	112.85	0.00	0.00	0.00	0.00	0.00	0.00
1974	5	0	0	98.05	0.00	0.00	0.03	0.03	0.03	0.03
1974	6	0	0	9.65	0.00	0.00	0.00	0.00	0.00	0.00
1974	7	0	0	0.78	0.00	0.00	0.00	0.00	0.00	0.00
1974	8	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1974	9	0	0	0.99	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1974	10	0	0	25.53	0.00	0.00	0.00	0.00	0.00	0.00
1974	11	0	0	36.03	0.00	0.00	0.00	0.00	0.00	0.00
1974	12	0	0	26.96	0.00	0.00	0.00	0.00	0.00	0.00
1975	1	0	0	74.33	0.00	0.00	0.00	0.00	0.00	0.00
1975	2	0	0	68.26	0.00	0.00	0.00	0.00	0.00	0.00
1975	3	0	0	98.39	0.00	0.00	0.00	0.00	0.00	0.00
1975	4	0	0	116.41	0.00	0.00	0.00	0.00	0.00	0.00
1975	5	0	0	44.76	0.00	0.00	0.06	0.14	0.06	0.14
1975	6	0	0	4.65	0.00	0.00	0.00	0.00	0.00	0.00
1975	7	0	0	2.61	0.00	0.00	0.00	0.00	0.00	0.00
1975	8	0	0	8.69	0.00	0.00	0.04	0.49	0.04	0.49
1975	9	0	0	0.59	0.00	0.00	0.04	6.50	0.04	6.50

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1975	10	0	0	3.44	0.00	0.00	0.00	0.00	0.00	0.00
1975	11	0	0	36.02	0.00	0.00	0.00	0.00	0.00	0.00
1975	12	0	0	72.26	0.00	0.00	0.00	0.00	0.00	0.00
1976	1	0	0	59.74	0.00	0.00	0.00	0.00	0.00	0.00
1976	2	0	0	64.66	0.00	0.00	0.00	0.00	0.00	0.00
1976	3	0	0	72.25	0.00	0.00	0.00	0.00	0.00	0.00
1976	4	0	0	114.15	0.00	0.00	0.00	0.00	0.00	0.00
1976	5	0	0	9.99	0.00	0.00	0.00	0.00	0.00	0.00
1976	6	0	0	16.41	0.00	0.00	0.00	0.00	0.00	0.00
1976	7	0	0	18.79	0.00	0.00	0.00	0.00	0.00	0.00
1976	8	0	0	2.58	0.00	0.00	0.00	0.00	0.00	0.00
1976	9	0	0	2.28	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1976	10	0	0	64.60	0.00	0.00	0.00	0.00	0.00	0.00
1976	11	0	0	35.89	0.00	0.00	0.00	0.00	0.00	0.00
1976	12	0	0	21.67	0.00	0.00	0.00	0.00	0.00	0.00
1977	1	0	0	1.57	0.00	0.00	0.00	0.00	0.00	0.00
1977	2	0	0	51.29	0.00	0.00	0.00	0.00	0.00	0.00
1977	3	0	0	106.31	0.00	0.00	0.00	0.00	0.00	0.00
1977	4	0	0	138.29	0.00	0.00	0.00	0.00	0.00	0.00
1977	5	0	0	43.82	0.00	0.00	0.05	0.11	0.05	0.11
1977	6	0	0	60.28	0.00	0.00	0.01	0.02	0.01	0.02
1977	7	0	0	18.13	0.00	0.00	0.00	0.00	0.00	0.00
1977	8	0	0	7.28	0.00	0.00	0.00	0.00	0.00	0.00
1977	9	0	0	0.12	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1977	10	0	0	65.43	0.00	0.00	0.00	0.00	0.00	0.00
1977	11	0	0	36.04	0.00	0.00	0.00	0.00	0.00	0.00
1977	12	0	0	7.13	0.00	0.00	0.00	0.00	0.00	0.00
1978	1	0	0	6.73	0.00	0.00	0.00	0.00	0.00	0.00
1978	2	0	0	24.86	0.00	0.00	0.00	0.00	0.00	0.00
1978	3	0	0	48.22	0.00	0.00	0.00	0.00	0.00	0.00
1978	4	0	0	108.64	0.00	0.00	0.00	0.00	0.00	0.00
1978	5	0	0	17.74	0.00	0.00	0.00	0.00	0.00	0.00
1978	6	0	0	20.75	0.00	0.00	0.00	0.00	0.00	0.00
1978	7	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1978	8	0	0	0.08	0.00	0.00	0.00	0.00	0.00	0.00
1978	9	0	0	1.88	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1978	10	0	0	8.69	0.00	0.00	0.00	0.00	0.00	0.00
1978	11	0	0	36.02	0.00	0.00	0.00	0.00	0.00	0.00
1978	12	0	0	17.70	0.00	0.00	0.00	0.00	0.00	0.00
1979	1	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1979	2	0	0	39.69	0.00	0.00	0.00	0.00	0.00	0.00
1979	3	0	0	73.29	0.00	0.00	0.00	0.00	0.00	0.00
1979	4	0	0	115.09	0.00	0.00	0.00	0.00	0.00	0.00
1979	5	0	0	0.27	0.00	0.00	0.00	0.00	0.00	0.00
1979	6	0	0	154.53	0.00	0.00	1.65	1.07	1.65	1.07
1979	7	0	0	21.80	0.00	0.00	0.00	0.00	0.00	0.00
1979	8	0	0	7.50	0.00	0.00	0.01	0.11	0.01	0.11
1979	9	0	0	0.32	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1979	10	0	0	12.81	0.00	0.00	0.00	0.00	0.00	0.00
1979	11	0	0	36.03	0.00	0.00	0.00	0.00	0.00	0.00
1979	12	0	0	22.62	0.00	0.00	0.00	0.00	0.00	0.00
1980	1	0	0	36.43	0.00	0.00	0.00	0.00	0.00	0.00
1980	2	0	0	11.30	0.00	0.00	0.00	0.00	0.00	0.00
1980	3	0	0	64.84	0.00	0.00	0.00	0.00	0.00	0.00
1980	4	0	0	13.00	0.00	0.00	0.00	0.00	0.00	0.00
1980	5	0	0	97.94	0.00	0.00	0.00	0.00	0.00	0.00
1980	6	0	0	129.92	0.00	0.00	1.07	0.83	1.07	0.83
1980	7	0	0	14.40	0.00	0.00	0.00	0.00	0.00	0.00
1980	8	0	0	7.35	0.00	0.00	0.04	0.60	0.04	0.60
1980	9	0	0	2.73	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1980	10	24	11	75.32	8.23	10.92	0.00	0.00	8.23	10.92
1980	11	0	0	35.87	0.00	0.00	0.00	0.00	0.00	0.00
1980	12	0	0	46.80	0.00	0.00	0.00	0.00	0.00	0.00
1981	1	0	0	65.08	0.00	0.00	0.00	0.00	0.00	0.00
1981	2	0	0	28.82	0.00	0.00	0.00	0.00	0.00	0.00
1981	3	0	0	79.67	0.00	0.00	0.00	0.00	0.00	0.00
1981	4	0	0	157.37	0.00	0.00	0.02	0.01	0.02	0.01
1981	5	0	0	149.11	0.00	0.00	0.26	0.18	0.26	0.18
1981	6	0	0	70.10	0.00	0.00	0.58	0.83	0.58	0.83
1981	7	21	7	64.36	19.85	30.84	0.00	0.00	19.85	30.84
1981	8	31	0	2.01	0.00	0.00	0.00	0.00	0.00	0.00
1981	9	30	0	1.91	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1981	10	31	25	101.07	21.77	21.54	0.00	0.00	21.77	21.54
1981	11	0	0	36.02	0.00	0.00	0.00	0.00	0.00	0.00
1981	12	0	0	83.85	0.00	0.00	0.00	0.00	0.00	0.00
1982	1	0	0	58.21	0.00	0.00	0.00	0.00	0.00	0.00
1982	2	0	0	19.78	0.00	0.00	0.00	0.00	0.00	0.00
1982	3	0	0	29.47	0.00	0.00	0.00	0.00	0.00	0.00
1982	4	0	0	10.75	0.00	0.00	0.00	0.00	0.00	0.00
1982	5	0	0	106.05	0.00	0.00	0.00	0.00	0.00	0.00
1982	6	0	0	19.10	0.00	0.00	0.06	0.31	0.06	0.31
1982	7	0	0	4.49	0.00	0.00	0.00	0.00	0.00	0.00
1982	8	0	0	2.24	0.00	0.00	0.00	0.00	0.00	0.00
1982	9	0	0	5.12	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1982	10	0	0	13.15	0.00	0.00	0.00	0.00	0.00	0.00
1982	11	0	0	36.03	0.00	0.00	0.00	0.00	0.00	0.00
1982	12	0	0	46.69	0.00	0.00	0.00	0.00	0.00	0.00
1983	1	0	0	22.29	0.00	0.00	0.00	0.00	0.00	0.00
1983	2	0	0	0.28	0.00	0.00	0.00	0.00	0.00	0.00
1983	3	0	0	0.07	0.00	0.00	0.00	0.00	0.00	0.00
1983	4	0	0	28.75	0.00	0.00	0.00	0.00	0.00	0.00
1983	5	0	0	207.00	0.00	0.00	0.02	0.01	0.02	0.01
1983	6	0	0	27.31	0.00	0.00	0.00	0.00	0.00	0.00
1983	7	0	0	32.83	0.00	0.00	0.00	0.00	0.00	0.00
1983	8	0	0	5.47	0.00	0.00	0.00	0.00	0.00	0.00
1983	9	0	0	6.01	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1983	10	0	0	3.26	0.00	0.00	0.00	0.00	0.00	0.00
1983	11	0	0	36.01	0.00	0.00	0.00	0.00	0.00	0.00
1983	12	0	0	18.07	0.00	0.00	0.00	0.00	0.00	0.00
1984	1	0	0	29.08	0.00	0.00	0.00	0.00	0.00	0.00
1984	2	0	0	31.97	0.00	0.00	0.00	0.00	0.00	0.00
1984	3	0	0	15.27	0.00	0.00	0.00	0.00	0.00	0.00
1984	4	0	0	48.21	0.00	0.00	0.00	0.00	0.00	0.00
1984	5	0	0	119.13	0.00	0.00	0.00	0.00	0.00	0.00
1984	6	0	0	50.80	0.00	0.00	0.10	0.21	0.10	0.21
1984	7	0	0	0.97	0.00	0.00	0.00	0.00	0.00	0.00
1984	8	0	0	16.04	0.00	0.00	0.00	0.00	0.00	0.00
1984	9	0	0	14.22	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1984	10	0	0	50.87	0.00	0.00	0.00	0.00	0.00	0.00
1984	11	0	0	35.86	0.00	0.00	0.00	0.00	0.00	0.00
1984	12	0	0	53.20	0.00	0.00	0.00	0.00	0.00	0.00
1985	1	0	0	58.68	0.00	0.00	0.00	0.00	0.00	0.00
1985	2	0	0	90.59	0.00	0.00	0.00	0.00	0.00	0.00
1985	3	0	0	81.85	0.00	0.00	0.00	0.00	0.00	0.00
1985	4	0	0	28.70	0.00	0.00	0.00	0.00	0.00	0.00
1985	5	0	0	112.11	0.00	0.00	0.00	0.00	0.00	0.00
1985	6	0	0	100.13	0.00	0.00	2.06	2.06	2.06	2.06
1985	7	0	0	5.08	0.00	0.00	0.00	0.00	0.00	0.00
1985	8	22	0	2.04	0.00	0.00	0.00	0.00	0.00	0.00
1985	9	19	0	0.30	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1985	10	0	0	7.99	0.00	0.00	0.00	0.00	0.00	0.00
1985	11	0	0	36.01	0.00	0.00	0.00	0.00	0.00	0.00
1985	12	0	0	18.11	0.00	0.00	0.00	0.00	0.00	0.00
1986	1	0	0	11.60	0.00	0.00	0.00	0.00	0.00	0.00
1986	2	0	0	45.37	0.00	0.00	0.00	0.00	0.00	0.00
1986	3	0	0	18.19	0.00	0.00	0.00	0.00	0.00	0.00
1986	4	0	0	138.06	0.00	0.00	0.00	0.00	0.00	0.00
1986	5	0	0	132.84	0.00	0.00	0.07	0.05	0.07	0.05
1986	6	0	0	18.72	0.00	0.00	0.00	0.00	0.00	0.00
1986	7	0	0	3.14	0.00	0.00	0.00	0.00	0.00	0.00
1986	8	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1986	9	0	0	5.42	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1986	10	0	0	29.71	0.00	0.00	0.00	0.00	0.00	0.00
1986	11	0	0	36.02	0.00	0.00	0.00	0.00	0.00	0.00
1986	12	0	0	36.94	0.00	0.00	0.00	0.00	0.00	0.00
1987	1	0	0	11.32	0.00	0.00	0.00	0.00	0.00	0.00
1987	2	0	0	19.58	0.00	0.00	0.00	0.00	0.00	0.00
1987	3	0	0	19.15	0.00	0.00	0.00	0.00	0.00	0.00
1987	4	0	0	107.24	0.00	0.00	0.02	0.02	0.02	0.02
1987	5	0	0	111.09	0.00	0.00	0.00	0.00	0.00	0.00
1987	6	0	0	114.00	0.00	0.00	0.25	0.22	0.25	0.22
1987	7	0	0	13.32	0.00	0.00	0.00	0.00	0.00	0.00
1987	8	0	0	45.42	0.00	0.00	0.00	0.00	0.00	0.00
1987	9	24	3	10.38	2.29	22.04	0.00	0.00	2.29	22.04

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1987	10	13	0	17.42	0.00	0.00	0.00	0.00	0.00	0.00
1987	11	0	0	36.03	0.00	0.00	0.00	0.00	0.00	0.00
1987	12	0	0	44.79	0.00	0.00	0.00	0.00	0.00	0.00
1988	1	0	0	10.99	0.00	0.00	0.00	0.00	0.00	0.00
1988	2	0	0	12.10	0.00	0.00	0.00	0.00	0.00	0.00
1988	3	0	0	25.23	0.00	0.00	0.00	0.00	0.00	0.00
1988	4	0	0	135.91	0.00	0.00	0.00	0.00	0.00	0.00
1988	5	0	0	109.34	0.00	0.00	0.00	0.00	0.00	0.00
1988	6	0	0	55.20	0.00	0.00	0.25	0.45	0.25	0.45
1988	7	0	0	6.53	0.00	0.00	0.00	0.00	0.00	0.00
1988	8	0	0	0.02	0.00	0.00	0.00	0.00	0.00	0.00
1988	9	0	0	45.30	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1988	10	0	0	120.58	0.00	0.00	0.00	0.00	0.00	0.00
1988	11	0	0	35.88	0.00	0.00	0.00	0.00	0.00	0.00
1988	12	0	0	47.55	0.00	0.00	0.00	0.00	0.00	0.00
1989	1	0	0	51.94	0.00	0.00	0.00	0.00	0.00	0.00
1989	2	0	0	86.54	0.00	0.00	0.00	0.00	0.00	0.00
1989	3	0	0	52.81	0.00	0.00	0.00	0.00	0.00	0.00
1989	4	0	0	45.35	0.00	0.00	0.00	0.00	0.00	0.00
1989	5	0	0	130.17	0.00	0.00	0.00	0.00	0.00	0.00
1989	6	0	0	117.44	0.00	0.00	3.90	3.32	3.90	3.32
1989	7	3	0	29.97	0.00	0.00	0.00	0.00	0.00	0.00
1989	8	31	1	5.07	0.01	0.22	0.00	0.00	0.01	0.22
1989	9	30	0	0.85	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1989	10	31	0	13.94	0.00	0.00	0.00	0.00	0.00	0.00
1989	11	0	0	36.02	0.00	0.00	0.00	0.00	0.00	0.00
1989	12	0	0	31.32	0.00	0.00	0.00	0.00	0.00	0.00
1990	1	0	0	57.26	0.00	0.00	0.00	0.00	0.00	0.00
1990	2	0	0	11.89	0.00	0.00	0.00	0.00	0.00	0.00
1990	3	0	0	68.38	0.00	0.00	0.00	0.00	0.00	0.00
1990	4	0	0	92.25	0.00	0.00	0.00	0.00	0.00	0.00
1990	5	0	0	47.45	0.00	0.00	0.00	0.00	0.00	0.00
1990	6	0	0	56.45	0.00	0.00	1.48	2.62	1.48	2.62
1990	7	0	0	4.98	0.00	0.00	0.00	0.00	0.00	0.00
1990	8	0	0	2.47	0.00	0.00	0.00	0.00	0.00	0.00
1990	9	0	0	19.20	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1990	10	0	0	14.28	0.00	0.00	0.00	0.00	0.00	0.00
1990	11	0	0	36.02	0.00	0.00	0.00	0.00	0.00	0.00
1990	12	0	0	74.39	0.00	0.00	0.00	0.00	0.00	0.00
1991	1	0	0	4.79	0.00	0.00	0.00	0.00	0.00	0.00
1991	2	0	0	26.43	0.00	0.00	0.00	0.00	0.00	0.00
1991	3	0	0	54.56	0.00	0.00	0.00	0.00	0.00	0.00
1991	4	0	0	3.85	0.00	0.00	0.00	0.00	0.00	0.00
1991	5	0	0	49.76	0.00	0.00	0.00	0.00	0.00	0.00
1991	6	0	0	15.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	7	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	8	0	0	8.05	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	0	0	4.96	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1991	10	0	0	11.75	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	0	0	36.02	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	0	0	42.44	0.00	0.00	0.00	0.00	0.00	0.00
1992	1	0	0	19.31	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	0	0	22.32	0.00	0.00	0.00	0.00	0.00	0.00
1992	3	0	0	31.16	0.00	0.00	0.00	0.00	0.00	0.00
1992	4	0	0	6.80	0.00	0.00	0.00	0.00	0.00	0.00
1992	5	0	0	204.66	0.00	0.00	0.12	0.06	0.12	0.06
1992	6	0	0	21.37	0.00	0.00	0.42	1.96	0.42	1.96
1992	7	0	0	17.07	0.00	0.00	0.00	0.00	0.00	0.00
1992	8	0	0	6.23	0.00	0.00	0.00	0.00	0.00	0.00
1992	9	0	0	0.90	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1992	10	0	0	50.83	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0	0	35.88	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	0	0	45.98	0.00	0.00	0.00	0.00	0.00	0.00
1993	1	0	0	0.19	0.00	0.00	0.00	0.00	0.00	0.00
1993	2	0	0	7.28	0.00	0.00	0.00	0.00	0.00	0.00
1993	3	0	0	19.70	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0	0	55.85	0.00	0.00	0.00	0.00	0.00	0.00
1993	5	0	0	181.37	0.00	0.00	0.01	0.00	0.01	0.00
1993	6	0	0	38.99	0.00	0.00	0.00	0.00	0.00	0.00
1993	7	0	0	43.66	0.00	0.00	0.00	0.00	0.00	0.00
1993	8	0	0	40.30	0.00	0.00	0.00	0.00	0.00	0.00
1993	9	0	0	2.61	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1993	10	0	0	3.04	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	0	0	36.01	0.00	0.00	0.00	0.00	0.00	0.00
1993	12	0	0	53.11	0.00	0.00	0.00	0.00	0.00	0.00
1994	1	0	0	6.96	0.00	0.00	0.00	0.00	0.00	0.00
1994	2	0	0	8.24	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0	0	43.51	0.00	0.00	0.00	0.00	0.00	0.00
1994	4	0	0	48.92	0.00	0.00	0.00	0.00	0.00	0.00
1994	5	0	0	97.53	0.00	0.00	0.00	0.00	0.00	0.00
1994	6	0	0	18.41	0.00	0.00	0.00	0.00	0.00	0.00
1994	7	0	0	16.51	0.00	0.00	0.00	0.00	0.00	0.00
1994	8	0	0	0.17	0.00	0.00	0.00	0.00	0.00	0.00
1994	9	0	0	0.55	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1994	10	0	0	7.08	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	0	0	36.01	0.00	0.00	0.00	0.00	0.00	0.00
1994	12	0	0	0.45	0.00	0.00	0.00	0.00	0.00	0.00
1995	1	0	0	3.49	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	0	0	7.84	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	0	0	30.44	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0	0	73.24	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0	0	92.13	0.00	0.00	0.00	0.00	0.00	0.00
1995	6	0	0	25.18	0.00	0.00	0.29	1.17	0.29	1.17
1995	7	0	0	11.65	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	0	0	1.86	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	0	0	10.26	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1995	10	0	0	0.58	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	0	0	36.02	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	0	0	32.23	0.00	0.00	0.00	0.00	0.00	0.00
1996	1	0	0	12.50	0.00	0.00	0.00	0.00	0.00	0.00
1996	2	0	0	73.56	0.00	0.00	0.00	0.00	0.00	0.00
1996	3	0	0	33.79	0.00	0.00	0.00	0.00	0.00	0.00
1996	4	0	0	59.97	0.00	0.00	0.00	0.00	0.00	0.00
1996	5	0	0	34.66	0.00	0.00	0.00	0.00	0.00	0.00
1996	6	0	0	2.82	0.00	0.00	0.00	0.00	0.00	0.00
1996	7	0	0	55.39	0.00	0.00	0.00	0.00	0.00	0.00
1996	8	0	0	13.69	0.00	0.00	0.00	0.00	0.00	0.00
1996	9	0	0	28.62	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1996	10	0	0	16.02	0.00	0.00	0.00	0.00	0.00	0.00
1996	11	0	0	35.88	0.00	0.00	0.00	0.00	0.00	0.00
1996	12	0	0	68.94	0.00	0.00	0.00	0.00	0.00	0.00
1997	1	0	0	41.81	0.00	0.00	0.00	0.00	0.00	0.00
1997	2	0	0	46.09	0.00	0.00	0.04	0.08	0.04	0.08
1997	3	0	0	59.46	0.00	0.00	0.04	0.07	0.04	0.07
1997	4	0	0	31.54	0.00	0.00	0.00	0.00	0.00	0.00
1997	5	0	0	17.84	0.00	0.00	0.00	0.00	0.00	0.00
1997	6	0	0	31.71	0.00	0.00	0.58	1.84	0.58	1.84
1997	7	0	0	12.24	0.00	0.00	0.00	0.00	0.00	0.00
1997	8	0	0	1.95	0.00	0.00	0.00	0.00	0.00	0.00
1997	9	0	0	6.12	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1997	10	0	0	46.63	0.00	0.00	0.00	0.00	0.00	0.00
1997	11	0	0	36.04	0.00	0.00	0.00	0.00	0.00	0.00
1997	12	0	0	0.30	0.00	0.00	0.00	0.00	0.00	0.00
1998	1	0	0	2.15	0.00	0.00	0.00	0.00	0.00	0.00
1998	2	0	0	1.96	0.00	0.00	0.00	0.00	0.00	0.00
1998	3	0	0	4.60	0.00	0.00	0.00	0.00	0.00	0.00
1998	4	0	0	92.39	0.00	0.00	0.00	0.00	0.00	0.00
1998	5	0	0	132.34	0.00	0.00	0.15	0.12	0.15	0.12
1998	6	0	0	153.04	0.00	0.00	1.46	0.96	1.46	0.96
1998	7	0	0	23.78	0.00	0.00	0.00	0.00	0.00	0.00
1998	8	0	0	7.98	0.00	0.00	0.06	0.74	0.06	0.74
1998	9	0	0	1.77	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1998	10	0	0	23.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	11	0	0	36.03	0.00	0.00	0.00	0.00	0.00	0.00
1998	12	0	0	32.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	1	0	0	10.23	0.00	0.00	0.00	0.00	0.00	0.00
1999	2	0	0	45.48	0.00	0.00	0.00	0.00	0.00	0.00
1999	3	0	0	123.54	0.00	0.00	0.00	0.00	0.00	0.00
1999	4	0	0	130.19	0.00	0.00	0.00	0.00	0.00	0.00
1999	5	0	0	90.35	0.00	0.00	0.29	0.32	0.29	0.32
1999	6	0	0	6.34	0.00	0.00	0.00	0.00	0.00	0.00
1999	7	0	0	8.98	0.00	0.00	0.00	0.00	0.00	0.00
1999	8	0	0	14.05	0.00	0.00	0.00	0.00	0.00	0.00
1999	9	0	0	0.81	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1999	10	0	0	0.42	0.00	0.00	0.00	0.00	0.00	0.00
1999	11	0	0	36.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	12	0	0	47.05	0.00	0.00	0.00	0.00	0.00	0.00
2000	1	0	0	59.98	0.00	0.00	0.00	0.00	0.00	0.00
2000	2	0	0	64.97	0.00	0.00	0.00	0.00	0.00	0.00
2000	3	0	0	72.41	0.00	0.00	0.00	0.00	0.00	0.00
2000	4	0	0	69.71	0.00	0.00	0.00	0.00	0.00	0.00
2000	5	0	0	184.25	0.00	0.00	0.14	0.07	0.14	0.07
2000	6	8	1	151.70	2.17	1.43	1.13	0.74	3.30	2.18
2000	7	31	0	1.92	0.00	0.00	0.00	0.00	0.00	0.00
2000	8	31	15	49.84	33.45	67.11	0.00	0.00	33.45	67.11
2000	9	30	3	4.69	1.37	29.12	0.00	0.00	1.37	29.12

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
2000	10	31	10	42.37	7.85	18.53	0.00	0.00	7.85	18.53
2000	11	0	0	35.87	0.00	0.00	0.00	0.00	0.00	0.00
2000	12	0	0	72.16	0.00	0.00	0.00	0.00	0.00	0.00
2001	1	0	0	56.26	0.00	0.00	0.00	0.00	0.00	0.00
2001	2	0	0	95.94	0.00	0.00	0.00	0.00	0.00	0.00
2001	3	0	0	60.88	0.00	0.00	0.00	0.00	0.00	0.00
2001	4	0	0	121.92	0.00	0.00	0.00	0.00	0.00	0.00
2001	5	0	0	142.86	0.00	0.00	1.00	0.70	1.00	0.70
2001	6	0	0	43.29	0.00	0.00	0.02	0.05	0.02	0.05
2001	7	0	0	10.70	0.00	0.00	0.00	0.00	0.00	0.00
2001	8	0	0	23.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	9	0	0	5.49	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
2001	10	0	0	9.95	0.00	0.00	0.00	0.00	0.00	0.00
2001	11	0	0	36.01	0.00	0.00	0.00	0.00	0.00	0.00
2001	12	0	0	40.66	0.00	0.00	0.00	0.00	0.00	0.00
2002	1	0	0	28.29	0.00	0.00	0.00	0.00	0.00	0.00
2002	2	0	0	30.42	0.00	0.00	0.00	0.00	0.00	0.00
2002	3	0	0	78.81	0.00	0.00	0.00	0.00	0.00	0.00
2002	4	0	0	107.15	0.00	0.00	0.00	0.00	0.00	0.00
2002	5	0	0	155.39	0.00	0.00	0.05	0.03	0.05	0.03
2002	6	0	0	64.47	0.00	0.00	0.14	0.21	0.14	0.21
2002	7	0	0	12.06	0.00	0.00	0.00	0.00	0.00	0.00
2002	8	0	0	12.99	0.00	0.00	0.00	0.00	0.00	0.00
2002	9	0	0	10.58	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
2002	10	0	0	11.80	0.00	0.00	0.00	0.00	0.00	0.00
2002	11	0	0	36.02	0.00	0.00	0.00	0.00	0.00	0.00
2002	12	0	0	7.02	0.00	0.00	0.00	0.00	0.00	0.00
2003	1	0	0	43.84	0.00	0.00	0.00	0.00	0.00	0.00
2003	2	0	0	56.35	0.00	0.00	0.00	0.00	0.00	0.00
2003	3	0	0	34.82	0.00	0.00	0.00	0.00	0.00	0.00
2003	4	0	0	68.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	5	0	0	55.21	0.00	0.00	0.00	0.00	0.00	0.00
2003	6	0	0	15.40	0.00	0.00	0.00	0.00	0.00	0.00
2003	7	0	0	13.80	0.00	0.00	0.00	0.00	0.00	0.00
2003	8	0	0	0.01	0.00	0.00	0.00	0.00	0.00	0.00
2003	9	0	0	1.20	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
2003	10	0	0	40.31	0.00	0.00	0.00	0.00	0.00	0.00
2003	11	0	0	36.06	0.00	0.00	0.00	0.00	0.00	0.00
2003	12	0	0	25.37	0.00	0.00	0.00	0.00	0.00	0.00
2004	1	0	0	41.97	0.00	0.00	0.00	0.00	0.00	0.00
2004	2	0	0	17.20	0.00	0.00	0.00	0.00	0.00	0.00
2004	3	0	0	99.73	0.00	0.00	0.00	0.00	0.00	0.00
2004	4	0	0	99.22	0.00	0.00	0.00	0.00	0.00	0.00
2004	5	0	0	198.33	0.00	0.00	0.84	0.42	0.84	0.42
2004	6	0	0	51.91	0.00	0.00	0.04	0.07	0.04	0.07
2004	7	5	0	37.32	0.00	0.00	0.03	0.09	0.03	0.09
2004	8	11	0	0.23	0.00	0.00	0.16	67.43	0.16	67.43
2004	9	0	0	0.30	0.00	0.00	0.06	19.01	0.06	19.01

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
2004	10	0	0	8.32	0.00	0.00	0.00	0.00	0.00	0.00
2004	11	0	0	35.89	0.00	0.00	0.00	0.00	0.00	0.00
2004	12	0	0	55.17	0.00	0.00	0.00	0.00	0.00	0.00
2005	1	0	0	43.28	0.00	0.00	0.00	0.00	0.00	0.00
2005	2	0	0	79.17	0.00	0.00	0.00	0.00	0.00	0.00
2005	3	0	0	0.40	0.00	0.00	0.00	0.00	0.00	0.00
2005	4	0	0	59.02	0.00	0.00	0.00	0.00	0.00	0.00
2005	5	0	0	66.68	0.00	0.00	0.01	0.02	0.01	0.02
2005	6	0	0	4.34	0.00	0.00	0.00	0.00	0.00	0.00
2005	7	0	0	19.67	0.00	0.00	0.00	0.00	0.00	0.00
2005	8	0	0	5.98	0.00	0.00	0.00	0.00	0.00	0.00
2005	9	0	0	12.73	0.00	0.00	0.00	0.00	0.00	0.00

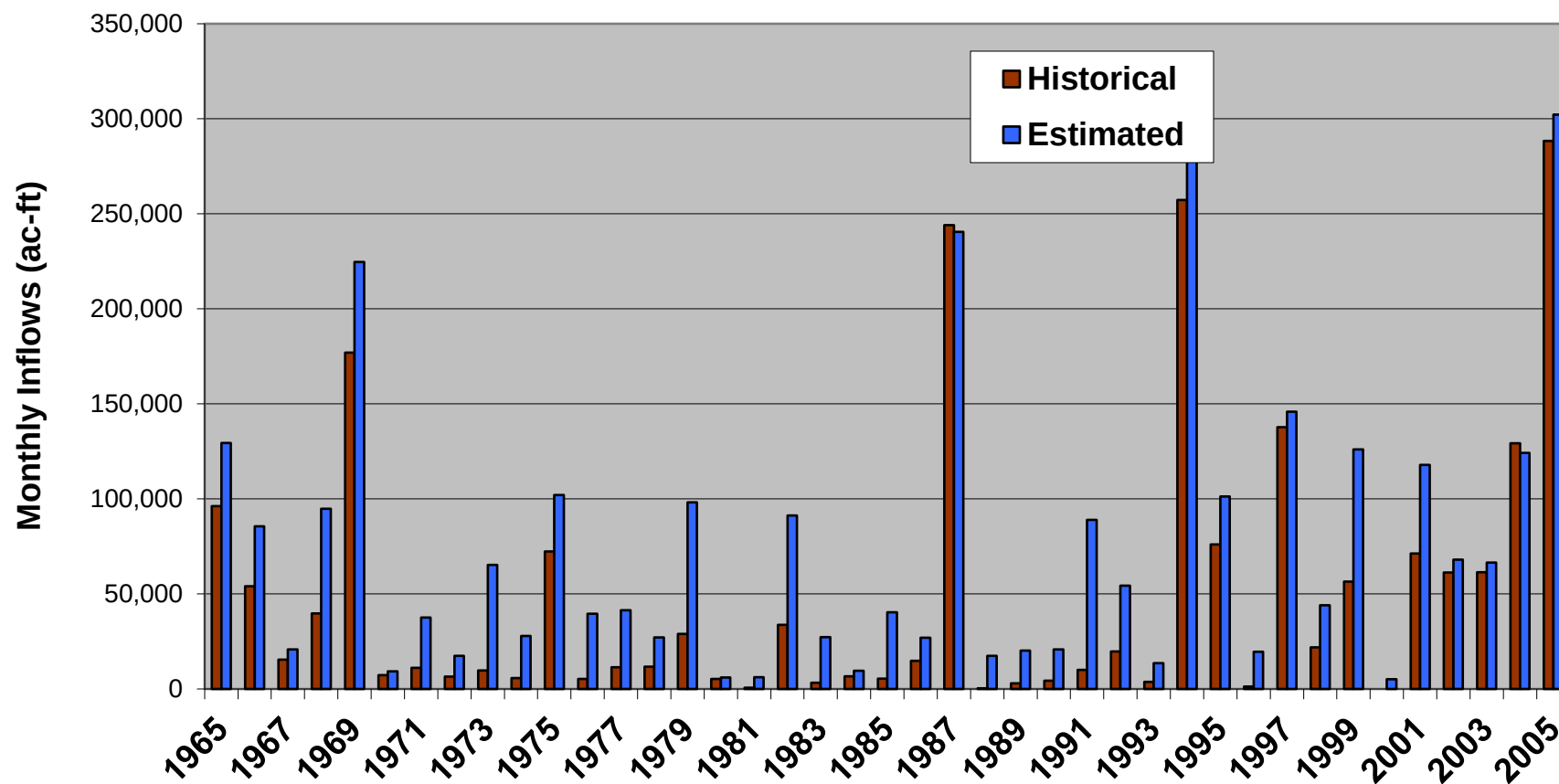
Annual Supply Side Management Results
for the Lake Okeechobee Service Area
Report by Water Years Oct-Sep
(Volumes in 1000 ac-ft)

Run:
SFWMM v6.7.4 - December 1, 2023 DPA1 TTFF Final LOK Stage 15.98

Note: SSM stands for Supply Side Management
SSMwC.B. stands for Supply Side Management with cutback

Wat_Year	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1966	0	0	270.07	0.00	0.00	0.01	0.00	0.01	0.00
1967	23	5	665.35	3.00	0.45	0.88	0.13	3.89	0.58
1968	6	0	426.96	0.00	0.00	0.00	0.00	0.00	0.00
1969	0	0	337.03	0.00	0.00	0.00	0.00	0.00	0.00
1970	0	0	369.33	0.00	0.00	0.02	0.01	0.02	0.01
1971	0	0	684.87	0.00	0.00	0.39	0.06	0.39	0.06
1972	6	6	443.35	7.79	1.76	0.65	0.15	8.44	1.90
1973	31	15	470.20	10.37	2.20	0.04	0.01	10.40	2.21
1974	0	0	546.32	0.00	0.00	0.03	0.00	0.03	0.00
1975	0	0	507.21	0.00	0.00	0.14	0.03	0.14	0.03
1976	0	0	472.56	0.00	0.00	0.00	0.00	0.00	0.00
1977	0	0	549.23	0.00	0.00	0.06	0.01	0.06	0.01
1978	0	0	338.57	0.00	0.00	0.00	0.00	0.00	0.00
1979	0	0	474.91	0.00	0.00	1.66	0.35	1.66	0.35
1980	0	0	449.36	0.00	0.00	1.12	0.25	1.12	0.25
1981	106	18	776.43	28.08	3.62	0.86	0.11	28.94	3.73
1982	31	25	476.16	21.77	4.57	0.06	0.01	21.83	4.59
1983	0	0	425.88	0.00	0.00	0.02	0.00	0.02	0.00
1984	0	0	383.06	0.00	0.00	0.10	0.03	0.10	0.03
1985	41	0	619.42	0.00	0.00	2.06	0.33	2.06	0.33
1986	0	0	435.43	0.00	0.00	0.07	0.02	0.07	0.02
1987	24	3	554.17	2.29	0.41	0.28	0.05	2.57	0.46
1988	13	0	498.86	0.00	0.00	0.25	0.05	0.25	0.05
1989	64	1	724.17	0.01	0.00	3.90	0.54	3.91	0.54
1990	31	0	441.60	0.00	0.00	1.48	0.33	1.48	0.33
1991	0	0	292.08	0.00	0.00	0.00	0.00	0.00	0.00
1992	0	0	420.03	0.00	0.00	0.54	0.13	0.54	0.13
1993	0	0	522.64	0.00	0.00	0.01	0.00	0.01	0.00
1994	0	0	332.97	0.00	0.00	0.00	0.00	0.00	0.00
1995	0	0	299.64	0.00	0.00	0.29	0.10	0.29	0.10
1996	0	0	383.85	0.00	0.00	0.00	0.00	0.00	0.00
1997	0	0	369.59	0.00	0.00	0.67	0.18	0.67	0.18
1998	0	0	503.00	0.00	0.00	1.68	0.33	1.68	0.33
1999	0	0	520.98	0.00	0.00	0.29	0.05	0.29	0.05
2000	100	19	742.95	36.99	4.98	1.26	0.17	38.25	5.15
2001	31	10	710.74	7.85	1.10	1.02	0.14	8.87	1.25
2002	0	0	586.78	0.00	0.00	0.19	0.03	0.19	0.03
2003	0	0	343.47	0.00	0.00	0.00	0.00	0.00	0.00
2004	16	0	647.94	0.00	0.00	1.12	0.17	1.12	0.17
2005	0	0	390.64	0.00	0.00	0.01	0.00	0.01	0.00

December 2023 Dynamic Position Analysis Historical and Estimated S-65E Monthly Flow for December from 1965 - 2005



**December 2023 Dynamic Position Analysis
Historical and Estimated S-65E Monthly Flow
for January from 1965 - 2005**

