

Dynamic Position Analysis for January 17, 2020

SFWMM Model Simulation of 41 years (1965-2005)

[Modeling Assumptions](#)

[Discussion of UPA Results](#)

- [Lake Okeechobee Projection within the Next 2 Months](#)
- Lake Okeechobee
 - [Percentiles](#)
 - [Dry Years](#)
 - [Wet Years](#)
 - [AMO / ENSO Sub-Sampling](#)
 - [Spaghetti Plot](#)
 - [All ENSO Years](#)
- Lake Okeechobee Probability Results
 - [Zone Probability Graphs](#)
 - [Probability Band Width Graph](#)
 - [Zone Probability Table](#)
 - [LORS Releases to the Estuaries](#)
 - [LORS Releases to the WCA's](#)
- WCA-1
 - [Percentiles](#)
 - [Dry Years](#)
 - [Wet Years](#)
 - [Canal Sub-Sampling Years](#)
 - [AMO / ENSO Sub-Sampling](#)
- WCA-2A
 - [Percentiles](#)
 - [Dry Years](#)
 - [Wet Years](#)
 - [Canal Sub-Sampling Years](#)
 - [AMO / ENSO Sub-Sampling](#)
- WCA-3A
 - [Percentiles](#)
 - [Dry Years](#)
 - [Wet Years](#)
 - [Canal Sub-Sampling Years](#)
 - [AMO / ENSO Sub-Sampling](#)
- Upper Kissimmee Stage and Flow
 - [Lake Kissimmee Stage at S65](#)
 - [Lake Toho Stage at S61](#)

January 17, 2020
Dynamic Position Analysis
Using Hybrid LOWSM
Modeling Assumptions

- January 17, 2020 DPA is based on regular Position Analysis applying V6.7.4 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 January 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.
- STAs reflect current operational conditions
- 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 are present and favored through spring 2020 (~60% chance), continuing through summer 2020 (~50% chance).
- 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:

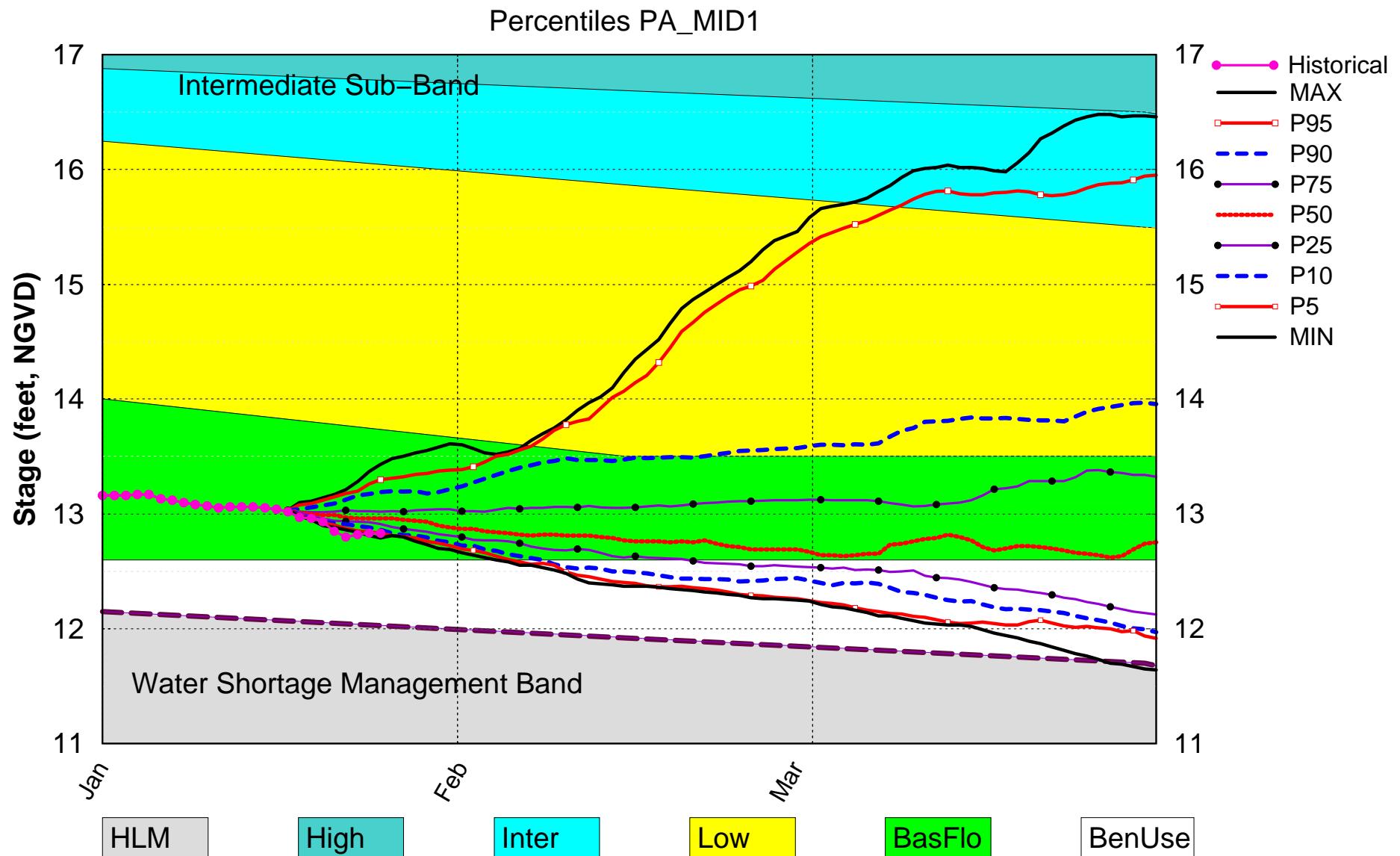
https://origin.cpc.ncep.noaa.gov/products/analysis_monitoring/ensostuff/ONI_v5.php

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).
- Operations for structures in the SDCS are more consistent with Increment 1.1/1.2
- Temporary deviation of operations:
 1. L-29 Canal constraint of 8.5
 2. S-357 discharging to C-111SD Northern Detention Area
- Information for the initial conditions can be viewed [here](#). Initial stages for specified canals are shown [here](#) and gages are shown [here](#).
- Please view the [Documentation for the SFWMM](#).

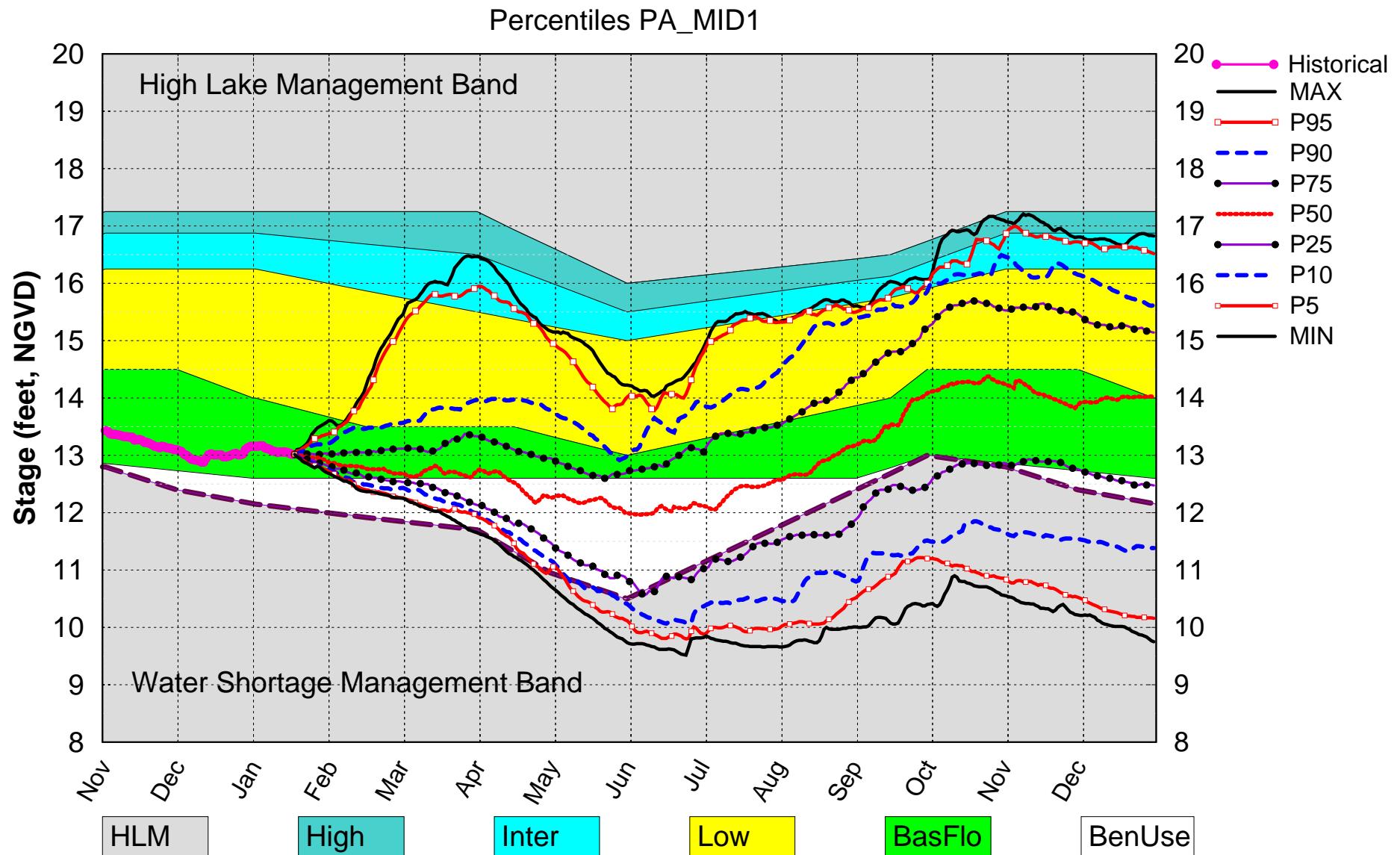
[**Back to Operational Planning Main Page**](#)

Lake Okeechobee SFWMM Jan 2020 Mid-Month Position Analysis



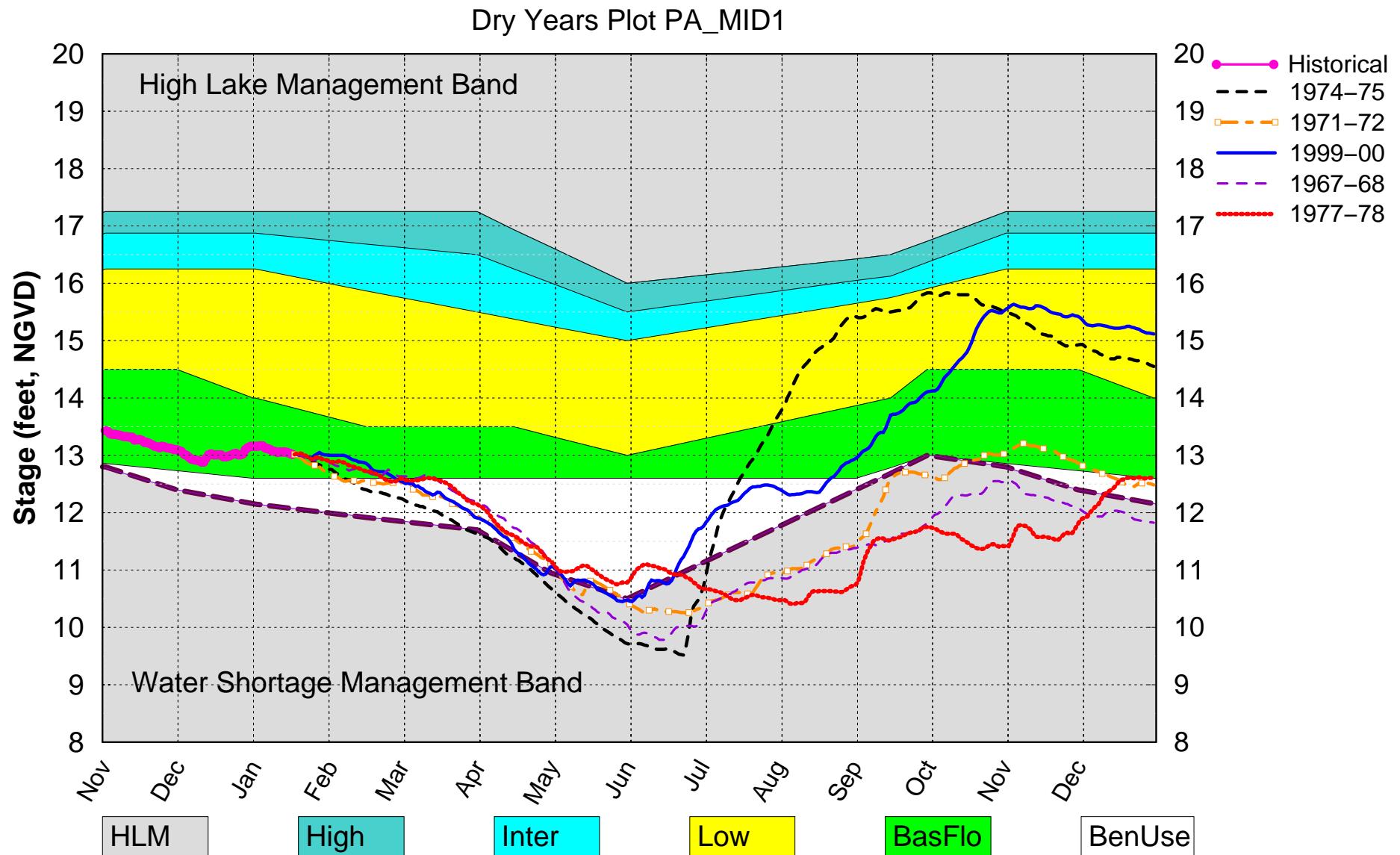
(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM Jan 2020 Mid-Month Position Analysis



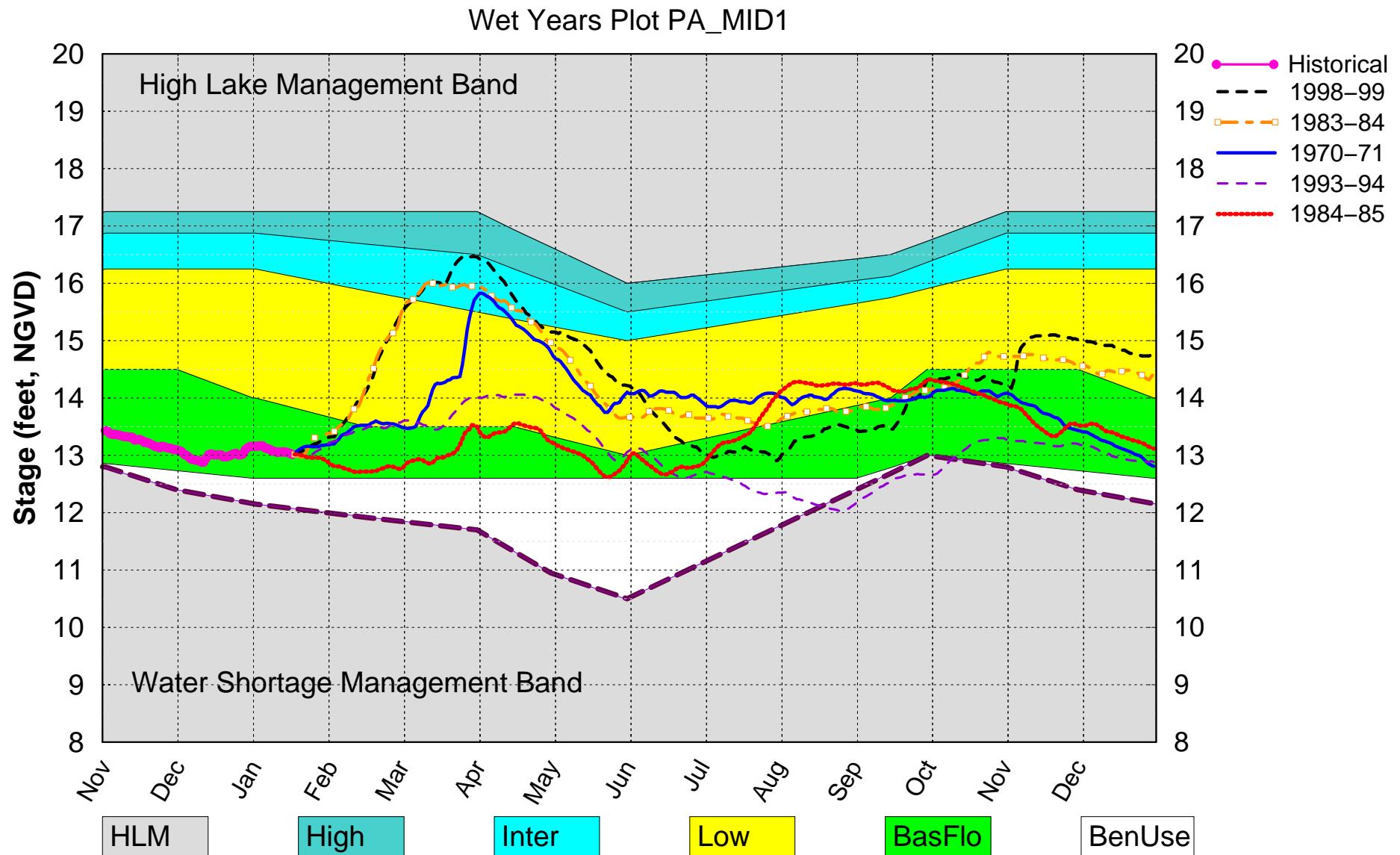
(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM Jan 2020 Mid-Month Position Analysis



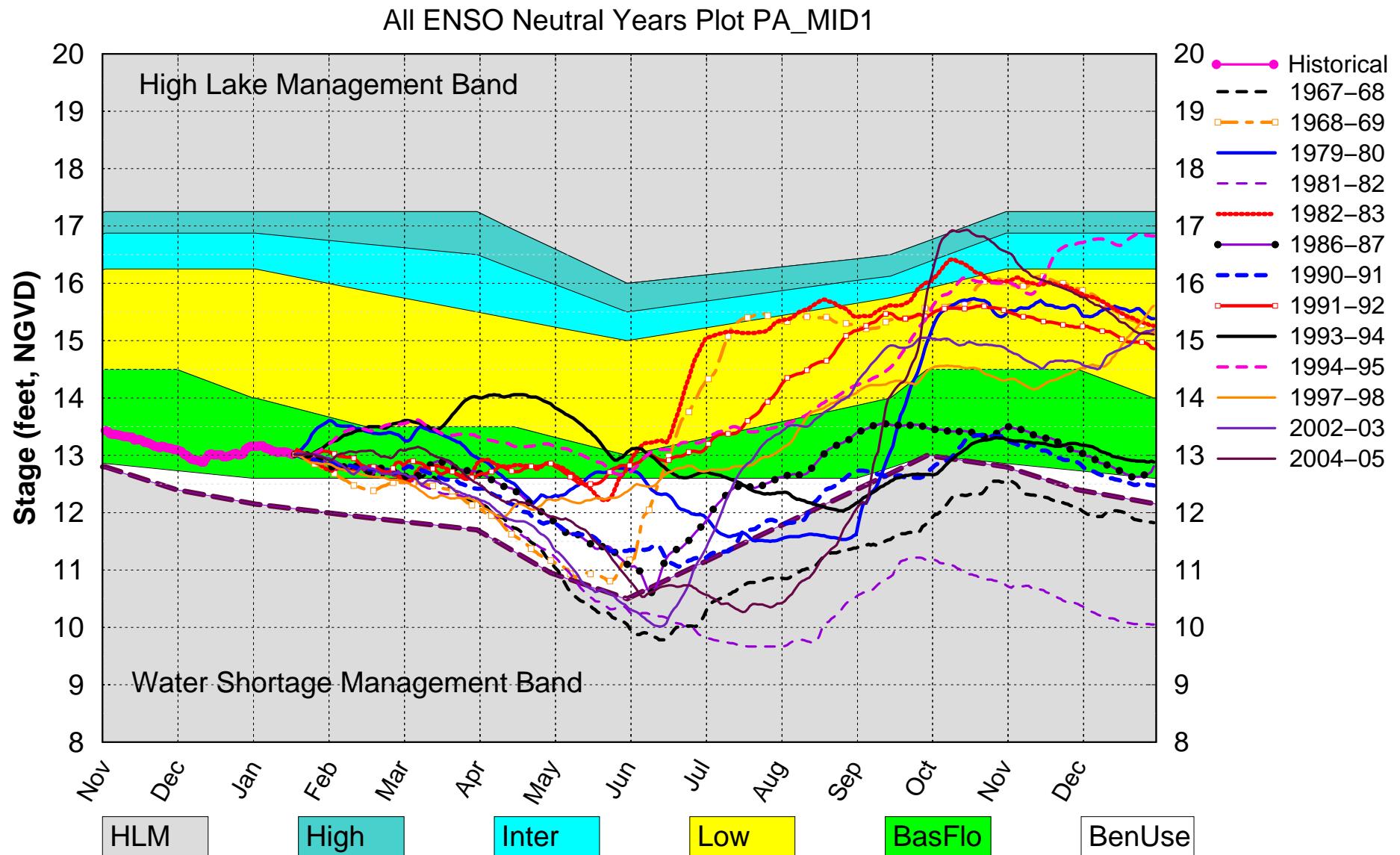
(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM Jan 2020 Mid-Month Position Analysis



(See assumptions on the Position Analysis Results website)

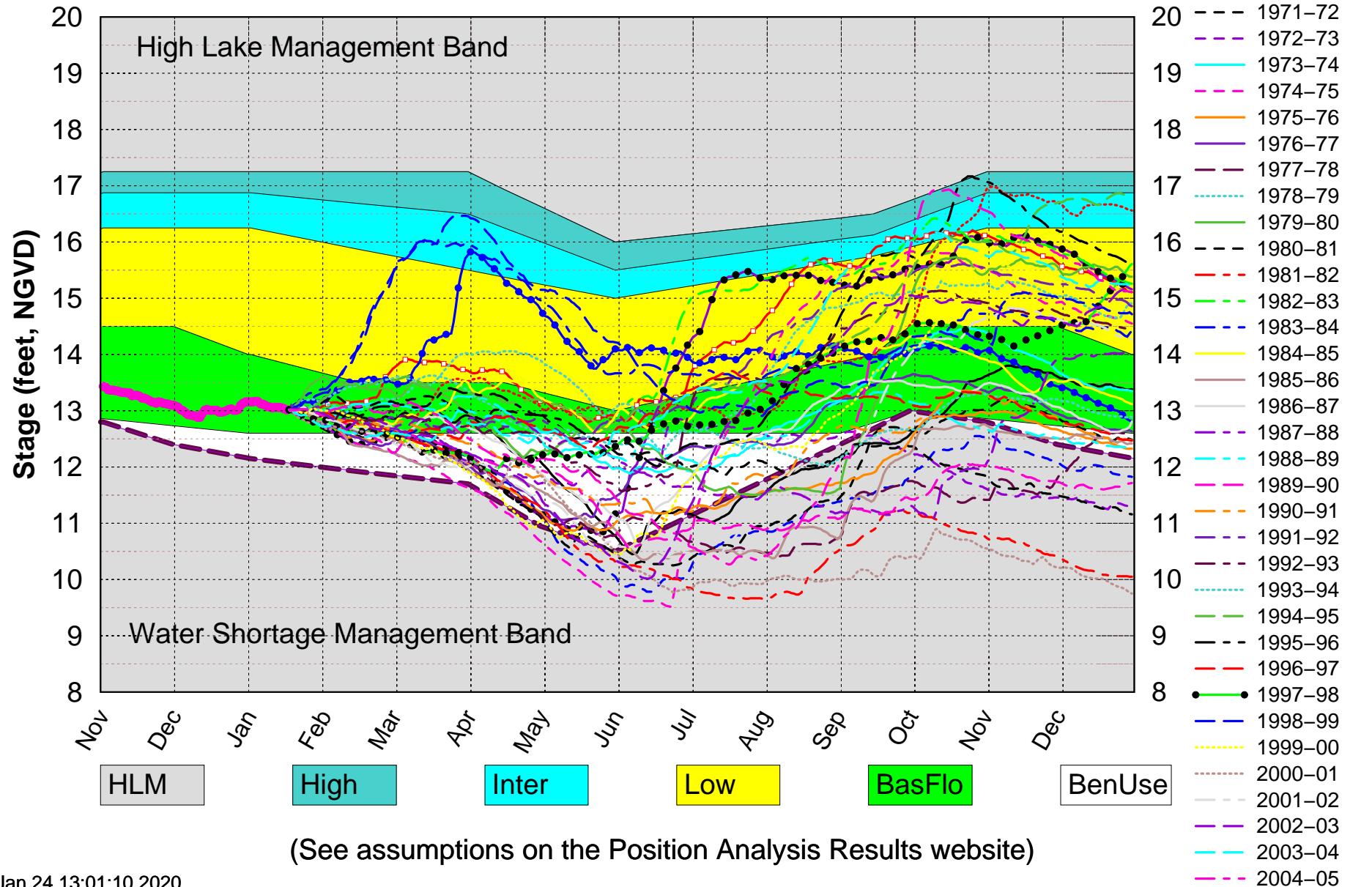
Lake Okeechobee SFWMM Jan 2020 Mid-Month Position Analysis



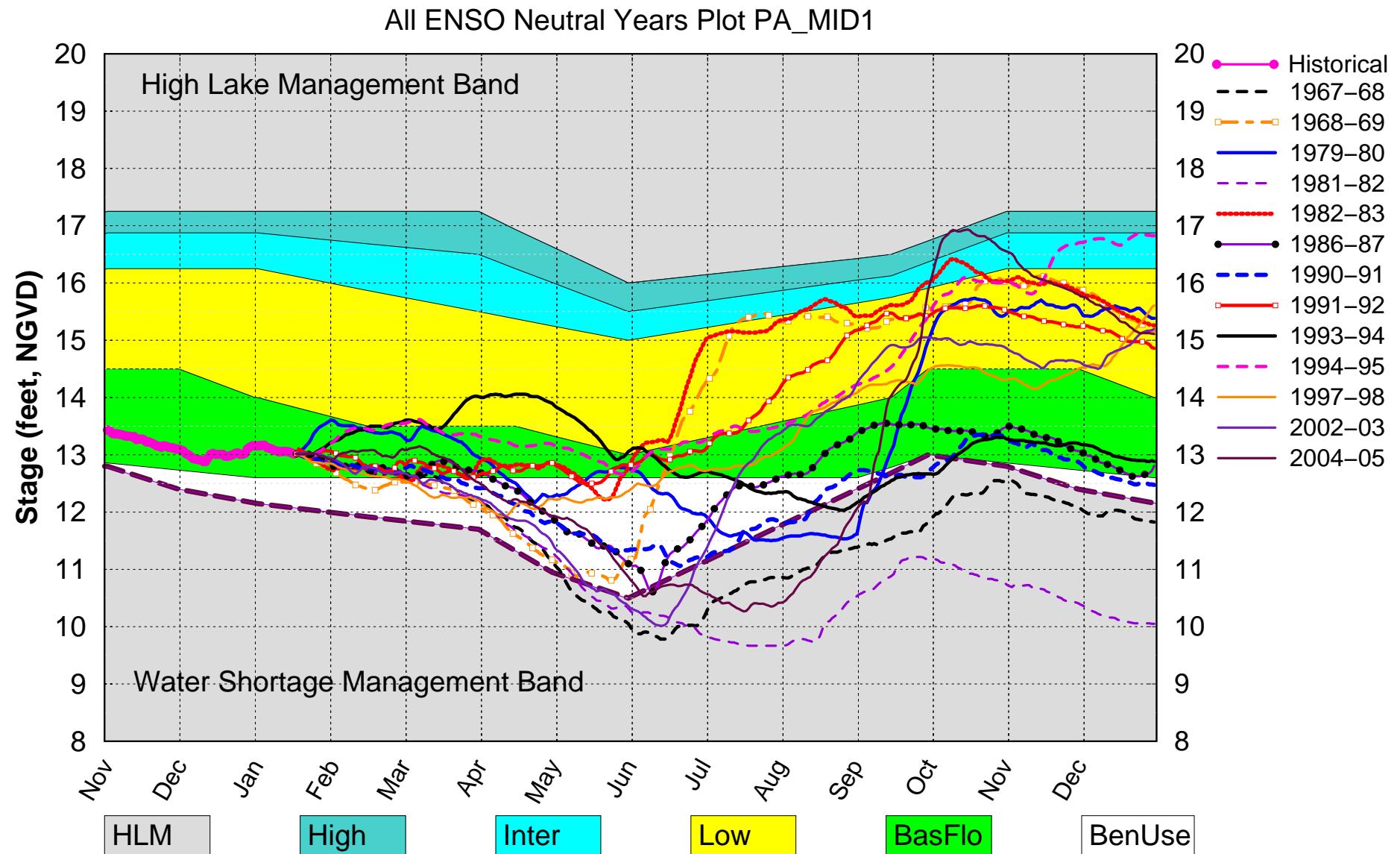
(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM Jan 2020 Mid-Month Position Analysis

All Simulated Years Plot PA_MID1



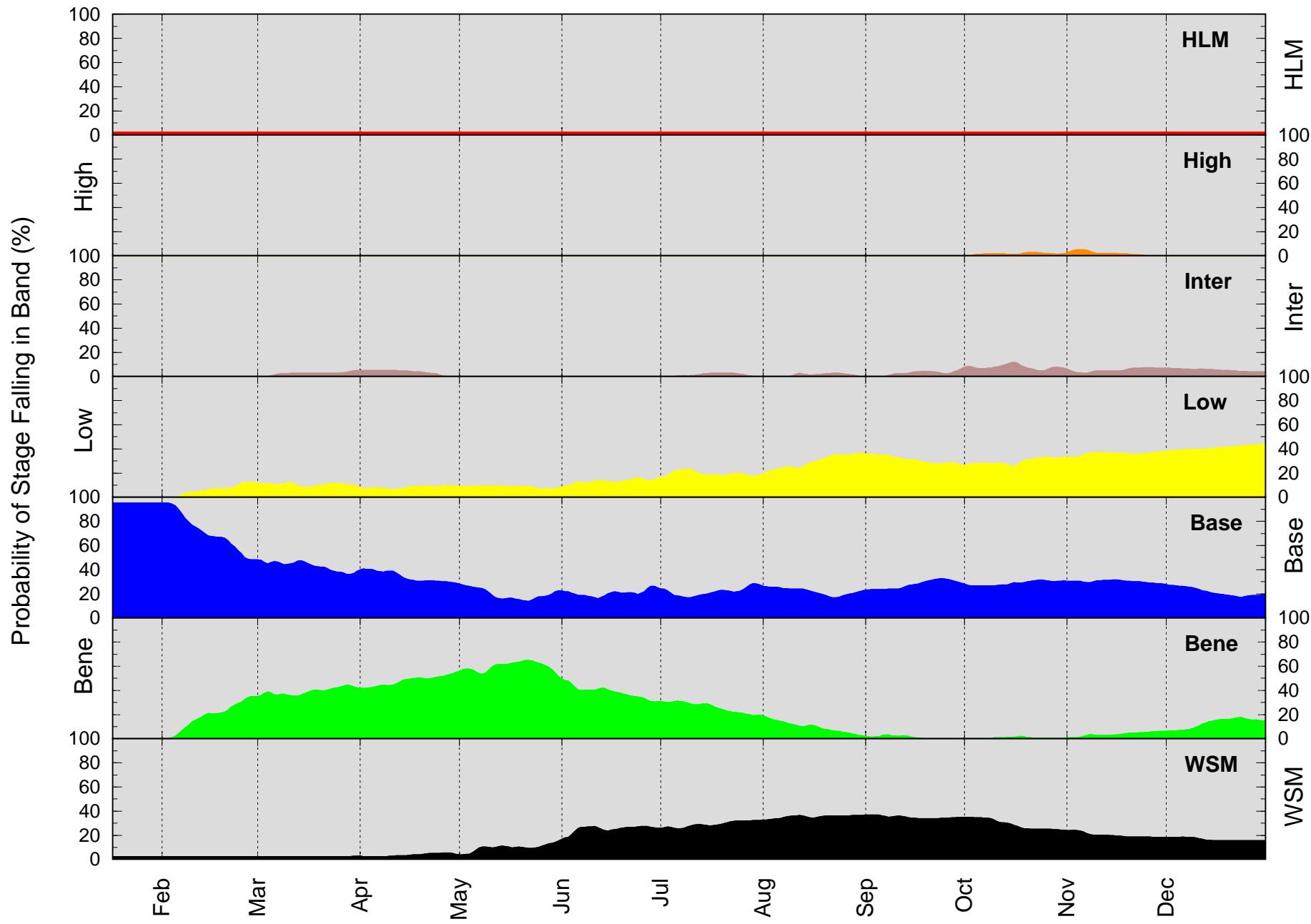
Lake Okeechobee SFWMM Jan 2020 Mid-Month Position Analysis



(See assumptions on the Position Analysis Results website)

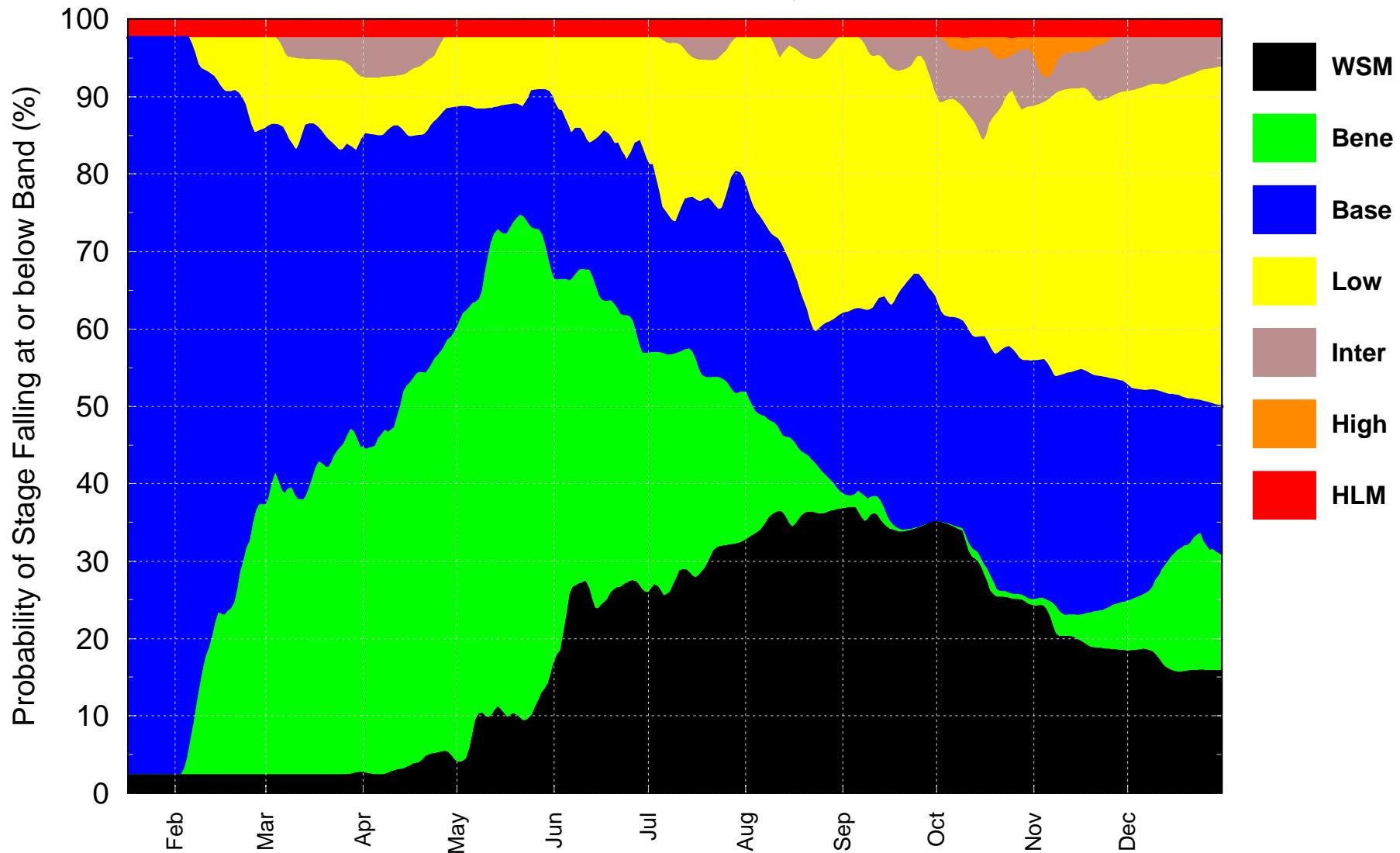
Lake Okeechobee – Band Probabilities

'(See assumptions on the Position Analysis Results website)'



Lake Okeechobee – Probabilities for Operational Bands

'(See assumptions on the Position Analysis Results website)'

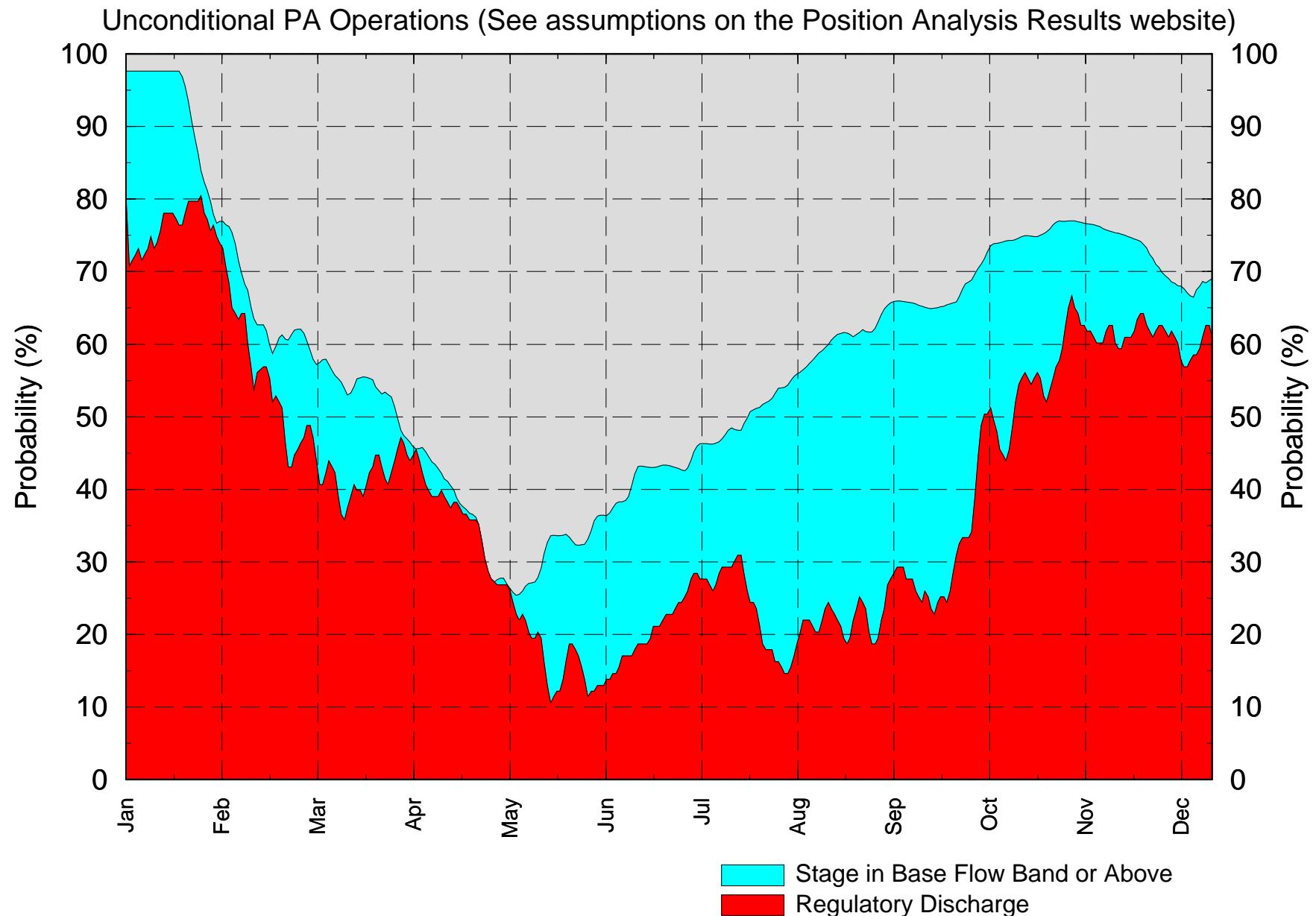


The width for each band gives the probability of stage falling in that band, as defined by the operational schedules.

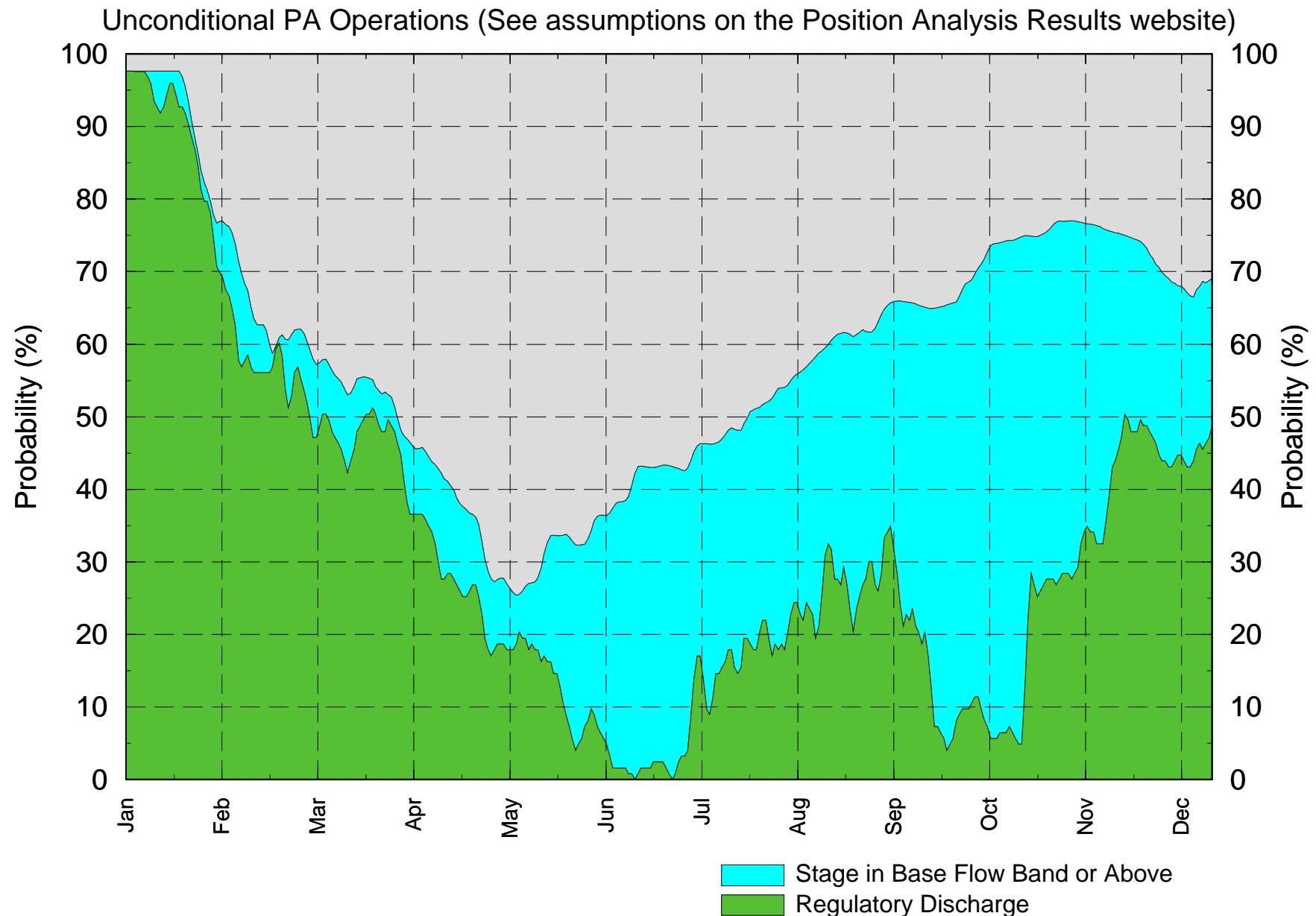
Lake Okeechobee Band Probabilities (%) at the Begining of Each Month
 '(See assumptions on the Position Analysis Results website)'
 Initial Stage 13.16 ft. for 01/01/2020

Date	HLM	High	Inter	Low	Base	Bene	WSM
2020 01 01	2.4	0.0	0.0	0.0	95.2	0.0	2.4
2020 02 01	2.4	0.0	0.0	0.0	95.2	0.0	2.4
2020 03 01	2.4	0.0	0.0	11.9	48.4	34.9	2.4
2020 04 01	2.4	0.0	5.1	8.0	39.9	41.9	2.7
2020 05 01	2.4	0.0	-0.0	9.1	28.4	56.1	4.0
2020 06 01	2.4	0.0	-0.0	8.7	22.6	49.4	17.0
2020 07 01	2.4	0.0	-0.0	16.6	24.2	30.9	25.9
2020 08 01	2.4	0.0	-0.0	19.5	26.3	19.1	32.7
2020 09 01	2.4	0.0	0.0	35.8	23.1	1.9	36.7
2020 10 01	2.4	0.0	7.8	26.7	28.0	0.0	35.1
2020 11 01	2.4	2.6	6.2	33.1	30.7	0.9	24.2
2020 12 01	2.4	0.0	6.9	38.2	27.7	6.4	18.4

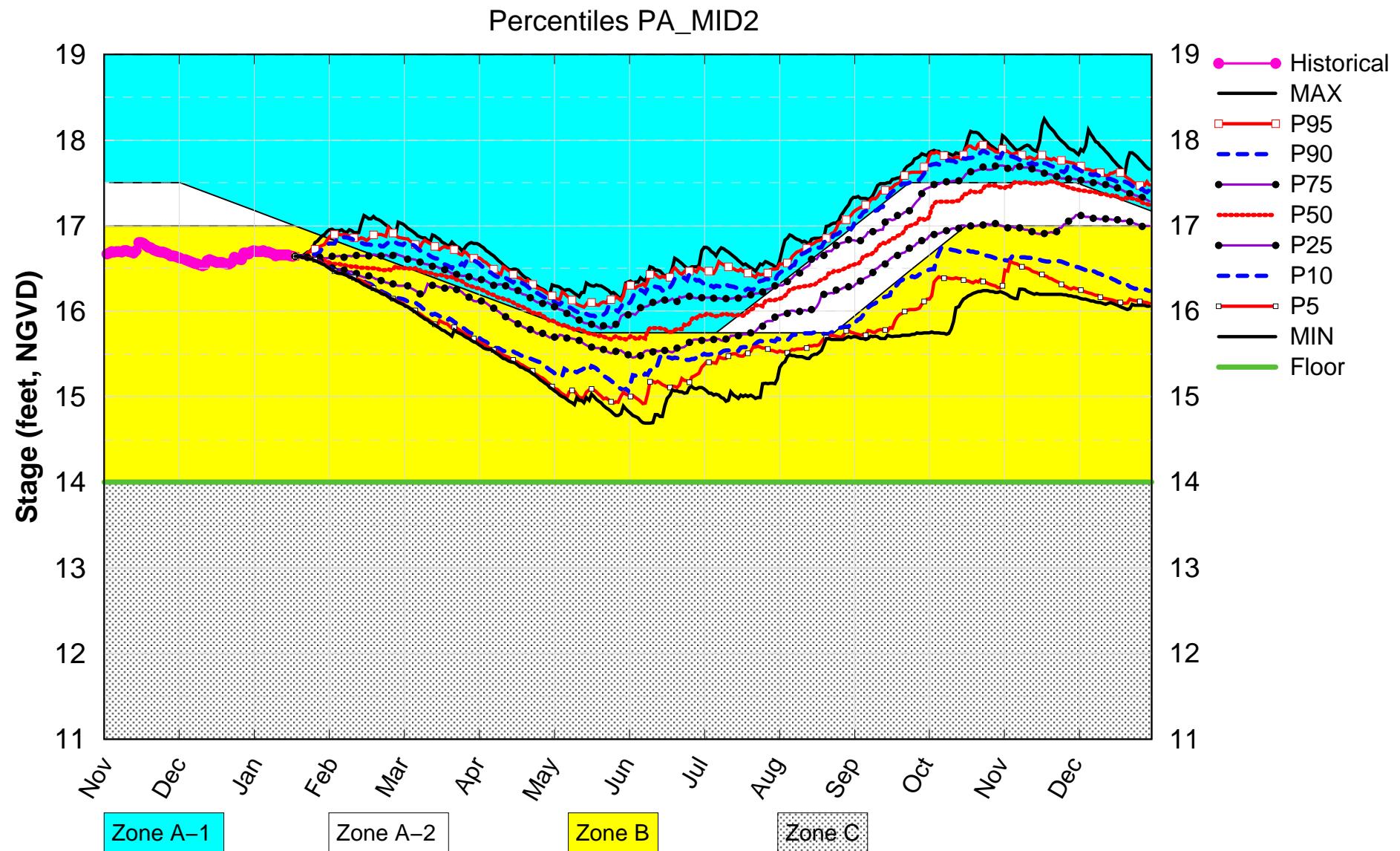
Lake Okeechobee – LORS2008 Releases to the Estuaries



Lake Okeechobee – LORS2008 Releases to the WCA's

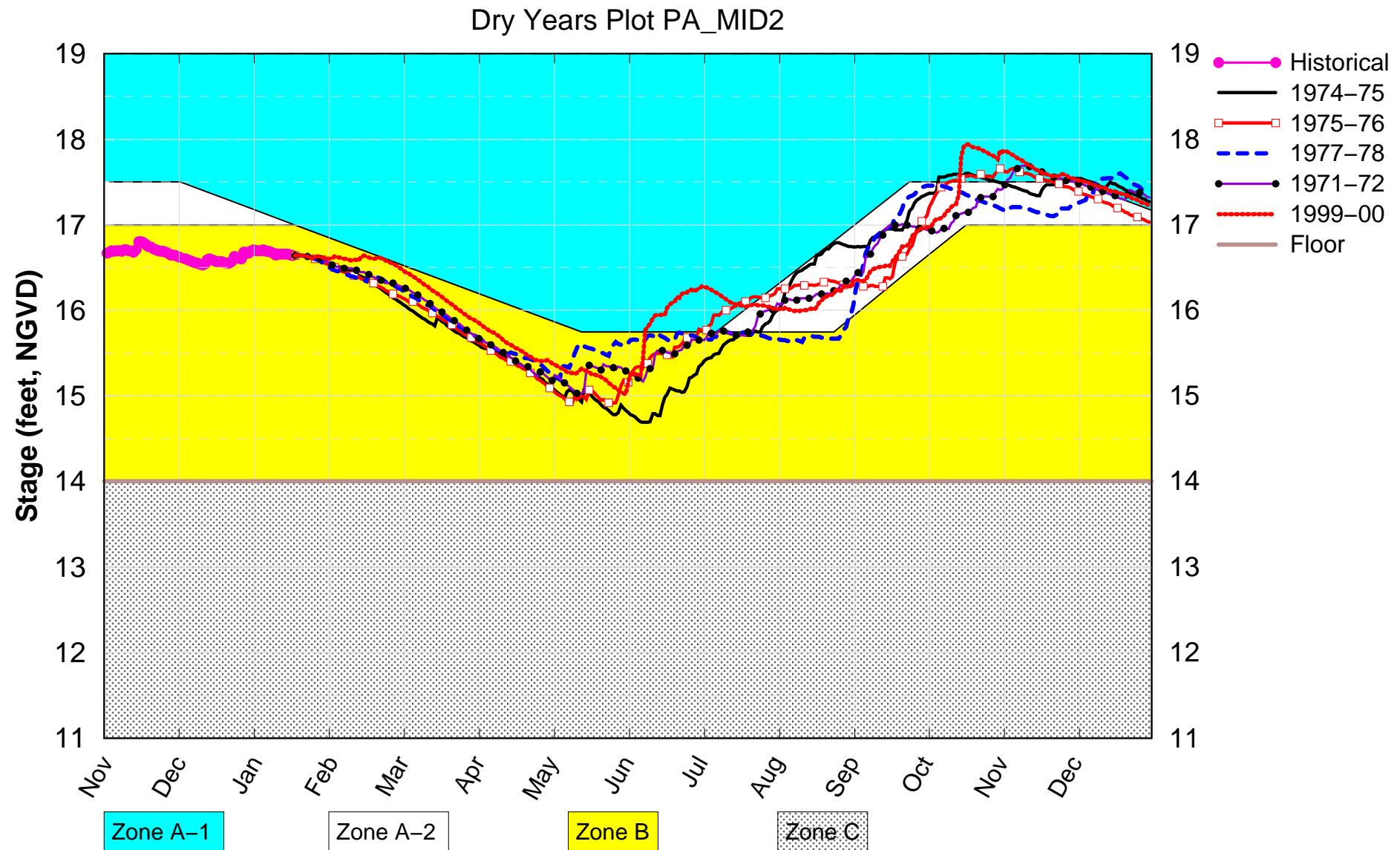


WCA1 SFWMM Jan 2020 Mid-Month Position Analysis



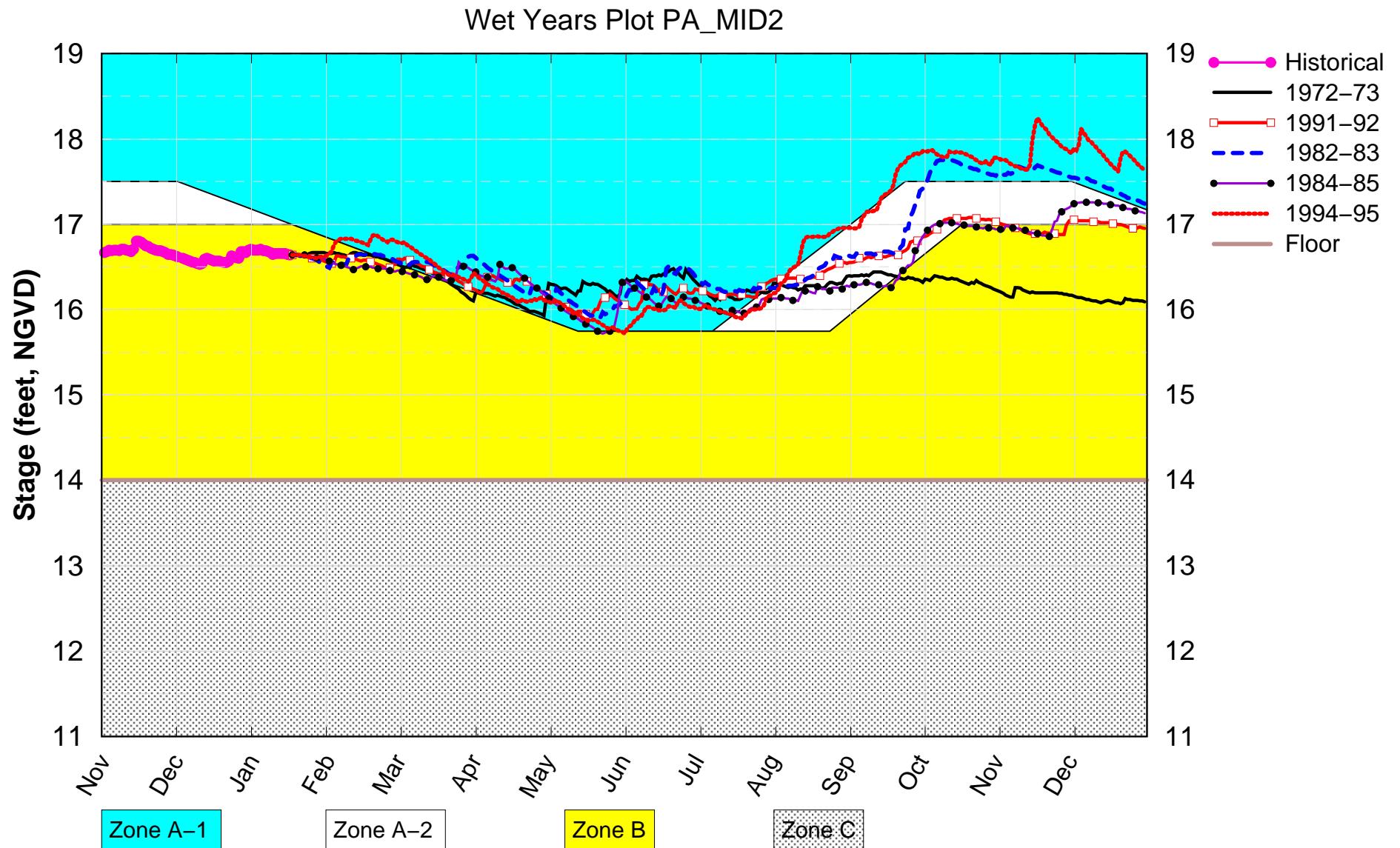
(See assumptions on the Position Analysis Results website)

WCA1 SFWMM Jan 2020 Mid-Month Position Analysis



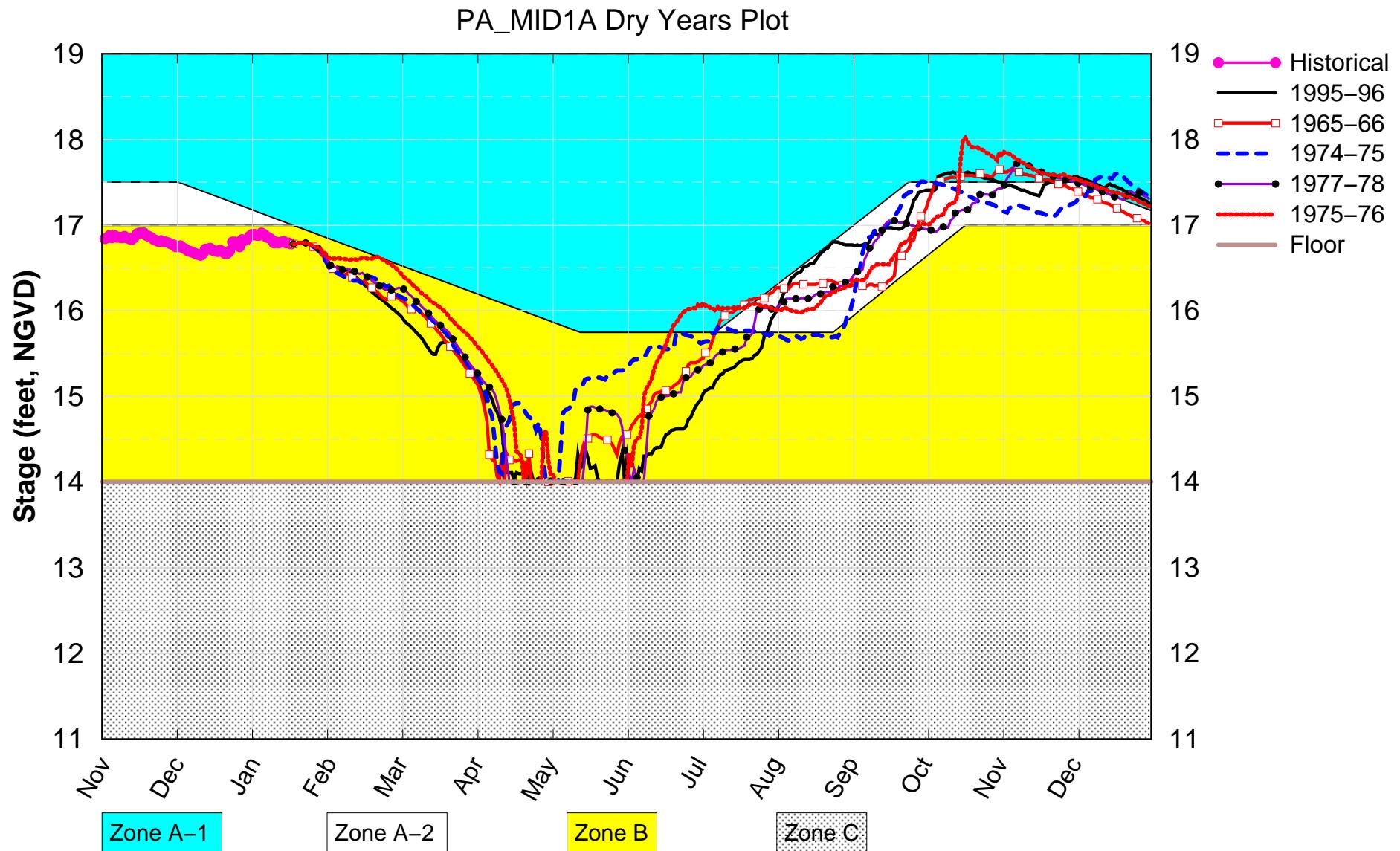
(See assumptions on the Position Analysis Results website)

WCA1 SFWMM Jan 2020 Mid-Month Position Analysis



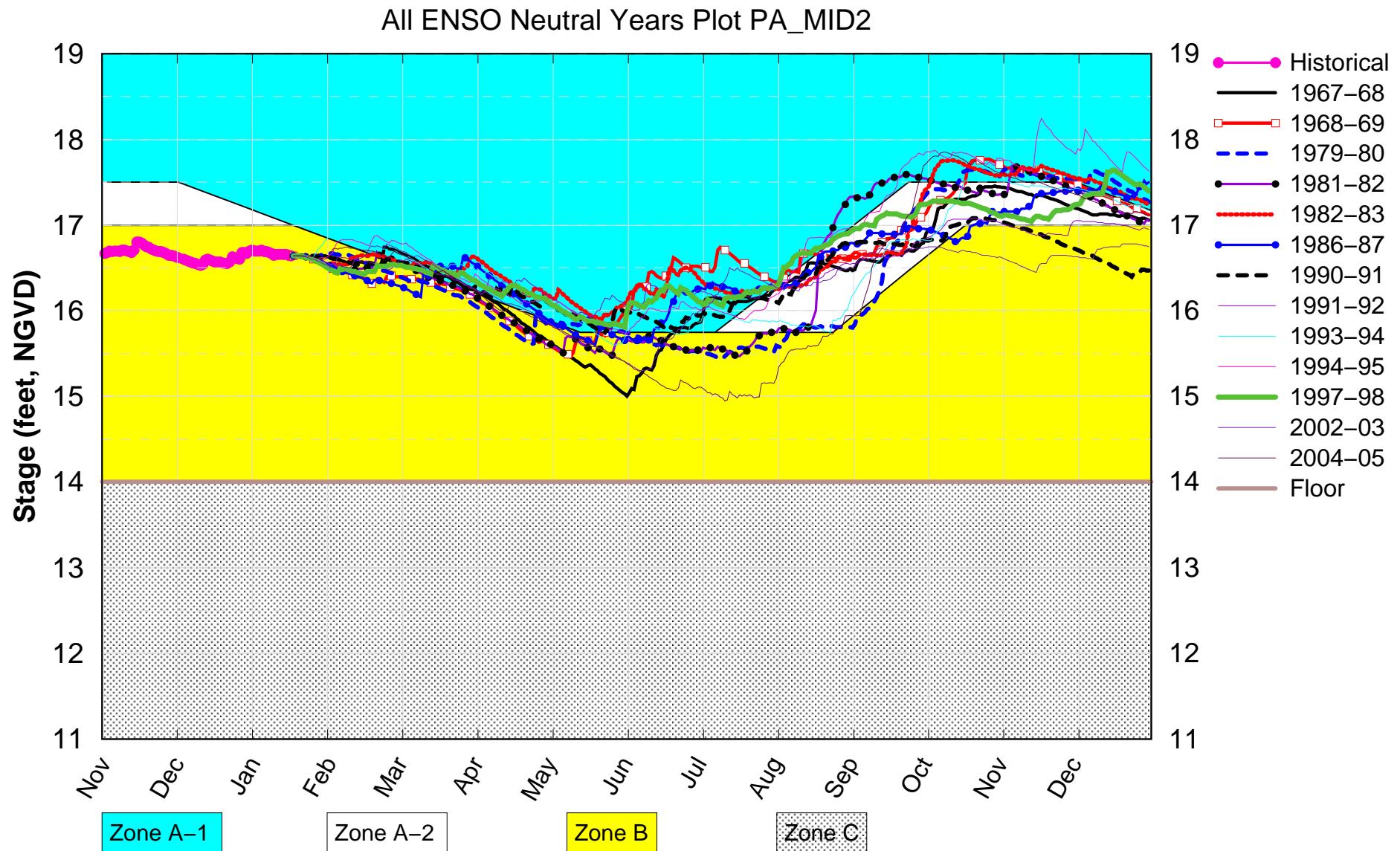
(See assumptions on the Position Analysis Results website)

CA1 Canal SFWMM Jan 2020 Mid-Month Position Analysis



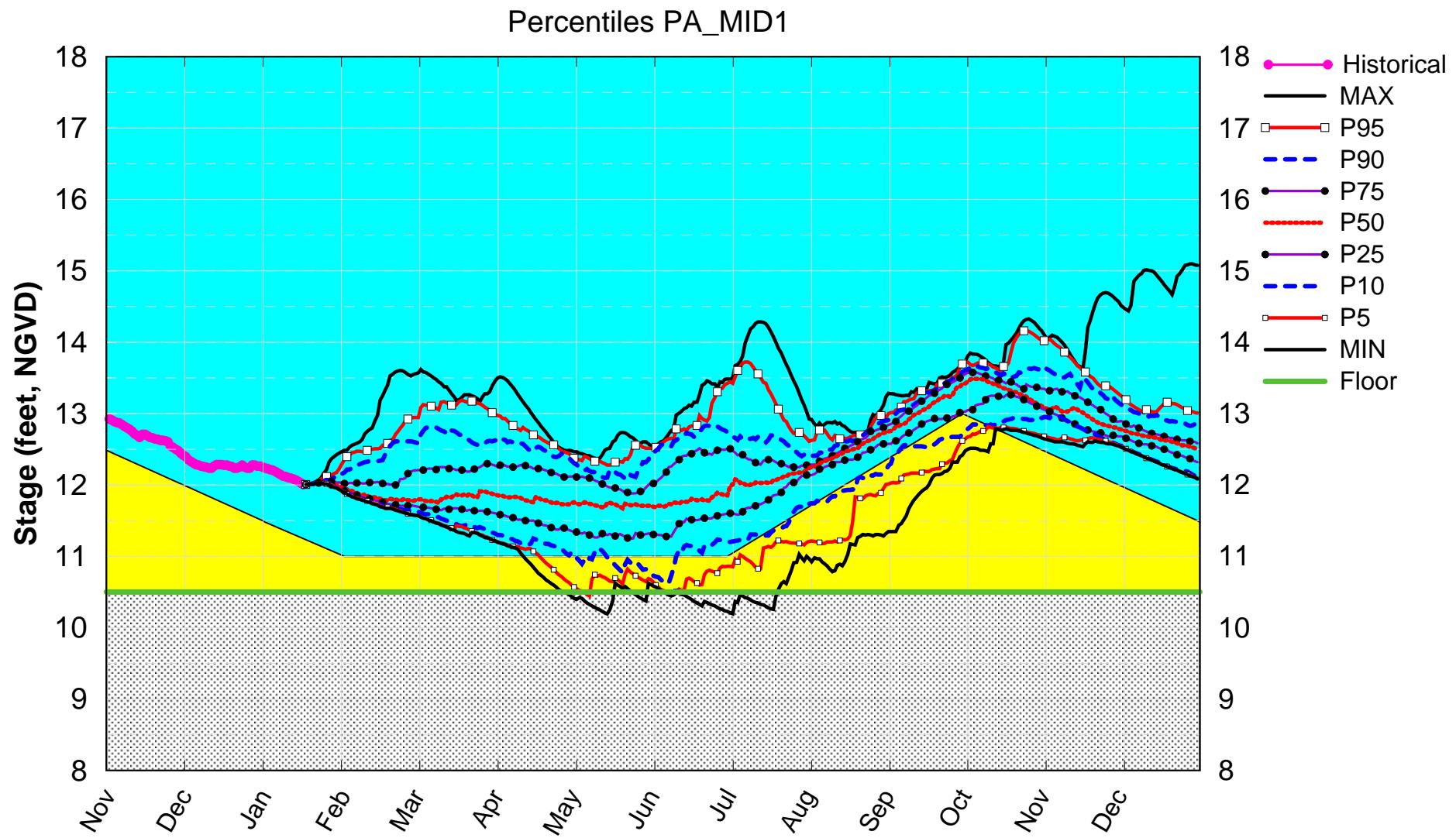
(See assumptions on the Position Analysis Results website)

WCA1 SFWMM Jan 2020 Mid-Month Position Analysis



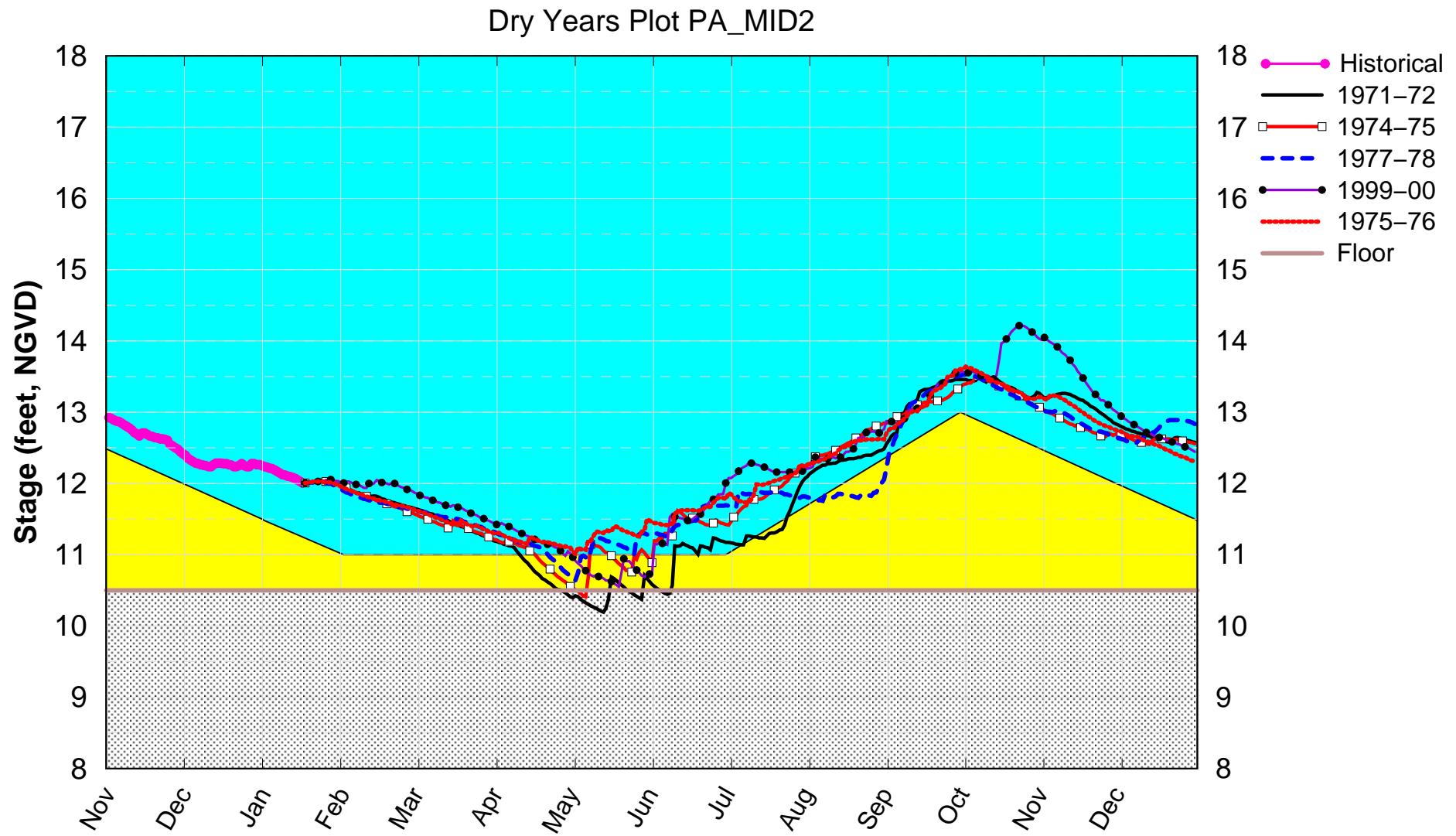
(See assumptions on the Position Analysis Results website)

WCA2A SFWMM Jan 2020 Mid-Month Position Analysis



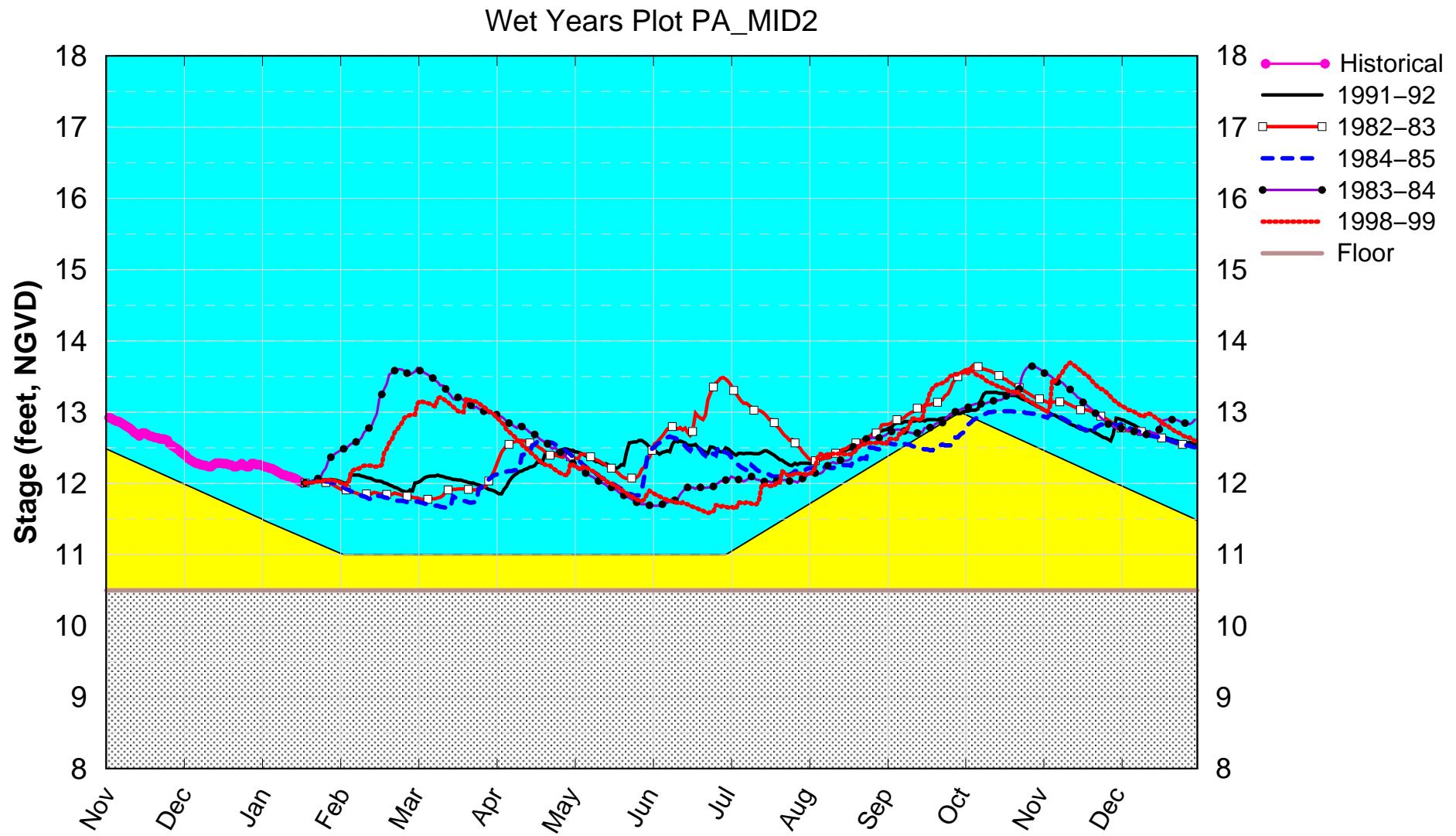
(See assumptions on the Position Analysis Results website)

WCA2A SFWMM Jan 2020 Mid-Month Position Analysis



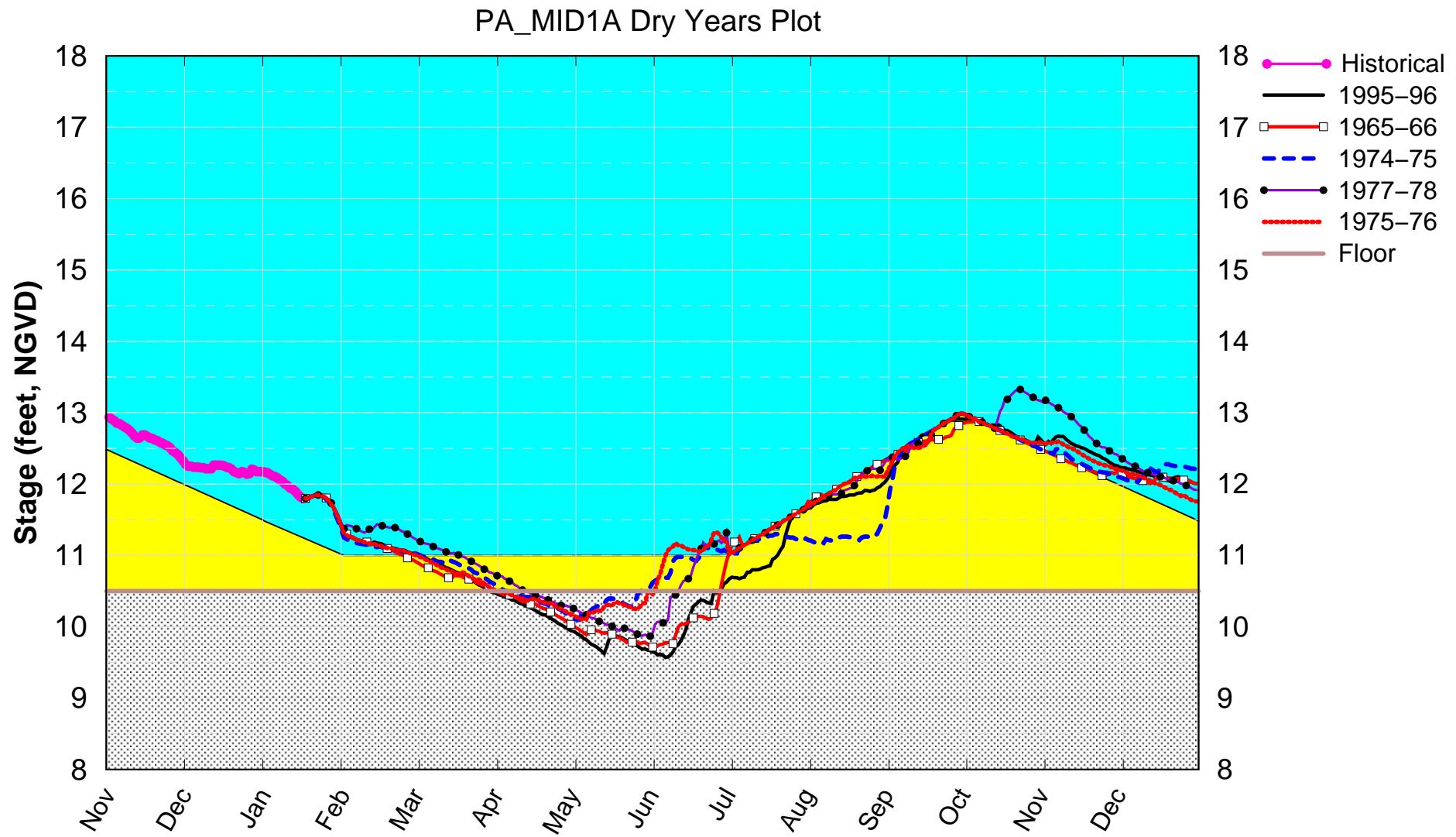
(See assumptions on the Position Analysis Results website)

WCA2A SFWMM Jan 2020 Mid-Month Position Analysis



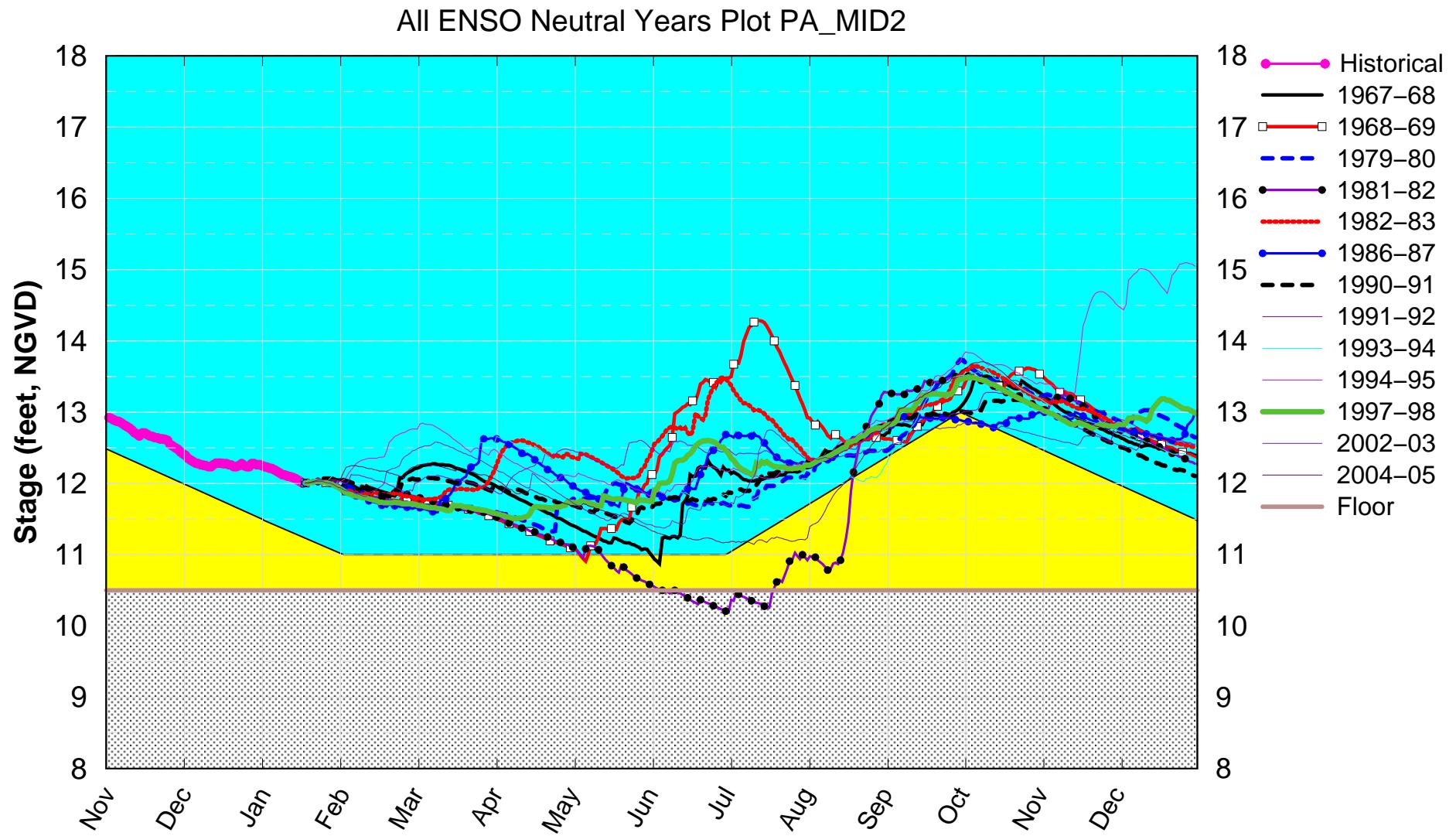
(See assumptions on the Position Analysis Results website)

L38 Canal SFWMM Jan 2020 Mid-Month Position Analysis



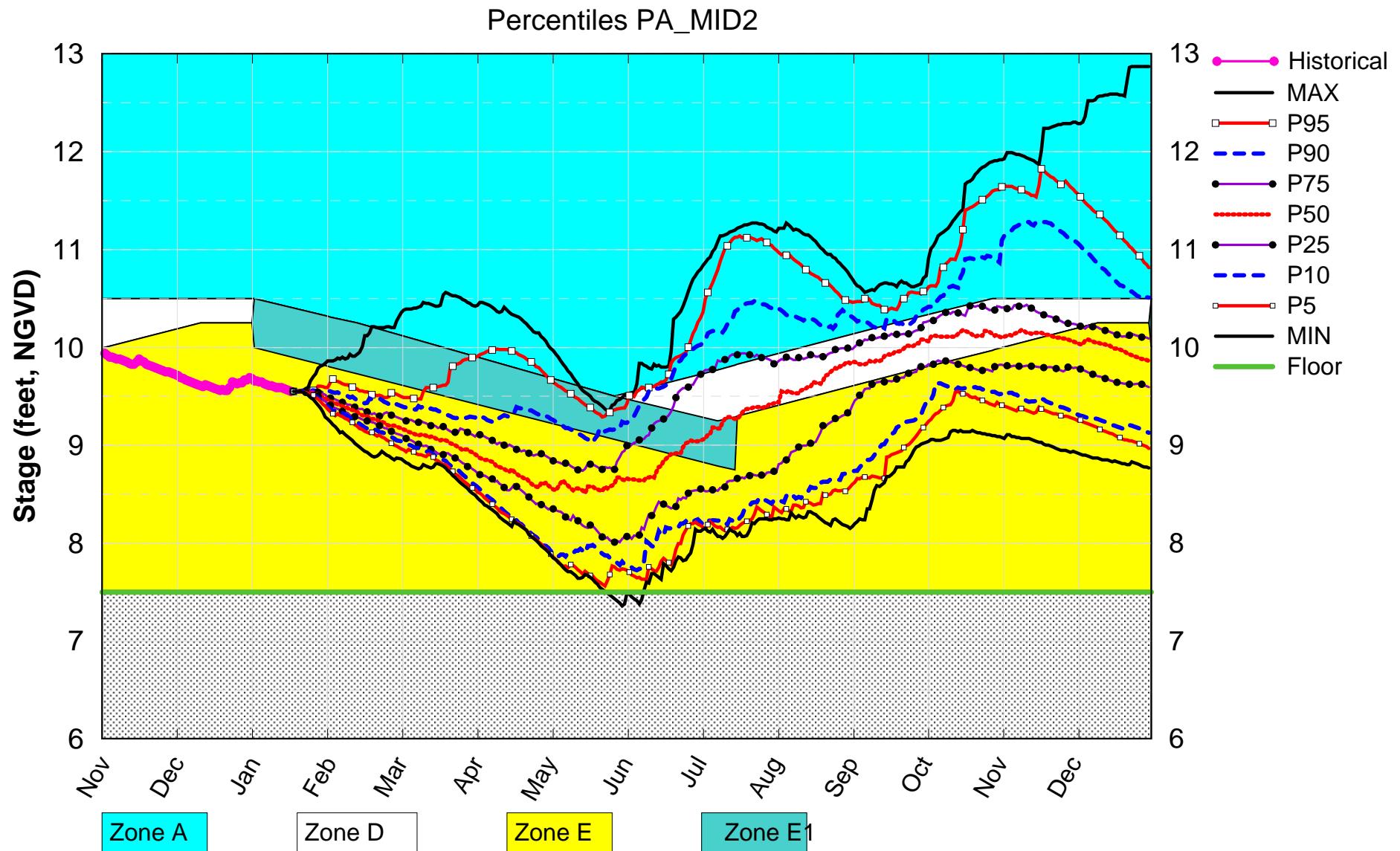
(See assumptions on the Position Analysis Results website)

WCA2A SFWMM Jan 2020 Mid-Month Position Analysis



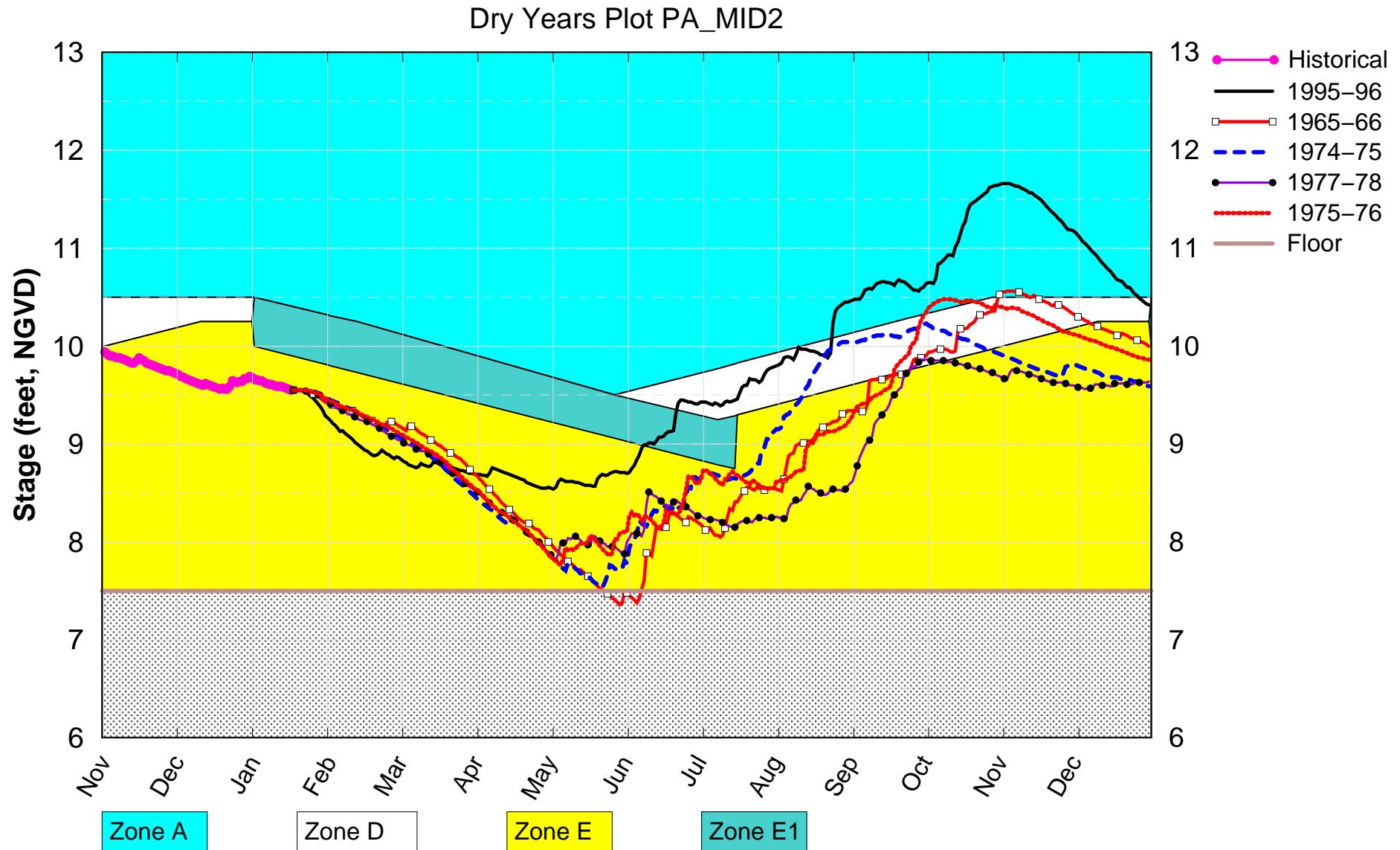
(See assumptions on the Position Analysis Results website)

WCA3A SFWMM Jan 2020 Mid-Month Position Analysis



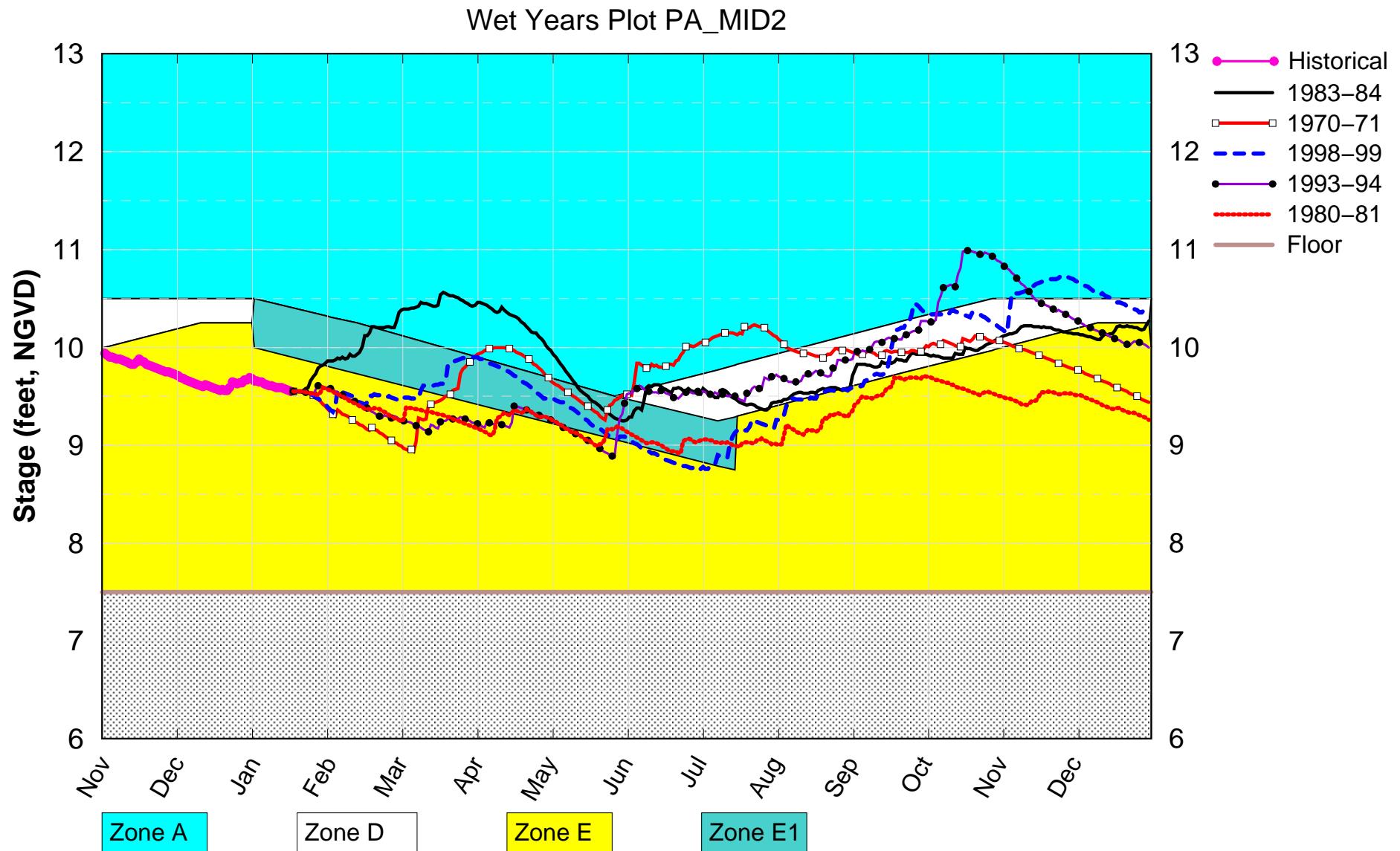
(See assumptions on the Position Analysis Results website)

WCA3A SFWMM Jan 2020 Mid-Month Position Analysis



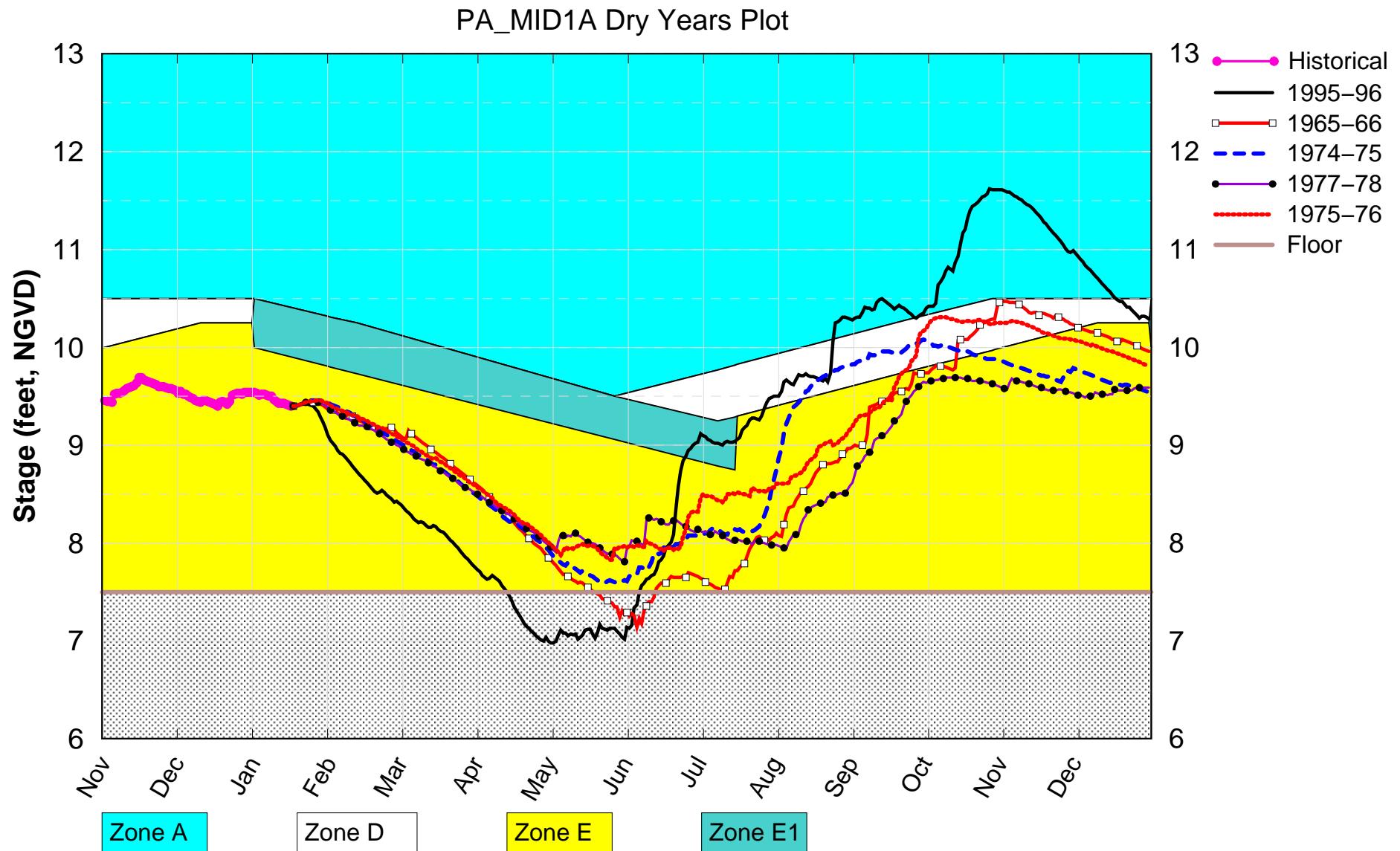
(See assumptions on the Position Analysis Results website)

WCA3A SFWMM Jan 2020 Mid-Month Position Analysis



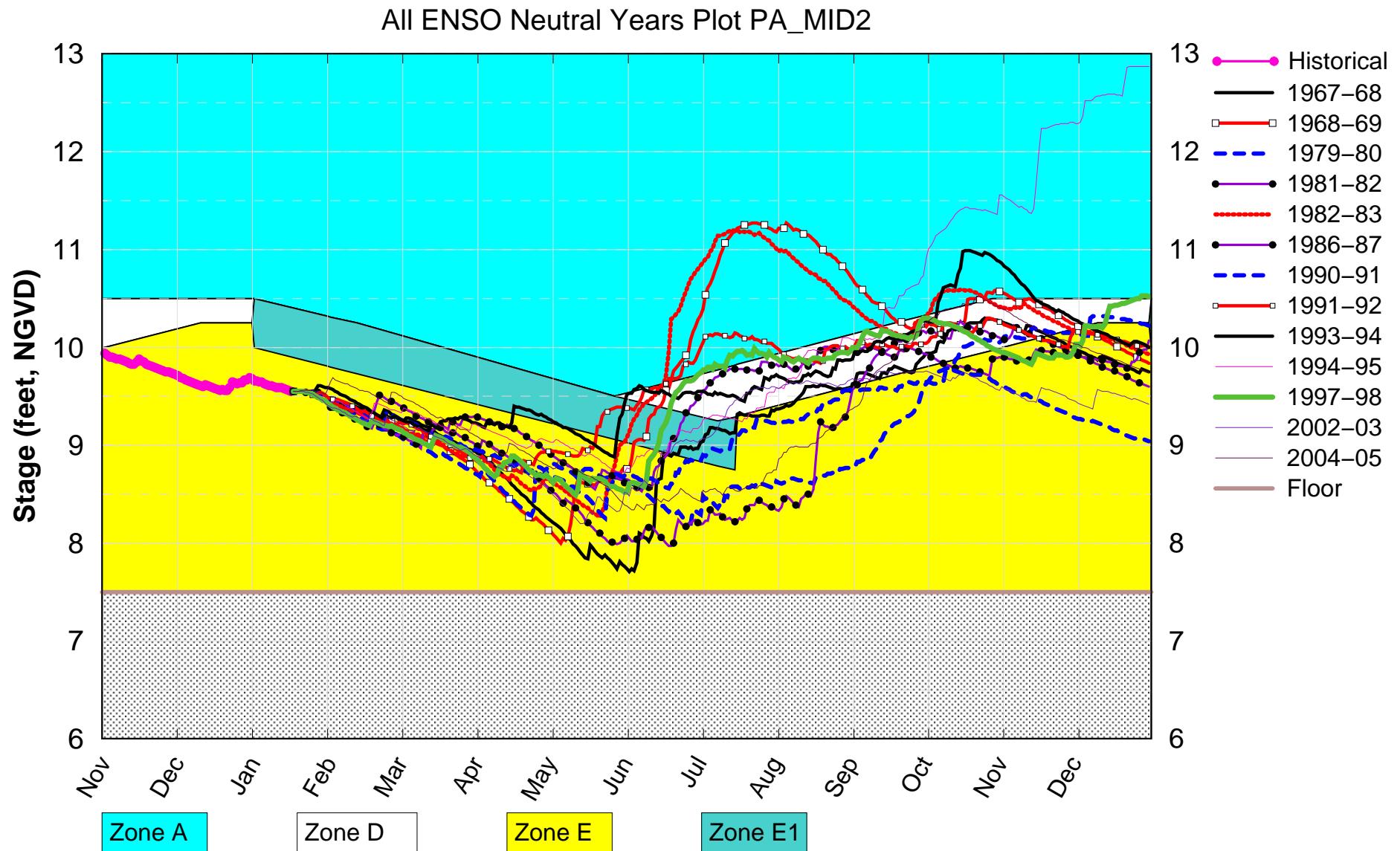
(See assumptions on the Position Analysis Results website)

CA3 Canal SFWMM Jan 2020 Mid-Month Position Analysis



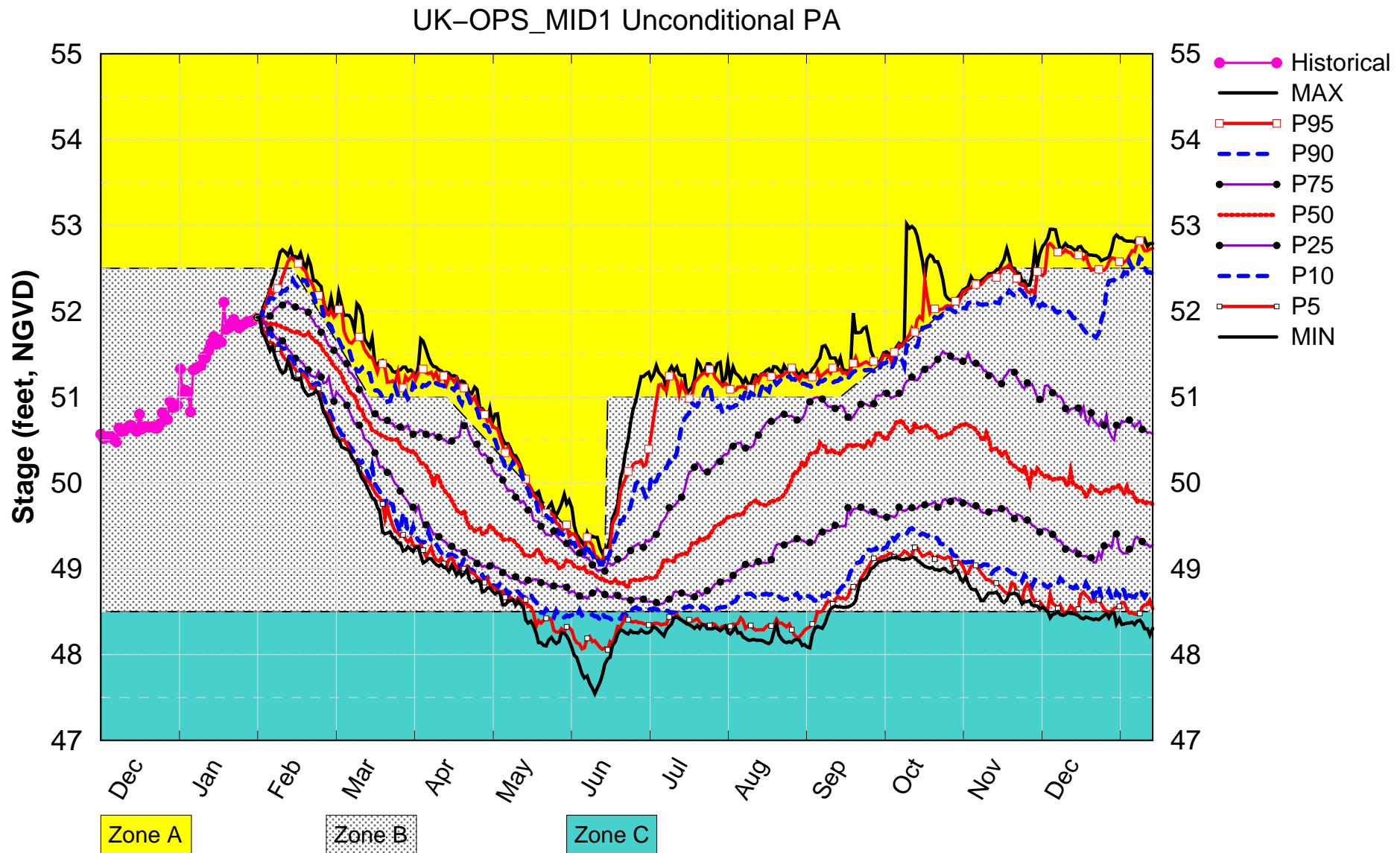
(See assumptions on the Position Analysis Results website)

WCA3A SFWMM Jan 2020 Mid-Month Position Analysis



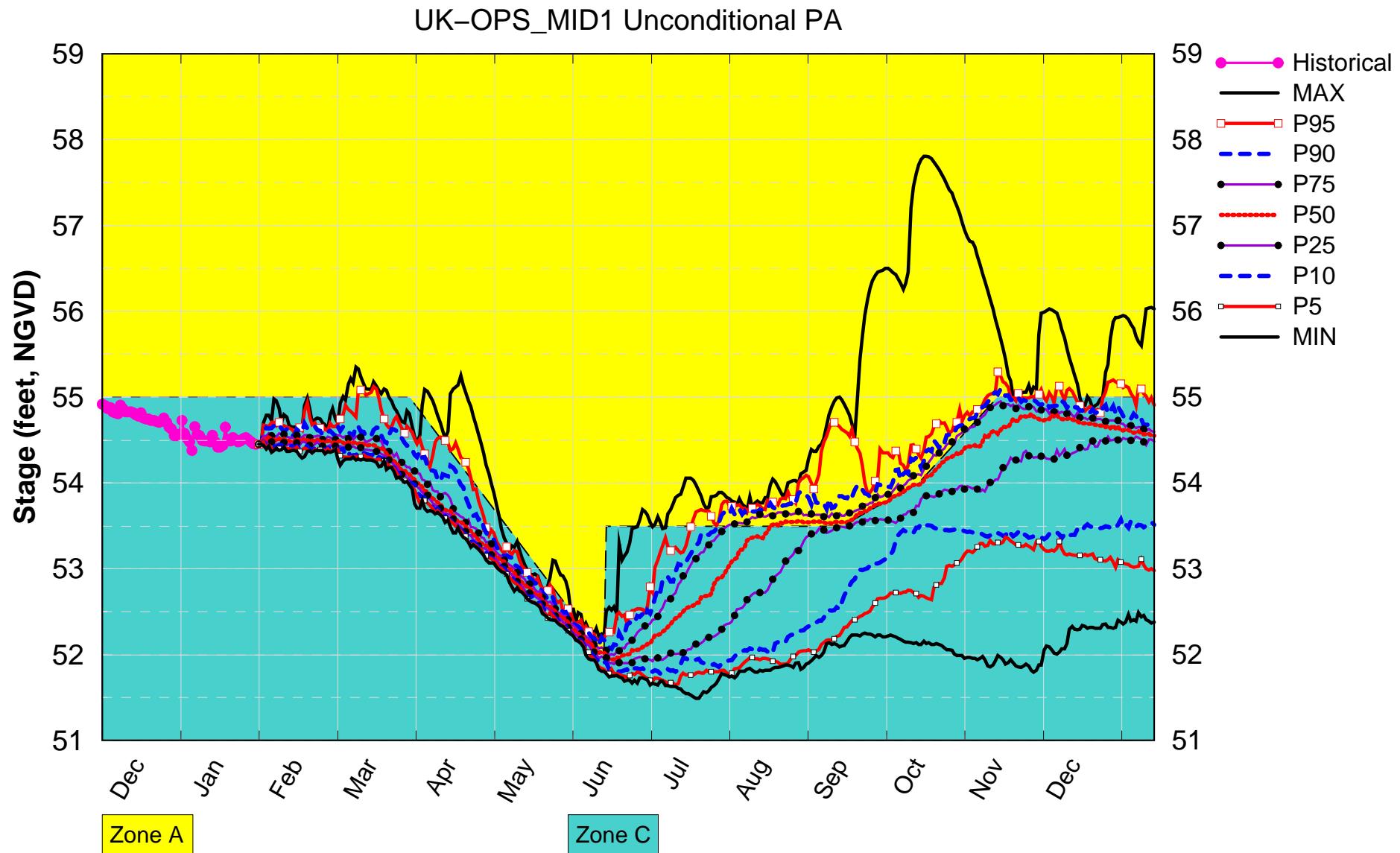
(See assumptions on the Position Analysis Results website)

S65 UK-OPS Jan 2020 Mid-Month Position Analysis



(See assumptions on the Position Analysis Results website)

S61 UK_OPS Jan 2020 Mid-Month Position Analysis



(See assumptions on the Position Analysis Results website)

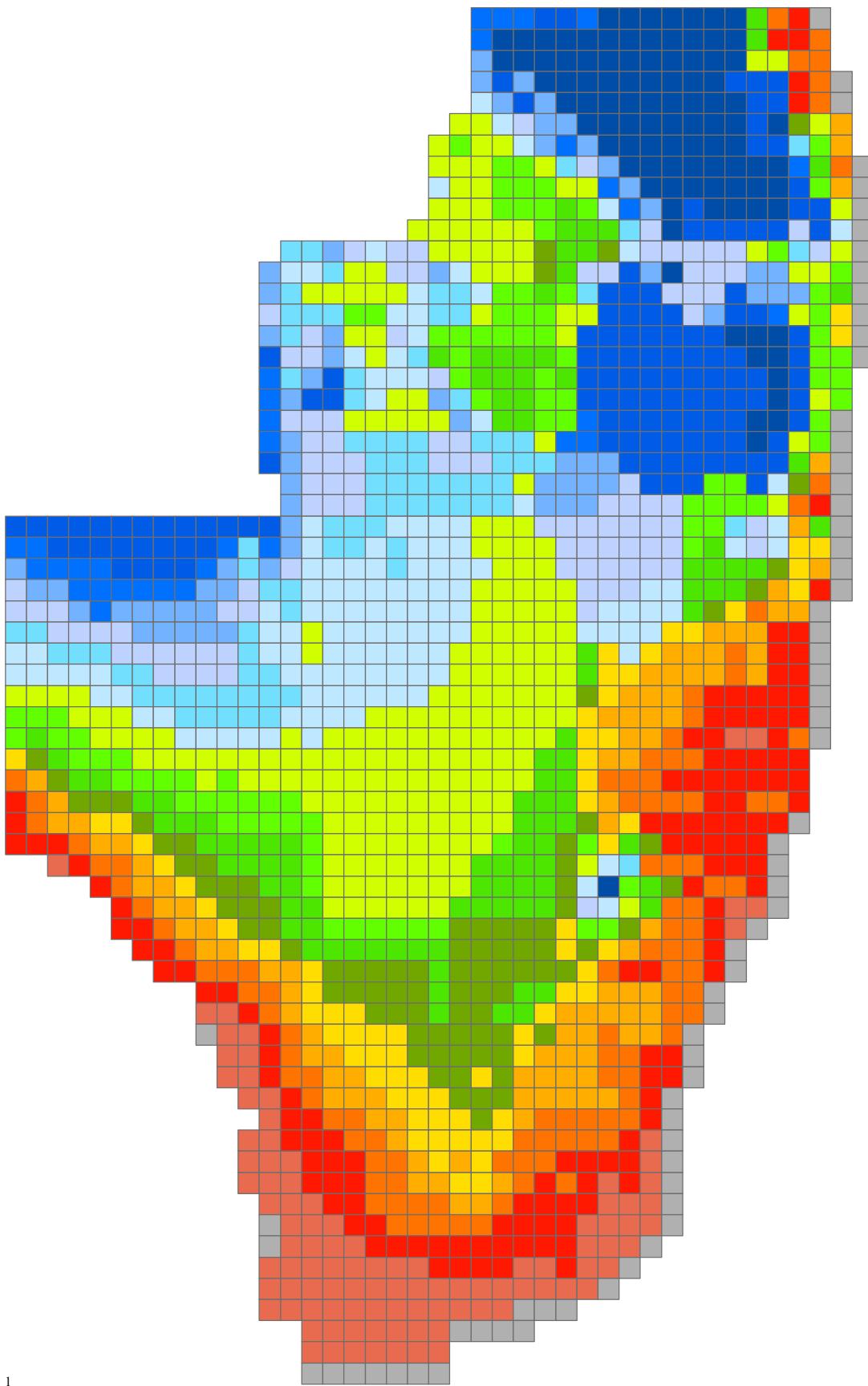
For the Dynamic Position Analysis the Upper Kissimmee Operations Screening (UK-OPS) Model is used to simulate water levels and releases from Lakes Kissimmee-Cypress-Hatchineha, Tohopekaliga, and East Lake Tohopekaliga. The UK-OPS Model is used to obtain a representation of the Lake Kissimmee operations per the 2015 Wet Season Kissimmee Basin Interagency Planning Meeting. 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 stage(ft)	:Canal Name	:SFWMM Name	:Location	:SFWMD sensor
WPB	:C-18	:C18	:G92-H	: 14.54
WPB	:C-17	:C17	:S44-H	: 6.97
WPB	:C-51W	:C51W	:S5AE-T	: 12.71
WPB	:C-51	:C51	:S155-H	: 8.43
WCA	:WCA-1 L-40	:CA1	:1-8C	: 16.78
FTLD	:Hillsboro Canal	:HLSB	:G56-H	: 8.58
WCA	:WCA-2A L-38	:L38	:S11B-H	: 11.80
WCA	:WCA-2A L-39	:CA2A	:S10A-T	: 12.45
FTLD	:C-14	:C14	:S37B-H	: 7.31
FTLD	:C-14E	:C14E	:S37A-H	: 4.03
FTLD	:Pompano	:POMP	:G57-H	: 4.76
FTLD	:C-12	:C12	:S33-H	: 3.45
FTLD	:C-13	:C13	:S36-H	: 5.21
FTLD	:North New River Canal	:NNRC	:G54-H	: 4.59
MIAMI	:L-33	:L33	:S30-H	: 5.79
MIAMI	:C-304	:C304	:S31-H	: 7.54
MIAMI	:C-9	:C9	:S29-H	: 2.54
MIAMI	:C-9 DEN	:C9DEN	:S29-H	: 2.54
MIAMI	:C-8	:C8	:S28-H	: 2.09
MIAMI	:C-7	:C7	:S27-H	: 1.54
MIAMI	:C-6	:C6	:S26-H	: 2.79
MIAMI	:C-2/C-4	:C4	:S25B-H	: 2.88
MIAMI	:L-30	:L30	:S335-H	: 6.52
WCA	:WCA-3A L-29	:CA3	:S333-H	: 9.40
WCA	:S-12A	:S12AD	:S12A-T	: 7.97
WCA	:S-12B	:S12BD	:S12B-T	: 8.08
WCA	:S-12C	:S12CD	:S12C-T	: 8.10
WCA	:S-12D	:S12DD	:S12D-T	: 6.84
MIAMI	:L-29	:L29	:S334-H	: 6.87
MIAMI	:C-100C	:C100C	:S119-H	: 2.99
MIAMI	:C-100	:C100	:S118-H	: 3.10
MIAMI	:C-100A	:C100A	:S123-H	: 2.56
HMST	:C-1/S-148	:S148U	:S148-H	: 3.88
HMST	:L-31N	:L31N	:S331-H	: 5.19
HMST	:C-1N	:C1N	:S149-H	: 2.85
MIAMI	:S-21	:S21	:S21-H	: 2.24
HMST	:L-31S	:L31S	:S176-H	: 4.25
MIAMI	:C-102N	:C102N	:S21A-H	: 1.35
HMST	:C-102	:C102	:S165-H	: 3.45
MIAMI	:C-103S	:C103S	:S167-H	: 3.08
HMST	:C-103N	:C103N	:S166-H	: 2.66
HMST	:C-103	:S179	:S179-H	: 2.26
HMST	:L-31W	:L31W	:S332-H	: 4.20
HMST	:C-111	:C111	:S177-H	: 3.18
HMST	:CNO	:CNO	:S179-H	: 2.26
HMST	:C-111E	:C111E	:S18C-H	: 2.31
HMST	:S-197	:S197	:S197-H	: 2.24
EAA	:L-23E	:L23E	:S8-T	: 10.87
EAA	:C-60	:C60	:S140-T	: 10.25

SFWMM	Name	col	row	STAGE	Source	Data	match	domain	match	areas
1-7		31	48	16.63	USACE		PA	CA1		
1-8T		34	47	16.64	USACE		PA	CA1		
1-9		33	46	16.66	USACE		PA	CA1		
2-17		29	40	12.01	USACE		PA	CA2		
2-159		28	43	13.26	SFWMD-ARDAMS		PA	CA2		
3-99		30	35	10.43	USACE			CA2		
3A-2		18	36	10.44	USACE		PA	CA3		
3A-3		25	37	9.53	USACE		PA	CA3		
3A-28		19	24	9.39	USACE		PA	CA3		
3A-4		21	29	9.73	USACE		PA	CA3		
3A-NW		18	40	10.77	SFWMD-ARDAMS			CA3		
3A-NE		23	40	9.80	SFWMD-ARDAMS			CA3		
3A-SW		16	30	9.64	SFWMD-ARDAMS			CA3		
3A-S		20	33	9.89	SFWMD-ARDAMS			CA3		
3-76		27	30	7.63	USACE					
3-71		24	26	7.86	USACE					
SHARK		24	23	7.59	USACE			CA3		
3BS1W		26	23	7.29	SFWMD-ARDAMS					
HOLY1		19	45	11.53	SFWMD-ARDAMS			WMA		
HOLY2		21	42	11.53	SFWMD-ARDAMS			WMA		
ROTTN		15	46	12.61	SFWMD-OPERATIONS			WMA		
ROTTS		16	43	12.61	SFWMD-OPERATIONS			WMA		
NP205		15	20	5.55	USACE			ENP		
NP201		19	21	7.12	USACE			ENP		
NP36		17	14	4.33	USACE			ENP		
NP38		16	9	1.92	USACE			ENP		
NP46		17	7	1.75	USACE			ENP		
NP67		22	7	2.52	USACE					
NP33		20	17	6.12	USACE			ENP		
NP34		13	17	2.59	USACE			ENP		
NP44		19	11	3.53	USACE			ENP		
NP206		21	15	6.05	USACE			ENP		
NESR2		25	21	6.73	USACE			ENP		
THSO		23	9	3.93	USACE					
RG2		23	15	5.55	USACE			ENP		
G3273		24	17	6.11	USACE		PA	ENP		
ANGEL		25	17	5.31	USACE		PA			
ANGEL		26	17	5.31	USACE		PA			
EVER4		25	8	2.33	USACE		PA	SA3		
E112		23	10	4.87	USACE			ENP		
G620		18	19	6.24	USACE			ENP		

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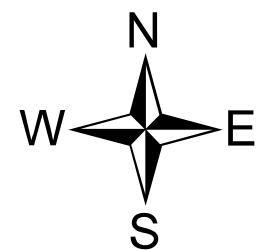
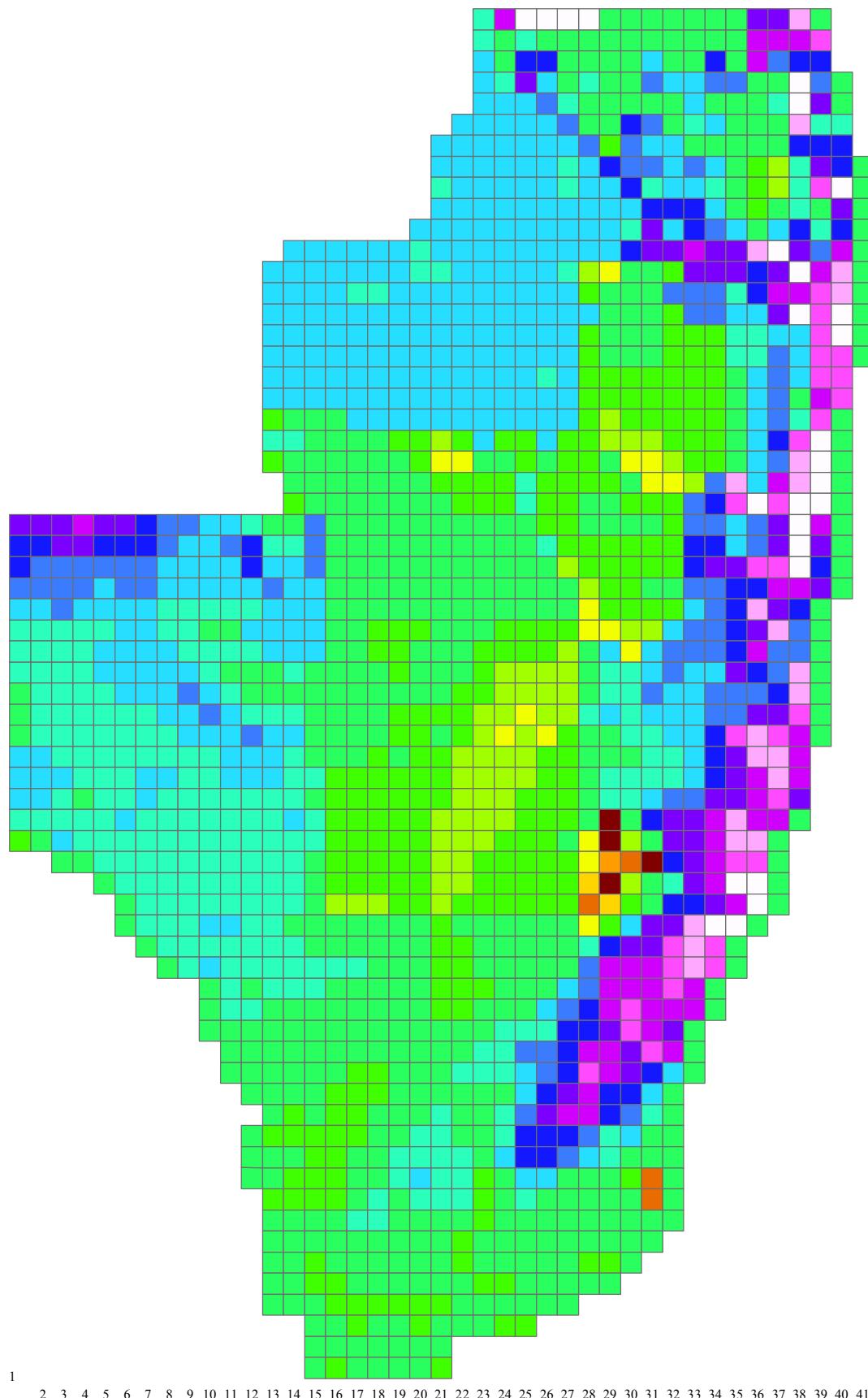
SFWMM DYNAMIC POSITION ANALYSIS RUN
INITIAL STAGE VALUES JAN 17, 2019



CREATED: 29JAN2019

SFWMM DYNAMIC POSITION ANALYSIS RUN
PONDING DEPTH VALUES JAN 17, 2019

77
75
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0 5 10 20
Miles

**Ponding Depth
(Feet)**

<= -8.0
-7.9 - -7
-6.9 - -6
-5.9 - -5
-4.9 - -4
-3.9 - -3
-2.9 - -2
-1.9 - -1
-0.9 - 0.0
0.01 - 1.0
1.1 - 2.0
2.1 - 3.0
3.1 - 4.0
4.1 - 5.0
5.1 - 6.0
6.1 - 7.0
7.1 - 8.0
> 8.0

Lake Okeechobee Band Probabilities (%) at the Begining of Each Month
 '(See assumptions on the Position Analysis Results website)'
 Initial Stage 13.16 ft. for 01/01/2020

Date	HLM	High	Inter	Low	Base	Bene	WSM
2020 01 01	2.4	0.0	0.0	0.0	95.2	0.0	2.4
2020 02 01	2.4	0.0	0.0	0.0	95.2	0.0	2.4
2020 03 01	2.4	0.0	0.0	11.9	48.4	34.9	2.4
2020 04 01	2.4	0.0	5.1	8.0	39.9	41.9	2.7
2020 05 01	2.4	0.0	-0.0	9.1	28.4	56.1	4.0
2020 06 01	2.4	0.0	-0.0	8.7	22.6	49.4	17.0
2020 07 01	2.4	0.0	-0.0	16.6	24.2	30.9	25.9
2020 08 01	2.4	0.0	-0.0	19.5	26.3	19.1	32.7
2020 09 01	2.4	0.0	0.0	35.8	23.1	1.9	36.7
2020 10 01	2.4	0.0	7.8	26.7	28.0	0.0	35.1
2020 11 01	2.4	2.6	6.2	33.1	30.7	0.9	24.2
2020 12 01	2.4	0.0	6.9	38.2	27.7	6.4	18.4

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 - January 17, 2020 DPA Final LOK Stage 13.02

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

Year	Mon	SSM				Convey.	% Cutback	Total Cutback	% Total Cutback
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume				
1965	10	13	0	0.91	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	46.57	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	40.71	0.00	0.00	0.00	0.00	0.00
1966	1	0	0	21.96	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	15.91	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	64.60	0.00	0.00	0.00	0.00	0.00
1966	4	0	0	58.56	0.00	0.00	0.00	0.00	0.00
1966	5	0	0	49.61	0.00	0.00	0.01	0.01	0.01
1966	6	0	0	5.79	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
1966	8	0	0	0.88	0.00	0.00	0.00	0.00	0.00
1966	9	0	0	1.18	0.00	0.00	0.00	0.00	0.00
Year	Mon	SSM				Convey.	% Cutback	Total Cutback	% Total Cutback
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume				
1966	10	0	0	6.67	0.00	0.00	0.00	0.00	0.00
1966	11	0	0	82.79	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	53.87	0.00	0.00	0.00	0.00	0.00
1967	1	0	0	36.63	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	25.88	0.00	0.00	0.01	0.04	0.01
1967	3	0	0	78.94	0.00	0.00	0.00	0.00	0.00
1967	4	0	0	165.85	0.00	0.00	0.02	0.01	0.02
1967	5	26	21	218.65	55.06	25.18	2.17	0.99	57.23
1967	6	30	3	33.76	3.18	9.43	5.91	17.52	9.10
1967	7	31	1	5.62	1.06	18.85	0.00	0.00	1.06
1967	8	31	4	6.10	0.81	13.25	0.00	0.00	0.81
1967	9	30	9	12.91	5.84	45.25	0.00	0.00	5.84
Year	Mon	SSM				Convey.	% Cutback	Total Cutback	% Total Cutback
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume				
1967	10	31	0	1.17	0.00	0.00	0.00	0.00	0.00
1967	11	30	18	89.02	12.24	13.75	0.33	0.37	12.57
1967	12	31	2	31.52	0.52	1.63	0.03	0.09	0.54
1968	1	0	0	55.56	0.00	0.00	0.00	0.00	0.00
1968	2	0	0	36.46	0.00	0.00	0.04	0.12	0.04
1968	3	0	0	75.30	0.00	0.00	0.01	0.01	0.01
1968	4	0	0	130.31	0.00	0.00	0.00	0.00	0.00
1968	5	0	0	27.45	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
1968	7	0	0	11.05	0.00	0.00	0.00	0.00	0.00
1968	8	0	0	8.84	0.00	0.00	0.00	0.00	0.00
1968	9	0	0	7.99	0.00	0.00	0.00	0.00	0.00

Year	Mon					SSM	Convey.	%		
		# Days SSM	# Days SSMwC.B.	Supplem. Volume	Cutback Volume	% SSM Cutback	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	34.98	0.00	0.00	0.00	0.00	0.00	0.00
1968	12	0	0	83.72	0.00	0.00	0.00	0.00	0.00	0.00
1969	1	0	0	42.45	0.00	0.00	0.00	0.00	0.00	0.00
1969	2	0	0	46.08	0.00	0.00	0.00	0.00	0.00	0.00
1969	3	0	0	12.24	0.00	0.00	0.00	0.00	0.00	0.00
1969	4	0	0	64.11	0.00	0.00	0.00	0.00	0.00	0.00
1969	5	0	0	25.10	0.00	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	22.64	0.00	0.00	0.00	0.00	0.00	0.00
1969	7	0	0	22.06	0.00	0.00	0.03	0.16	0.03	0.16
1969	8	0	0	1.41	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					SSM	Convey.	%		
# Days SSM	# Days SSMwC.B.	Supplem. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Cutback Convey.	Total Cutback	% Total Cutback		
1969	10	0	0	7.49	0.00	0.00	0.00	0.00	0.00	0.00
1969	11	0	0	10.95	0.00	0.00	0.00	0.00	0.00	0.00
1969	12	0	0	16.80	0.00	0.00	0.00	0.00	0.00	0.00
1970	1	0	0	31.26	0.00	0.00	0.00	0.00	0.00	0.00
1970	2	0	0	11.30	0.00	0.00	0.00	0.00	0.00	0.00
1970	3	0	0	13.85	0.00	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	73.47	0.00	0.00	0.00	0.00	0.00	0.00
1970	5	0	0	161.29	0.00	0.00	0.02	0.02	0.02	0.02
1970	6	0	0	9.45	0.00	0.00	0.00	0.00	0.00	0.00
1970	7	0	0	10.38	0.00	0.00	0.00	0.00	0.00	0.00
1970	8	0	0	6.27	0.00	0.00	0.00	0.00	0.00	0.00
1970	9	0	0	8.77	0.00	0.00	0.00	0.00	0.00	0.00
Year	Mon					SSM	Convey.	%		
# Days SSM	# Days SSMwC.B.	Supplem. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Cutback Convey.	Total Cutback	% Total Cutback		
1970	10	0	0	9.87	0.00	0.00	0.00	0.00	0.00	0.00
1970	11	0	0	88.18	0.00	0.00	0.00	0.00	0.00	0.00
1970	12	0	0	89.37	0.00	0.00	0.00	0.00	0.00	0.00
1971	1	0	0	40.92	0.00	0.00	0.00	0.00	0.00	0.00
1971	2	0	0	47.69	0.00	0.00	0.03	0.06	0.03	0.06
1971	3	0	0	114.07	0.00	0.00	0.00	0.00	0.00	0.00
1971	4	0	0	171.89	0.00	0.00	0.05	0.03	0.05	0.03
1971	5	11	4	102.18	7.96	7.79	0.51	0.50	8.47	8.29
1971	6	30	4	34.37	2.04	5.95	0.08	0.23	2.12	6.18
1971	7	31	0	0.65	0.00	0.00	0.00	0.00	0.00	0.00
1971	8	31	0	4.41	0.00	0.00	0.00	0.00	0.00	0.00
1971	9	30	0	12.50	0.00	0.00	0.00	0.00	0.00	0.00
Year	Mon					SSM	Convey.	%		
# Days SSM	# Days SSMwC.B.	Supplem. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Cutback Convey.	Total Cutback	% Total Cutback		
1971	10	17	3	14.52	4.80	33.08	0.00	0.00	4.80	33.08
1971	11	0	0	40.37	0.00	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	49.58	0.00	0.00	0.00	0.00	0.00	0.00
1972	1	0	0	28.73	0.00	0.00	0.00	0.00	0.00	0.00
1972	2	0	0	32.55	0.00	0.00	0.00	0.00	0.00	0.00
1972	3	0	0	86.70	0.00	0.00	0.07	0.09	0.07	0.09
1972	4	0	0	42.68	0.00	0.00	0.00	0.00	0.00	0.00
1972	5	0	0	23.63	0.00	0.00	0.00	0.00	0.00	0.00
1972	6	0	0	31.28	0.00	0.00	0.62	2.00	0.62	2.00
1972	7	0	0	27.33	0.00	0.00	0.00	0.00	0.00	0.00
1972	8	0	0	37.97	0.00	0.00	0.05	0.12	0.05	0.12
1972	9	21	10	32.35	9.48	29.32	0.00	0.00	9.48	29.32

Year	Mon					SSM	Convey.	%		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Cutback Convey.	Total Cutback	% Total Cutback
1972	10	31	16	78.85	14.44	18.31	0.00	0.00	14.44	18.31
1972	11	30	5	27.20	4.17	15.35	0.70	2.56	4.87	17.91
1972	12	31	0	26.19	0.00	0.00	0.03	0.10	0.03	0.10
1973	1	0	0	26.45	0.00	0.00	0.00	0.00	0.00	0.00
1973	2	0	0	11.15	0.00	0.00	0.26	2.36	0.26	2.36
1973	3	0	0	58.95	0.00	0.00	0.28	0.47	0.28	0.47
1973	4	0	0	93.90	0.00	0.00	0.00	0.00	0.00	0.00
1973	5	0	0	116.39	0.00	0.00	0.00	0.00	0.00	0.00
1973	6	0	0	27.46	0.00	0.00	0.00	0.00	0.00	0.00
1973	7	0	0	1.87	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	0.61	0.00	0.00	0.00	0.00	0.00	0.00
Year	Mon					SSM	Convey.	%		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Cutback Convey.	Total Cutback	% Total Cutback
1973	10	0	0	17.99	0.00	0.00	0.00	0.00	0.00	0.00
1973	11	0	0	91.72	0.00	0.00	0.00	0.00	0.00	0.00
1973	12	0	0	26.49	0.00	0.00	0.00	0.00	0.00	0.00
1974	1	0	0	52.43	0.00	0.00	0.00	0.00	0.00	0.00
1974	2	0	0	78.15	0.00	0.00	0.00	0.00	0.00	0.00
1974	3	4	4	125.79	5.32	4.23	0.01	0.01	5.32	4.23
1974	4	30	4	112.04	2.81	2.50	0.01	0.01	2.81	2.51
1974	5	31	11	110.65	18.05	16.31	1.09	0.98	19.14	17.29
1974	6	30	0	10.18	0.00	0.00	0.89	8.71	0.89	8.71
1974	7	4	0	1.68	0.00	0.00	0.56	33.00	0.56	33.00
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					SSM	Convey.	%		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Cutback Convey.	Total Cutback	% Total Cutback
1974	10	0	0	25.56	0.00	0.00	0.00	0.00	0.00	0.00
1974	11	0	0	63.91	0.00	0.00	0.00	0.00	0.00	0.00
1974	12	0	0	18.19	0.00	0.00	0.00	0.00	0.00	0.00
1975	1	0	0	52.97	0.00	0.00	0.00	0.00	0.00	0.00
1975	2	0	0	66.59	0.00	0.00	0.04	0.06	0.04	0.06
1975	3	0	0	96.73	0.00	0.00	0.00	0.00	0.00	0.00
1975	4	0	0	112.97	0.00	0.00	0.00	0.00	0.00	0.00
1975	5	0	0	43.33	0.00	0.00	0.29	0.67	0.29	0.67
1975	6	0	0	4.71	0.00	0.00	0.00	0.00	0.00	0.00
1975	7	22	0	2.61	0.00	0.00	0.00	0.00	0.00	0.00
1975	8	31	4	8.60	2.52	29.24	0.00	0.00	2.52	29.25
1975	9	30	0	0.49	0.00	0.00	0.00	0.00	0.00	0.00
Year	Mon					SSM	Convey.	%		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Cutback Convey.	Total Cutback	% Total Cutback
1975	10	16	0	3.44	0.00	0.00	0.00	0.00	0.00	0.00
1975	11	0	0	53.32	0.00	0.00	0.00	0.00	0.00	0.00
1975	12	0	0	76.72	0.00	0.00	0.00	0.00	0.00	0.00
1976	1	0	0	49.94	0.00	0.00	0.00	0.00	0.00	0.00
1976	2	0	0	64.02	0.00	0.00	0.00	0.00	0.00	0.00
1976	3	0	0	71.05	0.00	0.00	0.00	0.00	0.00	0.00
1976	4	0	0	111.34	0.00	0.00	0.00	0.00	0.00	0.00
1976	5	0	0	9.63	0.00	0.00	0.00	0.00	0.00	0.00
1976	6	0	0	16.63	0.00	0.00	0.00	0.00	0.00	0.00
1976	7	0	0	18.69	0.00	0.00	0.03	0.17	0.03	0.17
1976	8	0	0	2.60	0.00	0.00	0.00	0.00	0.00	0.00
1976	9	0	0	2.33	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	SSM				Convey.	% Cutback	Total Cutback	% Total Cutback	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume					
2000	10	31	10	43.59	8.09	18.55	0.00	0.00	8.09	18.56
2000	11	30	29	106.40	48.62	45.69	0.14	0.13	48.76	45.83
2000	12	31	26	80.02	32.51	40.63	0.00	0.00	32.51	40.63
2001	1	0	0	34.80	0.00	0.00	0.00	0.00	0.00	0.00
2001	2	0	0	93.89	0.00	0.00	0.00	0.00	0.00	0.00
2001	3	0	0	59.39	0.00	0.00	0.06	0.11	0.06	0.11
2001	4	0	0	119.59	0.00	0.00	0.00	0.00	0.00	0.00
2001	5	0	0	139.79	0.00	0.00	0.34	0.24	0.34	0.24
2001	6	26	3	45.77	4.04	8.82	0.00	0.00	4.04	8.82
2001	7	31	2	11.76	3.06	26.06	0.00	0.00	3.06	26.06
2001	8	31	11	28.20	13.70	48.58	0.00	0.00	13.70	48.58
2001	9	13	2	6.40	2.28	35.63	0.00	0.00	2.28	35.63
Year	Mon	SSM				Convey.	% Cutback	Total Cutback	% Total Cutback	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Convey.	% Total Cutback	
2001	10	0	0	10.08	0.00	0.00	0.00	0.00	0.00	0.00
2001	11	0	0	41.36	0.00	0.00	0.00	0.00	0.00	0.00
2001	12	0	0	41.28	0.00	0.00	0.00	0.00	0.00	0.00
2002	1	0	0	47.01	0.00	0.00	0.00	0.00	0.00	0.00
2002	2	0	0	30.10	0.00	0.00	0.09	0.29	0.09	0.29
2002	3	0	0	80.21	0.00	0.00	0.01	0.01	0.01	0.01
2002	4	0	0	104.64	0.00	0.00	0.00	0.00	0.00	0.00
2002	5	10	2	152.48	3.06	2.01	0.23	0.15	3.29	2.16
2002	6	28	10	72.60	29.68	40.89	2.84	3.92	32.53	44.81
2002	7	0	0	12.48	0.00	0.00	0.00	0.00	0.00	0.00
2002	8	0	0	14.66	0.00	0.00	0.02	0.15	0.02	0.15
2002	9	0	0	10.68	0.00	0.00	0.00	0.00	0.00	0.00
Year	Mon	SSM				Convey.	% Cutback	Total Cutback	% Total Cutback	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Convey.	% Total Cutback	
2002	10	0	0	11.86	0.00	0.00	0.00	0.00	0.00	0.00
2002	11	0	0	30.77	0.00	0.00	0.00	0.00	0.00	0.00
2002	12	0	0	7.63	0.00	0.00	0.00	0.00	0.00	0.00
2003	1	0	0	53.20	0.00	0.00	0.00	0.00	0.00	0.00
2003	2	0	0	55.73	0.00	0.00	0.61	1.10	0.61	1.10
2003	3	0	0	34.73	0.00	0.00	0.06	0.17	0.06	0.17
2003	4	0	0	67.83	0.00	0.00	0.00	0.00	0.00	0.00
2003	5	0	0	55.11	0.00	0.00	0.00	0.00	0.00	0.00
2003	6	0	0	16.01	0.00	0.00	0.00	0.00	0.00	0.00
2003	7	0	0	15.81	0.00	0.00	0.21	1.30	0.21	1.30
2003	8	0	0	0.01	0.00	0.00	0.00	0.00	0.00	0.00
2003	9	0	0	1.21	0.00	0.00	0.00	0.00	0.00	0.00
Year	Mon	SSM				Convey.	% Cutback	Total Cutback	% Total Cutback	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Convey.	% Total Cutback	
2003	10	0	0	41.08	0.00	0.00	0.00	0.00	0.00	0.00
2003	11	0	0	32.60	0.00	0.00	0.00	0.00	0.00	0.00
2003	12	0	0	28.51	0.00	0.00	0.01	0.02	0.01	0.02
2004	1	0	0	21.98	0.00	0.00	0.00	0.00	0.00	0.00
2004	2	0	0	16.44	0.00	0.00	0.01	0.09	0.01	0.09
2004	3	0	0	99.10	0.00	0.00	0.00	0.00	0.00	0.00
2004	4	0	0	97.32	0.00	0.00	0.00	0.00	0.00	0.00
2004	5	0	0	194.92	0.00	0.00	0.07	0.04	0.07	0.04
2004	6	26	7	54.80	15.78	28.81	0.00	0.00	15.79	28.81
2004	7	31	18	51.82	27.30	52.68	0.03	0.06	27.33	52.74
2004	8	31	0	0.19	0.00	0.00	0.13	65.97	0.13	65.97
2004	9	6	0	0.26	0.00	0.00	0.11	43.55	0.11	43.55

Year	Mon	SSM			Convey.			% Total		
		# Days SSM	# Days SSMwC.B.	Supplem. Volume	Cutback Volume	% SSM Cutback	Convey. Volume	Cutback Convey.	Total Cutback	% Total Cutback
2004	10	0	0	8.40	0.00	0.00	0.00	0.00	0.00	
2004	11	0	0	42.86	0.00	0.00	0.00	0.00	0.00	
2004	12	0	0	59.05	0.00	0.00	0.00	0.00	0.00	
2005	1	0	0	50.68	0.00	0.00	0.00	0.00	0.00	
2005	2	0	0	78.38	0.00	0.00	0.09	0.11	0.09	
2005	3	0	0	0.40	0.00	0.00	0.00	0.00	0.00	
2005	4	0	0	58.92	0.00	0.00	0.00	0.00	0.00	
2005	5	0	0	66.48	0.00	0.00	0.03	0.05	0.03	
2005	6	0	0	4.16	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	
2005	8	0	0	5.98	0.00	0.00	0.00	0.00	0.00	
2005	9	0	0	12.74	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)

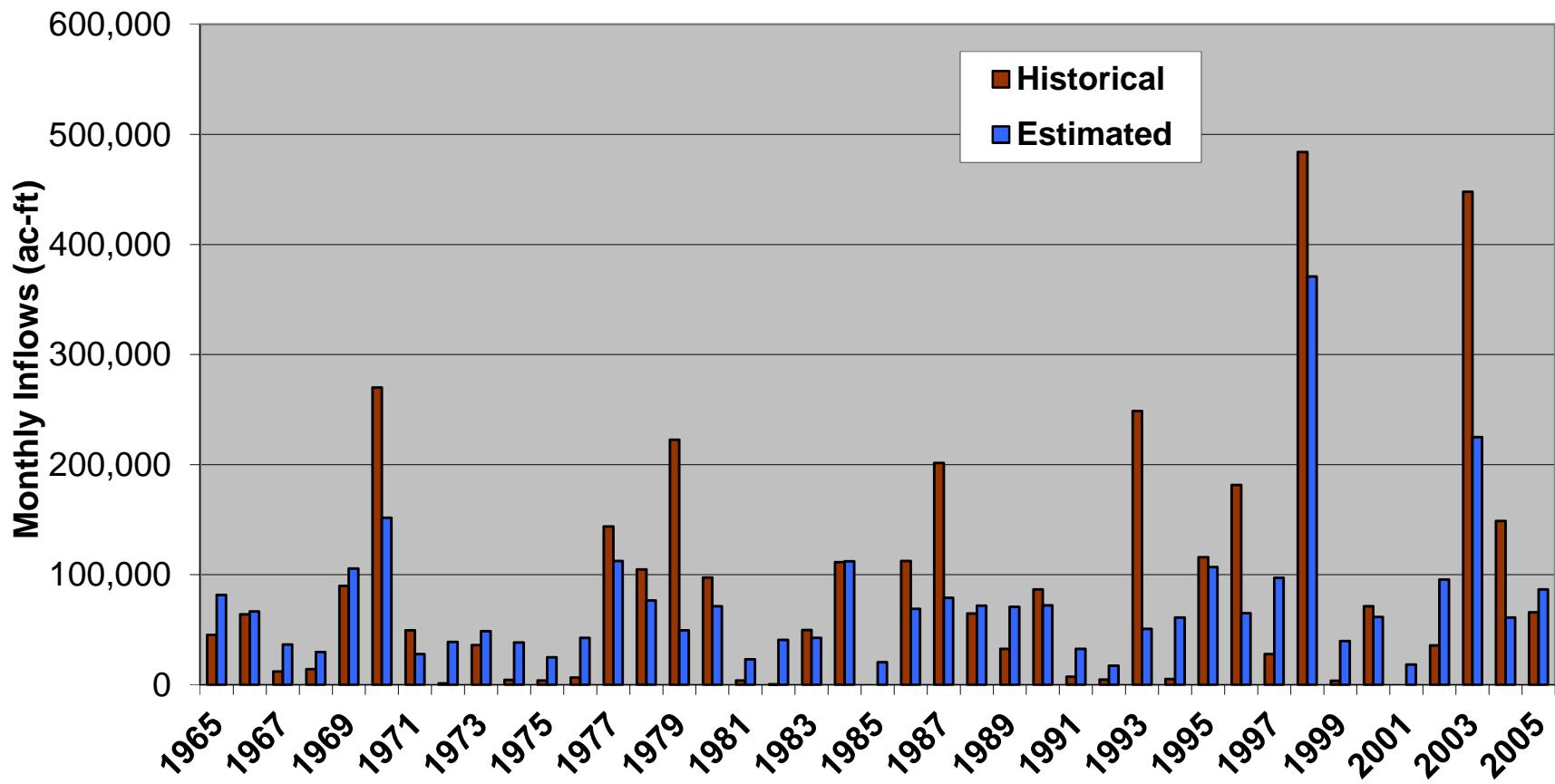
Run:

SFWMM v6.7.4 - January 17, 2020 DPA Final LOK Stage 13.02

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

Wat_Year	SSM			Convey.			% Total		
	# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
<hr/>									
1966	13	0	306.68	0.00	0.00	0.01	0.00	0.01	0.00
1967	148	38	727.66	65.96	9.06	8.11	1.11	74.07	10.18
1968	92	20	475.52	12.76	2.68	0.41	0.09	13.16	2.77
1969	0	0	356.03	0.00	0.00	0.03	0.01	0.03	0.01
1970	0	0	361.30	0.00	0.00	0.02	0.01	0.02	0.01
1971	133	8	716.10	10.00	1.40	0.66	0.09	10.67	1.49
1972	38	13	447.69	14.29	3.19	0.75	0.17	15.03	3.36
1973	92	21	469.33	18.61	3.97	1.26	0.27	19.87	4.23
1974	99	19	628.12	26.17	4.17	2.54	0.40	28.71	4.57
1975	83	4	496.67	2.52	0.51	0.34	0.07	2.85	0.57
1976	16	0	479.69	0.00	0.00	0.03	0.01	0.03	0.01
1977	101	10	602.17	22.32	3.71	0.35	0.06	22.67	3.77
1978	72	14	343.97	20.30	5.90	1.50	0.44	21.80	6.34
1979	52	5	485.74	4.74	0.98	1.85	0.38	6.59	1.36
1980	53	0	406.37	0.00	0.00	1.10	0.27	1.10	0.27
1981	234	61	754.16	102.18	13.55	3.67	0.49	105.86	14.04
1982	92	69	500.73	94.23	18.82	1.06	0.21	95.29	19.03
1983	0	0	439.83	0.00	0.00	0.02	0.00	0.02	0.00
1984	0	0	388.03	0.00	0.00	0.21	0.05	0.21	0.05
1985	117	7	618.68	27.63	4.47	0.33	0.05	27.96	4.52
1986	52	3	467.28	0.78	0.17	0.42	0.09	1.19	0.26
1987	74	29	580.22	43.80	7.55	1.00	0.17	44.80	7.72
1988	37	0	469.77	0.00	0.00	0.57	0.12	0.57	0.12
1989	127	29	697.34	40.48	5.81	4.89	0.70	45.37	6.51
1990	121	28	473.66	13.33	2.81	2.25	0.47	15.58	3.29
1991	10	0	367.49	0.00	0.00	0.03	0.01	0.03	0.01
1992	0	0	425.57	0.00	0.00	0.51	0.12	0.51	0.12
1993	43	3	529.81	4.93	0.93	0.01	0.00	4.93	0.93
1994	10	0	342.74	0.00	0.00	0.02	0.01	0.02	0.01
1995	0	0	310.08	0.00	0.00	0.35	0.11	0.35	0.11
1996	0	0	413.06	0.00	0.00	0.23	0.06	0.23	0.06
1997	0	0	414.15	0.00	0.00	1.29	0.31	1.29	0.31
1998	0	0	514.12	0.00	0.00	1.89	0.37	1.89	0.37
1999	34	6	519.53	3.71	0.71	1.25	0.24	4.97	0.96
2000	122	43	753.16	138.67	18.41	3.23	0.43	141.90	18.84
2001	193	83	769.60	112.30	14.59	0.55	0.07	112.85	14.66
2002	38	12	617.56	32.75	5.30	3.19	0.52	35.94	5.82
2003	0	0	349.91	0.00	0.00	0.88	0.25	0.88	0.25
2004	94	25	639.03	43.08	6.74	0.36	0.06	43.45	6.80
2005	0	0	407.72	0.00	0.00	0.12	0.03	0.12	0.03

January 17, 2020 Dynamic Position Analysis
Historical and Estimated S-65E Monthly Flow
for January from 1965 - 2005



January 17, 2020 Dynamic Position Analysis
Historical and Estimated S-65E Monthly Flow
for February from 1965 - 2005

