

Dynamic Position Analysis for March 15, 2020

SFWMM Model Simulation of 41 years (1965-2005)

Modeling Assumptions

Discussion of UPA Results

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 - [Dry Years](#)
 - [Wet Years](#)
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 - [Spaghetti Plot](#)
 - [All ENSO Years](#)
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 - [AMO / ENSO Sub-Sampling](#)
- WCA-3A
 - [Percentiles](#)
 - [Dry Years](#)
 - [Wet Years](#)
 - [Canal Sub-Sampling Years](#)
 - [AMO / ENSO Sub-Sampling](#)
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 - [Lake Kissimmee Stage at S65](#)
 - [Lake Toho Stage at S61](#)

March 15, 2020

Dynamic Position Analysis

Using Hybrid LOWSM

Modeling Assumptions

- March 15, 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 March 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 (~65% chance), continuing through summer 2020 (~55% 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:

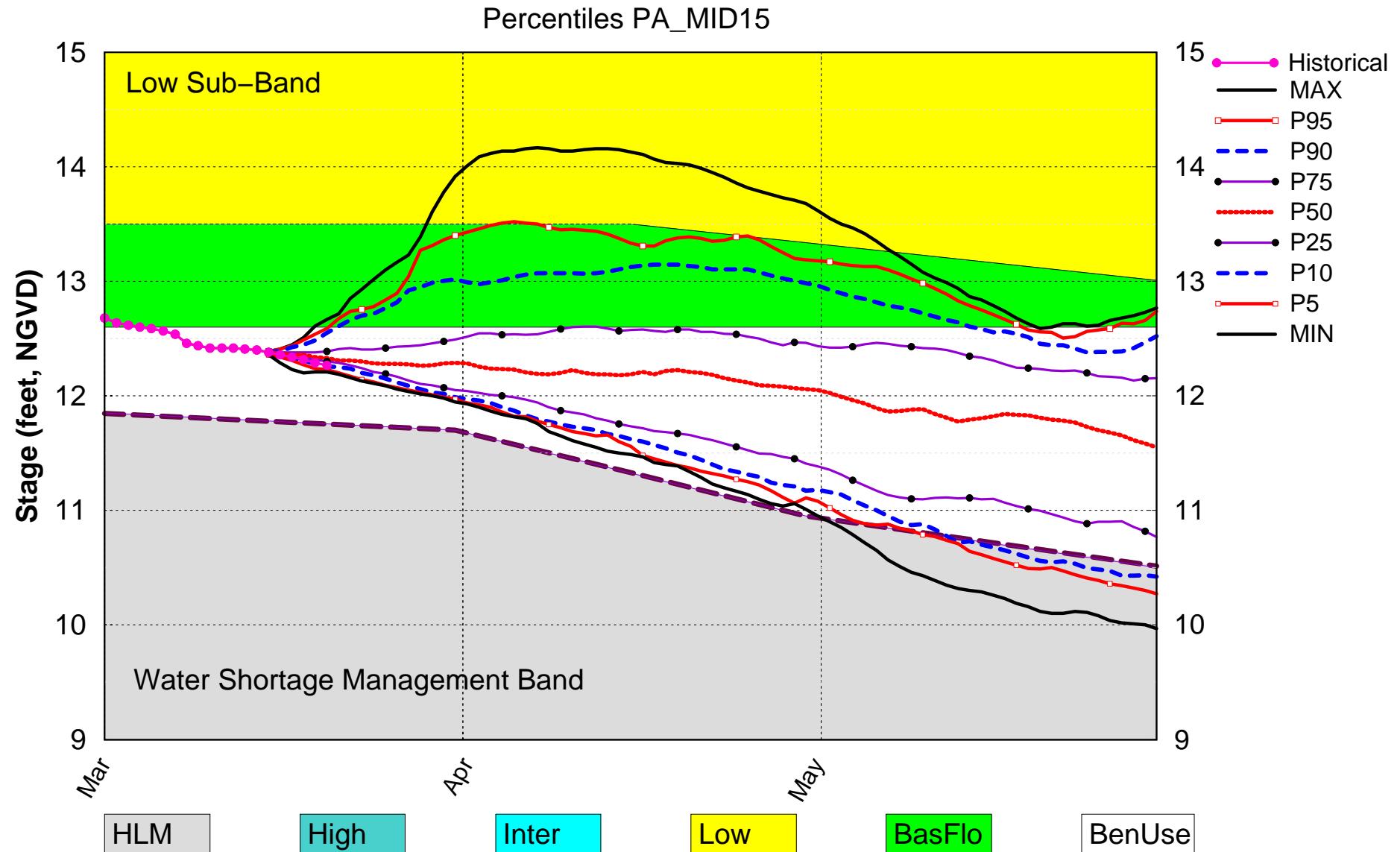
https://origin.cpc.ncep.noaa.gov/products/analysis_monitoring/ensostuff/ONI_v5.php

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](#).

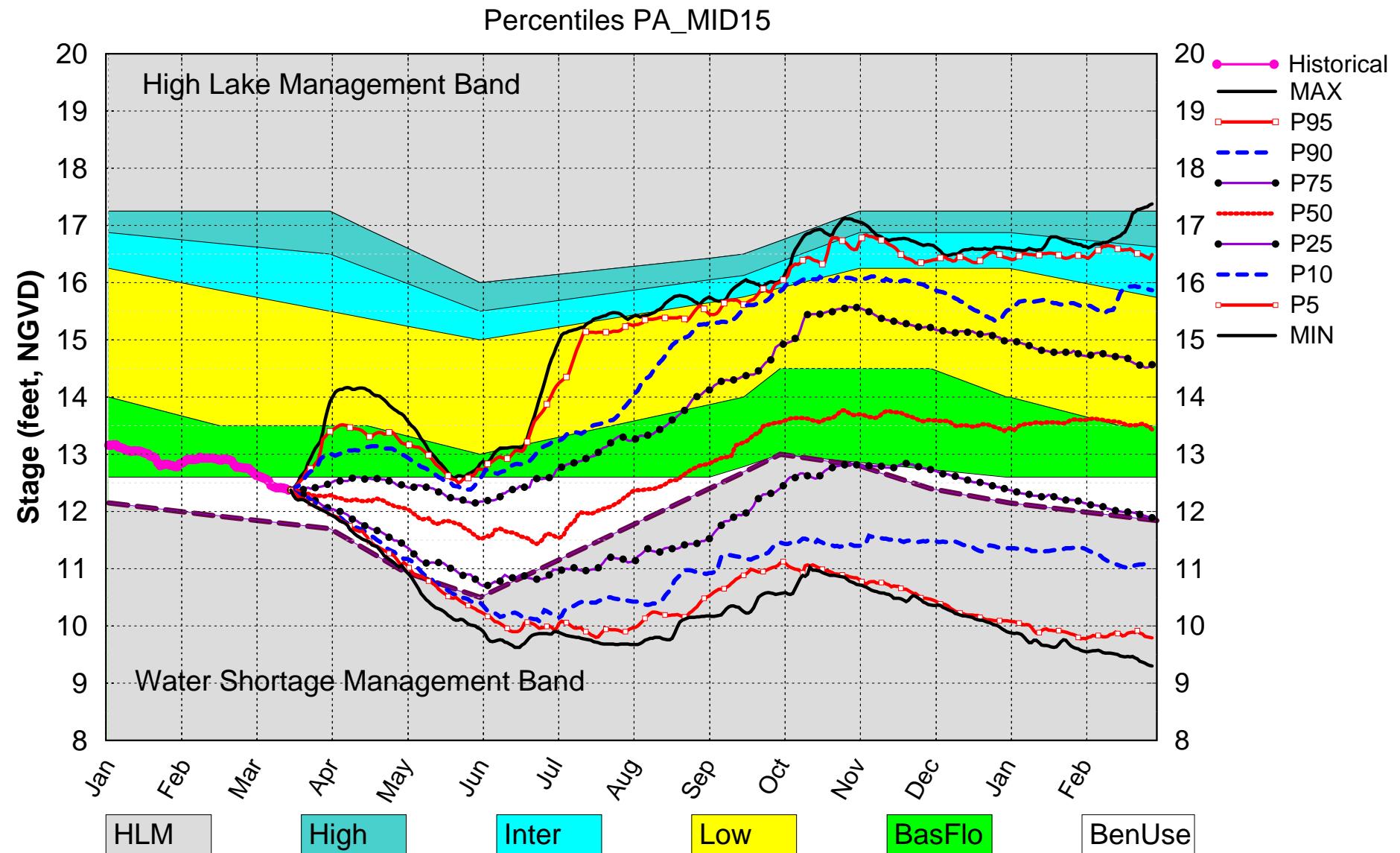
[**Back to Operational Planning Main Page**](#)

Lake Okeechobee SFWMM March 2020 Mid-Month Position Analysis



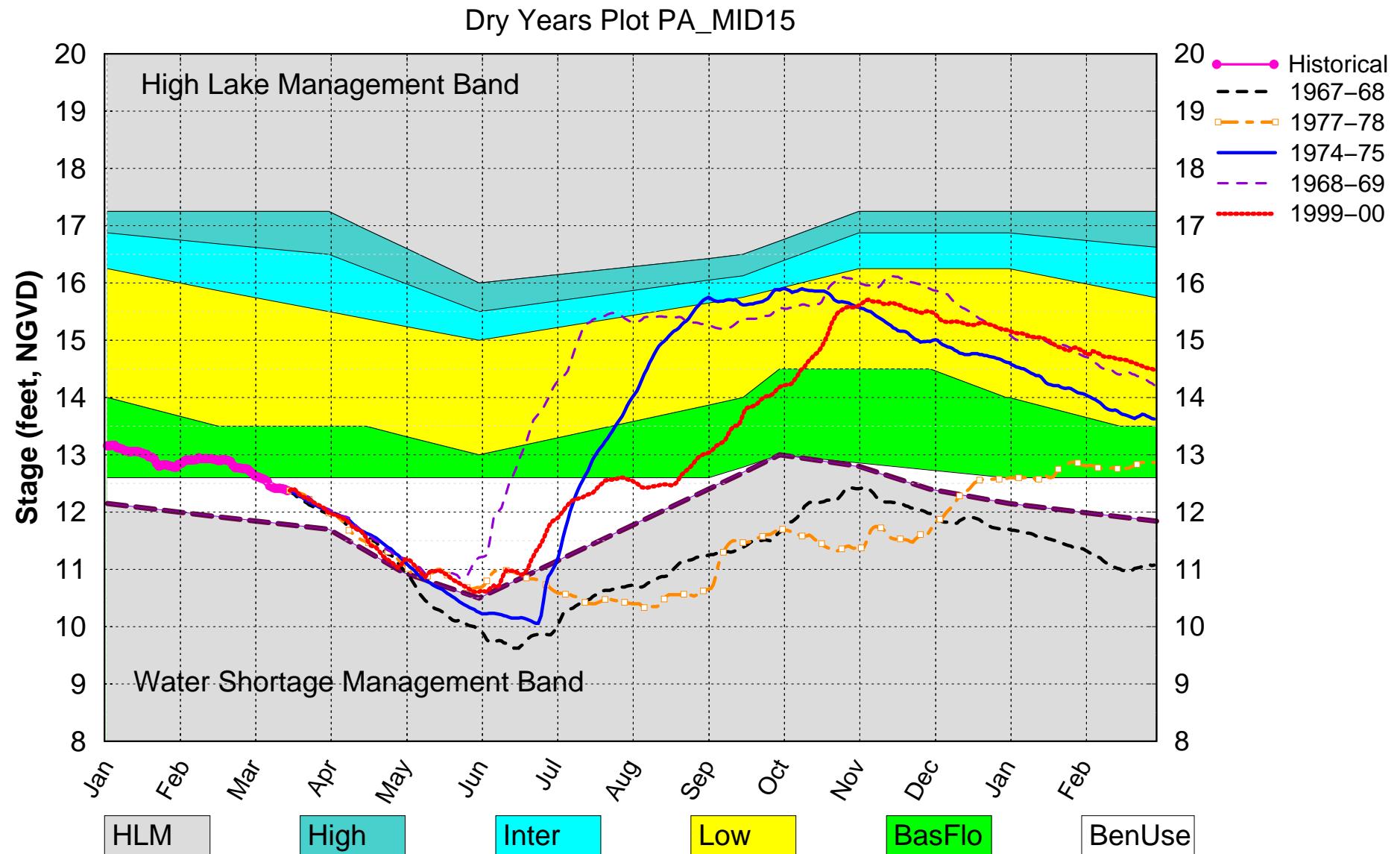
(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM March 2020 Mid-Month Position Analysis



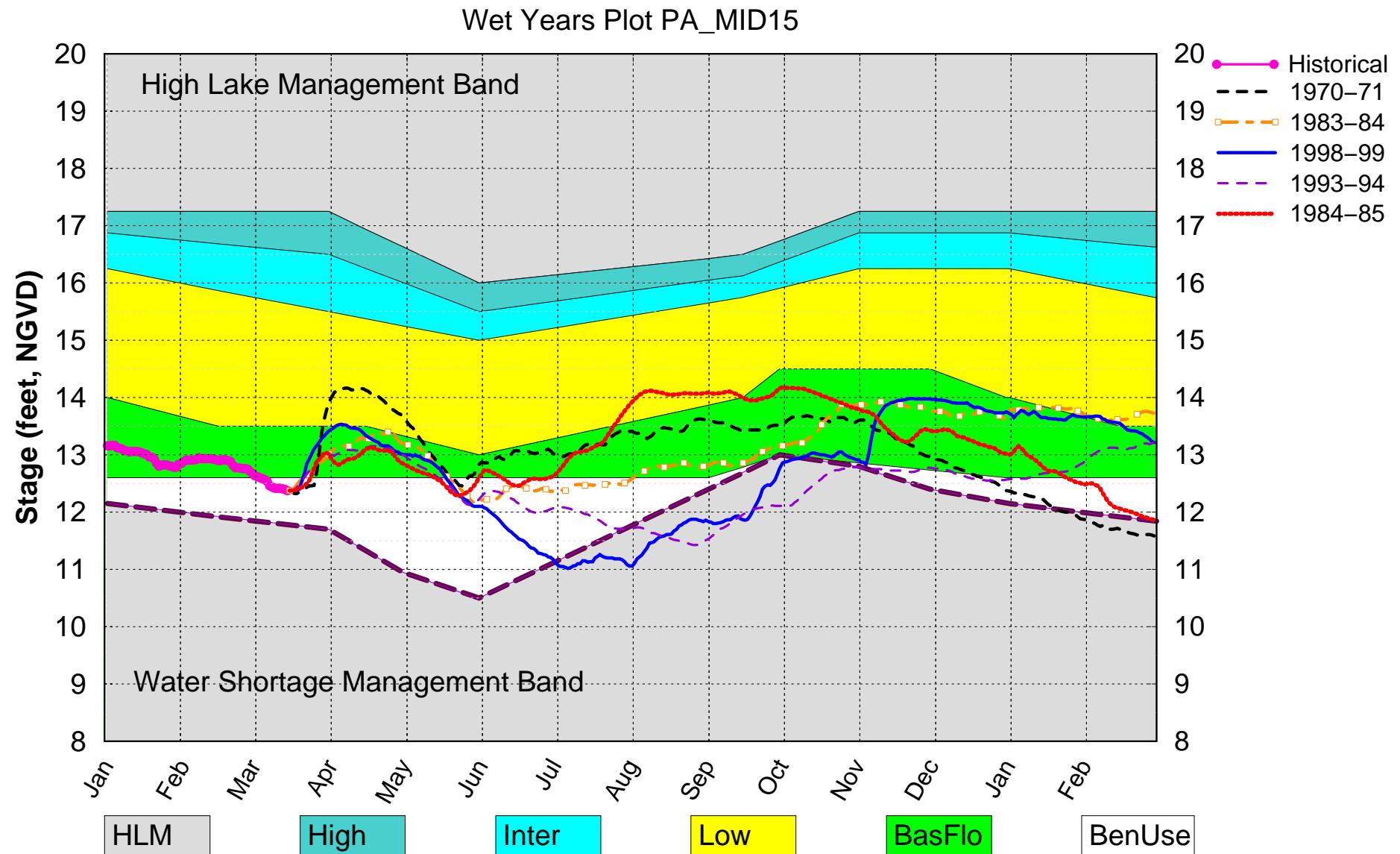
(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM March 2020 Mid-Month Position Analysis



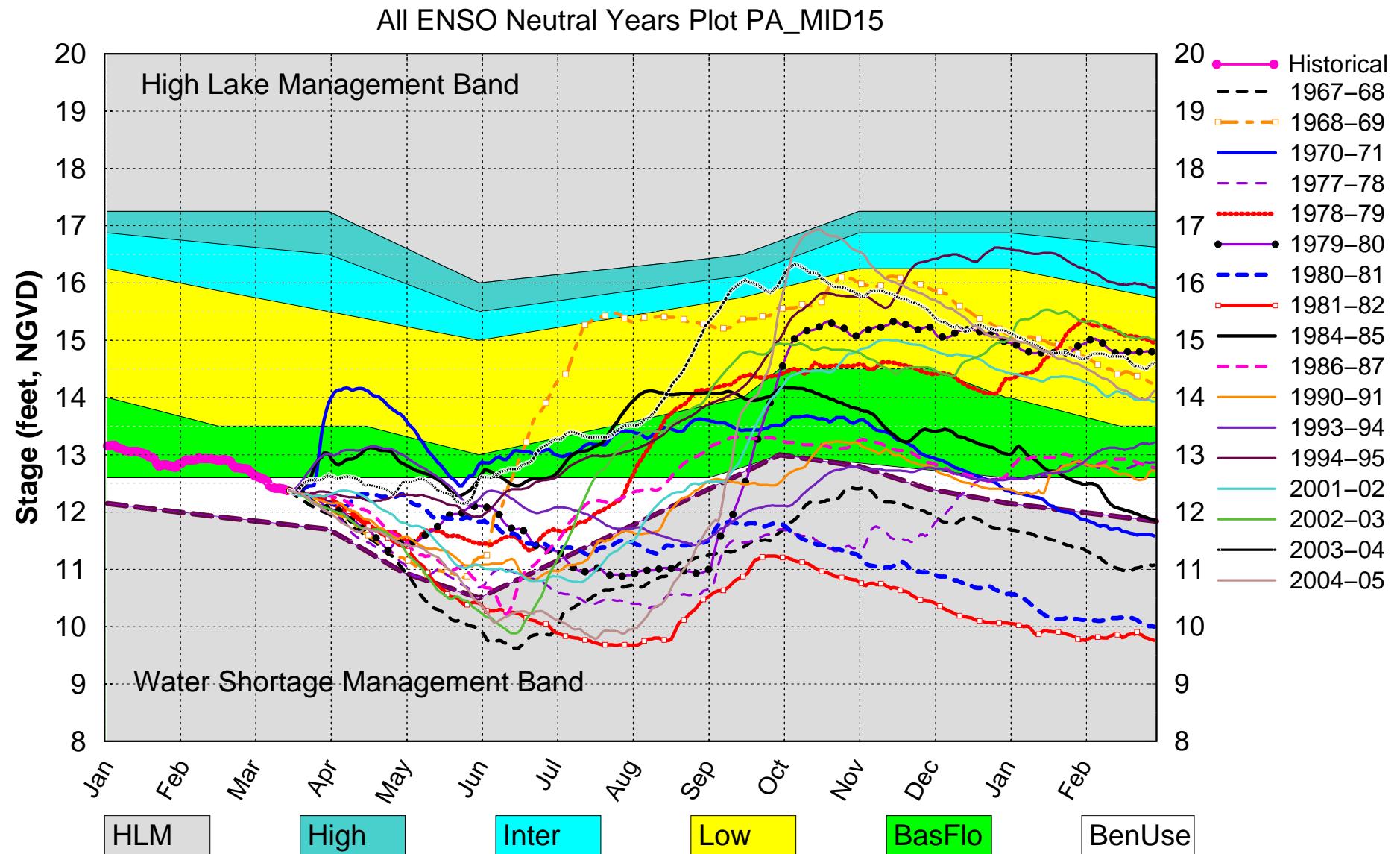
(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM March 2020 Mid-Month Position Analysis



(See assumptions on the Position Analysis Results website)

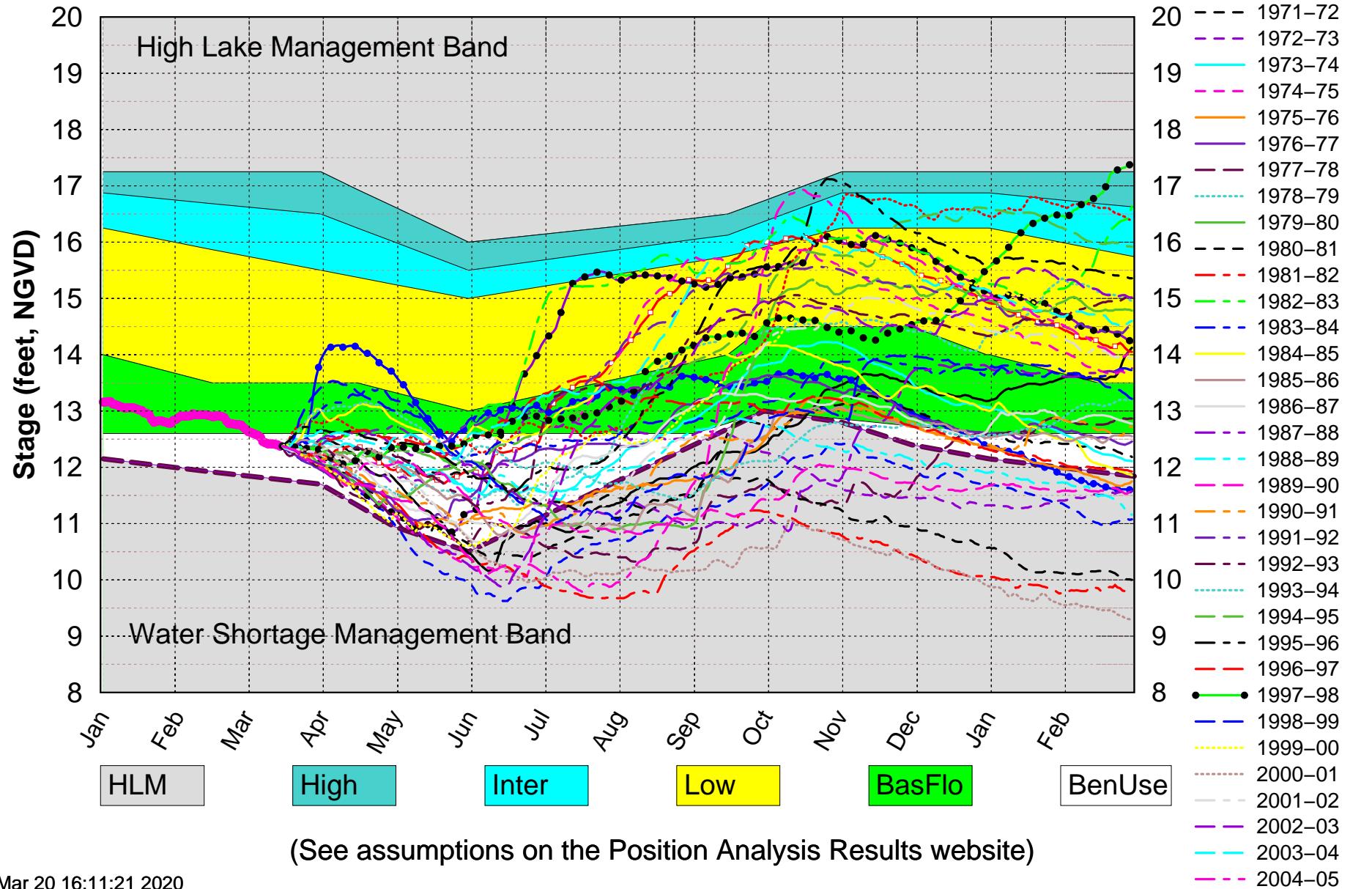
Lake Okeechobee SFWMM March 2020 Mid-Month Position Analysis



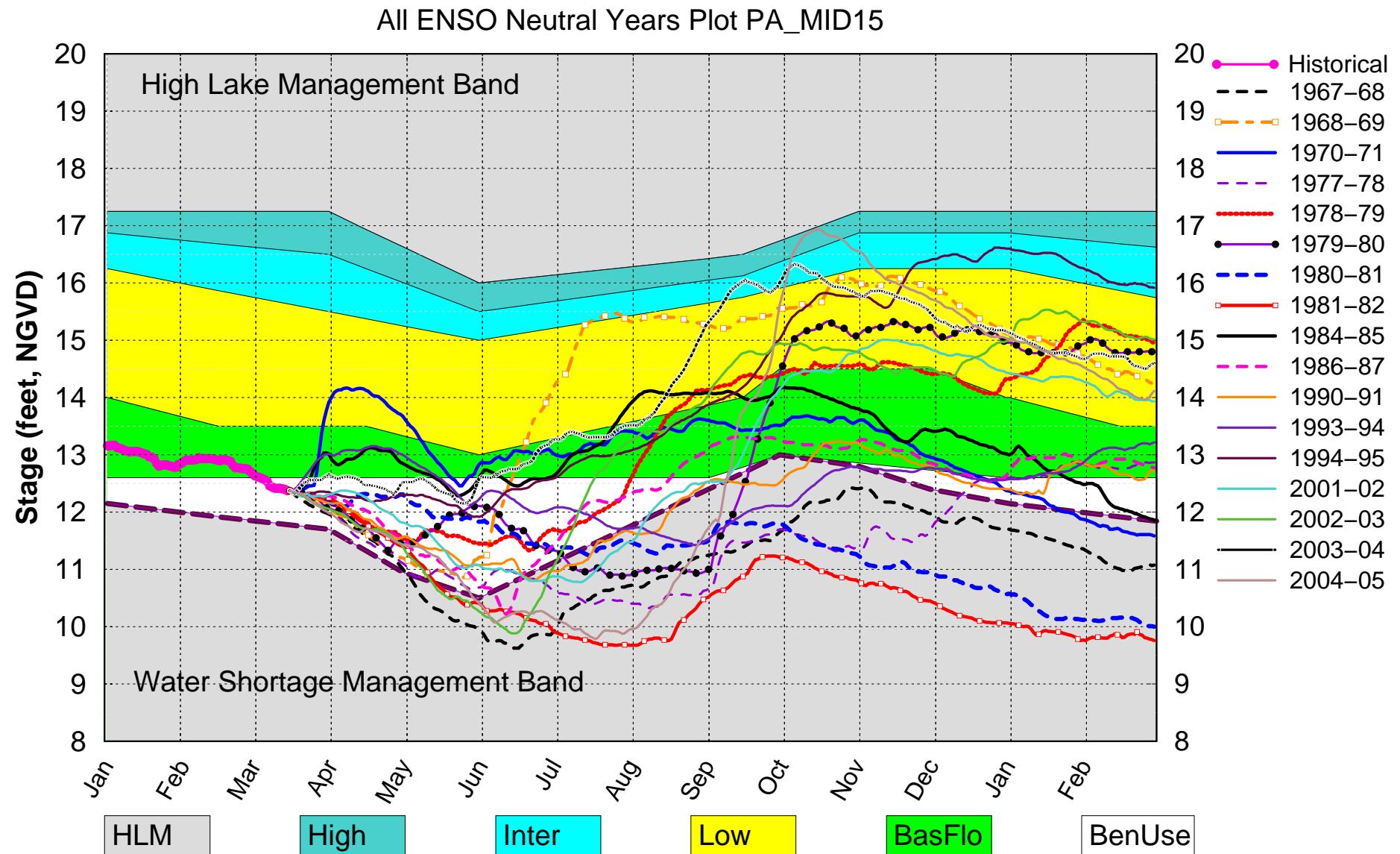
(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM March 2020 Mid-Month Position Analysis

All Simulated Years Plot PA_MID15



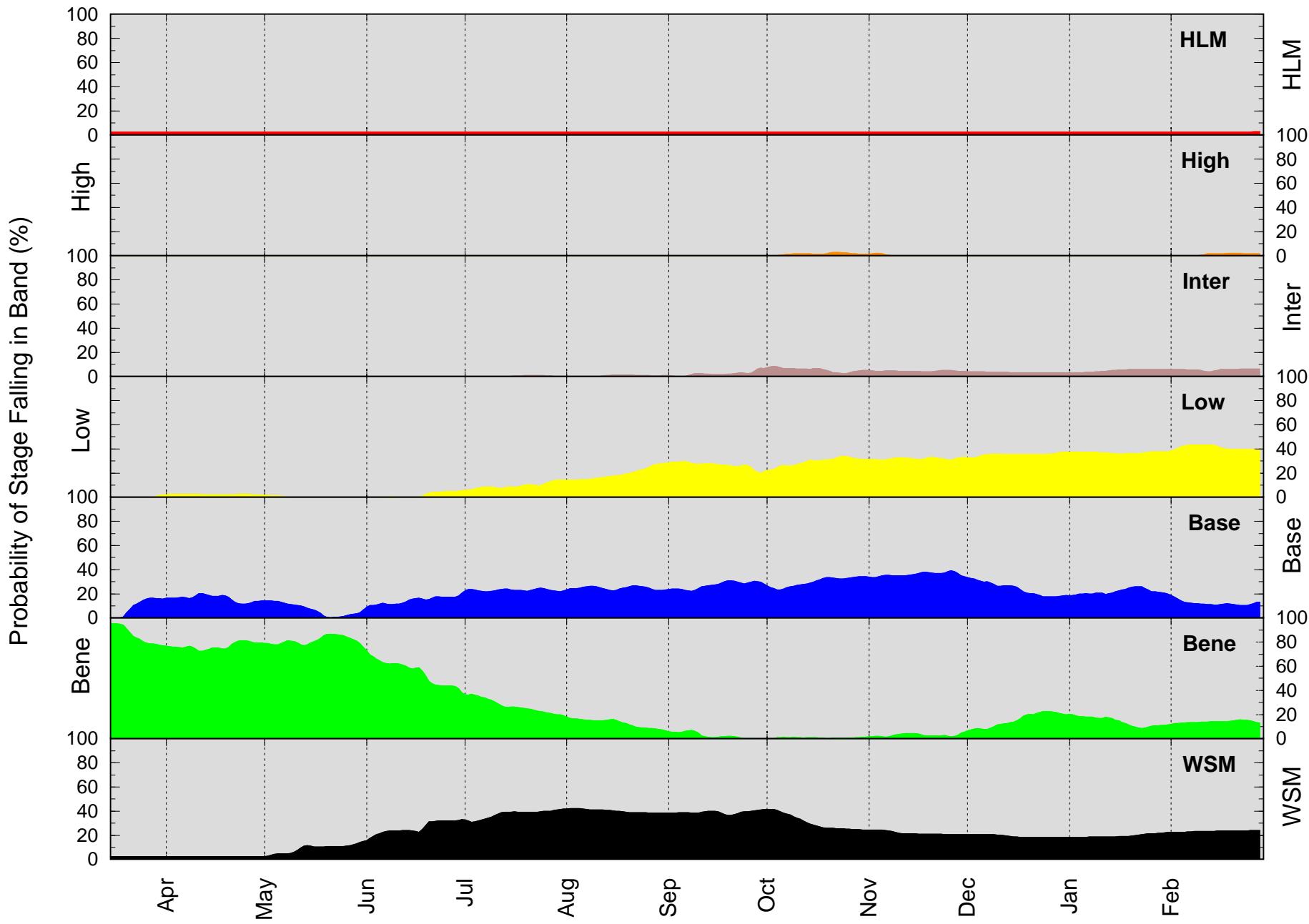
Lake Okeechobee SFWMM March 2020 Mid-Month Position Analysis



(See assumptions on the Position Analysis Results website)

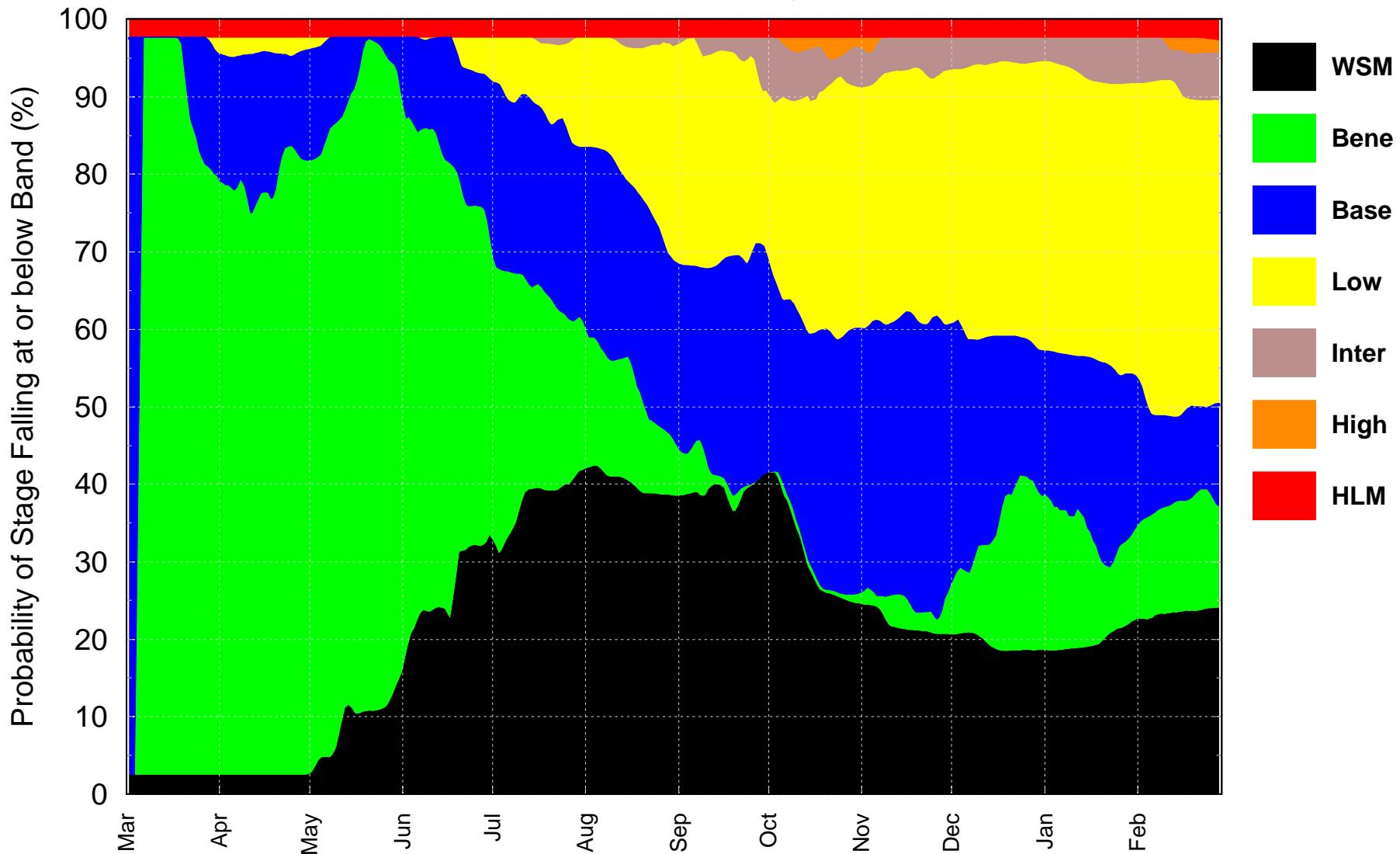
Lake Okeechobee – Band Probabilities

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



Lake Okeechobee – Probabilities for Operational Bands

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

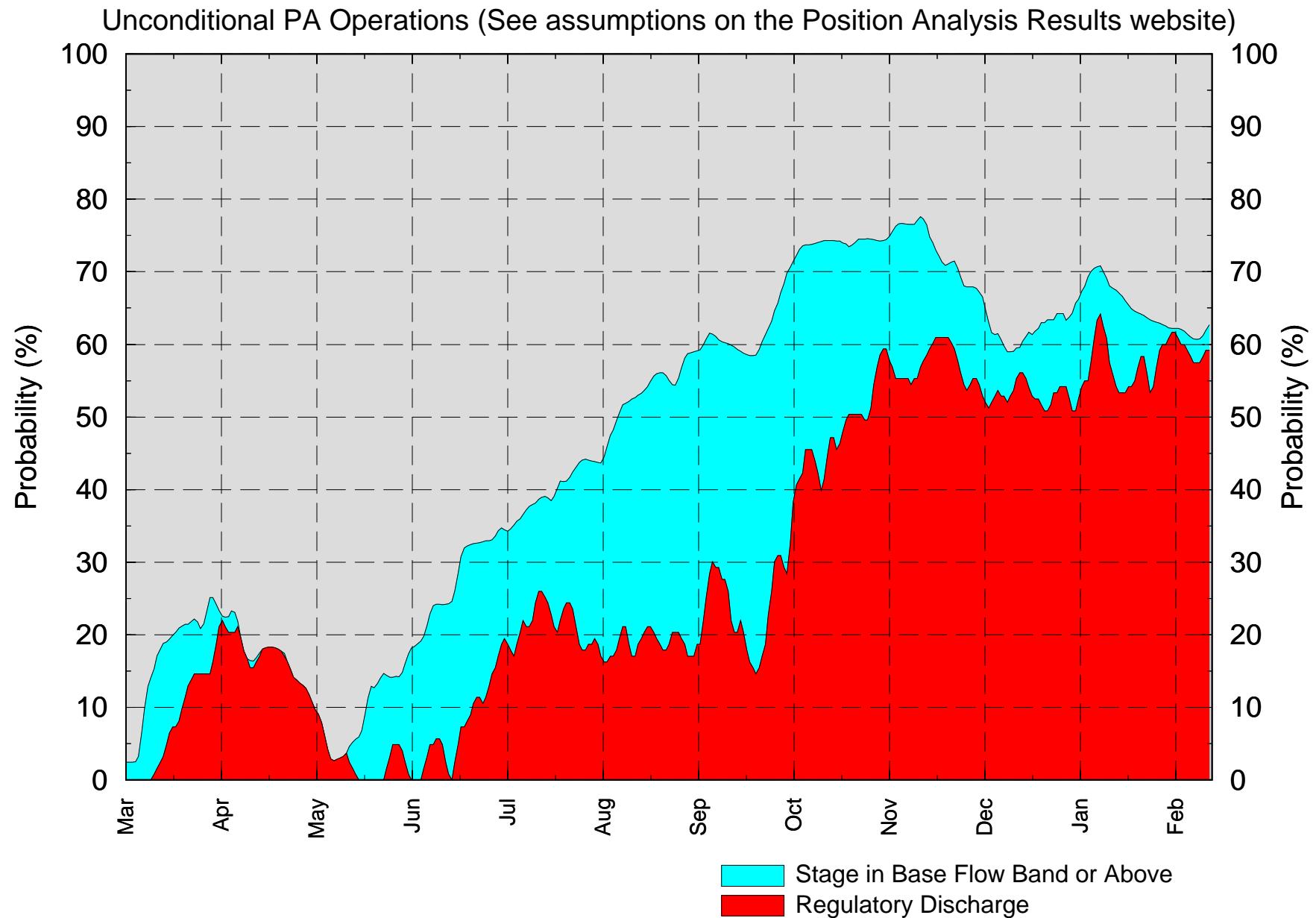


The width for each band gives the probability of stage falling in that band, as defined by the operational schedules.

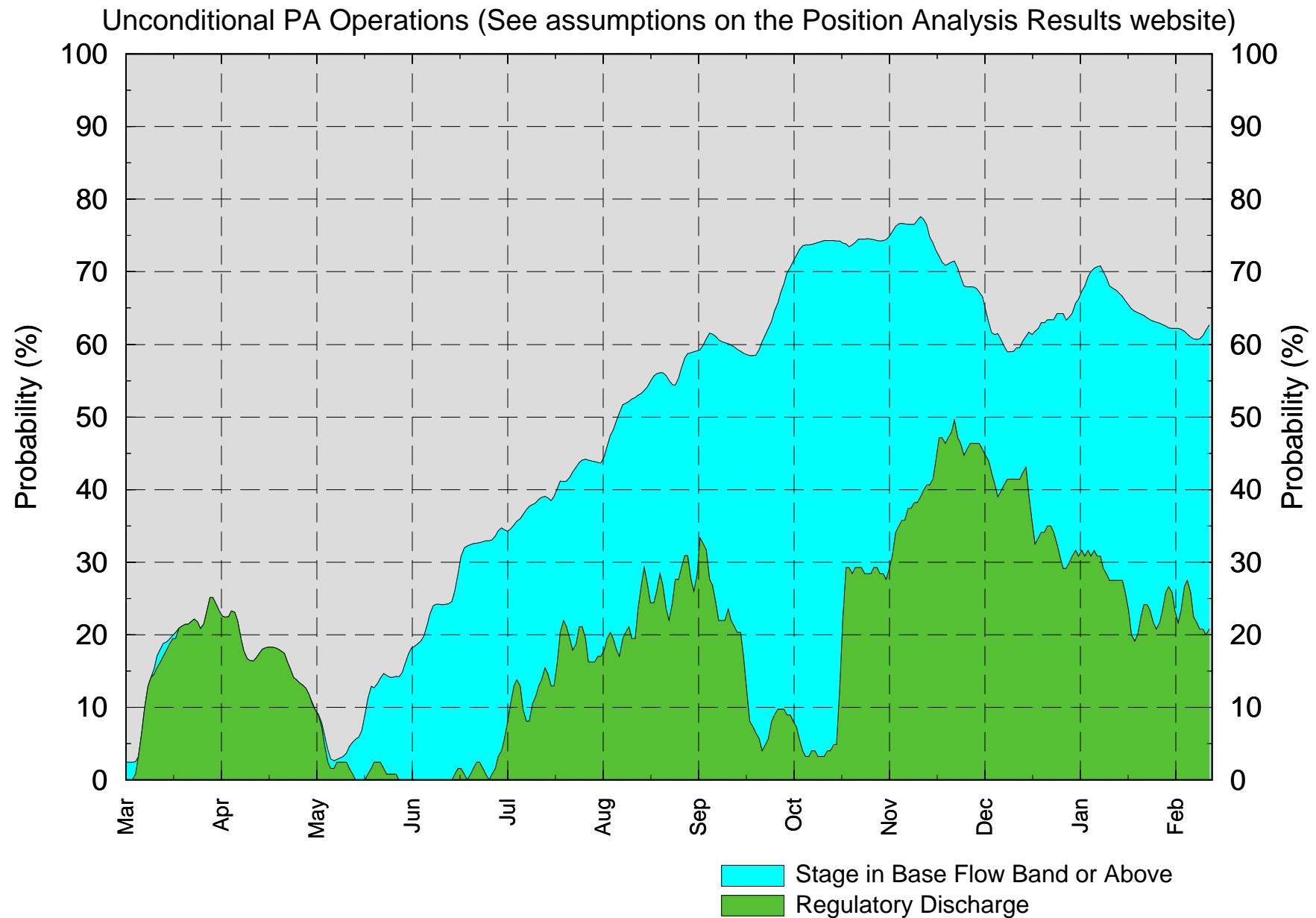
Lake Okeechobee Band Probabilities (%) at the Begining of Each Month
 '(See assumptions on the Position Analysis Results website)'
 Initial Stage 12.68 ft. for 03/01/2020

Date	HLM	High	Inter	Low	Base	Bene	WSM
2020 03 01	2.4	0.0	0.0	0.0	95.1	0.0	2.4
2020 04 01	2.4	0.0	0.0	2.2	16.3	76.6	2.4
2020 05 01	2.4	0.0	0.0	1.6	14.2	79.1	2.6
2020 06 01	2.4	0.0	0.0	0.0	8.8	72.9	15.9
2020 07 01	2.4	0.0	0.0	5.9	22.5	36.5	32.8
2020 08 01	2.4	0.0	-0.0	14.3	23.5	17.9	41.9
2020 09 01	2.4	0.0	0.8	28.5	23.8	5.9	38.5
2020 10 01	2.4	0.0	7.4	22.1	26.7	0.0	41.4
2020 11 01	2.4	1.3	5.1	31.2	33.9	1.6	24.4
2020 12 01	2.4	-0.0	4.1	32.9	33.5	6.5	20.6
2021 01 01	2.4	-0.0	3.1	37.5	18.4	20.1	18.5
2021 02 01	2.4	-0.0	5.9	38.3	18.8	12.0	22.6

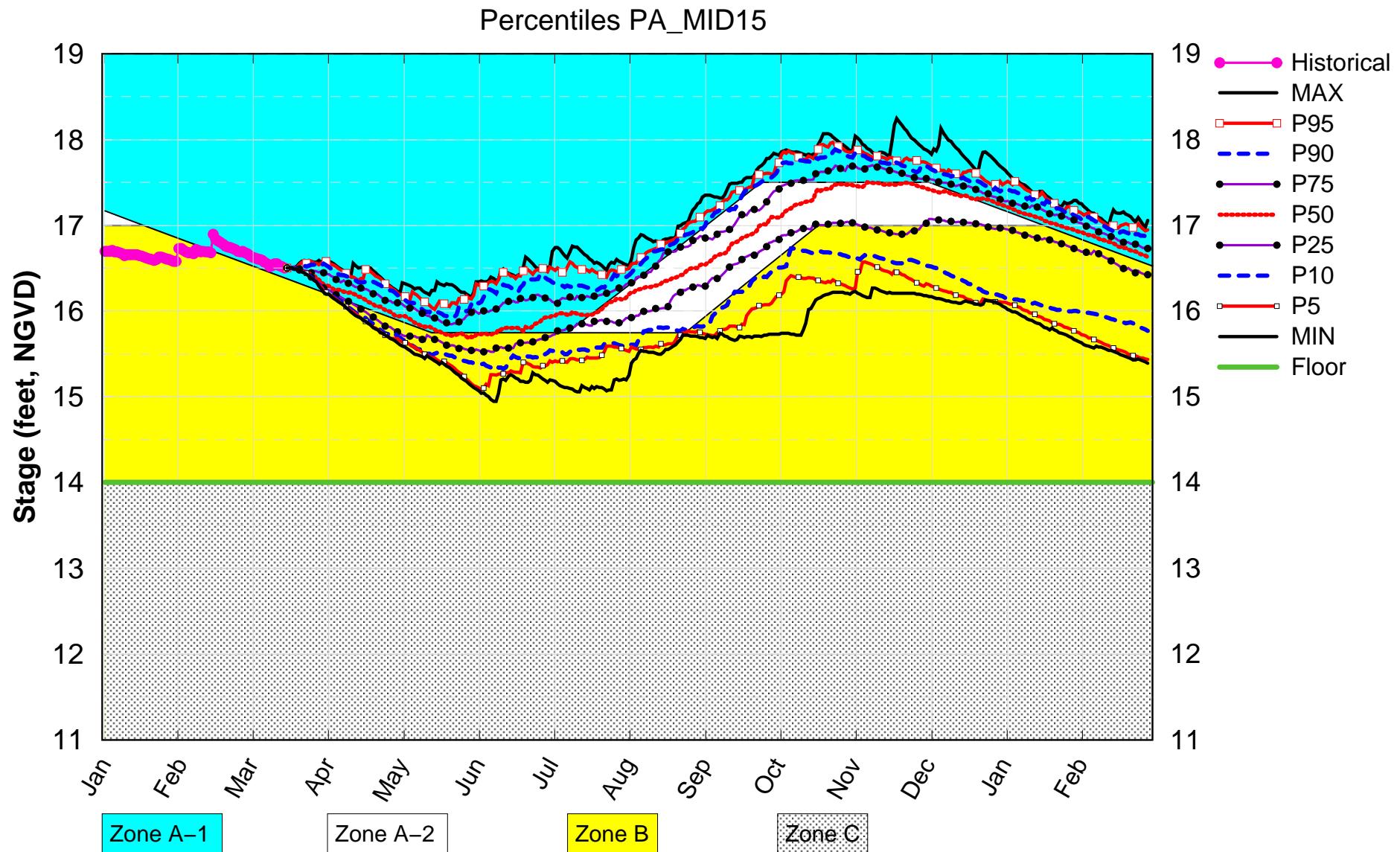
Lake Okeechobee – LORS2008 Releases to the Estuaries



Lake Okeechobee – LORS2008 Releases to the WCA's

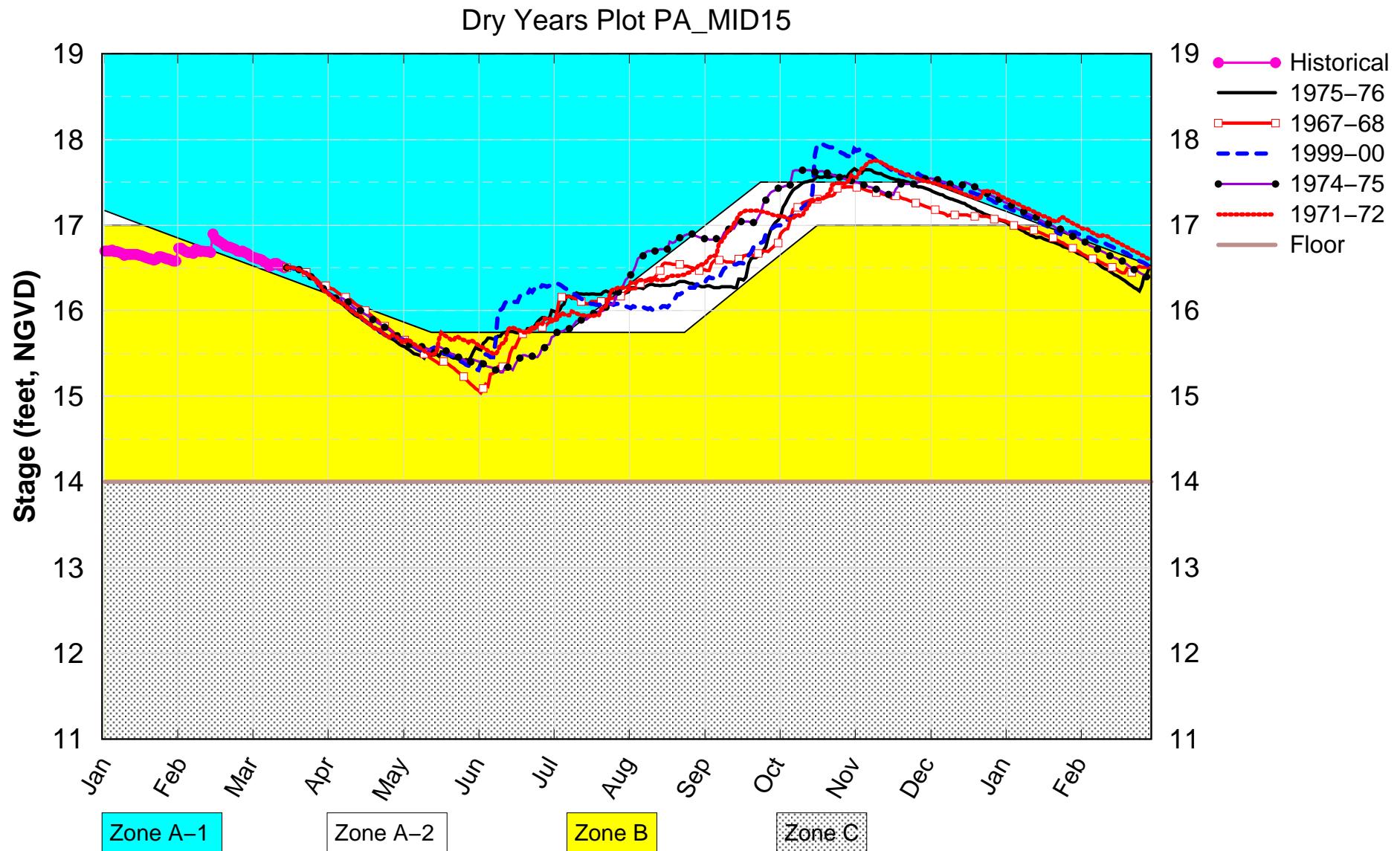


WCA1 SFWMM March 2020 Mid-Month Position Analysis



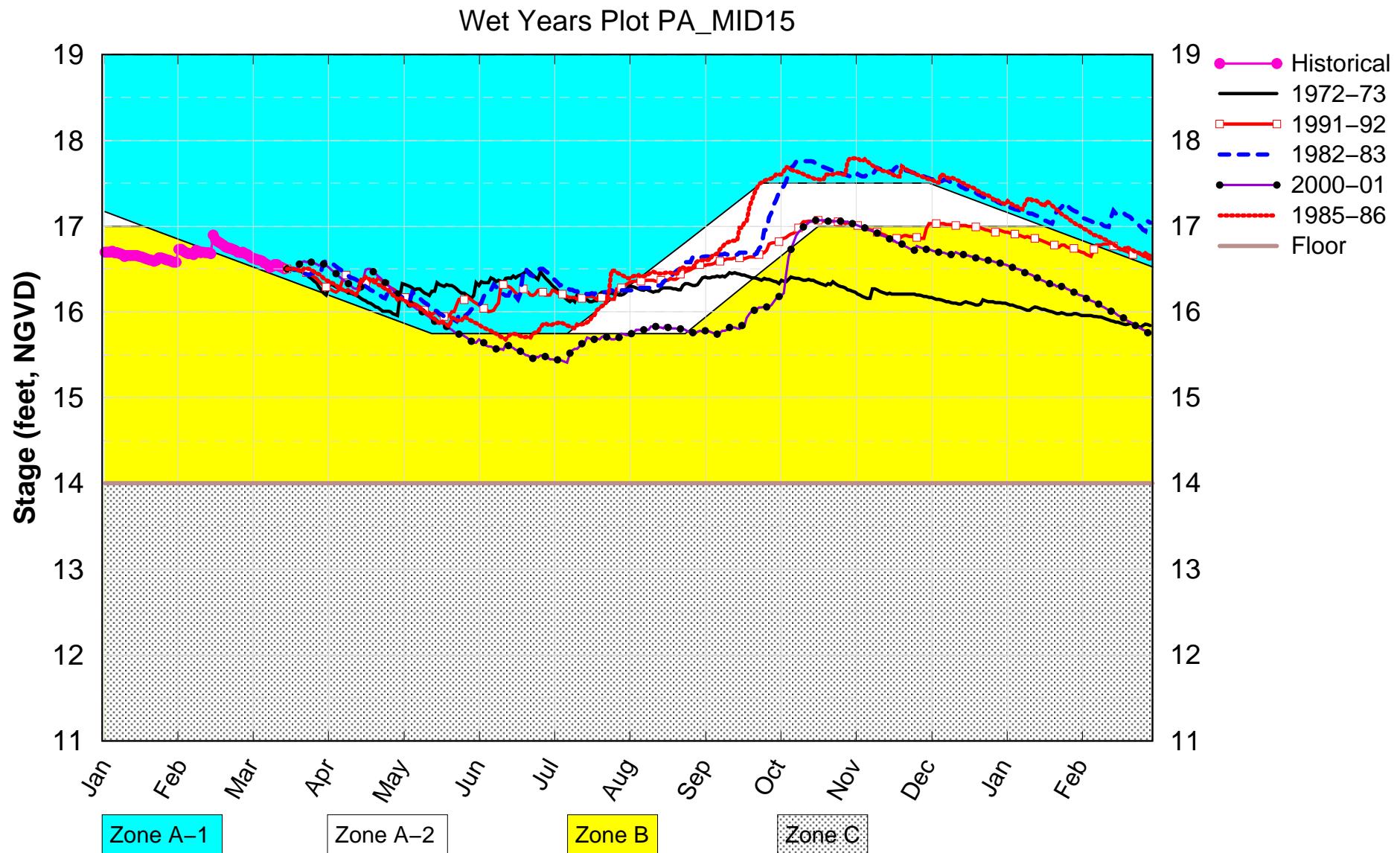
(See assumptions on the Position Analysis Results website)

WCA1 SFWMM March 2020 Mid-Month Position Analysis



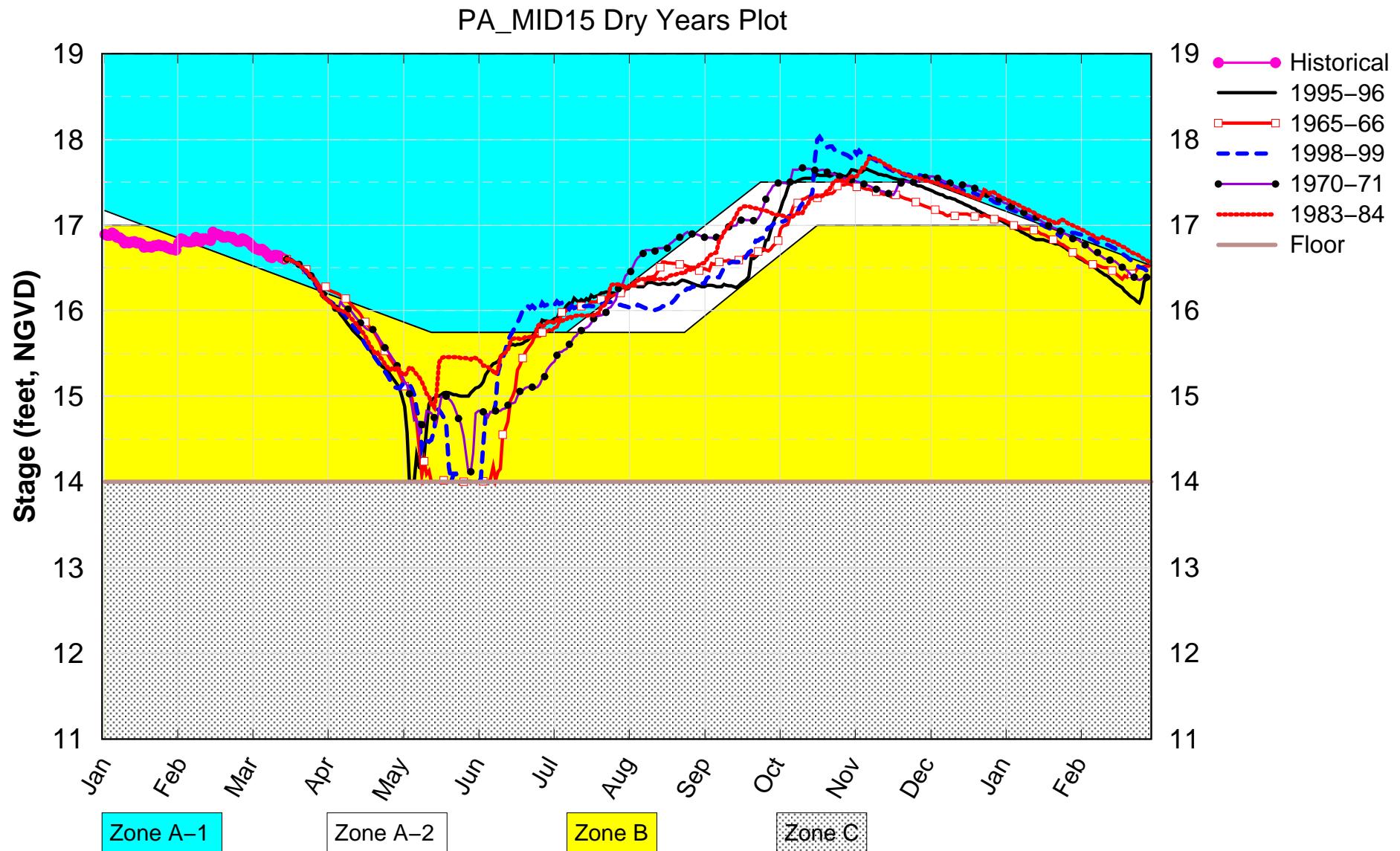
(See assumptions on the Position Analysis Results website)

WCA1 SFWMM March 2020 Mid-Month Position Analysis



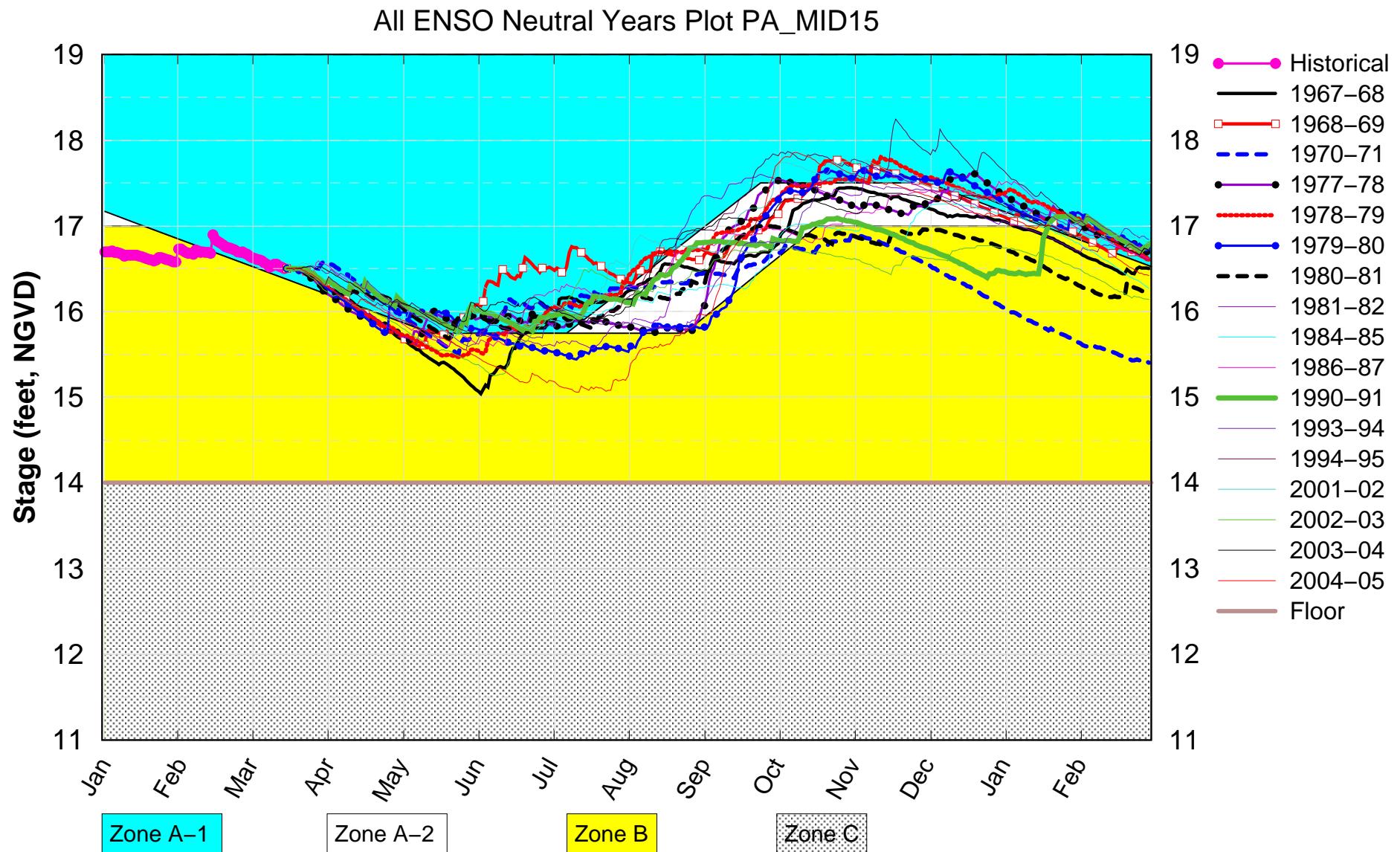
(See assumptions on the Position Analysis Results website)

CA1 Canal SFWMM March 2020 Mid-Month Position Analysis



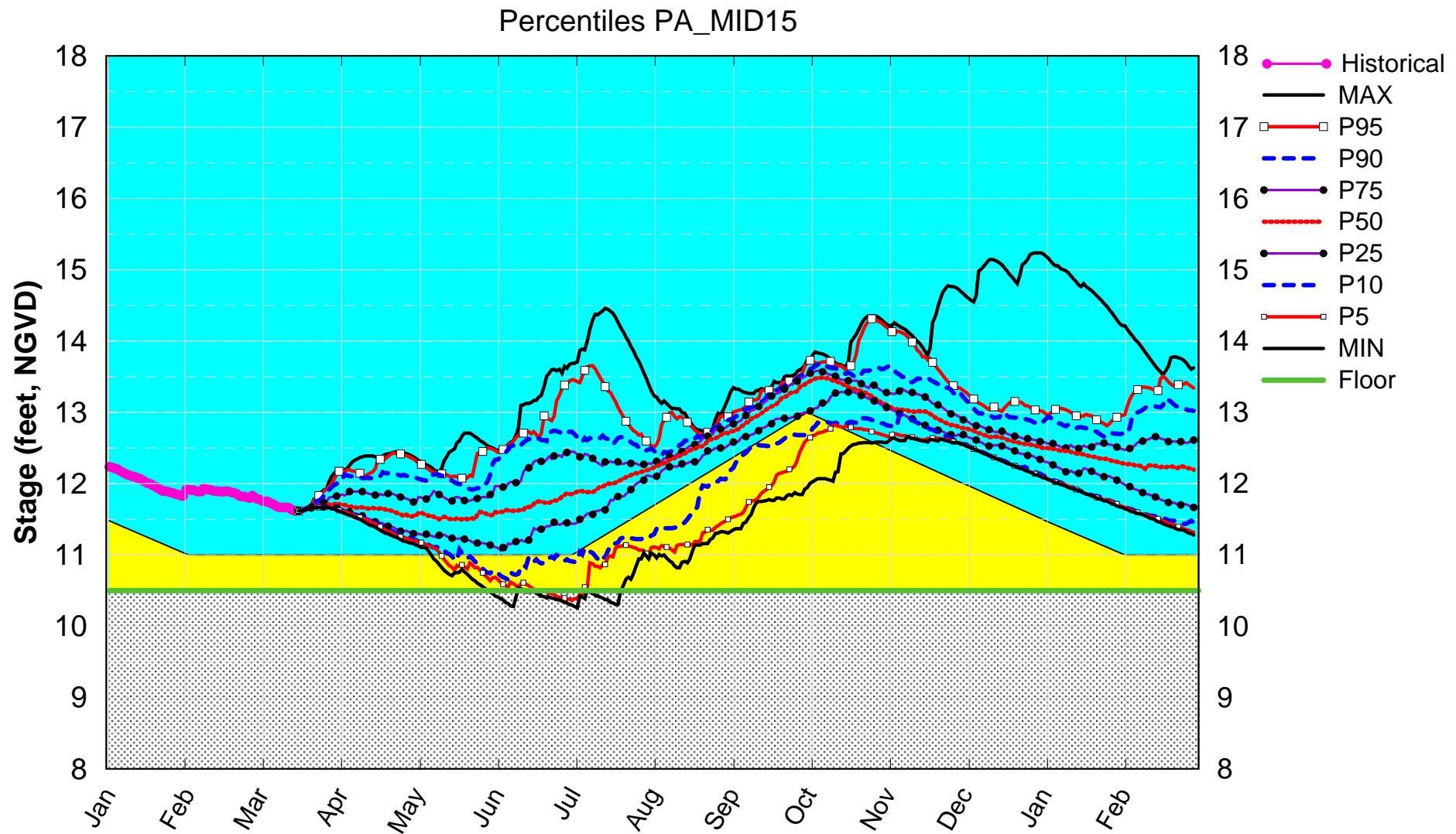
(See assumptions on the Position Analysis Results website)

WCA1 SFWMM March 2020 Mid-Month Position Analysis



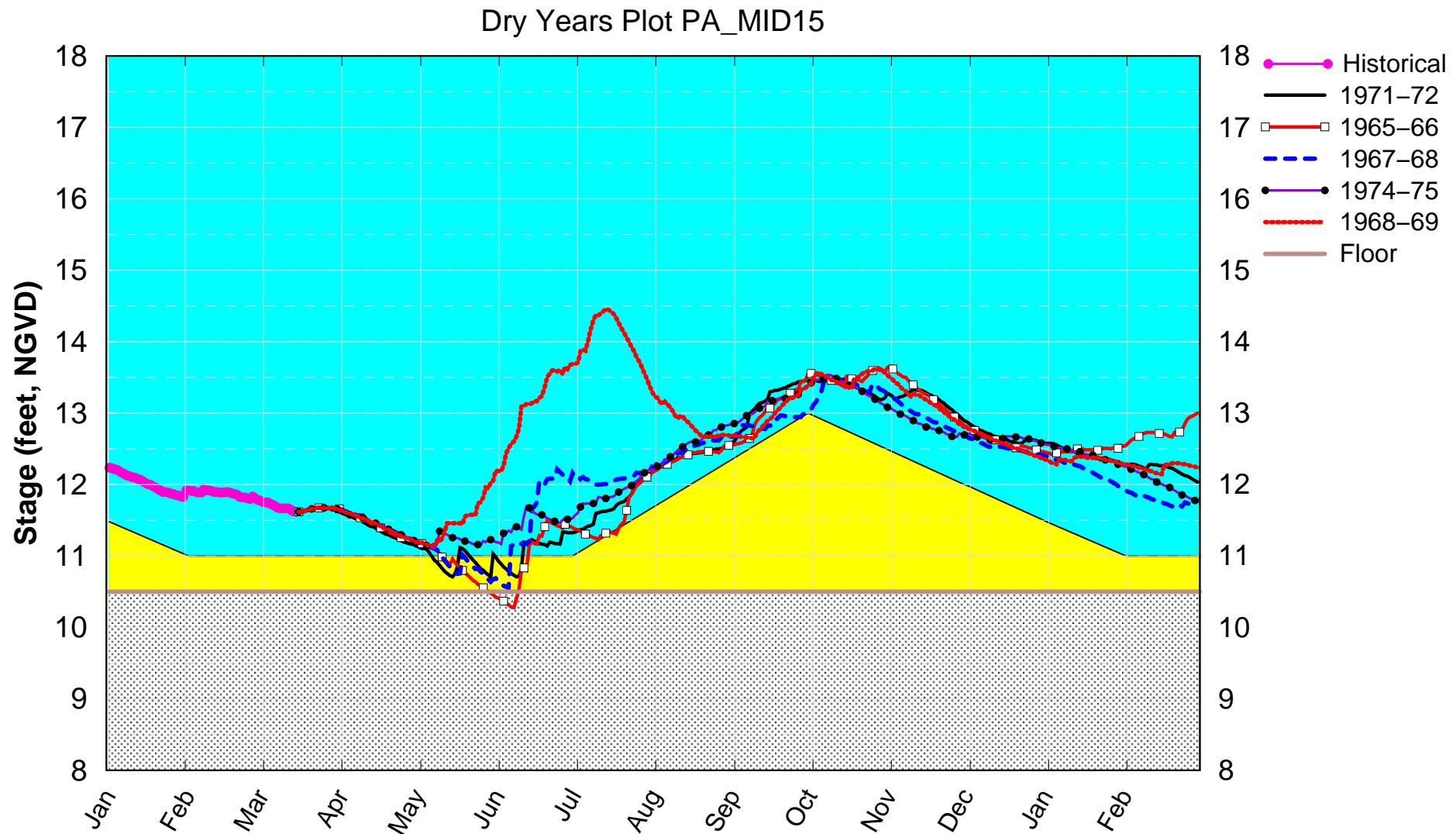
(See assumptions on the Position Analysis Results website)

WCA2A SFWMM March 2020 Mid-Month Position Analysis



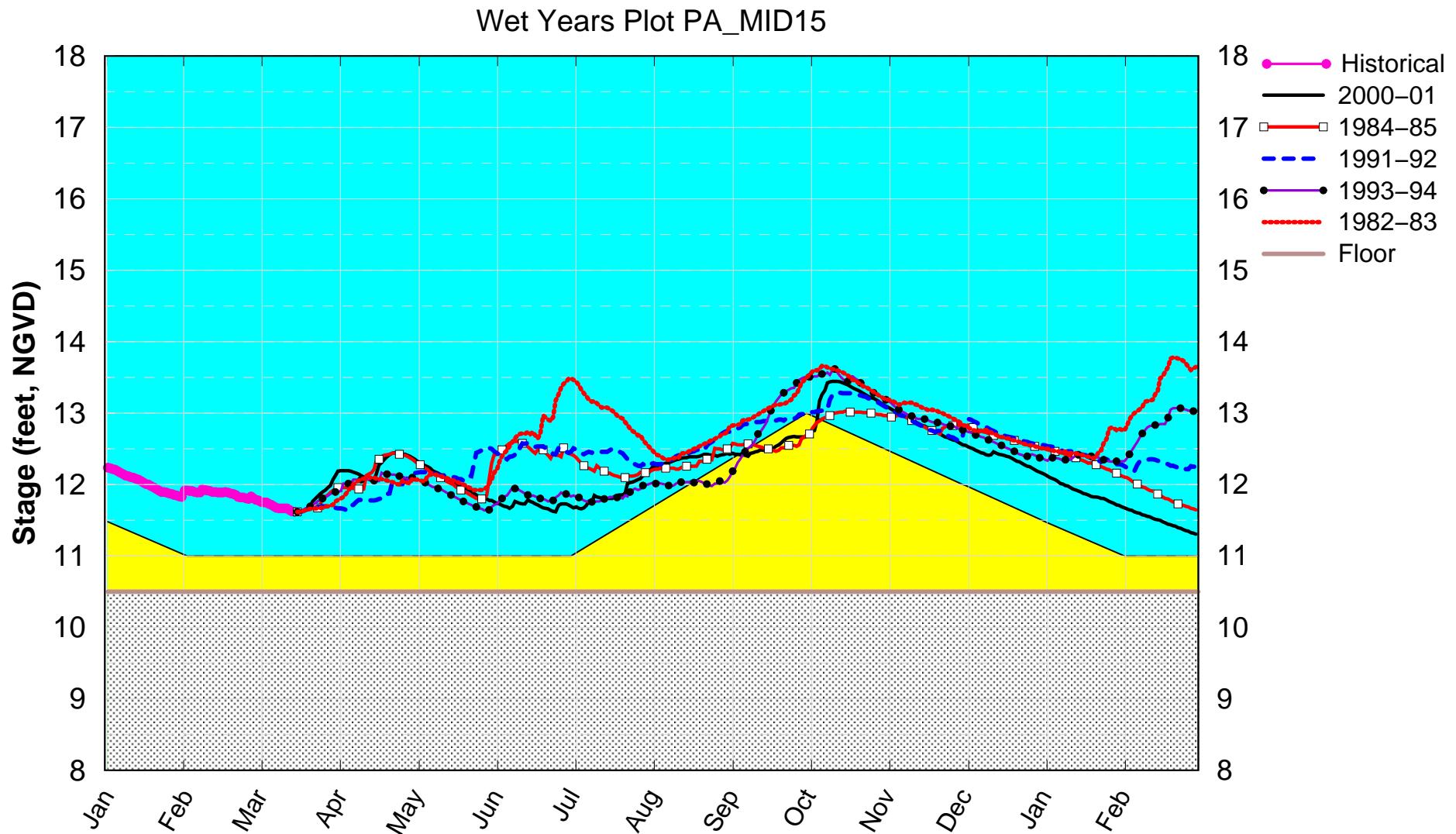
(See assumptions on the Position Analysis Results website)

WCA2A SFWMM March 2020 Mid-Month Position Analysis



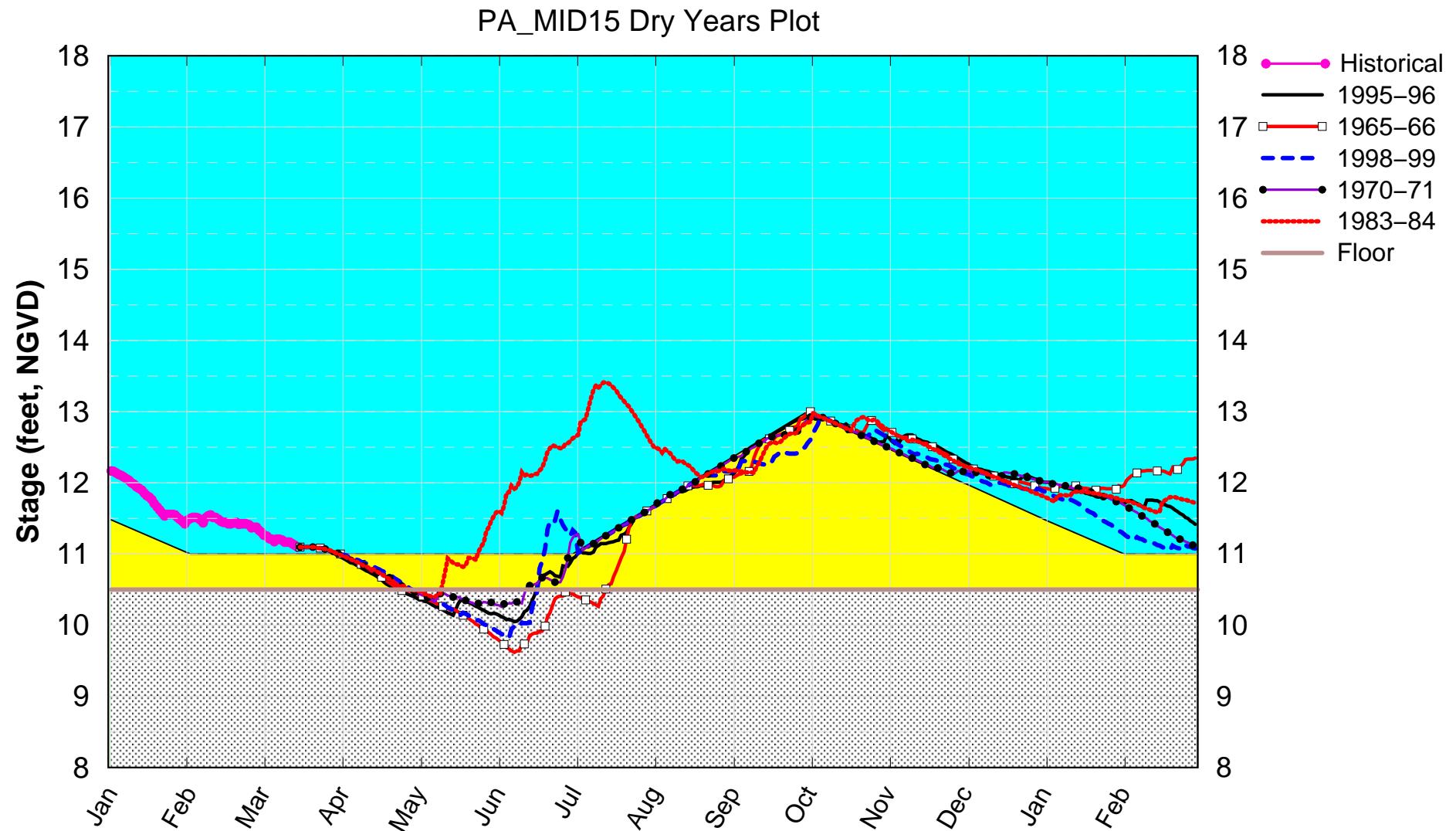
(See assumptions on the Position Analysis Results website)

WCA2A SFWMM March 2020 Mid-Month Position Analysis



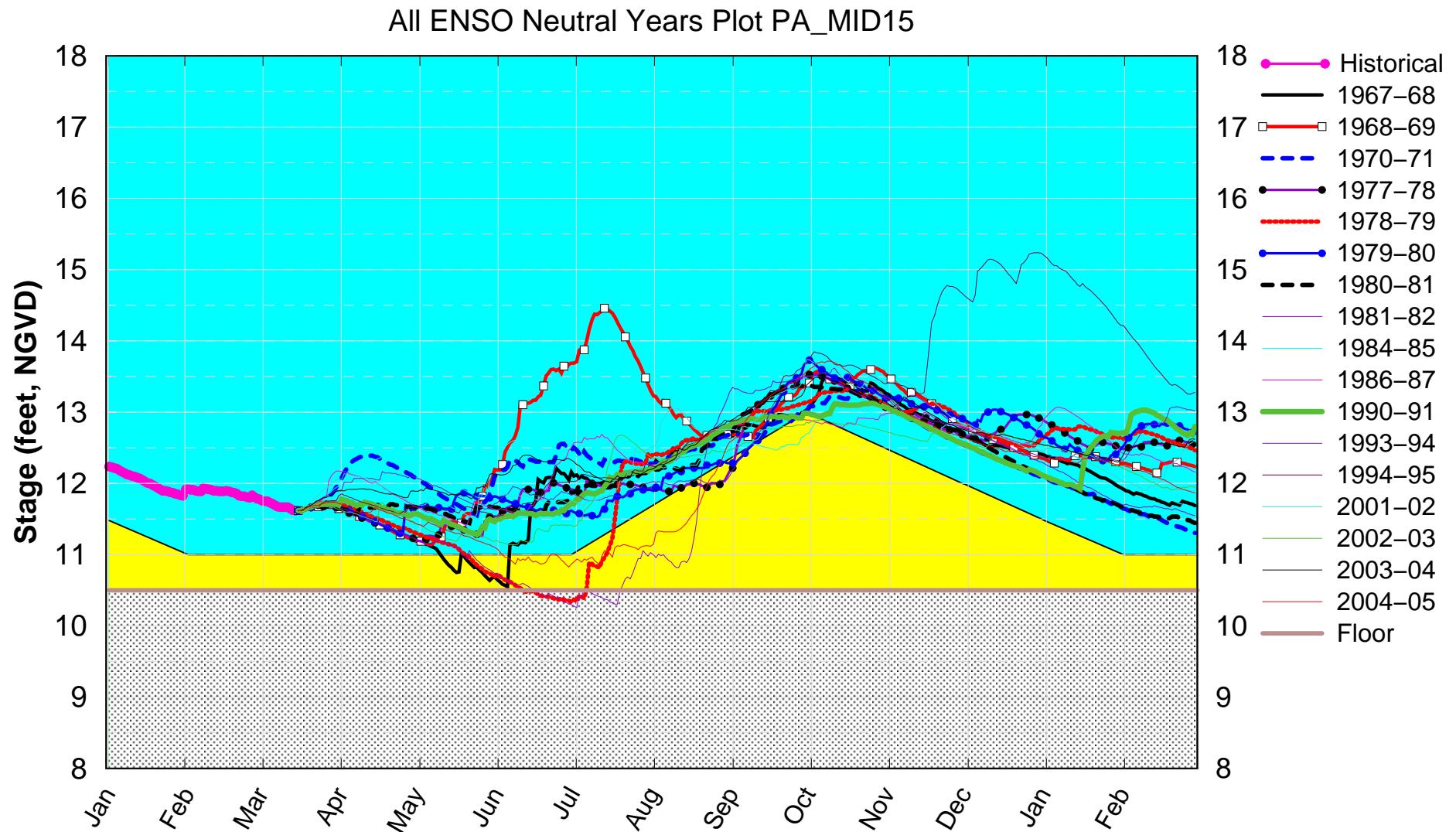
(See assumptions on the Position Analysis Results website)

L38 Canal SFWMM March 2020 Mid-Month Position Analysis



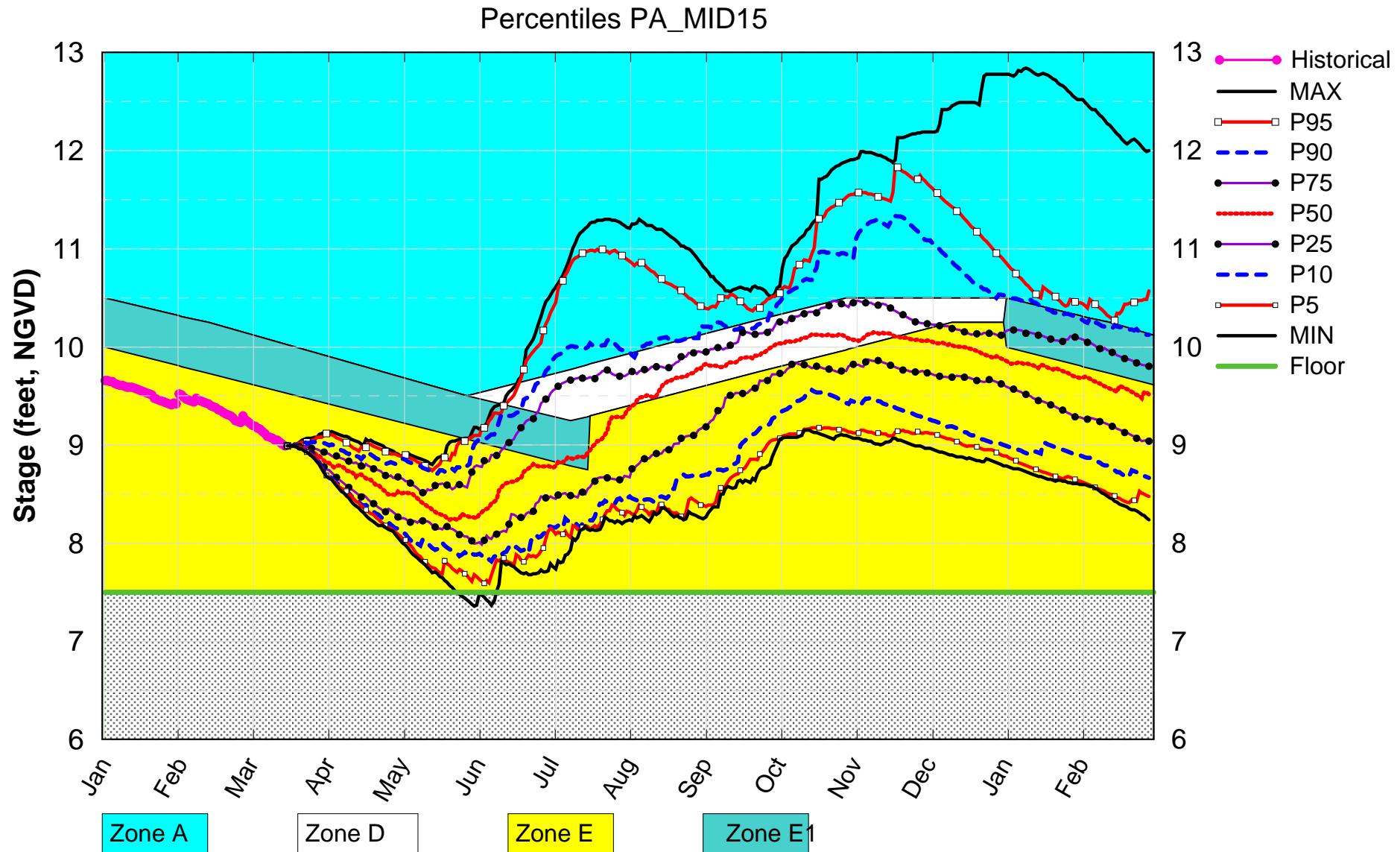
(See assumptions on the Position Analysis Results website)

WCA2A SFWMM March 2020 Mid-Month Position Analysis



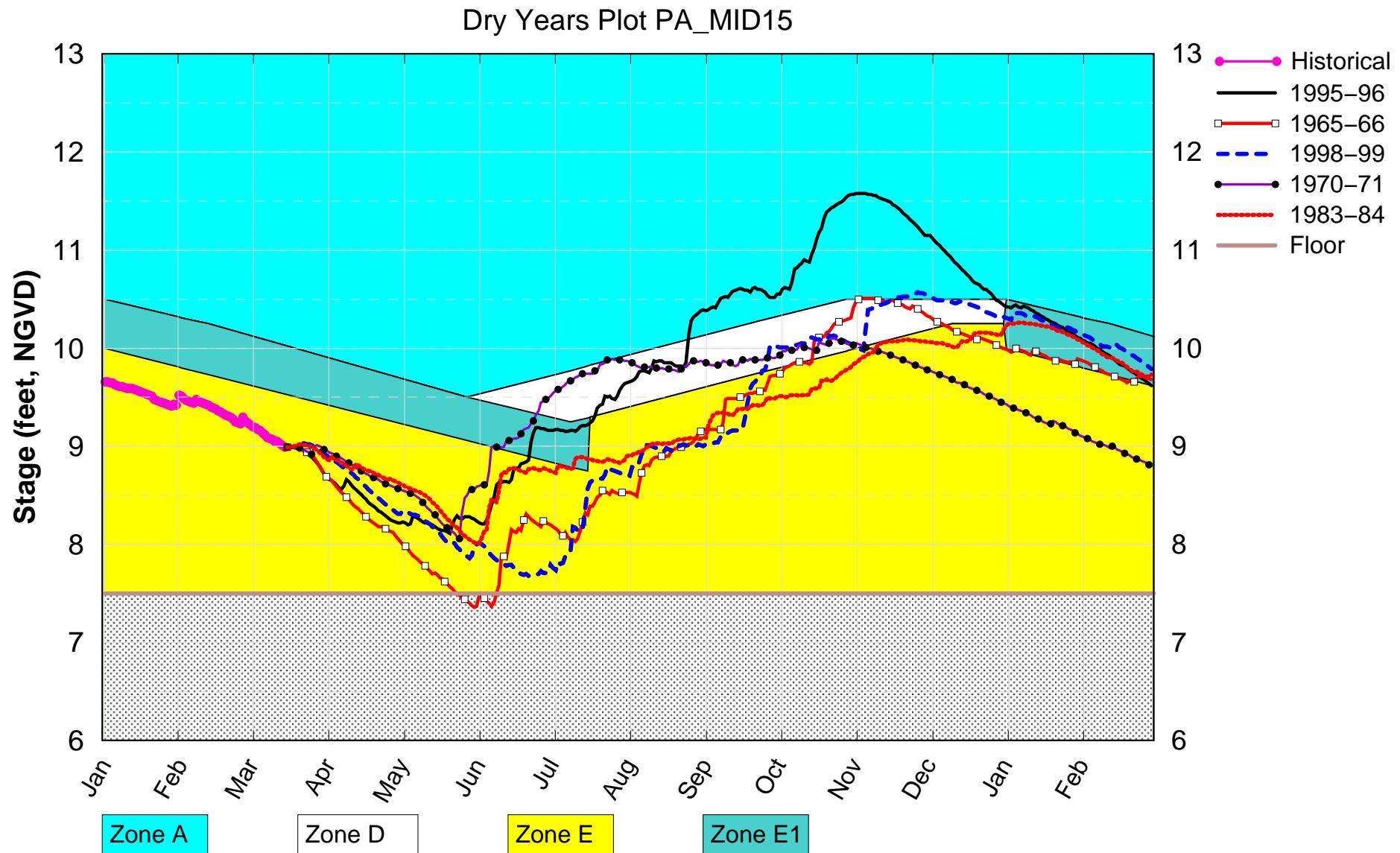
(See assumptions on the Position Analysis Results website)

WCA3A SFWMM March 2020 Mid-Month Position Analysis



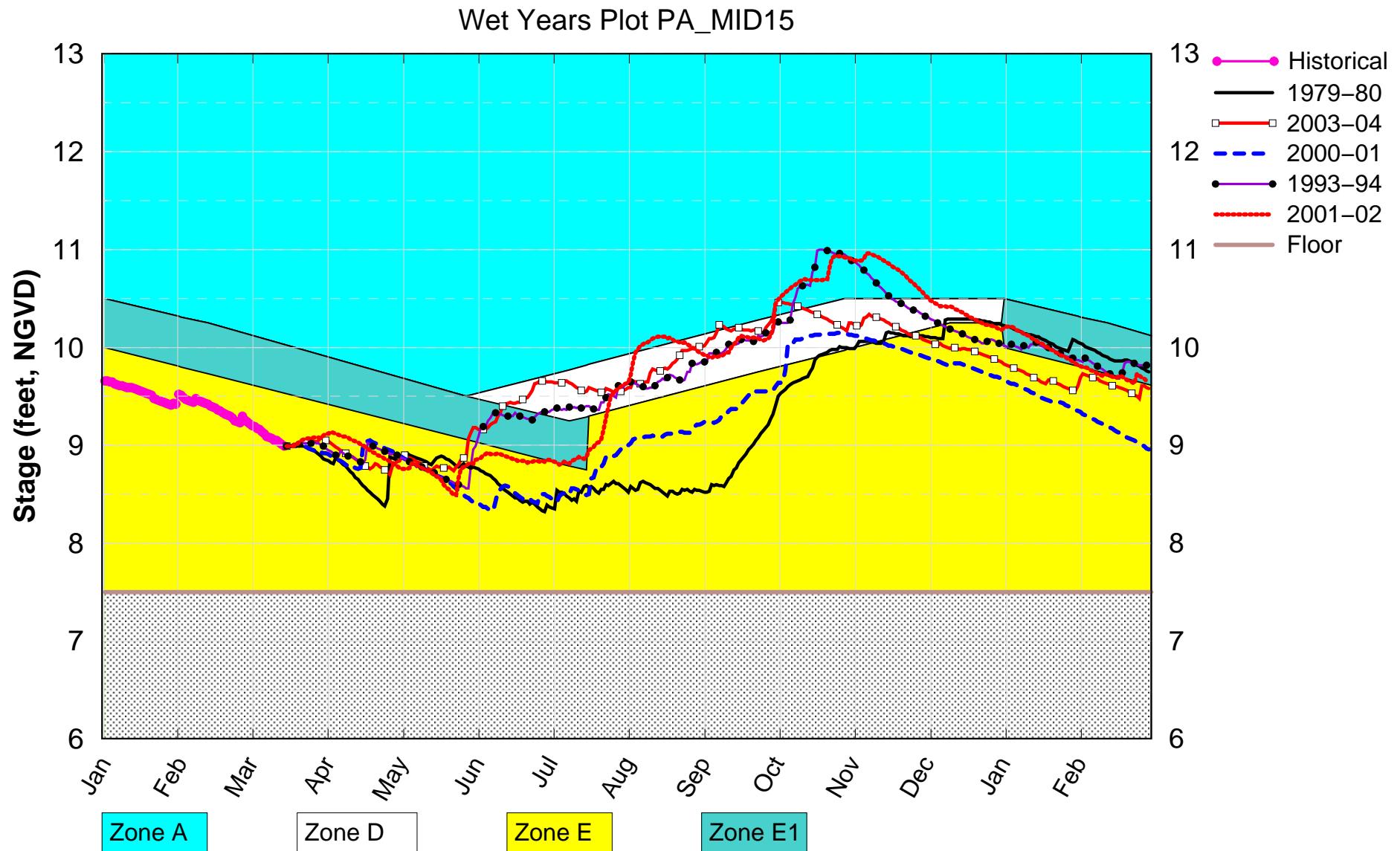
(See assumptions on the Position Analysis Results website)

WCA3A SFWMM March 2020 Mid-Month Position Analysis



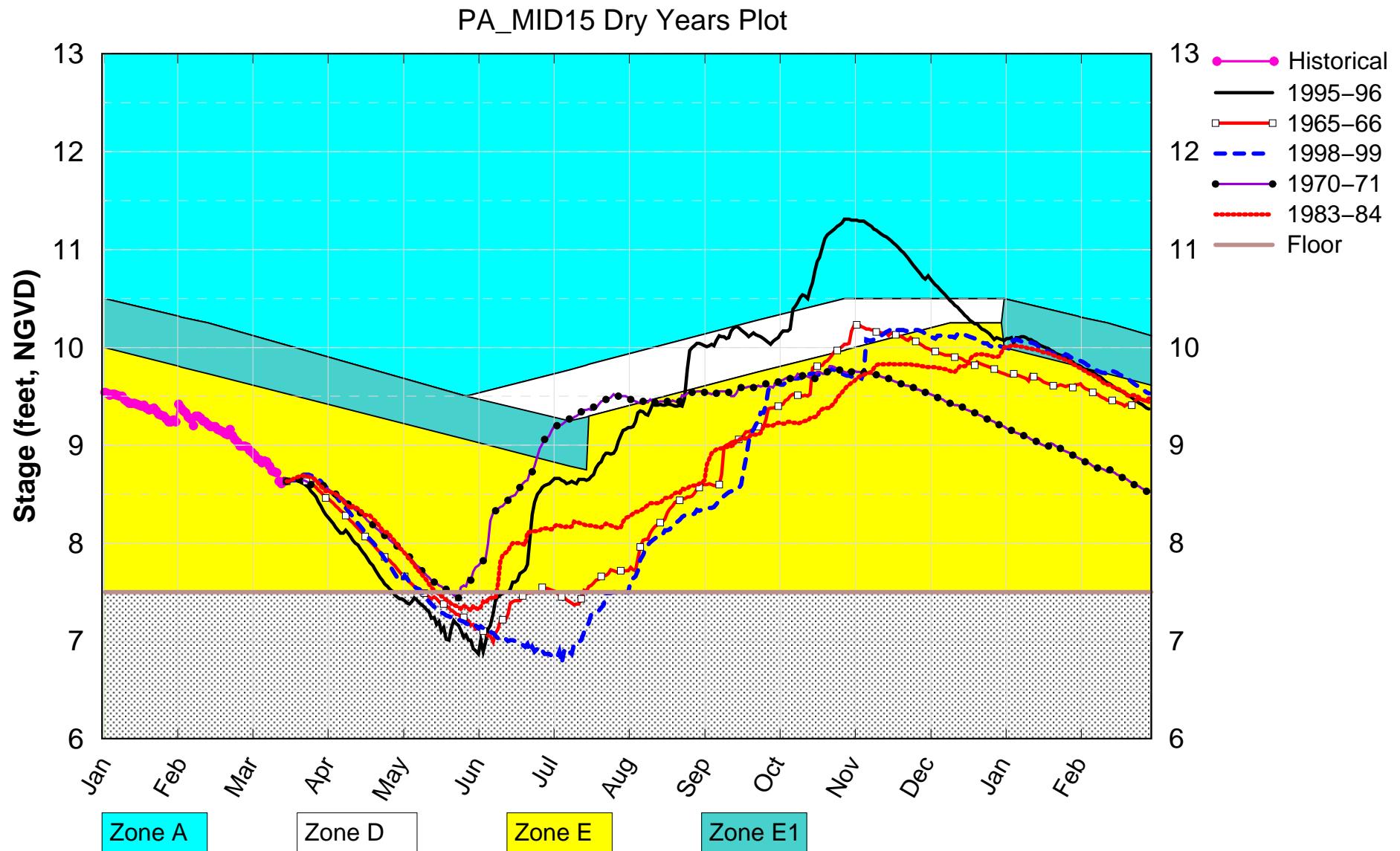
(See assumptions on the Position Analysis Results website)

WCA3A SFWMM March 2020 Mid-Month Position Analysis



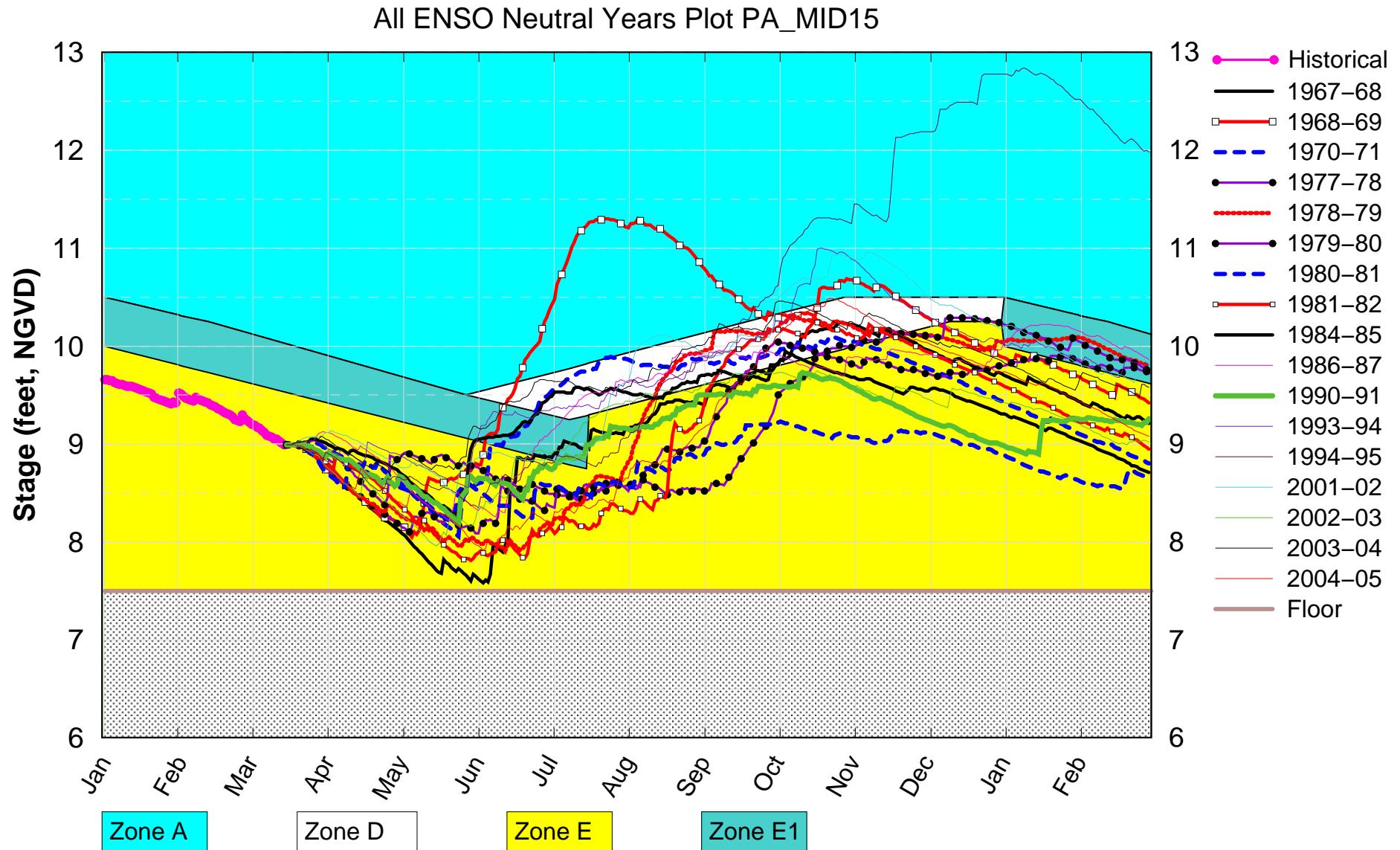
(See assumptions on the Position Analysis Results website)

CA3 Canal SFWMM March 2020 Mid-Month Position Analysis



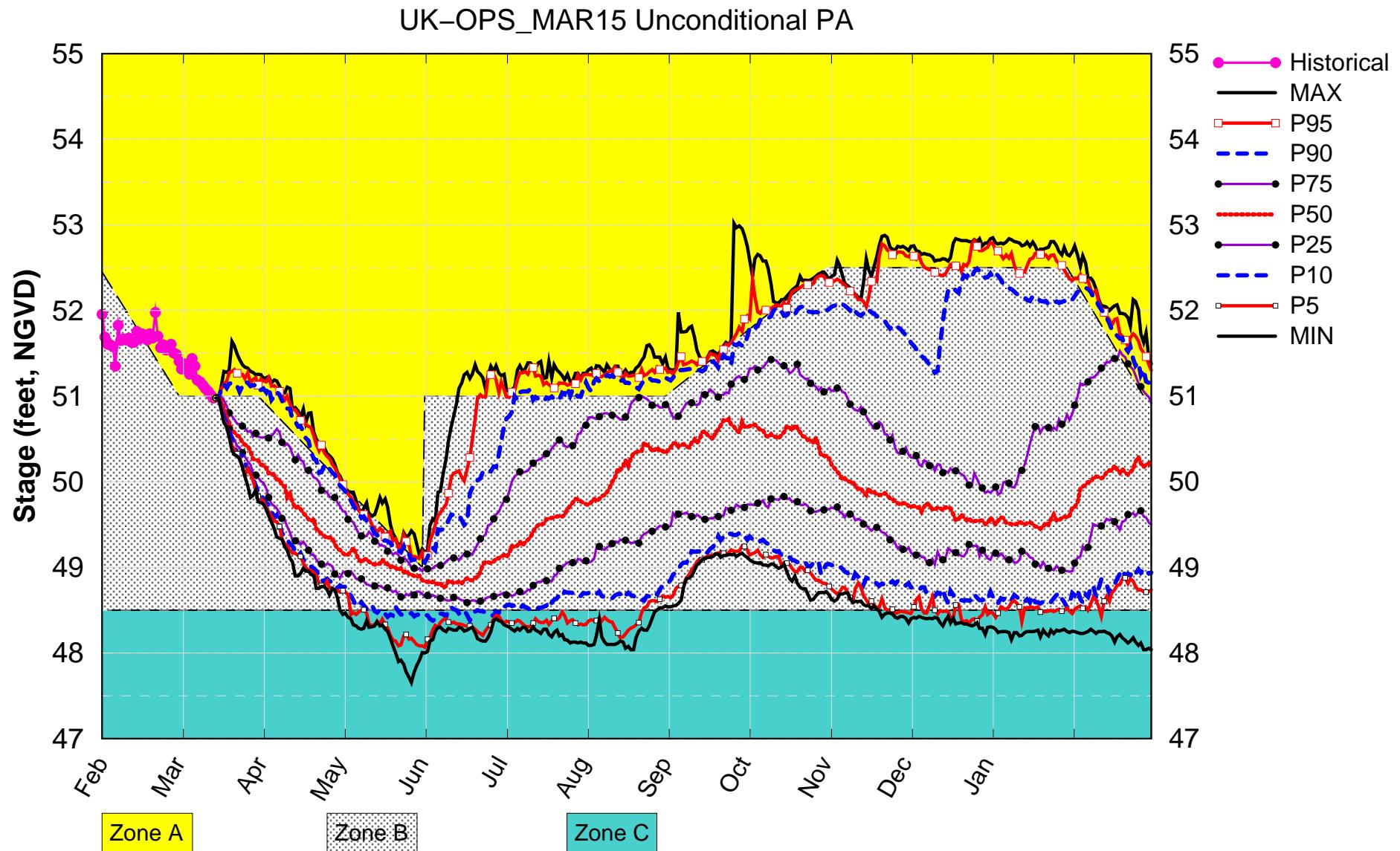
(See assumptions on the Position Analysis Results website)

WCA3A SFWMM March 2020 Mid-Month Position Analysis



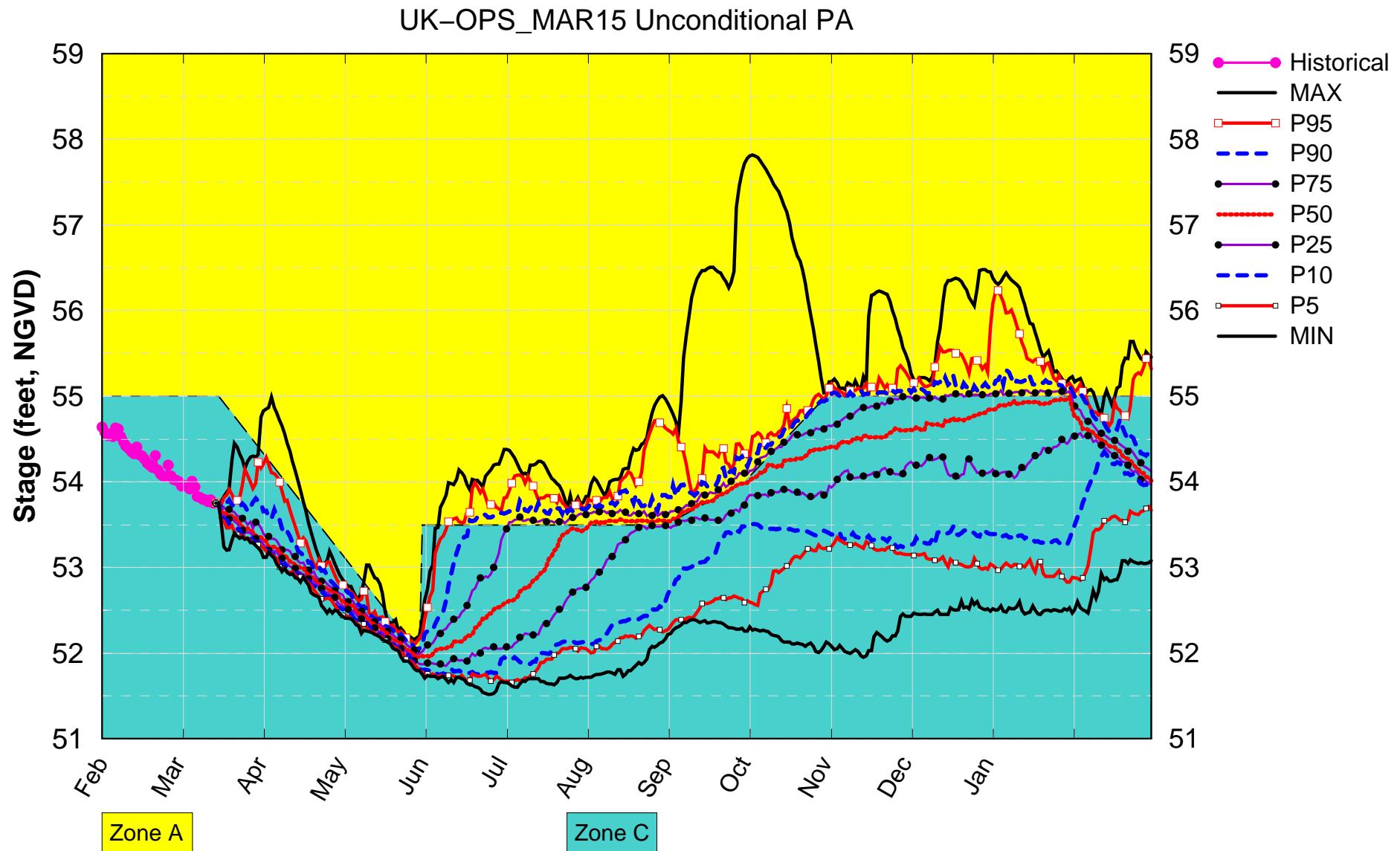
(See assumptions on the Position Analysis Results website)

S65 UK-OPS Mar 15 2020 Position Analysis



(See assumptions on the Position Analysis Results website)

S61 UK-OPS Mar 15 2020 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	: 13.15
WPB	:C-17	:C17	:S44-H	: 7.20
WPB	:C-51W	:C51W	:S5AE-T	: 11.85
WPB	:C-51	:C51	:S155-H	: 8.39
WCA	:WCA-1 L-40	:CA1	:1-8C	: 16.60
FTLD	:Hillsboro Canal	:HLSB	:G56-H	: 8.32
WCA	:WCA-2A L-38	:L38	:S11B-H	: 11.10
WCA	:WCA-2A L-39	:CA2A	:S10A-T	: 12.52
FTLD	:C-14	:C14	:S37B-H	: 7.20
FTLD	:C-14E	:C14E	:S37A-H	: 3.99
FTLD	:Pompano	:POMP	:G57-H	: 5.14
FTLD	:C-12	:C12	:S33-H	: 3.14
FTLD	:C-13	:C13	:S36-H	: 4.85
FTLD	:North New River Canal	:NNRC	:G54-H	: 4.04
MIAMI	:L-33	:L33	:S30-H	: 5.38
MIAMI	:C-304	:C304	:S31-H	: 7.30
MIAMI	:C-9	:C9	:S29-H	: 2.23
MIAMI	:C-9 DEN	:C9DEN	:S29-H	: 2.23
MIAMI	:C-8	:C8	:S28-H	: 1.99
MIAMI	:C-7	:C7	:S27-H	: 2.00
MIAMI	:C-6	:C6	:S26-H	: 2.75
MIAMI	:C-2/C-4	:C4	:S25B-H	: 2.84
MIAMI	:L-30	:L30	:S335-H	: 6.47
WCA	:WCA-3A L-29	:CA3	:S333-H	: 8.63
WCA	:S-12A	:S12AD	:S12A-T	: 7.82
WCA	:S-12B	:S12BD	:S12B-T	: 7.83
WCA	:S-12C	:S12CD	:S12C-T	: 7.85
WCA	:S-12D	:S12DD	:S12D-T	: 6.65
MIAMI	:L-29	:L29	:S334-H	: 6.58
MIAMI	:C-100C	:C100C	:S119-H	: 2.69
MIAMI	:C-100	:C100	:S118-H	: 2.84
MIAMI	:C-100A	:C100A	:S123-H	: 2.32
HMST	:C-1/S-148	:S148U	:S148-H	: 3.58
HMST	:L-31N	:L31N	:S331-H	: 5.00
HMST	:C-1N	:C1N	:S149-H	: 2.69
MIAMI	:S-21	:S21	:S21-H	: 2.20
HMST	:L-31S	:L31S	:S176-H	: 4.05
MIAMI	:C-102N	:C102N	:S21A-H	: 1.13
HMST	:C-102	:C102	:S165-H	: 3.74
MIAMI	:C-103S	:C103S	:S167-H	: 2.89
HMST	:C-103N	:C103N	:S166-H	: 2.48
HMST	:C-103	:S179	:S179-H	: 2.10
HMST	:L-31W	:L31W	:S332-H	: 4.01
HMST	:C-111	:C111	:S177-H	: 3.29
HMST	:CNO	:CNO	:S179-H	: 2.10
HMST	:C-111E	:C111E	:S18C-H	: 2.24
HMST	:S-197	:S197	:S197-H	: 1.82
EAA	:L-23E	:L23E	:S8-T	: 11.32
EAA	:C-60	:C60	:S140-T	: 10.40

SFWMM	Name	col	row	STAGE	Source	Data	match	domain	match	areas
1-7		31	48	16.53	USACE		PA	CA1		
1-8T		34	47	16.46	USACE		PA	CA1		
1-9		33	46	16.52	USACE		PA	CA1		
2-17		29	40	11.62	USACE		PA	CA2		
2-159		28	43	13.29	SFWMD-ARDAMS		PA	CA2		
3-99		30	35	9.81	USACE			CA2		
3A-2		18	36	10.75	USACE		PA	CA3		
3A-3		25	37	8.97	USACE		PA	CA3		
3A-28		19	24	8.79	USACE		PA	CA3		
3A-4		21	29	9.22	USACE		PA	CA3		
3A-NW		18	40	11.56	SFWMD-ARDAMS			CA3		
3A-NE		23	40	9.13	SFWMD-ARDAMS			CA3		
3A-SW		16	30	9.12	SFWMD-ARDAMS			CA3		
3A-S		20	33	9.49	SFWMD-ARDAMS			CA3		
3-76		27	30	7.36	USACE					
3-71		24	26	7.49	USACE					
SHARK		24	23	7.20	USACE			CA3		
3BS1W		26	23	6.35	SFWMD-ARDAMS					
HOLY1		19	45	11.37	SFWMD-ARDAMS			WMA		
HOLY2		21	42	11.37	SFWMD-ARDAMS			WMA		
ROTTN		15	46	12.72	SFWMD-OPERATIONS			WMA		
ROTTS		16	43	12.01	SFWMD-OPERATIONS			WMA		
NP205		15	20	5.21	USACE			ENP		
NP201		19	21	6.41	USACE			ENP		
NP36		17	14	3.96	USACE			ENP		
NP38		16	9	1.55	USACE			ENP		
NP46		17	7	1.35	USACE			ENP		
NP67		22	7	2.03	USACE					
NP33		20	17	5.80	USACE			ENP		
NP34		13	17	2.25	USACE			ENP		
NP44		19	11	2.37	USACE			ENP		
NP206		21	15	5.04	USACE			ENP		
NESR2		25	21	6.29	USACE			ENP		
THSO		23	9	3.14	USACE					
RG2		23	15	4.19	USACE			ENP		
G3273		24	17	5.00	USACE		PA	ENP		
ANGEL		25	17	4.57	USACE		PA			
ANGEL		26	17	4.57	USACE		PA			
EVER4		25	8	2.02	USACE		PA	SA3		
E112		23	10	4.11	USACE			ENP		
G620		18	19	5.80	USACE			ENP		

Temporarily Unavailable

Temporarily Unavailable

Temporarily Unavailable

Lake Okeechobee Band Probabilities (%) at the Begining of Each Month
 '(See assumptions on the Position Analysis Results website)'
 Initial Stage 12.68 ft. for 03/01/2020

Date	HLM	High	Inter	Low	Base	Bene	WSM
2020 03 01	2.4	0.0	0.0	0.0	95.1	0.0	2.4
2020 04 01	2.4	0.0	0.0	2.2	16.3	76.6	2.4
2020 05 01	2.4	0.0	0.0	1.6	14.2	79.1	2.6
2020 06 01	2.4	0.0	0.0	0.0	8.8	72.9	15.9
2020 07 01	2.4	0.0	0.0	5.9	22.5	36.5	32.8
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2020 10 01	2.4	0.0	7.4	22.1	26.7	0.0	41.4
2020 11 01	2.4	1.3	5.1	31.2	33.9	1.6	24.4
2020 12 01	2.4	-0.0	4.1	32.9	33.5	6.5	20.6
2021 01 01	2.4	-0.0	3.1	37.5	18.4	20.1	18.5
2021 02 01	2.4	-0.0	5.9	38.3	18.8	12.0	22.6

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 - March 15, 2020 DPA Final LOK Stage 12.38

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

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplm. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1965	10	16	0	0.91	0.00	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	46.62	0.00	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	40.81	0.00	0.00	0.00	0.00	0.00	0.00
1966	1	0	0	0.71	0.00	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	15.61	0.00	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	93.30	0.00	0.00	0.04	0.04	0.04	0.04
1966	4	0	0	57.96	0.00	0.00	0.00	0.00	0.00	0.00
1966	5	0	0	49.35	0.00	0.00	0.01	0.01	0.01	0.01
1966	6	0	0	5.82	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	0.89	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
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Year	Mon	# Days SSM	# Days SSMwC.B.	Supplm. 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	82.77	0.00	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	53.84	0.00	0.00	0.00	0.00	0.00	0.00
1967	1	0	0	44.75	0.00	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	26.75	0.00	0.00	0.00	0.00	0.00	0.00
1967	3	0	0	108.53	0.00	0.00	0.00	0.00	0.00	0.00
1967	4	0	0	166.59	0.00	0.00	0.02	0.01	0.02	0.01
1967	5	30	25	224.86	76.64	34.08	7.12	3.17	83.76	37.25
1967	6	30	3	36.66	3.35	9.14	6.23	16.99	9.58	26.13
1967	7	31	2	5.65	1.44	25.42	0.01	0.19	1.45	25.61
1967	8	31	4	6.14	0.83	13.51	0.00	0.00	0.83	13.51
1967	9	30	9	12.95	5.86	45.26	0.00	0.00	5.86	45.26
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Year	Mon	# Days SSM	# Days SSMwC.B.	Supplm. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1967	10	31	0	1.17	0.00	0.00	0.00	0.00	0.00	0.00
1967	11	30	18	89.12	12.16	13.65	0.31	0.35	12.47	13.99
1967	12	31	2	31.43	0.50	1.60	0.01	0.04	0.52	1.64
1968	1	31	6	57.66	1.45	2.51	0.07	0.12	1.51	2.63
1968	2	29	6	36.82	2.04	5.53	0.00	0.00	2.04	5.53
1968	3	0	0	115.06	0.00	0.00	0.00	0.00	0.00	0.00
1968	4	0	0	130.60	0.00	0.00	0.00	0.00	0.00	0.00
1968	5	0	0	27.52	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	11.05	0.00	0.00	0.00	0.00	0.00	0.00
1968	8	0	0	8.83	0.00	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	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
1968	10	0	0	0.54	0.00	0.00	0.00	0.00	0.00	0.00
1968	11	0	0	34.96	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	25.65	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	60.13	0.00	0.00	0.10	0.17	0.10	0.17
1969	4	0	0	66.14	0.00	0.00	0.08	0.12	0.08	0.12
1969	5	0	0	25.72	0.00	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	22.99	0.00	0.00	0.00	0.00	0.00	0.00
1969	7	0	0	22.17	0.00	0.00	0.01	0.03	0.01	0.03
1969	8	0	0	1.42	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.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Cutback Convey.	Total Cutback	% Total Cutback
1969	10	0	0	7.50	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	16.76	0.00	0.00	0.00	0.00	0.00	0.00
1970	1	0	0	3.51	0.00	0.00	0.00	0.00	0.00	0.00
1970	2	0	0	11.48	0.00	0.00	0.00	0.00	0.00	0.00
1970	3	0	0	63.94	0.00	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	74.23	0.00	0.00	0.00	0.00	0.00	0.00
1970	5	0	0	162.85	0.00	0.00	0.07	0.05	0.07	0.05
1970	6	0	0	9.59	0.00	0.00	0.00	0.00	0.00	0.00
1970	7	0	0	10.49	0.00	0.00	0.00	0.00	0.00	0.00
1970	8	0	0	6.29	0.00	0.00	0.00	0.00	0.00	0.00
1970	9	0	0	8.85	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
1970	10	0	0	10.19	0.00	0.00	0.00	0.00	0.00	0.00
1970	11	0	0	88.43	0.00	0.00	0.00	0.00	0.00	0.00
1970	12	0	0	89.25	0.00	0.00	0.00	0.00	0.00	0.00
1971	1	11	3	62.02	1.70	2.75	0.00	0.00	1.70	2.75
1971	2	28	9	49.20	7.86	15.98	0.05	0.10	7.91	16.07
1971	3	0	0	122.34	0.00	0.00	0.00	0.00	0.00	0.00
1971	4	0	0	171.31	0.00	0.00	0.00	0.00	0.00	0.00
1971	5	4	0	98.60	0.00	0.00	0.17	0.18	0.17	0.18
1971	6	28	2	34.29	1.28	3.74	0.09	0.27	1.37	4.01
1971	7	31	0	0.62	0.00	0.00	0.00	0.00	0.00	0.00
1971	8	31	0	4.40	0.00	0.00	0.00	0.00	0.00	0.00
1971	9	26	0	12.45	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
1971	10	13	3	14.53	4.84	33.30	0.00	0.00	4.84	33.31
1971	11	0	0	40.31	0.00	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	49.77	0.00	0.00	0.00	0.00	0.00	0.00
1972	1	0	0	35.28	0.00	0.00	0.30	0.85	0.30	0.85
1972	2	0	0	33.27	0.00	0.00	0.00	0.01	0.00	0.01
1972	3	0	0	115.54	0.00	0.00	0.00	0.00	0.00	0.00
1972	4	0	0	42.52	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	31.36	0.00	0.00	0.60	1.93	0.60	1.93
1972	7	0	0	27.30	0.00	0.00	0.00	0.00	0.00	0.00
1972	8	0	0	37.88	0.00	0.00	0.04	0.10	0.04	0.10
1972	9	20	10	32.33	9.48	29.31	0.08	0.23	9.55	29.54

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	78.82	14.42	18.29	0.01	0.02	14.43	18.31
1972	11	30	5	27.19	4.17	15.35	0.70	2.57	4.87	17.92
1972	12	31	0	26.19	0.00	0.00	0.03	0.12	0.03	0.12
1973	1	31	1	13.53	0.01	0.06	0.08	0.56	0.08	0.62
1973	2	28	0	10.04	0.00	0.00	0.54	5.36	0.54	5.36
1973	3	0	0	76.50	0.00	0.00	0.00	0.00	0.00	0.00
1973	4	0	0	92.77	0.00	0.00	0.00	0.00	0.00	0.00
1973	5	0	0	115.89	0.00	0.00	0.00	0.00	0.00	0.00
1973	6	0	0	27.57	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	18.08	0.00	0.00	0.00	0.00	0.00	0.00
1973	11	0	0	91.88	0.00	0.00	0.00	0.00	0.00	0.00
1973	12	0	0	26.52	0.00	0.00	0.00	0.00	0.00	0.00
1974	1	0	0	46.04	0.00	0.00	0.05	0.12	0.05	0.12
1974	2	0	0	75.96	0.00	0.00	0.00	0.00	0.00	0.00
1974	3	0	0	118.66	0.00	0.00	0.00	0.00	0.00	0.00
1974	4	0	0	109.75	0.00	0.00	0.00	0.00	0.00	0.00
1974	5	23	0	97.50	0.00	0.00	0.17	0.17	0.17	0.17
1974	6	30	0	9.87	0.00	0.00	0.88	8.96	0.88	8.96
1974	7	1	0	1.34	0.00	0.00	0.40	30.13	0.40	30.13
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	25.54	0.00	0.00	0.00	0.00	0.00	0.00
1974	11	0	0	63.88	0.00	0.00	0.00	0.00	0.00	0.00
1974	12	0	0	18.16	0.00	0.00	0.00	0.00	0.00	0.00
1975	1	0	0	76.36	0.00	0.00	0.00	0.00	0.00	0.00
1975	2	0	0	68.30	0.00	0.00	0.00	0.00	0.00	0.00
1975	3	0	0	114.94	0.00	0.00	0.00	0.00	0.00	0.00
1975	4	0	0	113.26	0.00	0.00	0.00	0.00	0.00	0.00
1975	5	0	0	42.75	0.00	0.00	0.08	0.19	0.08	0.19
1975	6	0	0	4.58	0.00	0.00	0.00	0.00	0.00	0.00
1975	7	16	0	2.61	0.00	0.00	0.00	0.00	0.00	0.00
1975	8	31	4	8.58	2.51	29.24	0.00	0.00	2.51	29.24
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	9	0	3.44	0.00	0.00	0.00	0.00	0.00	0.00
1975	11	0	0	53.27	0.00	0.00	0.00	0.00	0.00	0.00
1975	12	0	0	76.81	0.00	0.00	0.00	0.00	0.00	0.00
1976	1	2	0	59.62	0.00	0.00	0.01	0.02	0.01	0.02
1976	2	29	13	64.19	9.94	15.48	0.04	0.07	9.98	15.55
1976	3	0	0	110.16	0.00	0.00	0.00	0.00	0.00	0.00
1976	4	0	0	111.78	0.00	0.00	0.00	0.00	0.00	0.00
1976	5	0	0	9.68	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	18.66	0.00	0.00	0.03	0.16	0.03	0.16
1976	8	0	0	2.60	0.00	0.00	0.00	0.00	0.00	0.00
1976	9	0	0	2.32	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				
1976	10	0	0	66.77	0.00	0.00	0.00	0.00	0.00
1976	11	0	0	46.30	0.00	0.00	0.00	0.00	0.00
1976	12	0	0	22.60	0.00	0.00	0.06	0.28	0.06
1977	1	0	0	1.71	0.00	0.00	0.00	0.00	0.00
1977	2	0	0	52.84	0.00	0.00	0.00	0.00	0.00
1977	3	0	0	120.16	0.00	0.00	0.00	0.00	0.00
1977	4	0	0	135.02	0.00	0.00	0.00	0.00	0.00
1977	5	0	0	42.38	0.00	0.00	0.11	0.26	0.11
1977	6	12	5	61.84	18.91	30.58	0.06	0.10	18.97
1977	7	31	4	20.38	4.78	23.46	0.00	0.00	4.78
1977	8	31	2	7.64	0.74	9.62	0.00	0.00	0.74
1977	9	30	0	0.12	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
1977	10	31	14	70.10	20.28	28.94	0.00	0.00	20.28
1977	11	30	1	24.90	0.00	0.00	1.11	4.44	1.11
1977	12	12	0	1.15	0.00	0.00	0.00	0.00	0.00
1978	1	0	0	7.18	0.00	0.00	0.00	0.00	0.00
1978	2	0	0	25.15	0.00	0.00	0.00	0.00	0.00
1978	3	0	0	97.68	0.00	0.00	0.00	0.00	0.00
1978	4	0	0	107.43	0.00	0.00	0.00	0.00	0.00
1978	5	0	0	18.41	0.00	0.00	0.00	0.00	0.00
1978	6	0	0	20.85	0.00	0.00	0.00	0.00	0.00
1978	7	0	0	1.10	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
1978	9	0	0	1.88	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
1978	10	0	0	8.73	0.00	0.00	0.00	0.00	0.00
1978	11	0	0	24.49	0.00	0.00	0.00	0.00	0.00
1978	12	0	0	17.72	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
1979	2	0	0	39.72	0.00	0.00	0.00	0.00	0.00
1979	3	0	0	108.45	0.00	0.00	0.00	0.00	0.00
1979	4	0	0	112.28	0.00	0.00	0.00	0.00	0.00
1979	5	0	0	0.67	0.00	0.00	0.00	0.00	0.00
1979	6	0	0	151.33	0.00	0.00	1.92	1.27	1.92
1979	7	27	5	22.07	5.16	23.39	0.00	0.00	5.16
1979	8	31	2	7.84	1.01	12.87	0.00	0.00	1.01
1979	9	17	0	0.29	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
1979	10	0	0	12.92	0.00	0.00	0.00	0.00	0.00
1979	11	0	0	4.41	0.00	0.00	0.00	0.00	0.00
1979	12	0	0	19.57	0.00	0.00	0.00	0.00	0.00
1980	1	0	0	37.01	0.00	0.00	0.00	0.00	0.00
1980	2	0	0	11.21	0.00	0.00	0.00	0.00	0.00
1980	3	0	0	100.19	0.00	0.00	0.00	0.00	0.00
1980	4	0	0	13.43	0.00	0.00	0.07	0.56	0.07
1980	5	0	0	96.48	0.00	0.00	0.00	0.00	0.00
1980	6	0	0	129.66	0.00	0.00	0.88	0.68	0.88
1980	7	21	4	14.79	4.08	27.55	0.00	0.00	4.08
1980	8	31	0	7.14	0.00	0.00	0.00	0.00	0.00
1980	9	30	0	2.74	0.00	0.00	0.00	0.00	0.00

Year	Mon					SSM Cutback Volume	Convey. Cutback Volume	% Cutback Convey.		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	% SSM Cutback			Total Cutback	% Total Cutback	
1980	10	31	19	77.22	19.00	24.61	0.00	0.00	19.00	24.61
1980	11	30	5	29.41	2.73	9.27	0.66	2.25	3.39	11.52
1980	12	31	7	38.31	6.49	16.95	0.00	0.00	6.49	16.95
1981	1	31	27	73.78	25.23	34.20	0.00	0.00	25.23	34.20
1981	2	28	7	30.60	6.97	22.76	0.05	0.15	7.01	22.91
1981	3	0	0	79.29	0.00	0.00	0.00	0.00	0.00	0.00
1981	4	0	0	153.25	0.00	0.00	0.02	0.01	0.02	0.01
1981	5	18	6	151.43	7.18	4.74	0.27	0.18	7.45	4.92
1981	6	30	11	80.98	28.04	34.63	1.93	2.38	29.97	37.00
1981	7	31	17	70.48	45.75	64.91	0.00	0.00	45.75	64.91
1981	8	31	0	2.20	0.00	0.00	0.00	0.00	0.00	0.00
1981	9	30	0	1.94	0.00	0.00	0.00	0.00	0.00	0.00
Year	Mon					SSM Cutback Volume	Convey. Cutback Volume	% Cutback Convey.		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	% SSM Cutback			Total Cutback	% Total Cutback	
1981	10	31	28	102.07	35.36	34.65	0.00	0.00	35.37	34.65
1981	11	30	12	51.37	19.30	37.57	0.94	1.83	20.24	39.40
1981	12	31	29	88.82	39.48	44.45	0.00	0.00	39.48	44.46
1982	1	31	27	74.88	28.66	38.28	0.00	0.00	28.66	38.28
1982	2	28	3	28.96	2.51	8.66	0.00	0.00	2.51	8.66
1982	3	0	0	74.76	0.00	0.00	0.00	0.00	0.00	0.00
1982	4	0	0	11.75	0.00	0.00	0.00	0.02	0.00	0.02
1982	5	0	0	107.69	0.00	0.00	0.00	0.00	0.00	0.00
1982	6	0	0	19.54	0.00	0.00	0.09	0.45	0.09	0.45
1982	7	0	0	4.87	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					SSM Cutback Volume	Convey. Cutback Volume	% Cutback Convey.		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	% SSM Cutback			Total Cutback	% Total Cutback	
1982	10	0	0	13.17	0.00	0.00	0.00	0.00	0.00	0.00
1982	11	0	0	44.71	0.00	0.00	0.00	0.00	0.00	0.00
1982	12	0	0	46.90	0.00	0.00	0.00	0.00	0.00	0.00
1983	1	0	0	21.80	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	48.26	0.00	0.00	0.00	0.00	0.00	0.00
1983	4	0	0	29.77	0.00	0.00	0.00	0.00	0.00	0.00
1983	5	0	0	210.17	0.00	0.00	0.07	0.03	0.07	0.03
1983	6	0	0	28.45	0.00	0.00	0.00	0.00	0.00	0.00
1983	7	0	0	33.48	0.00	0.00	0.00	0.00	0.00	0.00
1983	8	0	0	5.56	0.00	0.00	0.00	0.00	0.00	0.00
1983	9	0	0	6.14	0.00	0.00	0.06	1.00	0.06	1.00
Year	Mon					SSM Cutback Volume	Convey. Cutback Volume	% Cutback Convey.		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	% SSM Cutback			Total Cutback	% Total Cutback	
1983	10	0	0	3.27	0.00	0.00	0.00	0.00	0.00	0.00
1983	11	0	0	19.82	0.00	0.00	0.00	0.00	0.00	0.00
1983	12	0	0	16.90	0.00	0.00	0.00	0.00	0.00	0.00
1984	1	0	0	29.26	0.00	0.00	0.00	0.00	0.00	0.00
1984	2	0	0	32.02	0.00	0.00	0.00	0.00	0.00	0.00
1984	3	0	0	62.09	0.00	0.00	0.00	0.00	0.00	0.00
1984	4	0	0	48.85	0.00	0.00	0.00	0.00	0.00	0.00
1984	5	0	0	119.20	0.00	0.00	0.00	0.00	0.00	0.00
1984	6	0	0	52.03	0.00	0.00	0.14	0.26	0.14	0.26
1984	7	0	0	1.33	0.00	0.00	0.01	0.46	0.01	0.46
1984	8	0	0	16.70	0.00	0.00	0.00	0.00	0.00	0.00
1984	9	0	0	14.29	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	SSM				Convey.		% Convey.		
		# Days SSM	# Days SSMwC.B.	Suppl. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Cutback Convey.	Total Cutback	% Total Cutback
1984	10	0	0	51.87	0.00	0.00	0.00	0.00	0.00	0.00
1984	11	0	0	57.39	0.00	0.00	0.00	0.00	0.00	0.00
1984	12	0	0	47.38	0.00	0.00	0.00	0.00	0.00	0.00
1985	1	0	0	57.74	0.00	0.00	0.05	0.09	0.05	0.09
1985	2	0	0	88.19	0.00	0.00	0.00	0.00	0.00	0.00
1985	3	0	0	67.01	0.00	0.00	0.00	0.00	0.00	0.00
1985	4	0	0	27.43	0.00	0.00	0.01	0.03	0.01	0.03
1985	5	0	0	109.96	0.00	0.00	0.00	0.00	0.00	0.00
1985	6	11	0	100.36	0.00	0.00	2.18	2.17	2.18	2.17
1985	7	31	1	5.17	1.23	23.74	0.00	0.00	1.23	23.74
1985	8	31	0	1.99	0.00	0.00	0.00	0.00	0.00	0.00
1985	9	30	0	0.30	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	SSM				Convey.		% Convey.	
		# Days SSM	# Days SSMwC.B.	Suppl. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Total Cutback	% Total Cutback
1985	10	4	0	8.00	0.00	0.00	0.00	0.00	0.00
1985	11	0	0	34.39	0.00	0.00	0.00	0.00	0.00
1985	12	0	0	18.15	0.00	0.00	0.00	0.00	0.00
1986	1	0	0	13.65	0.00	0.00	0.02	0.17	0.02
1986	2	0	0	47.75	0.00	0.00	0.13	0.27	0.13
1986	3	0	0	50.74	0.00	0.00	0.00	0.00	0.00
1986	4	0	0	138.04	0.00	0.00	0.00	0.00	0.00
1986	5	0	0	129.91	0.00	0.00	0.42	0.32	0.42
1986	6	11	0	18.85	0.00	0.00	0.00	0.00	0.00
1986	7	0	0	3.16	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
1986	9	0	0	5.99	0.00	0.00	0.00	0.00	0.00

Year	Mon	SSM				Convey.		% Convey.		
		# Days SSM	# Days SSMwC.B.	Suppl. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Cutback Convey.	Total Cutback	% Total Cutback
1986	10	0	0	30.74	0.00	0.00	0.00	0.00	0.00	0.00
1986	11	0	0	21.93	0.00	0.00	0.06	0.28	0.06	0.28
1986	12	0	0	39.98	0.00	0.00	0.41	1.04	0.41	1.04
1987	1	0	0	11.81	0.00	0.00	0.00	0.00	0.00	0.00
1987	2	0	0	20.74	0.00	0.00	0.03	0.17	0.03	0.17
1987	3	0	0	70.76	0.00	0.00	0.00	0.00	0.00	0.00
1987	4	0	0	108.01	0.00	0.00	0.02	0.02	0.02	0.02
1987	5	0	0	109.87	0.00	0.00	0.13	0.11	0.13	0.11
1987	6	0	0	110.21	0.00	0.00	0.18	0.16	0.18	0.16
1987	7	23	3	13.49	1.16	8.57	0.00	0.00	1.16	8.57
1987	8	31	19	59.30	39.81	67.13	0.00	0.00	39.81	67.13
1987	9	30	8	15.13	5.90	39.04	0.00	0.00	5.90	39.04

Year	Mon	SSM				Convey.		%		
		# Days SSM	# Days SSMwC.B.	Suppl. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Cutback Convey.	Total Cutback	% Total Cutback
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1987	10	31	0	17.74	0.00	0.00	0.00	0.00	0.00	0.00
1987	11	9	0	2.60	0.00	0.00	0.32	12.42	0.32	12.42
1987	12	0	0	34.33	0.00	0.00	0.00	0.00	0.00	0.00
1988	1	0	0	8.94	0.00	0.00	0.00	0.00	0.00	0.00
1988	2	0	0	10.80	0.00	0.00	0.00	0.00	0.00	0.00
1988	3	0	0	69.25	0.00	0.00	0.00	0.00	0.00	0.00
1988	4	0	0	134.70	0.00	0.00	0.00	0.00	0.00	0.00
1988	5	0	0	107.72	0.00	0.00	0.00	0.00	0.00	0.00
1988	6	0	0	56.58	0.00	0.00	0.25	0.44	0.25	0.44
1988	7	0	0	6.81	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	8	8	48.74	18.32	37.58	0.01	0.02	18.33	37.60

Year	Mon				SSM	Convey.	%			
		# Days	# Days	Supplm.	Cutback	% SSM	Cutback	Cutback	Total	% Total
		SSM	SSMwC.B.	Volume	Volume	Cutback	Volume	Convey.	Cutback	Cutback
1988	10	31	28	122.17	38.88	31.82	0.53	0.44	39.41	32.26
1988	11	30	0	39.67	0.00	0.00	0.89	2.25	0.89	2.25
1988	12	31	4	46.93	1.49	3.18	0.18	0.38	1.67	3.57
1989	1	31	12	54.69	7.62	13.94	0.21	0.39	7.84	14.33
1989	2	28	18	86.85	13.49	15.53	0.07	0.08	13.56	15.61
1989	3	0	0	100.82	0.00	0.00	0.00	0.00	0.00	0.00
1989	4	0	0	44.78	0.00	0.00	0.03	0.06	0.03	0.06
1989	5	0	0	128.46	0.00	0.00	0.13	0.10	0.13	0.10
1989	6	12	0	118.02	0.00	0.00	4.13	3.50	4.13	3.50
1989	7	31	9	33.98	15.29	45.01	0.00	0.00	15.30	45.01
1989	8	31	2	5.15	0.38	7.45	0.00	0.00	0.38	7.45
1989	9	30	0	0.86	0.00	0.00	0.00	0.00	0.00	0.00
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Year	Mon				SSM	Convey.	%			
		# Days	# Days	Supplm.	Cutback	% SSM	Cutback	Cutback	Total	% Total
		SSM	SSMwC.B.	Volume	Volume	Cutback	Volume	Convey.	Cutback	Cutback
1989	10	31	1	14.23	0.11	0.79	0.00	0.00	0.11	0.80
1989	11	30	21	93.13	10.95	11.76	0.81	0.87	11.76	12.63
1989	12	31	2	24.72	0.39	1.57	0.02	0.07	0.41	1.64
1990	1	31	12	58.57	6.48	11.07	0.10	0.17	6.59	11.24
1990	2	28	0	12.18	0.00	0.00	0.05	0.45	0.05	0.45
1990	3	0	0	90.33	0.00	0.00	0.00	0.00	0.00	0.00
1990	4	0	0	90.45	0.00	0.00	0.00	0.00	0.00	0.00
1990	5	0	0	46.32	0.00	0.00	0.05	0.10	0.05	0.10
1990	6	12	2	56.14	2.47	4.39	0.98	1.75	3.45	6.14
1990	7	30	1	5.20	0.13	2.52	0.00	0.00	0.13	2.52
1990	8	18	0	2.54	0.00	0.00	0.00	0.00	0.00	0.00
1990	9	22	9	20.39	3.58	17.55	0.00	0.00	3.58	17.55
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Year	Mon				SSM	Convey.	%			
		# Days	# Days	Supplm.	Cutback	% SSM	Cutback	Cutback	Total	% Total
		SSM	SSMwC.B.	Volume	Volume	Cutback	Volume	Convey.	Cutback	Cutback
1990	10	12	0	14.44	0.00	0.00	0.00	0.00	0.00	0.00
1990	11	0	0	76.96	0.00	0.00	0.00	0.00	0.00	0.00
1990	12	0	0	78.40	0.00	0.00	0.00	0.00	0.00	0.00
1991	1	0	0	4.74	0.00	0.00	0.00	0.00	0.00	0.00
1991	2	0	0	26.94	0.00	0.00	0.00	0.00	0.00	0.00
1991	3	0	0	92.38	0.00	0.00	0.00	0.00	0.00	0.00
1991	4	0	0	4.07	0.00	0.00	0.00	0.00	0.00	0.00
1991	5	0	0	50.26	0.00	0.00	0.00	0.00	0.00	0.00
1991	6	0	0	15.67	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	8.20	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	0	0	4.98	0.00	0.00	0.00	0.00	0.00	0.00
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Year	Mon				SSM	Convey.	%			
		# Days	# Days	Supplm.	Cutback	% SSM	Cutback	Cutback	Total	% Total
		SSM	SSMwC.B.	Volume	Volume	Cutback	Volume	Convey.	Cutback	Cutback
1991	10	0	0	11.80	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	0	0	42.93	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	0	0	34.48	0.00	0.00	0.00	0.00	0.00	0.00
1992	1	0	0	19.62	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	0	0	22.39	0.00	0.00	0.00	0.00	0.00	0.00
1992	3	0	0	61.15	0.00	0.00	0.00	0.00	0.00	0.00
1992	4	0	0	7.30	0.00	0.00	0.00	0.03	0.00	0.03
1992	5	0	0	202.03	0.00	0.00	0.41	0.20	0.41	0.20
1992	6	0	0	20.82	0.00	0.00	0.08	0.39	0.08	0.39
1992	7	0	0	17.61	0.00	0.00	0.00	0.00	0.00	0.00
1992	8	0	0	6.24	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					SSM Cutback Volume	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
		# Days SSM	# Days SSMwC.B.	Supplem. Volume	% SSM Cutback					
1992	10	0	0	50.88	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0	0	19.88	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	0	0	38.91	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	7.62	0.00	0.00	0.00	0.00	0.00	0.00
1993	3	0	0	54.84	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0	0	56.23	0.00	0.00	0.00	0.00	0.00	0.00
1993	5	0	0	181.64	0.00	0.00	0.01	0.00	0.01	0.00
1993	6	0	0	39.14	0.00	0.00	0.00	0.00	0.00	0.00
1993	7	2	0	43.95	0.00	0.00	0.00	0.00	0.00	0.00
1993	8	31	15	48.90	19.86	40.62	0.00	0.00	19.86	40.62
1993	9	30	0	2.77	0.00	0.00	0.00	0.00	0.00	0.00
Year	Mon					SSM Cutback Volume	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
		# Days SSM	# Days SSMwC.B.	Supplem. Volume	% SSM Cutback					
1993	10	31	0	3.06	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	1	0	35.10	0.00	0.00	0.00	0.00	0.00	0.00
1993	12	0	0	46.66	0.00	0.00	0.00	0.00	0.00	0.00
1994	1	0	0	7.13	0.00	0.00	0.00	0.00	0.00	0.00
1994	2	0	0	8.90	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0	0	76.52	0.00	0.00	0.01	0.01	0.01	0.01
1994	4	0	0	49.81	0.00	0.00	0.09	0.19	0.09	0.19
1994	5	0	0	97.67	0.00	0.00	0.00	0.00	0.00	0.00
1994	6	0	0	18.49	0.00	0.00	0.00	0.00	0.00	0.00
1994	7	0	0	16.95	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					SSM Cutback Volume	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
		# Days SSM	# Days SSMwC.B.	Supplem. Volume	% SSM Cutback					
1994	10	0	0	7.55	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	0	0	10.50	0.00	0.00	0.00	0.00	0.00	0.00
1994	12	0	0	0.29	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	7.81	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	0	0	69.43	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0	0	74.61	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0	0	91.42	0.00	0.00	0.05	0.06	0.05	0.06
1995	6	0	0	23.25	0.00	0.00	0.31	1.33	0.31	1.33
1995	7	0	0	12.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	0	0	2.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	0	0	10.29	0.00	0.00	0.00	0.00	0.00	0.00
Year	Mon					SSM Cutback Volume	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
		# Days SSM	# Days SSMwC.B.	Supplem. Volume	% SSM Cutback					
1995	10	0	0	0.84	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	0	0	45.23	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	0	0	32.30	0.00	0.00	0.00	0.00	0.00	0.00
1996	1	0	0	12.79	0.00	0.00	0.00	0.00	0.00	0.00
1996	2	0	0	73.78	0.00	0.00	0.00	0.00	0.00	0.00
1996	3	0	0	91.65	0.00	0.00	0.00	0.00	0.00	0.00
1996	4	0	0	60.21	0.00	0.00	0.00	0.00	0.00	0.00
1996	5	0	0	34.38	0.00	0.00	0.00	0.00	0.00	0.00
1996	6	0	0	2.97	0.00	0.00	0.00	0.00	0.00	0.00
1996	7	0	0	55.48	0.00	0.00	0.00	0.00	0.00	0.00
1996	8	0	0	12.92	0.00	0.00	0.07	0.56	0.07	0.56
1996	9	0	0	28.64	0.00	0.00	0.02	0.07	0.02	0.07

Year	Mon	SSM				Convey.		% Total		
		# Days SSM	# Days SSMwC.B.	Supplem. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1996	10	2	0	16.04	0.00	0.00	0.00	0.00	0.00	0.00
1996	11	0	0	66.85	0.00	0.00	0.00	0.00	0.00	0.00
1996	12	0	0	71.77	0.00	0.00	0.00	0.00	0.00	0.00
1997	1	0	0	40.99	0.00	0.00	0.00	0.00	0.00	0.00
1997	2	0	0	44.08	0.00	0.00	0.23	0.52	0.23	0.52
1997	3	0	0	68.63	0.00	0.00	0.00	0.00	0.00	0.00
1997	4	0	0	29.85	0.00	0.00	0.00	0.00	0.00	0.00
1997	5	0	0	19.04	0.00	0.00	0.00	0.00	0.00	0.00
1997	6	0	0	31.79	0.00	0.00	0.62	1.96	0.62	1.96
1997	7	0	0	12.26	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	6.17	0.00	0.00	0.00	0.00	0.00	0.00
Year		SSM				Convey.		% Total		
# Days SSM	# Days SSMwC.B.	Supplem. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback		
1997	10	0	0	46.90	0.00	0.00	0.00	0.00	0.00	
1997	11	0	0	16.14	0.00	0.00	0.00	0.00	0.00	
1997	12	0	0	0.00	0.00	0.00	0.00	0.00	0.00	
1998	1	0	0	2.17	0.00	0.00	0.00	0.00	0.00	
1998	2	0	0	1.99	0.00	0.00	0.00	0.00	0.00	
1998	3	0	0	58.78	0.00	0.00	0.00	0.00	0.00	
1998	4	0	0	97.15	0.00	0.00	0.00	0.00	0.00	
1998	5	0	0	132.38	0.00	0.00	0.19	0.14	0.19	0.14
1998	6	0	0	148.10	0.00	0.00	1.65	1.12	1.65	1.12
1998	7	30	5	25.16	6.03	23.98	0.00	0.00	6.03	23.98
1998	8	31	3	8.73	0.77	8.83	0.60	6.82	1.37	15.65
1998	9	30	1	2.08	0.05	2.31	0.00	0.00	0.05	2.31
Year		SSM				Convey.		% Total		
# Days SSM	# Days SSMwC.B.	Supplem. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback		
1998	10	8	0	23.45	0.00	0.00	0.00	0.00	0.00	
1998	11	0	0	18.86	0.00	0.00	0.00	0.00	0.00	
1998	12	0	0	31.06	0.00	0.00	0.00	0.00	0.00	
1999	1	0	0	10.27	0.00	0.00	0.00	0.00	0.00	
1999	2	0	0	45.83	0.00	0.00	0.00	0.00	0.00	
1999	3	0	0	121.38	0.00	0.00	0.00	0.00	0.00	
1999	4	0	0	126.43	0.00	0.00	0.00	0.00	0.00	
1999	5	0	0	87.77	0.00	0.00	0.62	0.70	0.62	0.70
1999	6	0	0	6.51	0.00	0.00	0.00	0.00	0.00	0.00
1999	7	0	0	8.60	0.00	0.00	0.03	0.37	0.03	0.37
1999	8	0	0	13.22	0.00	0.00	0.05	0.37	0.05	0.37
1999	9	0	0	1.75	0.00	0.00	0.33	18.63	0.33	18.63
Year		SSM				Convey.		% Total		
# Days SSM	# Days SSMwC.B.	Supplem. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback		
1999	10	0	0	0.42	0.00	0.00	0.00	0.00	0.00	
1999	11	0	0	37.48	0.00	0.00	0.00	0.00	0.00	
1999	12	0	0	47.31	0.00	0.00	0.00	0.00	0.00	
2000	1	0	0	59.60	0.00	0.00	0.00	0.00	0.00	
2000	2	0	0	65.01	0.00	0.00	0.00	0.00	0.00	
2000	3	0	0	63.35	0.00	0.00	0.00	0.00	0.00	
2000	4	0	0	71.40	0.00	0.00	0.00	0.00	0.00	
2000	5	0	0	183.24	0.00	0.00	0.08	0.04	0.08	0.04
2000	6	28	20	180.18	85.41	47.40	0.62	0.34	86.03	47.75
2000	7	31	0	2.45	0.00	0.00	0.00	0.00	0.00	0.00
2000	8	31	16	50.78	37.22	73.31	0.00	0.00	37.22	73.31
2000	9	30	5	5.09	2.20	43.16	0.00	0.00	2.20	43.16

Year	Mon					SSM	Convey.	% Cutback		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume			% SSM Cutback	Cutback Volume	Total Cutback
2000	10	31	10	43.51	8.04	18.49	0.00	0.00	8.05	18.49
2000	11	30	28	106.16	41.89	39.46	0.14	0.13	42.03	39.59
2000	12	31	26	79.95	32.45	40.59	0.04	0.05	32.49	40.64
2001	1	31	27	71.88	27.29	37.96	0.01	0.02	27.30	37.98
2001	2	28	28	97.11	46.41	47.79	0.00	0.00	46.41	47.79
2001	3	0	0	60.28	0.00	0.00	0.19	0.31	0.19	0.31
2001	4	0	0	120.45	0.00	0.00	0.02	0.02	0.02	0.02
2001	5	0	0	139.46	0.00	0.00	0.40	0.29	0.40	0.29
2001	6	12	1	43.57	0.13	0.31	0.05	0.12	0.18	0.42
2001	7	31	2	11.23	1.77	15.75	0.00	0.00	1.77	15.75
2001	8	6	0	23.31	0.00	0.00	0.00	0.00	0.00	0.00
2001	9	0	0	5.52	0.00	0.00	0.00	0.00	0.00	0.00
Year	Mon					SSM	Convey.	% Cutback		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume			% SSM Cutback	Cutback Volume	Total Cutback
2001	10	0	0	10.06	0.00	0.00	0.00	0.00	0.00	0.00
2001	11	0	0	41.32	0.00	0.00	0.00	0.00	0.00	0.00
2001	12	0	0	41.66	0.00	0.00	0.01	0.02	0.01	0.02
2002	1	0	0	28.68	0.00	0.00	0.00	0.00	0.00	0.00
2002	2	0	0	30.49	0.00	0.00	0.00	0.00	0.00	0.00
2002	3	0	0	110.47	0.00	0.00	0.00	0.00	0.00	0.00
2002	4	0	0	105.37	0.00	0.00	0.00	0.00	0.00	0.00
2002	5	20	5	154.47	7.06	4.57	0.23	0.15	7.29	4.72
2002	6	30	10	72.97	30.01	41.13	4.02	5.51	34.03	46.64
2002	7	1	0	12.58	0.00	0.00	0.00	0.00	0.00	0.00
2002	8	0	0	14.80	0.00	0.00	0.12	0.83	0.12	0.83
2002	9	0	0	10.68	0.00	0.00	0.00	0.00	0.00	0.00
Year	Mon					SSM	Convey.	% Cutback		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume			% SSM Cutback	Cutback Volume	Total Cutback
2002	10	0	0	11.85	0.00	0.00	0.00	0.00	0.00	0.00
2002	11	0	0	30.79	0.00	0.00	0.00	0.00	0.00	0.00
2002	12	0	0	7.60	0.00	0.00	0.00	0.00	0.00	0.00
2003	1	0	0	45.79	0.00	0.00	0.00	0.00	0.00	0.00
2003	2	0	0	56.69	0.00	0.00	0.00	0.00	0.00	0.00
2003	3	0	0	48.85	0.00	0.00	0.00	0.00	0.00	0.00
2003	4	0	0	67.42	0.00	0.00	0.00	0.00	0.00	0.00
2003	5	0	0	55.09	0.00	0.00	0.00	0.00	0.00	0.00
2003	6	0	0	15.77	0.00	0.00	0.00	0.00	0.00	0.00
2003	7	0	0	15.36	0.00	0.00	0.11	0.69	0.11	0.69
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		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume			% SSM Cutback	Cutback Volume	Total Cutback
2003	10	0	0	41.05	0.00	0.00	0.00	0.00	0.00	0.00
2003	11	0	0	32.61	0.00	0.00	0.00	0.00	0.00	0.00
2003	12	0	0	28.47	0.00	0.00	0.01	0.02	0.01	0.02
2004	1	0	0	45.43	0.00	0.00	0.00	0.00	0.00	0.00
2004	2	0	0	17.48	0.00	0.00	0.00	0.00	0.00	0.00
2004	3	0	0	113.75	0.00	0.00	0.00	0.00	0.00	0.00
2004	4	0	0	96.46	0.00	0.00	0.00	0.00	0.00	0.00
2004	5	3	3	194.97	9.81	5.03	0.05	0.03	9.86	5.06
2004	6	30	9	58.80	20.71	35.22	0.99	1.69	21.70	36.90
2004	7	31	18	54.28	31.91	58.79	0.03	0.06	31.94	58.85
2004	8	31	0	0.08	0.00	0.00	0.06	79.33	0.06	79.33
2004	9	8	0	0.28	0.00	0.00	0.13	45.82	0.13	45.82

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	42.85	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	44.65	0.00	0.00	0.00	0.00	0.00	
2005	2	0	0	79.26	0.00	0.00	0.00	0.00	0.00	
2005	3	0	0	51.30	0.00	0.00	0.00	0.00	0.00	
2005	4	0	0	59.92	0.00	0.00	0.00	0.00	0.00	
2005	5	0	0	66.73	0.00	0.00	0.08	0.13	0.08	
2005	6	0	0	4.19	0.00	0.00	0.00	0.00	0.00	
2005	7	0	0	19.71	0.00	0.00	0.00	0.00	0.00	
2005	8	0	0	6.00	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)

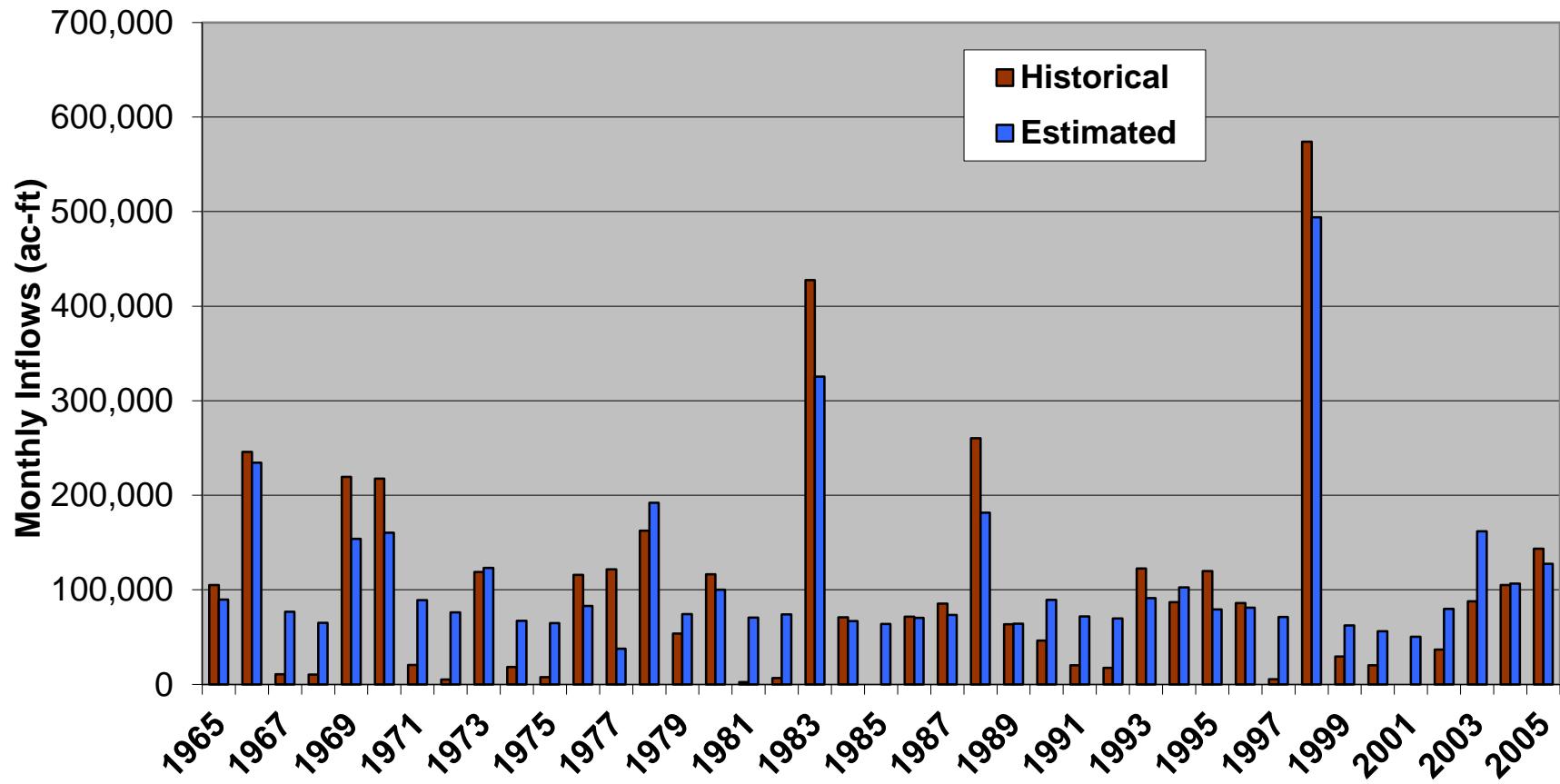
Run:

SFWMM v6.7.4 - March 15, 2020 DPA Final LOK Stage 12.38

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

Wat_Year	# Days SSM	# Days SSMwC.B.	Supplm. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1966	16	0	313.16	0.00	0.00	0.04	0.01	0.04	0.01
1967	152	43	776.15	88.12	11.35	13.39	1.72	101.50	13.08
1968	152	32	518.08	16.15	3.12	0.39	0.07	16.54	3.19
1969	0	0	390.56	0.00	0.00	0.19	0.05	0.19	0.05
1970	0	0	386.43	0.00	0.00	0.07	0.02	0.07	0.02
1971	159	14	743.11	10.85	1.46	0.32	0.04	11.16	1.50
1972	33	13	483.73	14.32	2.96	1.02	0.21	15.34	3.17
1973	151	22	471.27	18.60	3.95	1.36	0.29	19.96	4.23
1974	54	0	596.60	0.00	0.00	1.51	0.25	1.51	0.25
1975	77	4	539.45	2.51	0.47	0.08	0.01	2.59	0.48
1976	40	13	529.16	9.94	1.88	0.08	0.02	10.02	1.89
1977	104	11	577.76	24.43	4.23	0.24	0.04	24.66	4.27
1978	73	15	375.92	20.28	5.40	1.11	0.29	21.39	5.69
1979	75	7	493.59	6.17	1.25	1.92	0.39	8.09	1.64
1980	82	4	449.55	4.08	0.91	0.95	0.21	5.03	1.12
1981	291	99	788.88	141.40	17.92	2.92	0.37	144.32	18.29
1982	151	99	572.06	125.32	21.91	1.03	0.18	126.35	22.09
1983	0	0	488.68	0.00	0.00	0.13	0.03	0.13	0.03
1984	0	0	415.76	0.00	0.00	0.14	0.03	0.14	0.03
1985	103	1	614.80	1.23	0.20	2.24	0.36	3.46	0.56
1986	15	0	468.64	0.00	0.00	0.57	0.12	0.57	0.12
1987	84	30	611.97	46.87	7.66	0.84	0.14	47.71	7.80
1988	48	8	498.22	18.32	3.68	0.58	0.12	18.90	3.79
1989	255	73	782.37	77.16	9.86	6.17	0.79	83.33	10.65
1990	233	48	514.19	24.11	4.69	2.01	0.39	26.12	5.08
1991	12	0	377.02	0.00	0.00	0.00	0.00	0.00	0.00
1992	0	0	447.27	0.00	0.00	0.49	0.11	0.49	0.11
1993	63	15	544.96	19.86	3.64	0.01	0.00	19.87	3.65
1994	32	0	361.01	0.00	0.00	0.10	0.03	0.10	0.03
1995	0	0	312.65	0.00	0.00	0.36	0.12	0.36	0.12
1996	0	0	451.19	0.00	0.00	0.09	0.02	0.09	0.02
1997	2	0	409.41	0.00	0.00	0.85	0.21	0.85	0.21
1998	91	9	539.59	6.85	1.27	2.44	0.45	9.29	1.72
1999	8	0	495.11	0.00	0.00	1.03	0.21	1.03	0.21
2000	120	41	766.33	124.83	16.29	0.70	0.09	125.53	16.38
2001	200	122	802.42	157.98	19.69	0.84	0.11	158.82	19.79
2002	51	15	633.56	37.07	5.85	4.39	0.69	41.46	6.54
2003	0	0	356.42	0.00	0.00	0.11	0.03	0.11	0.03
2004	103	30	683.66	62.43	9.13	1.27	0.19	63.70	9.32
2005	0	0	454.80	0.00	0.00	0.08	0.02	0.08	0.02

March 2020 Mid-Month Dynamic Position Analysis
Historical and Estimated S-65E Monthly Flow
for March from 1965 - 2005



March 2020 Mid-Month Dynamic Position Analysis
Historical and Estimated S-65E Monthly Flow
for April from 1965 - 2005

