

Dynamic Position Analysis for April 2017

SFWMM Model Simulation of 41 years (1965-2005)

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April 2017 Dynamic Position Analysis Using Hybrid LOWSM Modeling Assumptions

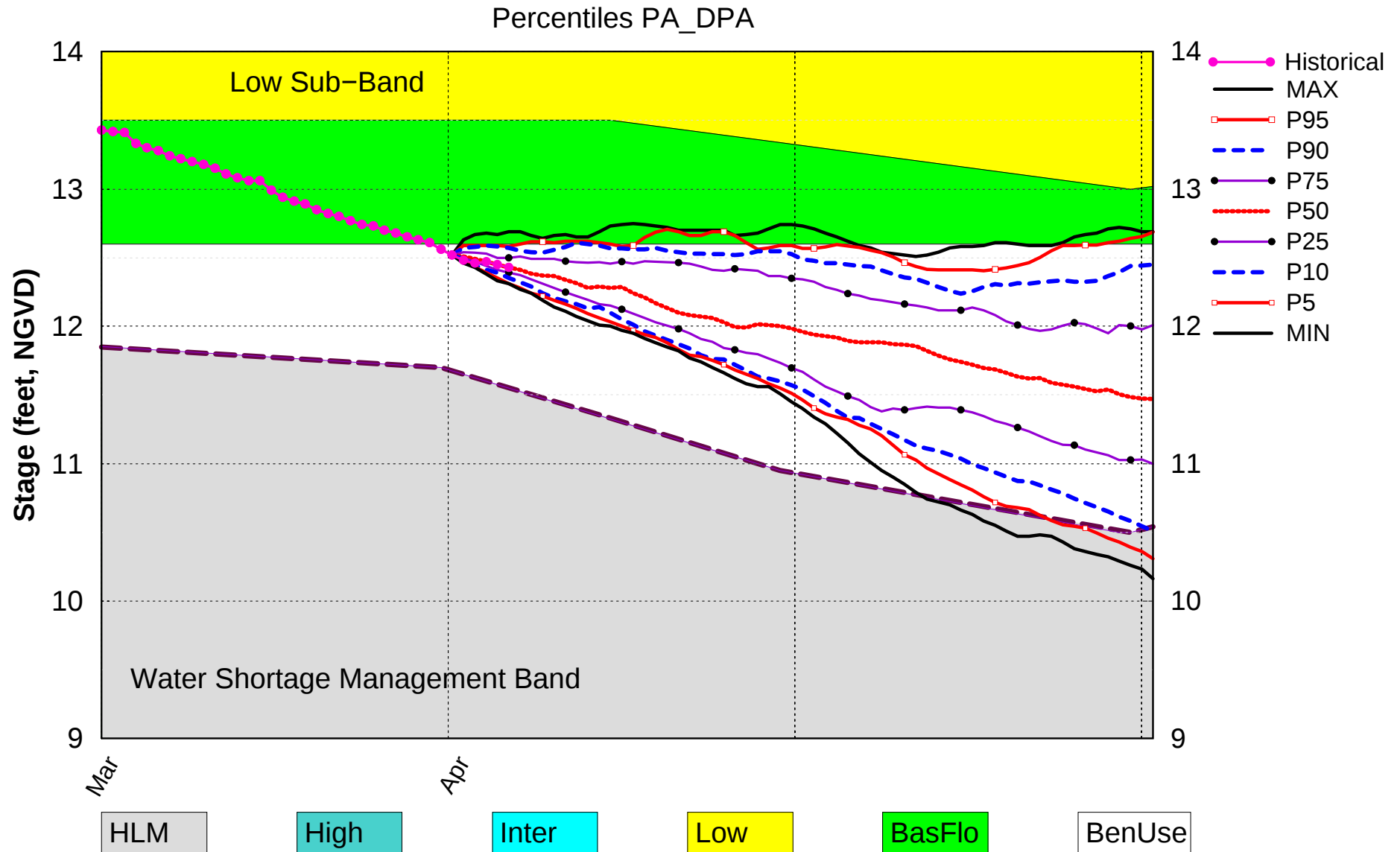
- April 2017 DPA is based on regular Position Analysis applying V6.7.4 of the SFWMM, and assuming the current Lake Okeechobee Net Inflow Outlook (LONINO) for each year simulated. It is based on historical climatic conditions spanning the period 1965-2005
- The model is reinitialized March 1st of each year
- The Lake Okeechobee operations follow the Lake Okeechobee Regulation Schedule (LORS2008). Modeling assumptions consistent with modeling performed for LORS-2008 Supplemental, Environmental Impact Statement (SEIS).
- LOK Temporary Forward Pump operations will be in place, whenever necessary, to improve water supply deliveries from the Lake under low Lake stages.
- STAs reflect current operational conditions
- Lake Okeechobee Water Shortage Management (LOWSM) is included in the simulation which reflects the currently approved 40E-21 and 40E-22 water shortage rules.
- Water supply restrictions simulated for the urban areas reflect current District water shortage management policies.
- Wet and Dry years selected by examining all years and choosing the wettest or driest years in both near and far-term.
- ENSO-neutral conditions are favored to continue through at least the spring 2017, with increasing chances for El Niño development into the fall.

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

- 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).
- Weekly flow target to the North East Shark River Slough (NESRS) is predicted by the [Rainfall Driven formula](#) using previous week's calculated flow target and the preceding 10 weeks of meteorological (rainfall and ET) data. As the simulation moves away from the initialization date, a blend of the most recent and historical data is used to compute the flow targets.
- ERTTP operations consistent with the [March 2011 EIS](#) are included in the simulation. The main features of these operations are:
 1. Structures S-343A, S-343B, S-344 and S-12A are closed Nov. 1 to July 15.
 2. Structure S-12B is closed Jan. 1 to July 15.
 3. No closures for structure S-12C and S-12D.
 4. Zone A line lowered on average by 0.35 feet (from 10-10.75 ft to 9.5-10.5 ft)
- 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](#).

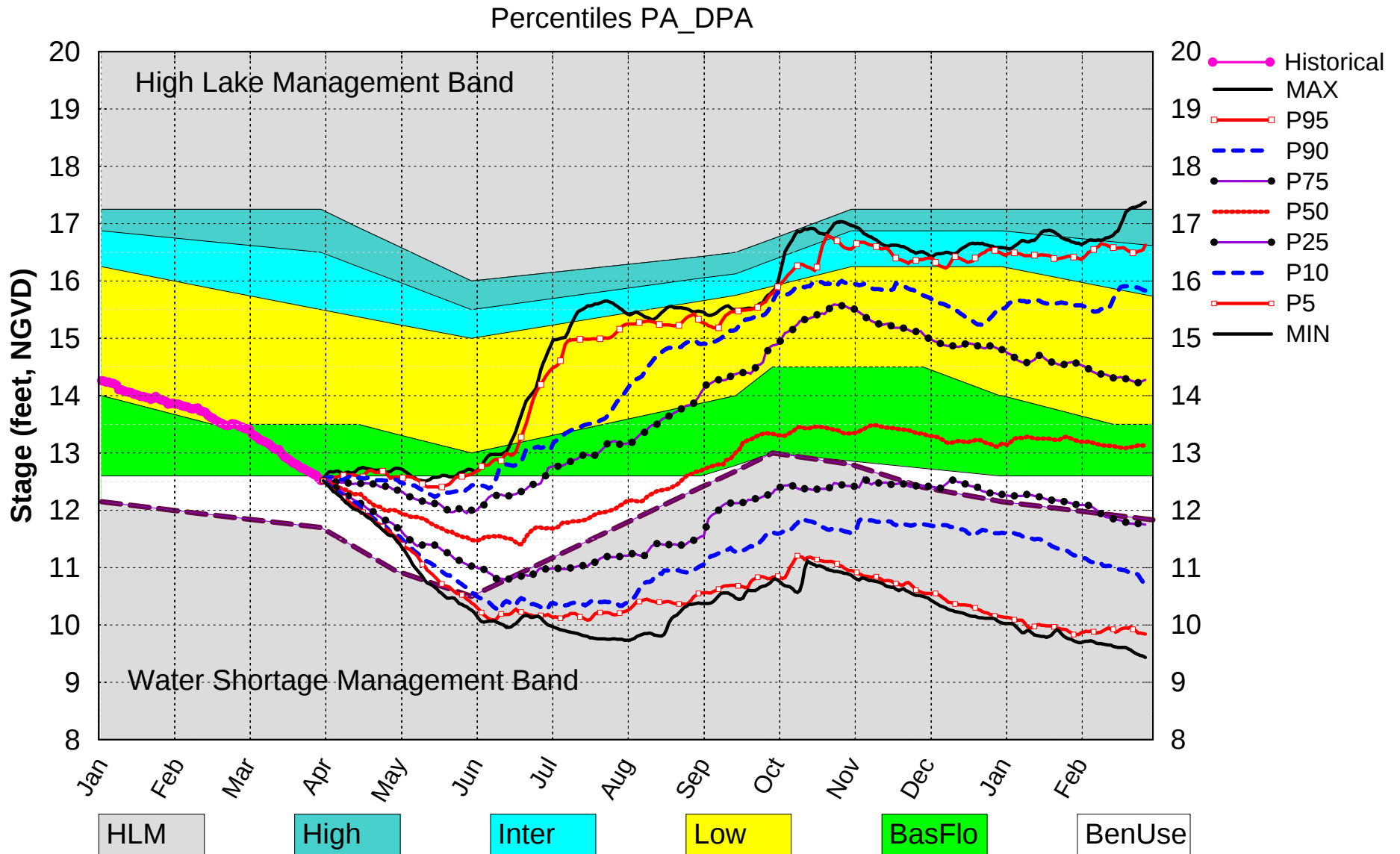
[Back to Operational Planning Main Page](#)

Lake Okeechobee SFWMM Apr 2017 Dynamic Position Analysis



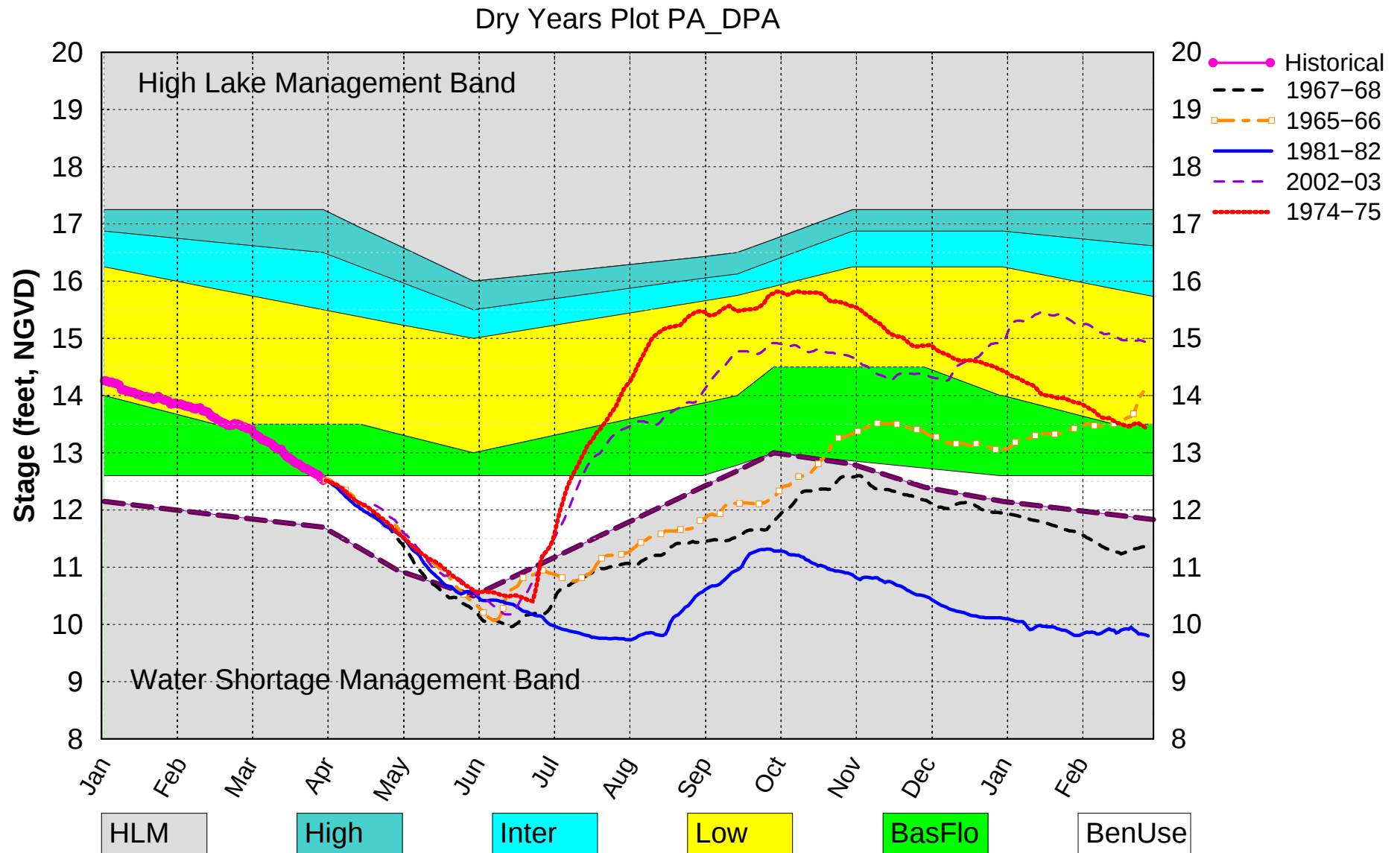
(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM Apr 2017 Dynamic Position Analysis



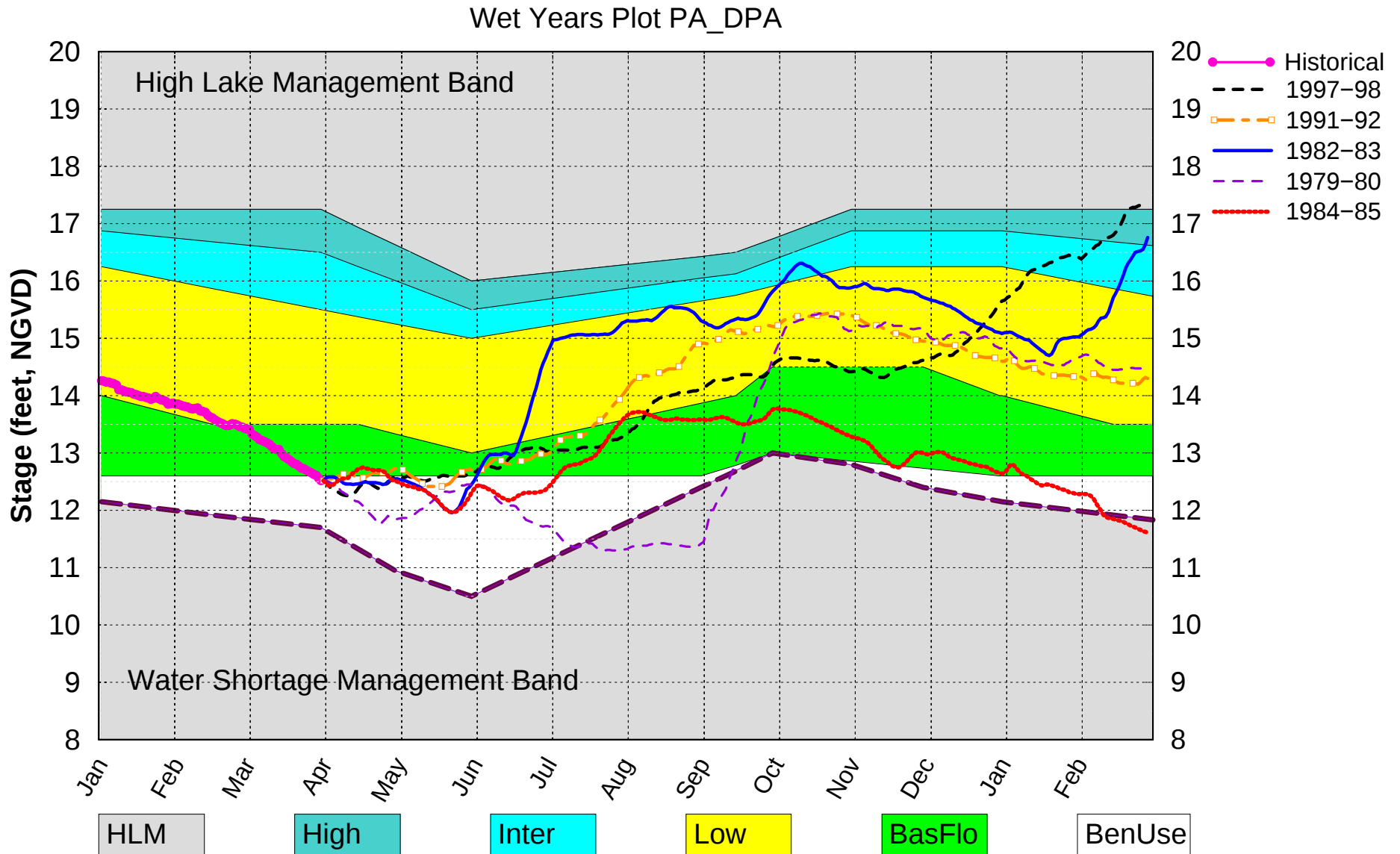
(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM Apr 2017 Dynamic Position Analysis



(See assumptions on the Position Analysis Results website)

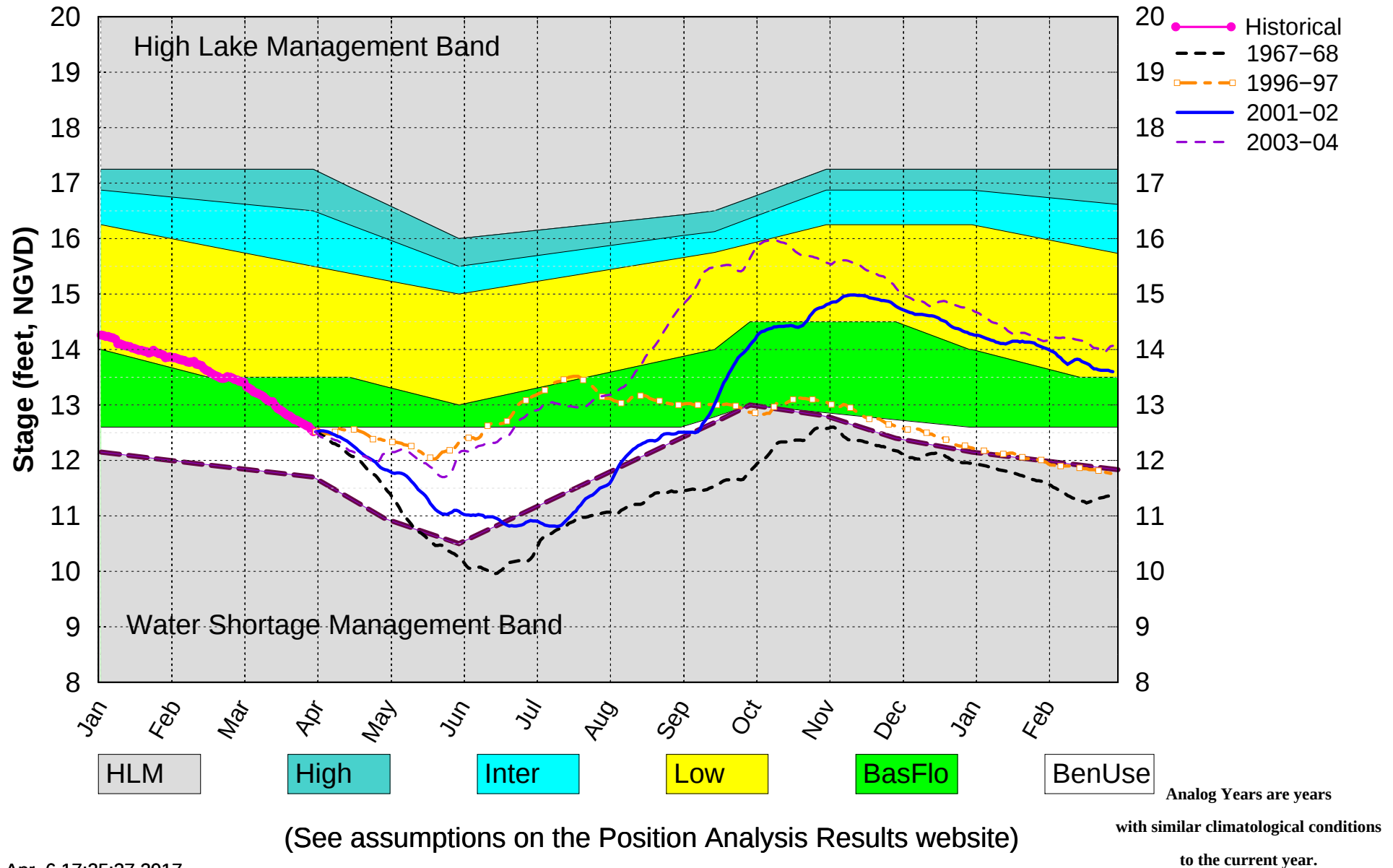
Lake Okeechobee SFWMM Apr 2017 Dynamic Position Analysis



(See assumptions on the Position Analysis Results website)

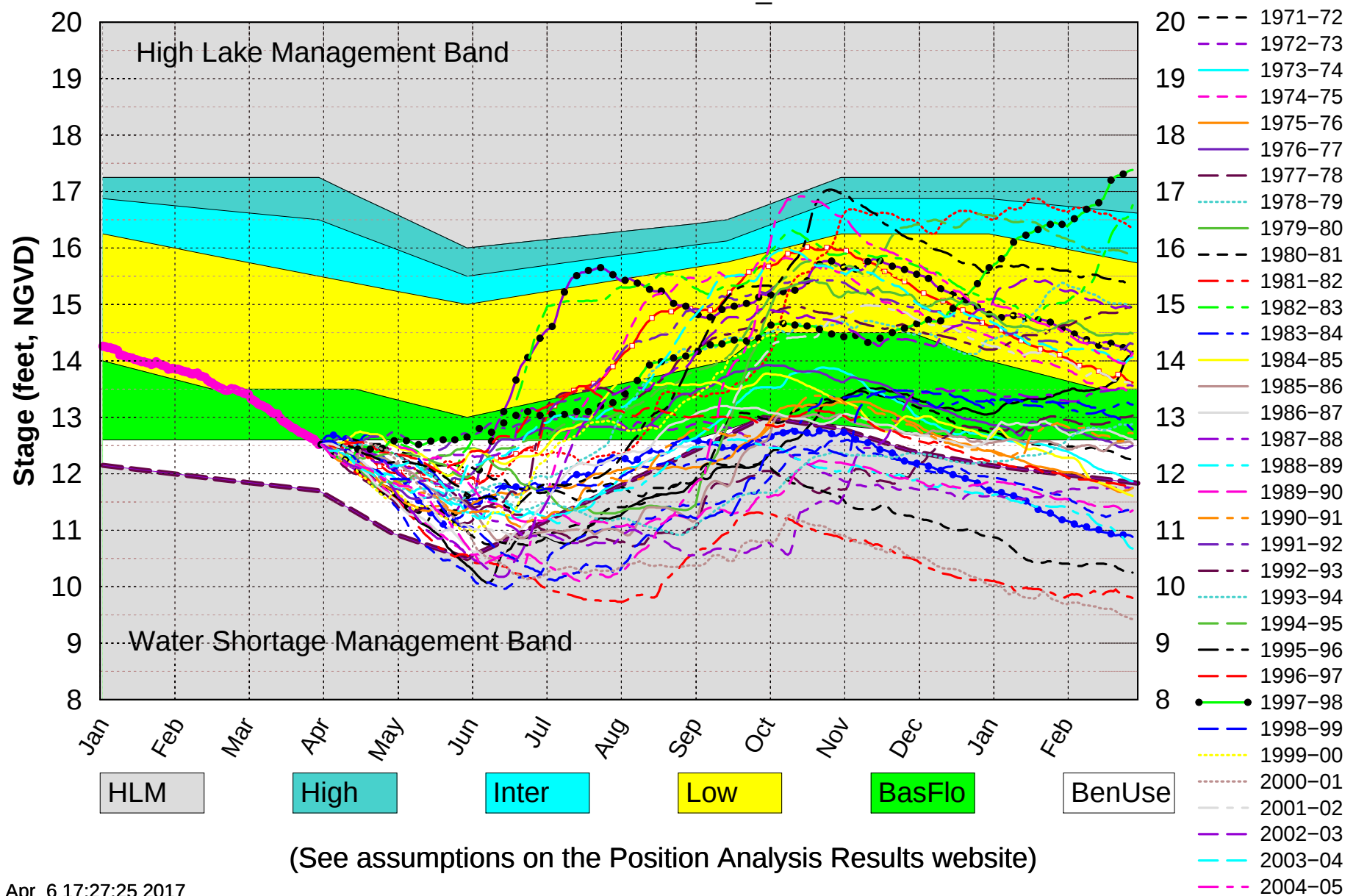
Lake Okeechobee SFWMM Apr 2017 Dynamic Position Analysis

AMO Warm / ENSO Neutral Analog Years Plot PA_DPA



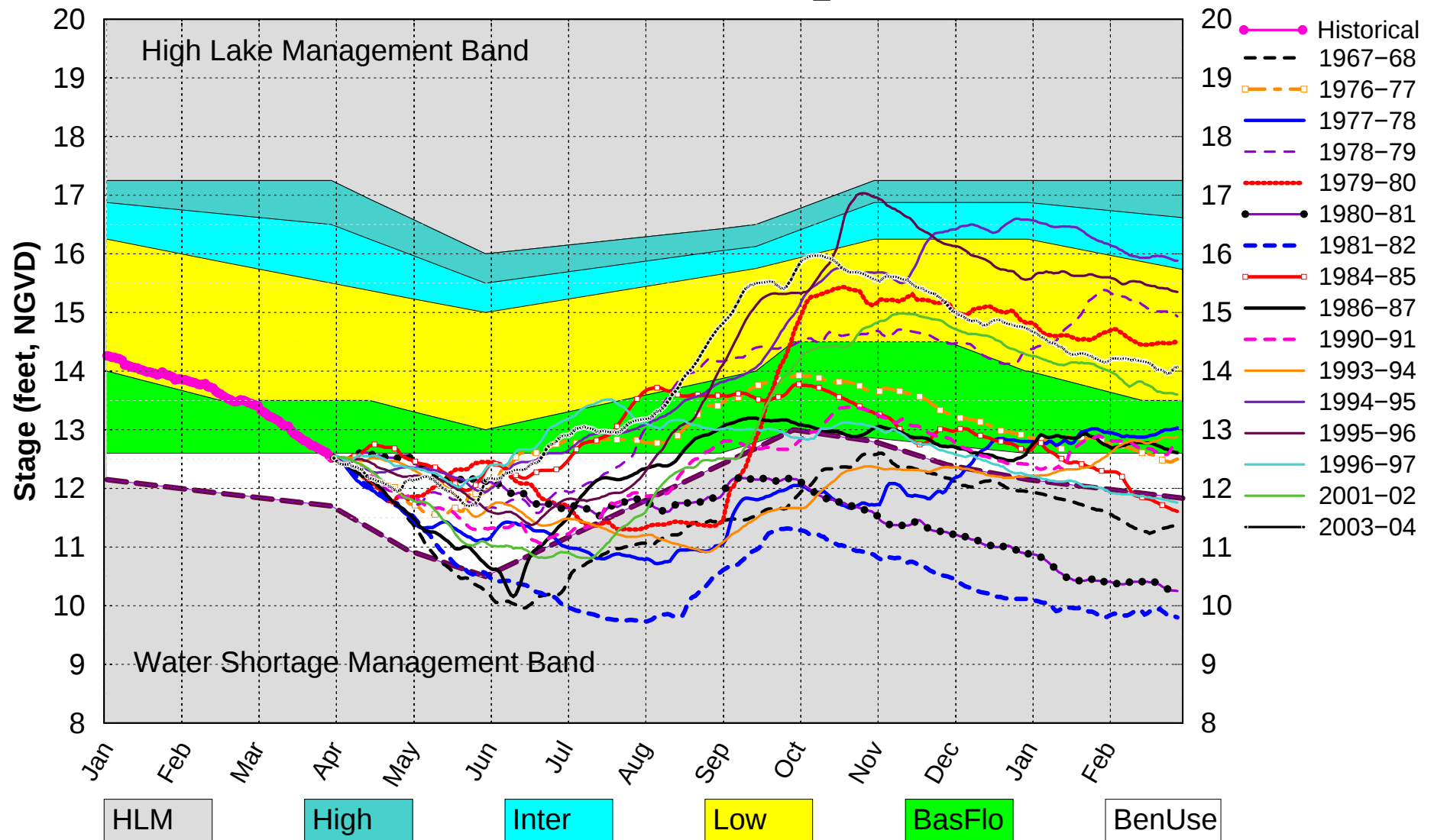
Lake Okeechobee SFWMM Apr 2017 Dynamic Position Analysis

All Simulated Years Plot PA_DPA



Lake Okeechobee SFWMM Apr 2017 Dynamic Position Analysis

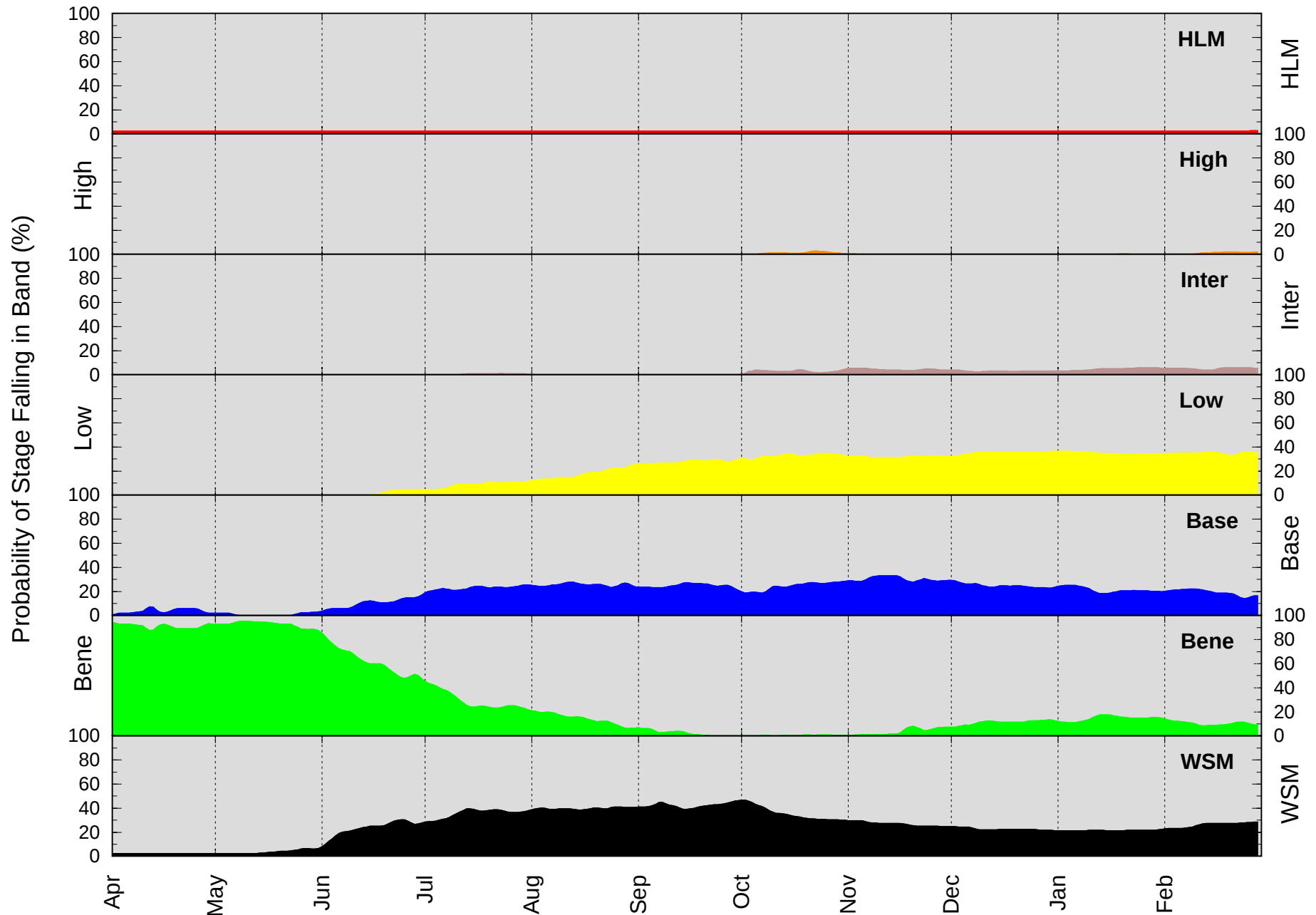
All ENSO Neutral Years Plot PA_DPA



(See assumptions on the Position Analysis Results website)

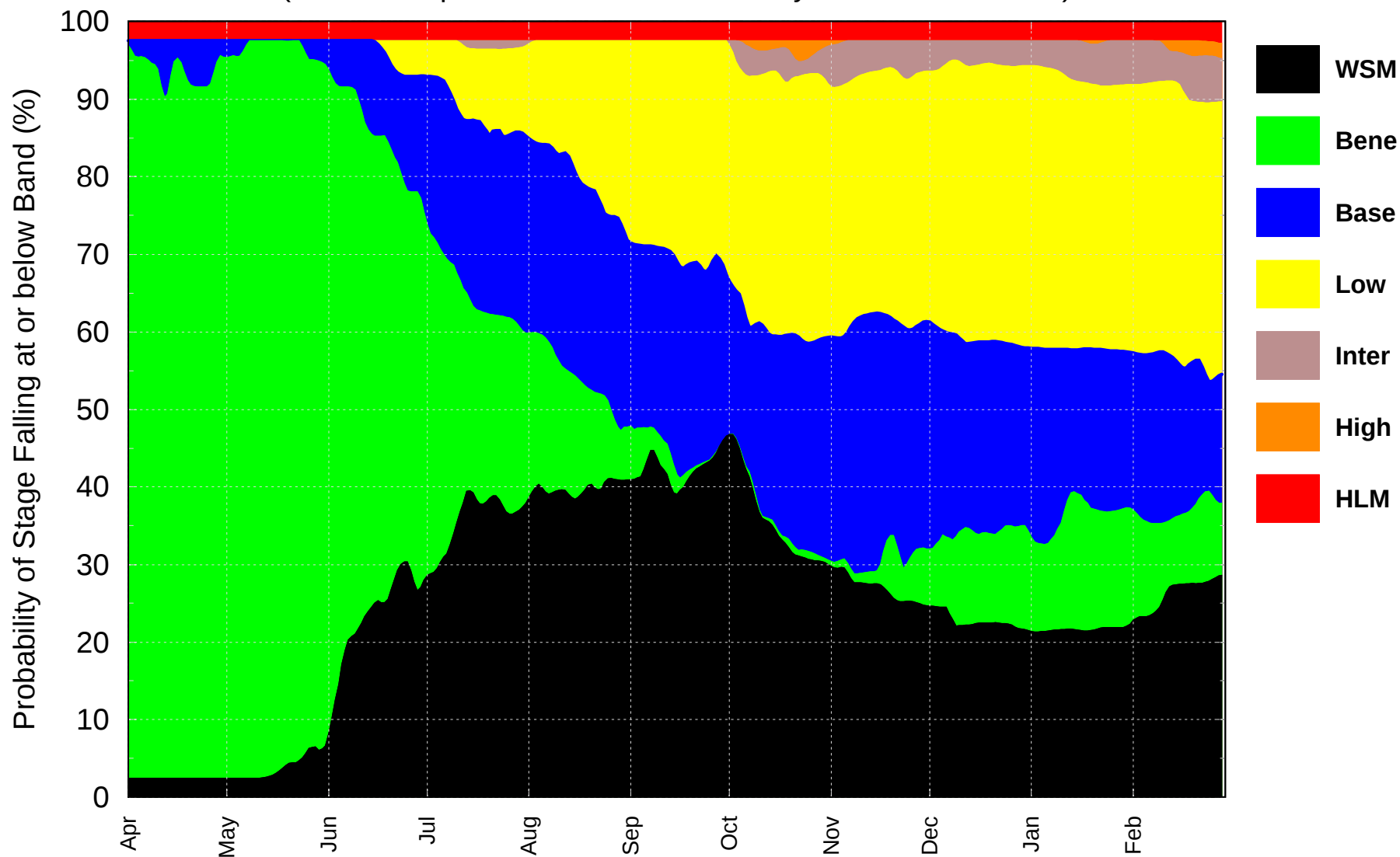
Lake Okeechobee – Band Probabilities

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



Lake Okeechobee – Probabilities for Operational Bands

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



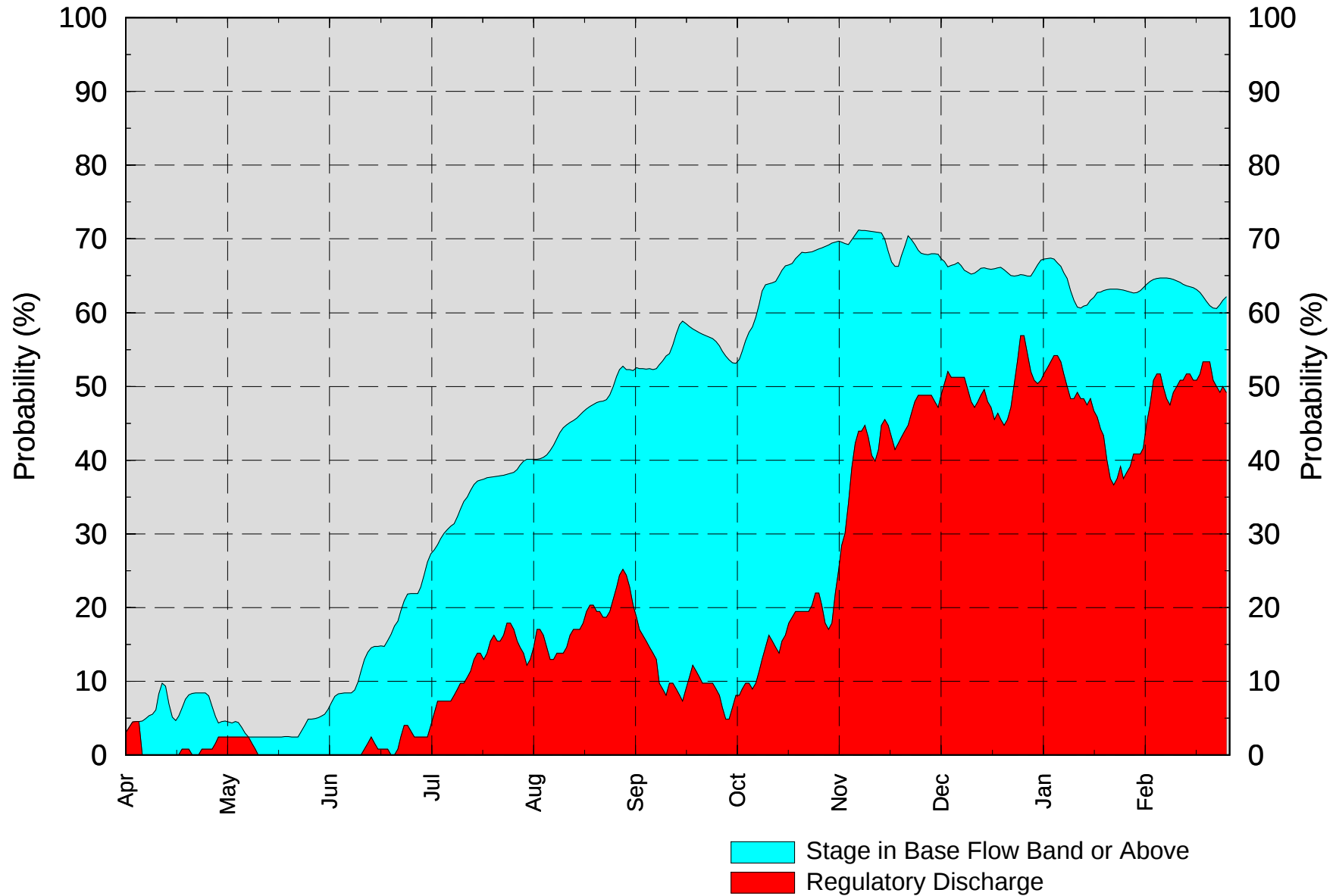
The width for each band gives the probability of stage falling in that band, as defined by the operational schedules.

Lake Okechobee Band Probabilities (%) at the Beginning of Each Month
 '(See assumptions on the Position Analysis Results website)'
 Initial Stage 13.33 ft. for 03/01/2017

Date	HLM	High	Inter	Low	Base	Bene	WSM
2017 03 01	2.4	0.0	0.0	0.0	95.1	0.0	2.4
2017 04 01	2.4	0.0	0.0	0.0	0.6	94.5	2.4
2017 05 01	2.4	0.0	0.0	0.0	2.2	92.9	2.4
2017 06 01	2.4	0.0	0.0	0.0	3.8	85.5	8.3
2017 07 01	2.4	0.0	0.0	4.6	19.1	45.2	28.6
2017 08 01	2.4	0.0	0.4	12.3	25.1	21.2	38.6
2017 09 01	2.4	0.0	-0.0	26.1	23.6	6.9	40.9
2017 10 01	2.4	0.0	0.6	30.5	19.8	0.0	46.8
2017 11 01	2.4	0.6	5.4	32.3	28.9	0.6	29.8
2017 12 01	2.4	-0.0	3.9	32.4	29.2	7.4	24.7
2018 01 01	2.4	-0.0	3.2	36.5	24.3	12.2	21.4
2018 02 01	2.4	-0.0	5.7	34.6	20.2	14.2	22.8

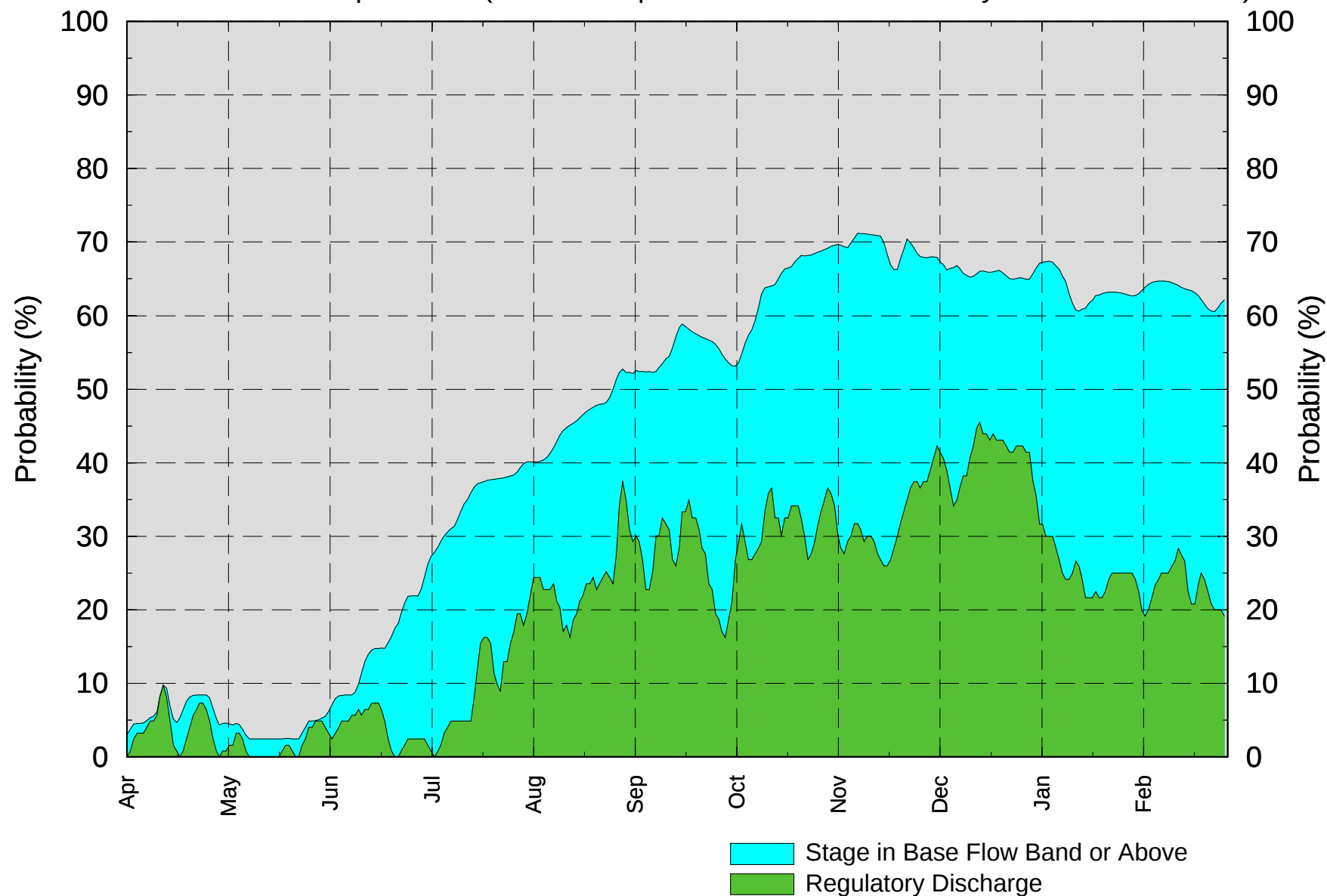
Lake Okeechobee – LORS2008 Releases to the Estuaries

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



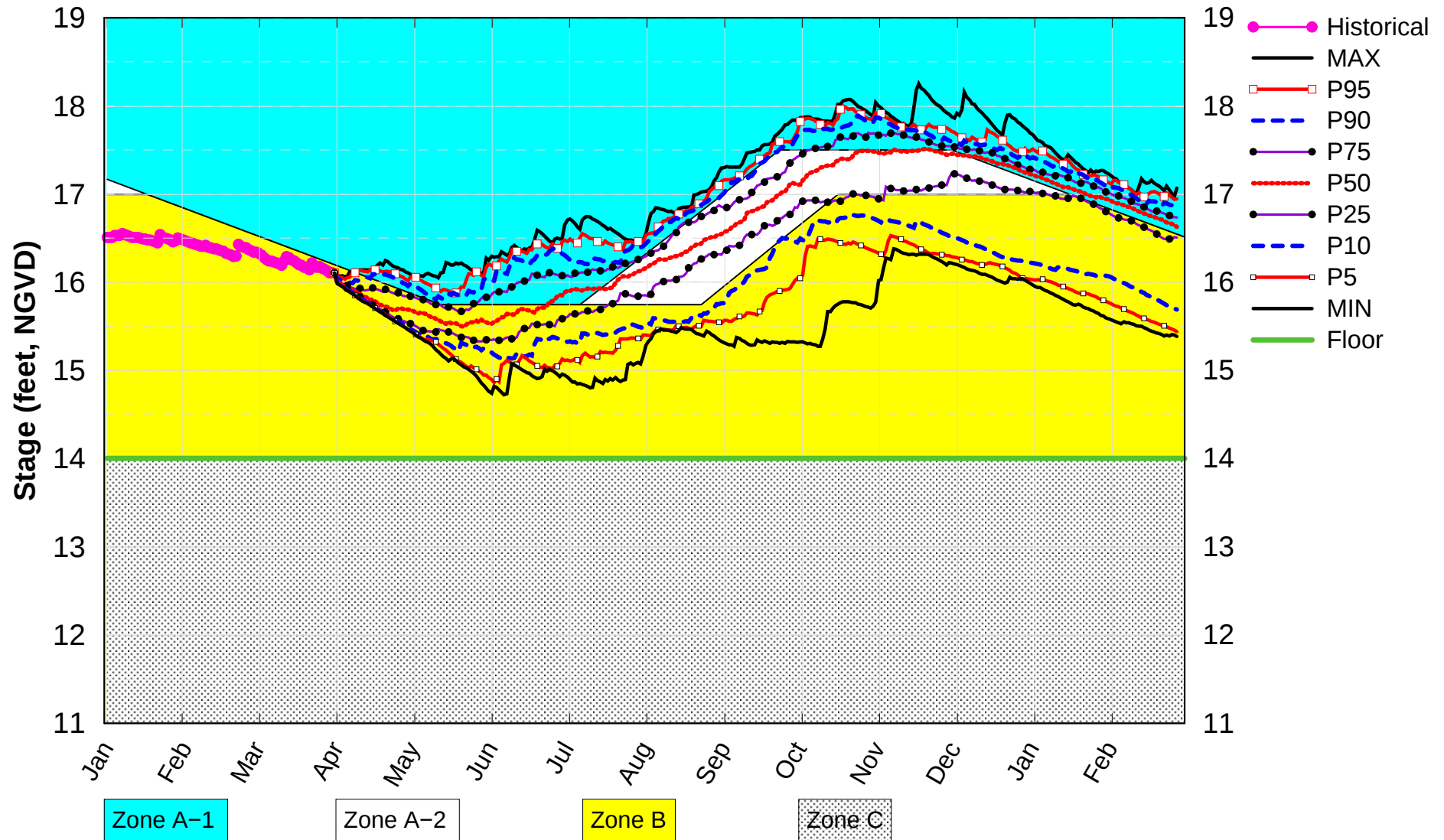
Lake Okeechobee – LORS2008 Releases to the WCA's

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



WCA1 SFWMM Apr 2017 Dynamic Position Analysis

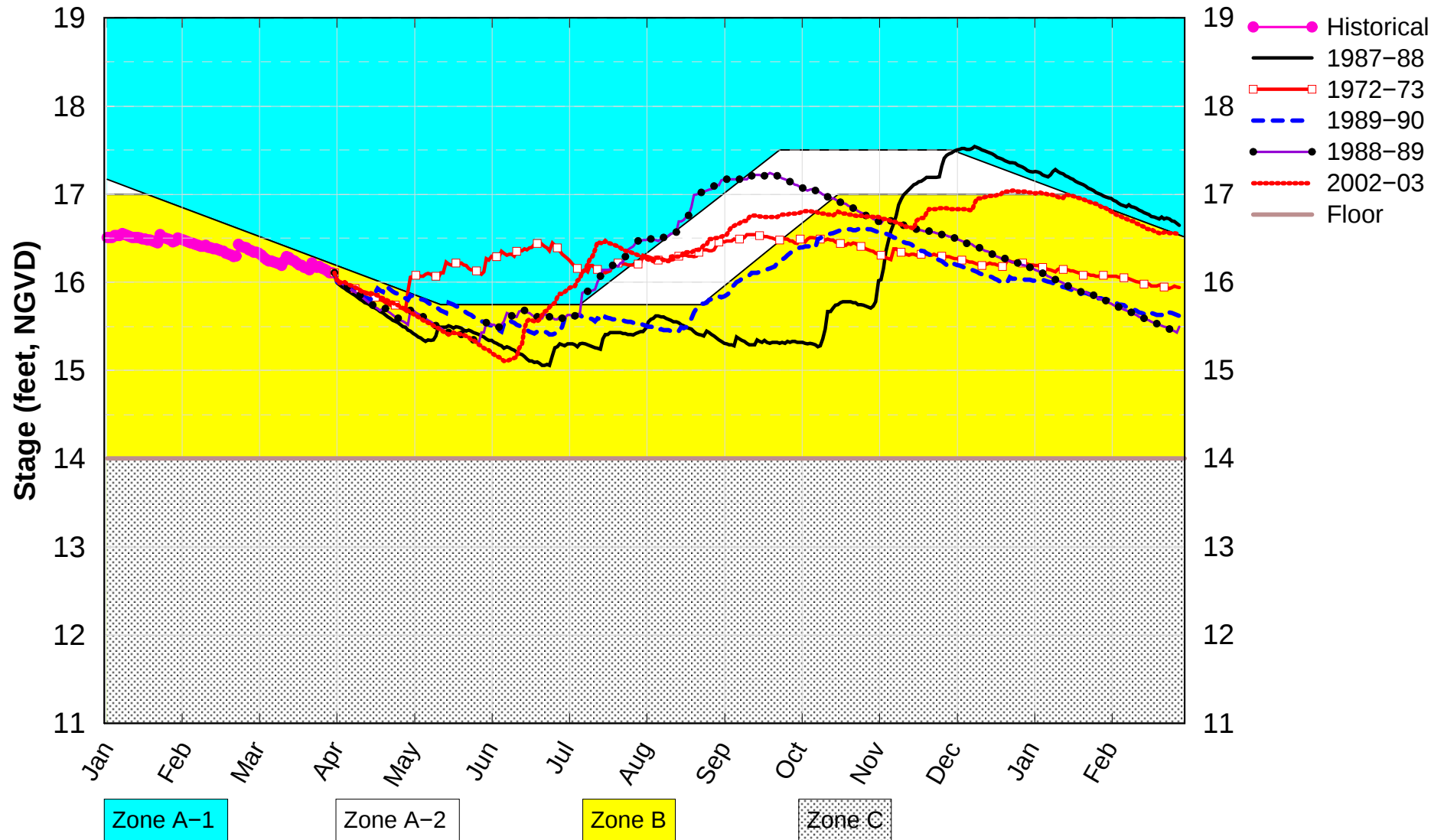
Percentiles PA_DPA



(See assumptions on the Position Analysis Results website)

WCA1 SFWMM Apr 2017 Dynamic Position Analysis

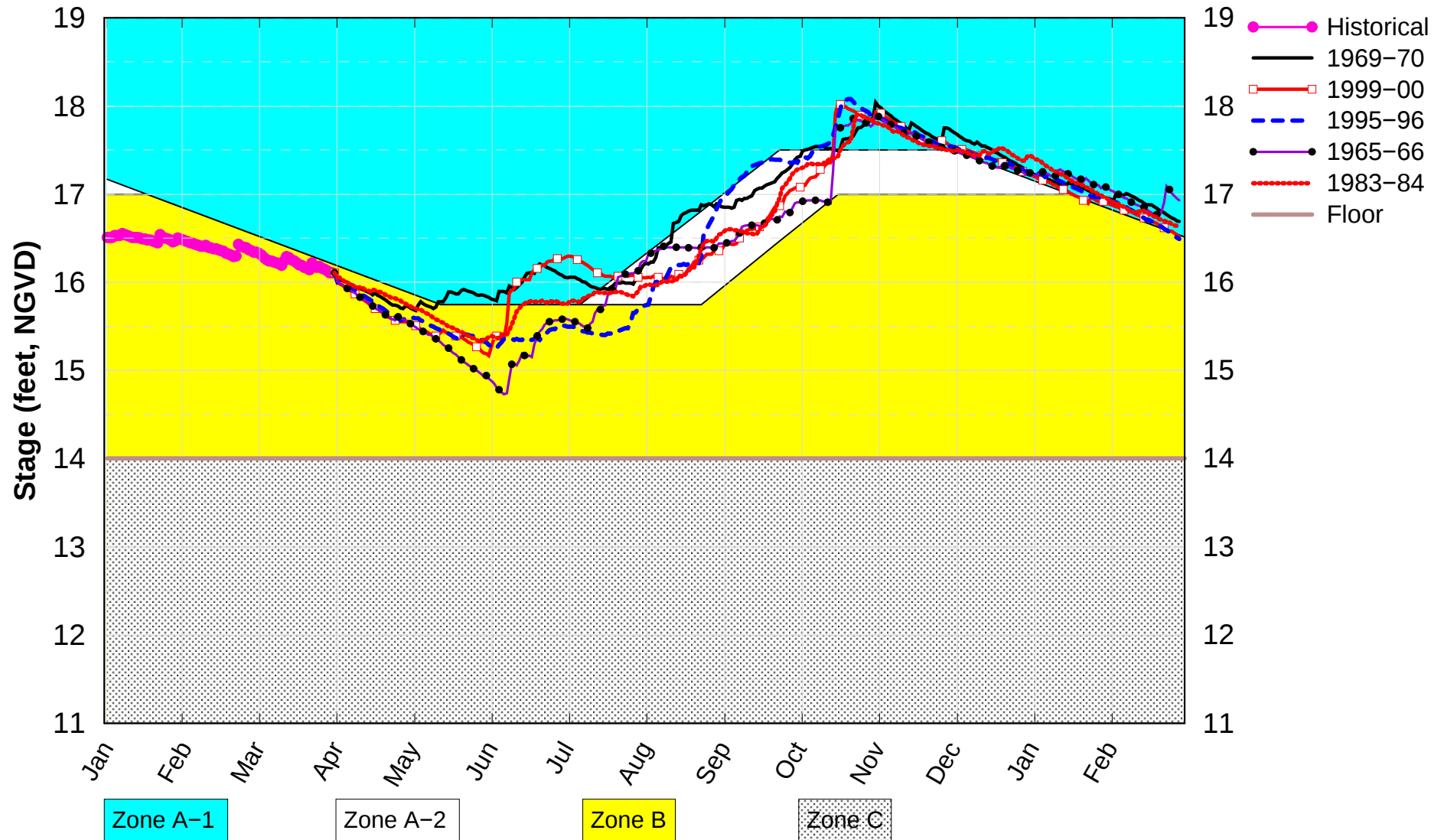
Dry Years Plot PA_DPA



(See assumptions on the Position Analysis Results website)

WCA1 SFWMM Apr 2017 Dynamic Position Analysis

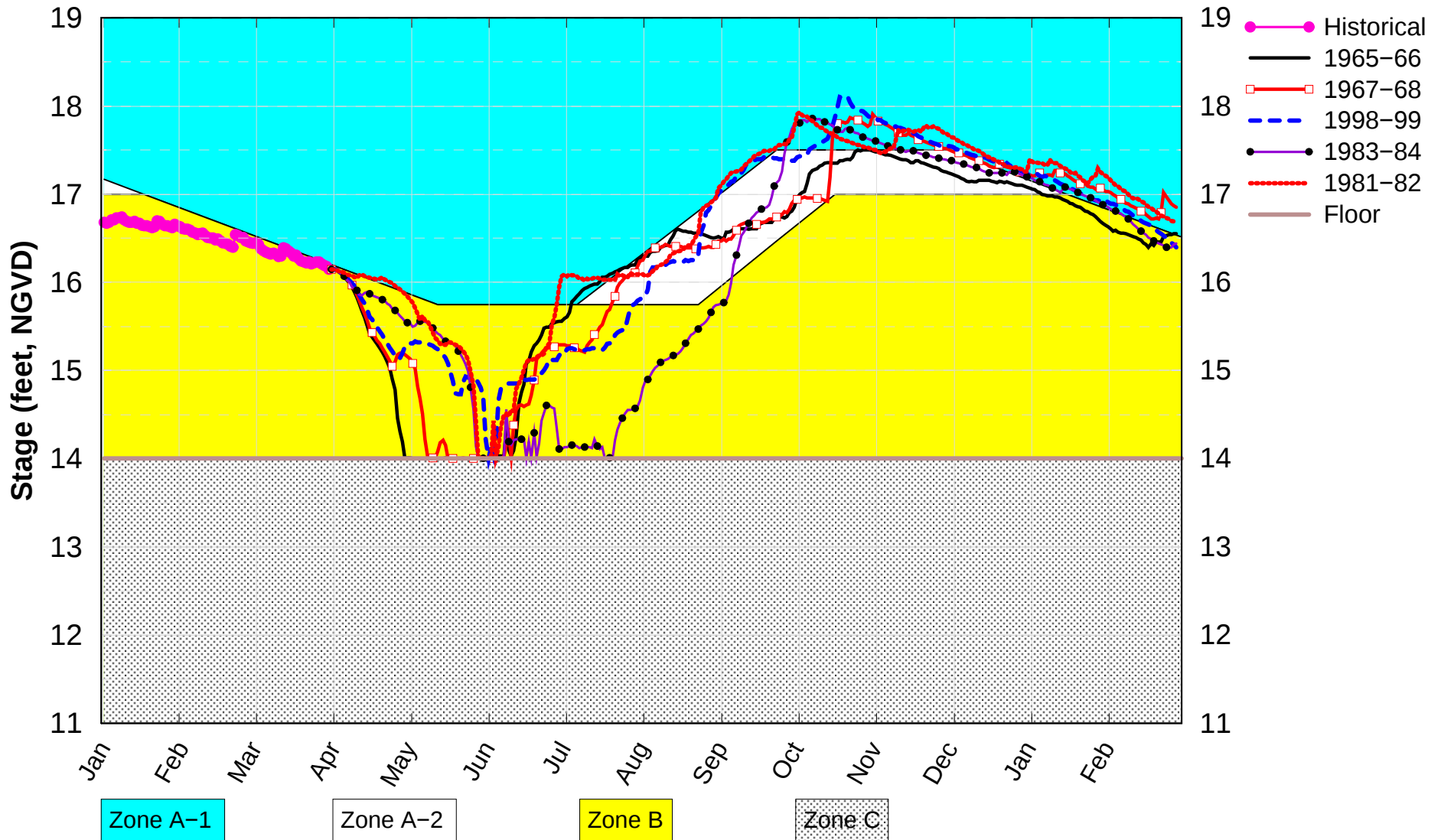
Wet Years Plot PA_DPA



(See assumptions on the Position Analysis Results website)

CA1 Canal SFWMM Apr 2017 Dynamic Position Analysis

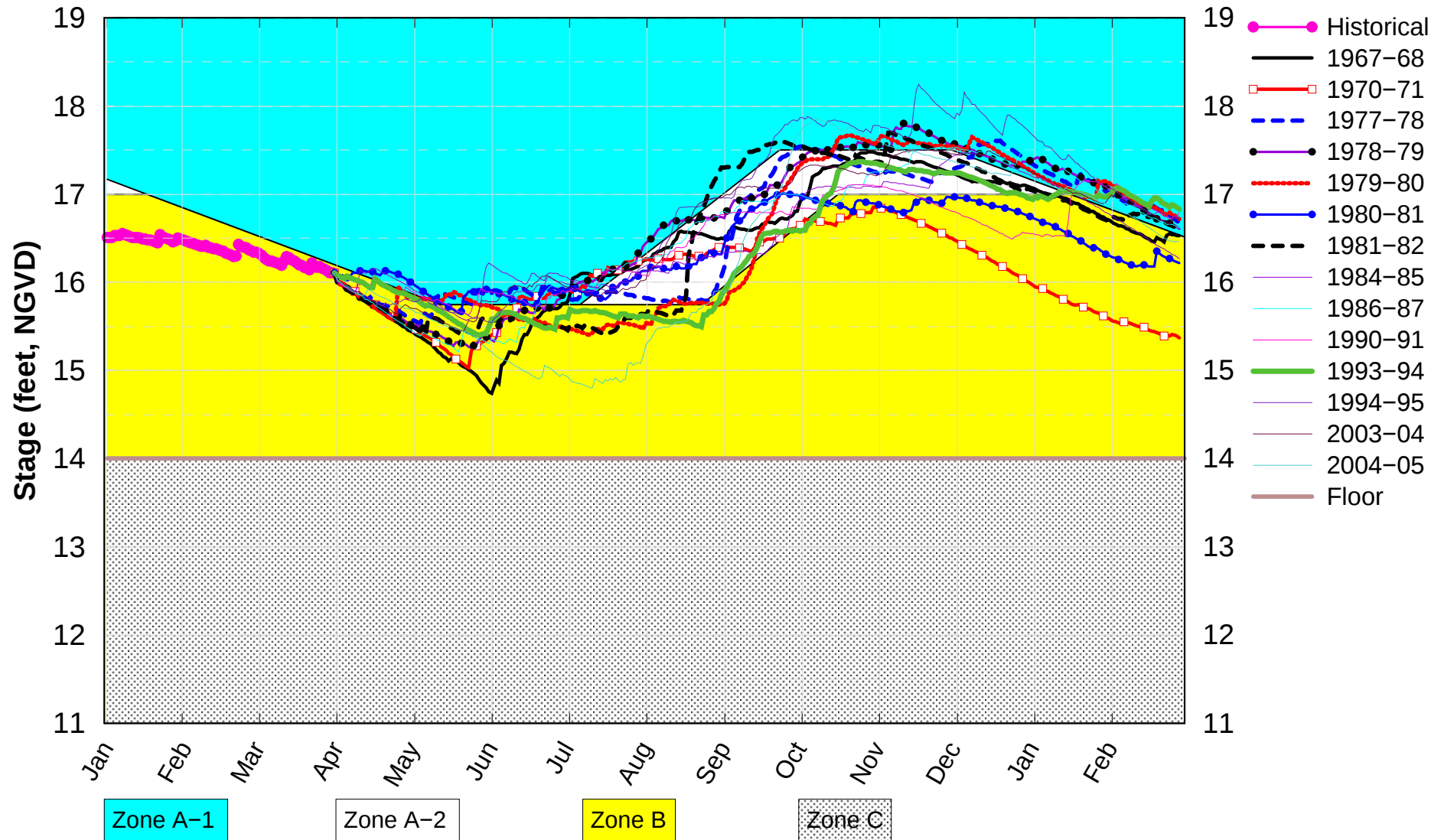
PA_DPA Dry Years Plot



(See assumptions on the Position Analysis Results website)

WCA1 SFWMM Apr 2017 Dynamic Position Analysis

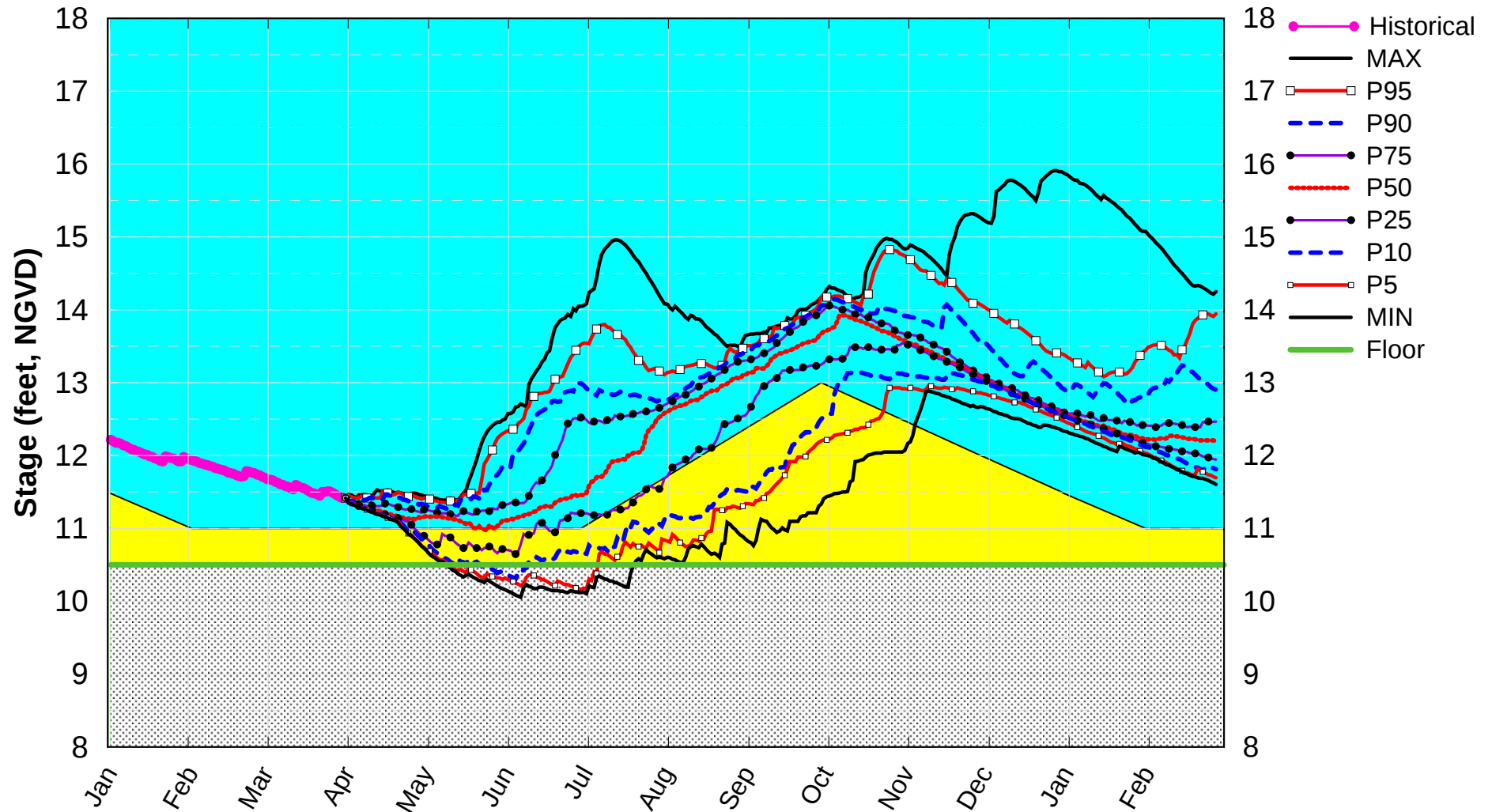
All ENSO Neutral Years Plot PA_DPA



(See assumptions on the Position Analysis Results website)

WCA2A SFWMM Apr 2017 Dynamic Position Analysis

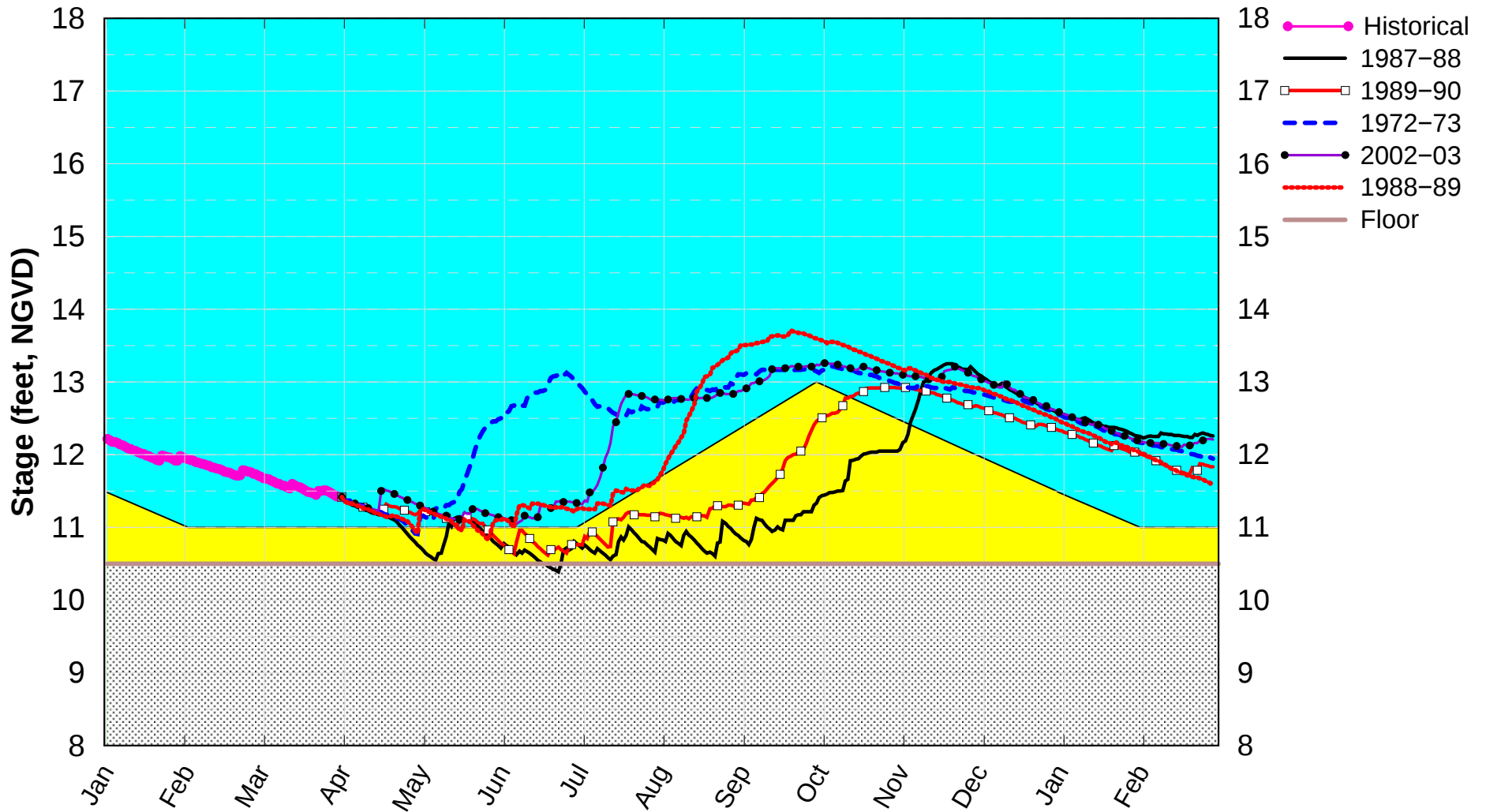
Percentiles PA_DPA



(See assumptions on the Position Analysis Results website)

WCA2A SFWMM Apr 2017 Dynamic Position Analysis

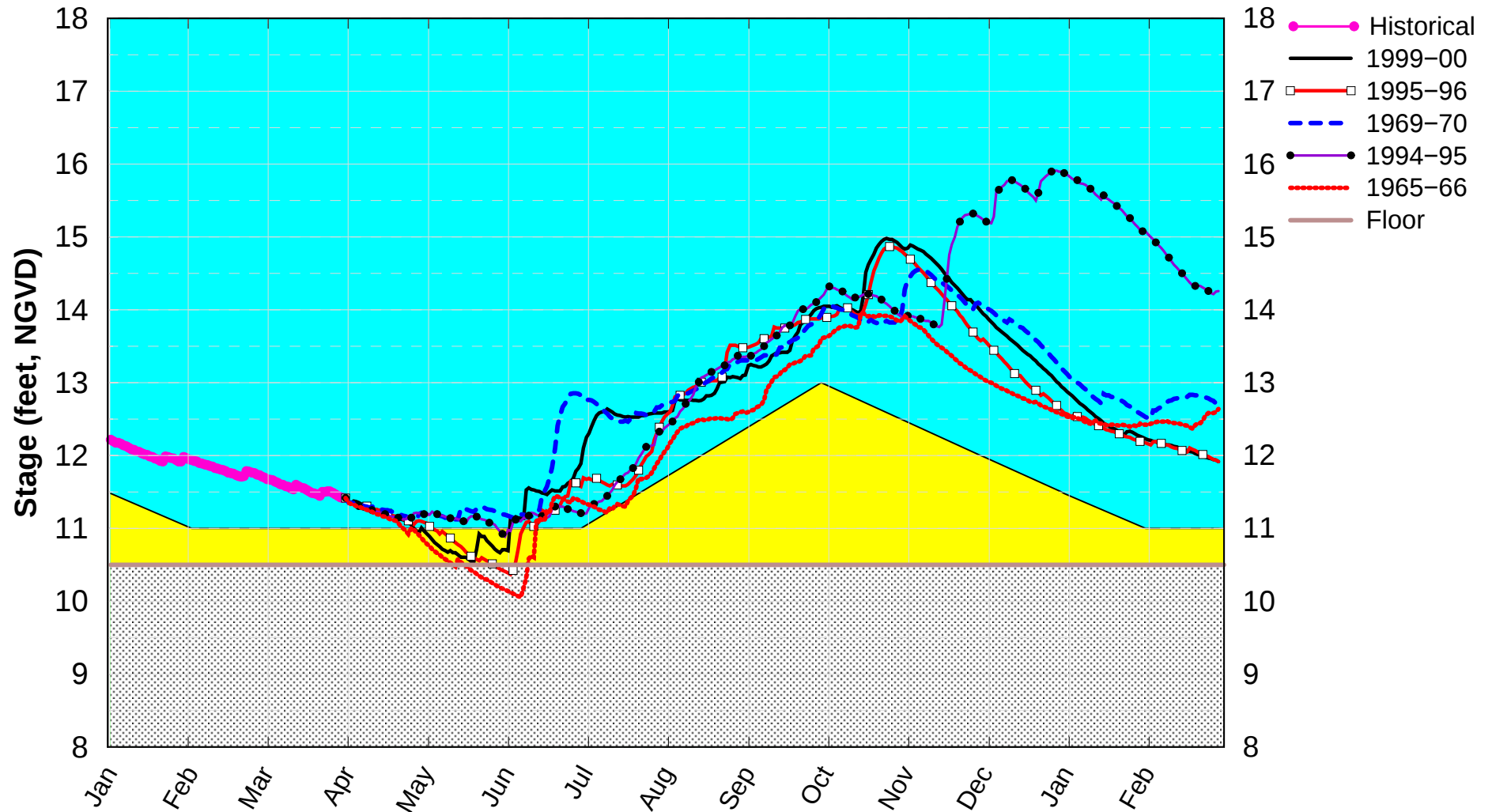
Dry Years Plot PA_DPA



(See assumptions on the Position Analysis Results website)

WCA2A SFWMM Apr 2017 Dynamic Position Analysis

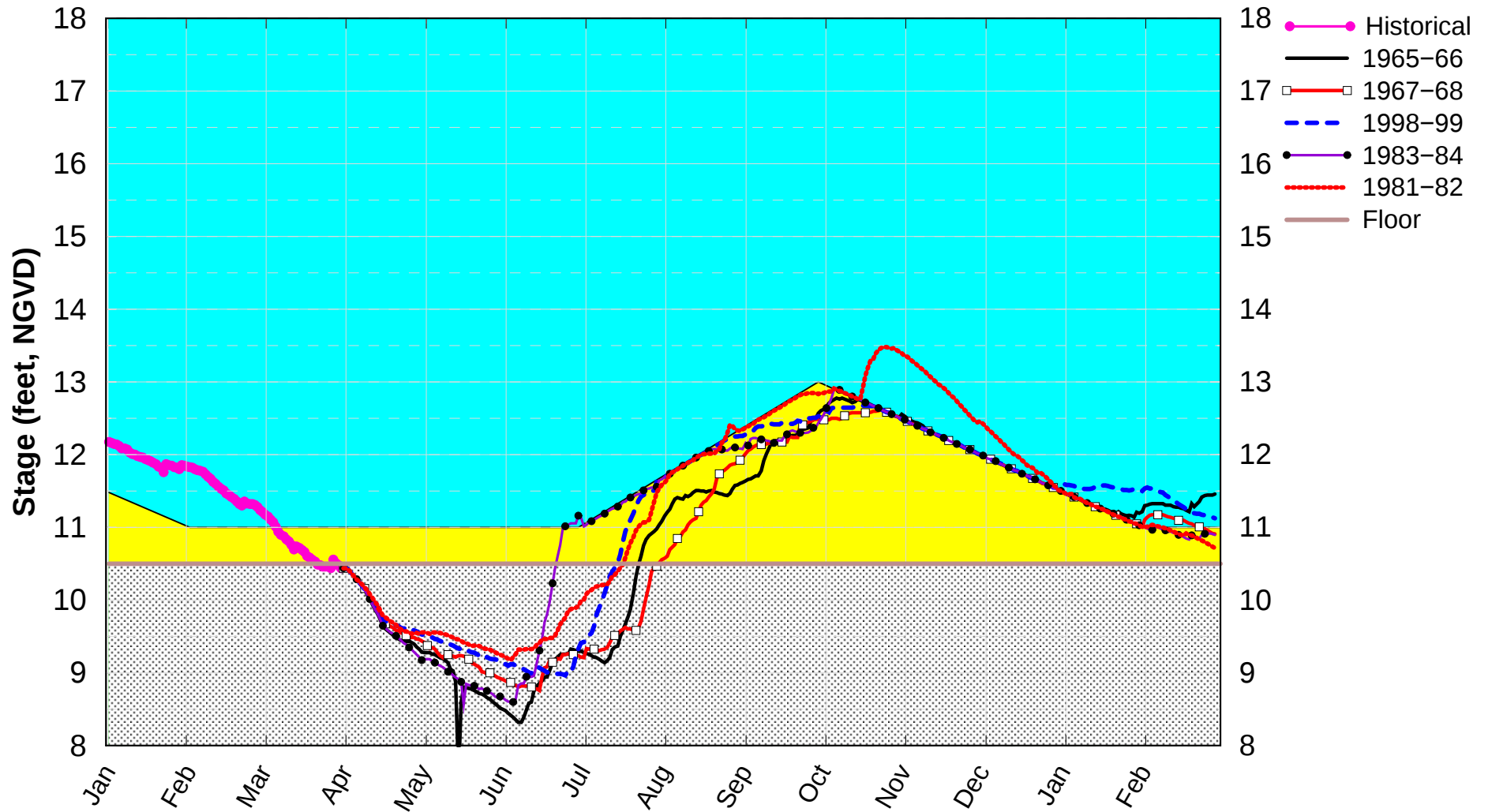
Wet Years Plot PA_DPA



(See assumptions on the Position Analysis Results website)

L38 Canal SFWMM Apr 2017 Dynamic Position Analysis

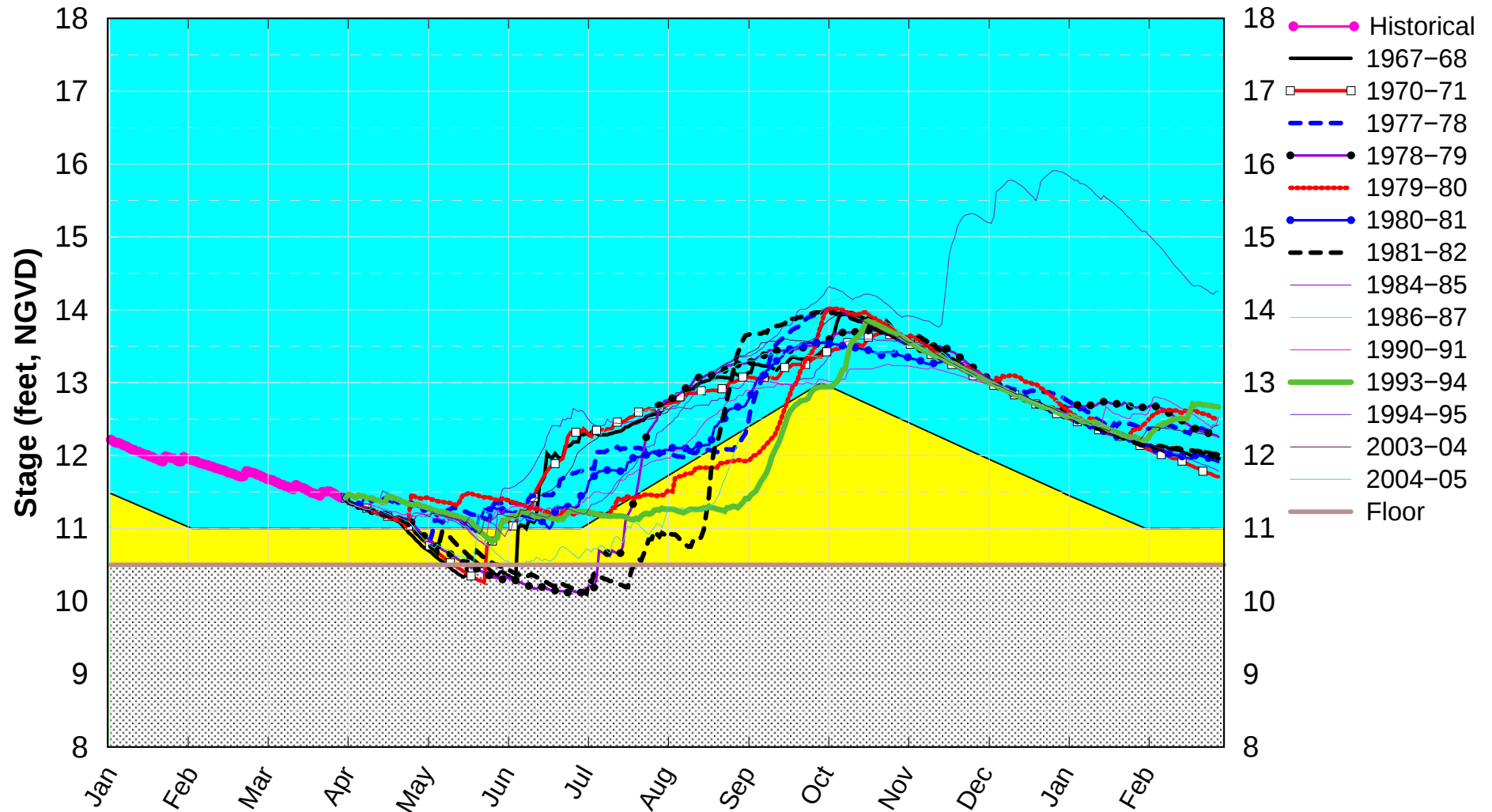
PA_DPA Dry Years Plot



(See assumptions on the Position Analysis Results website)

WCA2A SFWMM Apr 2017 Dynamic Position Analysis

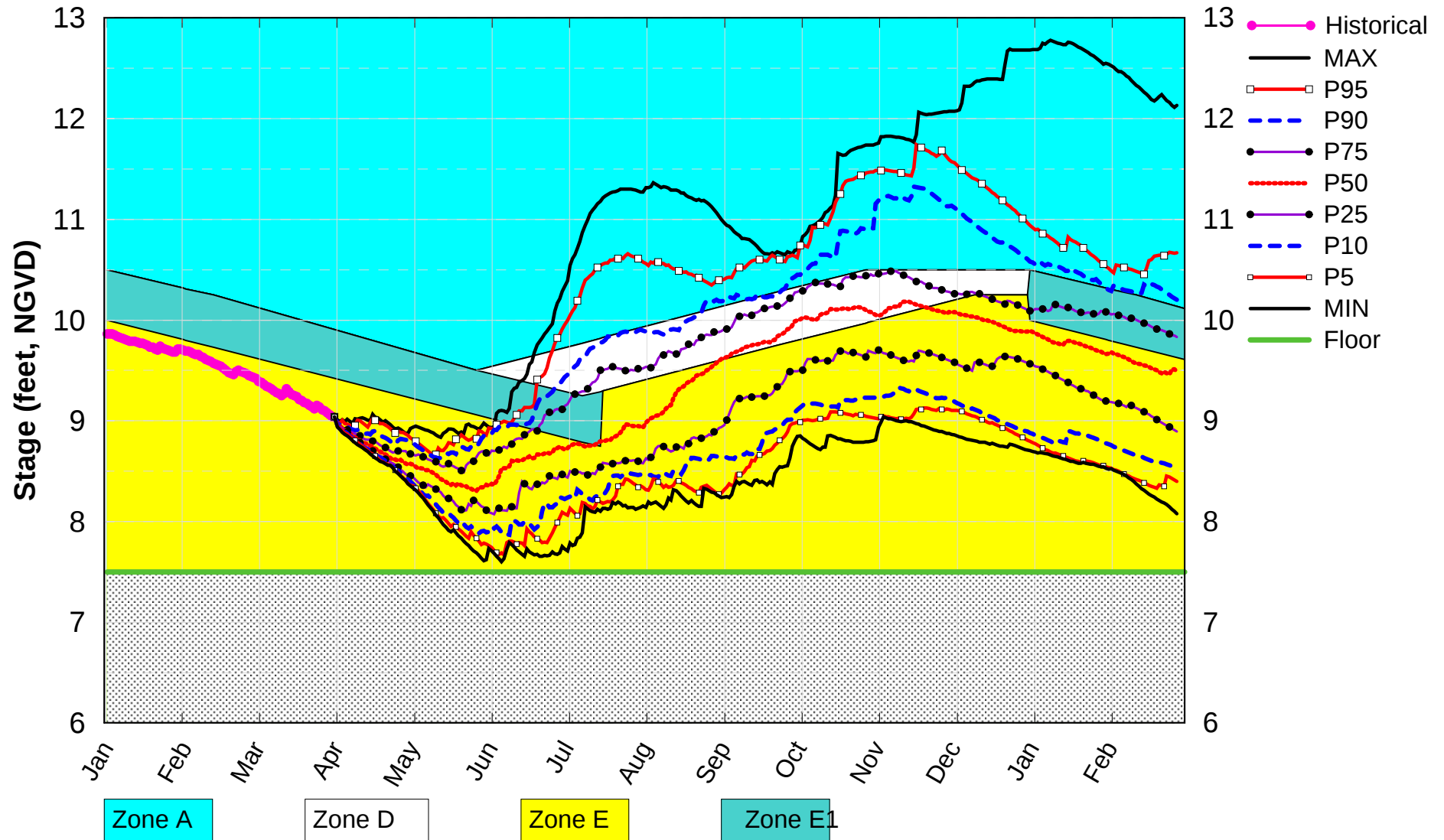
All ENSO Neutral Years Plot PA_DPA



(See assumptions on the Position Analysis Results website)

WCA3A SFWMM Apr 2017 Dynamic Position Analysis

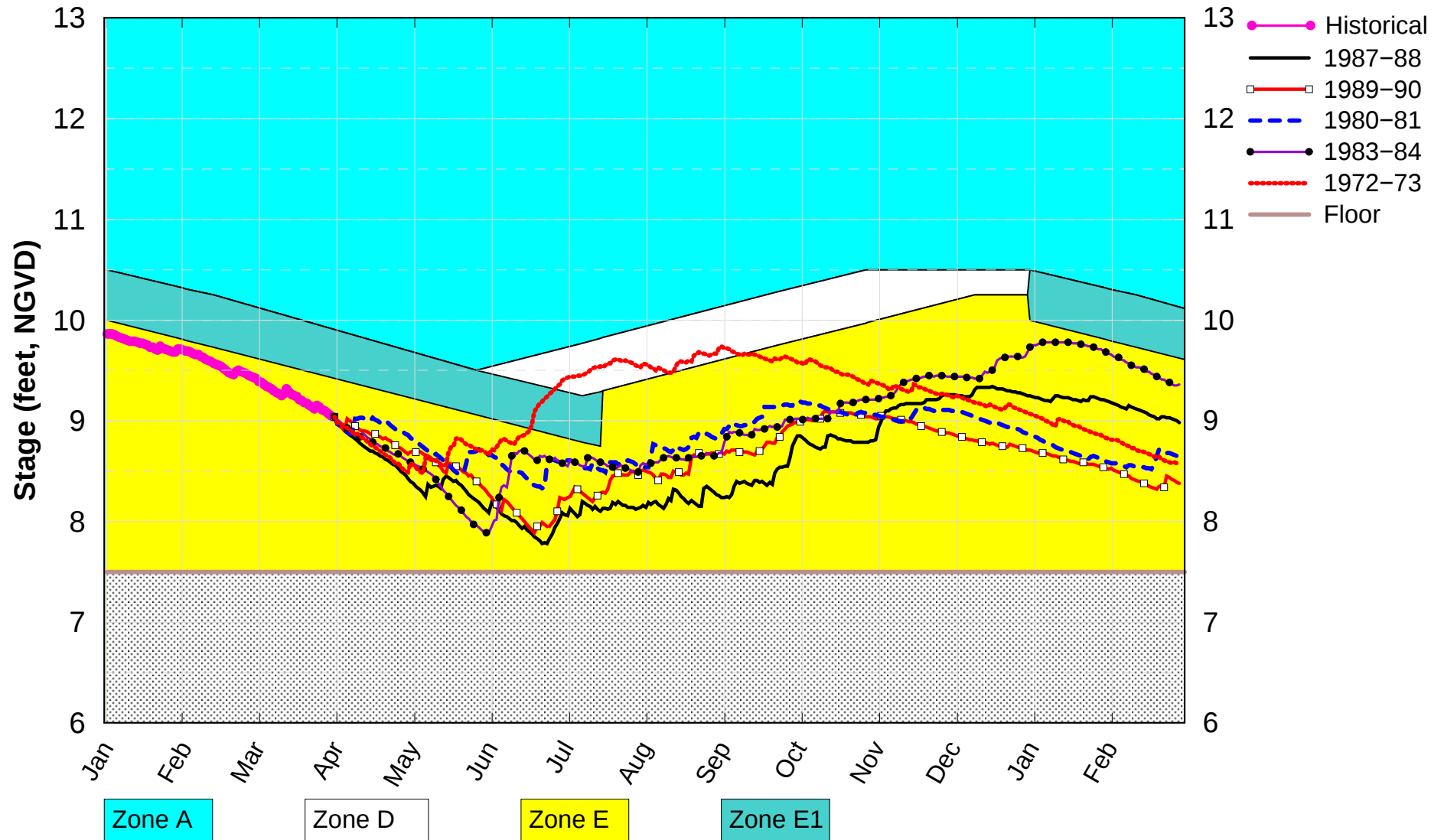
Percentiles PA_DPA



(See assumptions on the Position Analysis Results website)

WCA3A SFWMM Apr 2017 Dynamic Position Analysis

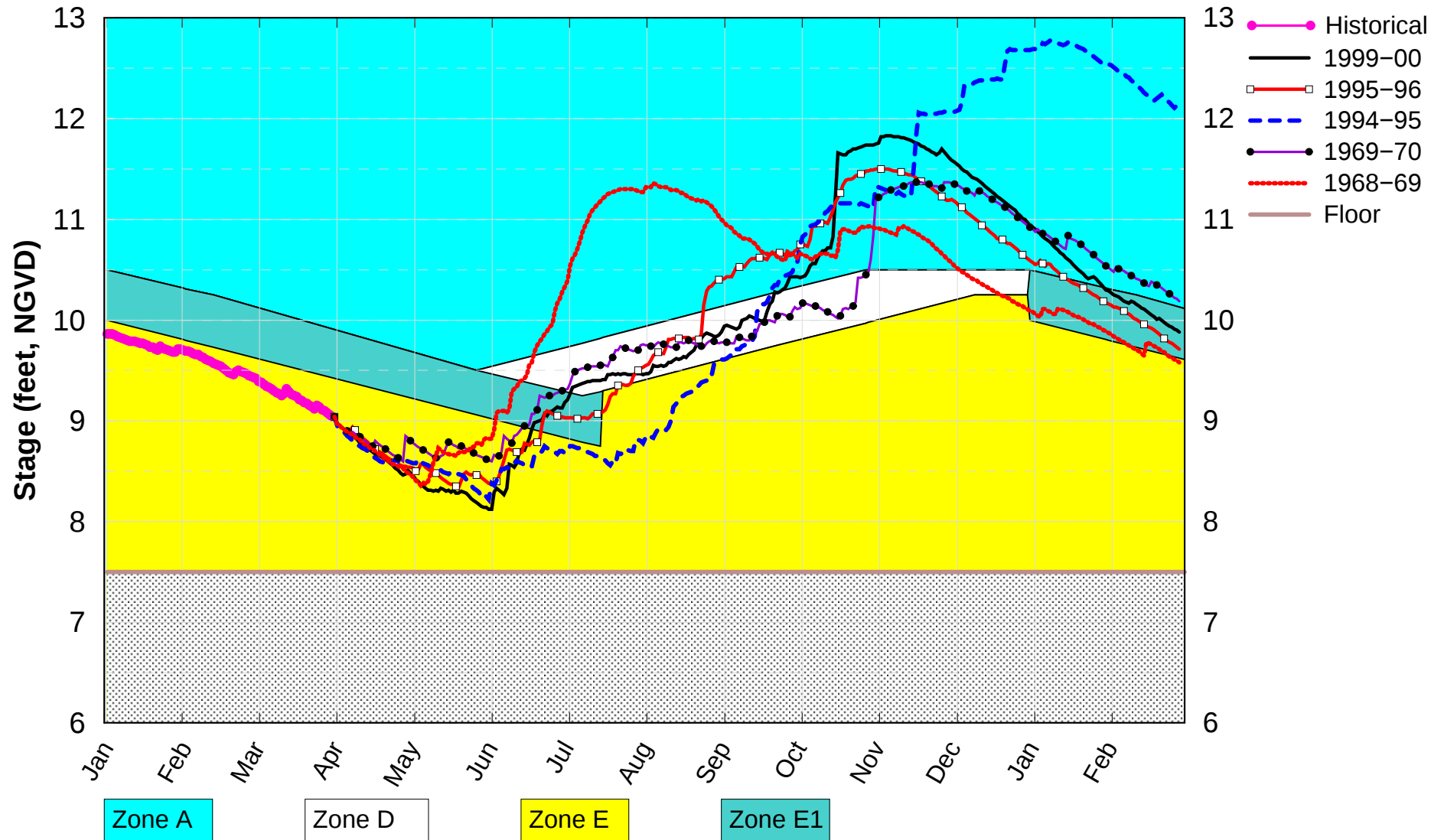
Dry Years Plot PA_DPA



(See assumptions on the Position Analysis Results website)

WCA3A SFWMM Apr 2017 Dynamic Position Analysis

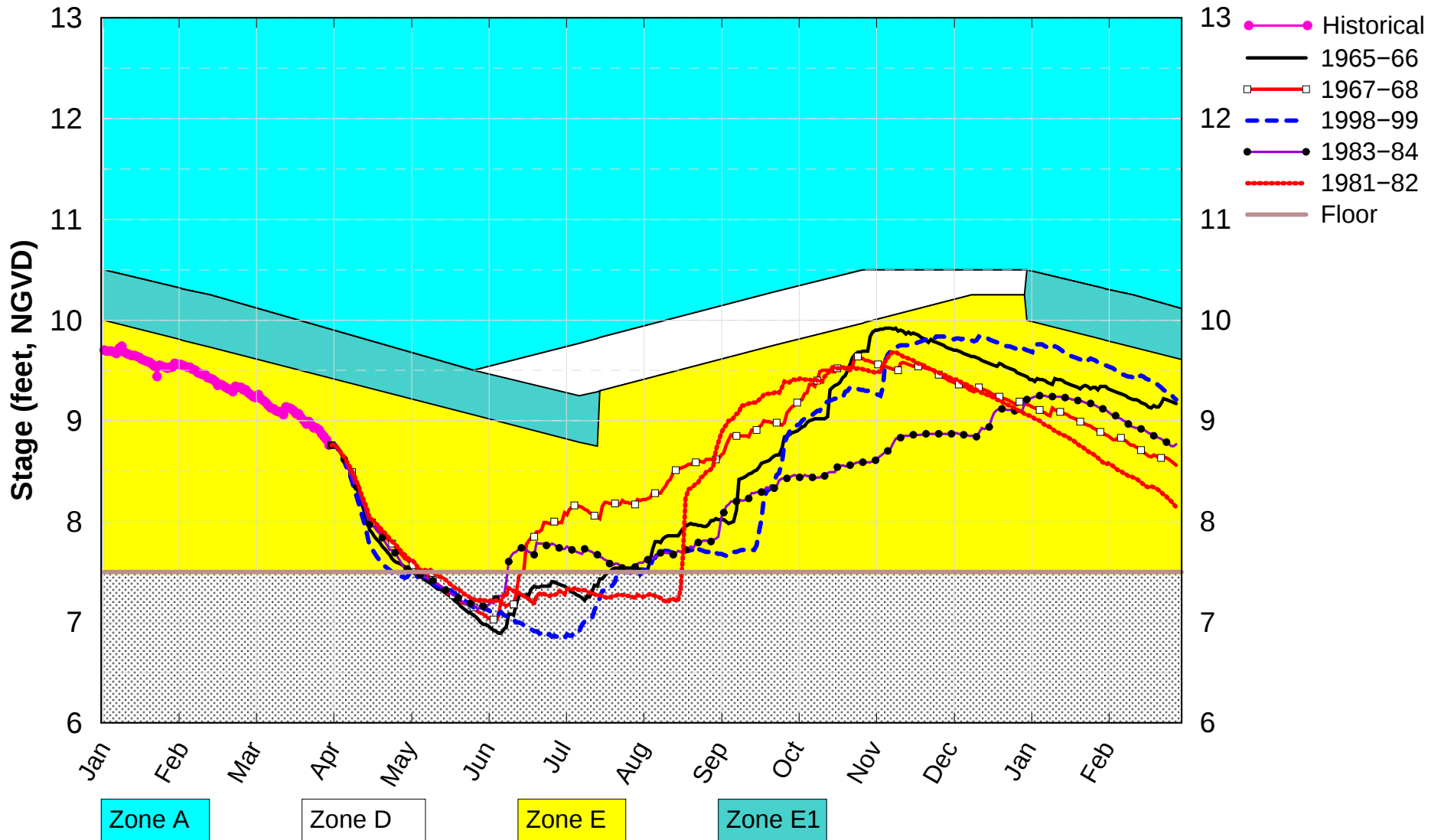
Wet Years Plot PA_DPA



(See assumptions on the Position Analysis Results website)

CA3 Canal SFWMM Apr 2017 Dynamic Position Analysis

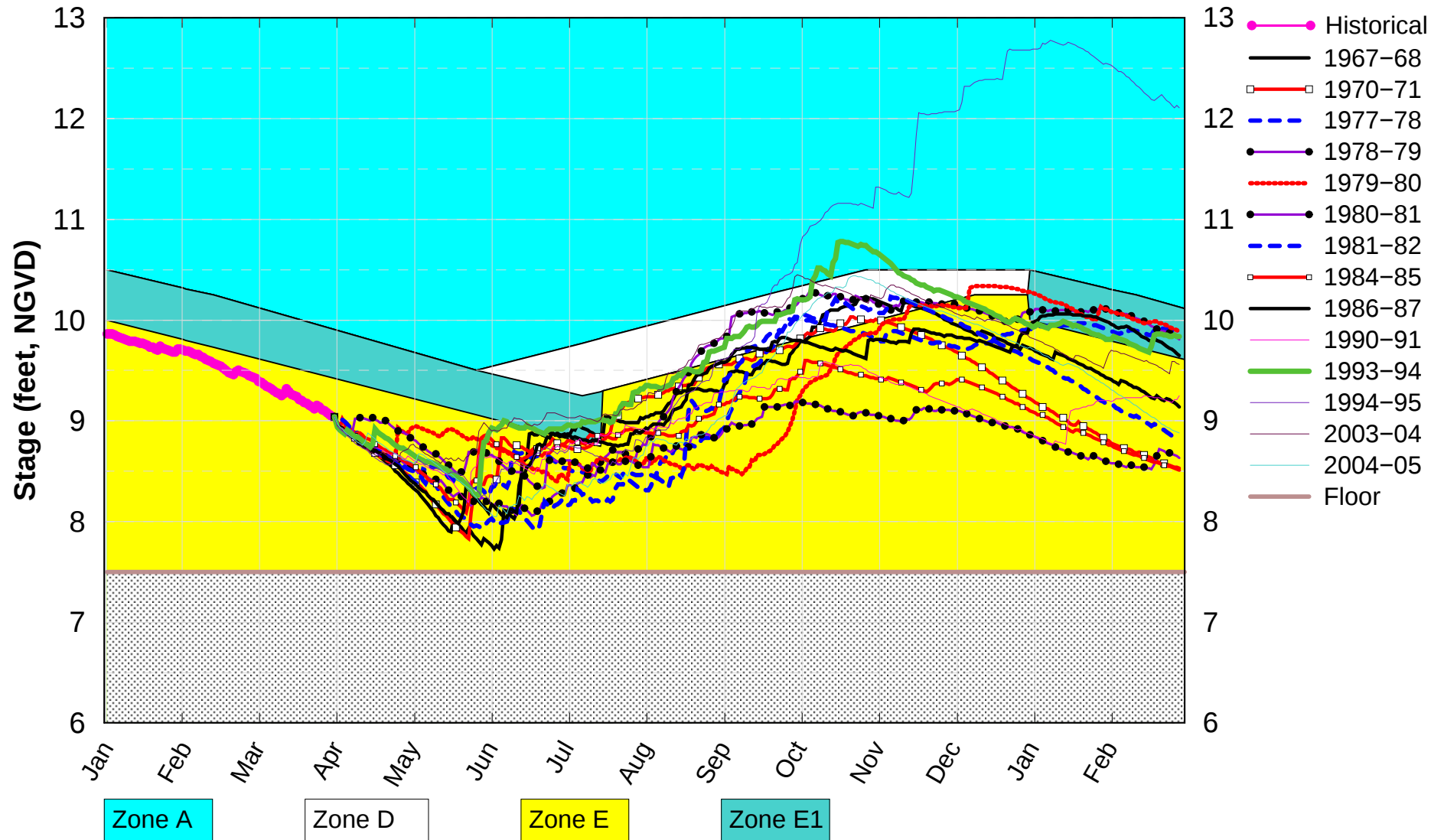
PA_DPA Dry Years Plot



(See assumptions on the Position Analysis Results website)

WCA3A SFWMM Apr 2017 Dynamic Position Analysis

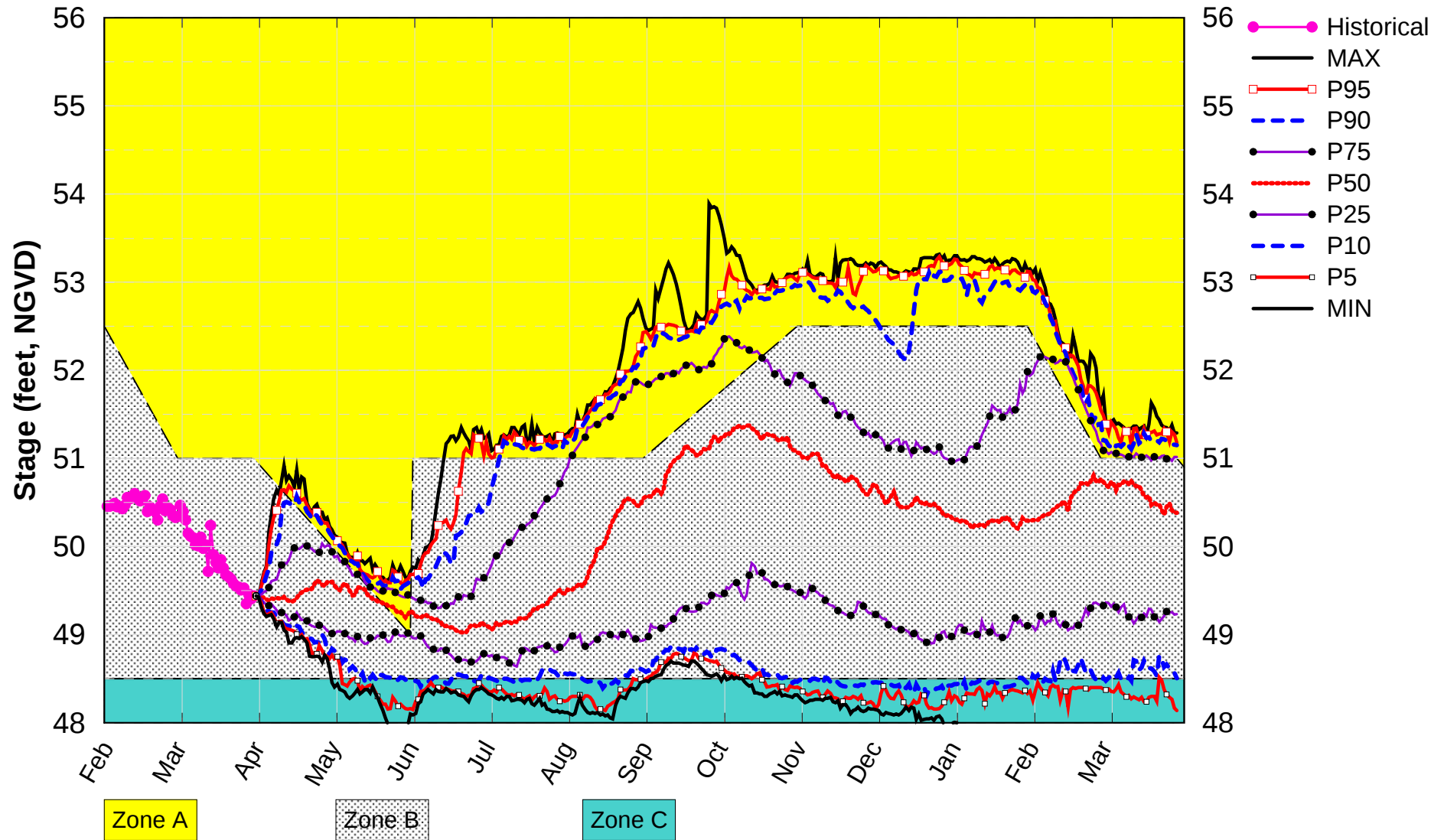
All ENSO Neutral Years Plot PA_DPA



(See assumptions on the Position Analysis Results website)

S65 UK-OPS Apr 1 2017 Position Analysis

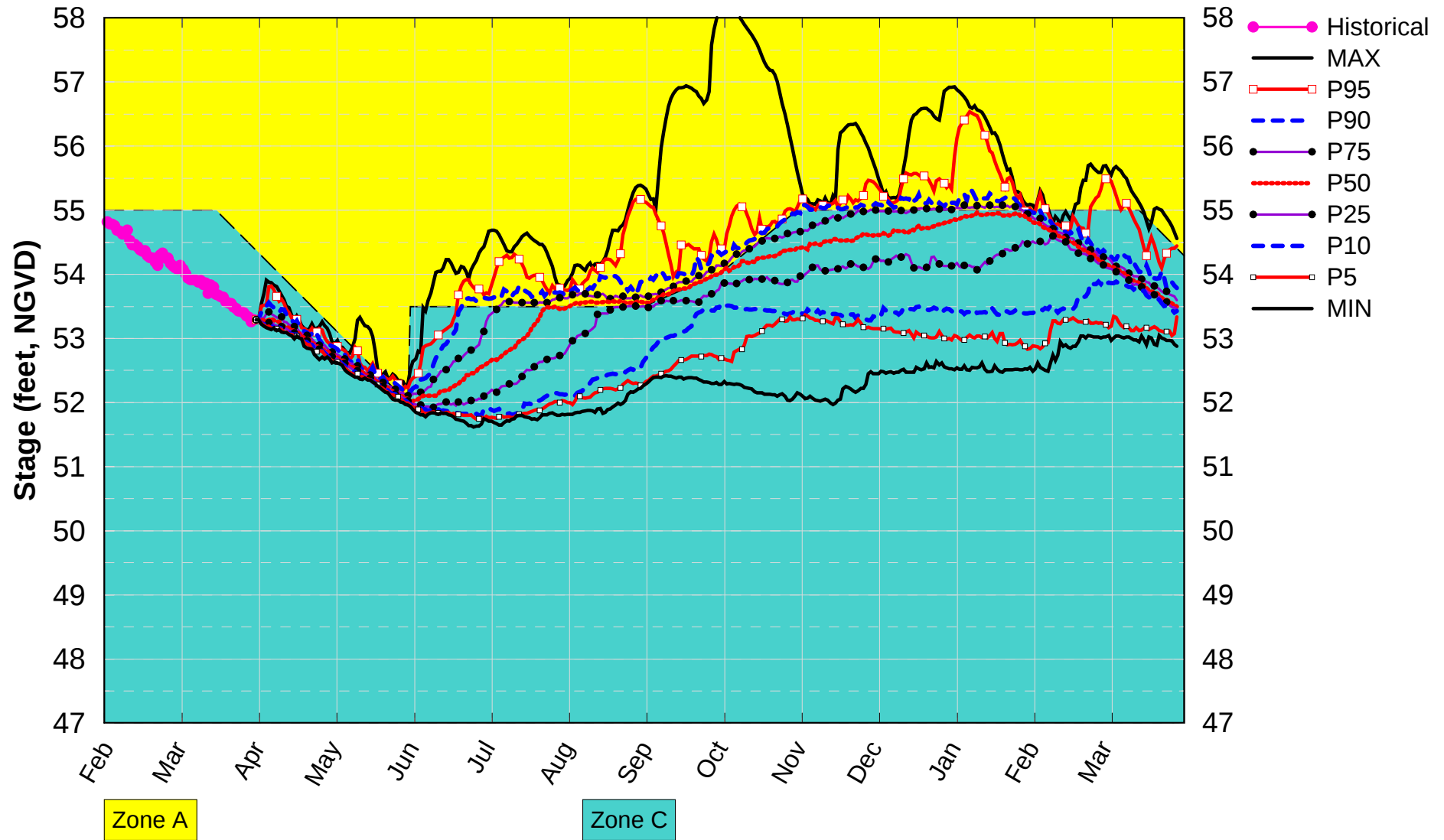
UK-OPS_DPA Unconditional PA



(See assumptions on the Position Analysis Results website)

S61 UK-OPS Apr 1 2017 Position Analysis

UK-OPS_DPA Unconditional PA



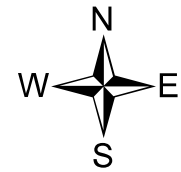
(See assumptions on the Position Analysis Results website)

For the Dynamic Position Analysis the Upper Kissimmee Operations Screening (UK-OPS) Model is used to simulate water levels and releases from Lakes Kissimmee-Cypress-Hatchineha, Tohopekaliga, and East Lake Tohopekaliga. The UK-OPS Model 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	:Canal Name	:SFWMM Name	:Location	:SFWMD sensor
stage (ft)				
WPB	:C-18	:C18	:G92-H	: 12.78
WPB	:C-17	:C17	:S44-H	: 7.10
WPB	:C-51W	:C51W	:S5AE-T	: 10.88
WPB	:C-51	:C51	:S155-H	: 7.80
WCA	:WCA-1 L-40	:CA1	:1-8C	: 16.15
FTLD	:Hillsboro Canal	:HLSB	:G56-H	: 7.87
WCA	:WCA-2A L-38	:L38	:S11B-H	: 10.44
WCA	:WCA-2A L-39	:CA2A	:S10A-T	: 12.17
FTLD	:C-14	:C14	:S37B-H	: 6.90
FTLD	:C-14E	:C14E	:S37A-H	: 3.25
FTLD	:Pompano	:POMP	:G57-H	: 4.74
FTLD	:C-12	:C12	:S33-H	: 3.28
FTLD	:C-13	:C13	:S36-H	: 4.62
FTLD	:North New River Canal	:NNRC	:G54-H	: 4.14
MIAMI	:L-33	:L33	:S30-H	: 5.36
MIAMI	:C-304	:C304	:S31-H	: 7.28
MIAMI	:C-9	:C9	:S29-H	: 2.29
MIAMI	:C-9 DEN	:C9DEN	:S29-H	: 2.29
MIAMI	:C-8	:C8	:S28-H	: 2.03
MIAMI	:C-7	:C7	:S27-H	: 1.97
MIAMI	:C-6	:C6	:S26-H	: 2.75
MIAMI	:C-2/C-4	:C4	:S25B-H	: 2.81
MIAMI	:L-30	:L30	:S335-H	: 6.08
WCA	:WCA-3A L-29	:CA3	:S333-H	: 8.77
WCA	:S-12A	:S12AD	:S12A-T	: 7.91
WCA	:S-12B	:S12BD	:S12B-T	: 7.83
WCA	:S-12C	:S12CD	:S12C-T	: 7.82
WCA	:S-12D	:S12DD	:S12D-T	: 6.51
MIAMI	:L-29	:L29	:S334-H	: 6.40
MIAMI	:C-100C	:C100C	:S119-H	: 2.56
MIAMI	:C-100	:C100	:S118-H	: 2.71
MIAMI	:C-100A	:C100A	:S123-H	: 2.39
HMST	:C-1/S-148	:S148U	:S148-H	: 3.30
HMST	:L-31N	:L31N	:S331-H	: 4.28
HMST	:C-1N	:C1N	:S149-H	: 2.61
MIAMI	:S-21	:S21	:S21-H	: 2.19
HMST	:L-31S	:L31S	:S176-H	: 3.50
MIAMI	:C-102N	:C102N	:S21A-H	: 1.26
HMST	:C-102	:C102	:S165-H	: 2.96
MIAMI	:C-103S	:C103S	:S167-H	: 2.64
HMST	:C-103N	:C103N	:S166-H	: 2.32
HMST	:C-103	:S179	:S179-H	: 2.00
HMST	:L-31W	:L31W	:S332-H	: 3.46
HMST	:C-111	:C111	:S177-H	: 2.67
HMST	:CNO	:CNO	:S179-H	: 2.00
HMST	:C-111E	:C111E	:S18C-H	: 1.89
HMST	:S-197	:S197	:S197-H	: 1.60
EAA	:L-23E	:L23E	:S8-T	: 9.73
EAA	:C-60	:C60	:S140-T	: 9.78

SFWMM Name	col	row	STAGE	Source Data	match	domain	match areas
1-7	31	48	16.13	USACE	PA	CA1	
1-8T	34	47	16.05	USACE	PA	CA1	
1-9	33	46	16.14	USACE	PA	CA1	
2-17	29	40	11.42	USACE	PA	CA2	
2-159	28	43	12.97	SFWMD-ARDAMS	PA	CA2	
3-99	30	35	9.24	USACE		CA2	
3A-2	18	36	10.15	USACE	PA	CA3	
3A-3	25	37	9.03	USACE	PA	CA3	
3A-28	19	24	8.88	USACE	PA	CA3	
3A-4	21	29	9.21	USACE	PA	CA3	
3A-NW	18	40	10.48	SFWMD-ARDAMS		CA3	
3A-NE	23	40	9.13	SFWMD-ARDAMS		CA3	
3A-SW	16	30	8.80	SFWMD-ARDAMS		CA3	
3A-S	20	33	9.27	SFWMD-ARDAMS		CA3	
3-76	27	30	7.31	USACE			
3-71	24	26	7.41	USACE			
SHARK	24	23	7.00	USACE		CA3	
3BS1W	26	23	6.05	SFWMD-ARDAMS			
HOLY1	19	45	9.91	SFWMD-ARDAMS		WMA	
HOLY2	21	42	9.89	SFWMD-ARDAMS		WMA	
ROTTN	15	46	11.96	SFWMD-OPERATIONS		WMA	
ROTTS	16	43	12.19	SFWMD-OPERATIONS		WMA	
NP205	15	20	3.92	USACE		ENP	
NP201	19	21	6.01	USACE		ENP	
NP36	17	14	3.57	USACE		ENP	
NP38	16	9	1.33	USACE		ENP	
NP46	17	7	0.96	USACE		ENP	
NP67	22	7	1.65	USACE			
NP33	20	17	5.66	USACE		ENP	
NP34	13	17	1.99	USACE		ENP	
NP44	19	11	2.49	USACE		ENP	
NP206	21	15	4.06	USACE		ENP	
NESR2	25	21	6.03	USACE		ENP	
THSO	23	9	2.26	USACE			
RG2	23	15	3.51	USACE		ENP	
G3273	24	17	4.55	USACE	PA	ENP	
ANGEL	25	17	4.26	USACE	PA		
ANGEL	26	17	4.26	USACE	PA		
EVER4	25	8	1.53	USACE	PA	SA3	
E112	23	10	2.62	USACE		ENP	
G620	18	19	5.24	USACE		ENP	

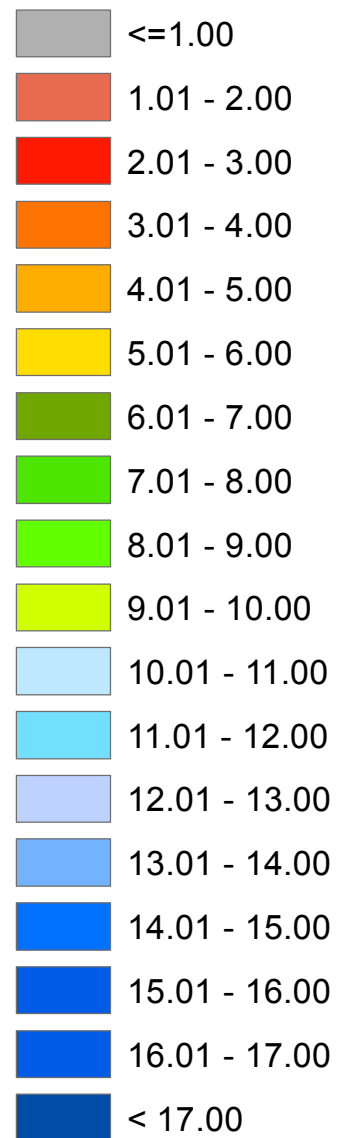
*SFWMM DYNAMIC POSITION ANALYSIS RUN
INITIAL STAGE VALUES APRIL 1, 2017*



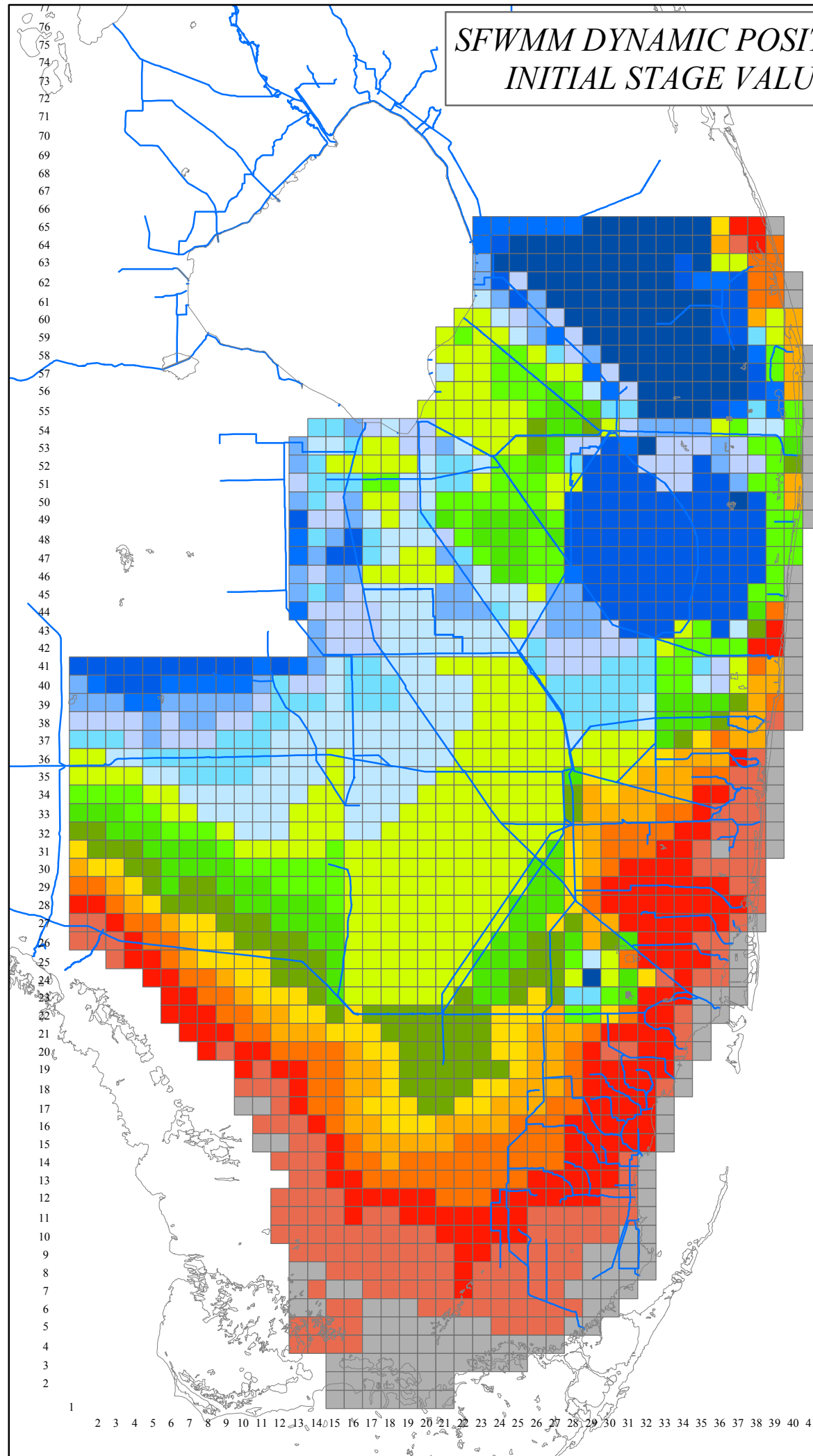
0 5 10 20
Miles

**Stage Class
(feet NGVD)**

SFWMM Grid

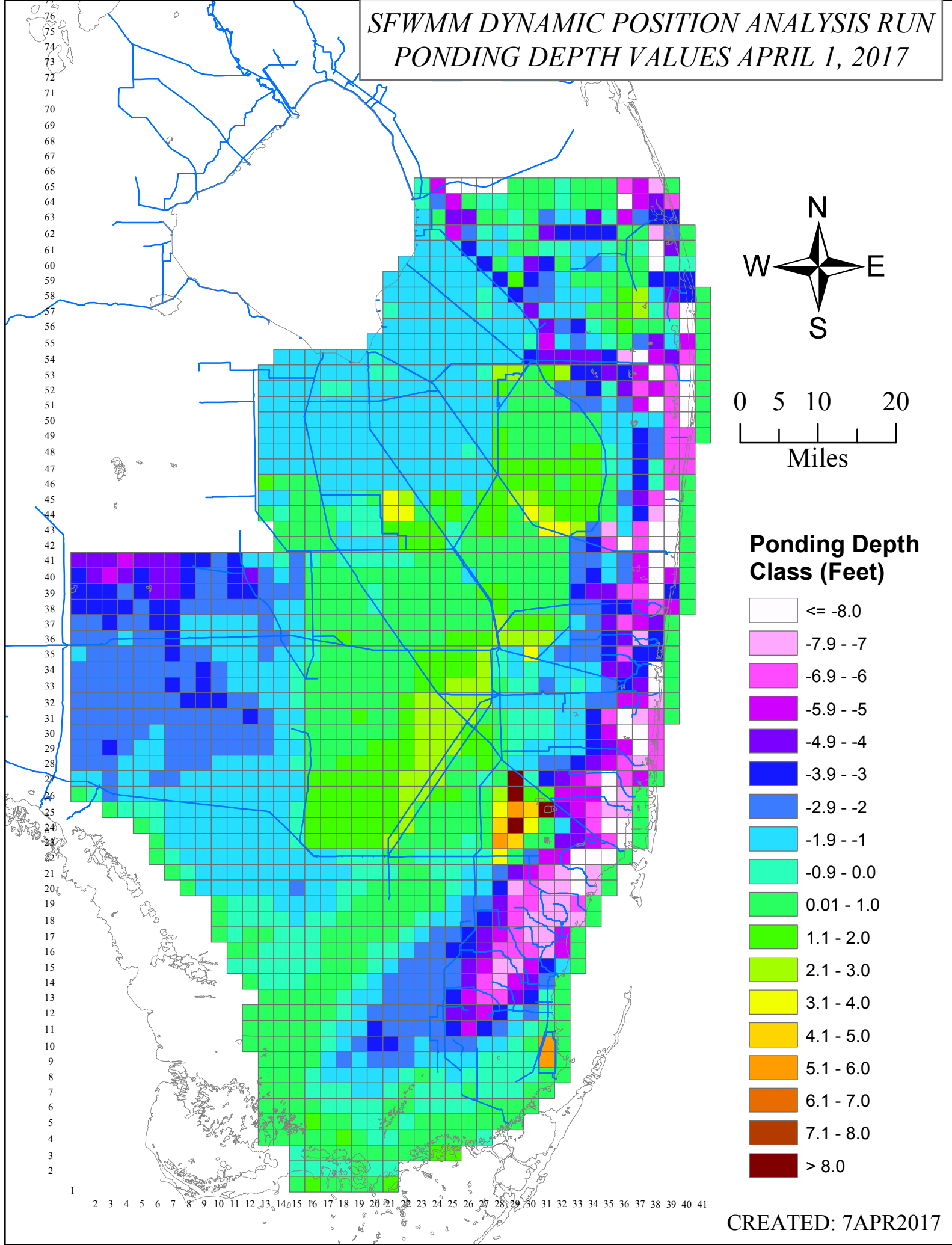


CREATED: 7APR2017



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
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*SFWMM DYNAMIC POSITION ANALYSIS RUN
PONDING DEPTH VALUES APRIL 1, 2017*



Lake Okechobee Band Probabilities (%) at the Beginning of Each Month
 '(See assumptions on the Position Analysis Results website)'
 Initial Stage 13.33 ft. for 03/01/2017

Date	HLM	High	Inter	Low	Base	Bene	WSM
2017 03 01	2.4	0.0	0.0	0.0	95.1	0.0	2.4
2017 04 01	2.4	0.0	0.0	0.0	0.6	94.5	2.4
2017 05 01	2.4	0.0	0.0	0.0	2.2	92.9	2.4
2017 06 01	2.4	0.0	0.0	0.0	3.8	85.5	8.3
2017 07 01	2.4	0.0	0.0	4.6	19.1	45.2	28.6
2017 08 01	2.4	0.0	0.4	12.3	25.1	21.2	38.6
2017 09 01	2.4	0.0	-0.0	26.1	23.6	6.9	40.9
2017 10 01	2.4	0.0	0.6	30.5	19.8	0.0	46.8
2017 11 01	2.4	0.6	5.4	32.3	28.9	0.6	29.8
2017 12 01	2.4	-0.0	3.9	32.4	29.2	7.4	24.7
2018 01 01	2.4	-0.0	3.2	36.5	24.3	12.2	21.4
2018 02 01	2.4	-0.0	5.7	34.6	20.2	14.2	22.8

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 - April 1, 2017 DPA Final LOK Stage 12.52

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

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1965	10	19	0	0.91	0.00	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	46.66	0.00	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	40.92	0.00	0.00	0.00	0.00	0.00	0.00
1966	1	0	0	0.71	0.00	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	15.62	0.00	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	125.12	0.00	0.00	0.00	0.00	0.00	0.00
1966	4	0	0	62.83	0.00	0.00	0.00	0.00	0.00	0.00
1966	5	0	0	49.44	0.00	0.00	0.01	0.01	0.01	0.01
1966	6	0	0	5.86	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	0.90	0.00	0.00	0.00	0.00	0.00	0.00
1966	9	0	0	1.18	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1966	10	0	0	6.67	0.00	0.00	0.00	0.00	0.00	0.00
1966	11	0	0	82.76	0.00	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	53.84	0.00	0.00	0.00	0.00	0.00	0.00
1967	1	0	0	44.75	0.00	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	26.75	0.00	0.00	0.00	0.00	0.00	0.00
1967	3	0	0	125.18	0.00	0.00	0.00	0.00	0.00	0.00
1967	4	0	0	170.36	0.00	0.00	0.02	0.01	0.02	0.01
1967	5	19	10	210.51	23.10	10.97	2.61	1.24	25.71	12.21
1967	6	30	3	29.99	2.58	8.61	3.40	11.35	5.98	19.95
1967	7	31	1	5.61	1.07	19.09	0.00	0.00	1.07	19.09
1967	8	31	4	6.09	0.81	13.25	0.00	0.00	0.81	13.25
1967	9	30	9	12.91	5.85	45.28	0.00	0.00	5.85	45.28

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1967	10	31	0	1.17	0.00	0.00	0.00	0.00	0.00	0.00
1967	11	30	18	89.17	12.40	13.91	0.29	0.33	12.70	14.24
1967	12	31	2	31.67	0.53	1.68	0.06	0.19	0.59	1.87
1968	1	31	6	57.82	1.48	2.55	0.09	0.16	1.57	2.71
1968	2	29	6	36.88	2.08	5.63	0.00	0.00	2.08	5.63
1968	3	0	0	125.95	0.00	0.00	0.00	0.00	0.00	0.00
1968	4	0	0	131.37	0.00	0.00	0.00	0.00	0.00	0.00
1968	5	0	0	27.45	0.00	0.00	0.00	0.00	0.00	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	8.84	0.00	0.00	0.00	0.00	0.00	0.00
1968	9	0	0	8.00	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1968	10	0	0	0.54	0.00	0.00	0.00	0.00	0.00	0.00
1968	11	0	0	34.96	0.00	0.00	0.00	0.00	0.00	0.00
1968	12	0	0	83.74	0.00	0.00	0.00	0.00	0.00	0.00
1969	1	0	0	25.67	0.00	0.00	0.00	0.00	0.00	0.00
1969	2	0	0	46.46	0.00	0.00	0.00	0.00	0.00	0.00
1969	3	0	0	125.32	0.00	0.00	0.00	0.00	0.00	0.00
1969	4	0	0	68.39	0.00	0.00	0.21	0.31	0.21	0.31
1969	5	0	0	25.73	0.00	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	23.08	0.00	0.00	0.00	0.00	0.00	0.00
1969	7	0	0	22.55	0.00	0.00	0.11	0.47	0.11	0.47
1969	8	0	0	1.43	0.00	0.00	0.00	0.00	0.00	0.00
1969	9	0	0	0.72	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1969	10	0	0	7.51	0.00	0.00	0.00	0.00	0.00	0.00
1969	11	0	0	10.95	0.00	0.00	0.00	0.00	0.00	0.00
1969	12	0	0	16.77	0.00	0.00	0.00	0.00	0.00	0.00
1970	1	0	0	3.96	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	125.30	0.00	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	99.95	0.00	0.00	0.12	0.12	0.12	0.12
1970	5	0	0	165.53	0.00	0.00	1.98	1.20	1.98	1.20
1970	6	0	0	9.79	0.00	0.00	0.00	0.00	0.00	0.00
1970	7	0	0	10.56	0.00	0.00	0.00	0.00	0.00	0.00
1970	8	0	0	6.34	0.00	0.00	0.00	0.00	0.00	0.00
1970	9	22	4	9.19	2.88	31.30	0.00	0.00	2.88	31.30

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1970	10	31	0	10.09	0.00	0.00	0.00	0.00	0.00	0.00
1970	11	30	19	91.38	17.39	19.03	0.39	0.43	17.78	19.46
1970	12	31	26	90.55	15.99	17.66	0.00	0.00	15.99	17.66
1971	1	31	15	72.14	4.90	6.79	0.00	0.00	4.90	6.79
1971	2	28	9	50.17	7.84	15.62	0.01	0.03	7.85	15.65
1971	3	0	0	125.42	0.00	0.00	0.00	0.00	0.00	0.00
1971	4	0	0	171.41	0.00	0.00	0.00	0.00	0.00	0.00
1971	5	0	0	98.37	0.00	0.00	0.09	0.09	0.09	0.09
1971	6	16	0	33.99	0.00	0.00	0.09	0.27	0.09	0.27
1971	7	31	0	0.60	0.00	0.00	0.00	0.00	0.00	0.00
1971	8	31	0	4.40	0.00	0.00	0.00	0.00	0.00	0.00
1971	9	13	0	12.40	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1971	10	8	3	14.59	4.89	33.54	0.00	0.00	4.89	33.54
1971	11	0	0	40.24	0.00	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	49.64	0.00	0.00	0.00	0.00	0.00	0.00
1972	1	0	0	35.05	0.00	0.00	0.29	0.83	0.29	0.83
1972	2	0	0	33.27	0.00	0.00	0.01	0.02	0.01	0.02
1972	3	0	0	126.01	0.00	0.00	0.00	0.00	0.00	0.00
1972	4	0	0	53.80	0.00	0.00	0.10	0.18	0.10	0.18
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	0.63	2.01	0.63	2.01
1972	7	0	0	27.33	0.00	0.00	0.00	0.00	0.00	0.00
1972	8	0	0	38.12	0.00	0.00	0.06	0.17	0.06	0.17
1972	9	12	10	32.34	9.50	29.38	0.06	0.19	9.56	29.58

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1972	10	31	15	78.67	10.47	13.31	0.05	0.07	10.53	13.38
1972	11	30	4	25.54	1.33	5.20	0.87	3.40	2.19	8.59
1972	12	31	0	26.27	0.00	0.00	0.08	0.31	0.08	0.31
1973	1	31	1	13.61	0.01	0.08	0.13	0.95	0.14	1.03
1973	2	28	0	9.84	0.00	0.00	0.47	4.73	0.47	4.73
1973	3	0	0	125.10	0.00	0.00	0.00	0.00	0.00	0.00
1973	4	0	0	101.11	0.00	0.00	0.00	0.00	0.00	0.00
1973	5	0	0	116.17	0.00	0.00	0.00	0.00	0.00	0.00
1973	6	0	0	27.82	0.00	0.00	0.00	0.00	0.00	0.00
1973	7	6	0	1.88	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	0.73	0.00	0.00	0.01	1.55	0.01	1.55

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1973	10	0	0	18.40	0.00	0.00	0.00	0.00	0.00	0.00
1973	11	0	0	92.05	0.00	0.00	0.00	0.00	0.00	0.00
1973	12	0	0	26.58	0.00	0.00	0.00	0.00	0.00	0.00
1974	1	0	0	46.06	0.00	0.00	0.05	0.12	0.05	0.12
1974	2	0	0	75.80	0.00	0.00	0.00	0.00	0.00	0.00
1974	3	0	0	125.38	0.00	0.00	0.00	0.00	0.00	0.00
1974	4	0	0	110.12	0.00	0.00	0.00	0.00	0.00	0.00
1974	5	0	0	97.49	0.00	0.00	0.17	0.17	0.17	0.17
1974	6	22	0	9.76	0.00	0.00	0.00	0.00	0.00	0.00
1974	7	0	0	1.48	0.00	0.00	0.44	29.92	0.44	29.92
1974	8	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1974	9	0	0	0.99	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1974	10	0	0	25.52	0.00	0.00	0.00	0.00	0.00	0.00
1974	11	0	0	63.85	0.00	0.00	0.00	0.00	0.00	0.00
1974	12	0	0	18.15	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	125.29	0.00	0.00	0.00	0.00	0.00	0.00
1975	4	0	0	113.87	0.00	0.00	0.00	0.00	0.00	0.00
1975	5	0	0	42.81	0.00	0.00	0.09	0.22	0.09	0.22
1975	6	0	0	4.60	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	14	4	8.60	2.53	29.38	0.02	0.19	2.54	29.56
1975	9	30	0	0.51	0.00	0.00	0.00	0.71	0.00	0.71

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1975	10	3	0	3.44	0.00	0.00	0.00	0.00	0.00	0.00
1975	11	0	0	54.11	0.00	0.00	0.00	0.00	0.00	0.00
1975	12	0	0	77.04	0.00	0.00	0.00	0.00	0.00	0.00
1976	1	0	0	59.66	0.00	0.00	0.00	0.00	0.00	0.00
1976	2	21	11	64.04	9.59	14.98	0.01	0.01	9.60	14.99
1976	3	0	0	125.66	0.00	0.00	0.00	0.00	0.00	0.00
1976	4	0	0	112.84	0.00	0.00	0.00	0.00	0.00	0.00
1976	5	0	0	9.61	0.00	0.00	0.00	0.00	0.00	0.00
1976	6	0	0	16.55	0.00	0.00	0.00	0.00	0.00	0.00
1976	7	0	0	18.81	0.00	0.00	0.06	0.30	0.06	0.30
1976	8	0	0	2.59	0.00	0.00	0.00	0.00	0.00	0.00
1976	9	0	0	2.33	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1976	10	0	0	65.87	0.00	0.00	0.00	0.00	0.00	0.00
1976	11	0	0	46.00	0.00	0.00	0.00	0.00	0.00	0.00
1976	12	0	0	22.53	0.00	0.00	0.04	0.19	0.04	0.19
1977	1	0	0	1.53	0.00	0.00	0.00	0.00	0.00	0.00
1977	2	0	0	52.66	0.00	0.00	0.00	0.00	0.00	0.00
1977	3	0	0	125.50	0.00	0.00	0.00	0.00	0.00	0.00
1977	4	0	0	134.03	0.00	0.00	0.00	0.00	0.00	0.00
1977	5	0	0	42.16	0.00	0.00	0.01	0.03	0.01	0.03
1977	6	1	0	60.30	0.00	0.00	0.08	0.14	0.08	0.14
1977	7	31	3	18.66	3.80	20.38	0.00	0.00	3.80	20.38
1977	8	31	1	7.46	0.20	2.70	0.00	0.00	0.20	2.70
1977	9	30	0	0.12	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1977	10	31	10	69.67	18.16	26.07	0.00	0.00	18.16	26.07
1977	11	30	0	24.94	0.00	0.00	1.41	5.67	1.41	5.67
1977	12	7	0	1.14	0.00	0.00	0.00	0.00	0.00	0.00
1978	1	0	0	7.15	0.00	0.00	0.00	0.00	0.00	0.00
1978	2	0	0	25.11	0.00	0.00	0.00	0.00	0.00	0.00
1978	3	0	0	125.45	0.00	0.00	0.00	0.00	0.00	0.00
1978	4	0	0	106.65	0.00	0.00	0.00	0.00	0.00	0.00
1978	5	0	0	18.44	0.00	0.00	0.00	0.00	0.00	0.00
1978	6	0	0	20.83	0.00	0.00	0.00	0.00	0.00	0.00
1978	7	0	0	1.12	0.00	0.00	0.00	0.00	0.00	0.00
1978	8	0	0	0.08	0.00	0.00	0.00	0.00	0.00	0.00
1978	9	0	0	1.88	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1978	10	0	0	8.72	0.00	0.00	0.00	0.00	0.00	0.00
1978	11	0	0	24.49	0.00	0.00	0.00	0.00	0.00	0.00
1978	12	0	0	17.72	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	125.46	0.00	0.00	0.00	0.00	0.00	0.00
1979	4	0	0	112.91	0.00	0.00	0.00	0.00	0.00	0.00
1979	5	0	0	0.68	0.00	0.00	0.00	0.00	0.00	0.00
1979	6	0	0	151.23	0.00	0.00	1.90	1.26	1.90	1.26
1979	7	19	4	21.99	4.06	18.47	0.00	0.00	4.06	18.48
1979	8	31	1	7.78	0.68	8.78	0.02	0.22	0.70	9.00
1979	9	13	0	0.30	0.00	0.00	0.00	1.41	0.00	1.41

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1979	10	0	0	12.96	0.00	0.00	0.00	0.00	0.00	0.00
1979	11	0	0	4.40	0.00	0.00	0.00	0.00	0.00	0.00
1979	12	0	0	19.60	0.00	0.00	0.00	0.00	0.00	0.00
1980	1	0	0	37.43	0.00	0.00	0.00	0.00	0.00	0.00
1980	2	0	0	11.25	0.00	0.00	0.00	0.00	0.00	0.00
1980	3	0	0	125.91	0.00	0.00	0.00	0.00	0.00	0.00
1980	4	0	0	13.18	0.00	0.00	0.09	0.66	0.09	0.66
1980	5	0	0	96.71	0.00	0.00	0.00	0.00	0.00	0.00
1980	6	0	0	129.41	0.00	0.00	0.87	0.67	0.87	0.67
1980	7	0	0	14.52	0.00	0.00	0.00	0.00	0.00	0.00
1980	8	30	0	7.09	0.00	0.00	0.02	0.29	0.02	0.29
1980	9	30	0	2.74	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1980	10	31	19	76.77	17.05	22.21	0.00	0.00	17.05	22.21
1980	11	30	5	29.35	2.73	9.29	0.79	2.69	3.52	11.98
1980	12	31	7	38.31	6.53	17.05	0.00	0.01	6.53	17.06
1981	1	31	27	72.38	20.07	27.73	0.00	0.00	20.07	27.73
1981	2	28	7	29.33	6.91	23.56	0.05	0.16	6.96	23.72
1981	3	0	0	125.44	0.00	0.00	0.00	0.00	0.00	0.00
1981	4	0	0	154.60	0.00	0.00	0.02	0.01	0.02	0.01
1981	5	4	0	147.66	0.00	0.00	0.35	0.23	0.35	0.23
1981	6	29	11	80.68	27.87	34.54	1.14	1.41	29.01	35.95
1981	7	31	17	70.47	45.72	64.88	0.00	0.00	45.72	64.88
1981	8	31	0	2.20	0.00	0.00	0.00	0.00	0.00	0.00
1981	9	30	0	1.94	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1981	10	31	28	102.04	35.35	34.64	0.00	0.00	35.35	34.64
1981	11	30	12	51.36	16.37	31.88	0.96	1.87	17.33	33.75
1981	12	31	29	88.79	39.46	44.44	0.00	0.00	39.46	44.44
1982	1	31	27	74.64	28.43	38.09	0.00	0.00	28.43	38.09
1982	2	28	3	28.28	2.47	8.72	0.00	0.00	2.47	8.72
1982	3	0	0	125.25	0.00	0.00	0.00	0.00	0.00	0.00
1982	4	0	0	36.42	0.00	0.00	0.00	0.00	0.00	0.00
1982	5	0	0	109.67	0.00	0.00	0.00	0.00	0.00	0.00
1982	6	0	0	20.58	0.00	0.00	0.10	0.50	0.10	0.50
1982	7	0	0	4.88	0.00	0.00	0.00	0.00	0.00	0.00
1982	8	0	0	2.25	0.00	0.00	0.00	0.00	0.00	0.00
1982	9	0	0	5.12	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1982	10	0	0	13.17	0.00	0.00	0.00	0.00	0.00	0.00
1982	11	0	0	44.71	0.00	0.00	0.00	0.00	0.00	0.00
1982	12	0	0	46.91	0.00	0.00	0.00	0.00	0.00	0.00
1983	1	0	0	21.81	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	125.26	0.00	0.00	0.00	0.00	0.00	0.00
1983	4	0	0	48.88	0.00	0.00	0.07	0.14	0.07	0.14
1983	5	0	0	209.17	0.00	0.00	0.52	0.25	0.52	0.25
1983	6	0	0	28.97	0.00	0.00	0.00	0.00	0.00	0.00
1983	7	0	0	33.81	0.00	0.00	0.00	0.00	0.00	0.00
1983	8	9	2	5.58	0.18	3.16	0.00	0.00	0.18	3.16
1983	9	30	3	6.79	3.18	46.76	0.03	0.40	3.20	47.16

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1983	10	15	0	3.28	0.00	0.00	0.00	0.00	0.00	0.00
1983	11	0	0	19.87	0.00	0.00	0.00	0.00	0.00	0.00
1983	12	0	0	16.93	0.00	0.00	0.00	0.00	0.00	0.00
1984	1	0	0	29.36	0.00	0.00	0.00	0.00	0.00	0.00
1984	2	0	0	32.13	0.00	0.00	0.00	0.00	0.00	0.00
1984	3	0	0	125.62	0.00	0.00	0.00	0.00	0.00	0.00
1984	4	0	0	58.73	0.00	0.00	0.13	0.23	0.13	0.23
1984	5	0	0	118.96	0.00	0.00	0.00	0.00	0.00	0.00
1984	6	0	0	53.01	0.00	0.00	0.15	0.29	0.15	0.29
1984	7	0	0	1.92	0.00	0.00	0.09	4.53	0.09	4.53
1984	8	0	0	18.60	0.00	0.00	0.00	0.02	0.00	0.02
1984	9	0	0	14.34	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1984	10	0	0	51.91	0.00	0.00	0.00	0.00	0.00	0.00
1984	11	0	0	58.51	0.00	0.00	0.02	0.03	0.02	0.03
1984	12	0	0	47.56	0.00	0.00	0.00	0.00	0.00	0.00
1985	1	0	0	58.09	0.00	0.00	0.08	0.14	0.08	0.14
1985	2	18	14	88.32	7.96	9.01	0.01	0.02	7.97	9.03
1985	3	0	0	125.24	0.00	0.00	0.00	0.00	0.00	0.00
1985	4	0	0	29.32	0.00	0.00	0.03	0.09	0.03	0.09
1985	5	0	0	110.16	0.00	0.00	0.00	0.00	0.00	0.00
1985	6	10	0	100.33	0.00	0.00	2.18	2.17	2.18	2.17
1985	7	31	1	5.16	0.95	18.36	0.00	0.00	0.95	18.36
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	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1985	10	4	0	8.01	0.00	0.00	0.00	0.00	0.00	0.00
1985	11	0	0	34.39	0.00	0.00	0.00	0.00	0.00	0.00
1985	12	0	0	18.14	0.00	0.00	0.00	0.00	0.00	0.00
1986	1	0	0	13.68	0.00	0.00	0.04	0.32	0.04	0.32
1986	2	0	0	47.79	0.00	0.00	0.14	0.28	0.14	0.28
1986	3	0	0	125.20	0.00	0.00	0.00	0.00	0.00	0.00
1986	4	0	0	149.31	0.00	0.00	0.00	0.00	0.00	0.00
1986	5	0	0	130.59	0.00	0.00	0.57	0.43	0.57	0.43
1986	6	12	1	18.98	0.01	0.06	0.00	0.00	0.01	0.06
1986	7	0	0	3.17	0.00	0.00	0.00	0.00	0.00	0.00
1986	8	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1986	9	0	0	5.92	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1986	10	0	0	30.57	0.00	0.00	0.03	0.09	0.03	0.09
1986	11	0	0	22.51	0.00	0.00	0.21	0.92	0.21	0.92
1986	12	0	0	40.29	0.00	0.00	0.46	1.15	0.46	1.15
1987	1	0	0	11.94	0.00	0.00	0.00	0.00	0.00	0.00
1987	2	0	0	20.84	0.00	0.00	0.04	0.17	0.04	0.17
1987	3	0	0	125.24	0.00	0.00	0.00	0.00	0.00	0.00
1987	4	0	0	135.24	0.00	0.00	0.02	0.02	0.02	0.02
1987	5	0	0	110.39	0.00	0.00	0.37	0.34	0.37	0.34
1987	6	8	2	111.01	1.04	0.94	0.26	0.24	1.31	1.18
1987	7	31	5	13.74	2.07	15.06	0.00	0.00	2.07	15.06
1987	8	31	19	59.63	40.08	67.21	0.00	0.00	40.08	67.21
1987	9	30	8	15.31	5.99	39.12	0.00	0.00	5.99	39.12

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1987	10	31	0	17.84	0.00	0.00	0.00	0.00	0.00	0.00
1987	11	17	0	2.65	0.00	0.00	0.33	12.51	0.33	12.51
1987	12	0	0	34.40	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	10.82	0.00	0.00	0.00	0.00	0.00	0.00
1988	3	0	0	125.68	0.00	0.00	0.00	0.00	0.00	0.00
1988	4	0	0	135.89	0.00	0.00	0.00	0.00	0.00	0.00
1988	5	0	0	107.62	0.00	0.00	0.04	0.04	0.04	0.04
1988	6	0	0	56.82	0.00	0.00	0.26	0.46	0.26	0.46
1988	7	22	0	6.84	0.00	0.00	0.00	0.00	0.00	0.00
1988	8	21	0	0.02	0.00	0.00	0.00	0.00	0.00	0.00
1988	9	25	15	50.35	25.71	51.06	0.00	0.00	25.71	51.06

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1988	10	31	28	123.62	40.27	32.58	0.09	0.07	40.36	32.65
1988	11	30	0	40.62	0.00	0.00	0.85	2.10	0.85	2.10
1988	12	31	4	46.88	1.45	3.10	0.06	0.13	1.52	3.23
1989	1	31	12	54.62	7.50	13.73	0.05	0.09	7.55	13.82
1989	2	28	18	86.19	14.62	16.96	0.04	0.04	14.66	17.01
1989	3	0	0	125.58	0.00	0.00	0.00	0.00	0.00	0.00
1989	4	0	0	45.71	0.00	0.00	0.10	0.21	0.10	0.21
1989	5	0	0	128.81	0.00	0.00	0.00	0.00	0.00	0.00
1989	6	0	0	117.85	0.00	0.00	4.08	3.46	4.08	3.46
1989	7	23	8	33.64	13.45	39.98	0.00	0.00	13.45	39.98
1989	8	31	2	5.12	0.37	7.21	0.00	0.00	0.37	7.21
1989	9	30	0	0.86	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1989	10	31	1	14.22	0.11	0.78	0.00	0.00	0.11	0.78
1989	11	30	21	93.59	11.33	12.11	1.06	1.13	12.39	13.23
1989	12	31	2	24.83	0.42	1.68	0.03	0.11	0.44	1.79
1990	1	31	12	58.11	6.19	10.66	0.04	0.06	6.23	10.72
1990	2	28	0	11.72	0.00	0.00	0.00	0.03	0.00	0.03
1990	3	0	0	125.16	0.00	0.00	0.00	0.00	0.00	0.00
1990	4	0	0	97.31	0.00	0.00	0.05	0.05	0.05	0.05
1990	5	0	0	46.38	0.00	0.00	0.00	0.00	0.00	0.00
1990	6	0	0	56.04	0.00	0.00	1.40	2.49	1.40	2.49
1990	7	0	0	5.19	0.00	0.00	0.01	0.24	0.01	0.24
1990	8	5	0	2.53	0.00	0.00	0.00	0.00	0.00	0.00
1990	9	16	4	19.46	0.82	4.21	0.00	0.00	0.82	4.21

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1990	10	7	0	14.46	0.00	0.00	0.00	0.00	0.00	0.00
1990	11	0	0	76.98	0.00	0.00	0.00	0.00	0.00	0.00
1990	12	0	0	78.46	0.00	0.00	0.00	0.00	0.00	0.00
1991	1	0	0	4.73	0.00	0.00	0.00	0.00	0.00	0.00
1991	2	0	0	26.93	0.00	0.00	0.00	0.00	0.00	0.00
1991	3	0	0	125.27	0.00	0.00	0.00	0.00	0.00	0.00
1991	4	0	0	8.06	0.00	0.00	0.03	0.34	0.03	0.34
1991	5	0	0	50.70	0.00	0.00	0.00	0.00	0.00	0.00
1991	6	0	0	15.74	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	8.22	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	0	0	4.98	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1991	10	0	0	11.80	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	0	0	42.88	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	0	0	34.49	0.00	0.00	0.00	0.00	0.00	0.00
1992	1	0	0	19.63	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	0	0	22.39	0.00	0.00	0.00	0.00	0.00	0.00
1992	3	0	0	125.61	0.00	0.00	0.00	0.00	0.00	0.00
1992	4	0	0	11.86	0.00	0.00	0.06	0.47	0.06	0.47
1992	5	0	0	202.32	0.00	0.00	0.38	0.19	0.38	0.19
1992	6	0	0	20.82	0.00	0.00	0.08	0.38	0.08	0.38
1992	7	0	0	17.70	0.00	0.00	0.00	0.00	0.00	0.00
1992	8	0	0	6.24	0.00	0.00	0.00	0.00	0.00	0.00
1992	9	0	0	0.90	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1992	10	0	0	50.87	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0	0	19.89	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	125.08	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0	0	61.41	0.00	0.00	0.12	0.19	0.12	0.19
1993	5	0	0	182.22	0.00	0.00	0.09	0.05	0.09	0.05
1993	6	0	0	39.43	0.00	0.00	0.01	0.01	0.01	0.01
1993	7	18	11	50.12	16.91	33.73	0.00	0.00	16.91	33.73
1993	8	31	20	54.74	27.24	49.77	0.00	0.00	27.24	49.77
1993	9	30	0	2.85	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1993	10	31	0	3.07	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	30	0	36.26	0.00	0.00	0.28	0.78	0.28	0.78
1993	12	26	8	48.40	4.03	8.32	0.03	0.06	4.05	8.37
1994	1	0	0	7.93	0.00	0.00	0.04	0.44	0.04	0.44
1994	2	0	0	8.94	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0	0	125.10	0.00	0.00	0.00	0.00	0.00	0.00
1994	4	0	0	66.17	0.00	0.00	0.10	0.15	0.10	0.15
1994	5	0	0	97.90	0.00	0.00	0.00	0.00	0.00	0.00
1994	6	0	0	18.58	0.00	0.00	0.00	0.00	0.00	0.00
1994	7	0	0	16.99	0.00	0.00	0.00	0.00	0.00	0.00
1994	8	0	0	0.17	0.00	0.00	0.00	0.00	0.00	0.00
1994	9	0	0	0.55	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1994	10	0	0	7.61	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	0	0	10.50	0.00	0.00	0.00	0.00	0.00	0.00
1994	12	0	0	0.29	0.00	0.00	0.00	0.00	0.00	0.00
1995	1	0	0	3.48	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	0	0	7.78	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	0	0	125.38	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0	0	76.51	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0	0	91.64	0.00	0.00	0.04	0.04	0.04	0.04
1995	6	0	0	23.41	0.00	0.00	0.31	1.34	0.31	1.34
1995	7	0	0	12.08	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	0	0	2.10	0.00	0.00	0.01	0.52	0.01	0.52
1995	9	0	0	10.28	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1995	10	0	0	0.84	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	0	0	45.18	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	0	0	32.29	0.00	0.00	0.00	0.00	0.00	0.00
1996	1	0	0	12.80	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	125.83	0.00	0.00	0.00	0.00	0.00	0.00
1996	4	0	0	80.82	0.00	0.00	0.06	0.07	0.06	0.07
1996	5	0	0	34.51	0.00	0.00	0.00	0.00	0.00	0.00
1996	6	0	0	3.08	0.00	0.00	0.00	0.00	0.00	0.00
1996	7	0	0	55.52	0.00	0.00	0.00	0.00	0.00	0.00
1996	8	0	0	12.67	0.00	0.00	0.10	0.77	0.10	0.77
1996	9	4	3	28.57	4.16	14.55	0.00	0.00	4.16	14.55

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1996	10	9	0	16.43	0.00	0.00	0.00	0.00	0.00	0.00
1996	11	0	0	67.79	0.00	0.00	0.08	0.11	0.08	0.11
1996	12	0	0	71.64	0.00	0.00	0.00	0.00	0.00	0.00
1997	1	1	0	40.96	0.00	0.00	0.00	0.00	0.00	0.00
1997	2	28	5	43.66	2.38	5.45	0.23	0.52	2.61	5.97
1997	3	0	0	125.14	0.00	0.00	0.00	0.00	0.00	0.00
1997	4	0	0	33.76	0.00	0.00	0.16	0.49	0.16	0.49
1997	5	0	0	20.40	0.00	0.00	0.06	0.30	0.06	0.30
1997	6	0	0	31.78	0.00	0.00	0.62	1.96	0.62	1.96
1997	7	0	0	12.26	0.00	0.00	0.00	0.00	0.00	0.00
1997	8	0	0	1.95	0.00	0.00	0.00	0.00	0.00	0.00
1997	9	0	0	6.17	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1997	10	0	0	46.91	0.00	0.00	0.00	0.00	0.00	0.00
1997	11	0	0	16.13	0.00	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	0.00
1998	1	0	0	2.17	0.00	0.00	0.00	0.00	0.00	0.00
1998	2	0	0	1.99	0.00	0.00	0.00	0.00	0.00	0.00
1998	3	0	0	125.22	0.00	0.00	0.00	0.00	0.00	0.00
1998	4	0	0	98.46	0.00	0.00	0.00	0.00	0.00	0.00
1998	5	0	0	132.55	0.00	0.00	0.80	0.60	0.80	0.60
1998	6	19	15	162.86	48.09	29.53	0.56	0.35	48.66	29.88
1998	7	31	9	30.07	13.72	45.62	0.00	0.00	13.72	45.62
1998	8	31	4	9.65	1.57	16.31	0.71	7.40	2.29	23.70
1998	9	30	1	2.26	0.18	8.00	0.00	0.00	0.18	8.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1998	10	31	0	23.65	0.00	0.00	0.01	0.04	0.01	0.04
1998	11	6	3	19.79	2.11	10.65	0.59	2.96	2.69	13.60
1998	12	0	0	31.18	0.00	0.00	0.00	0.00	0.00	0.00
1999	1	0	0	10.32	0.00	0.00	0.00	0.00	0.00	0.00
1999	2	0	0	47.05	0.00	0.00	0.00	0.00	0.00	0.00
1999	3	0	0	125.43	0.00	0.00	0.00	0.00	0.00	0.00
1999	4	0	0	126.14	0.00	0.00	0.00	0.00	0.00	0.00
1999	5	0	0	87.56	0.00	0.00	0.71	0.81	0.71	0.81
1999	6	0	0	6.47	0.00	0.00	0.00	0.00	0.00	0.00
1999	7	0	0	9.74	0.00	0.00	0.26	2.64	0.26	2.64
1999	8	0	0	13.71	0.00	0.00	0.22	1.61	0.22	1.61
1999	9	0	0	1.30	0.00	0.00	0.02	1.61	0.02	1.61

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1999	10	0	0	0.42	0.00	0.00	0.00	0.00	0.00	0.00
1999	11	0	0	37.42	0.00	0.00	0.00	0.00	0.00	0.00
1999	12	0	0	47.27	0.00	0.00	0.00	0.00	0.00	0.00
2000	1	0	0	59.57	0.00	0.00	0.00	0.00	0.00	0.00
2000	2	0	0	65.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	3	0	0	125.63	0.00	0.00	0.00	0.00	0.00	0.00
2000	4	0	0	81.74	0.00	0.00	0.00	0.00	0.00	0.00
2000	5	0	0	183.31	0.00	0.00	0.09	0.05	0.09	0.05
2000	6	24	14	165.38	50.62	30.61	1.10	0.66	51.72	31.27
2000	7	31	0	2.15	0.00	0.00	0.00	0.00	0.00	0.00
2000	8	31	16	50.75	37.20	73.29	0.00	0.00	37.20	73.30
2000	9	30	4	5.07	2.12	41.76	0.00	0.00	2.12	41.76

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
2000	10	31	10	43.50	8.05	18.50	0.00	0.00	8.05	18.50
2000	11	30	27	106.46	36.20	34.01	0.21	0.19	36.41	34.20
2000	12	31	25	79.87	29.70	37.19	0.03	0.04	29.74	37.23
2001	1	31	27	71.83	27.23	37.91	0.02	0.03	27.25	37.94
2001	2	28	28	97.04	46.34	47.75	0.00	0.00	46.34	47.75
2001	3	0	0	125.63	0.00	0.00	0.00	0.00	0.00	0.00
2001	4	0	0	140.33	0.00	0.00	0.00	0.00	0.00	0.00
2001	5	0	0	140.29	0.00	0.00	0.52	0.37	0.52	0.37
2001	6	12	1	43.91	0.15	0.33	0.05	0.12	0.20	0.45
2001	7	31	2	11.17	1.38	12.36	0.00	0.00	1.38	12.36
2001	8	5	0	23.43	0.00	0.00	0.00	0.00	0.00	0.00
2001	9	2	0	5.63	0.00	0.00	0.02	0.30	0.02	0.30

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
2001	10	0	0	10.07	0.00	0.00	0.00	0.00	0.00	0.00
2001	11	0	0	41.33	0.00	0.00	0.00	0.00	0.00	0.00
2001	12	0	0	41.70	0.00	0.00	0.01	0.02	0.01	0.02
2002	1	0	0	28.69	0.00	0.00	0.00	0.00	0.00	0.00
2002	2	0	0	30.49	0.00	0.00	0.00	0.00	0.00	0.00
2002	3	0	0	125.47	0.00	0.00	0.00	0.00	0.00	0.00
2002	4	0	0	106.21	0.00	0.00	0.00	0.00	0.00	0.00
2002	5	0	0	152.21	0.00	0.00	0.14	0.09	0.14	0.09
2002	6	25	9	71.18	25.22	35.44	0.00	0.00	25.23	35.44
2002	7	0	0	12.45	0.00	0.00	0.00	0.00	0.00	0.00
2002	8	0	0	15.21	0.00	0.00	0.00	0.02	0.00	0.02
2002	9	0	0	10.68	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
2002	10	0	0	11.84	0.00	0.00	0.00	0.00	0.00	0.00
2002	11	0	0	30.76	0.00	0.00	0.00	0.00	0.00	0.00
2002	12	0	0	7.60	0.00	0.00	0.00	0.00	0.00	0.00
2003	1	0	0	45.75	0.00	0.00	0.00	0.00	0.00	0.00
2003	2	0	0	56.63	0.00	0.00	0.00	0.00	0.00	0.00
2003	3	0	0	125.56	0.00	0.00	0.00	0.00	0.00	0.00
2003	4	0	0	84.29	0.00	0.00	0.00	0.00	0.00	0.00
2003	5	0	0	55.65	0.00	0.00	0.00	0.00	0.00	0.00
2003	6	0	0	16.17	0.00	0.00	0.15	0.93	0.15	0.93
2003	7	0	0	16.54	0.00	0.00	1.15	6.97	1.15	6.97
2003	8	0	0	0.01	0.00	0.00	0.00	0.00	0.00	0.00
2003	9	0	0	1.24	0.00	0.00	0.00	0.00	0.00	0.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
2003	10	0	0	41.10	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	28.49	0.00	0.00	0.01	0.02	0.01	0.02
2004	1	0	0	45.44	0.00	0.00	0.00	0.00	0.00	0.00
2004	2	0	0	17.49	0.00	0.00	0.00	0.00	0.00	0.00
2004	3	0	0	125.88	0.00	0.00	0.00	0.00	0.00	0.00
2004	4	0	0	96.41	0.00	0.00	0.00	0.00	0.00	0.00
2004	5	0	0	194.88	0.00	0.00	0.05	0.03	0.05	0.03
2004	6	27	7	54.61	16.83	30.81	0.00	0.00	16.83	30.82
2004	7	31	18	53.30	31.08	58.31	0.03	0.06	31.11	58.38
2004	8	31	0	0.15	0.00	0.00	0.12	79.00	0.12	79.00
2004	9	8	0	0.18	0.00	0.00	0.03	16.57	0.03	16.57

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
2004	10	0	0	8.39	0.00	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	0.00
2004	12	0	0	59.04	0.00	0.00	0.00	0.00	0.00	0.00
2005	1	0	0	44.67	0.00	0.00	0.00	0.00	0.00	0.00
2005	2	0	0	79.27	0.00	0.00	0.00	0.00	0.00	0.00
2005	3	0	0	125.32	0.00	0.00	0.00	0.00	0.00	0.00
2005	4	0	0	67.56	0.00	0.00	0.01	0.02	0.01	0.02
2005	5	0	0	66.82	0.00	0.00	0.08	0.12	0.08	0.12
2005	6	0	0	5.90	0.00	0.00	0.01	0.13	0.01	0.13
2005	7	0	0	19.91	0.00	0.00	0.00	0.00	0.00	0.00
2005	8	0	0	6.75	0.00	0.00	0.00	0.00	0.00	0.00
2005	9	0	0	12.77	0.00	0.00	0.00	0.00	0.00	0.00

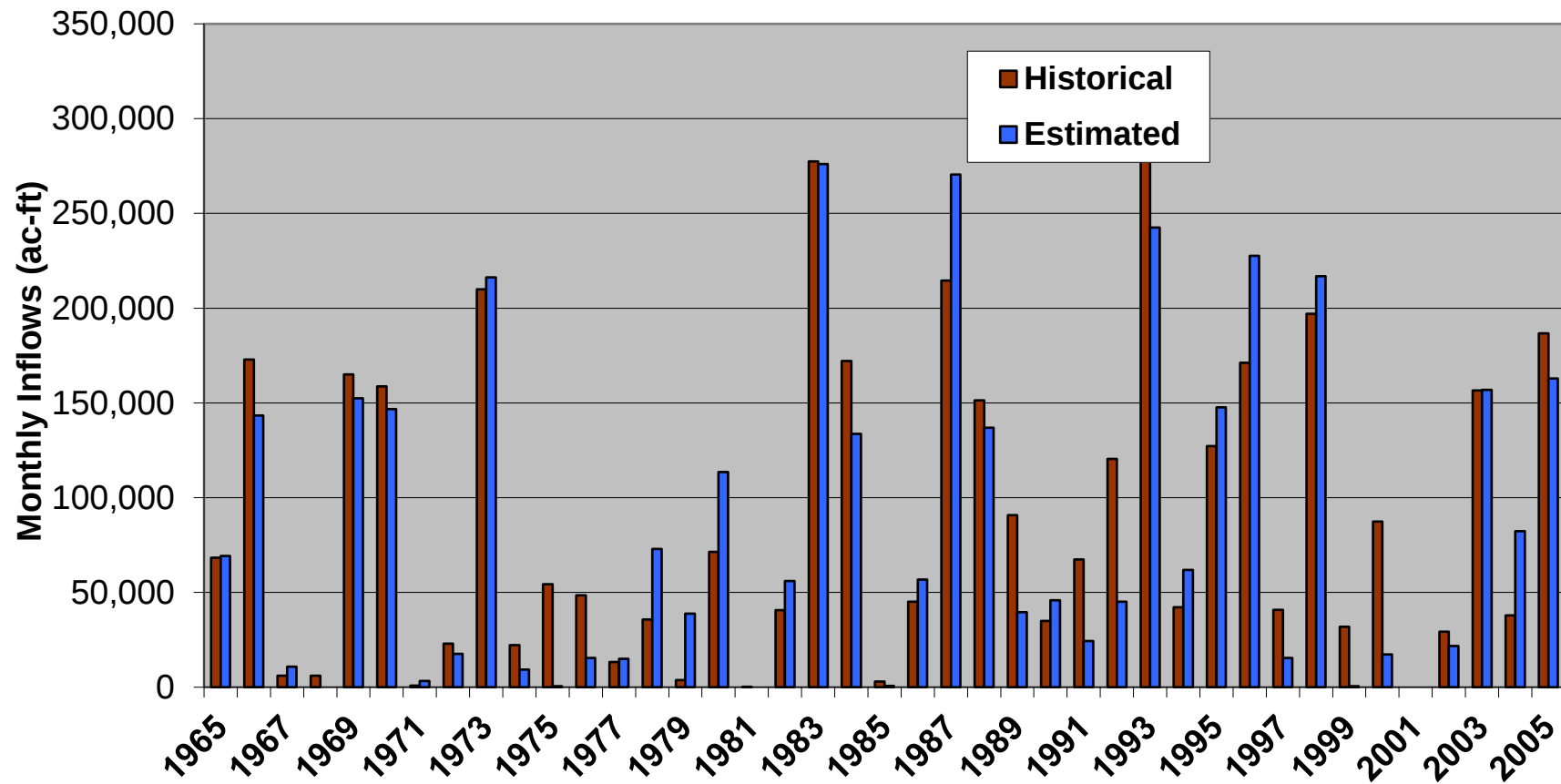
Annual Supply Side Management Results
for the Lake Okeechobee Service Area
Report by Water Years Oct-Sep
(Volumes in 1000 ac-ft)

Run:
SFWMM v6.7.4 - April 1, 2017 DPA Final LOK Stage 12.52

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

Wat_Year	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1966	19	0	350.17	0.00	0.00	0.01	0.00	0.01	0.00
1967	141	27	775.42	33.40	4.31	6.04	0.78	39.44	5.09
1968	152	32	530.19	16.49	3.11	0.45	0.08	16.94	3.19
1969	0	0	458.60	0.00	0.00	0.32	0.07	0.32	0.07
1970	22	4	477.95	2.88	0.60	2.10	0.44	4.97	1.04
1971	242	69	760.91	46.12	6.06	0.59	0.08	46.71	6.14
1972	20	13	505.31	14.40	2.85	1.15	0.23	15.54	3.08
1973	157	20	527.04	11.81	2.24	1.61	0.31	13.42	2.55
1974	22	0	604.11	0.00	0.00	0.66	0.11	0.66	0.11
1975	44	4	550.47	2.53	0.46	0.11	0.02	2.64	0.48
1976	24	11	546.68	9.59	1.75	0.06	0.01	9.66	1.77
1977	93	4	576.82	4.00	0.69	0.14	0.02	4.14	0.72
1978	68	10	402.47	18.16	4.51	1.41	0.35	19.58	4.86
1979	63	5	510.99	4.75	0.93	1.92	0.38	6.67	1.31
1980	60	0	475.20	0.00	0.00	0.97	0.20	0.97	0.20
1981	276	93	829.14	126.88	15.30	2.35	0.28	129.22	15.58
1982	151	99	649.28	122.07	18.80	1.07	0.16	123.14	18.97
1983	39	5	585.34	3.35	0.57	0.62	0.11	3.97	0.68
1984	15	0	492.74	0.00	0.00	0.38	0.08	0.38	0.08
1985	120	15	676.90	8.91	1.32	2.32	0.34	11.22	1.66
1986	16	1	555.19	0.01	0.00	0.75	0.13	0.76	0.14
1987	100	34	696.71	49.18	7.06	1.39	0.20	50.57	7.26
1988	116	15	557.90	25.71	4.61	0.64	0.11	26.35	4.72
1989	235	72	809.50	77.67	9.59	5.27	0.65	82.94	10.25
1990	172	40	554.52	18.87	3.40	2.58	0.47	21.45	3.87
1991	7	0	414.53	0.00	0.00	0.03	0.01	0.03	0.01
1992	0	0	516.65	0.00	0.00	0.51	0.10	0.51	0.10
1993	79	31	633.34	44.15	6.97	0.21	0.03	44.36	7.00
1994	87	8	430.07	4.03	0.94	0.45	0.10	4.47	1.04
1995	0	0	371.08	0.00	0.00	0.36	0.10	0.36	0.10
1996	4	3	505.89	4.16	0.82	0.15	0.03	4.31	0.85
1997	38	5	471.95	2.38	0.50	1.15	0.24	3.53	0.75
1998	111	29	628.26	63.56	10.12	2.07	0.33	65.64	10.45
1999	37	3	502.36	2.11	0.42	1.80	0.36	3.91	0.78
2000	116	34	823.72	89.94	10.92	1.19	0.14	91.13	11.06
2001	201	120	889.09	149.04	16.76	0.86	0.10	149.90	16.86
2002	25	9	645.69	25.22	3.91	0.15	0.02	25.38	3.93
2003	0	0	452.02	0.00	0.00	1.30	0.29	1.30	0.29
2004	97	25	690.53	47.91	6.94	0.24	0.03	48.15	6.97
2005	0	0	539.28	0.00	0.00	0.10	0.02	0.10	0.02

April 2017 Dynamic Position Analysis Historical and Estimated S-65E Monthly Flow for April from 1965 - 2005



April 2017 Dynamic Position Analysis Historical and Estimated S-65E Monthly Flow for May from 1965 - 2005

