

# Lake Okeechobee HAB Deviation Sensitivity Simulation (Based on the Feb 1, 2021 Dynamic Position Analysis)

## SFWMM Model Simulation of 41 years ( 1965-2005 )

### Modeling Assumptions

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# **Lake Okeechobee HAB Deviation Sensitivity Simulation Modeling Assumptions (Based on the February 1, 2021 Dynamic Position Analysis)**

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- The Lake Okeechobee HAB Deviation Sensitivity Simulation is based on regular Position Analysis applying V6.7.4 (Tamiami Trail) of the SFWM, and assuming the current Lake Okeechobee Net Inflow Outlook (LONINO) for each year simulated. It is based on historical climatic conditions spanning the period 1965-2005
- The model is reinitialized January 1<sup>st</sup> of each year and is an approximation of the HAB Deviation
- This simulation approximates the HAB deviation by switching releases to the west from 650 cfs to 1,500 cfs when the LORS Part D falls in one of the Base Flow Boxes
- 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

- La Niña conditions are present and likely to continue through winter (~95% 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:

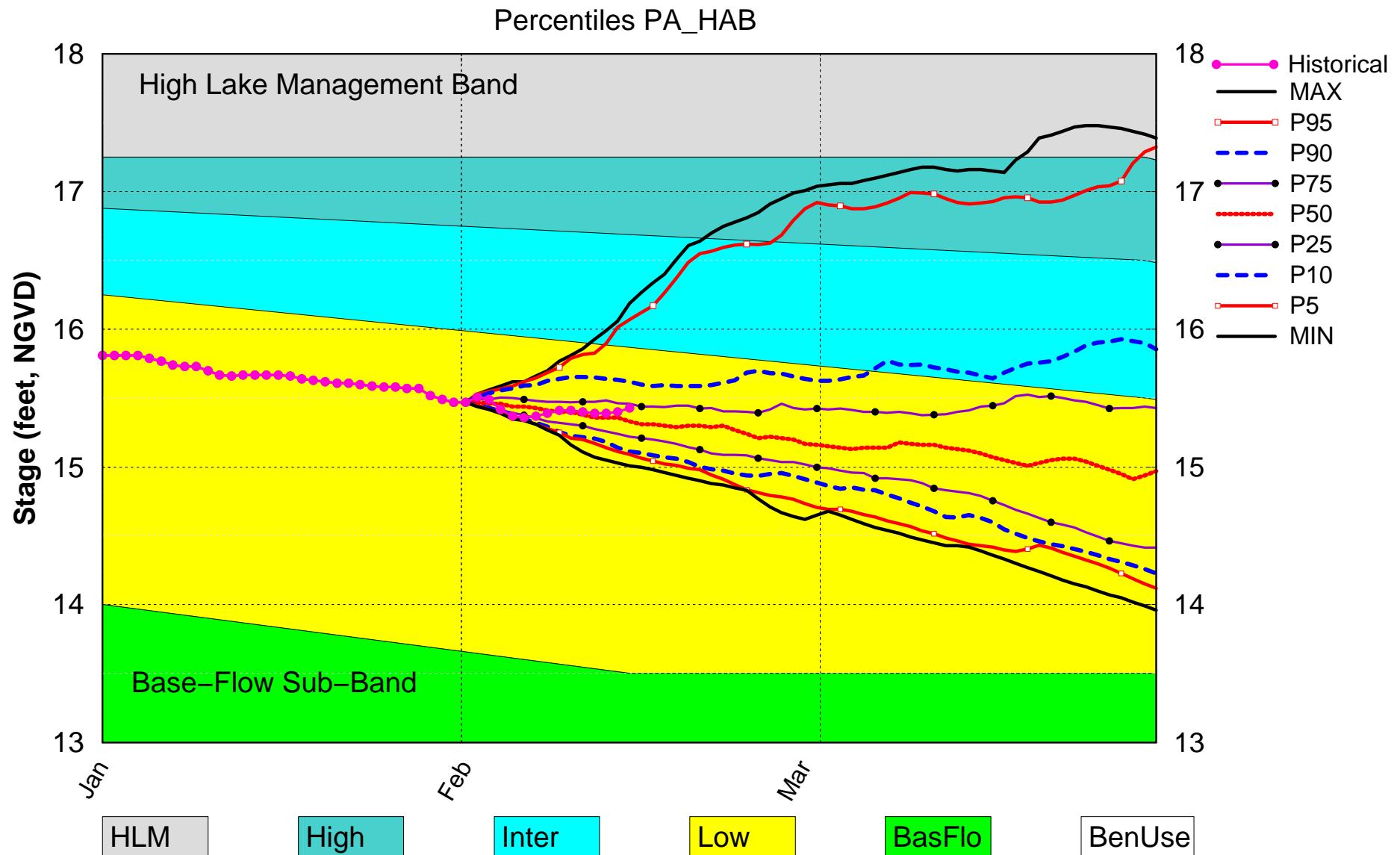
[https://origin.cpc.ncep.noaa.gov/products/analysis\\_monitoring/ensostuff/ONI\\_v5.php](https://origin.cpc.ncep.noaa.gov/products/analysis_monitoring/ensostuff/ONI_v5.php)

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
- WCA-3A was simulated using COP
- 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](#).

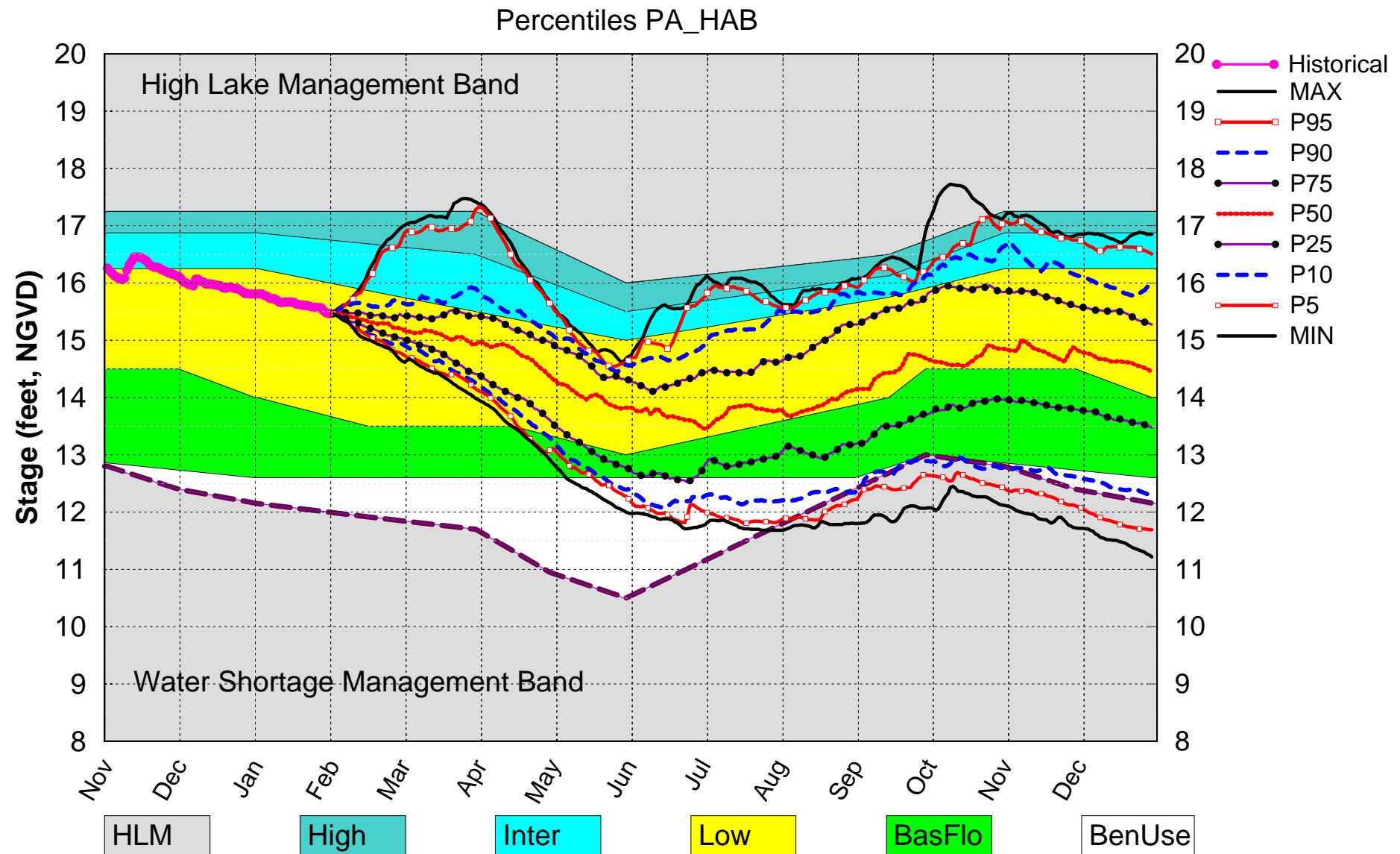
[Back to Operational Planning Main Page](#)

# Lake Okeechobee SFWMM Feb 2021 Position Analysis



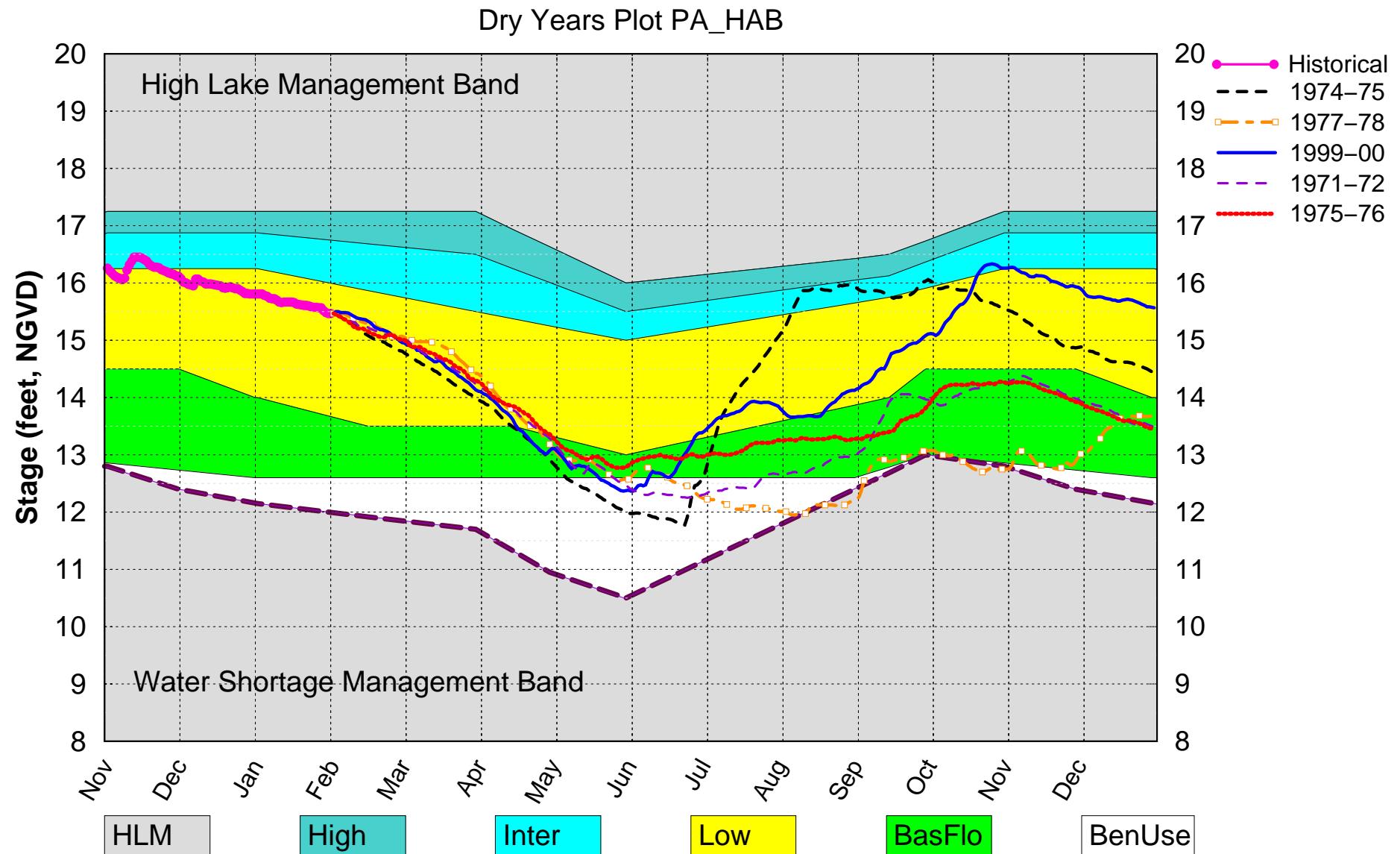
(See assumptions on the Position Analysis Results website)

# Lake Okeechobee SFWMM Feb 2021 Position Analysis



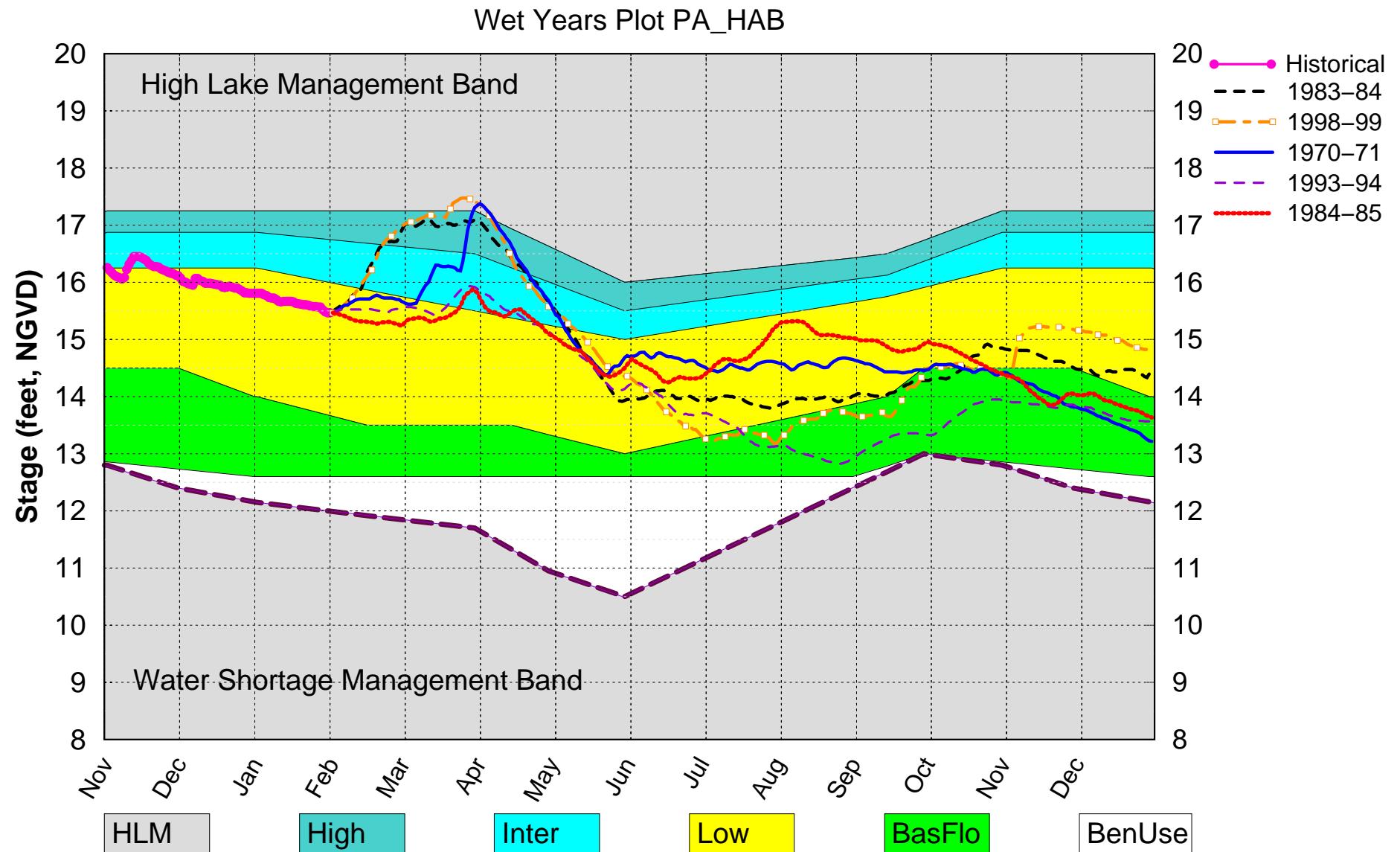
(See assumptions on the Position Analysis Results website)

# Lake Okeechobee SFWMM Feb 2021 Position Analysis



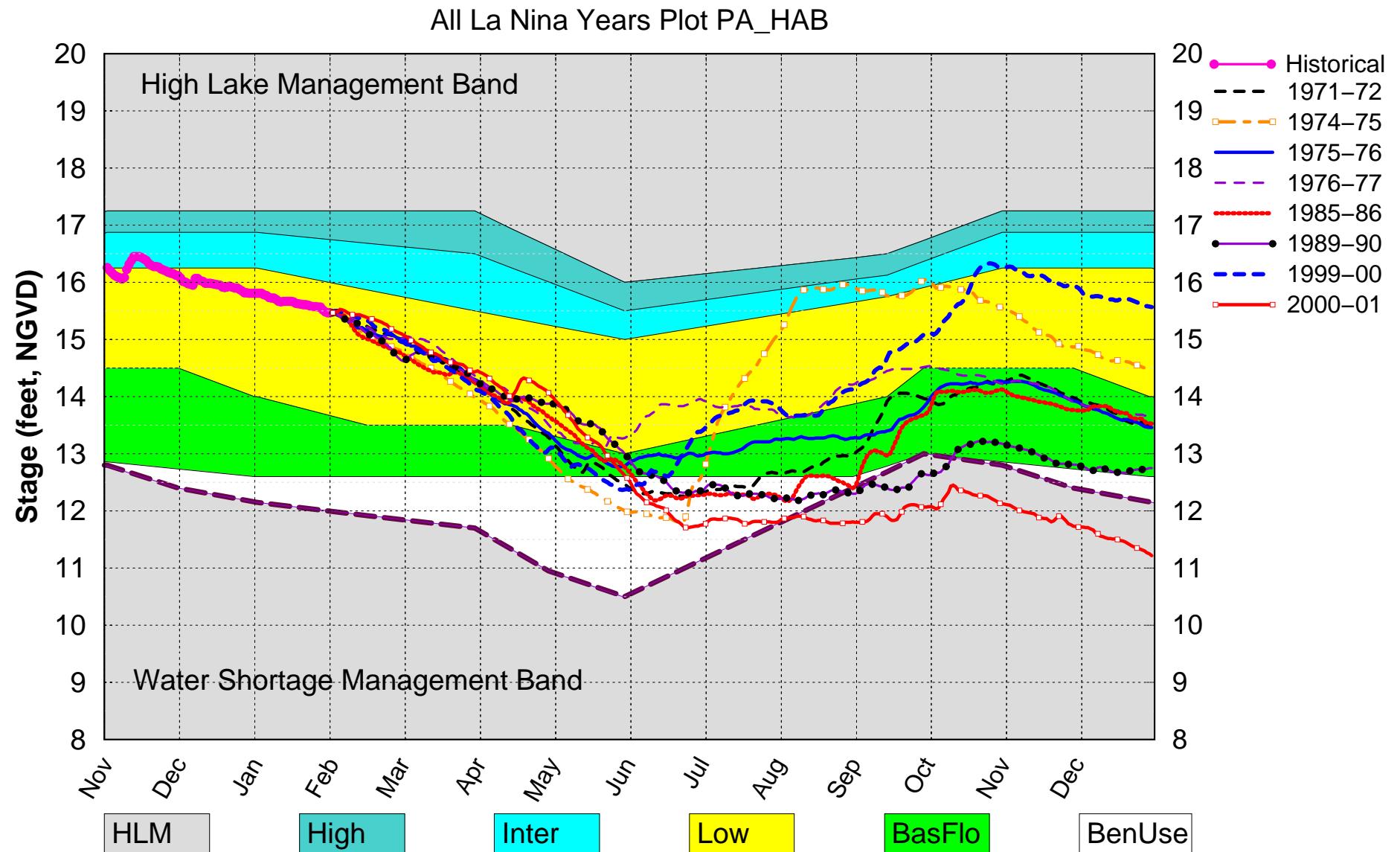
(See assumptions on the Position Analysis Results website)

# Lake Okeechobee SFWMM Feb 2021 Position Analysis



(See assumptions on the Position Analysis Results website)

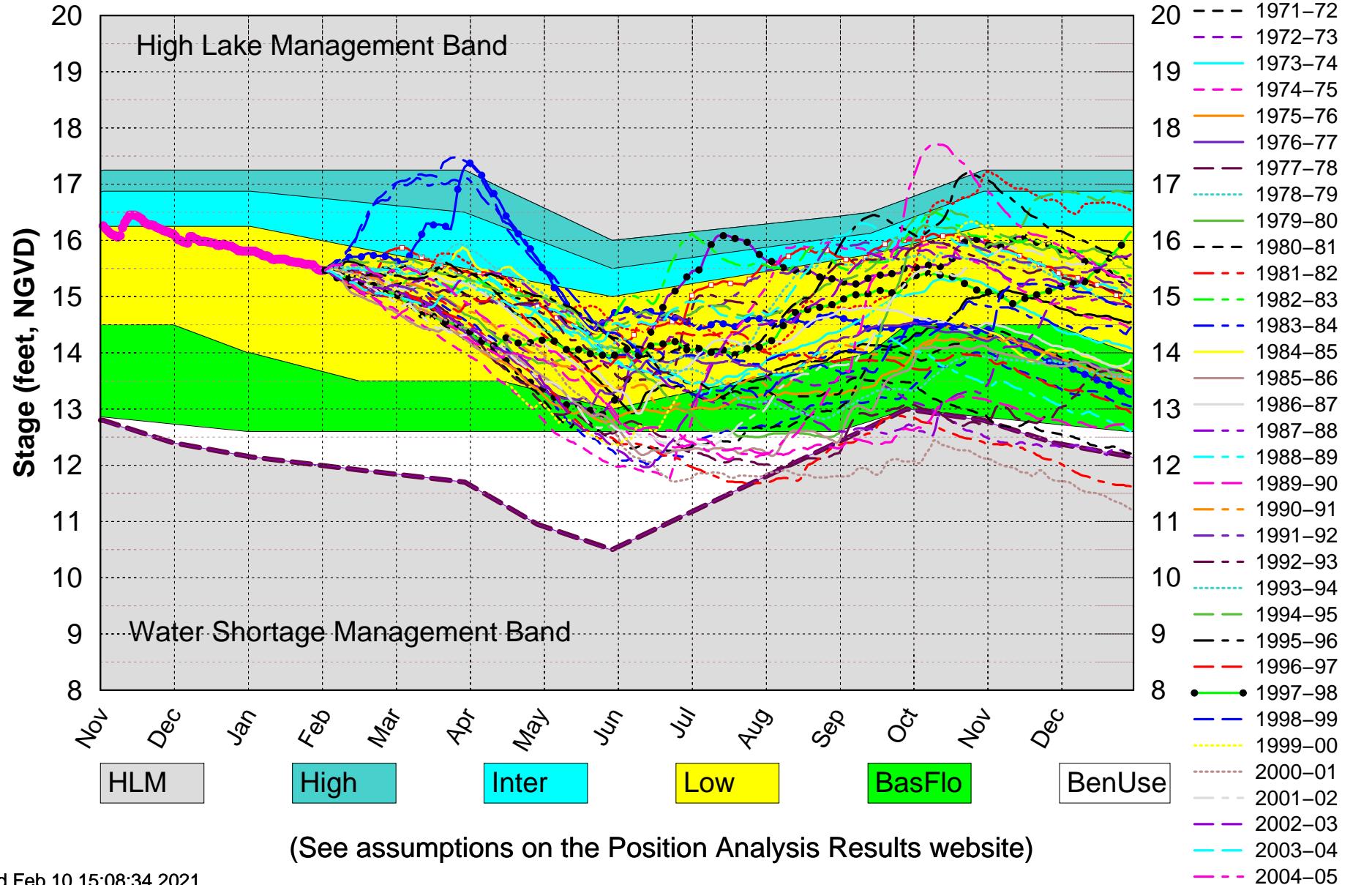
# Lake Okeechobee SFWMM Feb 2021 Position Analysis



(See assumptions on the Position Analysis Results website)

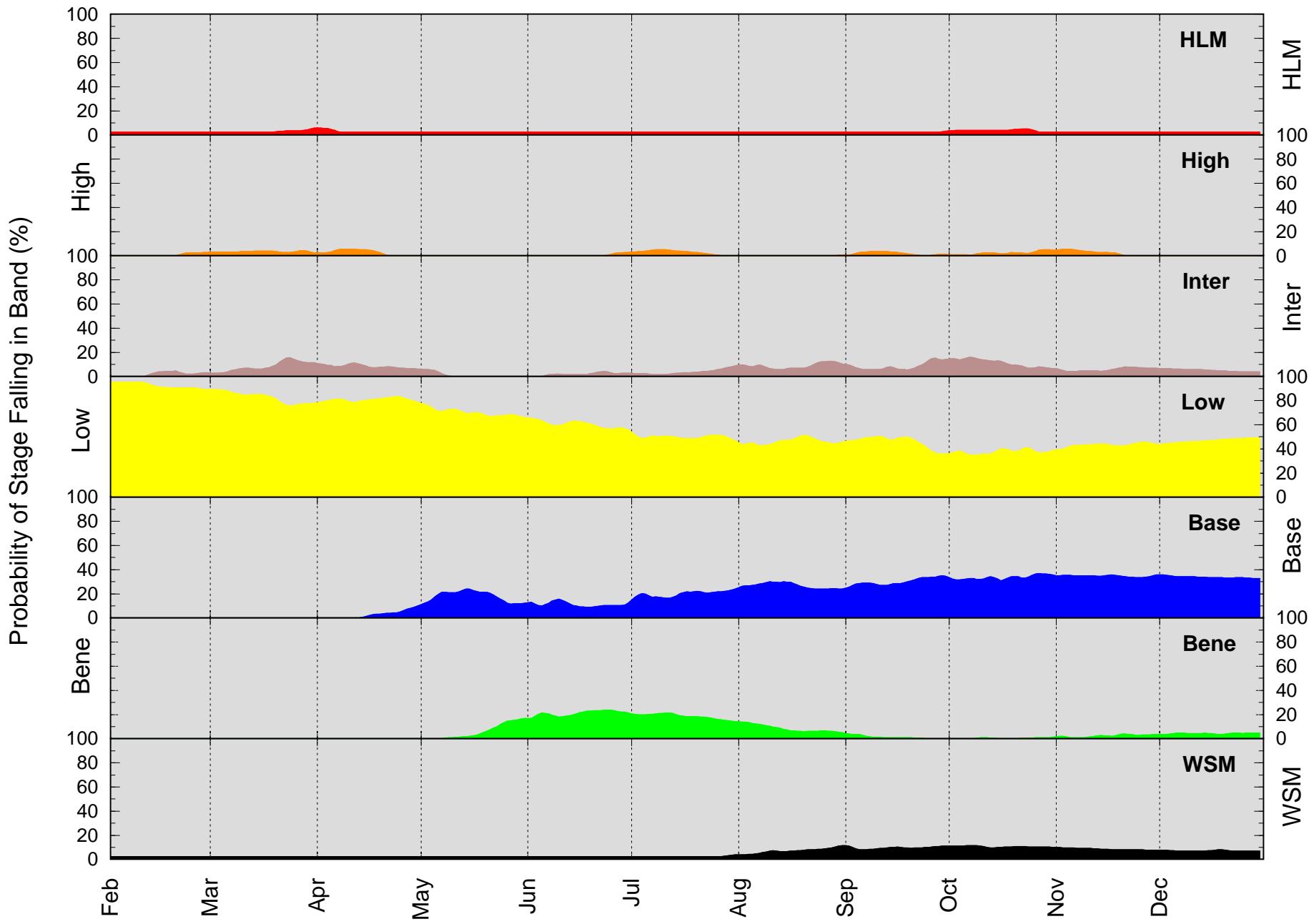
# Lake Okeechobee SFWMM Feb 2021 Position Analysis

All Simulated Years Plot PA\_HAB



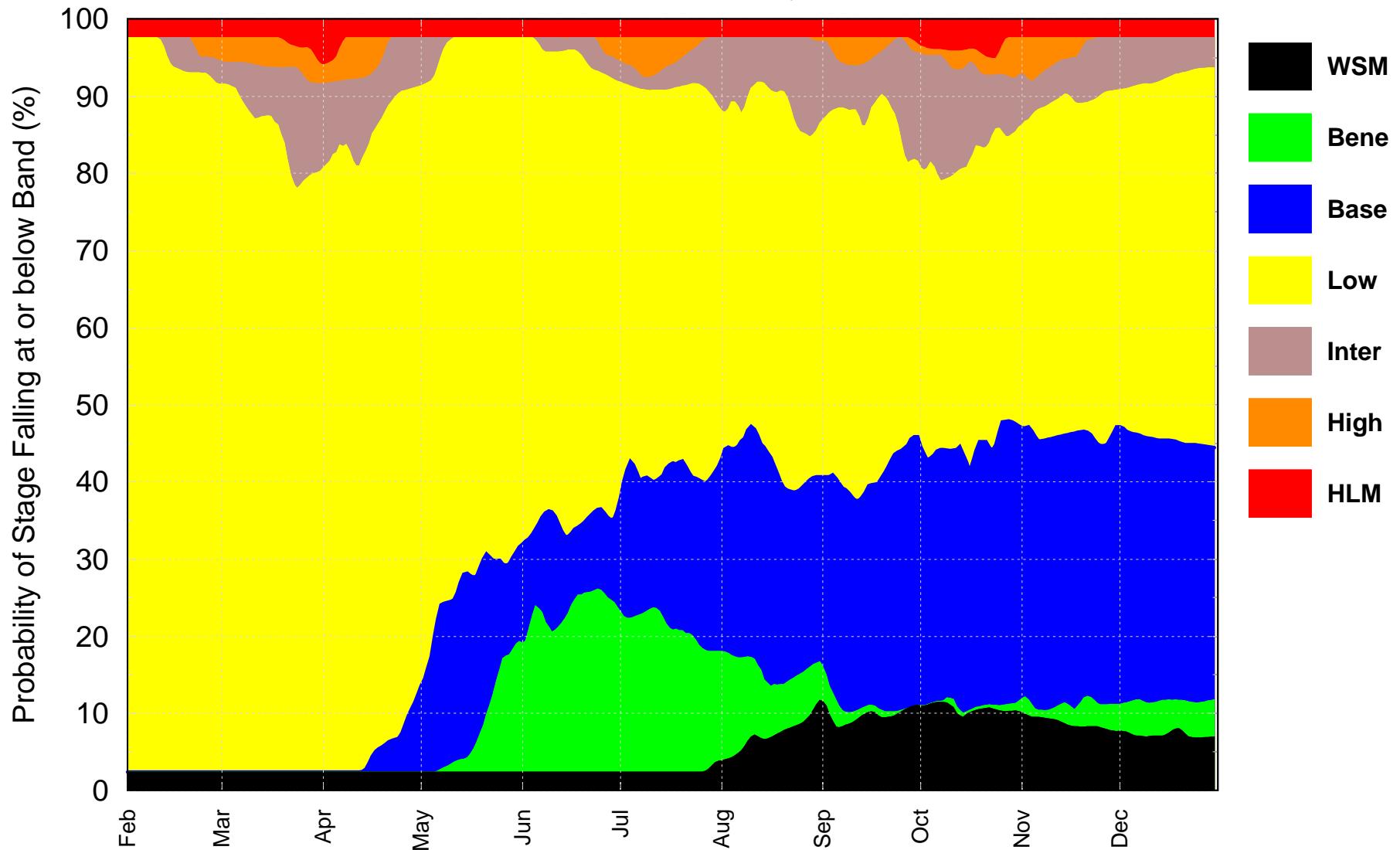
# Lake Okeechobee – Band Probabilities

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



# Lake Okeechobee – Probabilities for Operational Bands

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

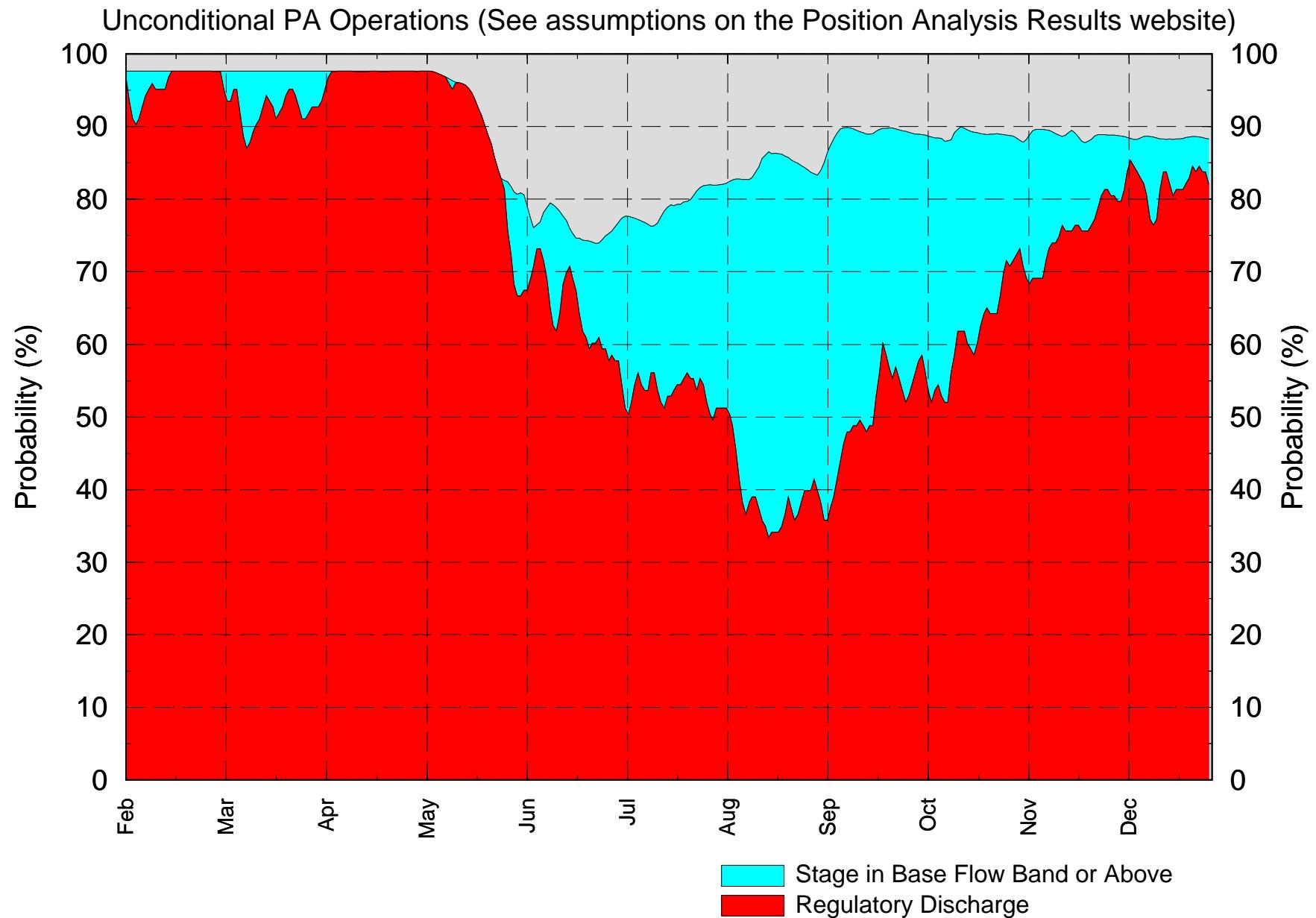


The width for each band gives the probability of stage falling in that band, as defined by the operational schedules.

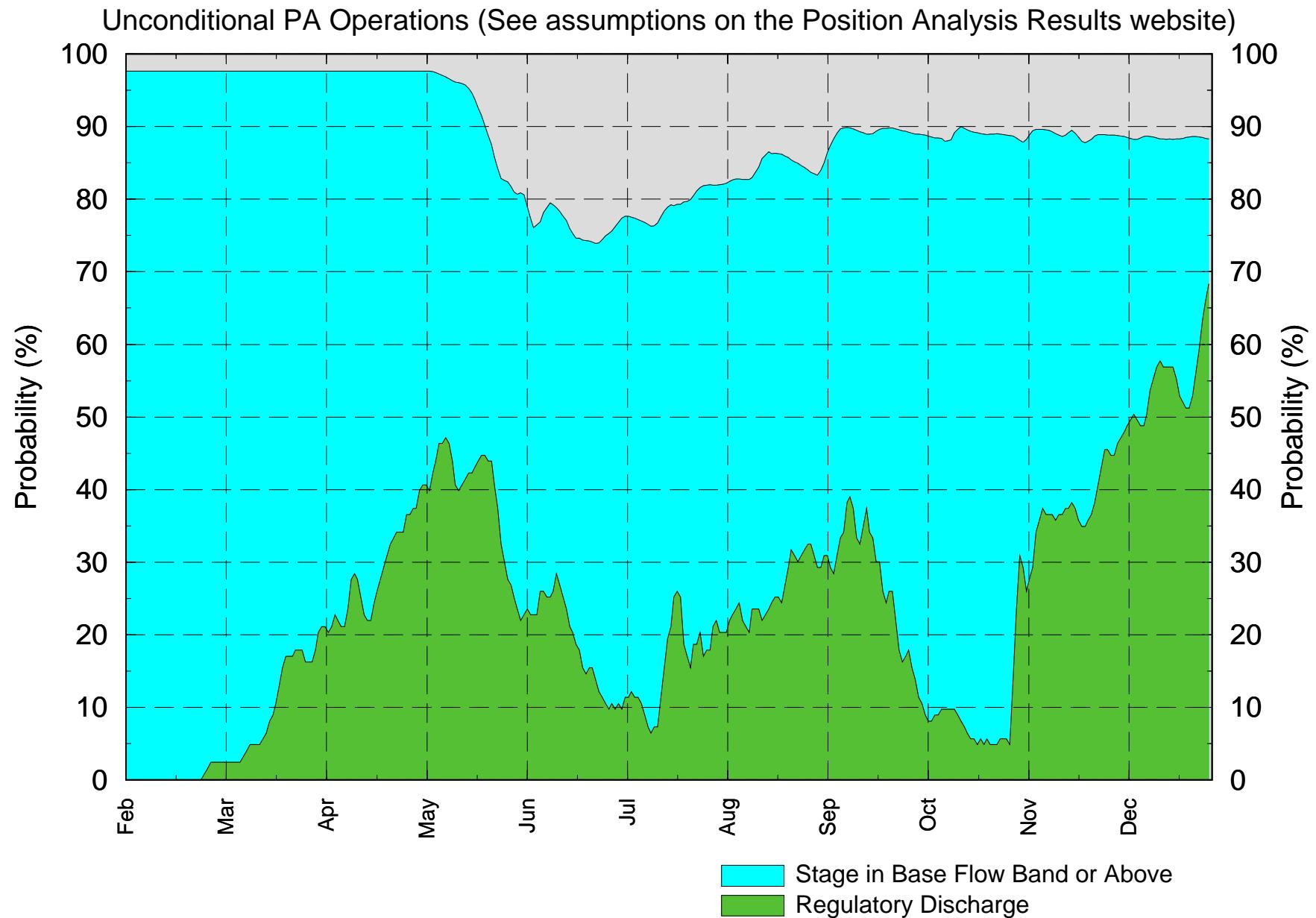
Lake Okeechobee Band Probabilities (%) at the Begining of Each Month  
 '(See assumptions on the Position Analysis Results website)'  
 Initial Stage 15.95 ft. for 01/01/2021

Date	HLM	High	Inter	Low	Base	Bene	WSM
2021 01 01	2.4	0.0	0.0	95.2	0.0	0.0	2.4
2021 02 01	2.4	0.0	0.0	95.2	0.0	0.0	2.4
2021 03 01	2.4	3.0	3.1	89.2	0.0	0.0	2.4
2021 04 01	5.8	2.6	11.4	77.9	0.0	0.0	2.4
2021 05 01	2.4	-0.0	6.4	78.6	10.2	0.0	2.4
2021 06 01	2.4	-0.0	0.0	66.1	12.2	16.9	2.4
2021 07 01	2.4	2.9	2.8	55.7	12.4	21.4	2.4
2021 08 01	2.4	0.0	9.0	46.6	24.0	14.3	3.8
2021 09 01	2.4	0.5	10.6	45.8	24.0	5.0	11.7
2021 10 01	3.2	1.1	14.1	35.7	34.8	-0.0	11.1
2021 11 01	2.4	4.9	6.7	38.7	35.6	1.4	10.2
2021 12 01	2.4	0.0	6.8	43.7	35.9	3.5	7.7

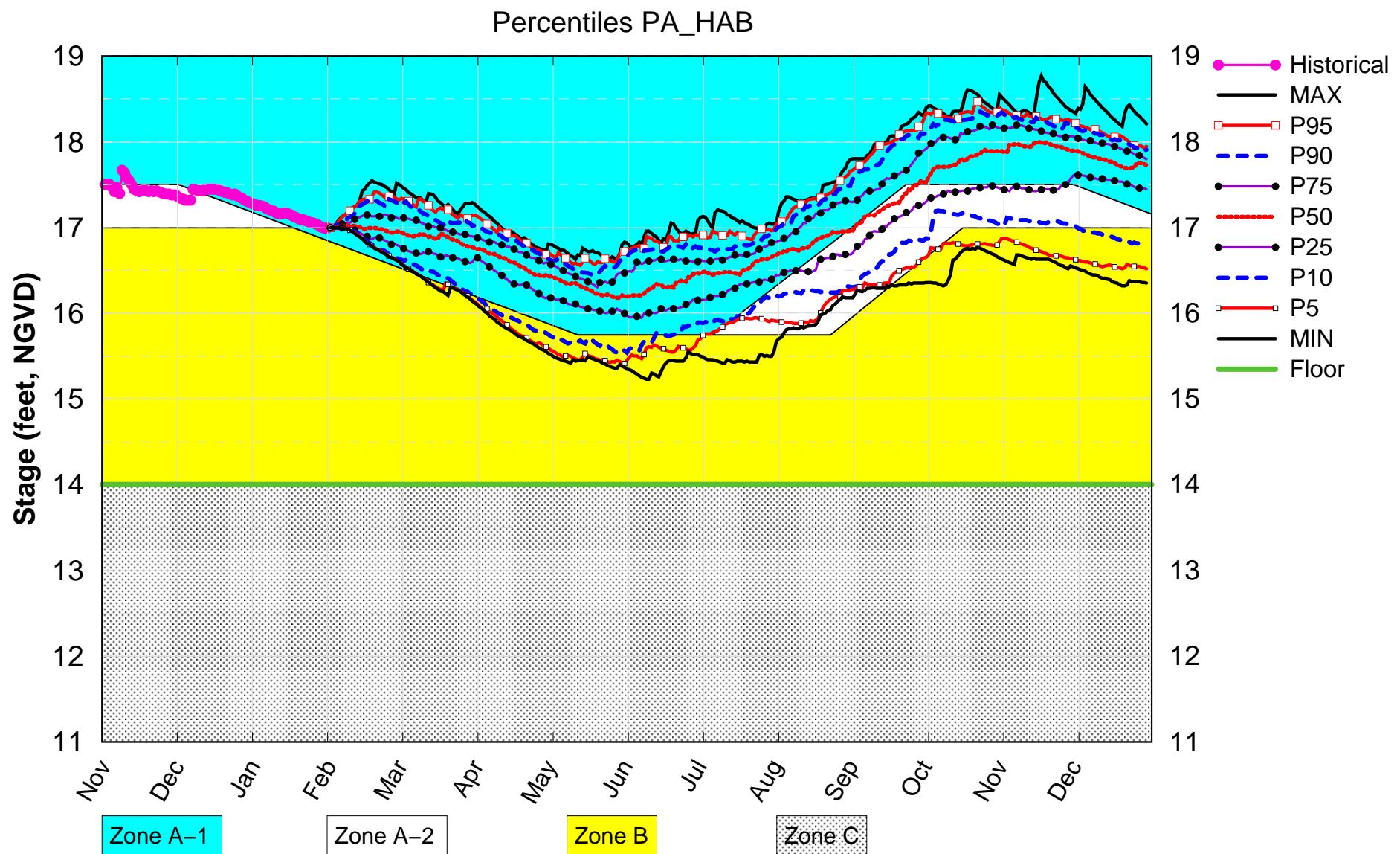
# Lake Okeechobee – LORS2008 Releases to the Estuaries



# Lake Okeechobee – LORS2008 Releases to the WCA's

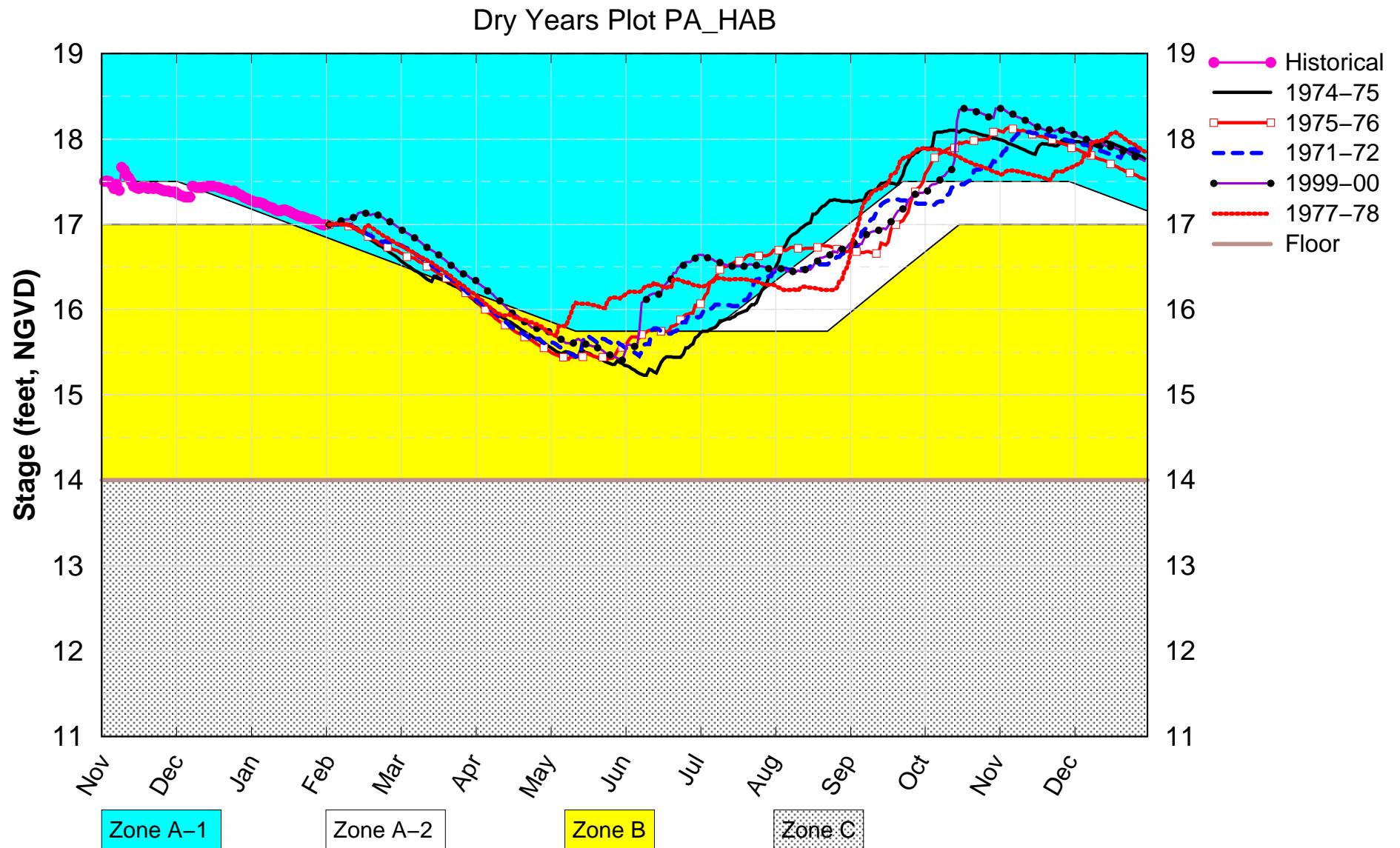


# WCA1 SFWMM Feb 2021 Position Analysis



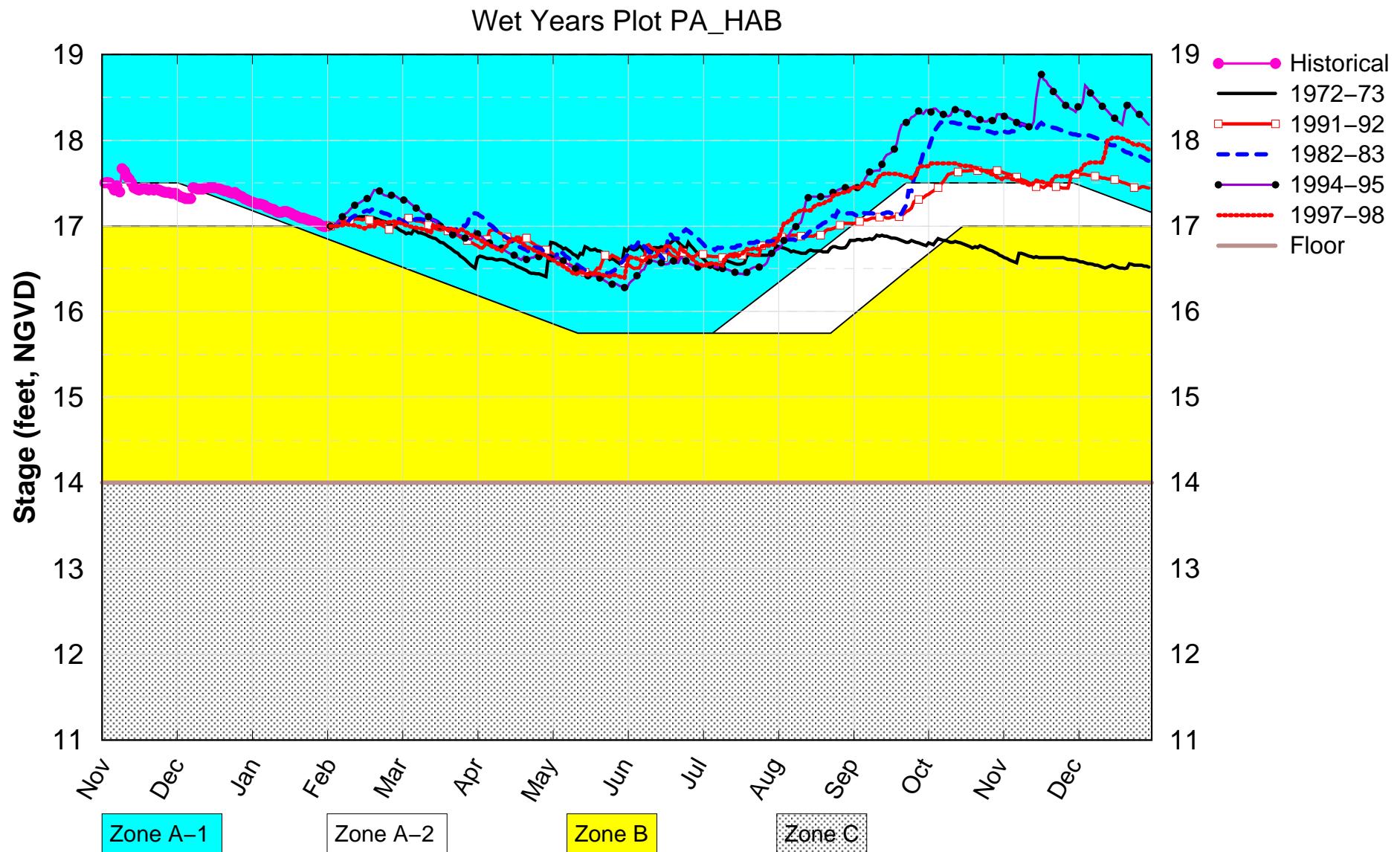
(See assumptions on the Position Analysis Results website)

# WCA1 SFWMM Feb 2021 Position Analysis



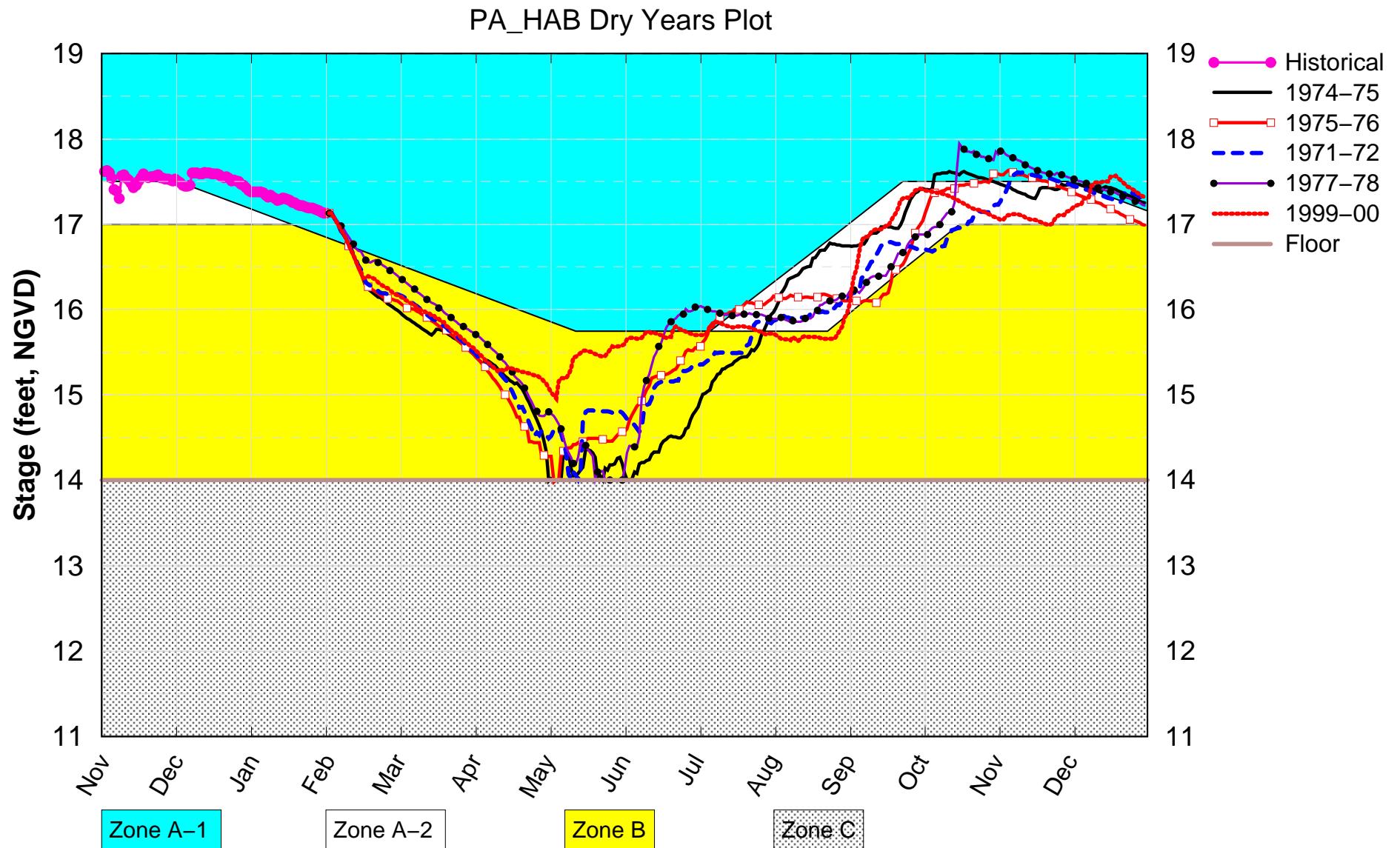
(See assumptions on the Position Analysis Results website)

# WCA1 SFWMM Feb 2021 Position Analysis



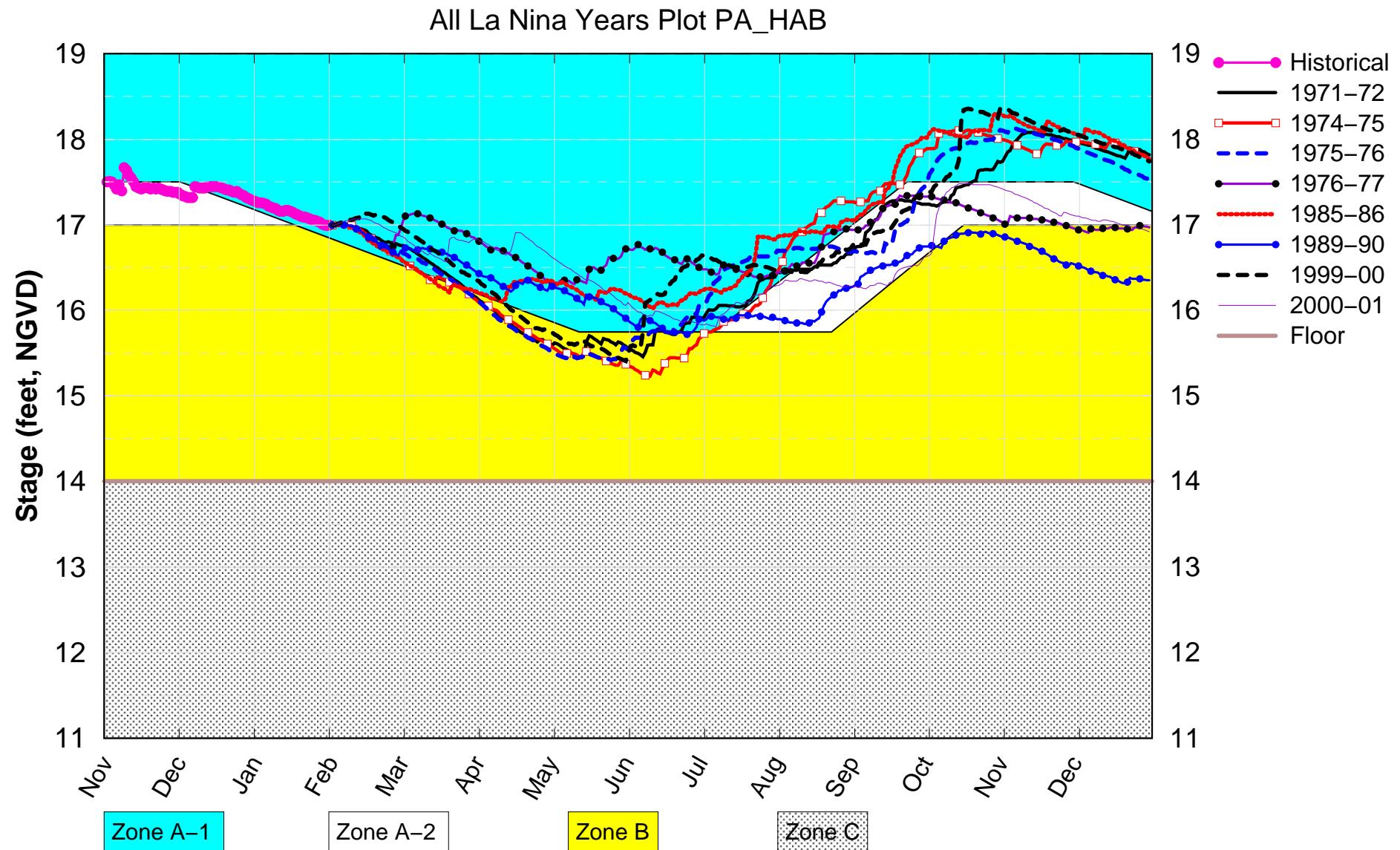
(See assumptions on the Position Analysis Results website)

# CA1 Canal SFWMM Feb 2021 Position Analysis

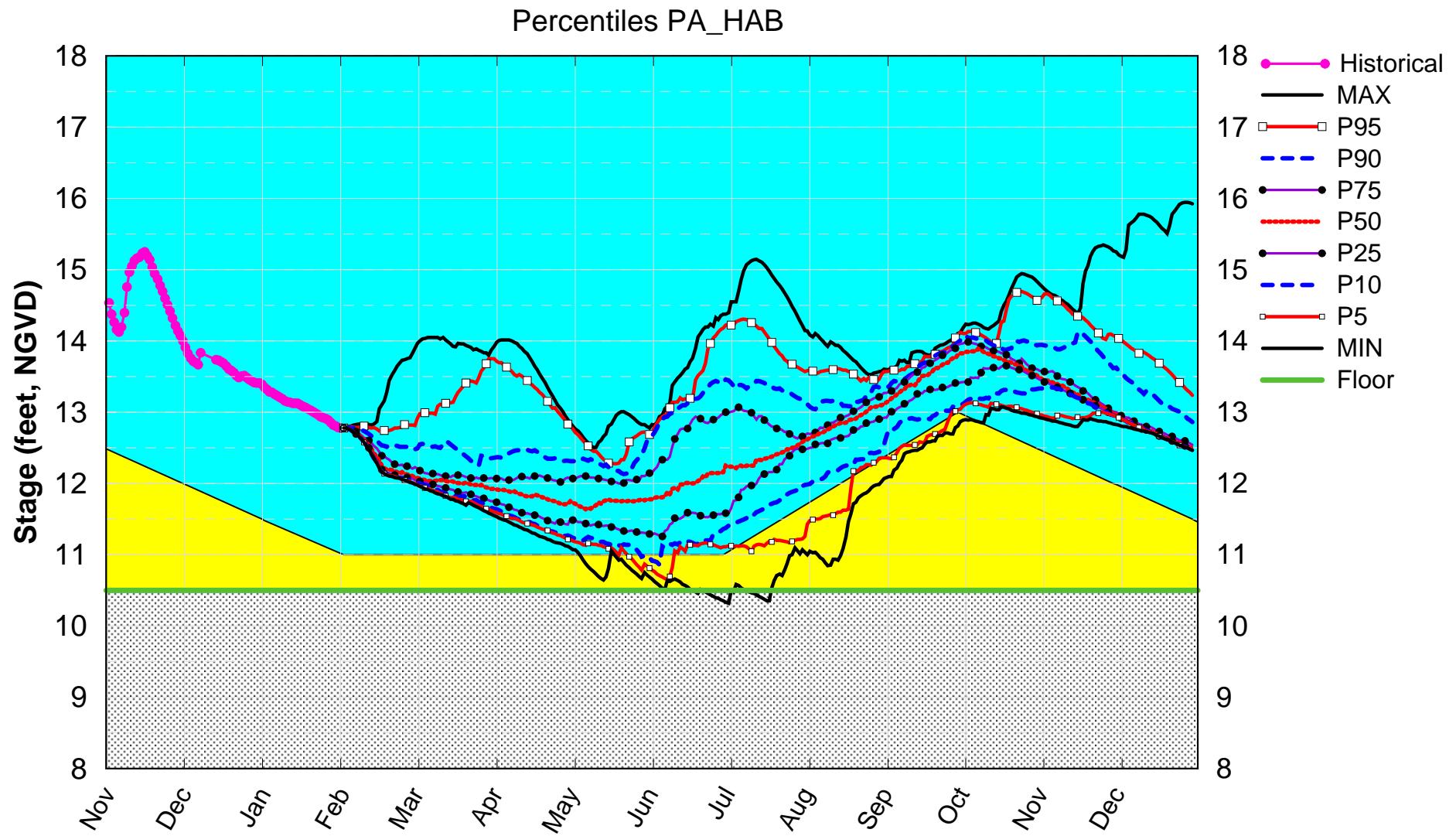


(See assumptions on the Position Analysis Results website)

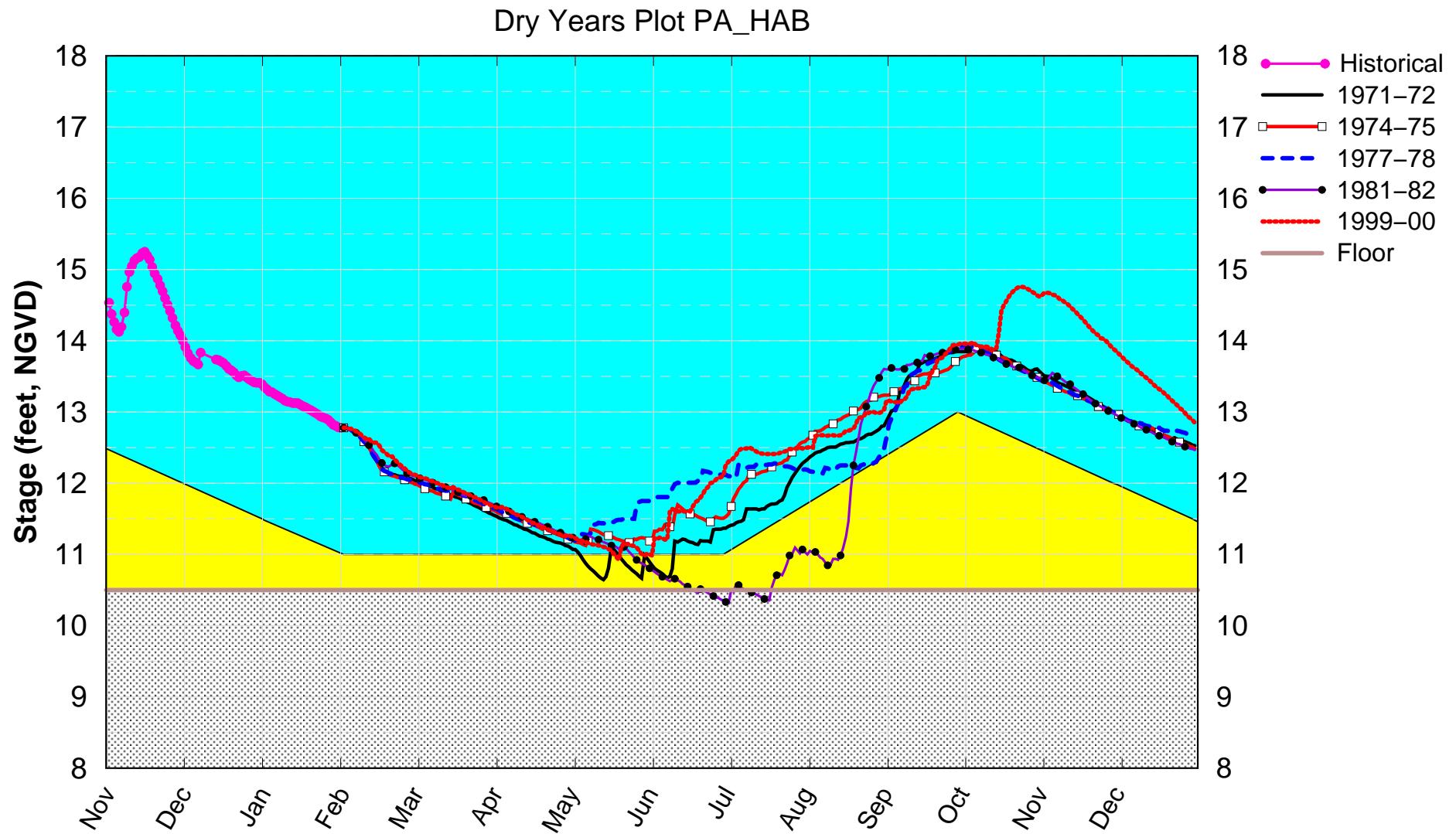
# WCA1 SFWMM Feb 2021 Position Analysis



# WCA2A SFWMM Feb 2021 Position Analysis

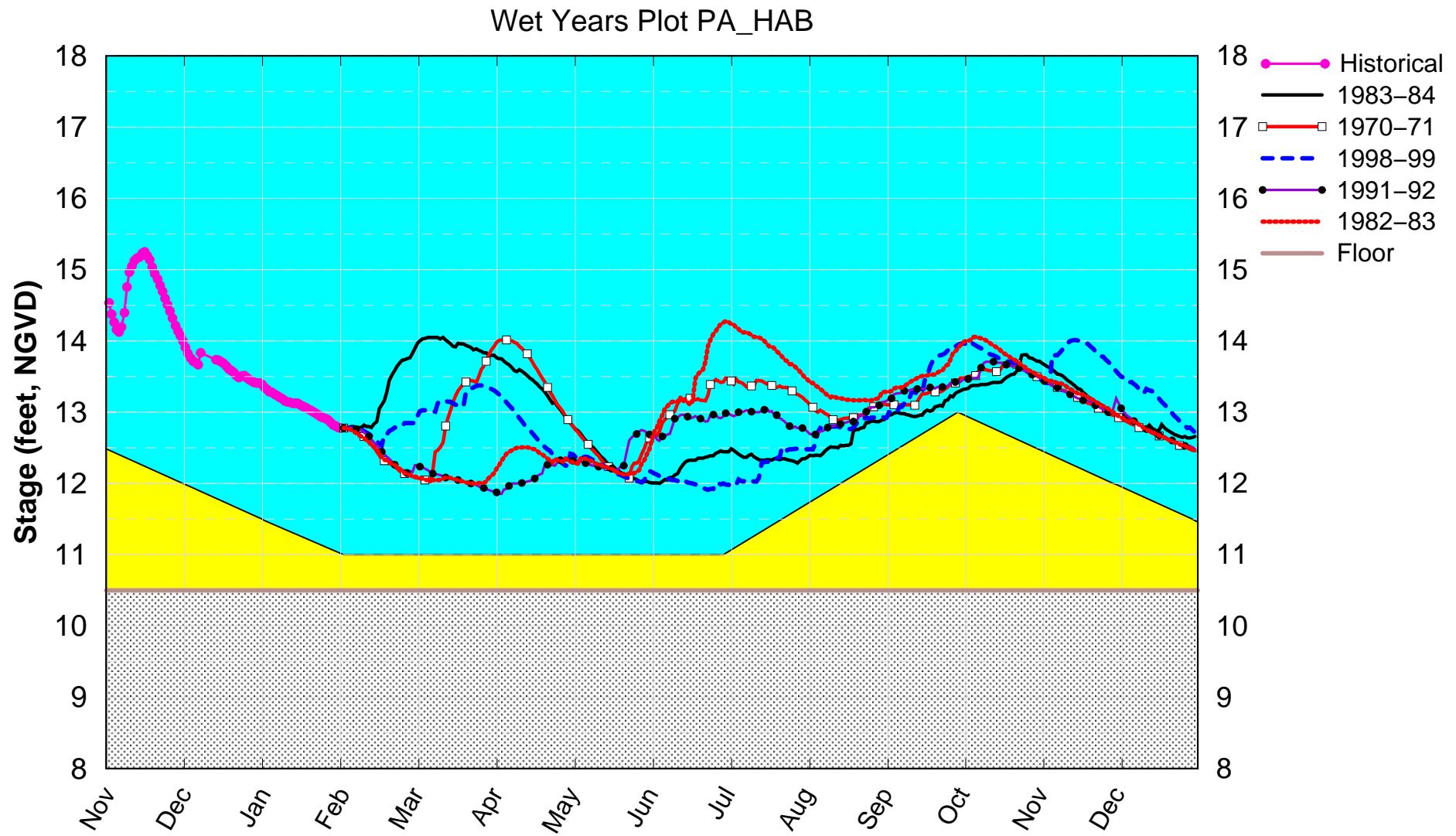


# WCA2A SFWMM Feb 2021 Position Analysis



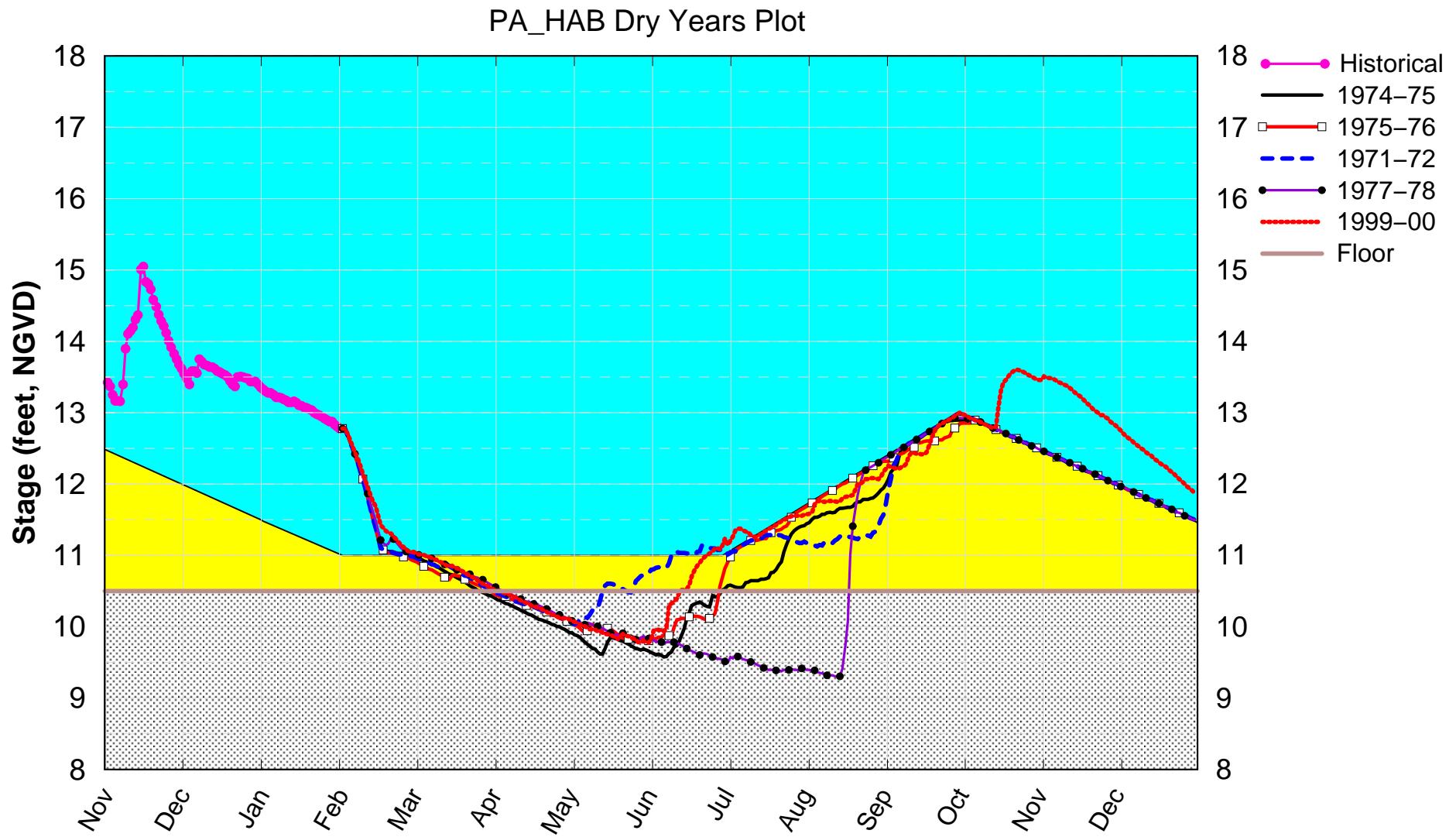
(See assumptions on the Position Analysis Results website)

# WCA2A SFWMM Feb 2021 Position Analysis



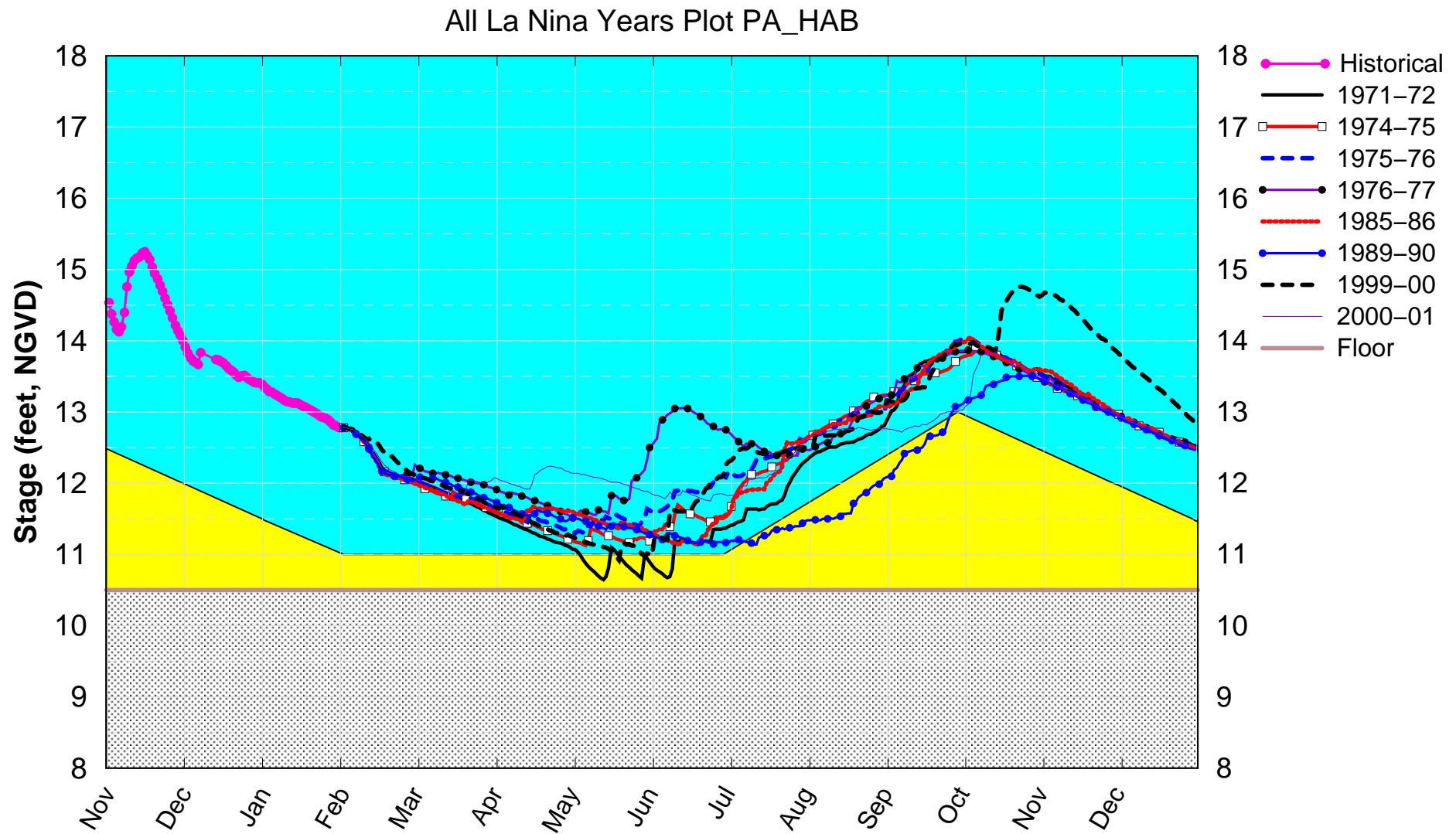
(See assumptions on the Position Analysis Results website)

# L38 Canal SFWMM FEB 2021 Position Analysis



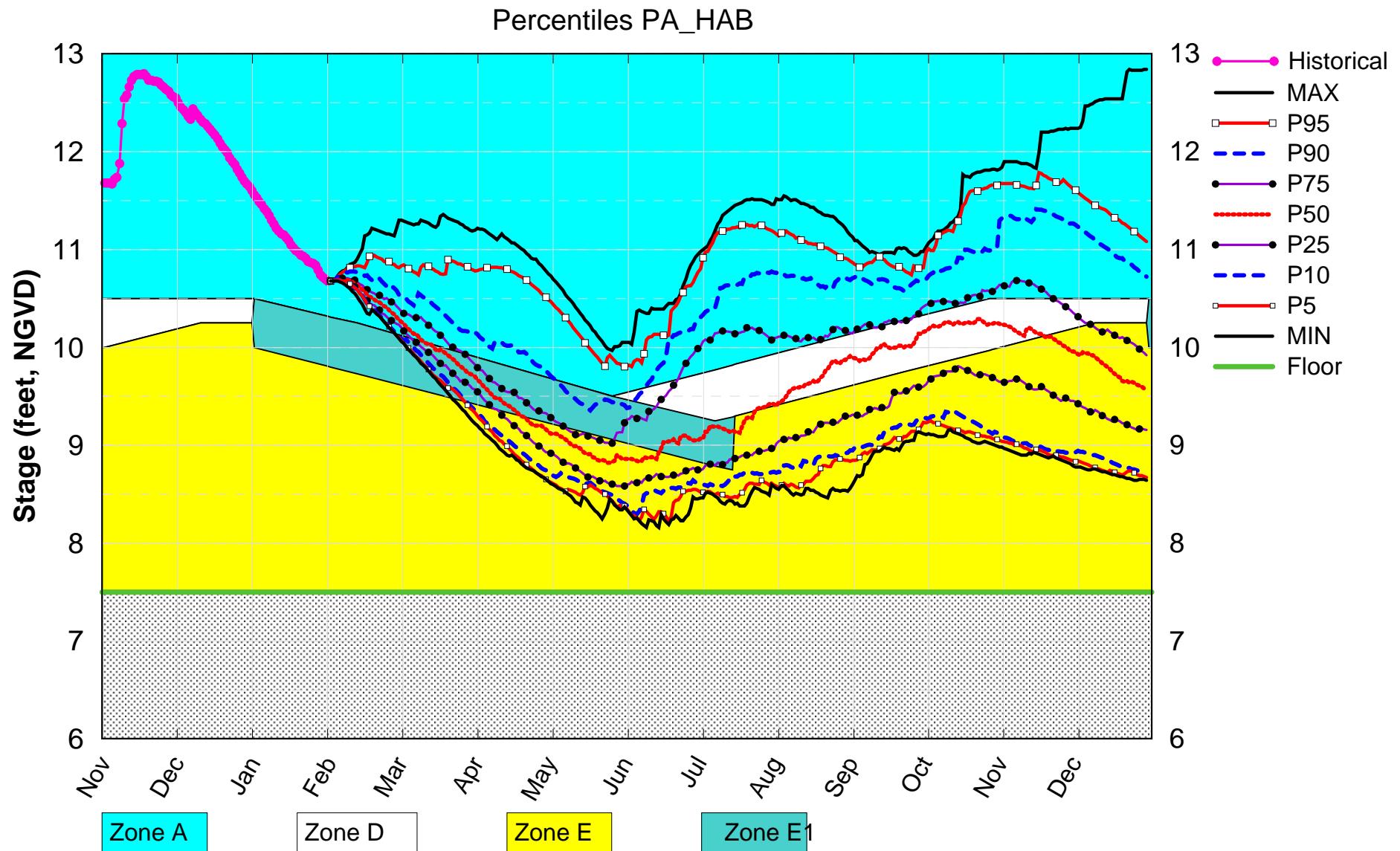
(See assumptions on the Position Analysis Results website)

# WCA2A SFWMM Feb 2021 Position Analysis



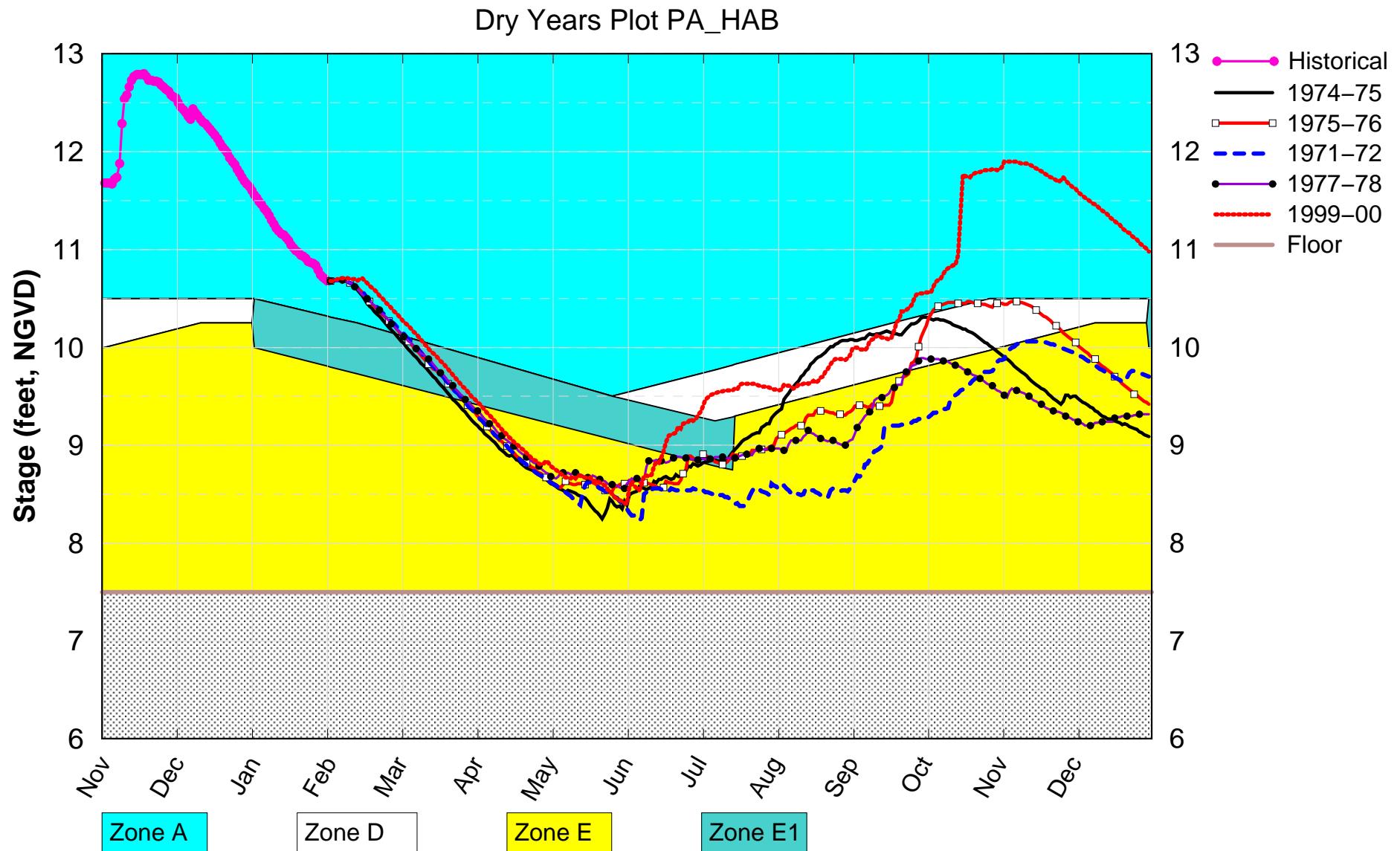
(See assumptions on the Position Analysis Results website)

# WCA3A SFWMM FEB 2021 Position Analysis



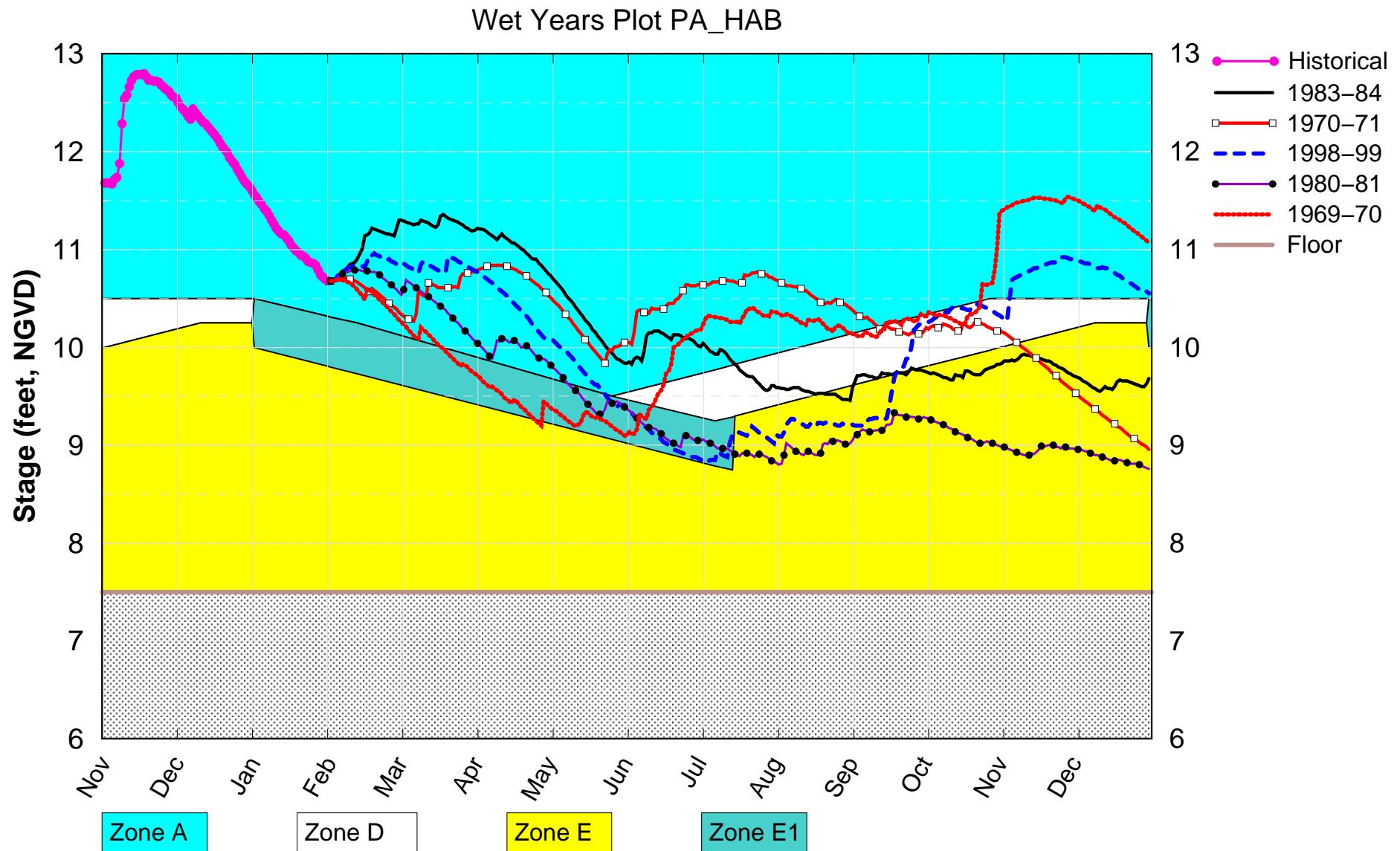
(See assumptions on the Position Analysis Results website)

# WCA3A SFWMM FEB 2021 Position Analysis



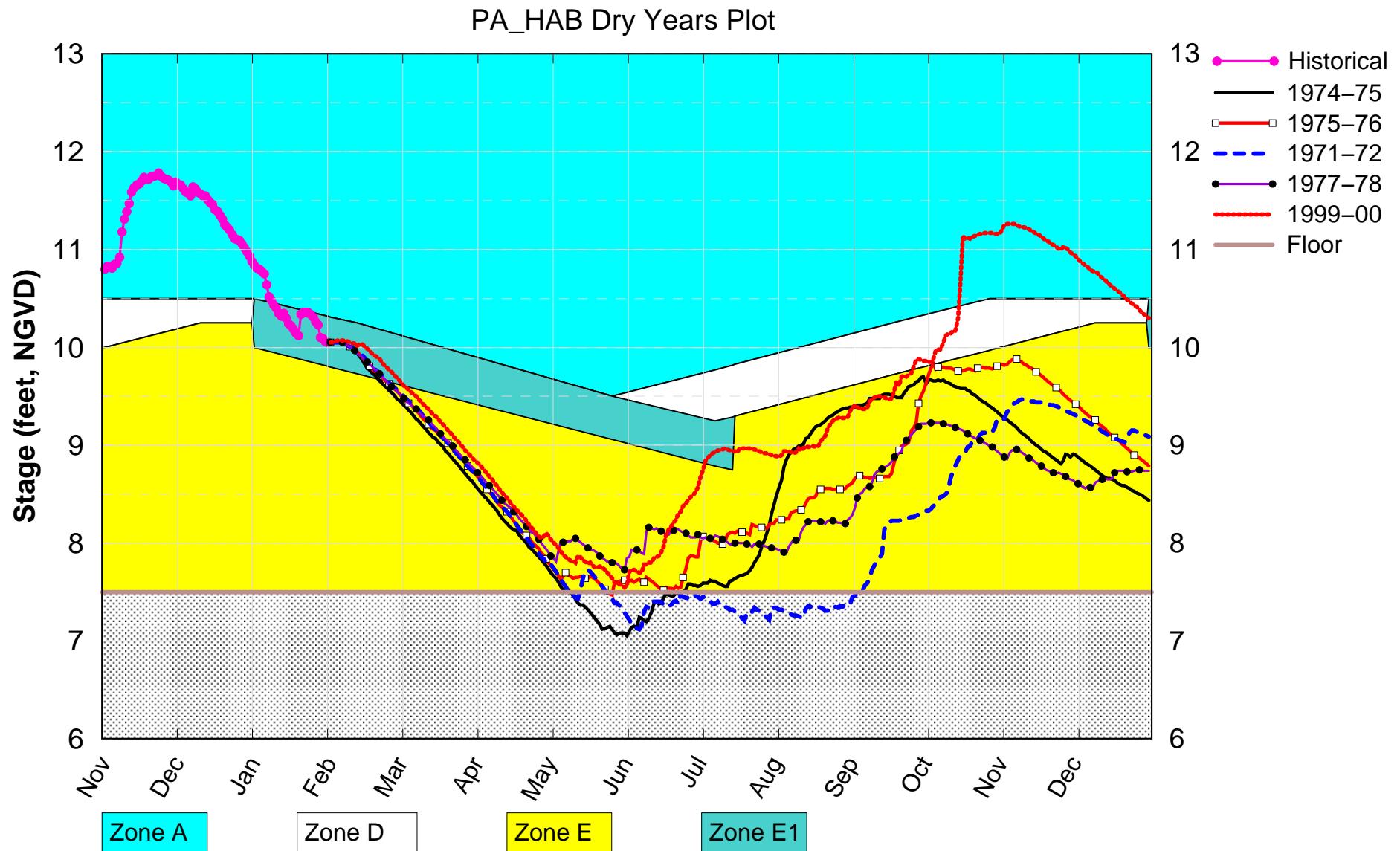
(See assumptions on the Position Analysis Results website)

# WCA3A SFWMM FEB 2021 Position Analysis



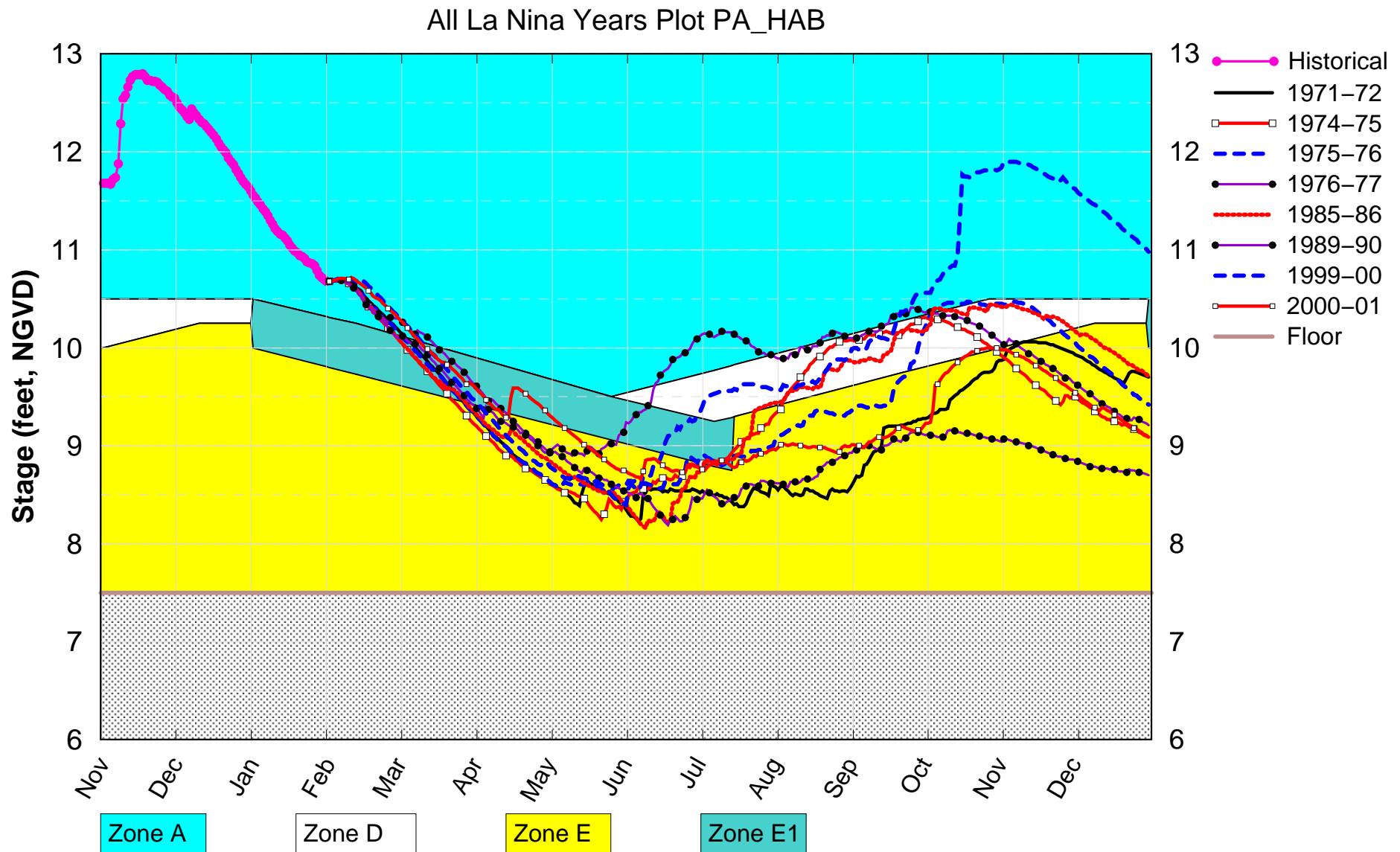
(See assumptions on the Position Analysis Results website)

# CA3 Canal SFWMM Feb 2021 Position Analysis



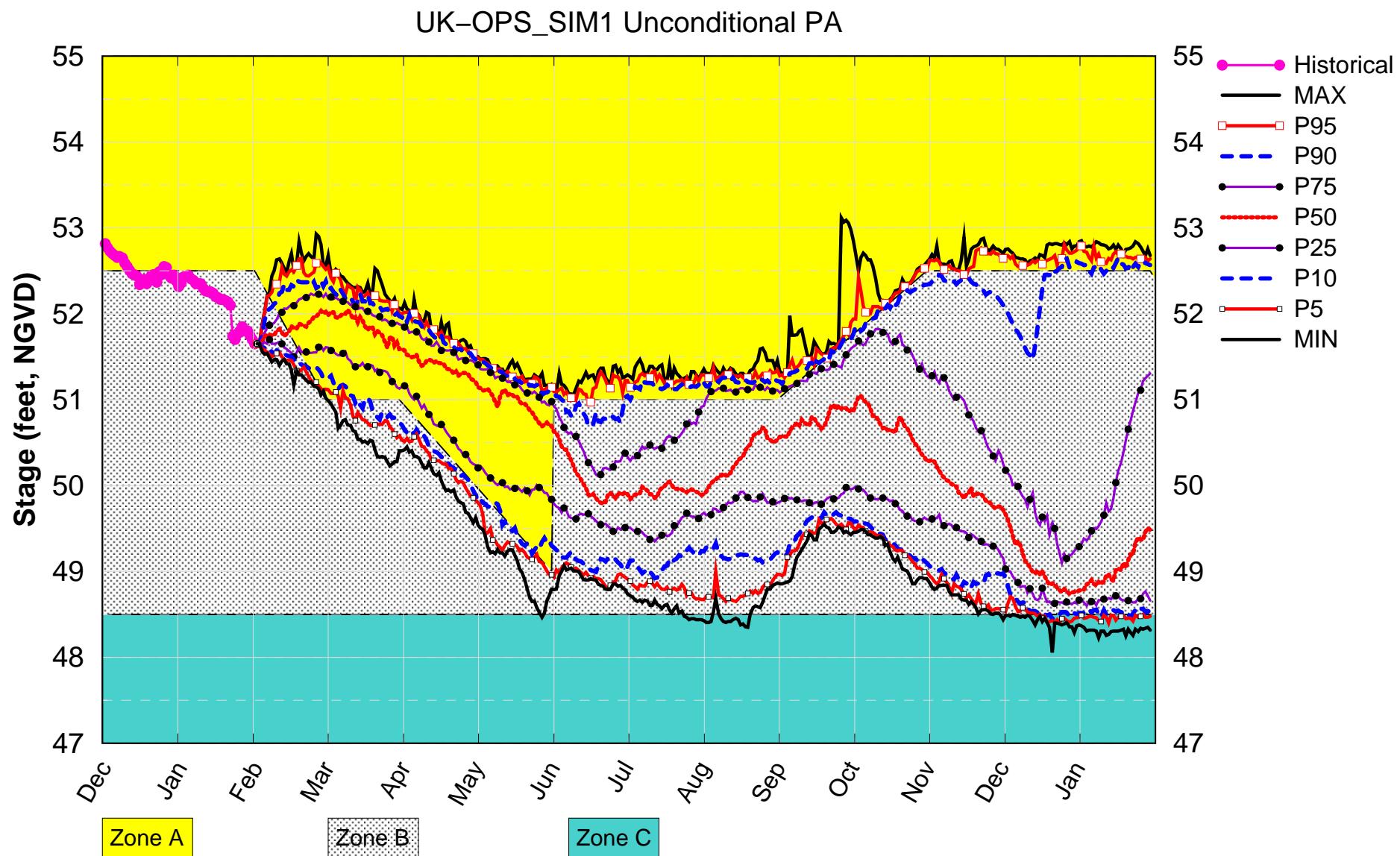
(See assumptions on the Position Analysis Results website)

# WCA3A SFWMM FEB 2021 Position Analysis



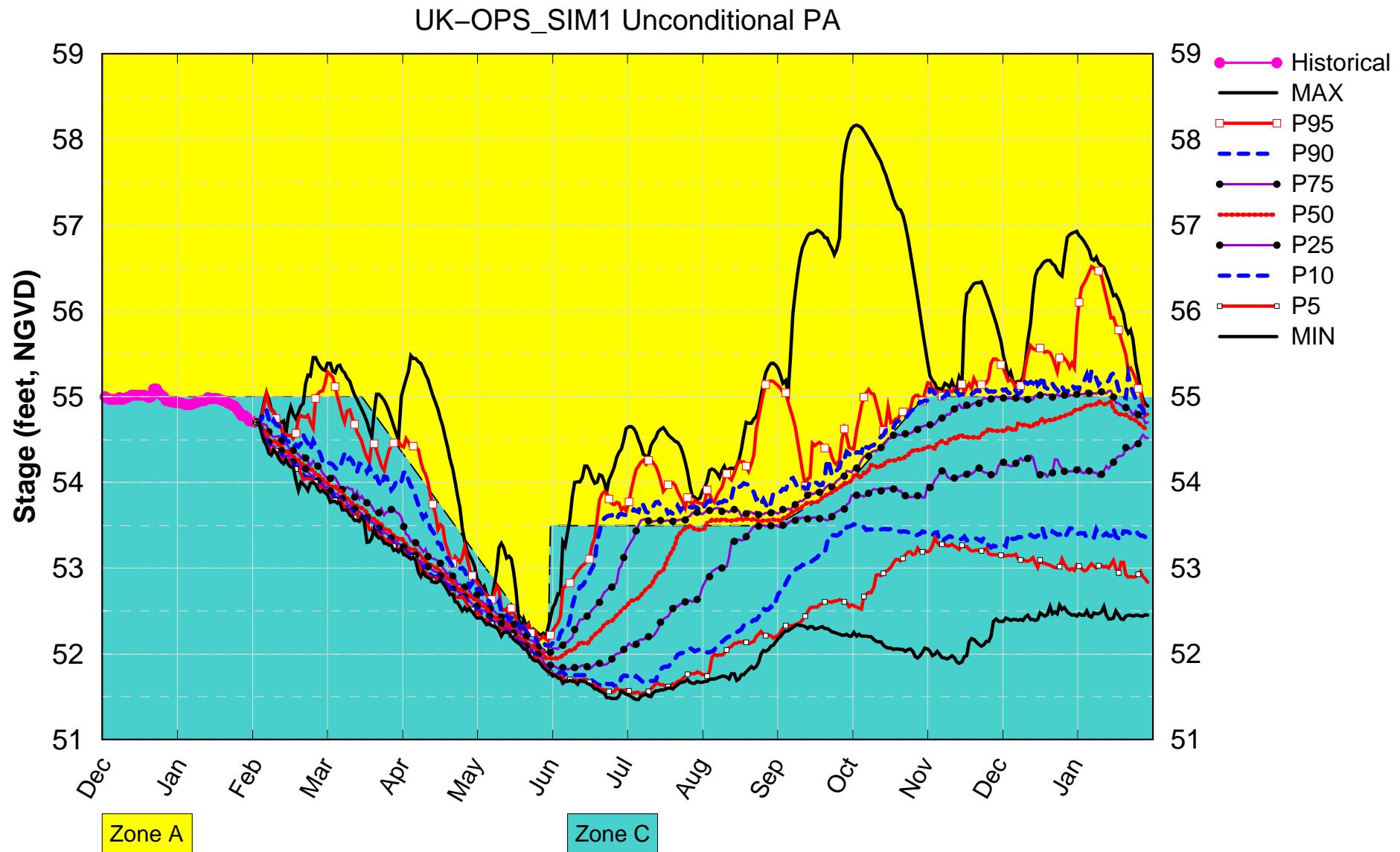
(See assumptions on the Position Analysis Results website)

# S65 UK-OPS Feb 1 2021 Position Analysis



(See assumptions on the Position Analysis Results website)

# S61 UK-OPS Feb 1 2021 Position Analysis



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

AREA stage(ft)	:Canal Name	:SFWMM Name	:Location	:SFWMD sensor
WPB	:C-18	:C18	:G92-H	: 13.30
WPB	:C-17	:C17	:S44-H	: 6.46
WPB	:C-51W	:C51W	:S5AE-T	: 12.45
WPB	:C-51	:C51	:S155-H	: 8.08
WCA	:WCA-1 L-40	:CA1	:1-8C	: MISS
FTLD	:Hillsboro Canal	:HLSB	:G56-H	: 7.90
WCA	:WCA-2A L-38	:L38	:S11B-H	: 12.78
WCA	:WCA-2A L-39	:CA2A	:S10A-T	: 12.88
FTLD	:C-14	:C14	:S37B-H	: 6.32
FTLD	:C-14E	:C14E	:S37A-H	: 4.11
FTLD	:Pompano	:POMP	:G57-H	: 4.71
FTLD	:C-12	:C12	:S33-H	: 3.67
FTLD	:C-13	:C13	:S36-H	: 4.80
FTLD	:North New River Canal	:NNRC	:G54-H	: 4.50
MIAMI	:L-33	:L33	:S30-H	: 6.27
MIAMI	:C-304	:C304	:S31-H	: 8.66
MIAMI	:C-9	:C9	:S29-H	: 2.34
MIAMI	:C-9 DEN	:C9DEN	:S29-H	: 2.34
MIAMI	:C-8	:C8	:S28-H	: 1.95
MIAMI	:C-7	:C7	:S27-H	: 1.88
MIAMI	:C-6	:C6	:S26-H	: 2.79
MIAMI	:C-2/C-4	:C4	:S25B-H	: 2.76
MIAMI	:L-30	:L30	:S335-H	: 6.79
WCA	:WCA-3A L-29	:CA3	:S333-H	: 10.05
WCA	:S-12A	:S12AD	:S12A-T	: 84.80
WCA	:S-12B	:S12BD	:S12B-T	: 90.30
WCA	:S-12C	:S12CD	:S12C-T	: 10.02
WCA	:S-12D	:S12DD	:S12D-T	: MISS
MIAMI	:L-29	:L29	:S334-H	: 8.19
MIAMI	:C-100C	:C100C	:S119-H	: 2.61
MIAMI	:C-100	:C100	:S118-H	: 2.70
MIAMI	:C-100A	:C100A	:S123-H	: 2.43
HMST	:C-1/S-148	:S148U	:S148-H	: 3.14
HMST	:L-31N	:L31N	:S331-H	: 2.64
HMST	:C-1N	:C1N	:S149-H	: MISS
MIAMI	:S-21	:S21	:S21-H	: 1.99
HMST	:L-31S	:L31S	:S176-H	: 4.17
MIAMI	:C-102N	:C102N	:S21A-H	: 1.42
HMST	:C-102	:C102	:S165-H	: 2.98
MIAMI	:C-103S	:C103S	:S167-H	: 2.81
HMST	:C-103N	:C103N	:S166-H	: MISS
HMST	:C-103	:S179	:S179-H	: 2.05
HMST	:L-31W	:L31W	:S332-H	: MISS
HMST	:C-111	:C111	:S177-H	: 3.08
HMST	:CNO	:CNO	:S179-H	: 2.05
HMST	:C-111E	:C111E	:S18C-H	: 2.40
HMST	:S-197	:S197	:S197-H	: 2.35
EAA	:L-23E	:L23E	:S8-T	: 10.96
EAA	:C-60	:C60	:S140-T	: 11.16

SFWMM	Name	col	row	STAGE	Source	Data	match	domain	match	areas
1-7		31	48	16.99	USACE		PA	CA1		
1-8T		34	47	16.99	USACE		PA	CA1		
1-9		33	46	17.01	USACE		PA	CA1		
2-17		29	40	12.78	USACE		PA	CA2		
2-159		28	43	13.17	SFWMD-ARDAMS		PA	CA2		
3-99		30	35	10.88	USACE			CA2		
3A-2		18	36	11.39	USACE		PA	CA3		
3A-3		25	37	10.86	USACE		PA	CA3		
3A-28		19	24	10.22	USACE		PA	CA3		
3A-4		21	29	10.97	USACE		PA	CA3		
3A-NW		18	40	12.04	SFWMD-ARDAMS			CA3		
3A-NE		23	40	10.87	SFWMD-ARDAMS			CA3		
3A-SW		16	30	10.73	SFWMD-ARDAMS			CA3		
3A-S		20	33	10.90	SFWMD-ARDAMS			CA3		
3-76		27	30	8.76	USACE					
3-71		24	26	8.85	USACE					
SHARK		24	23	8.72	USACE			CA3		
3BS1W		26	23	8.36	SFWMD-ARDAMS					
HOLY1		19	45	11.86	SFWMD-ARDAMS			WMA		
HOLY2		21	42	11.86	SFWMD-ARDAMS			WMA		
ROTTN		15	46	13.67	SFWMD-OPERATIONS			WMA		
ROTTS		16	43	13.73	SFWMD-OPERATIONS			WMA		
NP205		15	20	6.78	USACE			ENP		
NP201		19	21	8.60	USACE			ENP		
NP36		17	14	5.20	USACE			ENP		
NP38		16	9	2.44	USACE			ENP		
NP46		17	7	1.90	USACE			ENP		
NP67		22	7	2.84	USACE					
NP33		20	17	7.24	USACE			ENP		
NP34		13	17	4.05	USACE			ENP		
NP44		19	11	4.83	USACE			ENP		
NP206		21	15	6.92	USACE			ENP		
NESR2		25	21	7.83	USACE			ENP		
THSO		23	9	4.74	USACE					
RG2		23	15	6.82	USACE			ENP		
G3273		24	17	7.42	USACE		PA	ENP		
ANGEL		25	17	6.81	USACE		PA			
ANGEL		26	17	6.81	USACE		PA			
EVER4		25	8	2.55	USACE		PA	SA3		
E112		23	10	5.57	USACE			ENP		
G620		18	19	7.53	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 15.95 ft. for 01/01/2021

Date	HLM	High	Inter	Low	Base	Bene	WSM
2021 01 01	2.4	0.0	0.0	95.2	0.0	0.0	2.4
2021 02 01	2.4	0.0	0.0	95.2	0.0	0.0	2.4
2021 03 01	2.4	3.0	3.1	89.2	0.0	0.0	2.4
2021 04 01	5.8	2.6	11.4	77.9	0.0	0.0	2.4
2021 05 01	2.4	-0.0	6.4	78.6	10.2	0.0	2.4
2021 06 01	2.4	-0.0	0.0	66.1	12.2	16.9	2.4
2021 07 01	2.4	2.9	2.8	55.7	12.4	21.4	2.4
2021 08 01	2.4	0.0	9.0	46.6	24.0	14.3	3.8
2021 09 01	2.4	0.5	10.6	45.8	24.0	5.0	11.7
2021 10 01	3.2	1.1	14.1	35.7	34.8	-0.0	11.1
2021 11 01	2.4	4.9	6.7	38.7	35.6	1.4	10.2
2021 12 01	2.4	0.0	6.8	43.7	35.9	3.5	7.7

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 - February 1, 2021 DPA Final LOK Stage 15.47

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

Year	Mon	SSM			Convey.			% Total Cutback	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Cutback Convey.	Total Cutback
1965	10	0	0	0.89	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	46.31	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	40.03	0.00	0.00	0.00	0.00	0.00
1966	1	0	0	45.54	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	15.75	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	62.87	0.00	0.00	0.00	0.00	0.00
1966	4	0	0	58.31	0.00	0.00	0.00	0.00	0.00
1966	5	0	0	49.50	0.00	0.00	0.01	0.01	0.01
1966	6	0	0	5.82	0.00	0.00	0.00	0.00	0.00
1966	7	0	0	0.01	0.00	0.00	0.00	0.00	0.00
1966	8	0	0	0.87	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

Year	Mon	SSM			Convey.			% Total Cutback	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Cutback Convey.	Total Cutback
1966	10	0	0	6.66	0.00	0.00	0.00	0.00	0.00
1966	11	0	0	82.69	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	53.83	0.00	0.00	0.00	0.00	0.00
1967	1	0	0	45.72	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	25.32	0.00	0.00	0.00	0.00	0.00
1967	3	0	0	78.44	0.00	0.00	0.00	0.00	0.00
1967	4	0	0	169.45	0.00	0.00	0.02	0.01	0.02
1967	5	0	0	207.02	0.00	0.00	0.56	0.27	0.56
1967	6	0	0	22.86	0.00	0.00	0.00	0.00	0.00
1967	7	0	0	5.59	0.00	0.00	0.09	1.54	0.09
1967	8	0	0	6.53	0.00	0.00	0.07	1.13	0.07
1967	9	0	0	11.72	0.00	0.00	0.00	0.00	0.00

Year	Mon	SSM			Convey.			% Total Cutback	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	Cutback Convey.	Total Cutback
1967	10	0	0	1.11	0.00	0.00	0.00	0.00	0.00
1967	11	0	0	85.06	0.00	0.00	0.00	0.00	0.00
1967	12	0	0	29.63	0.00	0.00	0.00	0.00	0.00
1968	1	0	0	54.68	0.00	0.00	0.00	0.00	0.00
1968	2	0	0	34.59	0.00	0.00	0.00	0.00	0.00
1968	3	0	0	75.89	0.00	0.00	0.00	0.00	0.00
1968	4	0	0	134.39	0.00	0.00	0.00	0.00	0.00
1968	5	0	0	27.80	0.00	0.00	0.00	0.00	0.00
1968	6	0	0	0.83	0.00	0.00	0.00	0.00	0.00
1968	7	0	0	11.01	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
1968	9	0	0	7.99	0.00	0.00	0.00	0.00	0.00

Year	Mon	SSM				Convey.		% Total Cutback	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback
1968	10	0	0	0.54	0.00	0.00	0.00	0.00	0.00
1968	11	0	0	34.90	0.00	0.00	0.00	0.00	0.00
1968	12	0	0	83.70	0.00	0.00	0.00	0.00	0.00
1969	1	0	0	55.12	0.00	0.00	0.00	0.00	0.00
1969	2	0	0	44.63	0.00	0.00	0.00	0.00	0.00
1969	3	0	0	12.09	0.00	0.00	0.00	0.00	0.00
1969	4	0	0	63.33	0.00	0.00	0.00	0.00	0.00
1969	5	0	0	24.96	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	22.69	0.00	0.00	0.00	0.00	0.00
1969	7	0	0	21.47	0.00	0.00	0.00	0.00	0.00
1969	8	0	0	1.37	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
Year	Mon	SSM				Convey.		% Total Cutback	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback
1969	10	0	0	7.44	0.00	0.00	0.00	0.00	0.00
1969	11	0	0	10.89	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
1970	1	0	0	50.48	0.00	0.00	0.00	0.00	0.00
1970	2	0	0	11.18	0.00	0.00	0.00	0.00	0.00
1970	3	0	0	13.36	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	73.05	0.00	0.00	0.00	0.00	0.00
1970	5	0	0	161.05	0.00	0.00	0.02	0.02	0.02
1970	6	0	0	9.35	0.00	0.00	0.00	0.00	0.00
1970	7	0	0	10.33	0.00	0.00	0.00	0.00	0.00
1970	8	0	0	6.24	0.00	0.00	0.00	0.00	0.00
1970	9	0	0	8.71	0.00	0.00	0.00	0.00	0.00
Year	Mon	SSM				Convey.		% Total Cutback	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback
1970	10	0	0	9.79	0.00	0.00	0.00	0.00	0.00
1970	11	0	0	87.53	0.00	0.00	0.00	0.00	0.00
1970	12	0	0	89.13	0.00	0.00	0.00	0.00	0.00
1971	1	0	0	56.01	0.00	0.00	0.00	0.00	0.00
1971	2	0	0	46.95	0.00	0.00	0.00	0.00	0.00
1971	3	0	0	115.43	0.00	0.00	0.00	0.00	0.00
1971	4	0	0	175.21	0.00	0.00	0.00	0.00	0.00
1971	5	0	0	101.08	0.00	0.00	0.13	0.12	0.13
1971	6	0	0	33.88	0.00	0.00	0.09	0.27	0.09
1971	7	0	0	0.52	0.00	0.00	0.00	0.00	0.00
1971	8	0	0	4.34	0.00	0.00	0.00	0.00	0.00
1971	9	0	0	12.03	0.00	0.00	0.00	0.00	0.00
Year	Mon	SSM				Convey.		% Total Cutback	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback
1971	10	0	0	14.35	0.00	0.00	0.00	0.00	0.00
1971	11	0	0	40.05	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	48.61	0.00	0.00	0.00	0.00	0.00
1972	1	0	0	46.20	0.00	0.00	0.00	0.00	0.00
1972	2	0	0	32.26	0.00	0.00	0.00	0.00	0.00
1972	3	0	0	87.54	0.00	0.00	0.00	0.00	0.00
1972	4	0	0	43.42	0.00	0.00	0.00	0.00	0.00
1972	5	0	0	22.15	0.00	0.00	0.00	0.00	0.00
1972	6	0	0	30.70	0.00	0.00	0.56	1.83	0.56
1972	7	0	0	27.21	0.00	0.00	0.00	0.00	0.00
1972	8	0	0	37.41	0.00	0.00	0.04	0.10	0.04
1972	9	0	0	32.03	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
1972	10	11	5	75.06	3.25	4.33	0.04	0.06	3.29	4.39
1972	11	21	3	24.37	0.73	3.01	0.85	3.49	1.58	6.50
1972	12	0	0	26.57	0.00	0.00	0.04	0.15	0.04	0.15
1973	1	0	0	44.02	0.00	0.00	0.00	0.00	0.00	0.00
1973	2	0	0	8.91	0.00	0.00	0.00	0.00	0.00	0.00
1973	3	0	0	57.59	0.00	0.00	0.00	0.00	0.00	0.00
1973	4	0	0	93.78	0.00	0.00	0.00	0.00	0.00	0.00
1973	5	0	0	117.48	0.00	0.00	0.00	0.00	0.00	0.00
1973	6	0	0	26.76	0.00	0.00	0.00	0.00	0.00	0.00
1973	7	0	0	1.84	0.00	0.00	0.00	0.00	0.00	0.00
1973	8	0	0	0.30	0.00	0.00	0.00	0.00	0.00	0.00
1973	9	0	0	0.59	0.00	0.00	0.00	0.00	0.00	0.00
Year	Mon	SSM				Convey.		% Total		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1973	10	0	0	17.85	0.00	0.00	0.00	0.00	0.00	0.00
1973	11	0	0	90.99	0.00	0.00	0.00	0.00	0.00	0.00
1973	12	0	0	26.19	0.00	0.00	0.00	0.00	0.00	0.00
1974	1	0	0	54.35	0.00	0.00	0.00	0.00	0.00	0.00
1974	2	0	0	75.95	0.00	0.00	0.00	0.00	0.00	0.00
1974	3	0	0	126.87	0.00	0.00	0.00	0.00	0.00	0.00
1974	4	0	0	113.00	0.00	0.00	0.00	0.00	0.00	0.00
1974	5	0	0	100.74	0.00	0.00	0.05	0.05	0.05	0.05
1974	6	0	0	9.57	0.00	0.00	0.00	0.00	0.00	0.00
1974	7	0	0	0.78	0.00	0.00	0.00	0.00	0.00	0.00
1974	8	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1974	9	0	0	0.99	0.00	0.00	0.00	0.00	0.00	0.00
Year	Mon	SSM				Convey.		% Total		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1974	10	0	0	25.51	0.00	0.00	0.00	0.00	0.00	0.00
1974	11	0	0	63.84	0.00	0.00	0.00	0.00	0.00	0.00
1974	12	0	0	18.14	0.00	0.00	0.00	0.00	0.00	0.00
1975	1	0	0	54.56	0.00	0.00	0.00	0.00	0.00	0.00
1975	2	0	0	64.92	0.00	0.00	0.00	0.00	0.00	0.00
1975	3	0	0	96.56	0.00	0.00	0.00	0.00	0.00	0.00
1975	4	0	0	116.08	0.00	0.00	0.00	0.00	0.00	0.00
1975	5	0	0	43.42	0.00	0.00	0.00	0.00	0.00	0.00
1975	6	0	0	4.71	0.00	0.00	0.00	0.00	0.00	0.00
1975	7	0	0	2.61	0.00	0.00	0.00	0.00	0.00	0.00
1975	8	0	0	8.65	0.00	0.00	0.05	0.60	0.05	0.60
1975	9	0	0	0.58	0.00	0.00	0.03	5.10	0.03	5.10
Year	Mon	SSM				Convey.		% Total		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1975	10	0	0	3.44	0.00	0.00	0.00	0.00	0.00	0.00
1975	11	0	0	52.86	0.00	0.00	0.00	0.00	0.00	0.00
1975	12	0	0	76.42	0.00	0.00	0.00	0.00	0.00	0.00
1976	1	0	0	49.60	0.00	0.00	0.00	0.00	0.00	0.00
1976	2	0	0	62.23	0.00	0.00	0.00	0.00	0.00	0.00
1976	3	0	0	71.59	0.00	0.00	0.00	0.00	0.00	0.00
1976	4	0	0	113.91	0.00	0.00	0.00	0.00	0.00	0.00
1976	5	0	0	9.98	0.00	0.00	0.00	0.00	0.00	0.00
1976	6	0	0	16.25	0.00	0.00	0.00	0.00	0.00	0.00
1976	7	0	0	18.06	0.00	0.00	0.00	0.00	0.00	0.00
1976	8	0	0	2.57	0.00	0.00	0.00	0.00	0.00	0.00
1976	9	0	0	2.28	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon				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	63.43	0.00	0.00	0.00	0.00	0.00	0.00
1976	11	0	0	45.76	0.00	0.00	0.00	0.00	0.00	0.00
1976	12	0	0	22.45	0.00	0.00	0.00	0.00	0.00	0.00
1977	1	0	0	52.14	0.00	0.00	0.00	0.00	0.00	0.00
1977	2	0	0	56.13	0.00	0.00	0.00	0.00	0.00	0.00
1977	3	0	0	106.96	0.00	0.00	0.00	0.00	0.00	0.00
1977	4	0	0	138.66	0.00	0.00	0.00	0.00	0.00	0.00
1977	5	0	0	42.83	0.00	0.00	0.05	0.11	0.05	0.11
1977	6	0	0	60.15	0.00	0.00	0.01	0.02	0.01	0.02
1977	7	0	0	18.12	0.00	0.00	0.00	0.00	0.00	0.00
1977	8	0	0	7.28	0.00	0.00	0.00	0.00	0.00	0.00
1977	9	0	0	0.12	0.00	0.00	0.00	0.00	0.00	0.00
Year Mon					SSM		Convey.		% Total	
# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback		
1977	10	0	0	65.38	0.00	0.00	0.00	0.00	0.00	0.00
1977	11	0	0	17.38	0.00	0.00	0.00	0.00	0.00	0.00
1977	12	0	0	1.09	0.00	0.00	0.00	0.00	0.00	0.00
1978	1	0	0	53.65	0.00	0.00	0.00	0.00	0.00	0.00
1978	2	0	0	29.90	0.00	0.00	0.00	0.00	0.00	0.00
1978	3	0	0	48.41	0.00	0.00	0.00	0.00	0.00	0.00
1978	4	0	0	108.73	0.00	0.00	0.00	0.00	0.00	0.00
1978	5	0	0	17.79	0.00	0.00	0.00	0.00	0.00	0.00
1978	6	0	0	20.75	0.00	0.00	0.00	0.00	0.00	0.00
1978	7	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1978	8	0	0	0.08	0.00	0.00	0.00	0.00	0.00	0.00
1978	9	0	0	1.88	0.00	0.00	0.00	0.00	0.00	0.00
Year Mon					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	8.68	0.00	0.00	0.00	0.00	0.00	0.00
1978	11	0	0	24.42	0.00	0.00	0.00	0.00	0.00	0.00
1978	12	0	0	17.71	0.00	0.00	0.00	0.00	0.00	0.00
1979	1	0	0	44.79	0.00	0.00	0.00	0.00	0.00	0.00
1979	2	0	0	41.25	0.00	0.00	0.00	0.00	0.00	0.00
1979	3	0	0	74.34	0.00	0.00	0.00	0.00	0.00	0.00
1979	4	0	0	115.34	0.00	0.00	0.00	0.00	0.00	0.00
1979	5	0	0	0.31	0.00	0.00	0.00	0.00	0.00	0.00
1979	6	0	0	154.51	0.00	0.00	1.65	1.07	1.65	1.07
1979	7	0	0	21.74	0.00	0.00	0.00	0.00	0.00	0.00
1979	8	0	0	7.48	0.00	0.00	0.01	0.07	0.01	0.07
1979	9	0	0	0.33	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	12.80	0.00	0.00	0.00	0.00	0.00	0.00
1979	11	0	0	4.39	0.00	0.00	0.00	0.00	0.00	0.00
1979	12	0	0	19.51	0.00	0.00	0.00	0.00	0.00	0.00
1980	1	0	0	43.51	0.00	0.00	0.00	0.00	0.00	0.00
1980	2	0	0	10.61	0.00	0.00	0.00	0.00	0.00	0.00
1980	3	0	0	61.85	0.00	0.00	0.00	0.00	0.00	0.00
1980	4	0	0	12.83	0.00	0.00	0.00	0.00	0.00	0.00
1980	5	0	0	97.88	0.00	0.00	0.00	0.00	0.00	0.00
1980	6	0	0	130.22	0.00	0.00	0.77	0.59	0.77	0.59
1980	7	0	0	14.39	0.00	0.00	0.00	0.00	0.00	0.00
1980	8	0	0	7.57	0.00	0.00	0.02	0.32	0.02	0.32
1980	9	0	0	2.73	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	
1980	10	0	0	74.43	0.00	0.00	0.00	0.00	0.00	
1980	11	0	0	28.00	0.00	0.00	0.78	2.79	0.78	
1980	12	0	0	39.92	0.00	0.00	0.15	0.37	0.15	
1981	1	0	0	44.10	0.00	0.00	0.00	0.00	0.00	
1981	2	0	0	27.48	0.00	0.00	0.00	0.00	0.00	
1981	3	0	0	79.41	0.00	0.00	0.00	0.00	0.00	
1981	4	0	0	157.07	0.00	0.00	0.02	0.01	0.02	
1981	5	0	0	149.51	0.00	0.00	0.12	0.08	0.12	
1981	6	0	0	69.79	0.00	0.00	0.54	0.77	0.54	
1981	7	0	0	61.62	0.00	0.00	0.00	0.00	0.00	
1981	8	0	0	1.92	0.00	0.00	0.00	0.00	0.00	
1981	9	0	0	1.80	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	12	8	98.88	5.70	5.76	0.00	0.00	5.70	5.76
1981	11	16	8	49.69	7.58	15.24	0.66	1.32	8.23	16.57
1981	12	31	24	88.87	15.02	16.90	0.08	0.10	15.10	16.99
1982	1	0	0	54.93	0.00	0.00	0.00	0.00	0.00	0.00
1982	2	0	0	19.29	0.00	0.00	0.00	0.00	0.00	0.00
1982	3	0	0	28.85	0.00	0.00	0.00	0.00	0.00	0.00
1982	4	0	0	10.67	0.00	0.00	0.00	0.00	0.00	0.00
1982	5	0	0	105.92	0.00	0.00	0.00	0.00	0.00	0.00
1982	6	0	0	19.10	0.00	0.00	0.08	0.41	0.08	0.41
1982	7	0	0	4.78	0.00	0.00	0.00	0.00	0.00	0.00
1982	8	0	0	2.27	0.00	0.00	0.00	0.00	0.00	0.00
1982	9	0	0	5.11	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	13.16	0.00	0.00	0.00	0.00	0.00	0.00
1982	11	0	0	44.60	0.00	0.00	0.00	0.00	0.00	0.00
1982	12	0	0	46.79	0.00	0.00	0.00	0.00	0.00	0.00
1983	1	0	0	43.51	0.00	0.00	0.00	0.00	0.00	0.00
1983	2	0	0	0.30	0.00	0.00	0.00	0.00	0.00	0.00
1983	3	0	0	0.07	0.00	0.00	0.00	0.00	0.00	0.00
1983	4	0	0	28.73	0.00	0.00	0.00	0.00	0.00	0.00
1983	5	0	0	207.02	0.00	0.00	0.02	0.01	0.02	0.01
1983	6	0	0	28.43	0.00	0.00	0.00	0.00	0.00	0.00
1983	7	0	0	32.71	0.00	0.00	0.00	0.00	0.00	0.00
1983	8	0	0	5.47	0.00	0.00	0.00	0.00	0.00	0.00
1983	9	0	0	5.99	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	
1983	10	0	0	3.26	0.00	0.00	0.00	0.00	0.00	0.00
1983	11	0	0	19.72	0.00	0.00	0.00	0.00	0.00	0.00
1983	12	0	0	16.81	0.00	0.00	0.00	0.00	0.00	0.00
1984	1	0	0	54.19	0.00	0.00	0.00	0.00	0.00	0.00
1984	2	0	0	31.88	0.00	0.00	0.00	0.00	0.00	0.00
1984	3	0	0	15.13	0.00	0.00	0.00	0.00	0.00	0.00
1984	4	0	0	48.24	0.00	0.00	0.00	0.00	0.00	0.00
1984	5	0	0	119.11	0.00	0.00	0.00	0.00	0.00	0.00
1984	6	0	0	51.15	0.00	0.00	0.13	0.25	0.13	0.25
1984	7	0	0	0.99	0.00	0.00	0.00	0.00	0.00	0.00
1984	8	0	0	16.02	0.00	0.00	0.00	0.00	0.00	0.00
1984	9	0	0	14.22	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	SSM				Convey.	% Cutback	Total Cutback	% Total Cutback
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume				
1984	10	0	0	51.67	0.00	0.00	0.00	0.00	0.00
1984	11	0	0	57.05	0.00	0.00	0.00	0.00	0.00
1984	12	0	0	47.19	0.00	0.00	0.00	0.00	0.00
1985	1	0	0	55.11	0.00	0.00	0.00	0.00	0.00
1985	2	0	0	87.11	0.00	0.00	0.00	0.00	0.00
1985	3	0	0	81.78	0.00	0.00	0.00	0.00	0.00
1985	4	0	0	28.50	0.00	0.00	0.00	0.00	0.00
1985	5	0	0	112.04	0.00	0.00	0.00	0.00	0.00
1985	6	0	0	101.62	0.00	0.00	3.25	3.19	3.25
1985	7	0	0	5.01	0.00	0.00	0.00	0.00	0.00
1985	8	0	0	2.65	0.00	0.00	0.34	12.93	0.34
1985	9	0	0	0.30	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				
1985	10	0	0	7.93	0.00	0.00	0.00	0.00	0.00
1985	11	0	0	33.84	0.00	0.00	0.00	0.00	0.00
1985	12	0	0	18.03	0.00	0.00	0.00	0.00	0.00
1986	1	0	0	55.25	0.00	0.00	0.00	0.00	0.00
1986	2	0	0	46.06	0.00	0.00	0.00	0.00	0.00
1986	3	0	0	17.99	0.00	0.00	0.00	0.00	0.00
1986	4	0	0	137.66	0.00	0.00	0.00	0.00	0.00
1986	5	0	0	132.82	0.00	0.00	0.07	0.05	0.07
1986	6	0	0	19.83	0.00	0.00	0.00	0.00	0.00
1986	7	0	0	3.13	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	5.38	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				
1986	10	0	0	29.61	0.00	0.00	0.00	0.00	0.00
1986	11	0	0	21.70	0.00	0.00	0.00	0.00	0.00
1986	12	0	0	37.32	0.00	0.00	0.00	0.01	0.00
1987	1	0	0	50.80	0.00	0.00	0.00	0.00	0.00
1987	2	0	0	19.67	0.00	0.00	0.00	0.00	0.00
1987	3	0	0	19.07	0.00	0.00	0.00	0.00	0.00
1987	4	0	0	107.16	0.00	0.00	0.02	0.02	0.02
1987	5	0	0	111.07	0.00	0.00	0.00	0.00	0.00
1987	6	0	0	114.36	0.00	0.00	0.05	0.05	0.05
1987	7	0	0	13.32	0.00	0.00	0.00	0.00	0.00
1987	8	0	0	45.39	0.00	0.00	0.00	0.00	0.00
1987	9	14	3	10.36	2.29	22.07	0.00	0.00	22.07
Year	Mon	SSM				Convey.	% Cutback	Total Cutback	% Total Cutback
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume				
1987	10	12	0	17.36	0.00	0.00	0.00	0.00	0.00
1987	11	0	0	2.22	0.00	0.00	0.00	0.00	0.00
1987	12	0	0	34.10	0.00	0.00	0.00	0.00	0.00
1988	1	0	0	45.54	0.00	0.00	0.00	0.00	0.00
1988	2	0	0	15.17	0.00	0.00	0.00	0.00	0.00
1988	3	0	0	23.84	0.00	0.00	0.00	0.00	0.00
1988	4	0	0	135.58	0.00	0.00	0.00	0.00	0.00
1988	5	0	0	109.21	0.00	0.00	0.00	0.00	0.00
1988	6	0	0	55.08	0.00	0.00	0.21	0.38	0.21
1988	7	0	0	6.61	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
1988	9	0	0	45.30	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				
1988	10	0	0	120.77	0.00	0.00	0.00	0.00	0.00
1988	11	0	0	26.99	0.00	0.00	0.00	0.00	0.00
1988	12	0	0	47.32	0.00	0.00	0.06	0.12	0.06
1989	1	0	0	51.81	0.00	0.00	0.00	0.00	0.00
1989	2	0	0	85.26	0.00	0.00	0.00	0.00	0.00
1989	3	0	0	52.14	0.00	0.00	0.00	0.00	0.00
1989	4	0	0	45.16	0.00	0.00	0.00	0.00	0.00
1989	5	0	0	129.87	0.00	0.00	0.00	0.00	0.00
1989	6	0	0	119.05	0.00	0.00	5.64	4.74	5.64
1989	7	0	0	29.68	0.00	0.00	0.00	0.00	0.00
1989	8	0	0	5.00	0.00	0.00	0.00	0.00	0.00
1989	9	15	0	0.85	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
1989	10	5	0	14.05	0.00	0.00	0.00	0.00	0.00
1989	11	0	0	87.10	0.00	0.05	0.05	0.05	0.05
1989	12	0	0	22.67	0.00	0.00	0.00	0.00	0.00
1990	1	0	0	44.98	0.00	0.00	0.00	0.00	0.00
1990	2	0	0	10.72	0.00	0.00	0.00	0.00	0.00
1990	3	0	0	67.36	0.00	0.00	0.00	0.00	0.00
1990	4	0	0	91.67	0.00	0.00	0.00	0.00	0.00
1990	5	0	0	47.24	0.00	0.00	0.00	0.00	0.00
1990	6	0	0	56.94	0.00	0.00	1.41	2.48	1.41
1990	7	0	0	4.93	0.00	0.00	0.00	0.00	0.00
1990	8	0	0	2.47	0.00	0.00	0.00	0.00	0.00
1990	9	0	0	19.16	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
1990	10	0	0	14.24	0.00	0.00	0.00	0.00	0.00
1990	11	0	0	76.23	0.00	0.00	0.00	0.00	0.00
1990	12	0	0	78.05	0.00	0.00	0.00	0.00	0.00
1991	1	0	0	47.27	0.00	0.00	0.00	0.00	0.00
1991	2	0	0	31.88	0.00	0.00	0.00	0.00	0.00
1991	3	0	0	55.54	0.00	0.00	0.00	0.00	0.00
1991	4	0	0	3.87	0.00	0.00	0.00	0.00	0.00
1991	5	0	0	49.82	0.00	0.00	0.00	0.00	0.00
1991	6	0	0	15.38	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
1991	8	0	0	7.99	0.00	0.00	0.00	0.00	0.00
1991	9	0	0	4.96	0.00	0.00	0.00	0.00	0.00
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
1991	10	0	0	11.71	0.00	0.00	0.00	0.00	0.00
1991	11	0	0	42.85	0.00	0.00	0.00	0.00	0.00
1991	12	0	0	34.45	0.00	0.00	0.00	0.00	0.00
1992	1	0	0	48.87	0.00	0.00	0.00	0.00	0.00
1992	2	0	0	24.77	0.00	0.00	0.00	0.00	0.00
1992	3	0	0	30.76	0.00	0.00	0.00	0.00	0.00
1992	4	0	0	6.60	0.00	0.00	0.00	0.00	0.00
1992	5	0	0	204.46	0.00	0.00	0.07	0.03	0.07
1992	6	0	0	22.36	0.00	0.00	0.08	0.36	0.08
1992	7	0	0	17.47	0.00	0.00	0.00	0.00	0.00
1992	8	0	0	6.19	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

Year	Mon					SSM	Convey.	% Cutback		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume			% SSM Cutback	Cutback Volume	Total Cutback
1992	10	0	0	50.77	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0	0	19.86	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	0	0	38.81	0.00	0.00	0.00	0.00	0.00	0.00
1993	1	0	0	46.17	0.00	0.00	0.00	0.00	0.00	0.00
1993	2	0	0	8.27	0.00	0.00	0.00	0.00	0.00	0.00
1993	3	0	0	19.73	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0	0	55.84	0.00	0.00	0.00	0.00	0.00	0.00
1993	5	0	0	181.34	0.00	0.00	0.01	0.00	0.01	0.00
1993	6	0	0	38.94	0.00	0.00	0.00	0.00	0.00	0.00
1993	7	0	0	43.55	0.00	0.00	0.00	0.00	0.00	0.00
1993	8	0	0	40.20	0.00	0.00	0.00	0.00	0.00	0.00
1993	9	0	0	2.72	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
1993	10	0	0	3.04	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	0	0	34.83	0.00	0.00	0.00	0.00	0.00	0.00
1993	12	0	0	46.36	0.00	0.00	0.00	0.00	0.00	0.00
1994	1	0	0	47.67	0.00	0.00	0.00	0.00	0.00	0.00
1994	2	0	0	8.70	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0	0	43.41	0.00	0.00	0.00	0.00	0.00	0.00
1994	4	0	0	48.73	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	18.39	0.00	0.00	0.00	0.00	0.00	0.00
1994	7	0	0	16.44	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	Convey.	% Cutback		
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback	Total Cutback	% Total Cutback
1994	10	0	0	7.56	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	0	0	10.47	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	52.92	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	0	0	8.16	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	0	0	30.66	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0	0	73.68	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0	0	92.22	0.00	0.00	0.00	0.00	0.00	0.00
1995	6	0	0	25.19	0.00	0.00	0.29	1.13	0.29	1.13
1995	7	0	0	11.64	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	0	0	1.88	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	0	0	10.24	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
1995	10	0	0	0.82	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	0	0	45.03	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	0	0	32.18	0.00	0.00	0.00	0.00	0.00	0.00
1996	1	0	0	49.58	0.00	0.00	0.00	0.00	0.00	0.00
1996	2	0	0	70.77	0.00	0.00	0.00	0.00	0.00	0.00
1996	3	0	0	33.52	0.00	0.00	0.00	0.00	0.00	0.00
1996	4	0	0	59.41	0.00	0.00	0.00	0.00	0.00	0.00
1996	5	0	0	34.51	0.00	0.00	0.00	0.00	0.00	0.00
1996	6	0	0	2.91	0.00	0.00	0.00	0.00	0.00	0.00
1996	7	0	0	55.25	0.00	0.00	0.00	0.00	0.00	0.00
1996	8	0	0	13.85	0.00	0.00	0.00	0.00	0.00	0.00
1996	9	0	0	28.60	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	SSM				Convey.		% Total Cutback	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback
1996	10	0	0	15.88	0.00	0.00	0.00	0.00	0.00
1996	11	0	0	65.58	0.00	0.00	0.00	0.00	0.00
1996	12	0	0	71.40	0.00	0.00	0.00	0.00	0.00
1997	1	0	0	53.60	0.00	0.00	0.00	0.00	0.00
1997	2	0	0	43.41	0.00	0.00	0.00	0.00	0.00
1997	3	0	0	57.93	0.00	0.00	0.02	0.03	0.02
1997	4	0	0	31.38	0.00	0.00	0.00	0.00	0.00
1997	5	0	0	17.76	0.00	0.00	0.00	0.00	0.00
1997	6	0	0	31.61	0.00	0.00	0.59	1.86	0.59
1997	7	0	0	12.21	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	6.06	0.00	0.00	0.00	0.00	0.00
Year Mon		SSM				Convey.		% Total Cutback	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback
1997	10	0	0	46.51	0.00	0.00	0.00	0.00	0.00
1997	11	0	0	16.10	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	50.74	0.00	0.00	0.00	0.00	0.00
1998	2	0	0	3.06	0.00	0.00	0.00	0.00	0.00
1998	3	0	0	4.64	0.00	0.00	0.00	0.00	0.00
1998	4	0	0	92.64	0.00	0.00	0.00	0.00	0.00
1998	5	0	0	132.63	0.00	0.00	0.15	0.12	0.15
1998	6	0	0	153.00	0.00	0.00	1.47	0.96	1.47
1998	7	0	0	23.76	0.00	0.00	0.00	0.00	0.00
1998	8	0	0	7.56	0.00	0.00	0.00	0.00	0.00
1998	9	0	0	1.72	0.00	0.00	0.00	0.00	0.00
Year Mon		SSM				Convey.		% Total Cutback	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback
1998	10	0	0	22.73	0.00	0.00	0.00	0.00	0.00
1998	11	0	0	18.31	0.00	0.00	0.00	0.00	0.00
1998	12	0	0	30.91	0.00	0.00	0.00	0.00	0.00
1999	1	0	0	44.85	0.00	0.00	0.00	0.00	0.00
1999	2	0	0	45.93	0.00	0.00	0.00	0.00	0.00
1999	3	0	0	123.66	0.00	0.00	0.00	0.00	0.00
1999	4	0	0	130.16	0.00	0.00	0.00	0.00	0.00
1999	5	0	0	90.20	0.00	0.00	0.19	0.21	0.19
1999	6	0	0	6.52	0.00	0.00	0.00	0.00	0.00
1999	7	0	0	8.42	0.00	0.00	0.00	0.00	0.00
1999	8	0	0	13.75	0.00	0.00	0.00	0.00	0.00
1999	9	0	0	0.80	0.00	0.00	0.00	0.00	0.00
Year Mon		SSM				Convey.		% Total Cutback	
		# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback
1999	10	0	0	0.42	0.00	0.00	0.00	0.00	0.00
1999	11	0	0	37.33	0.00	0.00	0.00	0.00	0.00
1999	12	0	0	47.16	0.00	0.00	0.00	0.00	0.00
2000	1	0	0	44.85	0.00	0.00	0.00	0.00	0.00
2000	2	0	0	60.46	0.00	0.00	0.00	0.00	0.00
2000	3	0	0	71.87	0.00	0.00	0.00	0.00	0.00
2000	4	0	0	72.11	0.00	0.00	0.00	0.00	0.00
2000	5	0	0	185.30	0.00	0.00	0.15	0.08	0.15
2000	6	0	0	151.57	0.00	0.00	1.36	0.89	1.36
2000	7	0	0	1.89	0.00	0.00	0.00	0.00	0.00
2000	8	10	4	42.22	4.84	11.47	0.00	0.00	4.84
2000	9	30	0	2.46	0.00	0.00	0.00	0.02	0.00

Year Mon		SSM			Convey.		% Total Cutback		
# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback	
2000 10	31	6	42.82	3.17	7.40	0.00	0.00	3.17	7.40
2000 11	30	25	106.86	23.29	21.79	0.54	0.51	23.83	22.30
2000 12	31	14	78.54	12.47	15.88	0.16	0.20	12.64	16.09
2001 1	0	0	54.61	0.00	0.00	0.00	0.00	0.00	0.00
2001 2	0	0	93.80	0.00	0.00	0.00	0.00	0.00	0.00
2001 3	0	0	61.19	0.00	0.00	0.00	0.00	0.00	0.00
2001 4	0	0	121.54	0.00	0.00	0.00	0.00	0.00	0.00
2001 5	0	0	142.75	0.00	0.00	0.32	0.22	0.32	0.22
2001 6	0	0	43.42	0.00	0.00	0.03	0.08	0.03	0.08
2001 7	0	0	10.63	0.00	0.00	0.00	0.00	0.00	0.00
2001 8	0	0	23.12	0.00	0.00	0.00	0.00	0.00	0.00
2001 9	0	0	5.46	0.00	0.00	0.00	0.00	0.00	0.00
Year Mon		SSM			Convey.		% Total Cutback		
# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback	
2001 10	0	0	10.03	0.00	0.00	0.00	0.00	0.00	0.00
2001 11	0	0	41.26	0.00	0.00	0.00	0.00	0.00	0.00
2001 12	0	0	41.61	0.00	0.00	0.00	0.01	0.00	0.01
2002 1	0	0	56.03	0.00	0.00	0.00	0.00	0.00	0.00
2002 2	0	0	29.52	0.00	0.00	0.00	0.00	0.00	0.00
2002 3	0	0	78.59	0.00	0.00	0.00	0.00	0.00	0.00
2002 4	0	0	107.04	0.00	0.00	0.00	0.00	0.00	0.00
2002 5	0	0	156.64	0.00	0.00	0.01	0.01	0.01	0.01
2002 6	0	0	64.51	0.00	0.00	0.15	0.24	0.15	0.24
2002 7	0	0	12.07	0.00	0.00	0.00	0.00	0.00	0.00
2002 8	0	0	12.89	0.00	0.00	0.00	0.00	0.00	0.00
2002 9	0	0	10.53	0.00	0.00	0.00	0.00	0.00	0.00
Year Mon		SSM			Convey.		% Total Cutback		
# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback	
2002 10	0	0	11.80	0.00	0.00	0.00	0.00	0.00	0.00
2002 11	0	0	30.62	0.00	0.00	0.00	0.00	0.00	0.00
2002 12	0	0	7.53	0.00	0.00	0.00	0.00	0.00	0.00
2003 1	0	0	55.86	0.00	0.00	0.00	0.00	0.00	0.00
2003 2	0	0	52.91	0.00	0.00	0.00	0.00	0.00	0.00
2003 3	0	0	34.40	0.00	0.00	0.00	0.00	0.00	0.00
2003 4	0	0	67.54	0.00	0.00	0.00	0.00	0.00	0.00
2003 5	0	0	54.89	0.00	0.00	0.00	0.00	0.00	0.00
2003 6	0	0	15.33	0.00	0.00	0.00	0.00	0.00	0.00
2003 7	0	0	13.73	0.00	0.00	0.00	0.00	0.00	0.00
2003 8	0	0	0.01	0.00	0.00	0.00	0.00	0.00	0.00
2003 9	0	0	1.20	0.00	0.00	0.00	0.00	0.00	0.00
Year Mon		SSM			Convey.		% Total Cutback		
# Days SSM	# Days SSMwC.B.	Supplm. Volume	Cutback Volume	% SSM Cutback	Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback	
2003 10	0	0	41.01	0.00	0.00	0.00	0.00	0.00	0.00
2003 11	0	0	32.57	0.00	0.00	0.00	0.00	0.00	0.00
2003 12	0	0	28.48	0.00	0.00	0.01	0.02	0.01	0.02
2004 1	0	0	49.96	0.00	0.00	0.00	0.00	0.00	0.00
2004 2	0	0	16.23	0.00	0.00	0.00	0.00	0.00	0.00
2004 3	0	0	99.27	0.00	0.00	0.00	0.00	0.00	0.00
2004 4	0	0	99.05	0.00	0.00	0.00	0.00	0.00	0.00
2004 5	0	0	198.34	0.00	0.00	0.07	0.04	0.07	0.04
2004 6	0	0	52.19	0.00	0.00	0.41	0.79	0.41	0.79
2004 7	0	0	37.07	0.00	0.00	0.03	0.09	0.03	0.09
2004 8	0	0	0.47	0.00	0.00	0.30	64.95	0.30	64.95
2004 9	0	0	0.15	0.00	0.00	0.00	0.00	0.00	0.00

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	8.31	0.00	0.00	0.00	0.00	0.00	
2004	11	0	0	42.65	0.00	0.00	0.00	0.00	0.00	
2004	12	0	0	58.88	0.00	0.00	0.00	0.00	0.00	
2005	1	0	0	54.58	0.00	0.00	0.00	0.00	0.00	
2005	2	0	0	76.33	0.00	0.00	0.00	0.00	0.00	
2005	3	0	0	0.38	0.00	0.00	0.00	0.00	0.00	
2005	4	0	0	58.43	0.00	0.00	0.00	0.00	0.00	
2005	5	0	0	66.22	0.00	0.00	0.01	0.02	0.01	
2005	6	0	0	4.25	0.00	0.00	0.00	0.00	0.00	
2005	7	0	0	19.51	0.00	0.00	0.00	0.00	0.00	
2005	8	0	0	5.95	0.00	0.00	0.00	0.00	0.00	
2005	9	0	0	12.71	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)

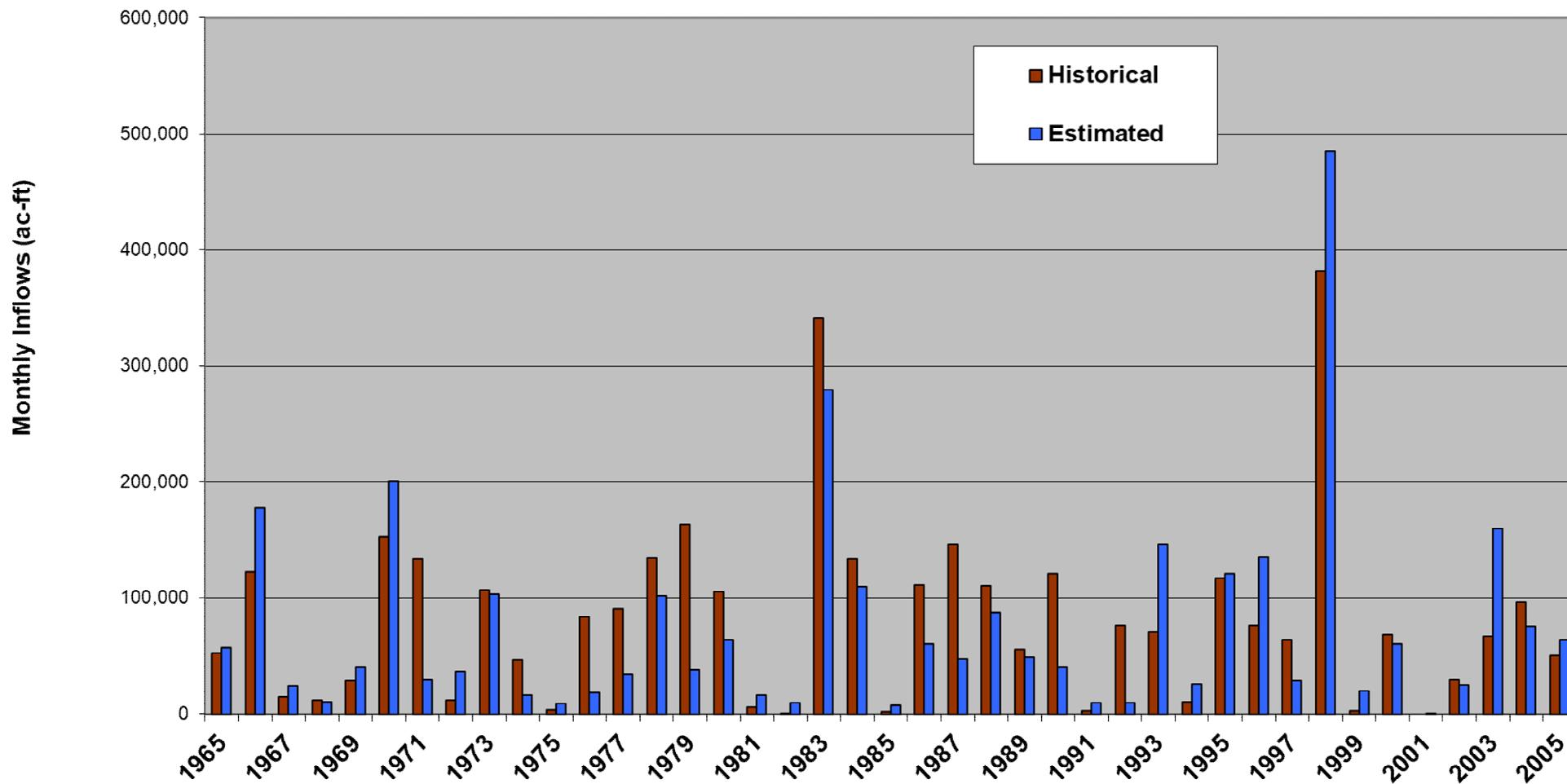
Run:

SFWMM v6.7.4 - February 1, 2021 DPA Final LOK Stage 15.47

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	0	0	327.09	0.00	0.00	0.01	0.00	0.01	0.00
1967	0	0	715.83	0.00	0.00	0.74	0.10	0.74	0.10
1968	0	0	471.78	0.00	0.00	0.00	0.00	0.00	0.00
1969	0	0	365.51	0.00	0.00	0.00	0.00	0.00	0.00
1970	0	0	378.83	0.00	0.00	0.02	0.01	0.02	0.01
1971	0	0	731.91	0.00	0.00	0.22	0.03	0.22	0.03
1972	0	0	461.94	0.00	0.00	0.60	0.13	0.60	0.13
1973	32	8	477.26	3.98	0.83	0.93	0.20	4.92	1.03
1974	0	0	617.29	0.00	0.00	0.05	0.01	0.05	0.01
1975	0	0	499.59	0.00	0.00	0.08	0.02	0.08	0.02
1976	0	0	479.19	0.00	0.00	0.00	0.00	0.00	0.00
1977	0	0	614.03	0.00	0.00	0.06	0.01	0.06	0.01
1978	0	0	366.11	0.00	0.00	0.00	0.00	0.00	0.00
1979	0	0	510.91	0.00	0.00	1.65	0.32	1.65	0.32
1980	0	0	418.28	0.00	0.00	0.79	0.19	0.79	0.19
1981	0	0	735.04	0.00	0.00	1.60	0.22	1.60	0.22
1982	59	40	488.36	28.29	5.79	0.82	0.17	29.11	5.96
1983	0	0	456.78	0.00	0.00	0.02	0.00	0.02	0.00
1984	0	0	390.72	0.00	0.00	0.13	0.03	0.13	0.03
1985	0	0	630.02	0.00	0.00	3.59	0.57	3.59	0.57
1986	0	0	477.91	0.00	0.00	0.07	0.01	0.07	0.01
1987	14	3	579.84	2.29	0.39	0.08	0.01	2.37	0.41
1988	12	0	490.05	0.00	0.00	0.21	0.04	0.21	0.04
1989	15	0	713.89	0.00	0.00	5.70	0.80	5.70	0.80
1990	5	0	469.28	0.00	0.00	1.46	0.31	1.46	0.31
1991	0	0	385.22	0.00	0.00	0.00	0.00	0.00	0.00
1992	0	0	451.39	0.00	0.00	0.15	0.03	0.15	0.03
1993	0	0	546.21	0.00	0.00	0.01	0.00	0.01	0.00
1994	0	0	365.77	0.00	0.00	0.00	0.00	0.00	0.00
1995	0	0	324.91	0.00	0.00	0.29	0.09	0.29	0.09
1996	0	0	426.42	0.00	0.00	0.00	0.00	0.00	0.00
1997	0	0	408.78	0.00	0.00	0.61	0.15	0.61	0.15
1998	0	0	532.36	0.00	0.00	1.63	0.31	1.63	0.31
1999	0	0	536.24	0.00	0.00	0.19	0.04	0.19	0.04
2000	40	4	717.64	4.84	0.67	1.50	0.21	6.35	0.88
2001	92	45	784.74	38.93	4.96	1.06	0.13	39.99	5.10
2002	0	0	620.73	0.00	0.00	0.17	0.03	0.17	0.03
2003	0	0	345.81	0.00	0.00	0.00	0.00	0.00	0.00
2004	0	0	654.79	0.00	0.00	0.83	0.13	0.83	0.13
2005	0	0	408.20	0.00	0.00	0.01	0.00	0.01	0.00

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



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

