

Dynamic Position Analysis for April 15, 2020

SFWMM Model Simulation of 41 years (1965-2005)

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April 15, 2020
Dynamic Position Analysis
Using Hybrid LOWSM
Modeling Assumptions

- April 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 April 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 for the summer 2020 (~60% chance), remaining the most likely outcome through autumn.
- 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:

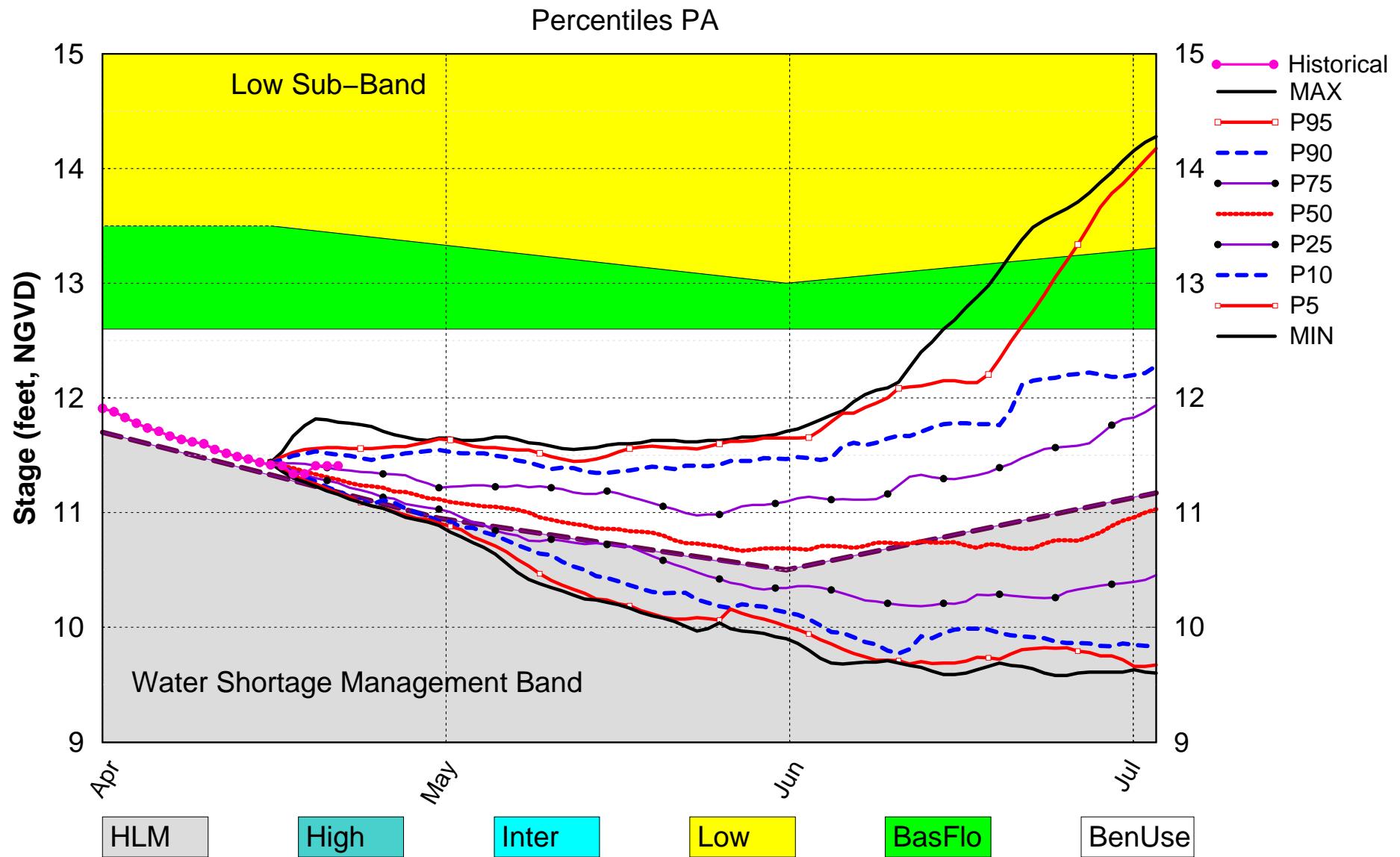
https://origin.cpc.ncep.noaa.gov/products/analysis_monitoring/ensostuff/ONI_v5.php

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](#).

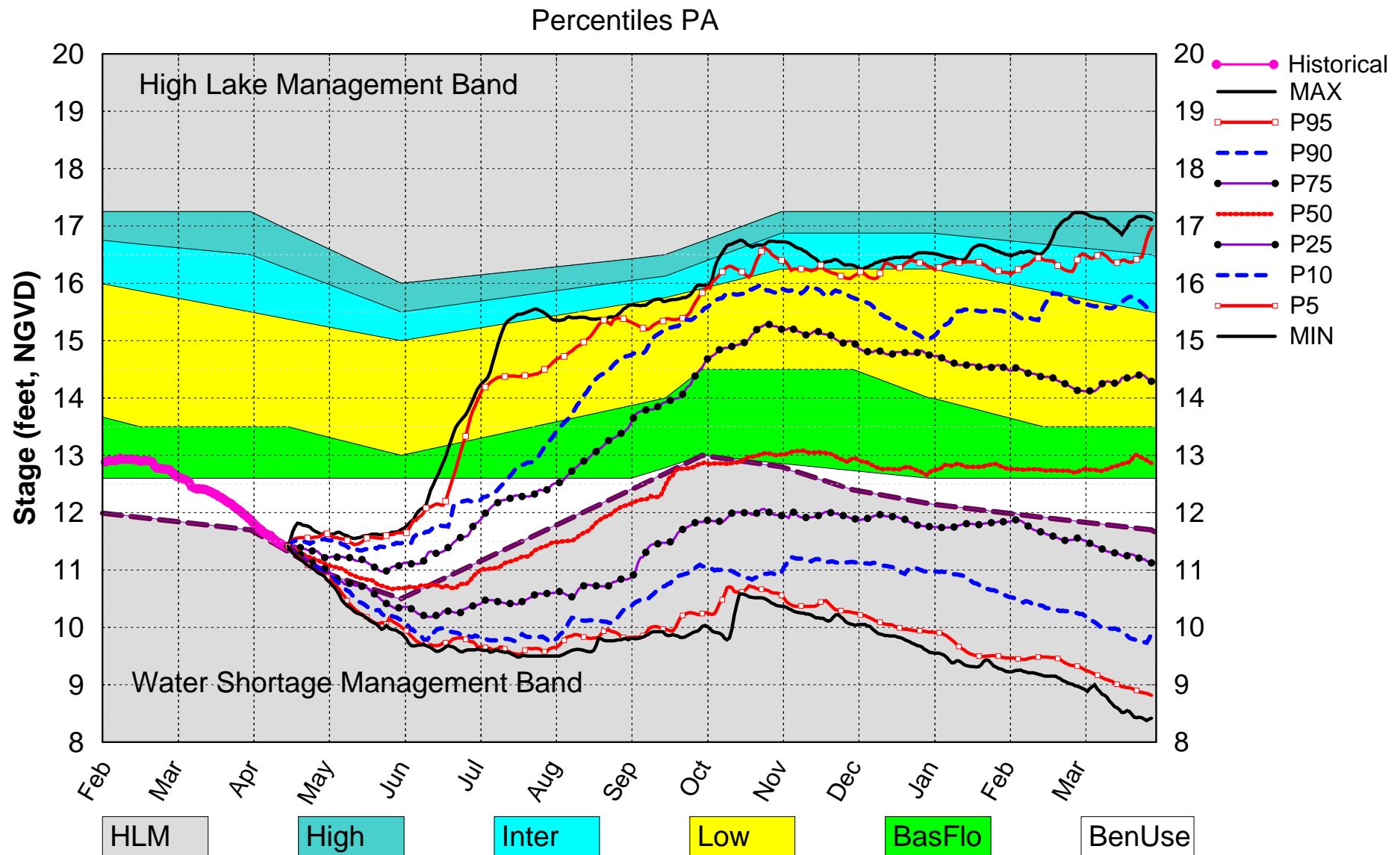
[**Back to Operational Planning Main Page**](#)

Lake Okeechobee SFWMM Apr 2020 Mid-Month Position Analysis



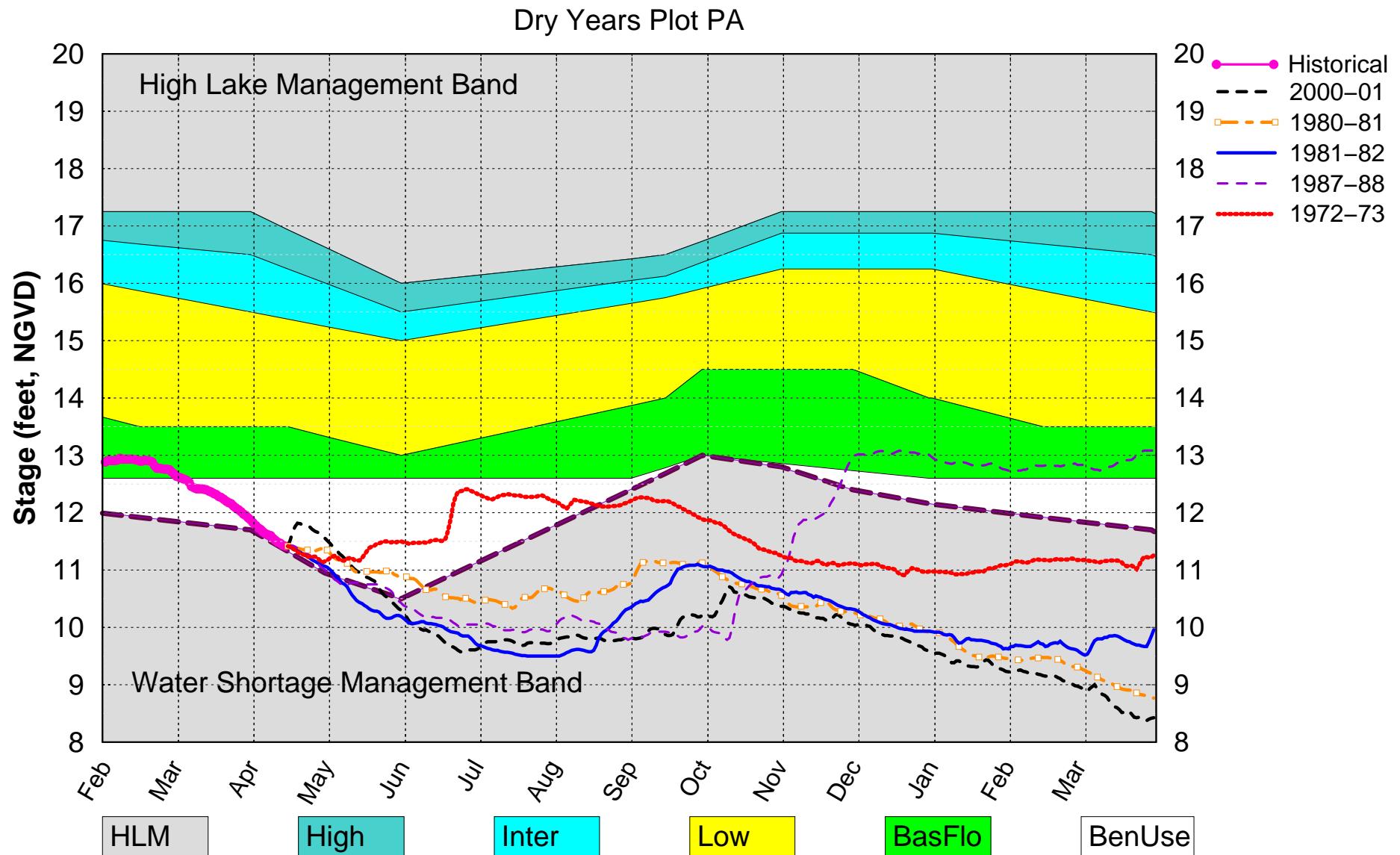
(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM Apr 2020 Mid-Month Position Analysis



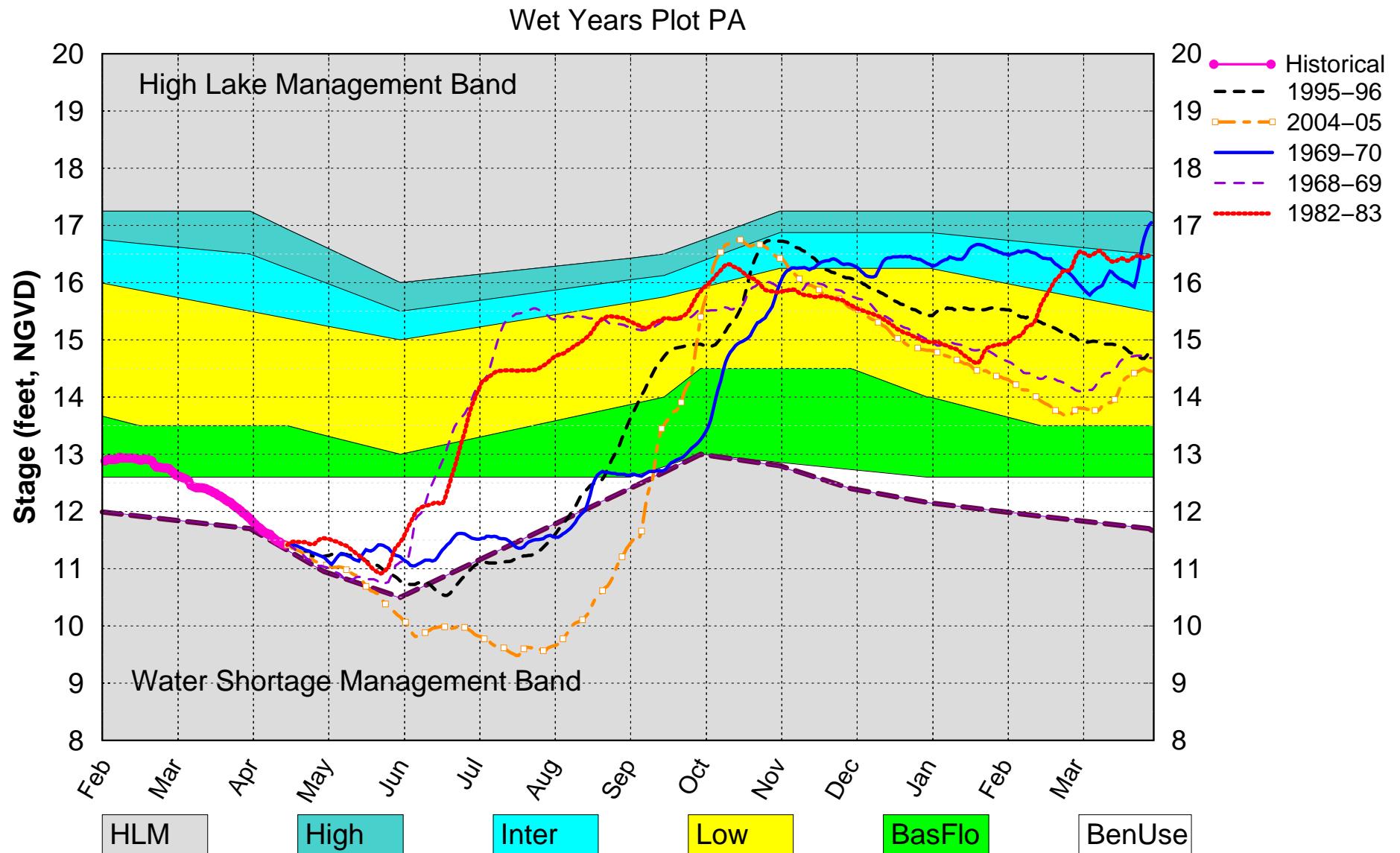
(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM Apr 2020 Mid-Month Position Analysis



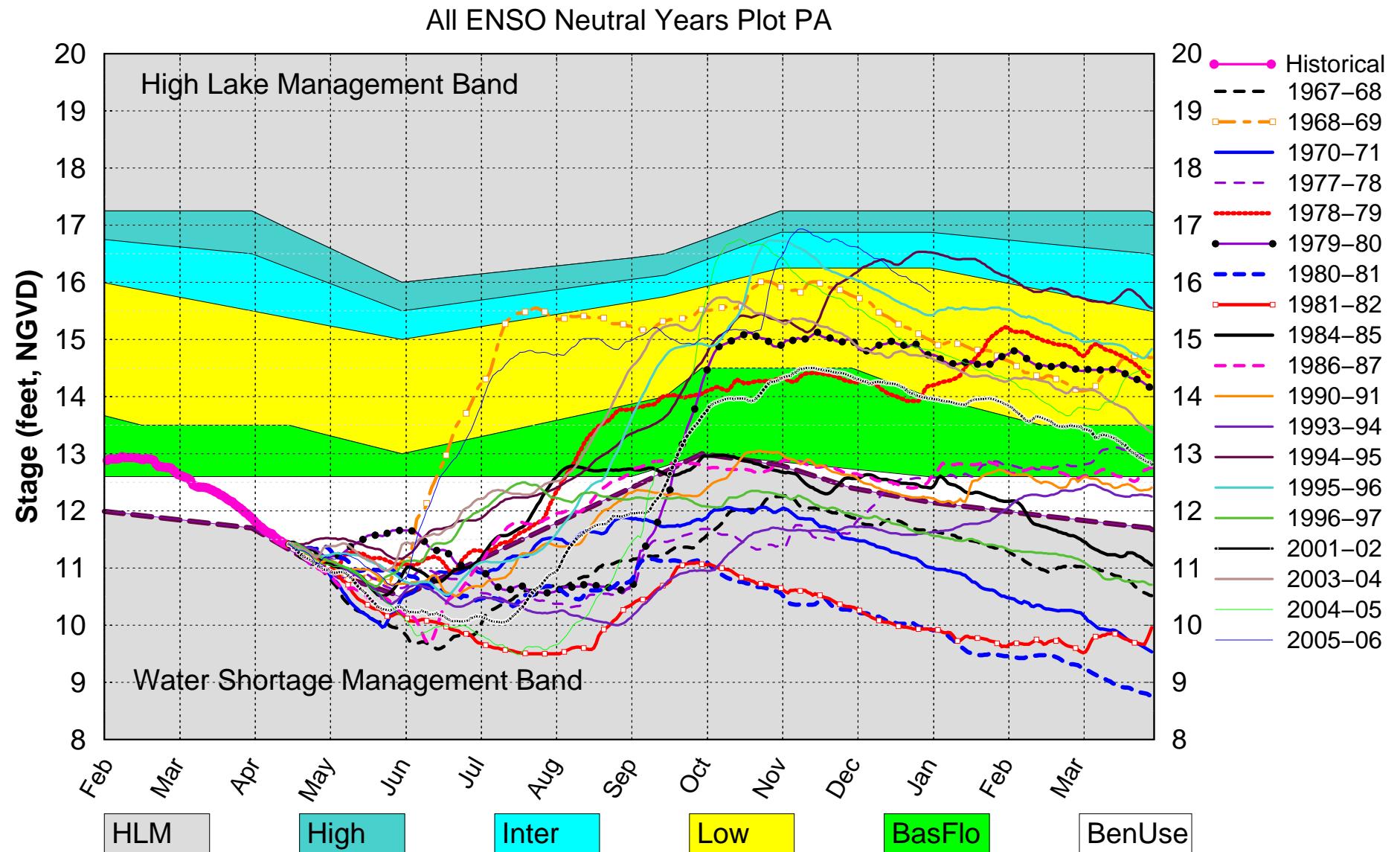
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Lake Okeechobee SFWMM Apr 2020 Mid-Month Position Analysis



(See assumptions on the Position Analysis Results website)

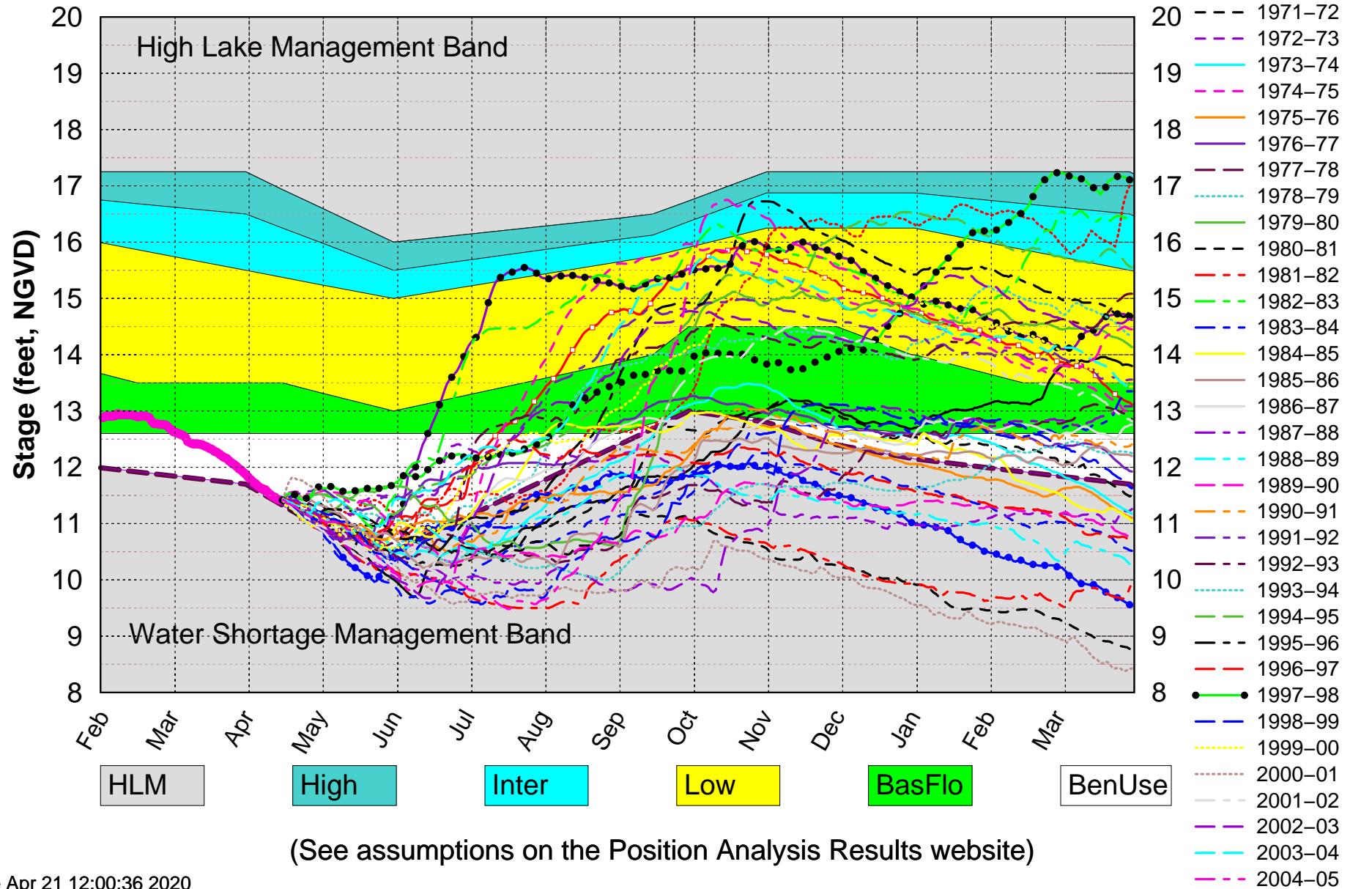
Lake Okeechobee SFWMM Apr 2020 Mid-Month Position Analysis



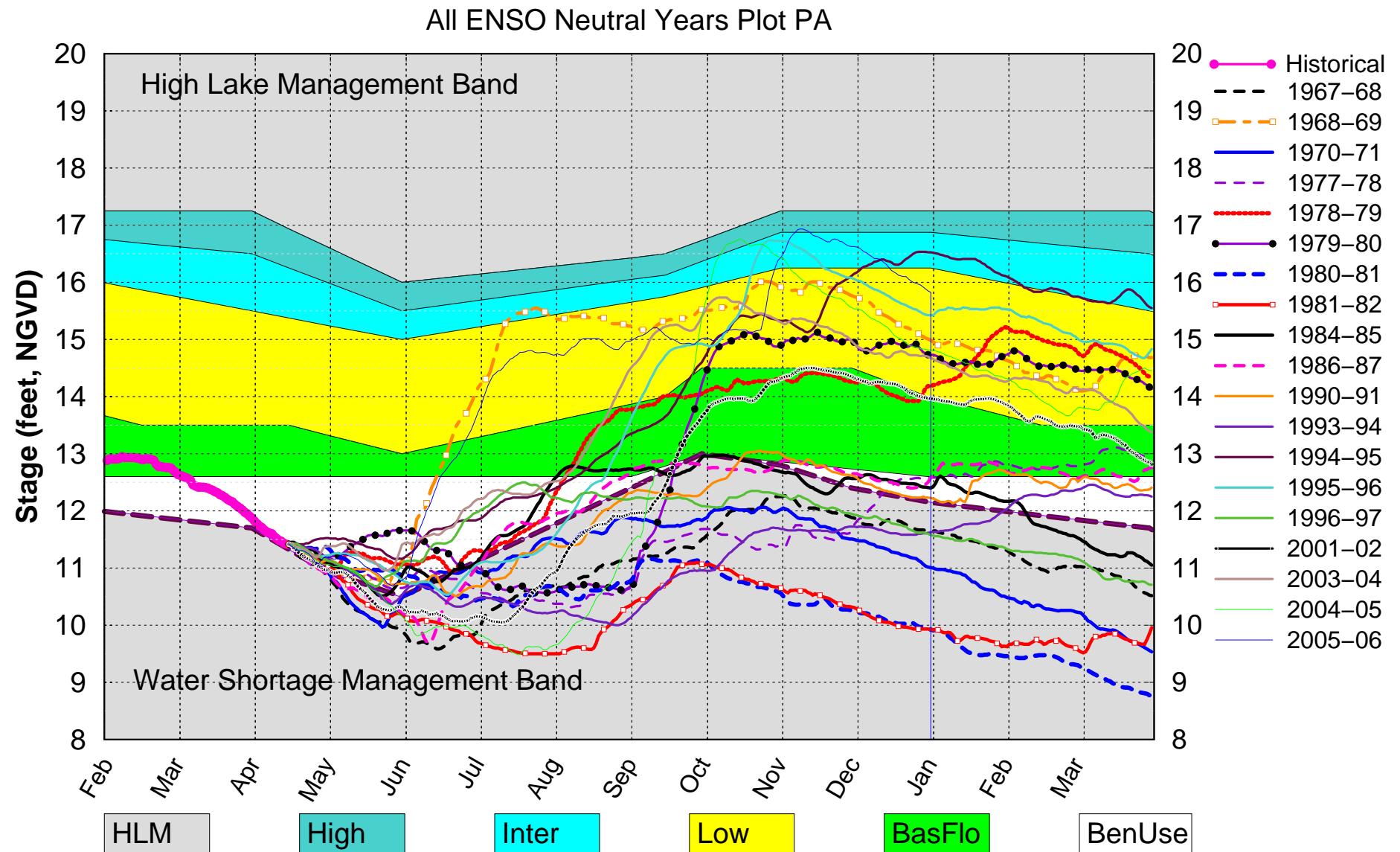
(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM Apr 2020 Mid-Month Position Analysis

All Simulated Years Plot PA



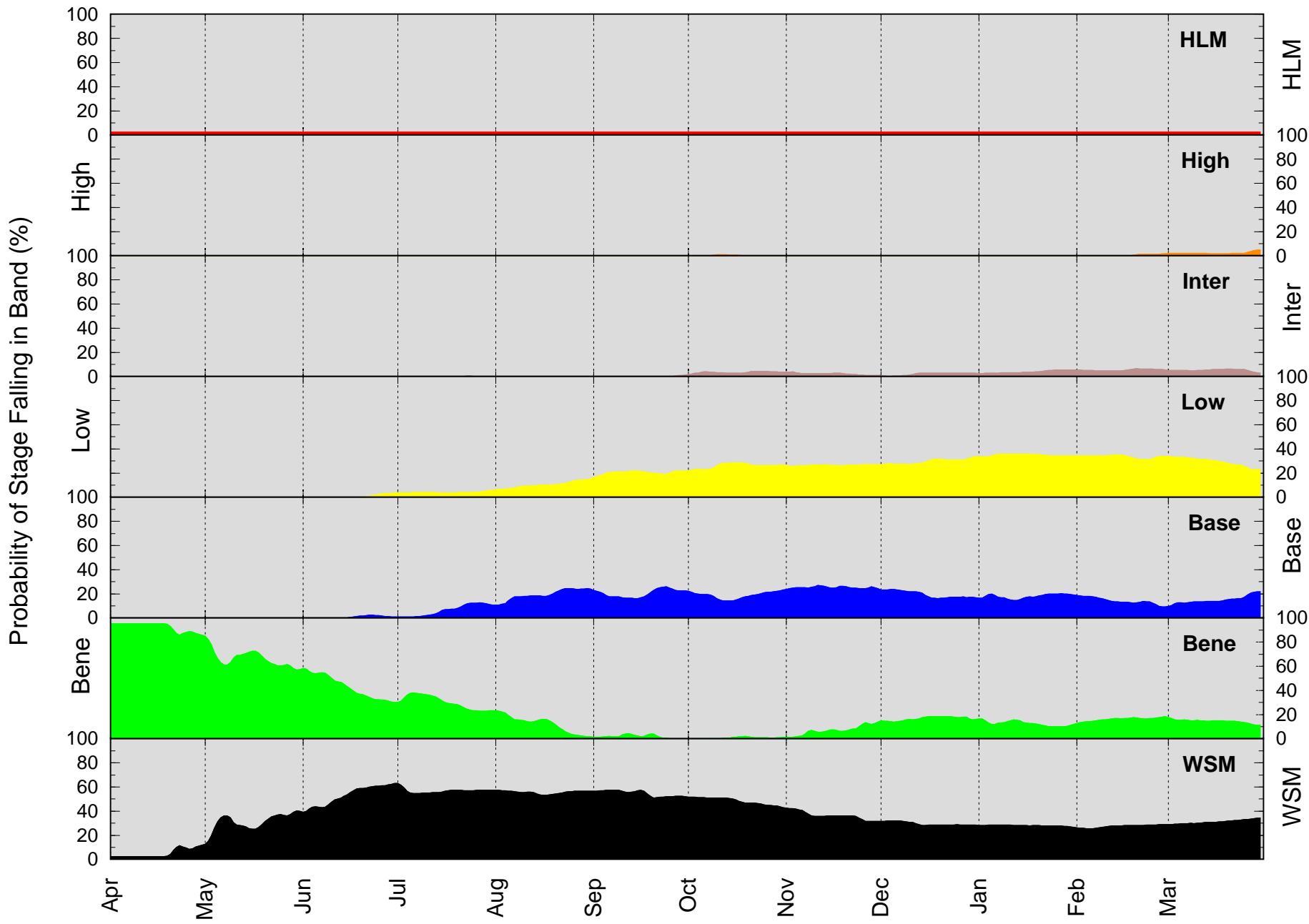
Lake Okeechobee SFWMM Apr 2020 Mid-Month Position Analysis



(See assumptions on the Position Analysis Results website)

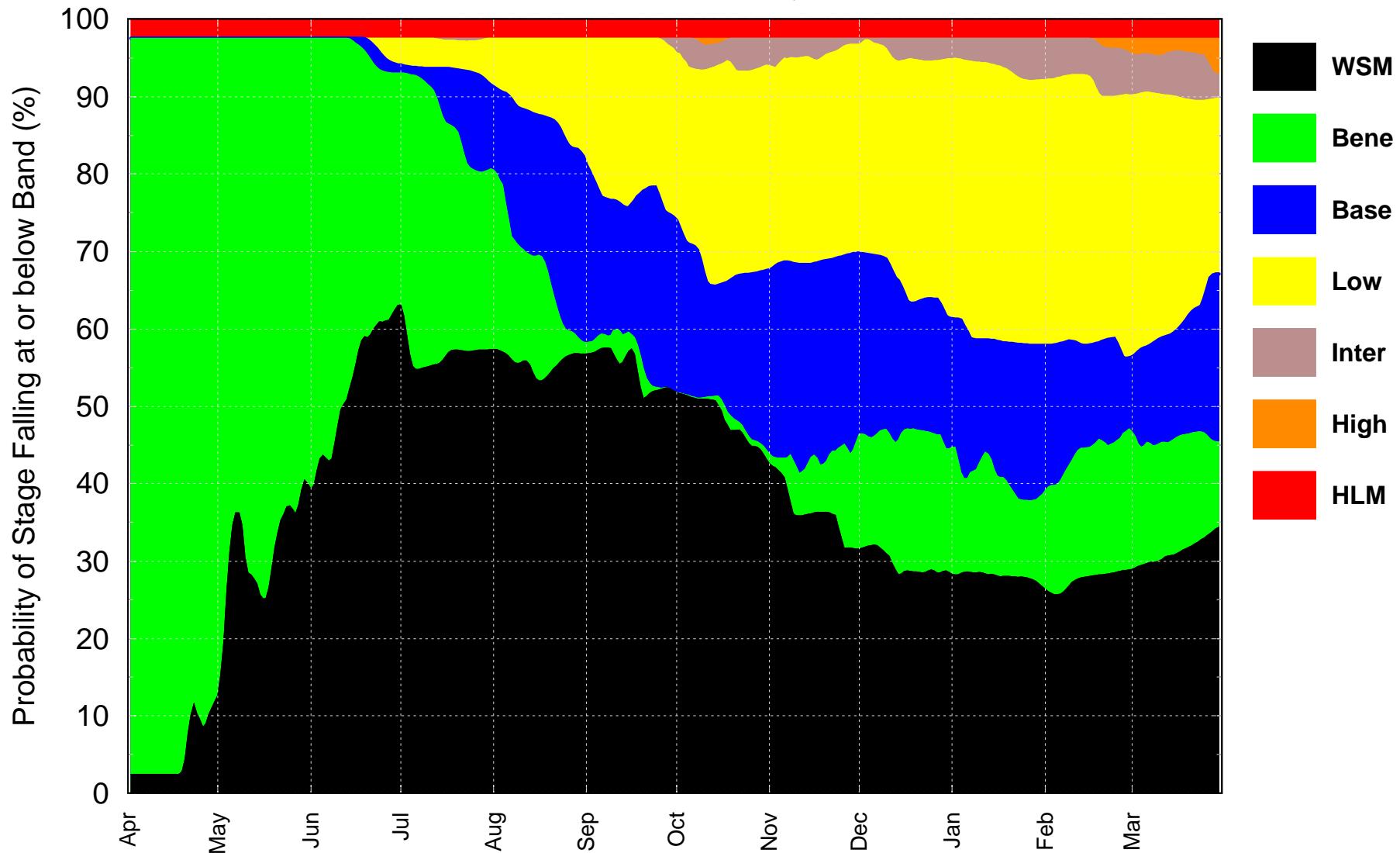
Lake Okeechobee – Band Probabilities

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



Lake Okeechobee – Probabilities for Operational Bands

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

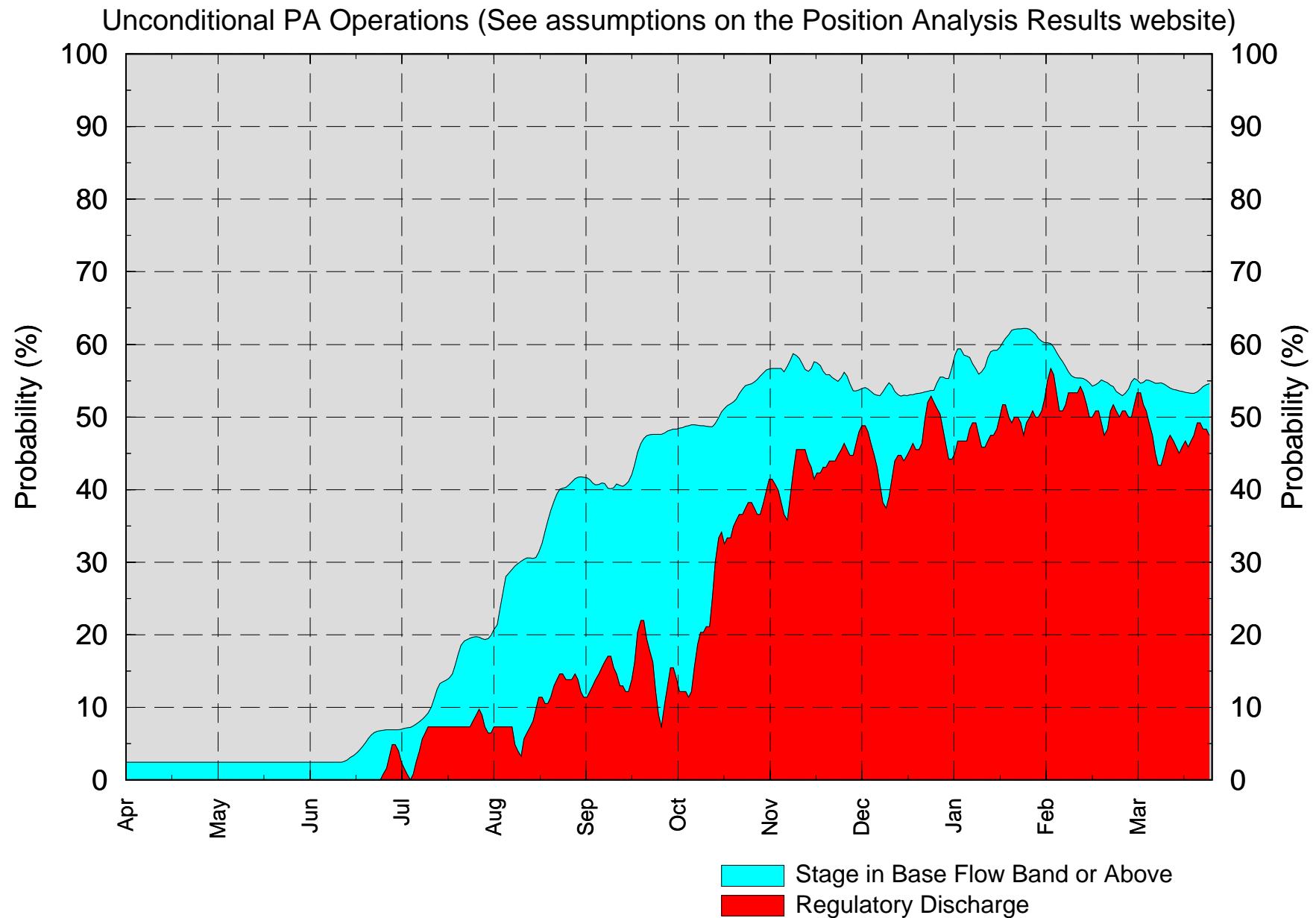


The width for each band gives the probability of stage falling in that band, as defined by the operational schedules.

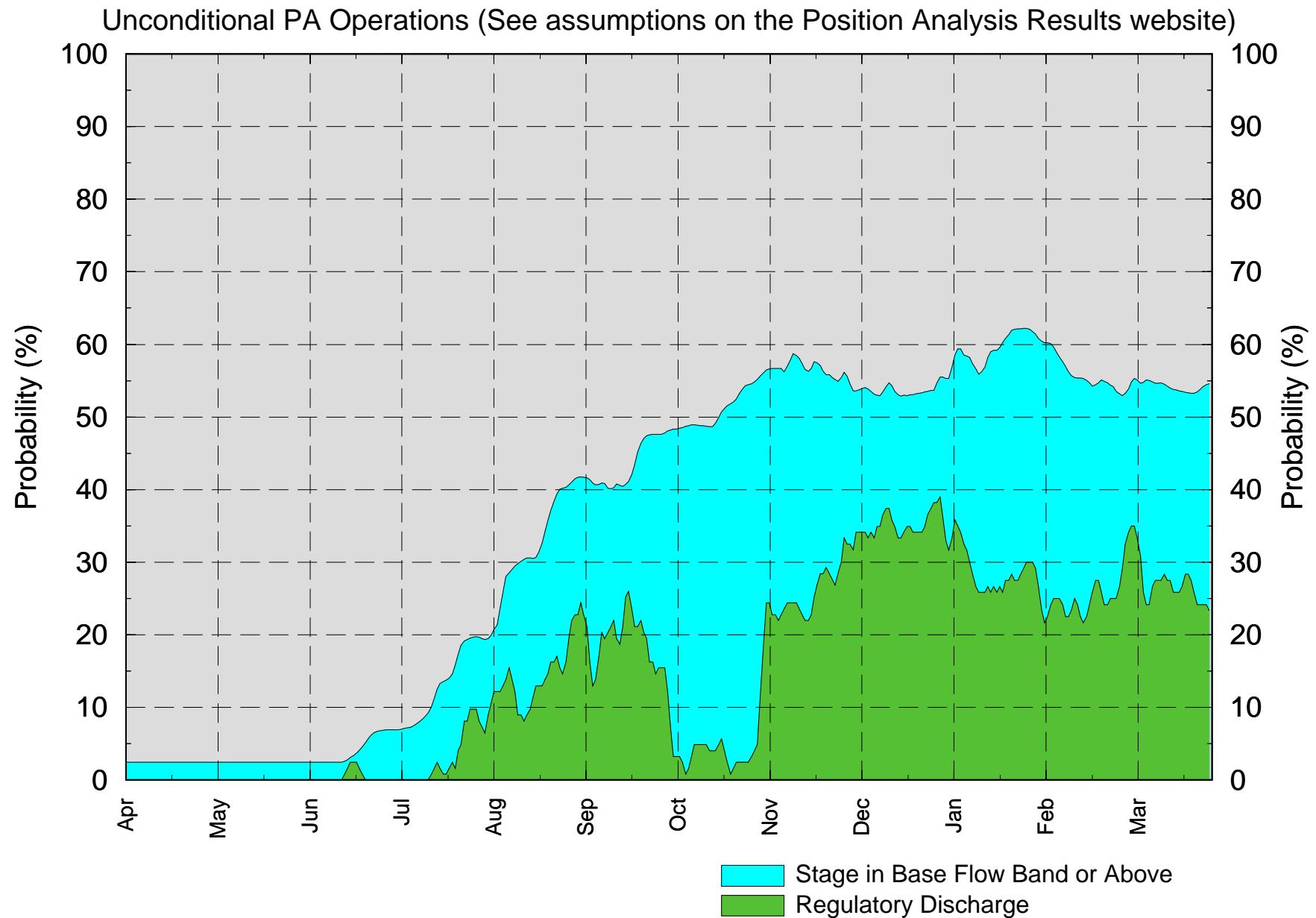
Lake Okeechobee Band Probabilities (%) at the Begining of Each Month
 '(See assumptions on the Position Analysis Results website)'
 Initial Stage 11.86 ft. for 04/01/2020

Date	HLM	High	Inter	Low	Base	Bene	WSM
2020 04 01	2.4	0.0	0.0	0.0	0.0	95.1	2.4
2020 05 01	2.4	0.0	0.0	0.0	0.0	84.9	12.7
2020 06 01	2.4	0.0	0.0	0.0	0.0	58.2	39.3
2020 07 01	2.4	0.0	0.0	3.5	1.0	29.9	63.1
2020 08 01	2.4	0.0	0.0	6.3	10.7	23.2	57.4
2020 09 01	2.4	0.0	0.0	16.4	23.0	1.5	56.8
2020 10 01	2.4	0.0	1.9	21.7	22.2	-0.0	51.8
2020 11 01	2.4	-0.0	3.5	26.4	23.7	1.3	42.6
2020 12 01	2.4	-0.0	0.8	27.0	23.4	14.8	31.6
2021 01 01	2.4	-0.0	2.6	33.6	16.6	16.4	28.3
2021 02 01	2.4	-0.0	5.4	34.4	18.7	12.8	26.4
2021 03 01	2.4	1.8	5.5	34.0	9.2	18.2	28.9

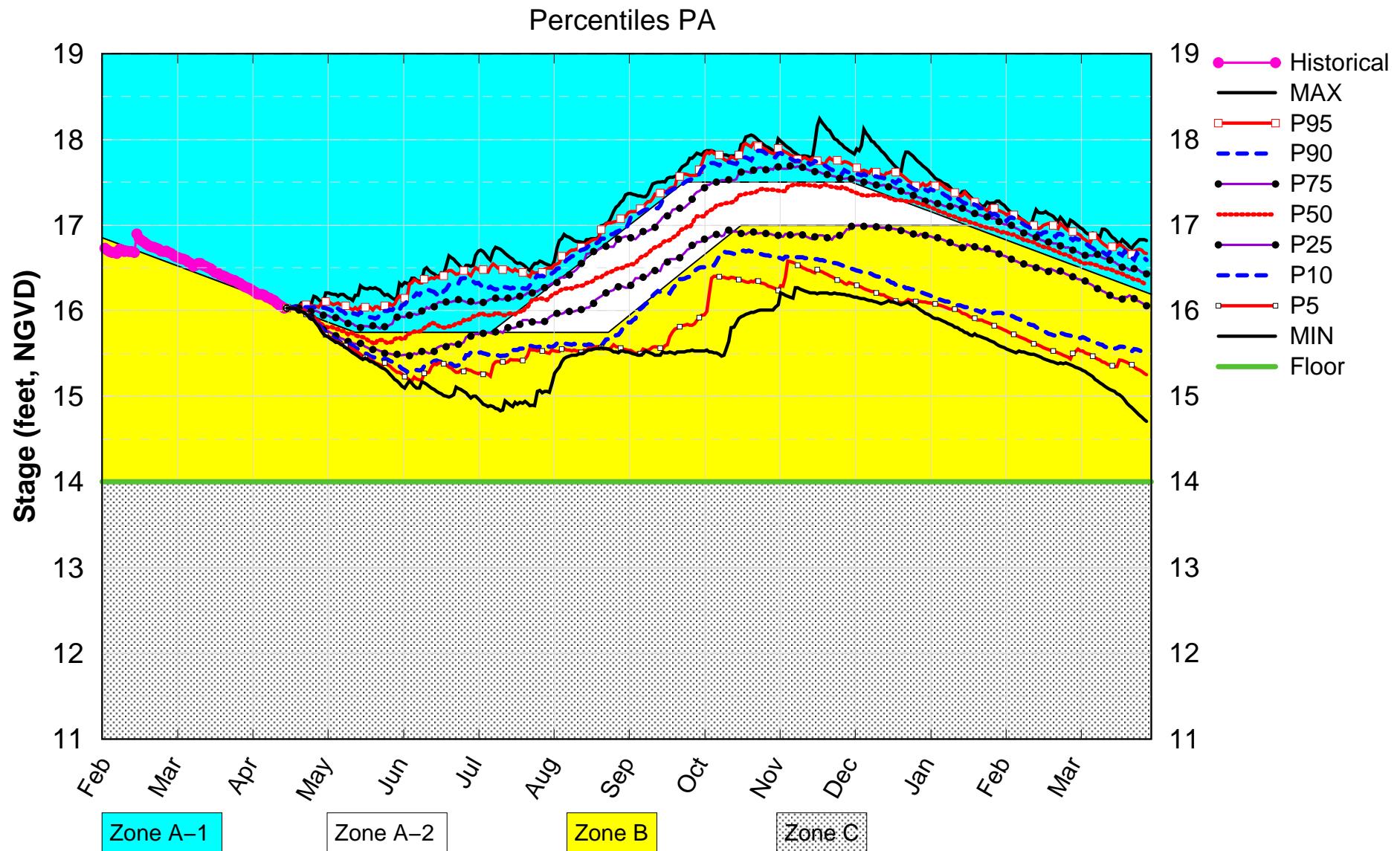
Lake Okeechobee – LORS2008 Releases to the Estuaries



Lake Okeechobee – LORS2008 Releases to the WCA's

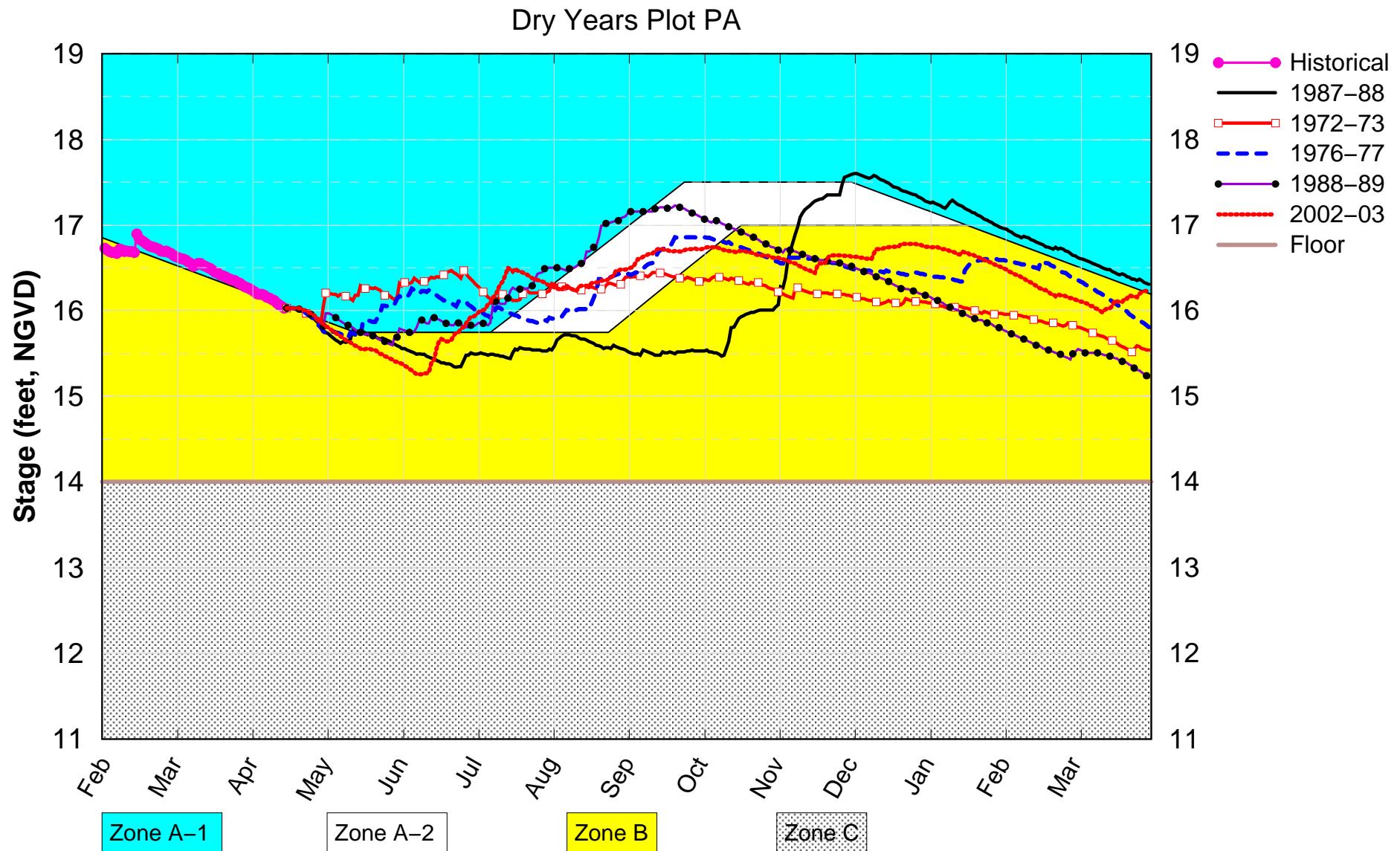


WCA1 SFWMM Apr 2020 Mid-Month Position Analysis



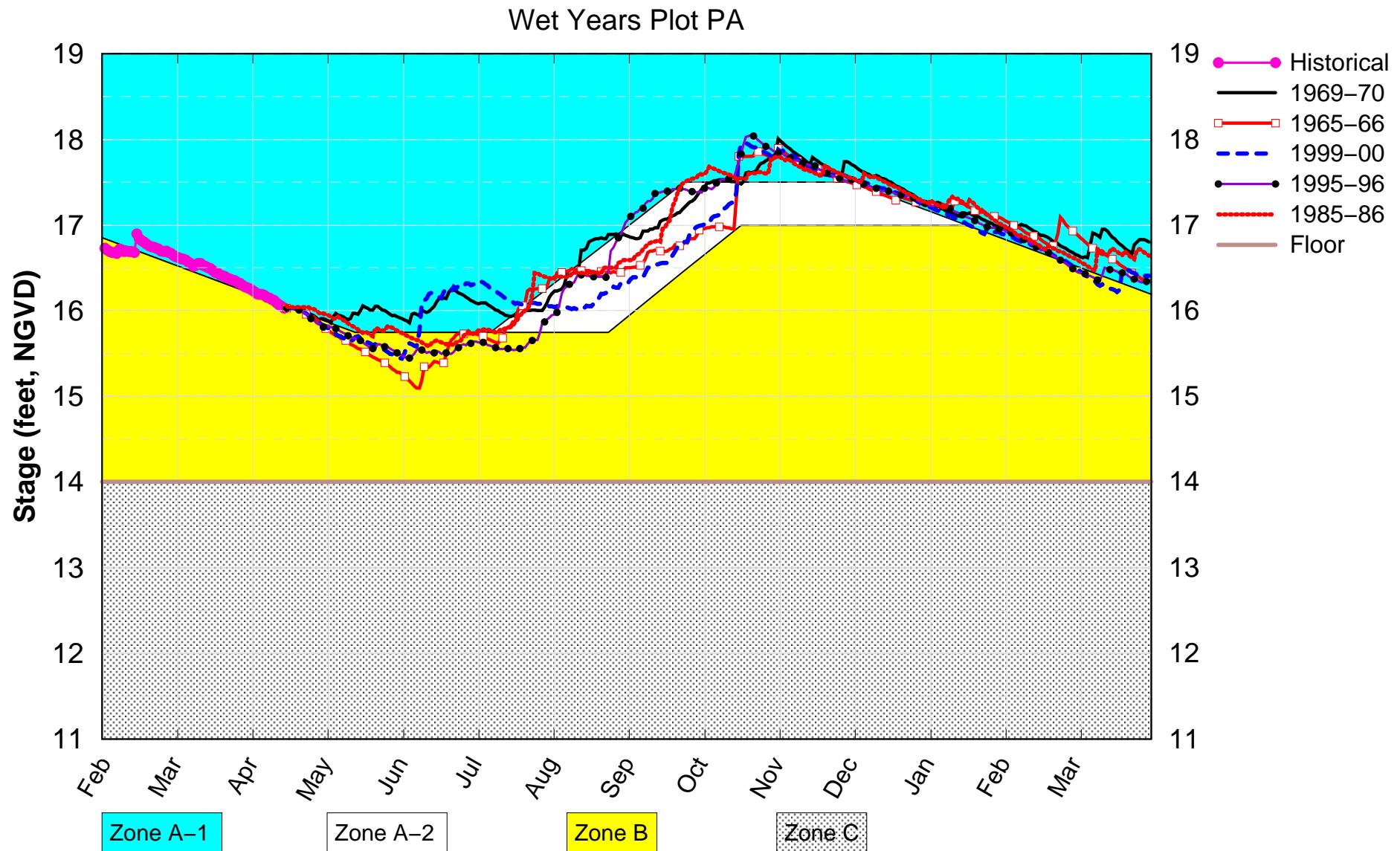
(See assumptions on the Position Analysis Results website)

WCA1 SFWMM Apr 2020 Mid-Month Position Analysis



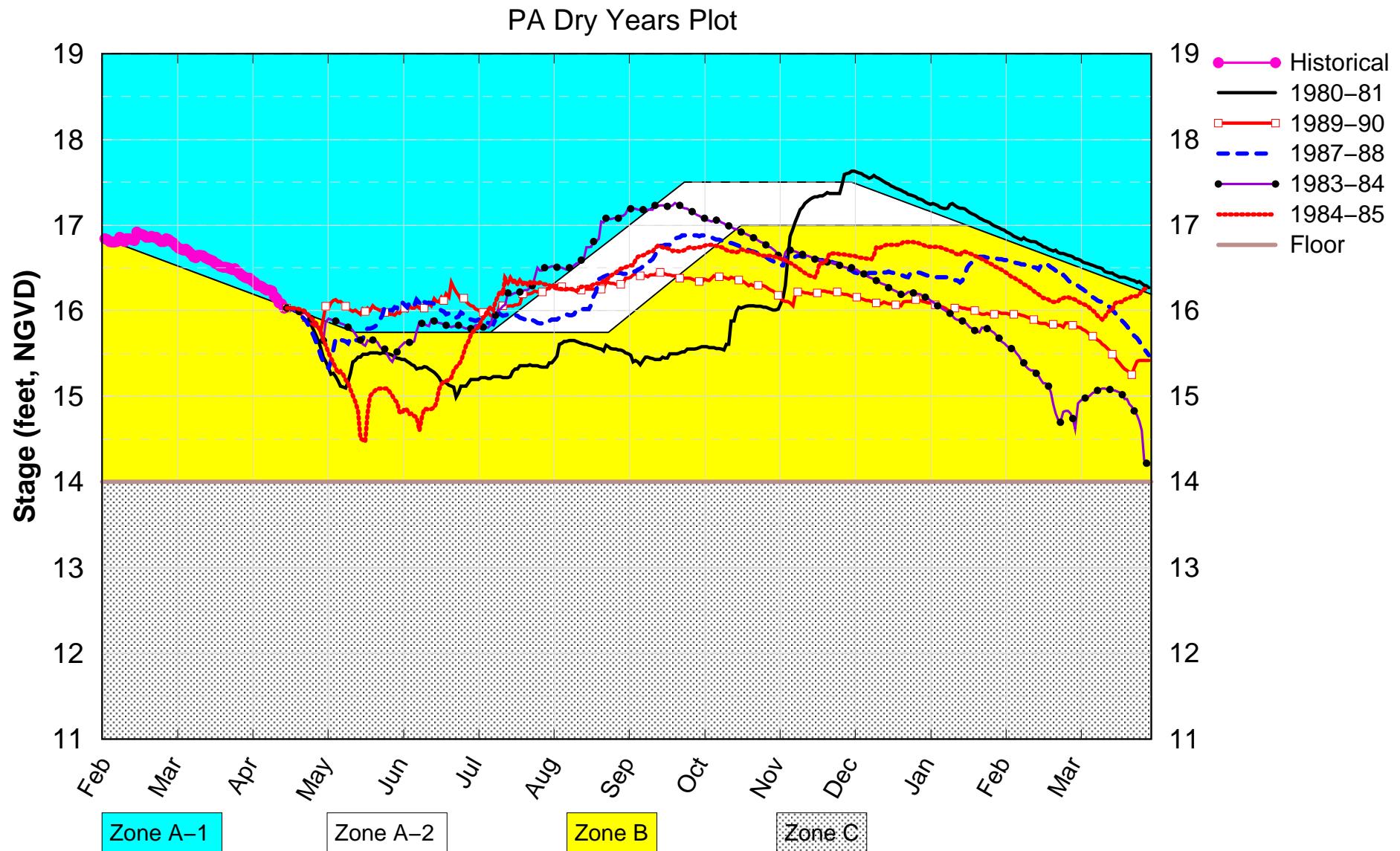
(See assumptions on the Position Analysis Results website)

WCA1 SFWMM Apr 2020 Mid-Month Position Analysis



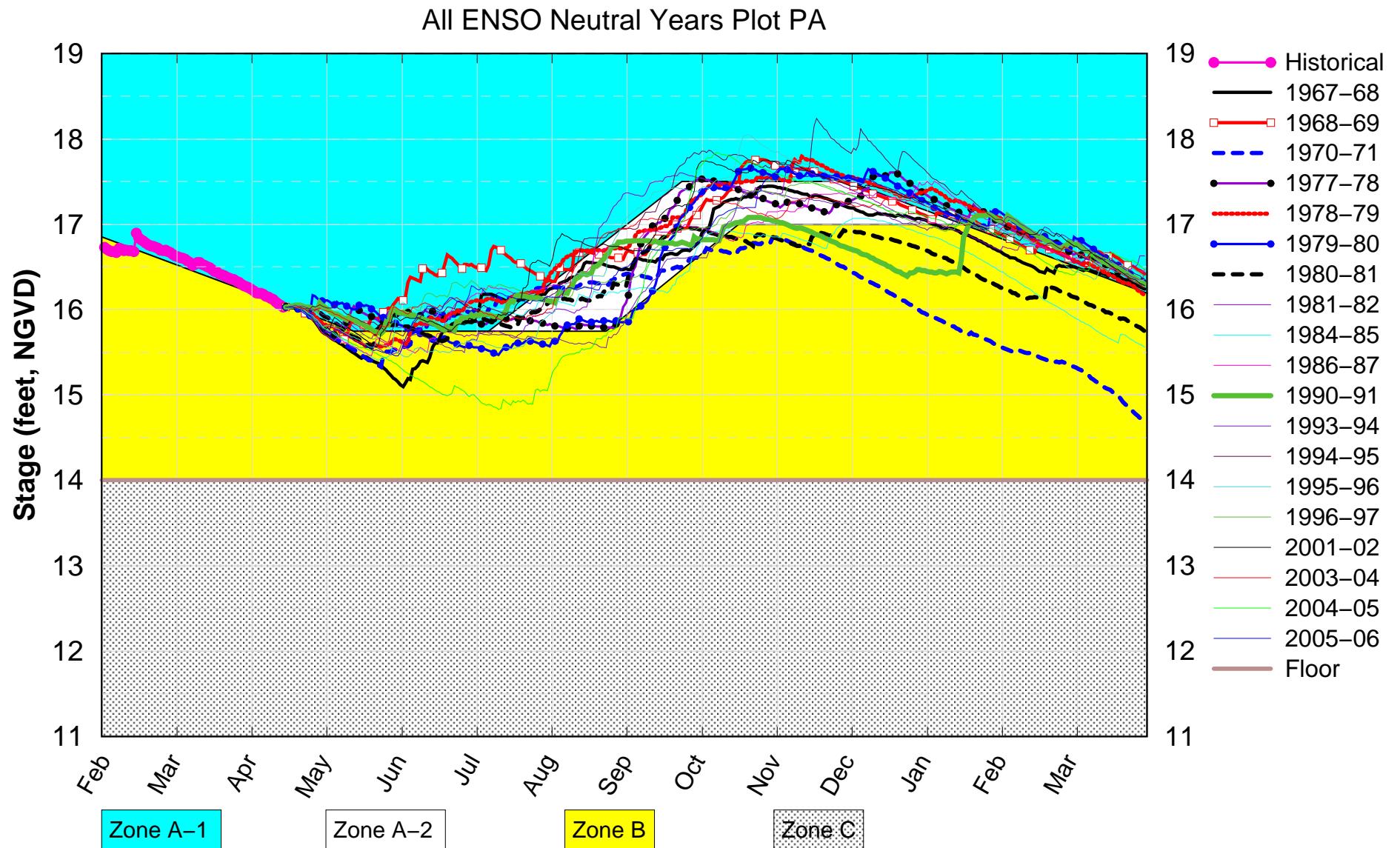
(See assumptions on the Position Analysis Results website)

CA1 Canal SFWMM Apr 2020 Mid-Month Position Analysis



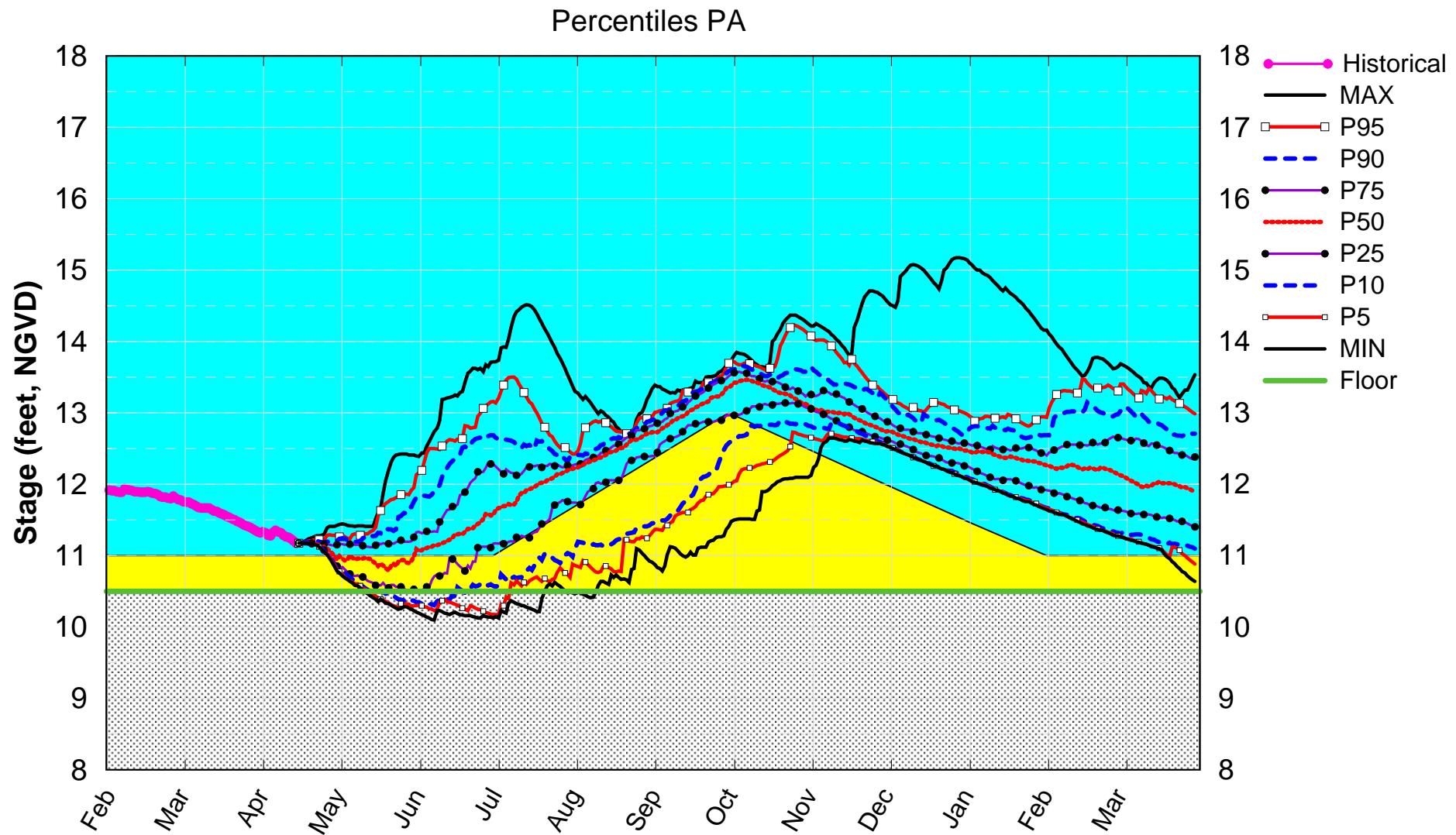
(See assumptions on the Position Analysis Results website)

WCA1 SFWMM Apr 2020 Mid-Month Position Analysis



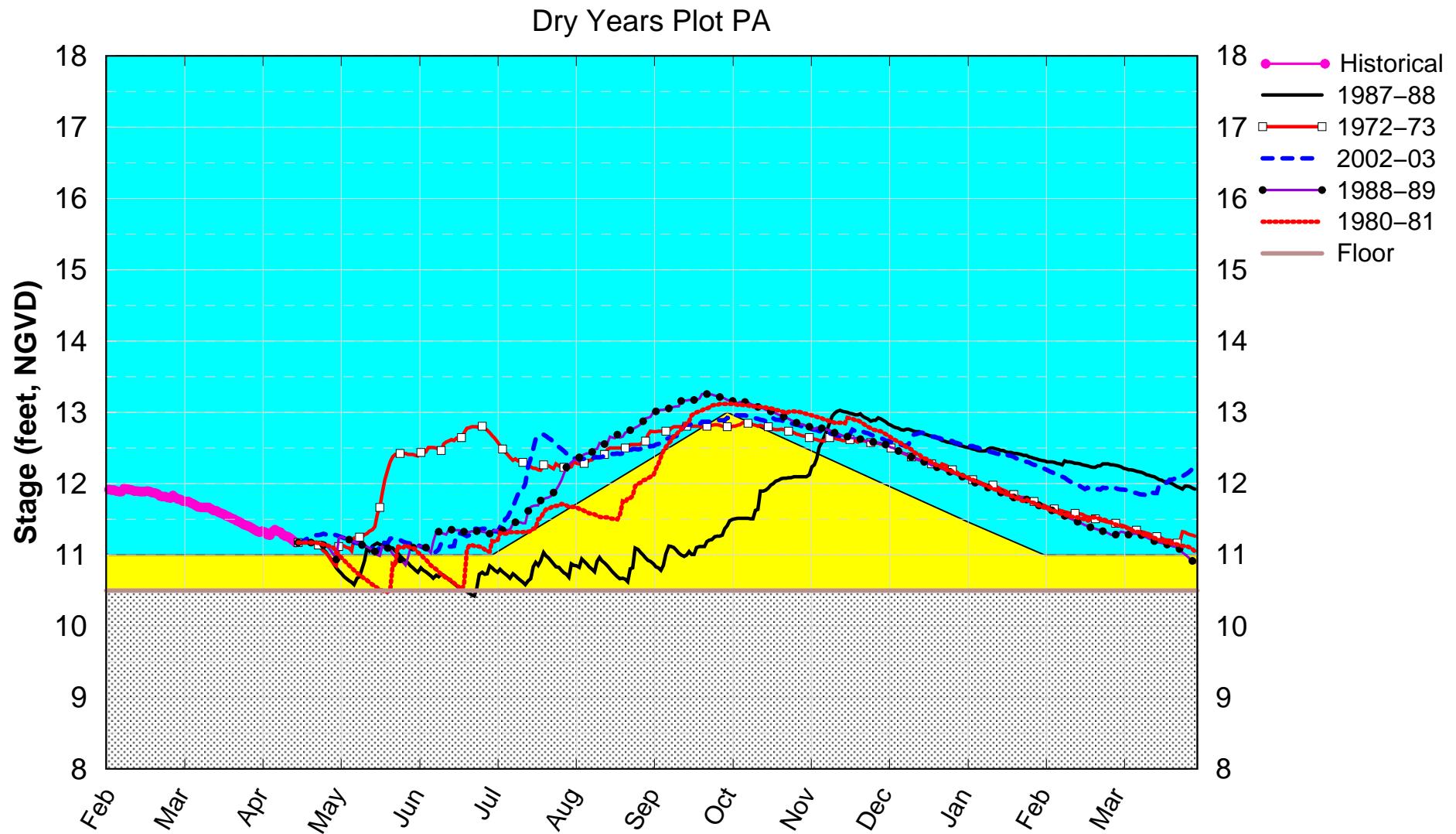
(See assumptions on the Position Analysis Results website)

WCA2A SFWMM Apr 2020 Mid-Month Position Analysis



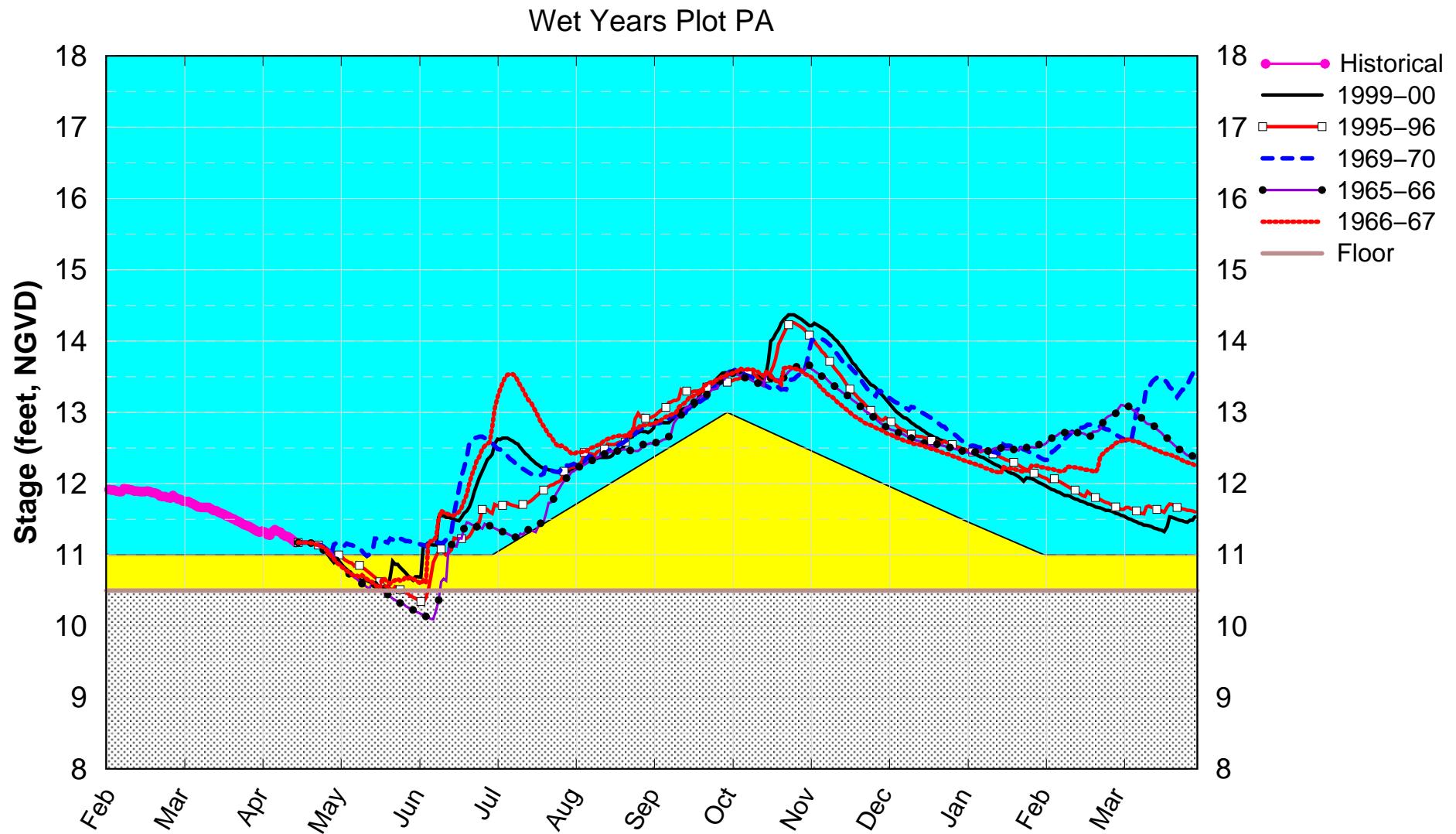
(See assumptions on the Position Analysis Results website)

WCA2A SFWMM Apr 2020 Mid-Month Position Analysis



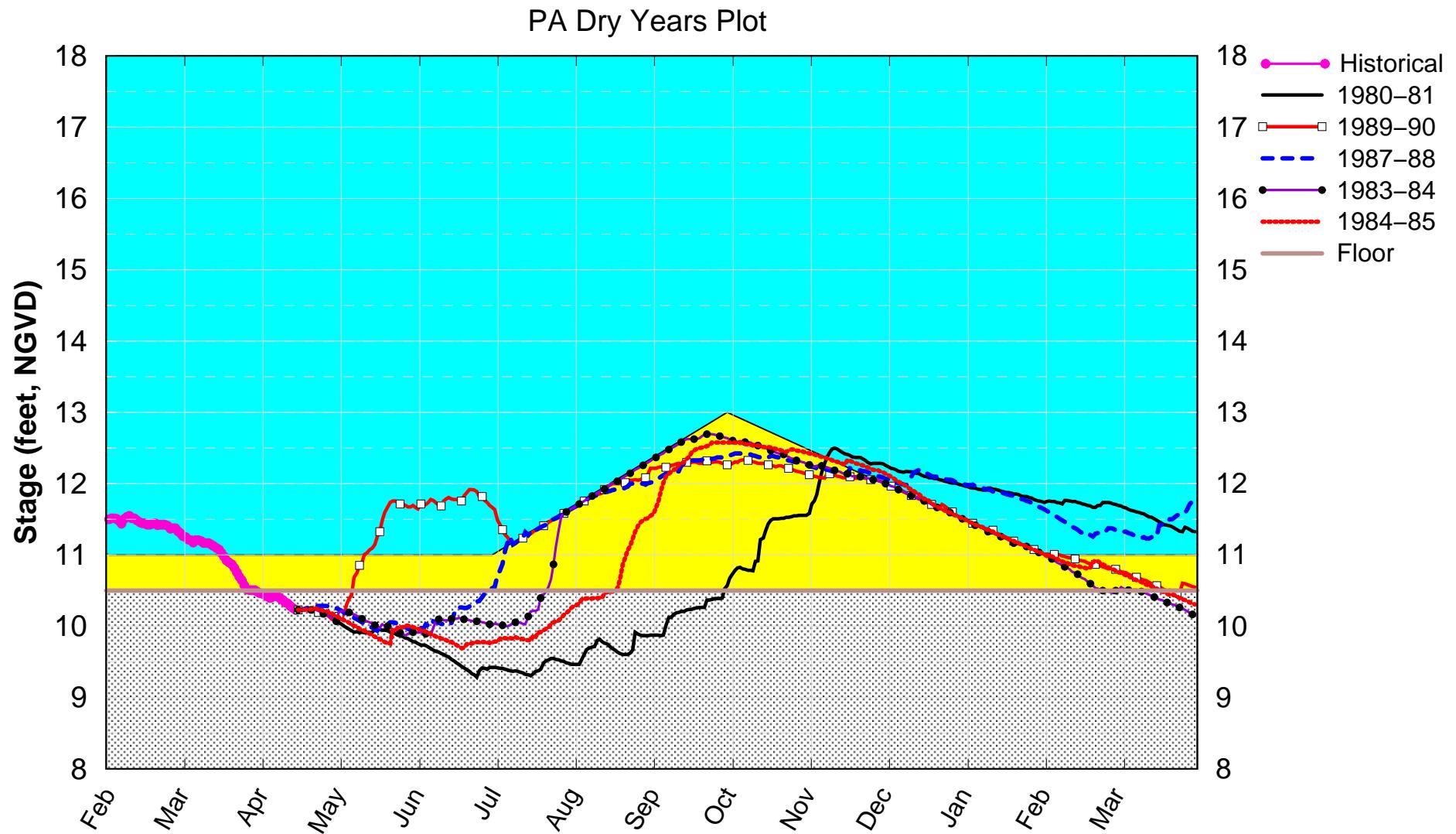
(See assumptions on the Position Analysis Results website)

WCA2A SFWMM Apr 2020 Mid-Month Position Analysis



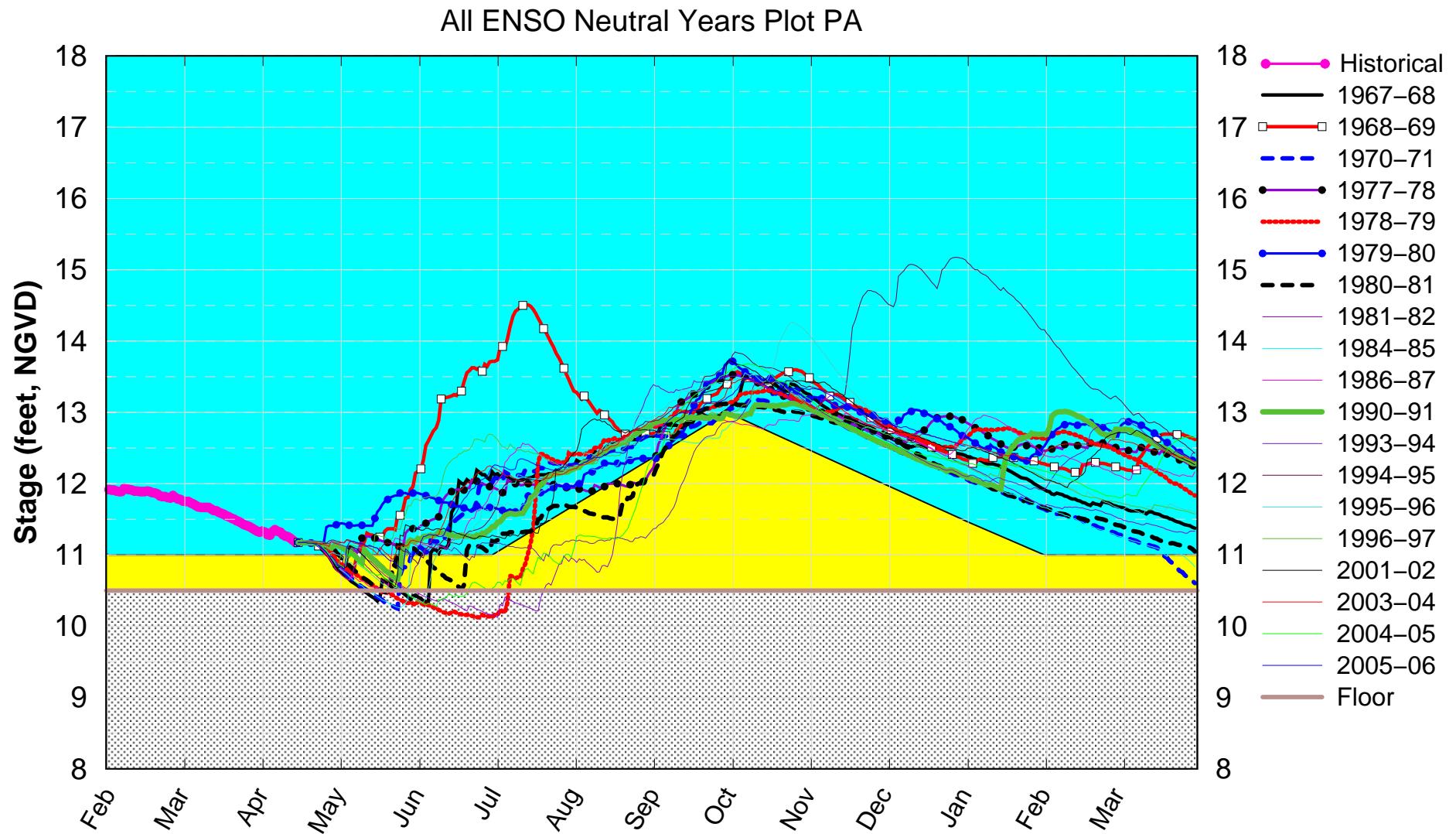
(See assumptions on the Position Analysis Results website)

L38 Canal SFWMM Apr 2020 Mid-Month Position Analysis



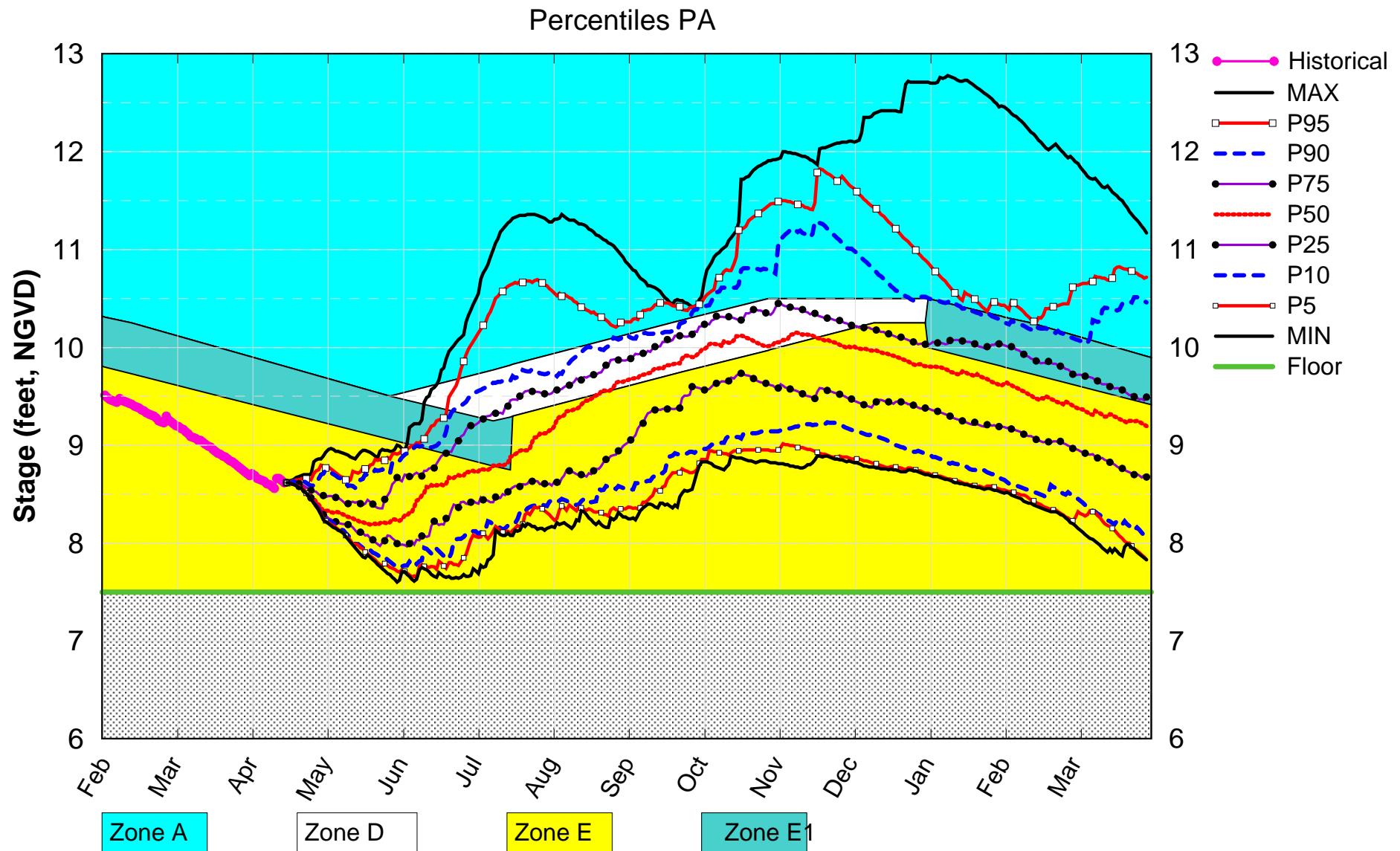
(See assumptions on the Position Analysis Results website)

WCA2A SFWMM Apr 2020 Mid-Month Position Analysis



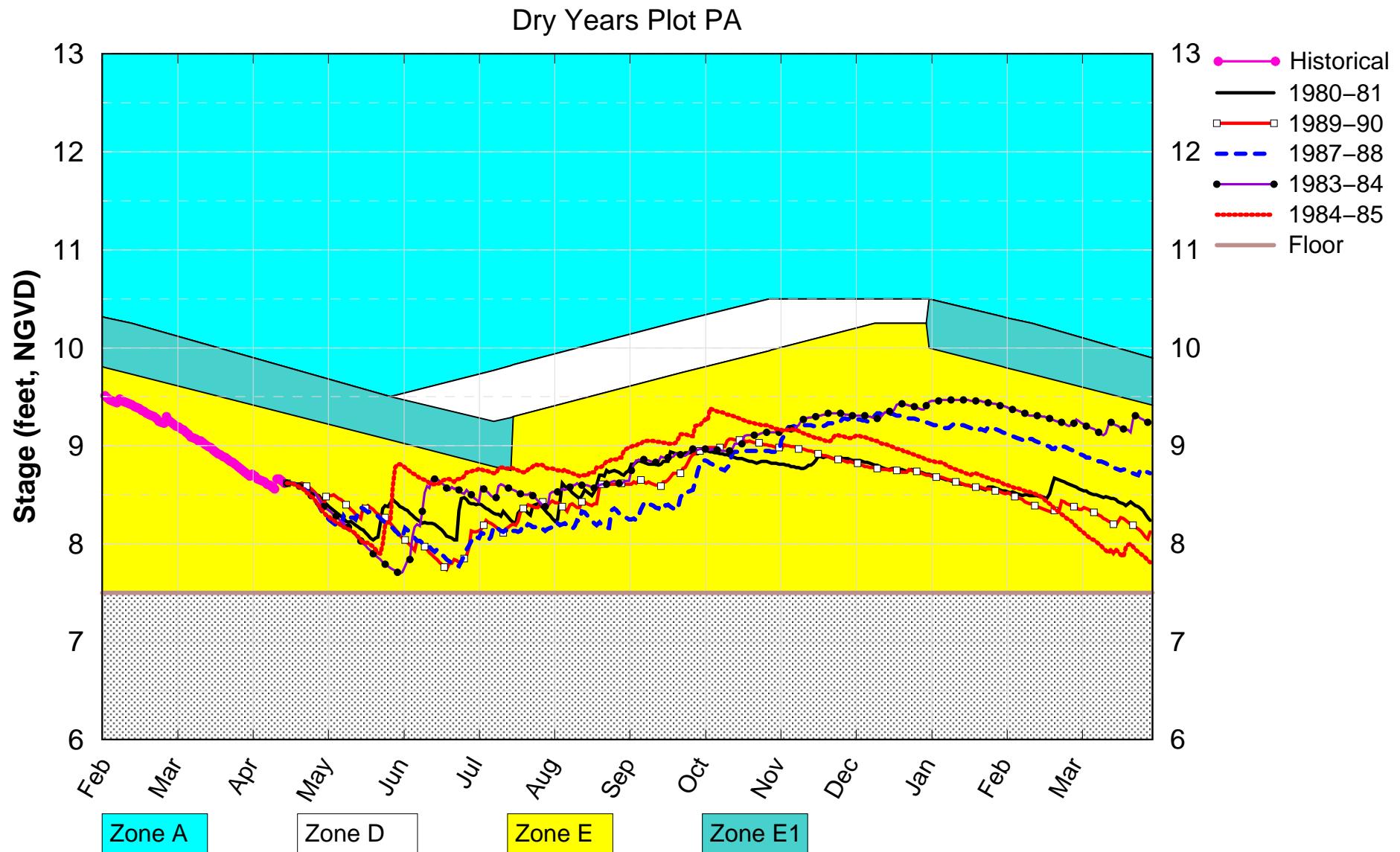
(See assumptions on the Position Analysis Results website)

WCA3A SFWMM Apr 2020 Mid-Month Position Analysis



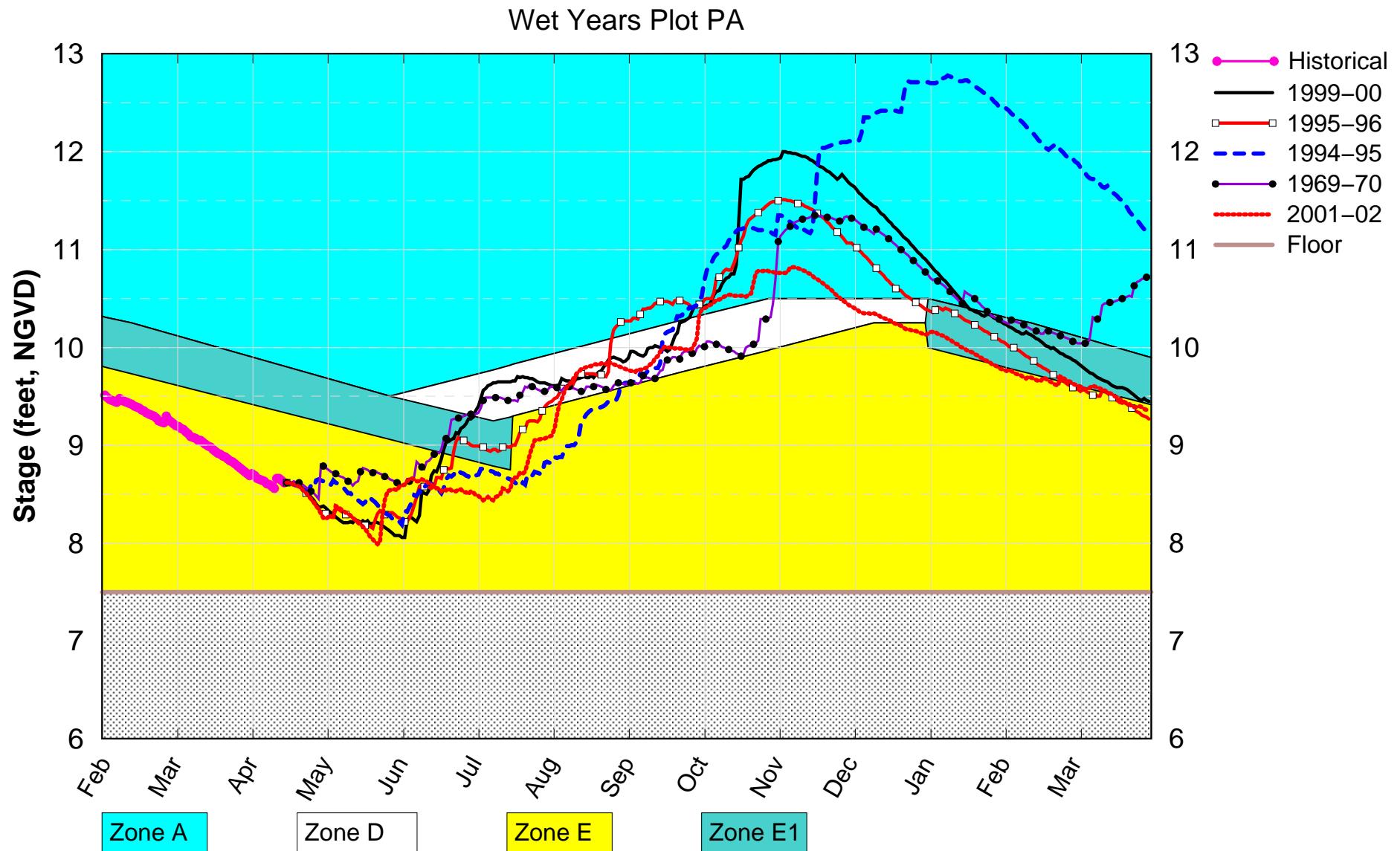
(See assumptions on the Position Analysis Results website)

WCA3A SFWMM Apr 2020 Mid-Month Position Analysis



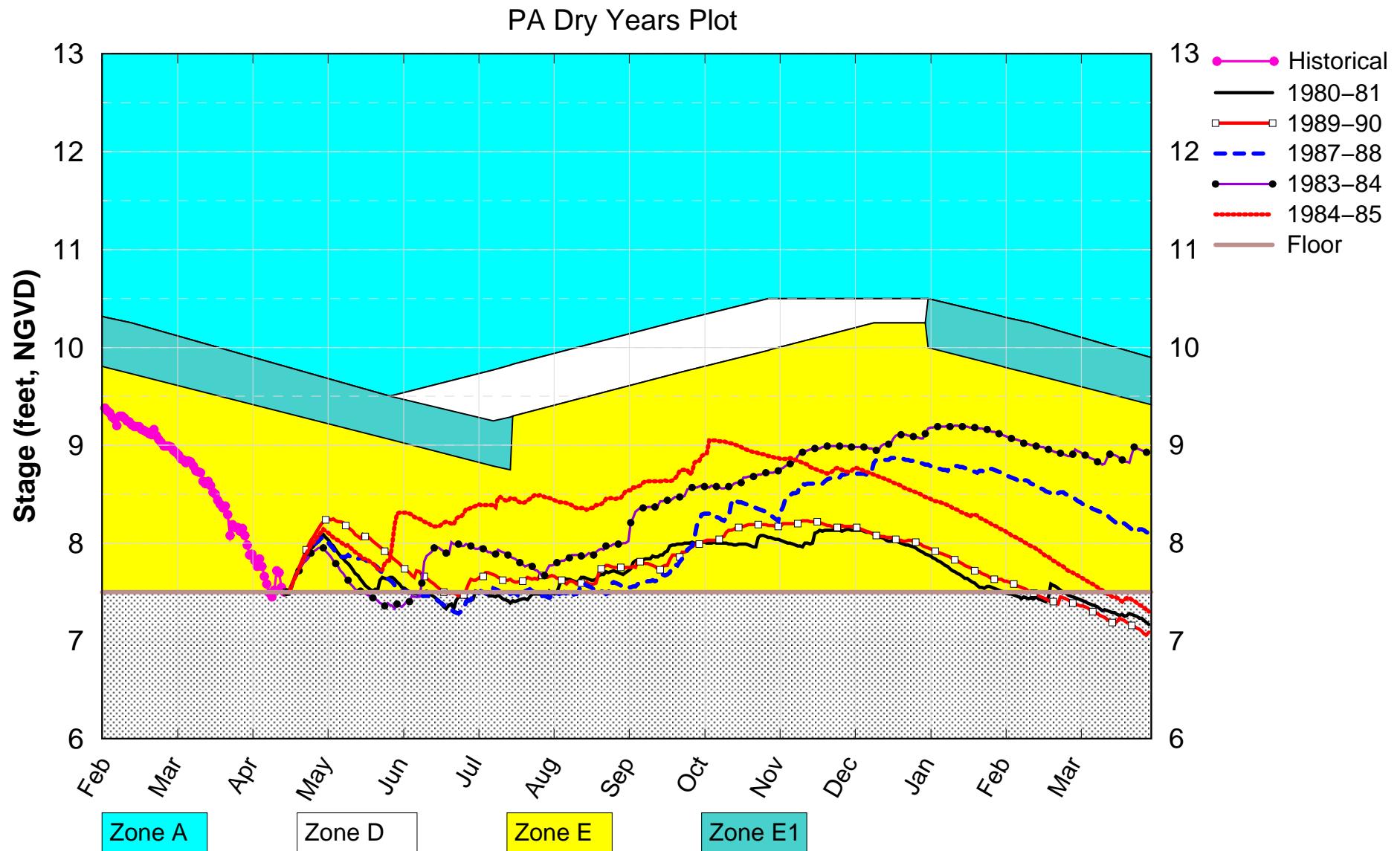
(See assumptions on the Position Analysis Results website)

WCA3A SFWMM Apr 2020 Mid-Month Position Analysis



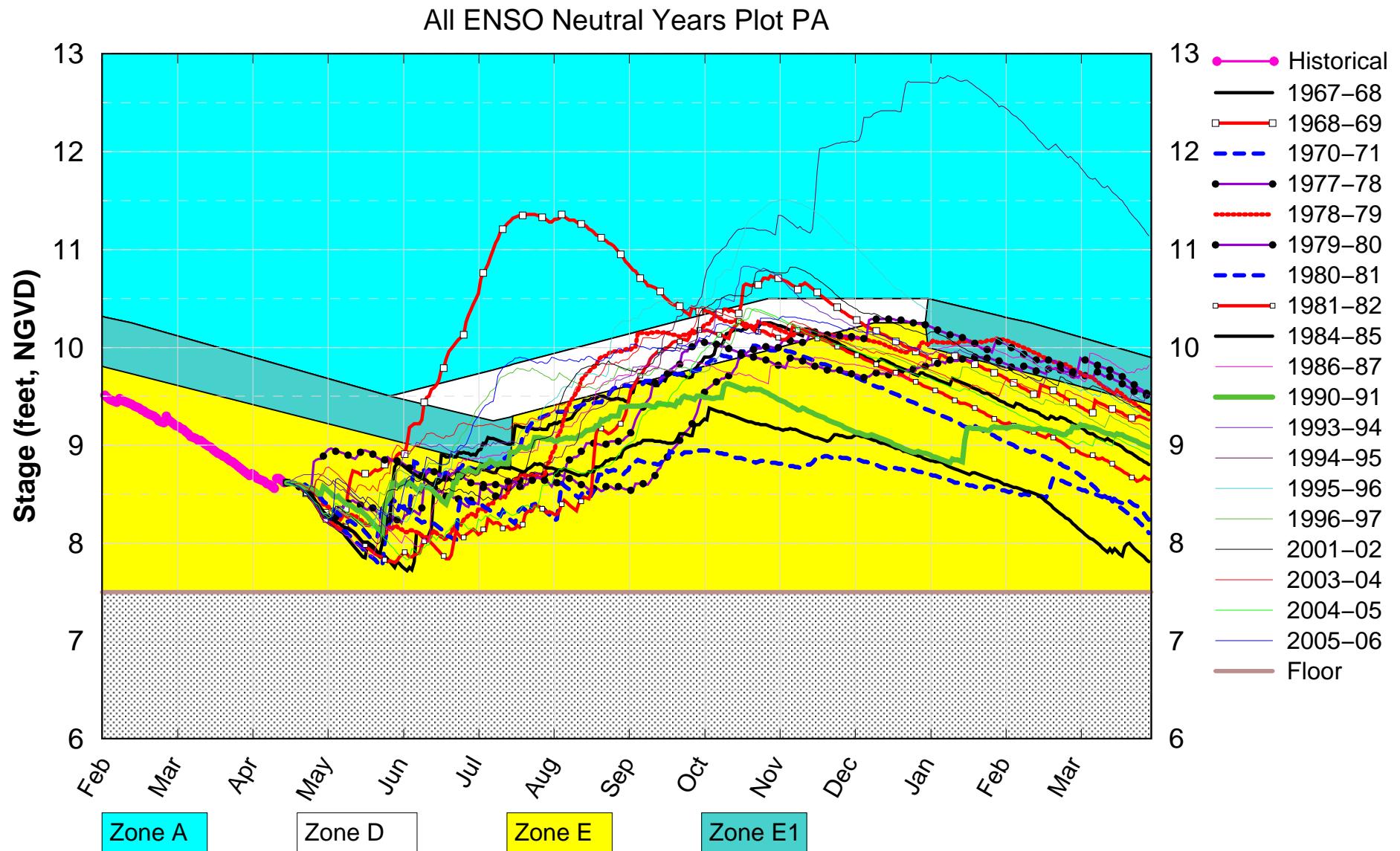
(See assumptions on the Position Analysis Results website)

CA3 Canal SFWMM Apr 2020 Mid-Month Position Analysis



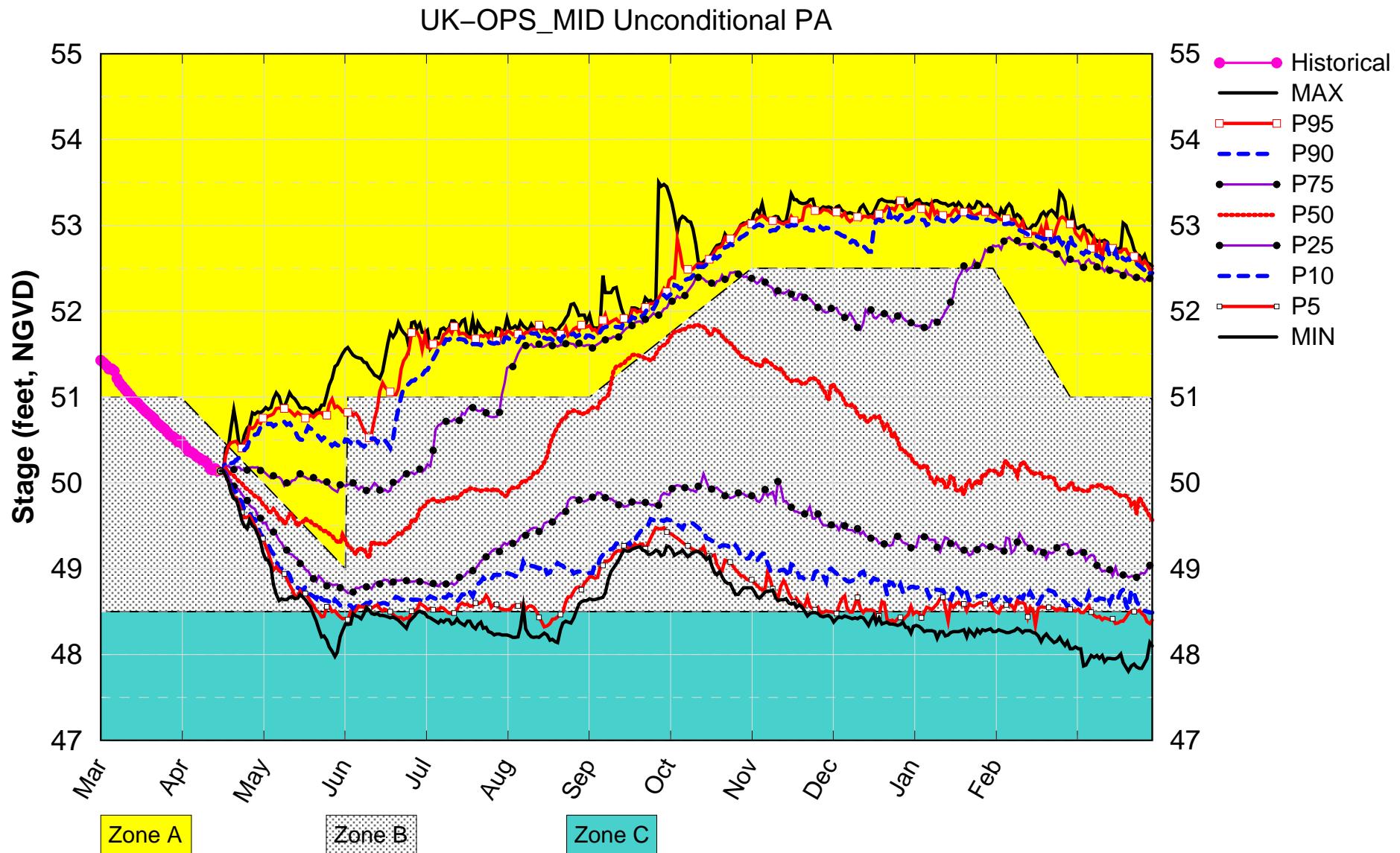
(See assumptions on the Position Analysis Results website)

WCA3A SFWMM Apr 2020 Mid-Month Position Analysis



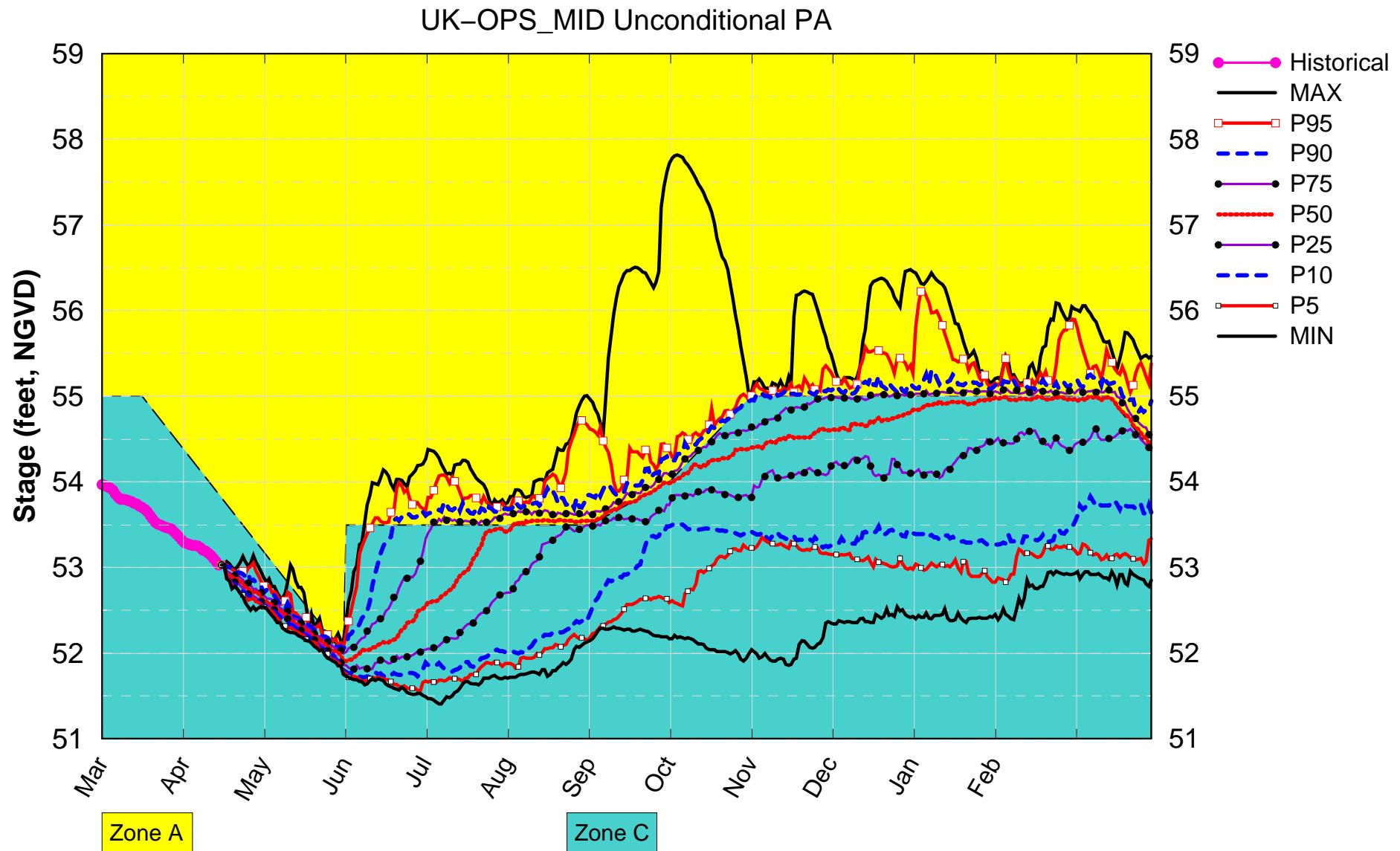
(See assumptions on the Position Analysis Results website)

S65 UK-OPS Apr 15 2020 Position Analysis



(See assumptions on the Position Analysis Results website)

S61 UK-OPS Apr 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	: 12.90
WPB	:C-17	:C17	:S44-H	: 6.78
WPB	:C-51W	:C51W	:S5AE-T	: 12.00
WPB	:C-51	:C51	:S155-H	: 7.26
WCA	:WCA-1 L-40	:CA1	:1-8C	: 16.03
FTLD	:Hillsboro Canal	:HLSB	:G56-H	: 7.24
WCA	:WCA-2A L-38	:L38	:S11B-H	: 10.23
WCA	:WCA-2A L-39	:CA2A	:S10A-T	: 12.36
FTLD	:C-14	:C14	:S37B-H	: 5.54
FTLD	:C-14E	:C14E	:S37A-H	: 3.33
FTLD	:Pompano	:POMP	:G57-H	: 4.50
FTLD	:C-12	:C12	:S33-H	: 2.62
FTLD	:C-13	:C13	:S36-H	: 4.24
FTLD	:North New River Canal	:NNRC	:G54-H	: 3.61
MIAMI	:L-33	:L33	:S30-H	: 4.80
MIAMI	:C-304	:C304	:S31-H	: 7.08
MIAMI	:C-9	:C9	:S29-H	: 2.01
MIAMI	:C-9 DEN	:C9DEN	:S29-H	: 2.01
MIAMI	:C-8	:C8	:S28-H	: 1.93
MIAMI	:C-7	:C7	:S27-H	: 1.96
MIAMI	:C-6	:C6	:S26-H	: 2.67
MIAMI	:C-2/C-4	:C4	:S25B-H	: 2.77
MIAMI	:L-30	:L30	:S335-H	: 6.08
WCA	:WCA-3A L-29	:CA3	:S333-H	: 7.50
WCA	:S-12A	:S12AD	:S12A-T	: 7.49
WCA	:S-12B	:S12BD	:S12B-T	: 7.37
WCA	:S-12C	:S12CD	:S12C-T	: 7.38
WCA	:S-12D	:S12DD	:S12D-T	: 6.64
MIAMI	:L-29	:L29	:S334-H	: 6.28
MIAMI	:C-100C	:C100C	:S119-H	: 2.40
MIAMI	:C-100	:C100	:S118-H	: 2.43
MIAMI	:C-100A	:C100A	:S123-H	: 2.30
HMST	:C-1/S-148	:S148U	:S148-H	: 2.94
HMST	:L-31N	:L31N	:S331-H	: 4.32
HMST	:C-1N	:C1N	:S149-H	: 2.33
MIAMI	:S-21	:S21	:S21-H	: 1.98
HMST	:L-31S	:L31S	:S176-H	: 3.38
MIAMI	:C-102N	:C102N	:S21A-H	: 1.37
HMST	:C-102	:C102	:S165-H	: 3.12
MIAMI	:C-103S	:C103S	:S167-H	: 2.46
HMST	:C-103N	:C103N	:S166-H	: 2.14
HMST	:C-103	:S179	:S179-H	: 1.89
HMST	:L-31W	:L31W	:S332-H	: 3.35
HMST	:C-111	:C111	:S177-H	: 2.71
HMST	:CNO	:CNO	:S179-H	: 1.89
HMST	:C-111E	:C111E	:S18C-H	: 1.94
HMST	:S-197	:S197	:S197-H	: 1.60
EAA	:L-23E	:L23E	:S8-T	: 10.37
EAA	:C-60	:C60	:S140-T	: 9.56

SFWMM	Name	col	row	STAGE	Source	Data	match	domain	match	areas
1-7		31	48	16.08	USACE		PA	CA1		
1-8T		34	47	15.95	USACE		PA	CA1		
1-9		33	46	16.07	USACE		PA	CA1		
2-17		29	40	11.18	USACE		PA	CA2		
2-159		28	43	12.91	SFWMD-ARDAMS		PA	CA2		
3-99		30	35	8.91	USACE			CA2		
3A-2		18	36	10.06	USACE		PA	CA3		
3A-3		25	37	8.56	USACE		PA	CA3		
3A-28		19	24	8.48	USACE		PA	CA3		
3A-4		21	29	8.83	USACE		PA	CA3		
3A-NW		18	40	10.79	SFWMD-ARDAMS			CA3		
3A-NE		23	40	9.11	SFWMD-ARDAMS			CA3		
3A-SW		16	30	8.36	SFWMD-ARDAMS			CA3		
3A-S		20	33	8.76	SFWMD-ARDAMS			CA3		
3-76		27	30	7.20	USACE					
3-71		24	26	7.24	USACE					
SHARK		24	23	6.52	USACE			CA3		
3BS1W		26	23	5.42	SFWMD-ARDAMS					
HOLY1		19	45	11.17	SFWMD-ARDAMS			WMA		
HOLY2		21	42	11.17	SFWMD-ARDAMS			WMA		
ROTTN		15	46	12.31	SFWMD-OPERATIONS			WMA		
ROTTS		16	43	10.75	SFWMD-OPERATIONS			WMA		
NP205		15	20	3.31	USACE			ENP		
NP201		19	21	5.49	USACE			ENP		
NP36		17	14	3.50	USACE			ENP		
NP38		16	9	1.03	USACE			ENP		
NP46		17	7	0.12	USACE			ENP		
NP67		22	7	1.14	USACE					
NP33		20	17	5.41	USACE			ENP		
NP34		13	17	1.63	USACE			ENP		
NP44		19	11	1.10	USACE			ENP		
NP206		21	15	3.45	USACE			ENP		
NESR2		25	21	5.49	USACE			ENP		
THSO		23	9	1.59	USACE					
RG2		23	15	3.04	USACE			ENP		
G3273		24	17	4.20	USACE		PA	ENP		
ANGEL		25	17	3.82	USACE		PA			
ANGEL		26	17	3.82	USACE		PA			
EVER4		25	8	1.48	USACE		PA	SA3		
E112		23	10	2.01	USACE			ENP		
G620		18	19	4.71	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 11.86 ft. for 04/01/2020

Date	HLM	High	Inter	Low	Base	Bene	WSM
2020 04 01	2.4	0.0	0.0	0.0	0.0	95.1	2.4
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2020 10 01	2.4	0.0	1.9	21.7	22.2	-0.0	51.8
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2021 01 01	2.4	-0.0	2.6	33.6	16.6	16.4	28.3
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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 - Apr 15, 2020 DPA Final LOK Stage 11.42

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	23	0	0.90	0.00	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	46.71	0.00	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	41.16	0.00	0.00	0.07	0.18	0.07	0.18
1966	1	0	0	0.73	0.00	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	15.70	0.00	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	63.19	0.00	0.00	0.00	0.00	0.00	0.00
1966	4	9	0	106.88	0.00	0.00	0.00	0.00	0.00	0.00
1966	5	5	0	49.59	0.00	0.00	0.01	0.01	0.01	0.01
1966	6	0	0	5.80	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	0.91	0.00	0.00	0.00	0.00	0.00	0.00
1966	9	0	0	1.21	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	82.78	0.00	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	53.86	0.00	0.00	0.00	0.00	0.00	0.00
1967	1	0	0	44.72	0.00	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	26.74	0.00	0.00	0.00	0.00	0.00	0.00
1967	3	0	0	79.58	0.00	0.00	0.00	0.00	0.00	0.00
1967	4	3	3	142.53	1.61	1.13	0.00	0.00	1.61	1.13
1967	5	31	26	226.45	82.90	36.61	7.76	3.43	90.67	40.04
1967	6	30	3	37.19	3.45	9.29	6.17	16.58	9.62	25.87
1967	7	31	2	5.62	1.42	25.28	0.01	0.20	1.43	25.49
1967	8	31	4	6.10	0.80	13.08	0.00	0.00	0.80	13.08
1967	9	30	9	12.93	5.84	45.18	0.00	0.00	5.84	45.18
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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	89.34	12.36	13.83	0.39	0.44	12.75	14.27
1967	12	31	2	31.58	0.53	1.66	0.03	0.08	0.55	1.75
1968	1	31	6	57.67	1.46	2.53	0.03	0.06	1.49	2.59
1968	2	29	6	36.86	2.05	5.56	0.00	0.00	2.05	5.56
1968	3	31	8	75.82	18.29	24.13	0.00	0.00	18.29	24.13
1968	4	0	0	115.12	0.00	0.00	0.00	0.00	0.00	0.00
1968	5	2	0	27.18	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	8.81	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.	% Cutback		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume			% SSM Cutback	Cutback Volume	Total Cutback
1968	10	0	0	0.54	0.00	0.00	0.00	0.00	0.00	0.00
1968	11	0	0	34.92	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	12.27	0.00	0.00	0.00	0.00	0.00	0.00
1969	4	0	0	85.95	0.00	0.00	0.00	0.00	0.00	0.00
1969	5	0	0	25.71	0.00	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	23.12	0.00	0.00	0.00	0.00	0.00	0.00
1969	7	16	2	22.16	3.36	15.17	0.00	0.00	3.36	15.18
1969	8	13	0	1.45	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.	% Cutback		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback	Total Cutback	% Total Cutback
1969	10	0	0	7.57	0.00	0.00	0.00	0.00	0.00	0.00
1969	11	0	0	10.96	0.00	0.00	0.00	0.00	0.00	0.00
1969	12	0	0	16.81	0.00	0.00	0.00	0.00	0.00	0.00
1970	1	0	0	3.97	0.00	0.00	0.00	0.00	0.00	0.00
1970	2	0	0	12.11	0.00	0.00	0.00	0.00	0.00	0.00
1970	3	0	0	14.02	0.00	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	111.71	0.00	0.00	0.00	0.00	0.00	0.00
1970	5	31	20	165.23	48.58	29.40	5.36	3.24	53.94	32.65
1970	6	10	0	9.93	0.00	0.00	0.00	0.00	0.00	0.00
1970	7	31	1	10.66	0.38	3.59	0.00	0.00	0.38	3.59
1970	8	31	2	6.38	0.10	1.57	0.00	0.00	0.10	1.57
1970	9	30	5	9.49	3.61	38.08	0.00	0.00	3.61	38.08
Year Mon						SSM	Convey.	% Cutback		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback	Total Cutback	% Total Cutback
1970	10	31	0	10.13	0.00	0.00	0.00	0.00	0.00	0.00
1970	11	30	19	92.27	17.38	18.84	1.80	1.95	19.19	20.79
1970	12	31	26	90.28	15.74	17.43	0.00	0.00	15.74	17.44
1971	1	31	25	73.51	14.65	19.93	0.00	0.00	14.65	19.93
1971	2	28	13	54.36	19.28	35.47	0.00	0.00	19.28	35.47
1971	3	31	28	123.74	51.32	41.47	0.00	0.00	51.32	41.48
1971	4	0	0	146.64	0.00	0.00	0.00	0.00	0.00	0.00
1971	5	18	6	101.21	9.78	9.67	0.10	0.09	9.88	9.76
1971	6	30	4	34.10	2.01	5.90	0.07	0.22	2.09	6.12
1971	7	31	0	0.59	0.00	0.00	0.00	0.00	0.00	0.00
1971	8	31	0	4.39	0.00	0.00	0.00	0.00	0.00	0.00
1971	9	30	0	12.46	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	% Cutback	Total Cutback	% Total Cutback
1971	10	17	3	14.49	4.78	33.02	0.00	0.00	4.78	33.02
1971	11	0	0	40.33	0.00	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	49.76	0.00	0.00	0.00	0.00	0.00	0.00
1972	1	0	0	35.24	0.00	0.00	0.30	0.85	0.30	0.85
1972	2	0	0	33.21	0.00	0.00	0.00	0.00	0.00	0.00
1972	3	11	6	86.91	11.75	13.52	0.01	0.01	11.76	13.54
1972	4	0	0	79.88	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	0.66	2.11	0.66	2.11
1972	7	0	0	27.35	0.00	0.00	0.00	0.00	0.00	0.00
1972	8	13	1	37.99	0.09	0.24	0.04	0.10	0.13	0.34
1972	9	30	11	32.54	10.86	33.36	0.00	0.00	10.86	33.36

Year	Mon	SSM				Convey.	% Cutback	Total Cutback	% Total Cutback
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume				
1972	10	31	18	80.26	19.22	23.94	0.00	0.00	19.22 23.94
1972	11	30	5	27.96	4.44	15.87	0.54	1.94	4.98 17.81
1972	12	31	4	26.40	0.83	3.15	0.02	0.07	0.85 3.22
1973	1	31	4	13.52	1.07	7.93	0.06	0.45	1.13 8.38
1973	2	28	0	9.76	0.00	0.00	0.30	3.11	0.30 3.11
1973	3	31	4	57.13	2.54	4.44	0.33	0.58	2.87 5.02
1973	4	0	0	110.93	0.00	0.00	0.00	0.00	0.00 0.00
1973	5	6	2	116.87	2.25	1.92	0.05	0.04	2.30 1.96
1973	6	30	3	27.71	0.58	2.10	0.00	0.00	0.58 2.10
1973	7	31	0	1.92	0.00	0.00	0.00	0.00	0.00 0.00
1973	8	31	0	0.32	0.00	0.00	0.00	0.00	0.00 0.00
1973	9	18	0	0.77	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
1973	10	0	0	18.41	0.00	0.00	0.00	0.00	0.00 0.00
1973	11	0	0	92.29	0.00	0.00	0.00	0.00	0.00 0.00
1973	12	0	0	26.63	0.00	0.00	0.00	0.00	0.00 0.00
1974	1	0	0	46.07	0.00	0.00	0.05	0.12	0.05 0.12
1974	2	0	0	75.92	0.00	0.00	0.00	0.00	0.00 0.00
1974	3	28	22	130.19	18.27	14.04	0.00	0.00	18.27 14.04
1974	4	0	0	119.15	0.00	0.00	0.00	0.00	0.00 0.00
1974	5	30	5	101.27	5.69	5.62	0.11	0.11	5.81 5.73
1974	6	30	0	9.91	0.00	0.00	0.86	8.67	0.86 8.67
1974	7	2	0	1.17	0.00	0.00	0.35	29.51	0.35 29.51
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.	% Cutback	Total Cutback	% Total Cutback
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Convey.	% 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	76.35	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	98.52	0.00	0.00	0.00	0.00	0.00 0.00
1975	4	0	0	121.29	0.00	0.00	0.00	0.00	0.00 0.00
1975	5	12	1	42.68	0.08	0.18	0.04	0.09	0.11 0.27
1975	6	0	0	4.57	0.00	0.00	0.00	0.00	0.00 0.00
1975	7	31	0	2.61	0.00	0.00	0.00	0.00	0.00 0.00
1975	8	31	4	8.60	2.75	32.02	0.00	0.00	2.75 32.02
1975	9	30	0	0.47	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
1975	10	31	0	3.43	0.00	0.00	0.00	0.00	0.00 0.00
1975	11	5	1	53.87	0.70	1.29	0.11	0.21	0.81 1.50
1975	12	30	12	78.01	8.21	10.52	0.11	0.14	8.31 10.65
1976	1	31	9	62.39	4.67	7.49	0.11	0.17	4.78 7.66
1976	2	29	14	65.00	10.07	15.49	0.03	0.05	10.10 15.54
1976	3	31	6	72.34	5.19	7.17	0.08	0.11	5.27 7.28
1976	4	2	0	137.54	0.00	0.00	0.00	0.00	0.00 0.00
1976	5	13	0	9.75	0.00	0.00	0.00	0.00	0.00 0.00
1976	6	0	0	16.69	0.00	0.00	0.00	0.00	0.00 0.00
1976	7	0	0	18.74	0.00	0.00	0.02	0.08	0.02 0.08
1976	8	0	0	2.59	0.00	0.00	0.00	0.00	0.00 0.00
1976	9	0	0	2.30	0.00	0.00	0.02	1.02	0.02 1.02

Year	Mon				SSM		Convey.		% Total	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1976	10	0	0	66.50	0.00	0.00	0.00	0.00	0.00	0.00
1976	11	0	0	47.45	0.00	0.00	0.00	0.00	0.00	0.00
1976	12	0	0	22.72	0.00	0.00	0.07	0.33	0.07	0.33
1977	1	0	0	1.71	0.00	0.00	0.00	0.00	0.00	0.00
1977	2	0	0	52.75	0.00	0.00	0.00	0.00	0.00	0.00
1977	3	0	0	105.70	0.00	0.00	0.00	0.00	0.00	0.00
1977	4	0	0	121.65	0.00	0.00	0.00	0.00	0.00	0.00
1977	5	6	0	41.99	0.00	0.00	0.07	0.16	0.07	0.16
1977	6	13	5	61.69	19.53	31.66	0.06	0.10	19.59	31.76
1977	7	31	5	20.43	4.95	24.23	0.00	0.00	4.95	24.23
1977	8	31	2	7.65	0.74	9.63	0.00	0.00	0.74	9.63
1977	9	30	0	0.12	0.00	0.00	0.00	0.00	0.00	0.00
Year Mon					SSM		Convey.		% Total	
# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback		
1977	10	31	14	70.02	20.20	28.85	0.00	0.00	20.20	28.85
1977	11	30	1	24.81	0.01	0.02	1.12	4.50	1.12	4.52
1977	12	12	0	1.16	0.00	0.00	0.00	0.00	0.00	0.00
1978	1	0	0	7.17	0.00	0.00	0.00	0.00	0.00	0.00
1978	2	0	0	25.16	0.00	0.00	0.00	0.00	0.00	0.00
1978	3	0	0	48.28	0.00	0.00	0.00	0.00	0.00	0.00
1978	4	0	0	83.36	0.00	0.00	0.00	0.00	0.00	0.00
1978	5	0	0	17.96	0.00	0.00	0.00	0.00	0.00	0.00
1978	6	0	0	20.73	0.00	0.00	0.00	0.00	0.00	0.00
1978	7	0	0	1.08	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					SSM		Convey.		% Total	
# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback		
1978	10	0	0	8.73	0.00	0.00	0.00	0.00	0.00	0.00
1978	11	0	0	24.47	0.00	0.00	0.00	0.00	0.00	0.00
1978	12	0	0	17.75	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	39.72	0.00	0.00	0.00	0.00	0.00	0.00
1979	3	0	0	73.30	0.00	0.00	0.00	0.00	0.00	0.00
1979	4	3	0	91.30	0.00	0.00	0.00	0.00	0.00	0.00
1979	5	0	0	0.34	0.00	0.00	0.00	0.00	0.00	0.00
1979	6	4	0	151.15	0.00	0.00	1.93	1.28	1.93	1.28
1979	7	31	5	22.12	5.56	25.15	0.00	0.00	5.57	25.15
1979	8	31	2	7.82	1.02	13.02	0.00	0.00	1.02	13.02
1979	9	18	0	0.26	0.00	0.00	0.00	0.00	0.00	0.00
Year Mon					SSM		Convey.		% Total	
# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback		
1979	10	0	0	12.94	0.00	0.00	0.00	0.00	0.00	0.00
1979	11	0	0	4.46	0.00	0.00	0.00	0.00	0.00	0.00
1979	12	0	0	19.61	0.00	0.00	0.00	0.00	0.00	0.00
1980	1	0	0	36.99	0.00	0.00	0.00	0.00	0.00	0.00
1980	2	0	0	11.17	0.00	0.00	0.00	0.00	0.00	0.00
1980	3	0	0	64.31	0.00	0.00	0.00	0.00	0.00	0.00
1980	4	0	0	67.91	0.00	0.00	0.00	0.00	0.00	0.00
1980	5	0	0	98.10	0.00	0.00	0.03	0.03	0.03	0.03
1980	6	21	10	135.98	28.87	21.23	0.00	0.00	28.87	21.24
1980	7	31	7	18.73	7.30	38.96	0.00	0.00	7.30	38.96
1980	8	31	3	7.43	0.25	3.43	0.00	0.00	0.25	3.43
1980	9	30	0	2.74	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon					SSM	Convey.	% Cutback		
		# Days SSM	# Days SSMwC.B.	Supplem. Volume	Cutback Volume			% SSM Cutback	Cutback Volume	Total Cutback
1980	10	31	19	77.59	19.28	24.85	0.00	0.00	19.28	24.85
1980	11	30	7	30.30	6.15	20.30	0.43	1.41	6.58	21.71
1980	12	31	9	39.74	9.85	24.80	0.00	0.00	9.86	24.80
1981	1	31	27	74.26	28.23	38.01	0.00	0.00	28.23	38.01
1981	2	28	7	31.83	7.02	22.05	0.03	0.08	7.04	22.13
1981	3	31	25	95.11	41.27	43.39	0.17	0.18	41.44	43.57
1981	4	0	0	130.49	0.00	0.00	0.02	0.01	0.02	0.01
1981	5	27	13	165.13	35.89	21.73	0.65	0.39	36.54	22.13
1981	6	30	11	83.67	28.20	33.70	3.50	4.18	31.70	37.88
1981	7	31	17	70.56	45.79	64.89	0.00	0.00	45.79	64.90
1981	8	31	0	2.19	0.00	0.00	0.00	0.00	0.00	0.00
1981	9	30	0	1.96	0.00	0.00	0.00	0.00	0.00	0.00
Year Mon						SSM	Convey.	% Cutback		
		# Days SSM	# Days SSMwC.B.	Supplem. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback	Total Cutback	% Total Cutback
1981	10	31	27	102.08	35.37	34.65	0.00	0.00	35.37	34.65
1981	11	30	12	51.40	22.35	43.48	0.91	1.78	23.26	45.25
1981	12	31	29	88.82	39.49	44.46	0.00	0.00	39.49	44.46
1982	1	31	27	75.12	28.89	38.46	0.00	0.00	28.89	38.46
1982	2	28	3	29.78	2.59	8.68	0.01	0.02	2.59	8.70
1982	3	31	6	30.87	8.90	28.82	0.04	0.12	8.93	28.94
1982	4	0	0	55.35	0.00	0.00	0.00	0.00	0.00	0.00
1982	5	0	0	108.40	0.00	0.00	0.25	0.23	0.25	0.23
1982	6	0	0	20.04	0.00	0.00	0.14	0.72	0.14	0.72
1982	7	0	0	4.91	0.00	0.00	0.00	0.00	0.00	0.00
1982	8	0	0	2.29	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	Convey.	% Cutback		
		# Days SSM	# Days SSMwC.B.	Supplem. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback	Total Cutback	% Total Cutback
1982	10	0	0	13.21	0.00	0.00	0.00	0.00	0.00	0.00
1982	11	0	0	44.69	0.00	0.00	0.00	0.00	0.00	0.00
1982	12	0	0	46.87	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	0.07	0.00	0.00	0.00	0.00	0.00	0.00
1983	4	0	0	85.11	0.00	0.00	0.00	0.00	0.00	0.00
1983	5	17	14	209.22	32.66	15.61	0.13	0.06	32.79	15.67
1983	6	30	2	34.32	1.95	5.67	0.00	0.00	1.95	5.67
1983	7	31	12	41.51	21.11	50.86	0.00	0.00	21.11	50.86
1983	8	31	2	5.84	0.42	7.26	0.00	0.00	0.42	7.26
1983	9	30	3	6.82	3.50	51.26	0.00	0.00	3.50	51.26
Year Mon						SSM	Convey.	% Cutback		
		# Days SSM	# Days SSMwC.B.	Supplem. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback	Total Cutback	% Total Cutback
1983	10	31	0	3.28	0.00	0.00	0.00	0.00	0.00	0.00
1983	11	8	0	19.93	0.00	0.00	0.00	0.00	0.00	0.00
1983	12	0	0	16.95	0.00	0.00	0.00	0.00	0.00	0.00
1984	1	0	0	29.66	0.00	0.00	0.00	0.00	0.00	0.00
1984	2	0	0	32.50	0.00	0.00	0.00	0.00	0.00	0.00
1984	3	0	0	15.30	0.00	0.00	0.00	0.00	0.00	0.00
1984	4	0	0	119.28	0.00	0.00	0.00	0.00	0.00	0.00
1984	5	9	3	118.71	1.03	0.87	0.40	0.34	1.43	1.20
1984	6	10	0	53.94	0.00	0.00	0.15	0.28	0.15	0.28
1984	7	0	0	1.49	0.00	0.00	0.08	5.55	0.08	5.55
1984	8	0	0	18.53	0.00	0.00	0.10	0.55	0.10	0.55
1984	9	16	2	14.75	1.73	11.71	0.00	0.00	1.73	11.71

Year	Mon	SSM				Convey.		% Total		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1984	10	20	5	54.33	4.66	8.58	0.00	0.00	4.66	8.58
1984	11	24	9	59.67	10.22	17.12	0.79	1.32	11.00	18.44
1984	12	0	0	47.79	0.00	0.00	0.00	0.00	0.00	0.00
1985	1	0	0	57.59	0.00	0.00	0.04	0.06	0.04	0.06
1985	2	20	15	88.54	8.10	9.15	0.01	0.02	8.11	9.16
1985	3	31	16	85.40	18.10	21.19	0.02	0.03	18.12	21.22
1985	4	0	0	63.77	0.00	0.00	0.00	0.00	0.00	0.00
1985	5	0	0	110.23	0.00	0.00	0.17	0.15	0.17	0.15
1985	6	27	8	106.22	39.13	36.84	0.25	0.23	39.37	37.07
1985	7	31	2	5.23	1.53	29.28	0.00	0.00	1.53	29.28
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.		% Total		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1985	10	31	0	8.05	0.00	0.00	0.00	0.00	0.00	0.00
1985	11	30	3	34.45	0.79	2.29	0.15	0.43	0.94	2.72
1985	12	8	0	18.29	0.00	0.00	0.34	1.89	0.34	1.89
1986	1	0	0	12.77	0.00	0.00	0.00	0.00	0.00	0.00
1986	2	0	0	47.00	0.00	0.00	0.10	0.21	0.10	0.21
1986	3	0	0	18.18	0.00	0.00	0.09	0.51	0.09	0.51
1986	4	9	9	152.00	10.34	6.80	0.00	0.00	10.34	6.80
1986	5	31	12	139.48	20.23	14.51	0.19	0.14	20.42	14.64
1986	6	30	4	26.54	3.82	14.39	2.30	8.68	6.12	23.06
1986	7	3	0	3.15	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	9	0	5.69	0.00	0.00	0.00	0.00	0.00	0.00
Year	Mon	SSM				Convey.		% Total		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1986	10	30	4	30.72	2.20	7.15	0.09	0.28	2.28	7.43
1986	11	0	0	21.97	0.00	0.00	0.00	0.00	0.00	0.00
1986	12	0	0	40.67	0.00	0.00	0.52	1.28	0.52	1.28
1987	1	0	0	12.00	0.00	0.00	0.01	0.07	0.01	0.07
1987	2	0	0	20.84	0.00	0.00	0.04	0.17	0.04	0.17
1987	3	0	0	19.46	0.00	0.00	0.05	0.26	0.05	0.26
1987	4	0	0	136.07	0.00	0.00	0.02	0.02	0.02	0.02
1987	5	12	6	112.93	10.98	9.73	0.08	0.07	11.07	9.80
1987	6	30	20	125.71	41.00	32.61	7.73	6.15	48.73	38.76
1987	7	31	6	14.20	3.57	25.17	0.00	0.00	3.57	25.17
1987	8	31	21	62.08	46.24	74.48	0.09	0.15	46.33	74.63
1987	9	30	12	16.95	8.11	47.86	0.00	0.00	8.11	47.86
Year	Mon	SSM				Convey.		% Total		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1987	10	31	0	17.96	0.00	0.00	0.00	0.00	0.00	0.00
1987	11	24	0	2.61	0.00	0.00	0.32	12.43	0.32	12.43
1987	12	0	0	34.46	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	10.81	0.00	0.00	0.00	0.00	0.00	0.00
1988	3	0	0	24.10	0.00	0.00	0.02	0.09	0.02	0.09
1988	4	0	0	118.98	0.00	0.00	0.00	0.00	0.00	0.00
1988	5	0	0	107.04	0.00	0.00	0.13	0.12	0.13	0.12
1988	6	15	5	59.87	7.10	11.86	0.00	0.00	7.10	11.86
1988	7	31	1	7.34	0.07	0.93	0.00	0.00	0.07	0.93
1988	8	31	0	0.02	0.00	0.00	0.00	0.00	0.00	0.00
1988	9	30	15	50.37	27.09	53.77	0.00	0.00	27.09	53.78

Year	Mon	SSM				Convey.		% Cutback		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1988	10	31	31	123.65	54.41	44.00	0.00	0.00	54.41	44.01
1988	11	30	2	44.48	0.57	1.28	0.71	1.61	1.28	2.88
1988	12	31	4	48.49	1.48	3.06	0.02	0.04	1.50	3.10
1989	1	31	12	55.02	7.54	13.70	0.03	0.05	7.57	13.75
1989	2	28	22	86.74	22.13	25.51	0.04	0.04	22.17	25.56
1989	3	31	11	54.56	14.26	26.15	0.00	0.00	14.26	26.15
1989	4	0	0	57.02	0.00	0.00	0.00	0.00	0.00	0.00
1989	5	0	0	128.61	0.00	0.00	0.38	0.30	0.38	0.30
1989	6	23	7	129.59	21.51	16.60	2.42	1.87	23.93	18.46
1989	7	31	10	34.61	17.43	50.37	0.00	0.00	17.43	50.37
1989	8	31	2	5.19	0.91	17.60	0.00	0.00	0.91	17.60
1989	9	30	0	0.86	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	% Cutback Convey.	Total Cutback	% Total Cutback		
1989	10	31	1	14.21	0.13	0.88	0.00	0.13	0.88	
1989	11	30	24	93.42	15.99	17.11	0.78	0.83	16.76	17.94
1989	12	31	3	26.43	0.92	3.48	0.01	0.04	0.93	3.52
1990	1	31	12	58.50	6.44	11.01	0.10	0.16	6.54	11.18
1990	2	28	0	11.93	0.00	0.00	0.00	0.00	0.00	0.00
1990	3	31	7	69.44	3.23	4.65	0.00	0.00	3.23	4.65
1990	4	0	0	100.09	0.00	0.00	0.00	0.00	0.00	0.00
1990	5	0	0	46.11	0.00	0.00	0.18	0.39	0.18	0.39
1990	6	16	5	57.70	15.03	26.04	0.00	0.00	15.03	26.04
1990	7	31	1	5.22	0.12	2.38	0.00	0.00	0.12	2.38
1990	8	31	0	2.54	0.00	0.00	0.00	0.00	0.00	0.00
1990	9	30	11	21.03	4.57	21.74	0.00	0.00	4.57	21.74
Year Mon		SSM				Convey.		% Cutback		
# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback		
1990	10	15	0	14.45	0.00	0.00	0.00	0.00	0.00	0.00
1990	11	0	0	77.07	0.00	0.00	0.00	0.00	0.00	0.00
1990	12	0	0	77.92	0.00	0.00	0.00	0.00	0.00	0.00
1991	1	0	0	4.70	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	55.49	0.00	0.00	0.00	0.00	0.00	0.00
1991	4	0	0	53.64	0.00	0.00	0.00	0.00	0.00	0.00
1991	5	0	0	50.81	0.00	0.00	0.00	0.00	0.00	0.00
1991	6	0	0	16.03	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	8.29	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	0	0	4.97	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	% Cutback Convey.	Total Cutback	% Total Cutback		
1991	10	0	0	11.81	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	0	0	43.02	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	0	0	34.56	0.00	0.00	0.00	0.00	0.00	0.00
1992	1	0	0	19.70	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	0	0	22.40	0.00	0.00	0.00	0.00	0.00	0.00
1992	3	0	0	31.14	0.00	0.00	0.00	0.00	0.00	0.00
1992	4	0	0	68.39	0.00	0.00	0.00	0.00	0.00	0.00
1992	5	11	9	202.69	27.72	13.67	0.33	0.17	28.05	13.84
1992	6	25	2	29.34	6.89	23.48	0.00	0.00	6.89	23.48
1992	7	0	0	17.79	0.00	0.00	0.00	0.00	0.00	0.00
1992	8	0	0	6.28	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.	Supplm. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
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1992	10	0	0	50.93	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0	0	19.90	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	0	0	38.93	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	19.71	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0	0	89.23	0.00	0.00	0.00	0.00	0.00	0.00
1993	5	12	8	181.60	21.89	12.06	0.09	0.05	21.98	12.10
1993	6	21	4	40.33	6.26	15.53	0.04	0.09	6.30	15.61
1993	7	31	20	53.13	27.55	51.85	0.00	0.00	27.55	51.85
1993	8	31	24	59.86	37.19	62.13	0.00	0.00	37.19	62.13
1993	9	30	0	2.88	0.00	0.00	0.00	0.00	0.00	0.00
Year Mon		# Days SSM	# Days SSMwC.B.	Supplm. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
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1993	10	31	0	3.07	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	30	0	35.98	0.00	0.00	0.24	0.67	0.24	0.67
1993	12	31	8	48.39	4.05	8.36	0.19	0.40	4.24	8.76
1994	1	30	0	7.82	0.00	0.00	0.32	4.15	0.32	4.15
1994	2	0	0	8.96	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0	0	44.96	0.00	0.00	0.00	0.00	0.00	0.00
1994	4	0	0	60.83	0.00	0.00	0.00	0.00	0.00	0.00
1994	5	0	0	97.49	0.00	0.00	0.00	0.00	0.00	0.00
1994	6	0	0	18.50	0.00	0.00	0.00	0.00	0.00	0.00
1994	7	0	0	16.92	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.	Supplm. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
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1994	10	0	0	7.58	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	0	0	10.48	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	3.47	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	0	0	7.82	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	0	0	30.38	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0	0	99.99	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0	0	91.15	0.00	0.00	0.12	0.14	0.12	0.14
1995	6	19	0	23.45	0.00	0.00	0.32	1.35	0.32	1.35
1995	7	31	1	12.11	0.81	6.69	0.00	0.00	0.81	6.69
1995	8	6	0	2.10	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	0	0	10.30	0.00	0.00	0.00	0.00	0.00	0.00
Year Mon		# Days SSM	# Days SSMwC.B.	Supplm. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
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1995	10	0	0	0.83	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	0	0	45.22	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	0	0	32.36	0.00	0.00	0.00	0.00	0.00	0.00
1996	1	0	0	12.78	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	33.80	0.00	0.00	0.00	0.00	0.00	0.00
1996	4	0	0	115.66	0.00	0.00	0.00	0.00	0.00	0.00
1996	5	0	0	34.67	0.00	0.00	0.00	0.00	0.00	0.00
1996	6	0	0	3.11	0.00	0.00	0.00	0.00	0.00	0.00
1996	7	0	0	55.71	0.00	0.00	0.00	0.00	0.00	0.00
1996	8	8	0	11.84	0.00	0.00	0.01	0.08	0.01	0.08
1996	9	30	11	29.31	6.85	23.36	0.00	0.00	6.85	23.36

Year Mon		SSM			Convey.		% Total		
# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback	
1996 10	31	0	16.54	0.00	0.00	0.00	0.00	0.00	
1996 11	30	12	68.90	5.02	7.29	0.96	1.39	5.98	
1996 12	31	15	74.08	7.57	10.21	0.00	0.00	7.57	
1997 1	31	5	42.38	0.83	1.97	0.05	0.11	0.88	
1997 2	28	5	43.61	2.35	5.38	0.12	0.28	2.47	
1997 3	31	11	56.22	8.28	14.73	0.00	0.00	8.28	
1997 4	0	0	59.74	0.00	0.00	0.00	0.00	0.00	
1997 5	0	0	20.88	0.00	0.00	0.02	0.09	0.02	
1997 6	0	0	31.94	0.00	0.00	0.72	2.27	0.72	
1997 7	0	0	12.30	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	
1997 9	0	0	6.21	0.00	0.00	0.00	0.00	0.00	
Year Mon		SSM			Convey.		% Total		
# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback	
1997 10	0	0	48.29	0.00	0.00	0.00	0.00	0.00	
1997 11	0	0	16.18	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	1.98	0.00	0.00	0.00	0.00	0.00	
1998 3	0	0	4.62	0.00	0.00	0.00	0.00	0.00	
1998 4	0	0	96.38	0.00	0.00	0.00	0.00	0.00	
1998 5	11	7	132.60	20.01	15.09	0.15	0.11	20.15	
1998 6	30	26	186.11	90.98	48.88	3.75	2.01	94.73	
1998 7	31	9	34.54	15.71	45.49	0.00	0.00	15.71	
1998 8	31	6	9.57	1.93	20.18	0.72	7.50	2.65	
1998 9	30	1	2.25	0.18	8.08	0.00	0.00	0.18	
Year Mon		SSM			Convey.		% Total		
# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback	
1998 10	31	0	23.61	0.00	0.00	0.00	0.00	0.00	
1998 11	7	3	19.78	2.09	10.55	0.55	2.76	2.63	
1998 12	0	0	31.25	0.00	0.00	0.00	0.00	0.00	
1999 1	0	0	10.35	0.00	0.00	0.00	0.00	0.00	
1999 2	0	0	48.45	0.00	0.00	0.11	0.23	0.11	
1999 3	2	1	121.68	0.18	0.15	0.00	0.00	0.15	
1999 4	9	5	109.88	3.22	2.93	0.00	0.00	3.22	
1999 5	2	0	86.80	0.00	0.00	0.06	0.07	0.06	
1999 6	0	0	6.44	0.00	0.00	0.00	0.00	0.00	
1999 7	0	0	8.49	0.00	0.00	0.01	0.11	0.01	
1999 8	0	0	13.18	0.00	0.00	0.04	0.29	0.04	
1999 9	0	0	1.67	0.00	0.00	0.33	19.86	0.33	
Year Mon		SSM			Convey.		% Total		
# Days SSM	# Days SSMwC.B.	Supplm. 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	47.26	0.00	0.00	0.00	0.00	0.00	
2000 1	0	0	59.59	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	72.50	0.00	0.00	0.00	0.00	0.00	
2000 4	0	0	85.60	0.00	0.00	0.00	0.00	0.00	
2000 5	8	6	184.69	13.15	7.12	0.10	0.05	13.24	
2000 6	30	22	185.21	100.68	54.36	4.50	2.43	105.18	
2000 7	31	0	2.91	0.00	0.00	0.00	0.00	0.00	
2000 8	31	16	50.99	37.43	73.41	0.00	0.00	37.43	
2000 9	30	5	5.23	2.31	44.16	0.00	0.00	2.31	

Year	Mon				SSM		Convey.		% Total	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
2000	10	31	11	43.65	11.24	25.74	0.00	0.00	11.24	25.74
2000	11	30	29	106.58	50.99	47.84	0.10	0.10	51.09	47.93
2000	12	31	26	80.10	32.58	40.67	0.01	0.02	32.59	40.68
2001	1	31	27	72.03	27.44	38.10	0.00	0.01	27.45	38.11
2001	2	28	28	97.30	50.31	51.71	0.00	0.00	50.31	51.71
2001	3	31	23	89.43	46.36	51.84	0.06	0.07	46.42	51.91
2001	4	0	0	133.99	0.00	0.00	0.00	0.00	0.00	0.00
2001	5	20	10	149.92	33.24	22.17	0.04	0.02	33.28	22.20
2001	6	30	8	53.08	8.64	16.27	4.96	9.34	13.59	25.61
2001	7	31	3	12.86	3.42	26.56	0.00	0.00	3.42	26.56
2001	8	31	11	28.22	13.72	48.62	0.00	0.00	13.72	48.62
2001	9	17	2	6.41	2.29	35.67	0.00	0.00	2.29	35.67
Year	Mon				SSM		Convey.		% Total	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
2001	10	0	0	10.08	0.00	0.00	0.00	0.00	0.00	0.00
2001	11	0	0	41.35	0.00	0.00	0.00	0.00	0.00	0.00
2001	12	0	0	41.15	0.00	0.00	0.00	0.00	0.00	0.00
2002	1	0	0	27.18	0.00	0.00	0.00	0.00	0.00	0.00
2002	2	0	0	30.47	0.00	0.00	0.00	0.00	0.00	0.00
2002	3	0	0	78.94	0.00	0.00	0.00	0.00	0.00	0.00
2002	4	0	0	107.88	0.00	0.00	0.00	0.00	0.00	0.00
2002	5	26	13	162.36	20.86	12.85	0.92	0.57	21.78	13.41
2002	6	30	10	73.11	30.10	41.18	4.91	6.72	35.01	47.89
2002	7	3	0	12.47	0.00	0.00	0.00	0.00	0.00	0.00
2002	8	0	0	14.40	0.00	0.00	0.19	1.33	0.19	1.33
2002	9	0	0	10.69	0.00	0.00	0.00	0.00	0.00	0.00
Year	Mon				SSM		Convey.		% Total	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
2002	10	0	0	11.86	0.00	0.00	0.00	0.00	0.00	0.00
2002	11	0	0	30.79	0.00	0.00	0.00	0.00	0.00	0.00
2002	12	0	0	7.64	0.00	0.00	0.00	0.00	0.00	0.00
2003	1	0	0	45.78	0.00	0.00	0.00	0.00	0.00	0.00
2003	2	0	0	56.66	0.00	0.00	0.00	0.00	0.00	0.00
2003	3	0	0	34.90	0.00	0.00	0.00	0.00	0.00	0.00
2003	4	0	0	93.36	0.00	0.00	0.00	0.00	0.00	0.00
2003	5	0	0	55.10	0.00	0.00	0.00	0.00	0.00	0.00
2003	6	0	0	16.17	0.00	0.00	0.17	1.06	0.17	1.06
2003	7	0	0	16.00	0.00	0.00	1.00	6.25	1.00	6.25
2003	8	0	0	0.01	0.00	0.00	0.00	0.00	0.00	0.00
2003	9	0	0	1.25	0.00	0.00	0.00	0.00	0.00	0.00
Year	Mon				SSM		Convey.		% Total	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
2003	10	0	0	41.15	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	28.51	0.00	0.00	0.01	0.02	0.01	0.02
2004	1	0	0	45.41	0.00	0.00	0.00	0.00	0.00	0.00
2004	2	0	0	17.47	0.00	0.00	0.00	0.00	0.00	0.00
2004	3	0	0	99.94	0.00	0.00	0.00	0.00	0.00	0.00
2004	4	0	0	110.87	0.00	0.00	0.00	0.00	0.00	0.00
2004	5	14	12	195.52	40.44	20.69	0.75	0.38	41.19	21.07
2004	6	30	9	68.68	21.75	31.67	3.14	4.57	24.89	36.23
2004	7	31	18	54.61	32.20	58.97	0.03	0.06	32.24	59.03
2004	8	31	0	0.06	0.00	0.00	0.04	74.50	0.04	74.50
2004	9	10	0	0.26	0.00	0.00	0.11	42.98	0.11	42.98

Year	Mon			SSM		Convey.	%		
		# Days	# Days	Supplem.	Cutback	% SSM	Cutback	Cutback	Total
		SSM	SSMwC.B.	Volume	Volume	Cutback	Volume	Convey.	Cutback
2004	10	0	0	8.42	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	44.63	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	0.40	0.00	0.00	0.00	0.00	0.00
2005	4	0	0	108.90	0.00	0.00	0.00	0.00	0.00
2005	5	0	0	66.45	0.00	0.00	0.05	0.08	0.05
2005	6	0	0	7.07	0.00	0.00	0.14	2.00	0.14
2005	7	0	0	20.13	0.00	0.00	0.00	0.00	0.00
2005	8	0	0	7.08	0.00	0.00	0.00	0.00	0.00
2005	9	0	0	12.80	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)

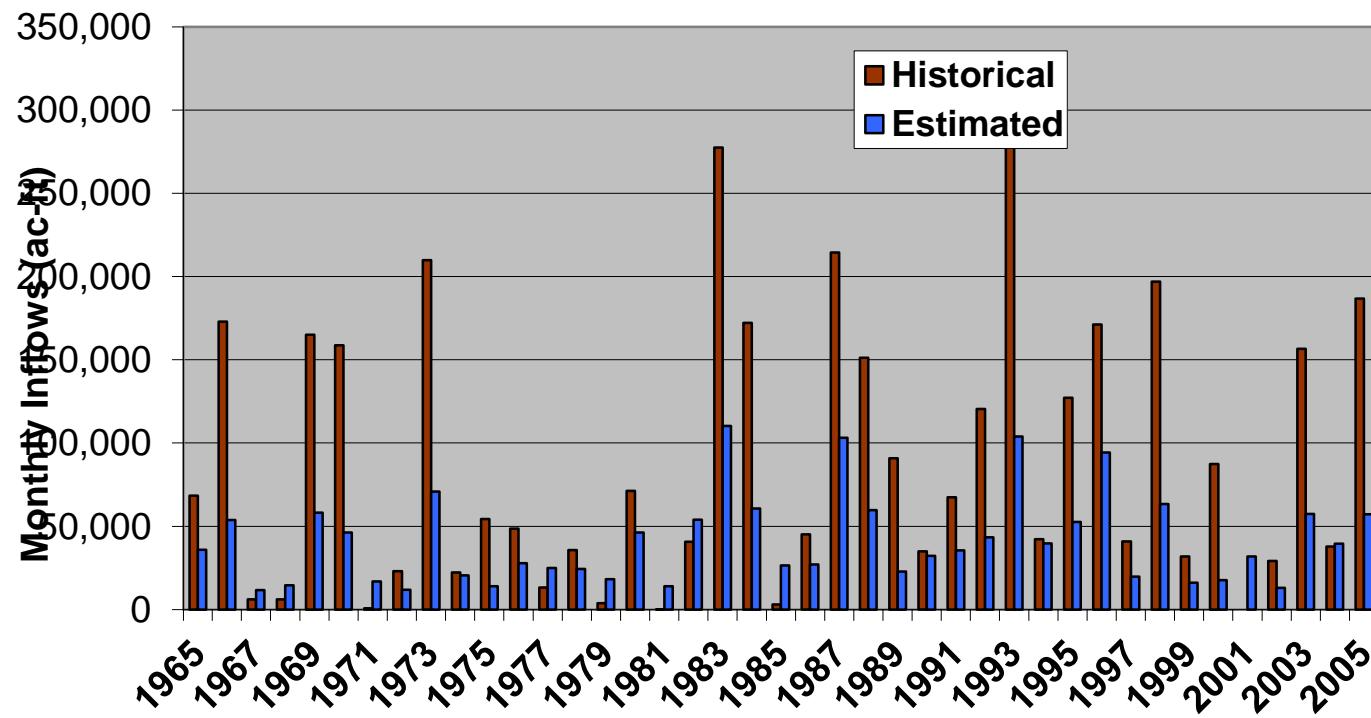
Run:

SFWMM v6.7.4 - Apr 15, 2020 DPA Final LOK Stage 11.42

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	37	0	332.79	0.00	0.00	0.08	0.02	0.08	0.02
1967	156	47	725.17	96.03	13.24	13.94	1.92	109.97	15.16
1968	185	40	463.42	34.68	7.48	0.45	0.10	35.13	7.58
1969	29	2	362.62	3.36	0.93	0.00	0.00	3.36	0.93
1970	133	28	378.86	52.68	13.90	5.36	1.41	58.04	15.32
1971	322	121	743.69	130.18	17.50	1.98	0.27	132.16	17.77
1972	71	21	492.60	27.48	5.58	1.01	0.21	28.50	5.78
1973	298	40	473.54	30.92	6.53	1.30	0.27	32.22	6.80
1974	90	27	622.00	23.96	3.85	1.37	0.22	25.34	4.07
1975	104	5	530.97	2.83	0.53	0.04	0.01	2.87	0.54
1976	172	42	522.66	28.83	5.52	0.48	0.09	29.31	5.61
1977	111	12	550.37	25.22	4.58	0.20	0.04	25.42	4.62
1978	73	15	301.70	20.21	6.70	1.12	0.37	21.32	7.07
1979	87	7	436.98	6.58	1.51	1.93	0.44	8.51	1.95
1980	113	20	480.36	36.42	7.58	0.03	0.01	36.45	7.59
1981	331	135	802.84	221.68	27.61	4.80	0.60	226.48	28.21
1982	182	104	574.19	137.59	23.96	1.36	0.24	138.94	24.20
1983	139	33	509.74	59.63	11.70	0.13	0.03	59.77	11.72
1984	74	5	444.33	2.75	0.62	0.73	0.17	3.49	0.79
1985	214	55	681.05	81.73	12.00	1.28	0.19	83.01	12.19
1986	151	28	465.61	35.17	7.55	3.18	0.68	38.35	8.24
1987	164	69	613.60	112.10	18.27	8.64	1.41	120.73	19.68
1988	162	21	442.50	34.25	7.74	0.48	0.11	34.73	7.85
1989	297	101	768.82	140.24	18.24	3.61	0.47	143.85	18.71
1990	290	64	506.62	46.42	9.16	1.06	0.21	47.49	9.37
1991	15	0	390.31	0.00	0.00	0.00	0.00	0.00	0.00
1992	36	11	488.01	34.60	7.09	0.33	0.07	34.94	7.16
1993	125	56	564.31	92.89	16.46	0.13	0.02	93.02	16.48
1994	122	8	343.65	4.05	1.18	0.76	0.22	4.81	1.40
1995	56	1	299.11	0.81	0.27	0.44	0.15	1.25	0.42
1996	38	11	449.07	6.85	1.52	0.01	0.00	6.86	1.53
1997	182	48	434.75	24.05	5.53	1.87	0.43	25.92	5.96
1998	133	49	534.66	128.81	24.09	4.61	0.86	133.42	24.95
1999	51	9	481.59	5.49	1.14	1.10	0.23	6.59	1.37
2000	130	49	796.89	153.57	19.27	4.59	0.58	158.16	19.85
2001	311	178	873.57	280.21	32.08	5.18	0.59	285.39	32.67
2002	59	23	610.06	50.96	8.35	6.02	0.99	56.98	9.34
2003	0	0	369.51	0.00	0.00	1.17	0.32	1.17	0.32
2004	116	39	695.07	94.39	13.58	4.08	0.59	98.47	14.17
2005	0	0	457.07	0.00	0.00	0.19	0.04	0.19	0.04

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



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

