

## Dynamic Position Analysis for July 2015

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

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# July 2015 Dynamic Position Analysis Using Hybrid LOWSM Modeling Assumptions

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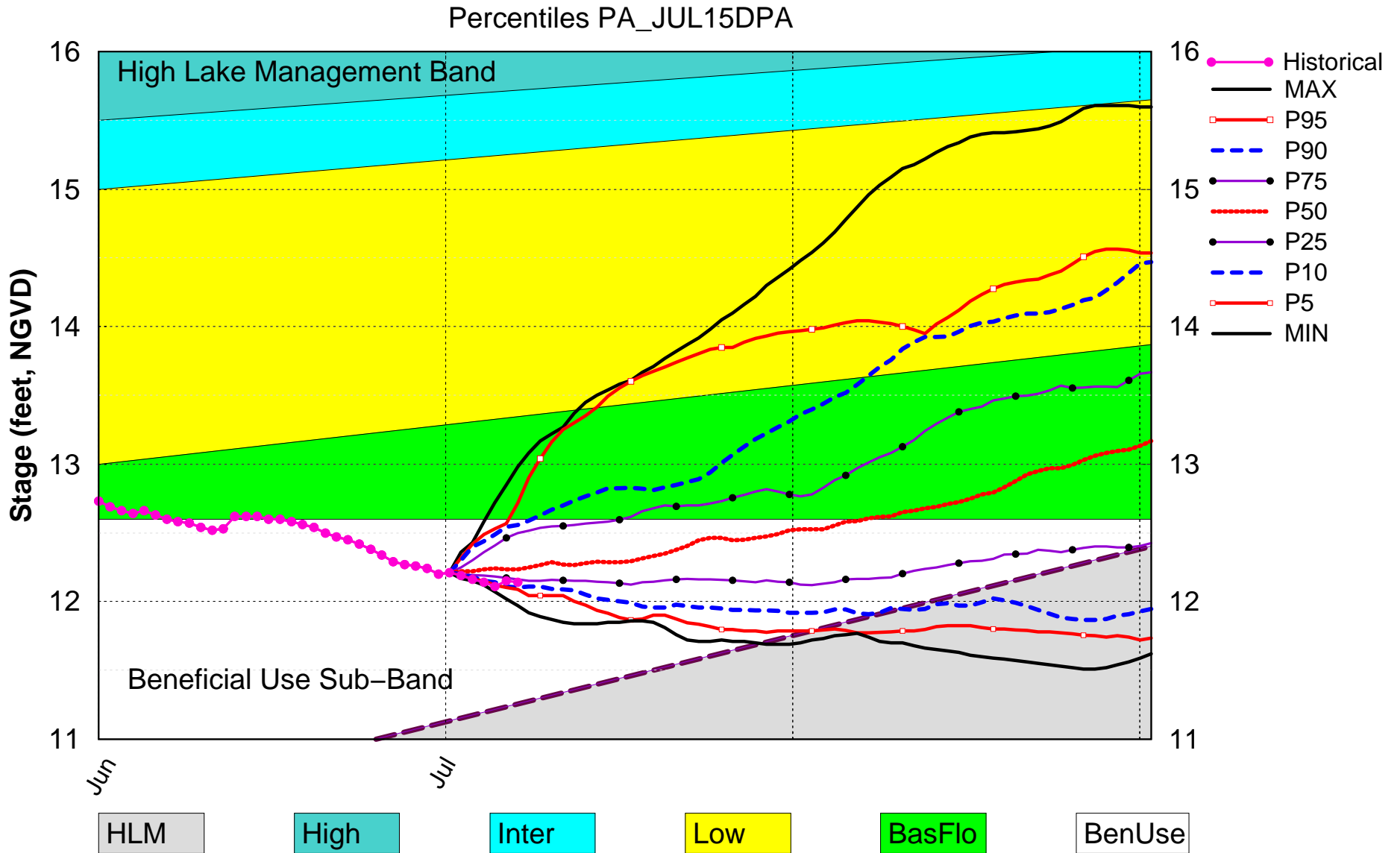
- July 2015 DPA is based on regular Position Analysis applying V6.7.4 of the SFWMM, and assuming the current Lake Okeechobee Net Inflow Outlook (LONINO) for each year simulated. It is based on historical climatic conditions spanning the period 1965-2005
- The model is reinitialized June 1<sup>st</sup> 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.
- El Niño Southern Oscillation is expected to remain in the El Niño phase into the summer.

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.
  
- ERTP 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](#).

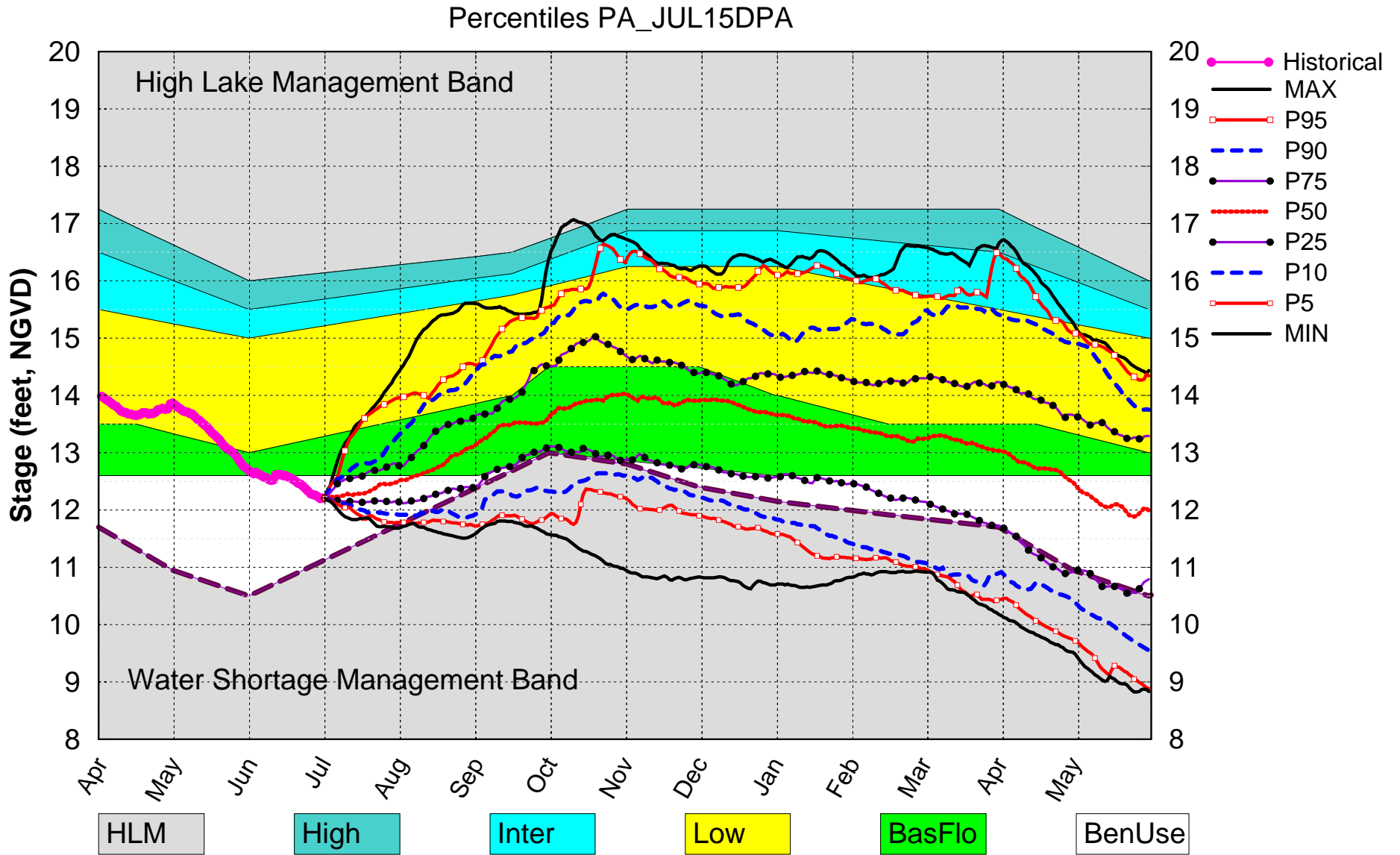
**[Back to Operational Planning Main Page](#)**

# Lake Okeechobee SFWMM July 2015 Position Analysis



(See assumptions on the Position Analysis Results website)

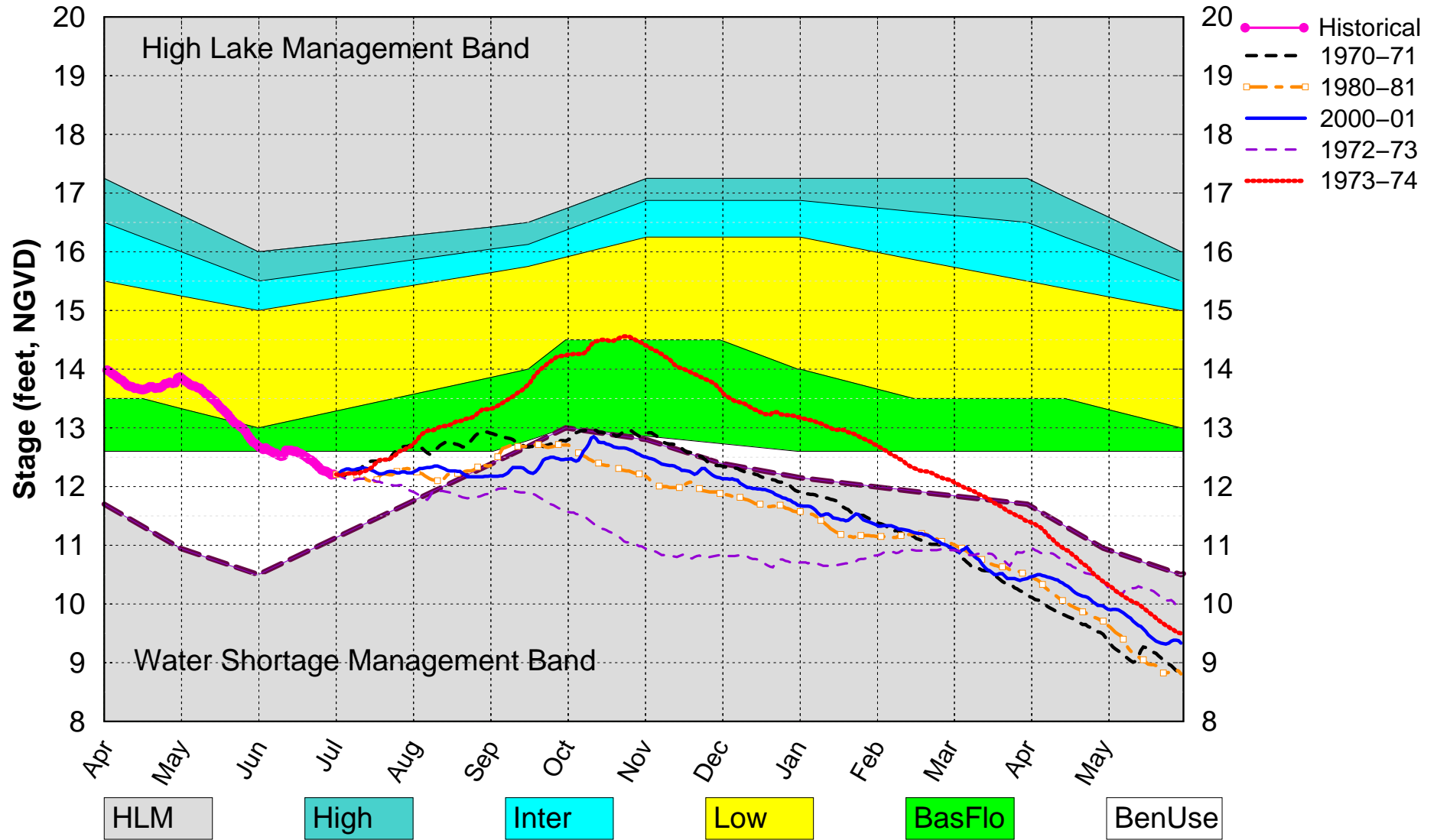
# Lake Okeechobee SFWMM July 2015 Dynamic Position Analysis



(See assumptions on the Position Analysis Results website)

# Lake Okeechobee SFWMM July 2015 Dynamic Position Analysis

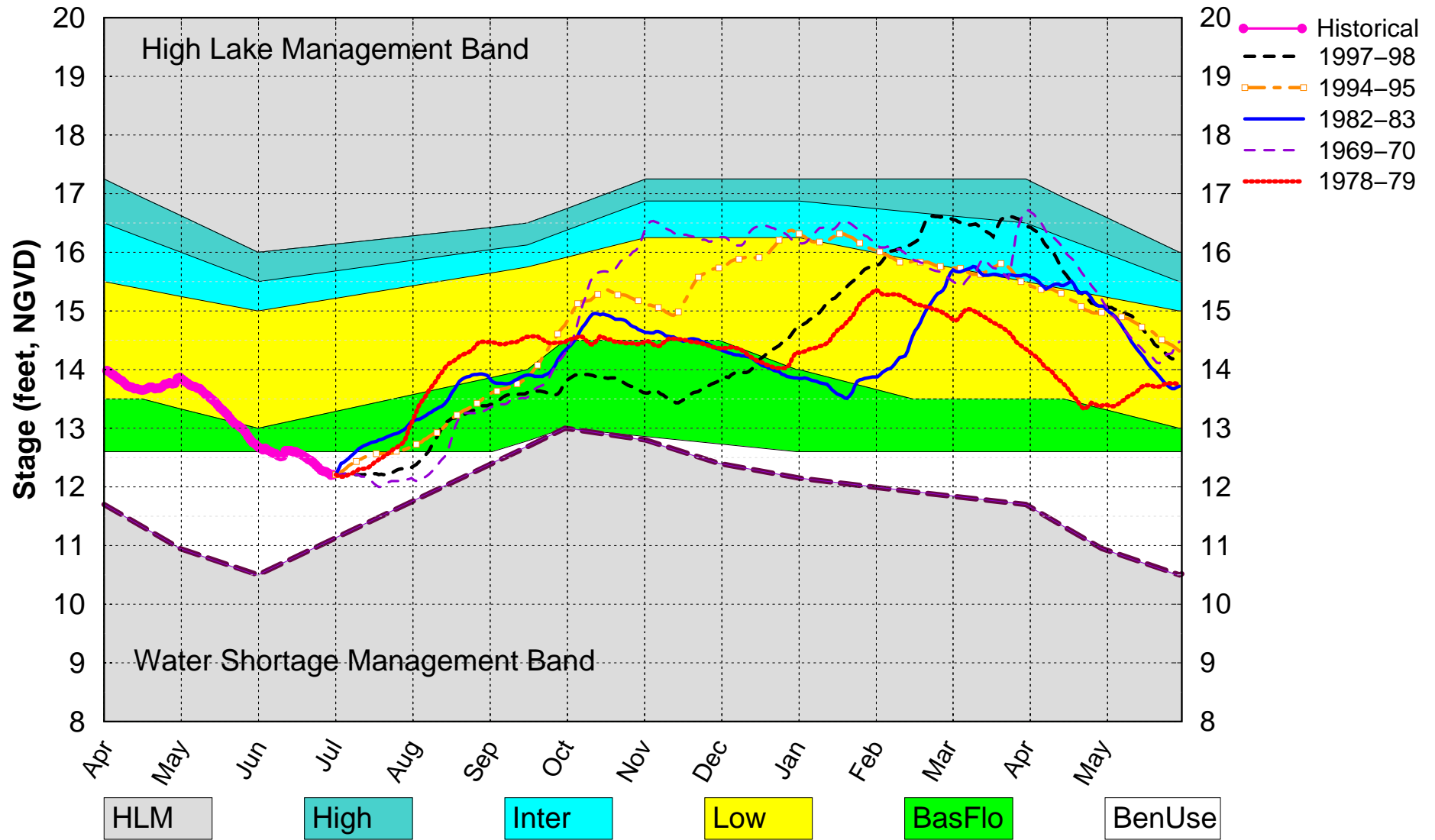
Dry Years Plot PA\_JUL15DPA



(See assumptions on the Position Analysis Results website)

# Lake Okeechobee SFWMM July 2015 Dynamic Position Analysis

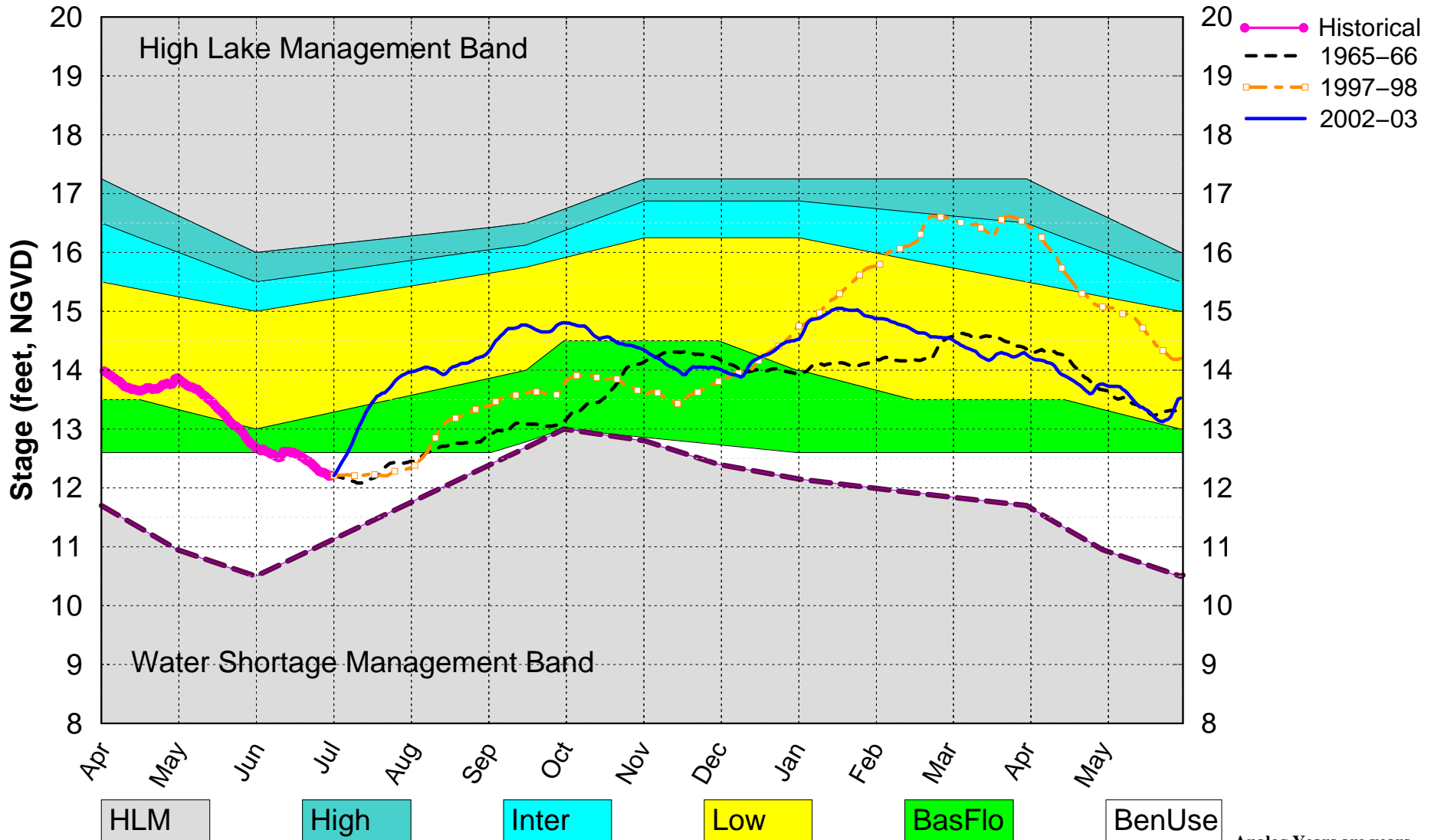
Wet Years Plot PA\_JUL15DPA



(See assumptions on the Position Analysis Results website)

# Lake Okeechobee SFWMM July 2015 Dynamic Position Analysis

AMO Warm / El Nino Analog Years Plot PA\_JUL15DPA



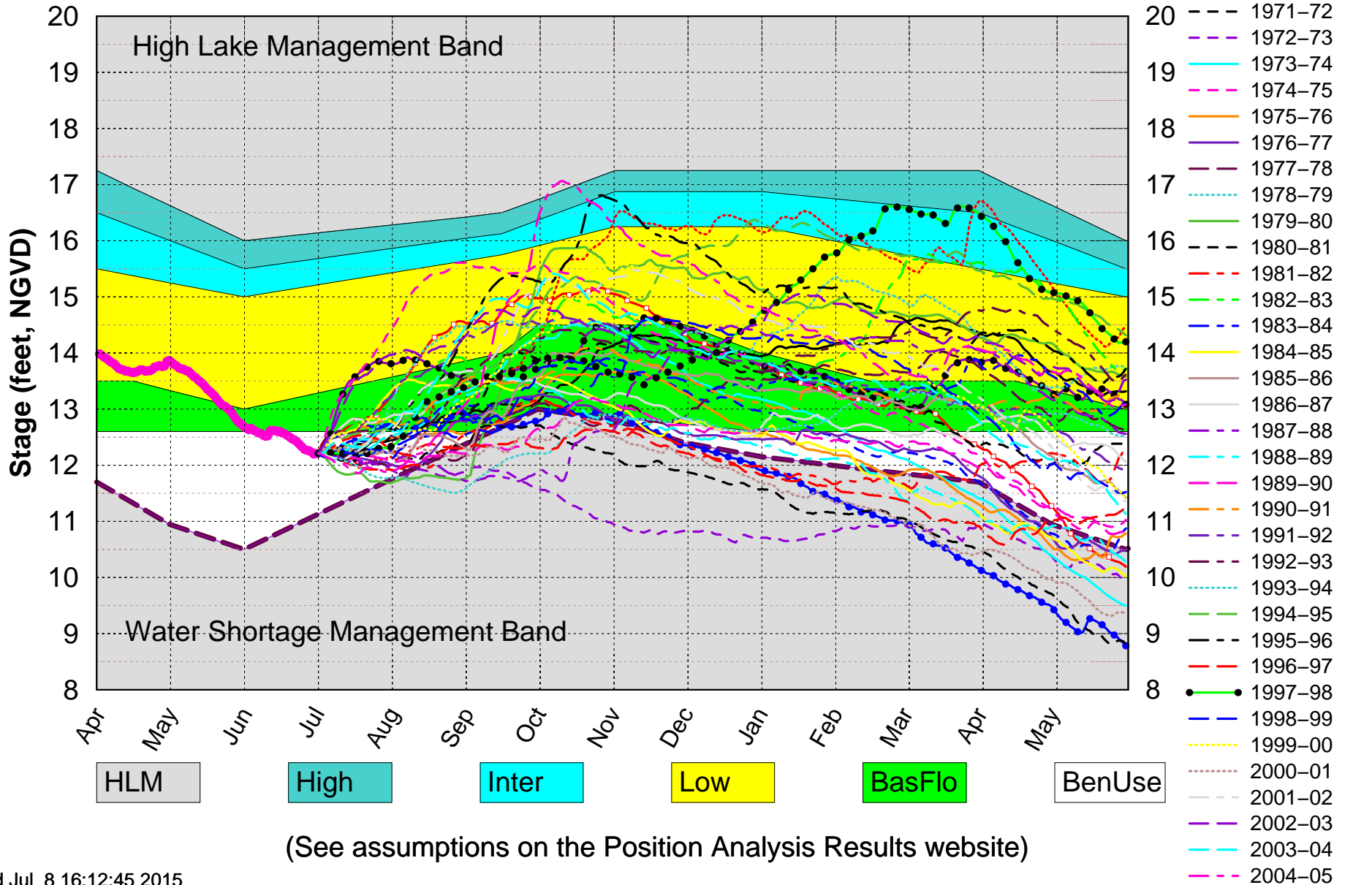
(See assumptions on the Position Analysis Results website)

Analog Years are years with similar climatological conditions to the current year.



# Lake Okeechobee SFWMM July 2015 Dynamic Position Analysis

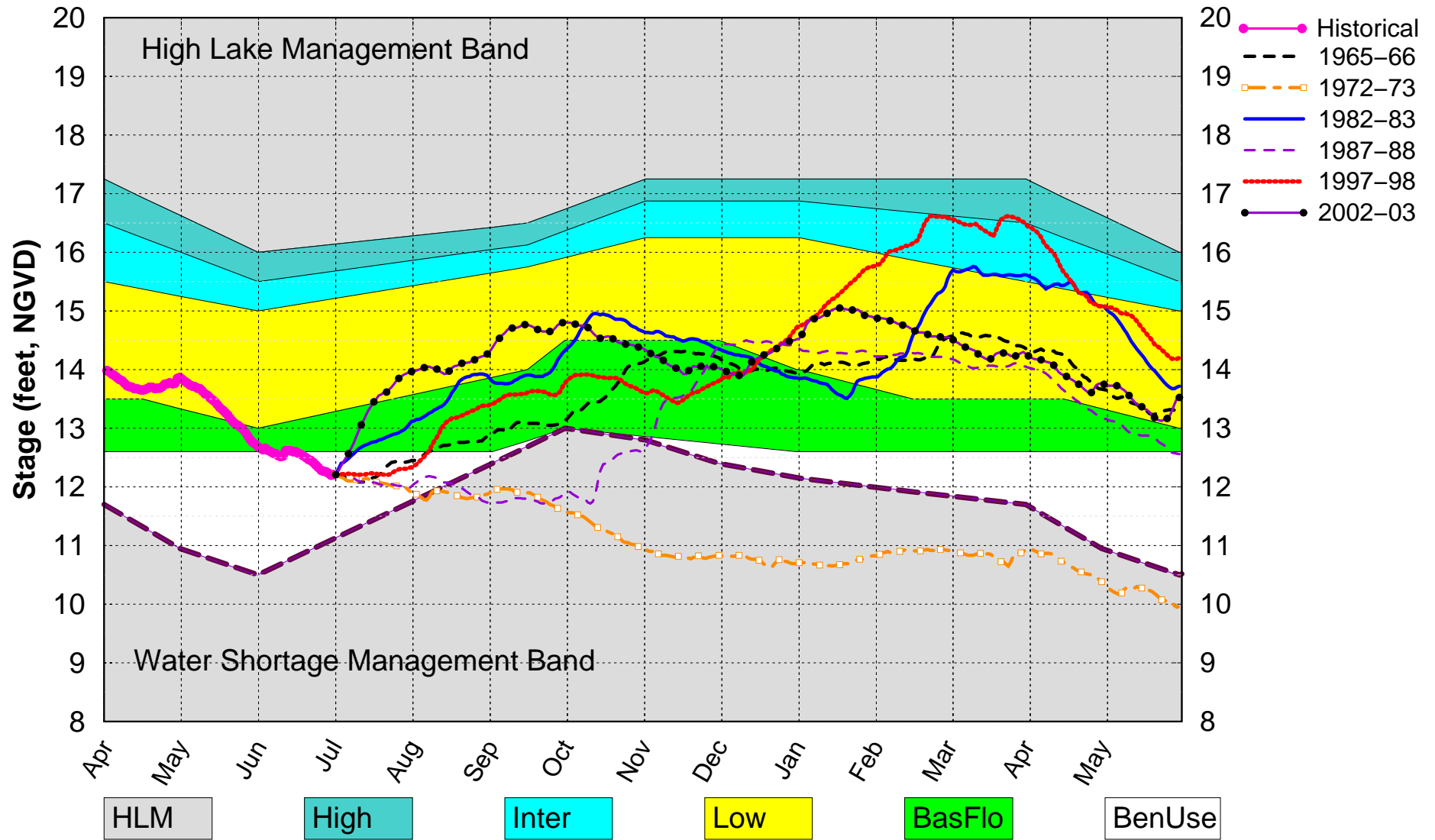
All Simulated Years Plot PA\_JUL15DPA



(See assumptions on the Position Analysis Results website)

# Lake Okeechobee SFWMM July 2015 Dynamic Position Analysis

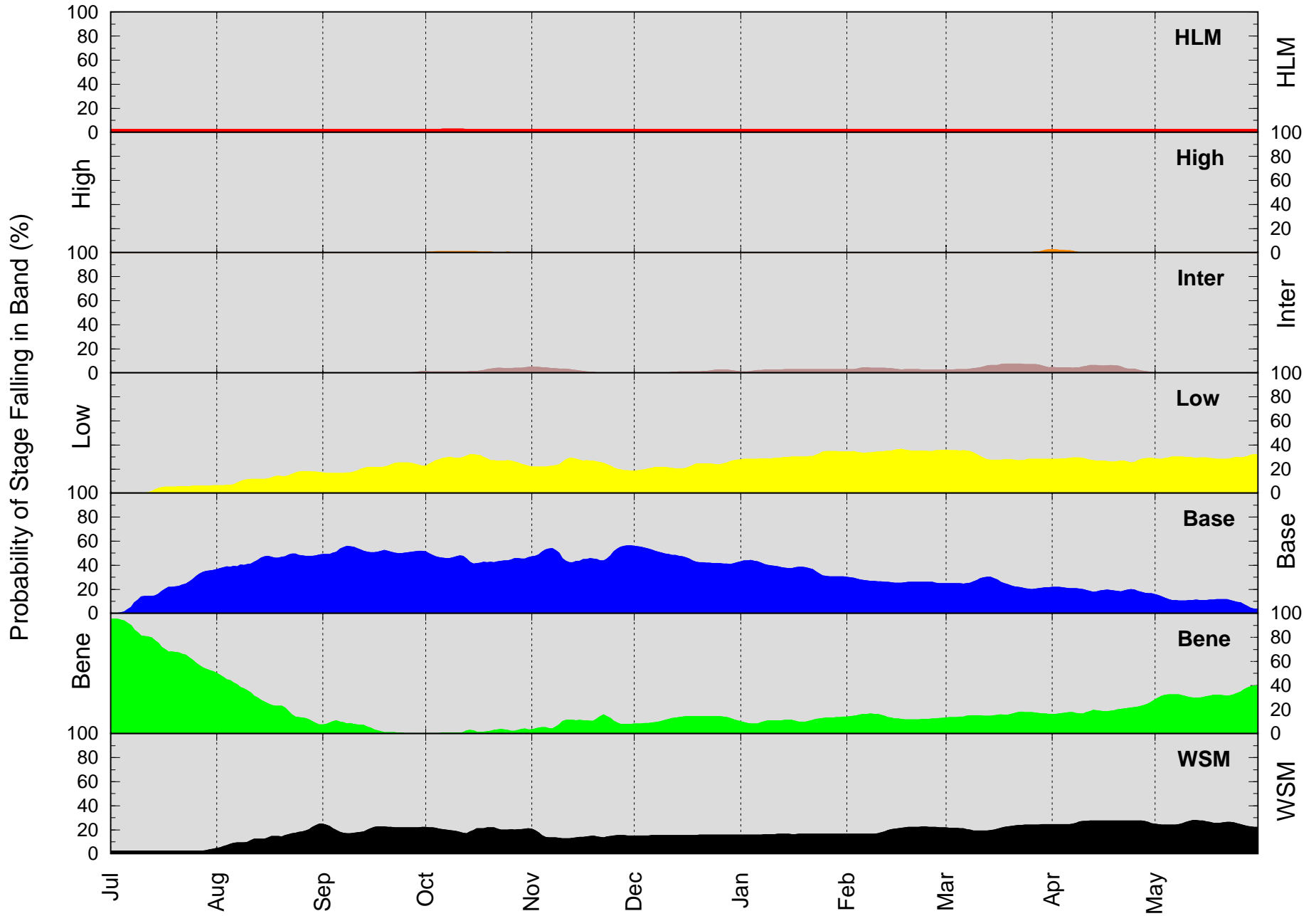
All El Nino Years Plot PA\_JUL15DPA



(See assumptions on the Position Analysis Results website)

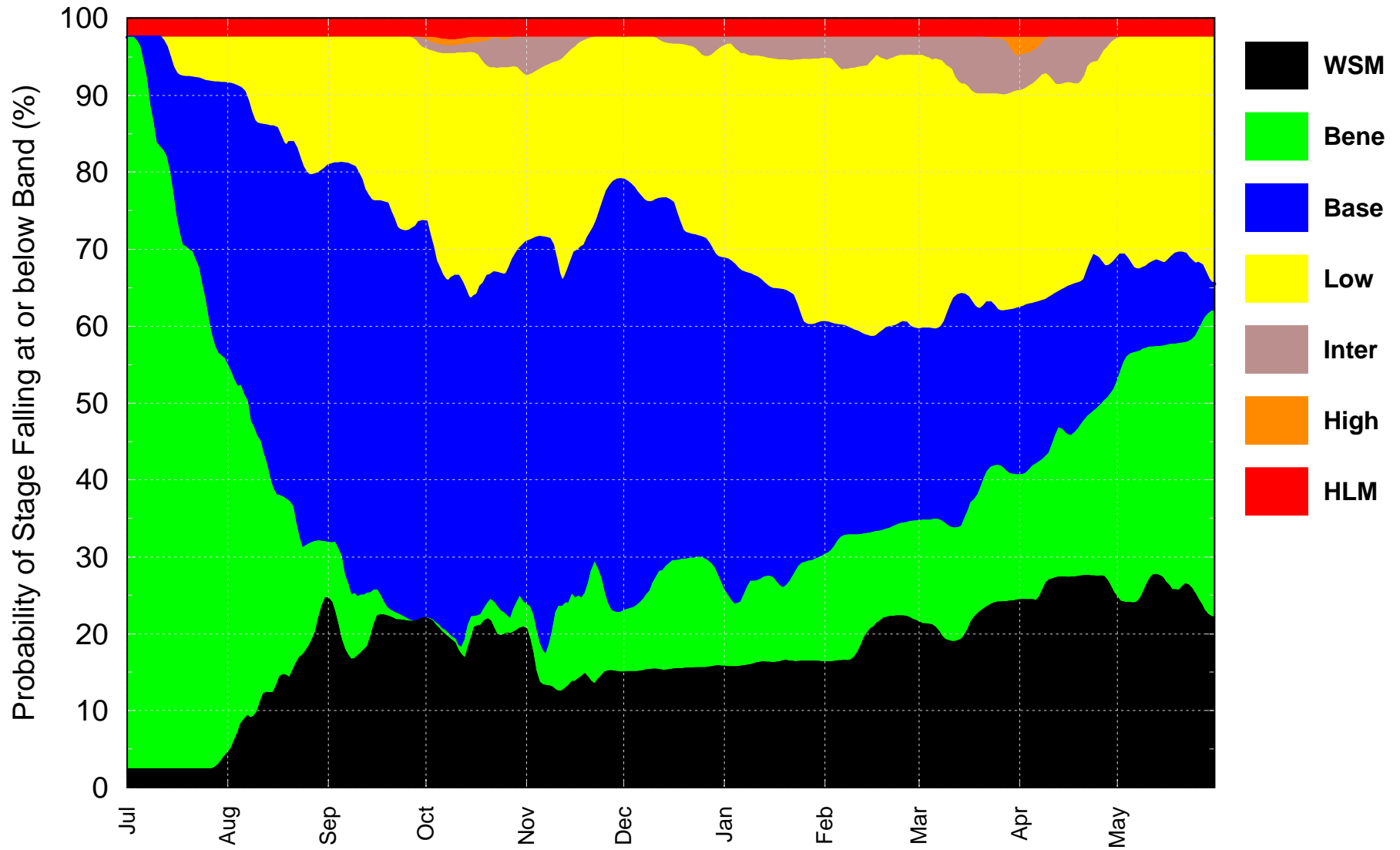
# Lake Okeechobee – Band Probabilities

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



# Lake Okeechobee – Probabilities for Operational Bands

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



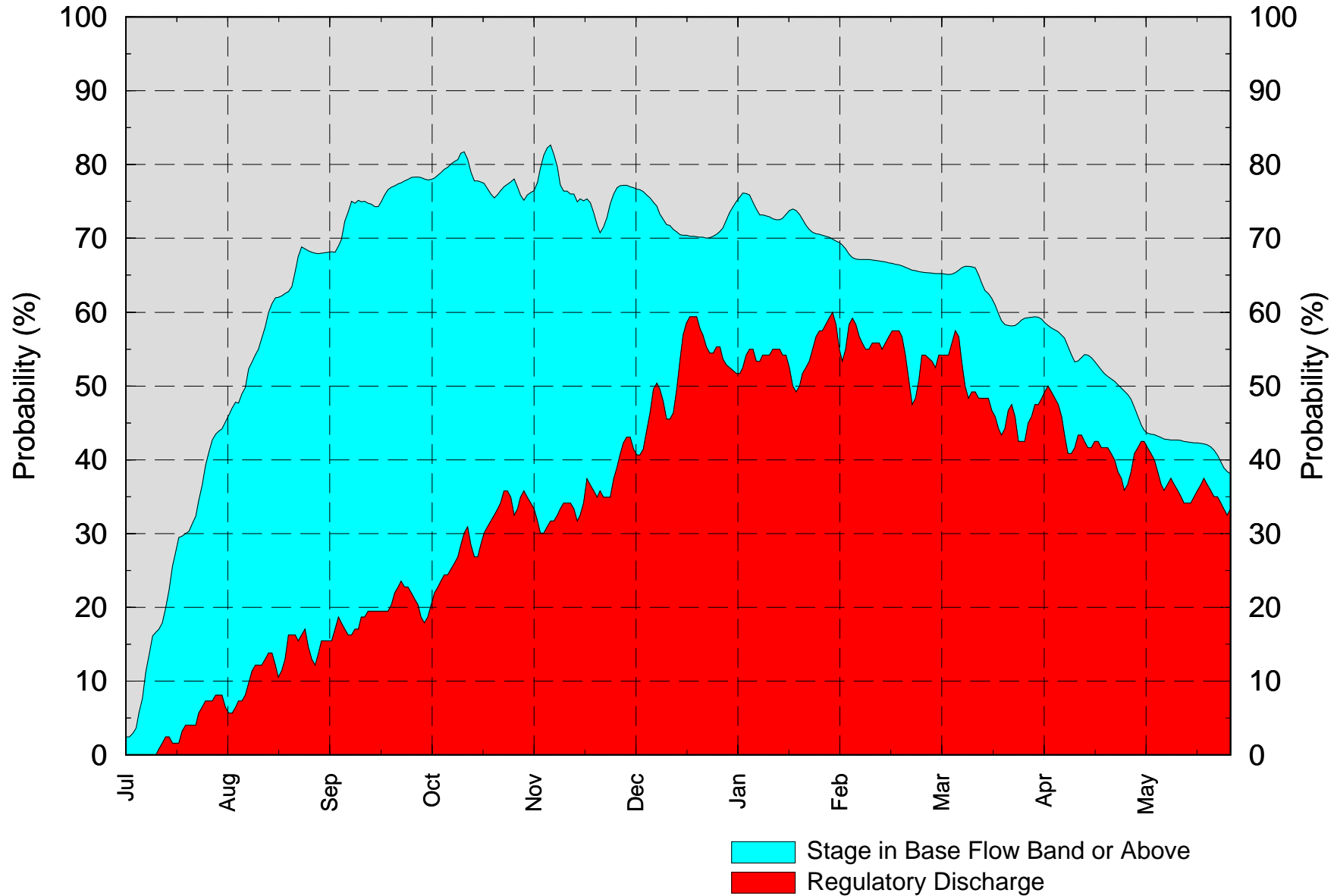
The width for each band gives the probability of stage falling in that band, as defined by the operational schedules.

Lake Okechobee Band Probabilities (%) at the Beginning of Each Month  
'(See assumptions on the Position Analysis Results website)'  
Initial Stage 12.57 ft. for 06/01/2015

Date	HLM	High	Inter	Low	Base	Bene	WSM
2015 06 01	2.4	0.0	0.0	0.0	0.0	95.1	2.4
2015 07 01	2.4	0.0	0.0	0.0	0.0	95.1	2.4
2015 08 01	2.4	0.0	0.0	6.1	36.6	50.3	4.6
2015 09 01	2.4	0.0	0.0	16.8	48.9	7.2	24.7
2015 10 01	2.4	0.3	1.2	22.6	51.4	0.0	22.1
2015 11 01	2.4	0.0	5.0	21.7	47.1	3.1	20.7
2015 12 01	2.4	0.0	0.1	18.5	55.9	8.0	15.0
2016 01 01	2.4	0.0	1.1	27.8	43.0	9.9	15.8
2016 02 01	2.4	0.0	2.8	34.3	30.1	14.0	16.4
2016 03 01	2.4	0.0	2.4	35.7	24.7	13.1	21.6
2016 04 01	2.4	2.4	4.6	28.3	21.6	16.2	24.4
2016 05 01	2.4	0.0	0.1	28.7	15.9	28.1	24.8

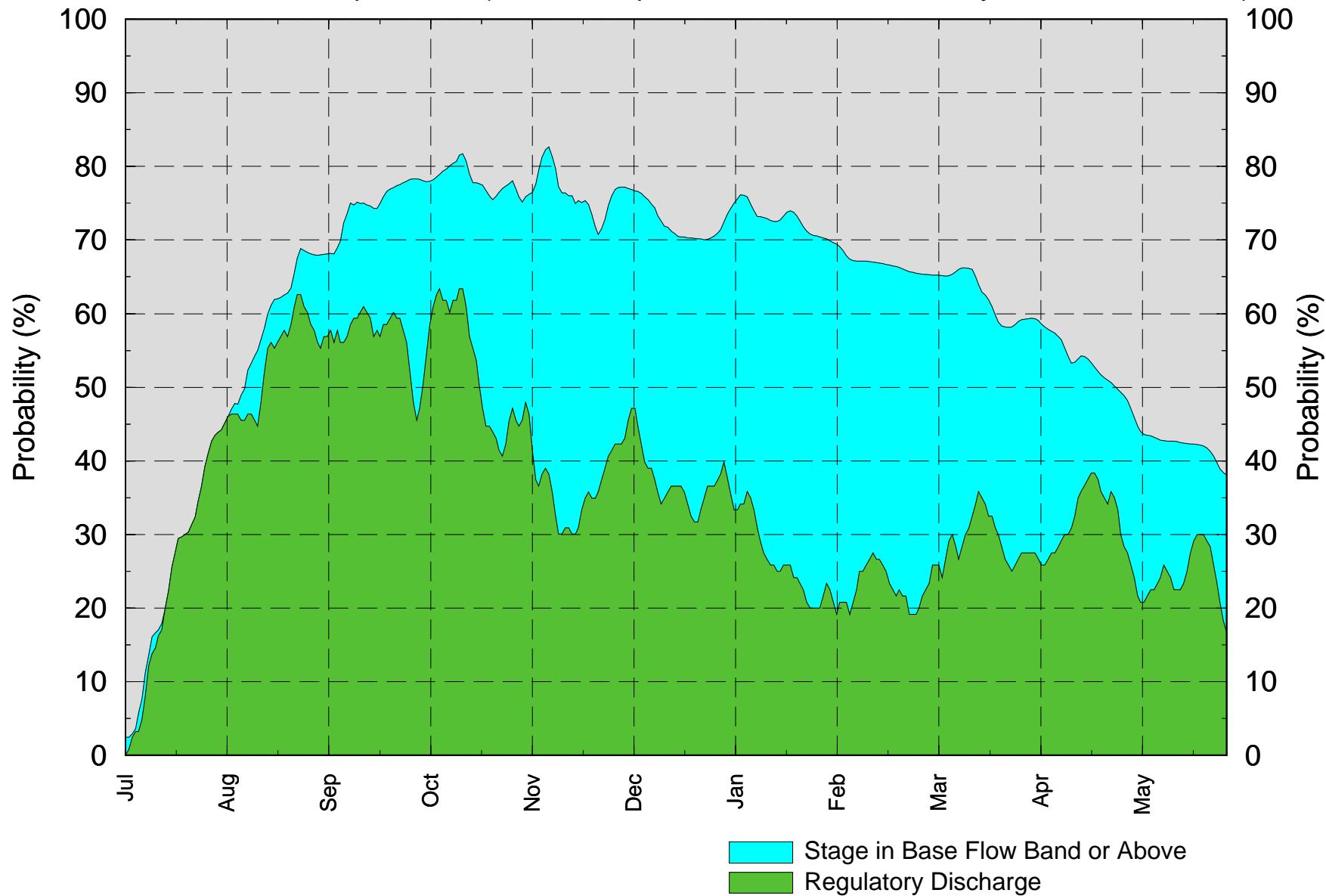
# Lake Okeechobee – LORS2008 Releases to the Estuaries

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



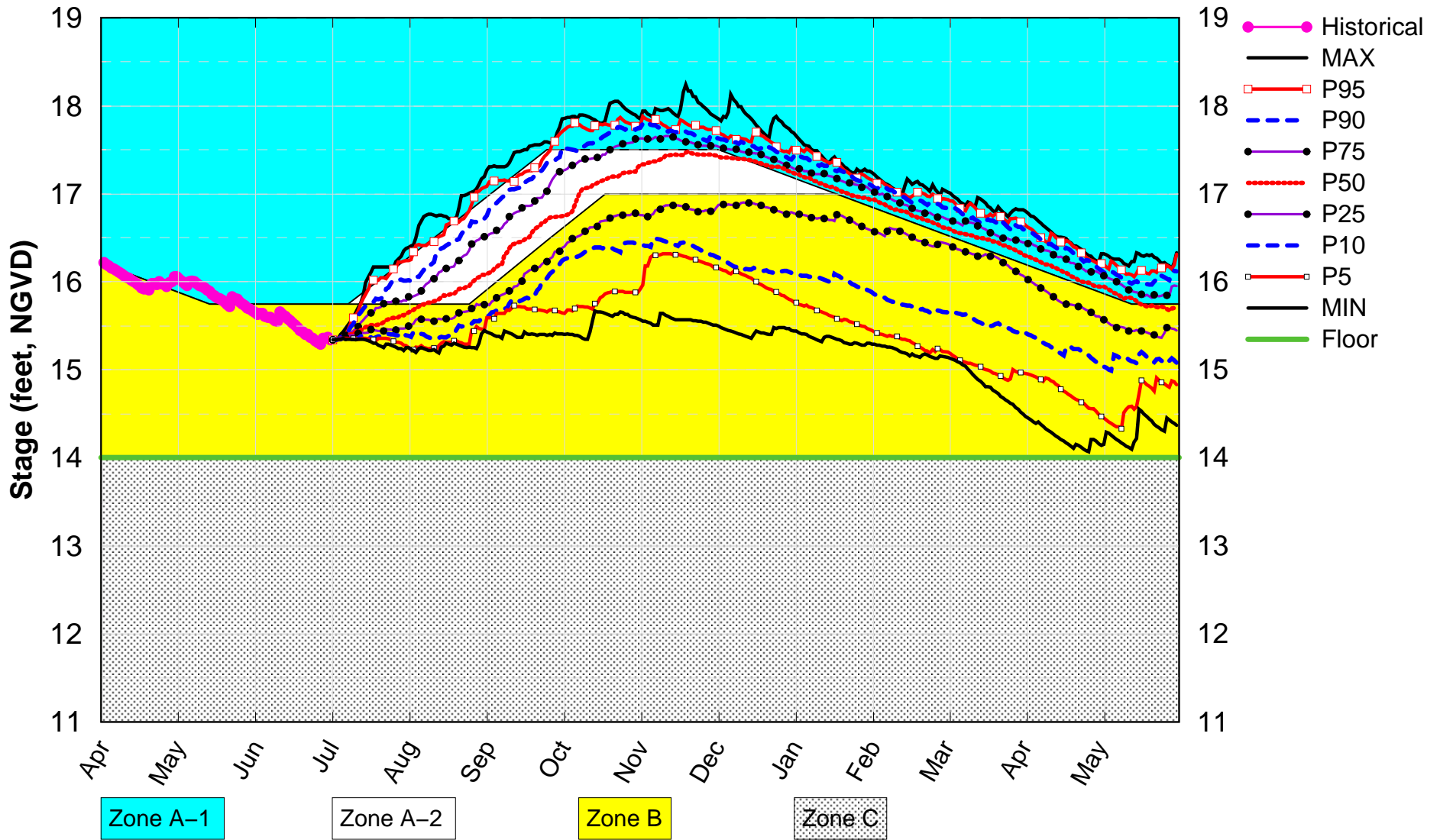
# Lake Okeechobee – LORS2008 Releases to the WCA's

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



# WCA1 SFWMM July 2015 Dynamic Position Analysis

Percentiles PA\_JUL15DPA

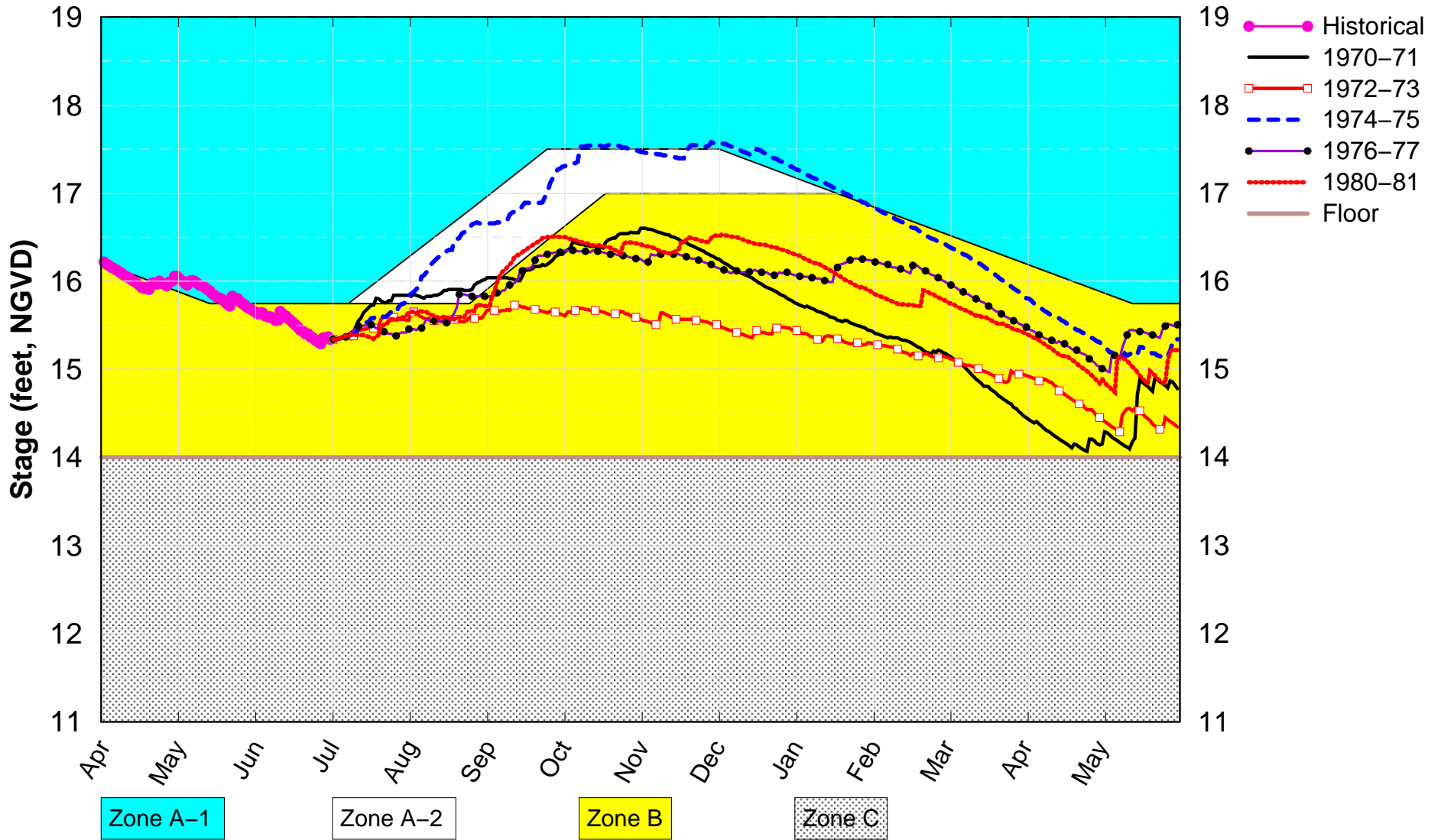


(See assumptions on the Position Analysis Results website)



# WCA1 SFWMM July 2015 Dynamic Position Analysis

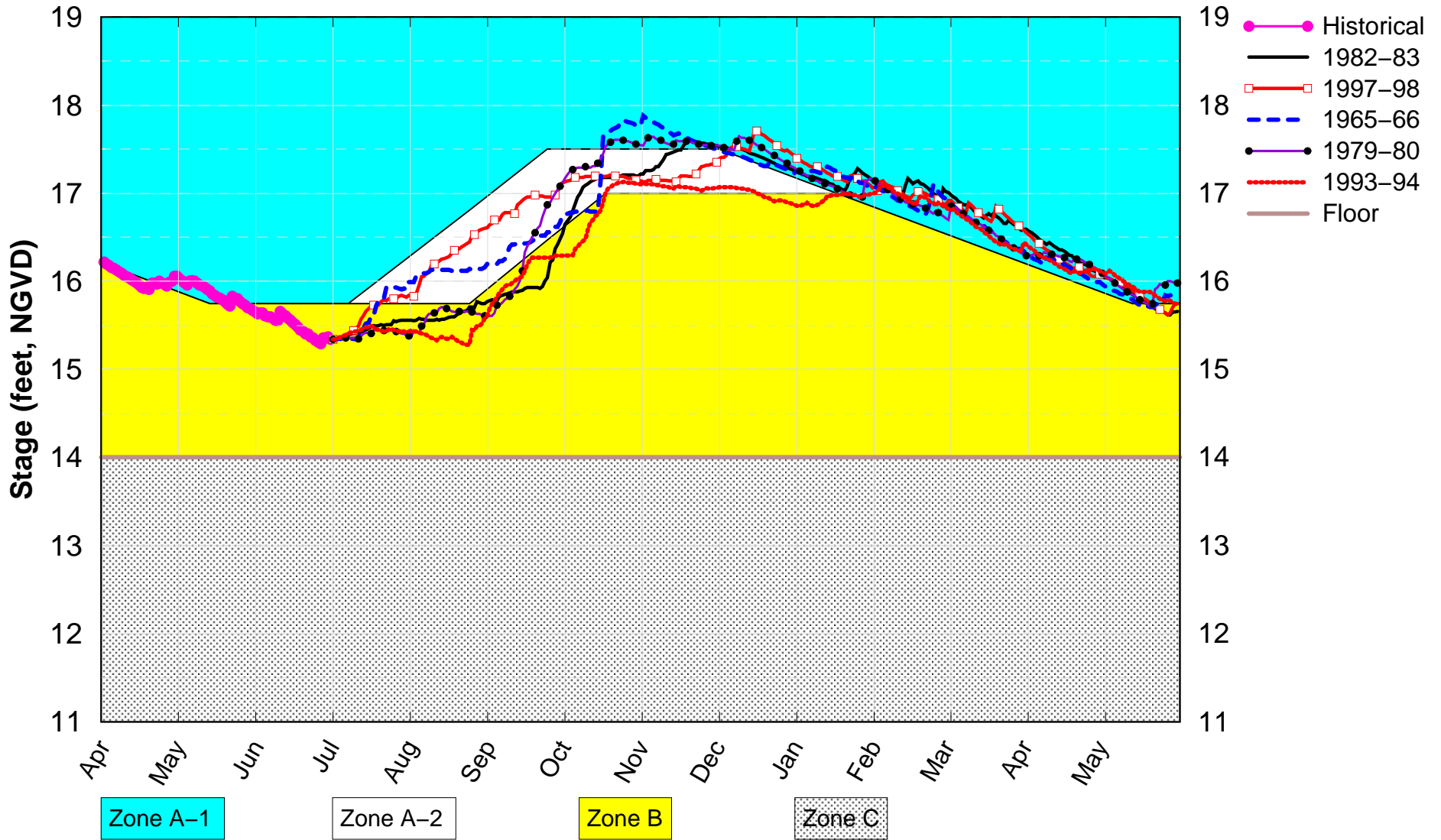
Dry Years Plot PA\_JUL15DPA



(See assumptions on the Position Analysis Results website)

# WCA1 SFWMM July 2015 Dynamic Position Analysis

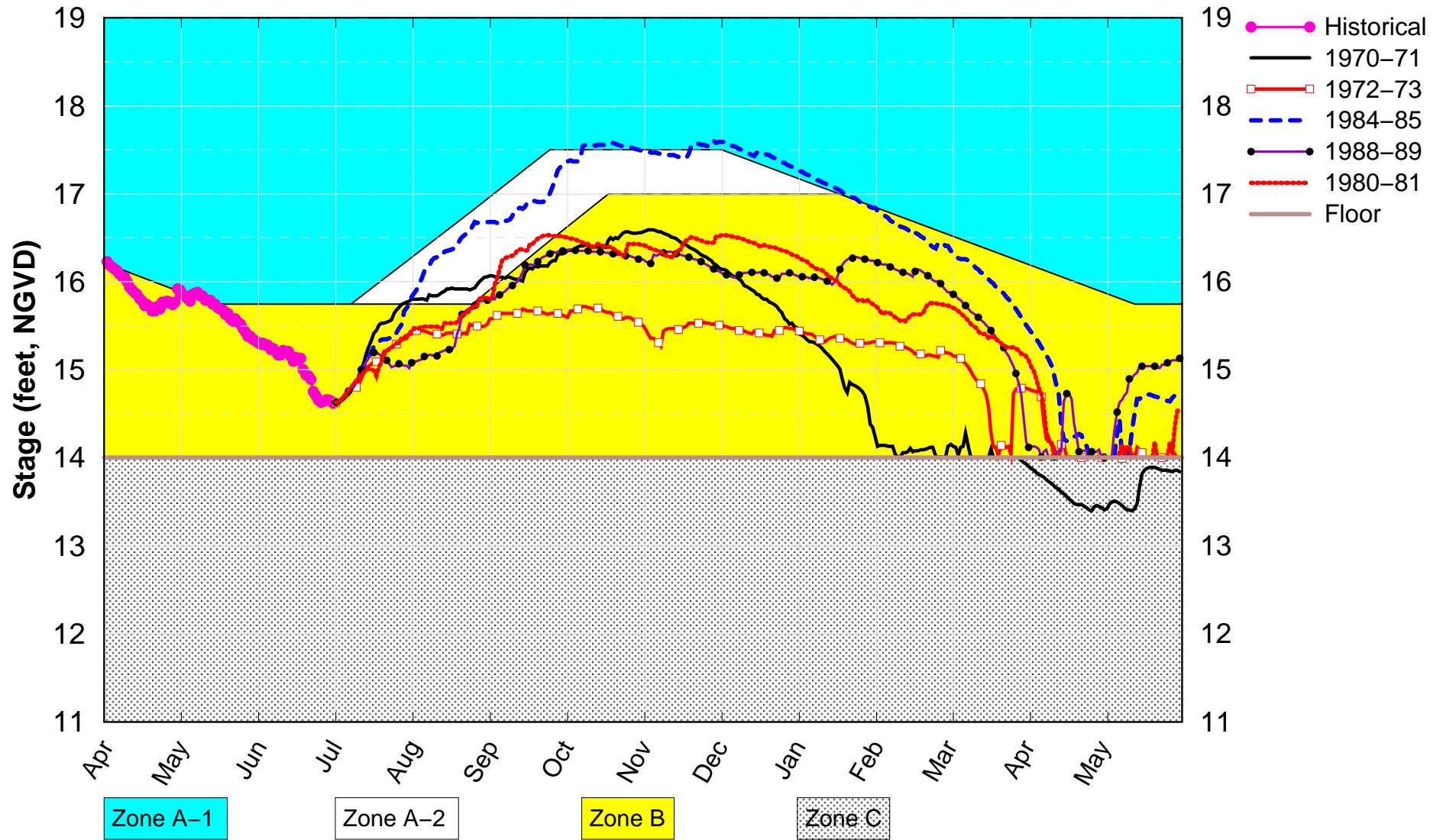
Wet Years Plot PA\_JUL15DPA



(See assumptions on the Position Analysis Results website)

# CA1 Canal SFWMM July 2015 Dynamic Position Analysis

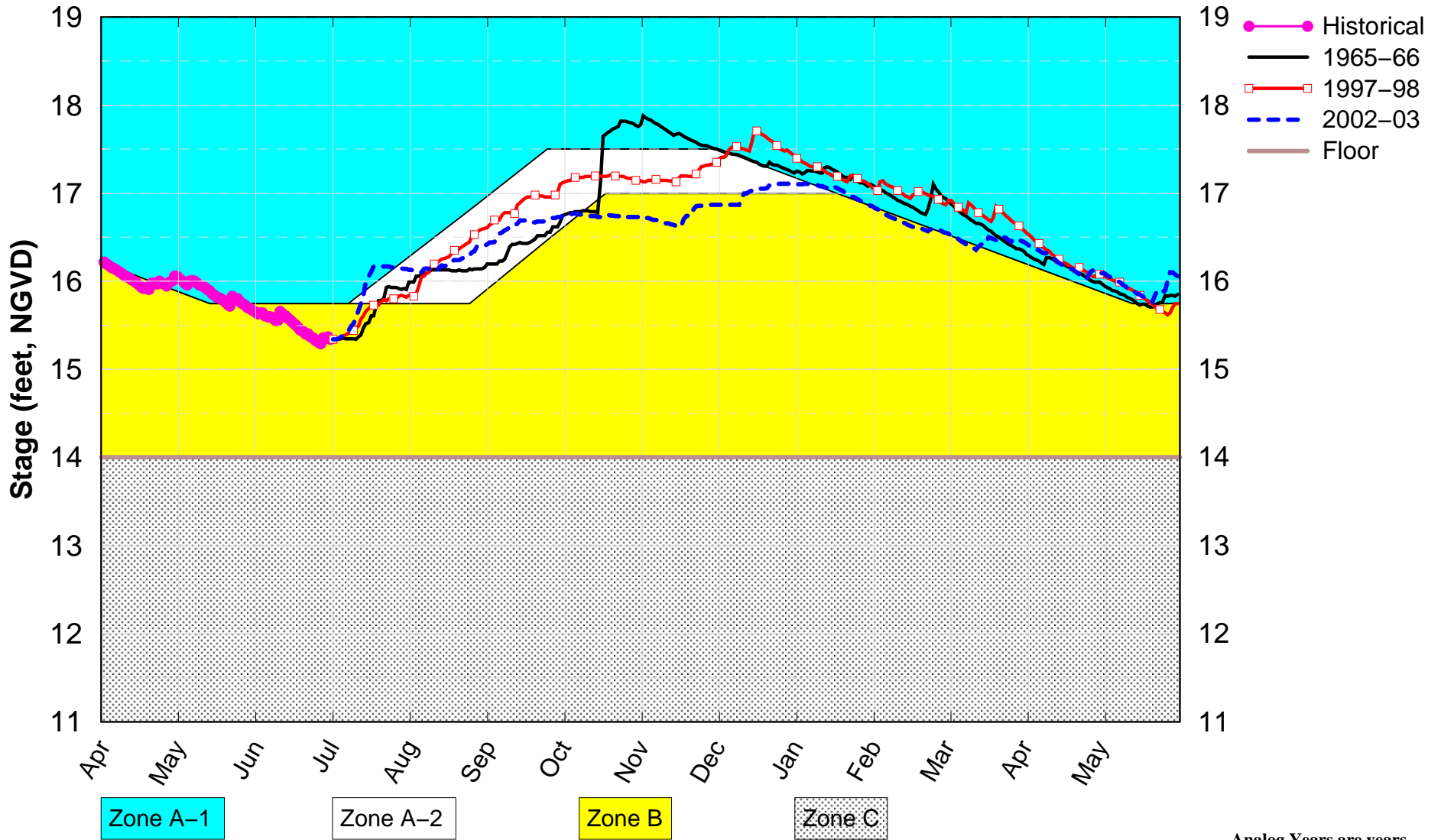
PA\_JUL15DPA Dry Years Plot



(See assumptions on the Position Analysis Results website)

# WCA1 SFWMM July 2015 Dynamic Position Analysis

AMO Warm / El Nino Analog Years Plot PA\_JUL15DPA

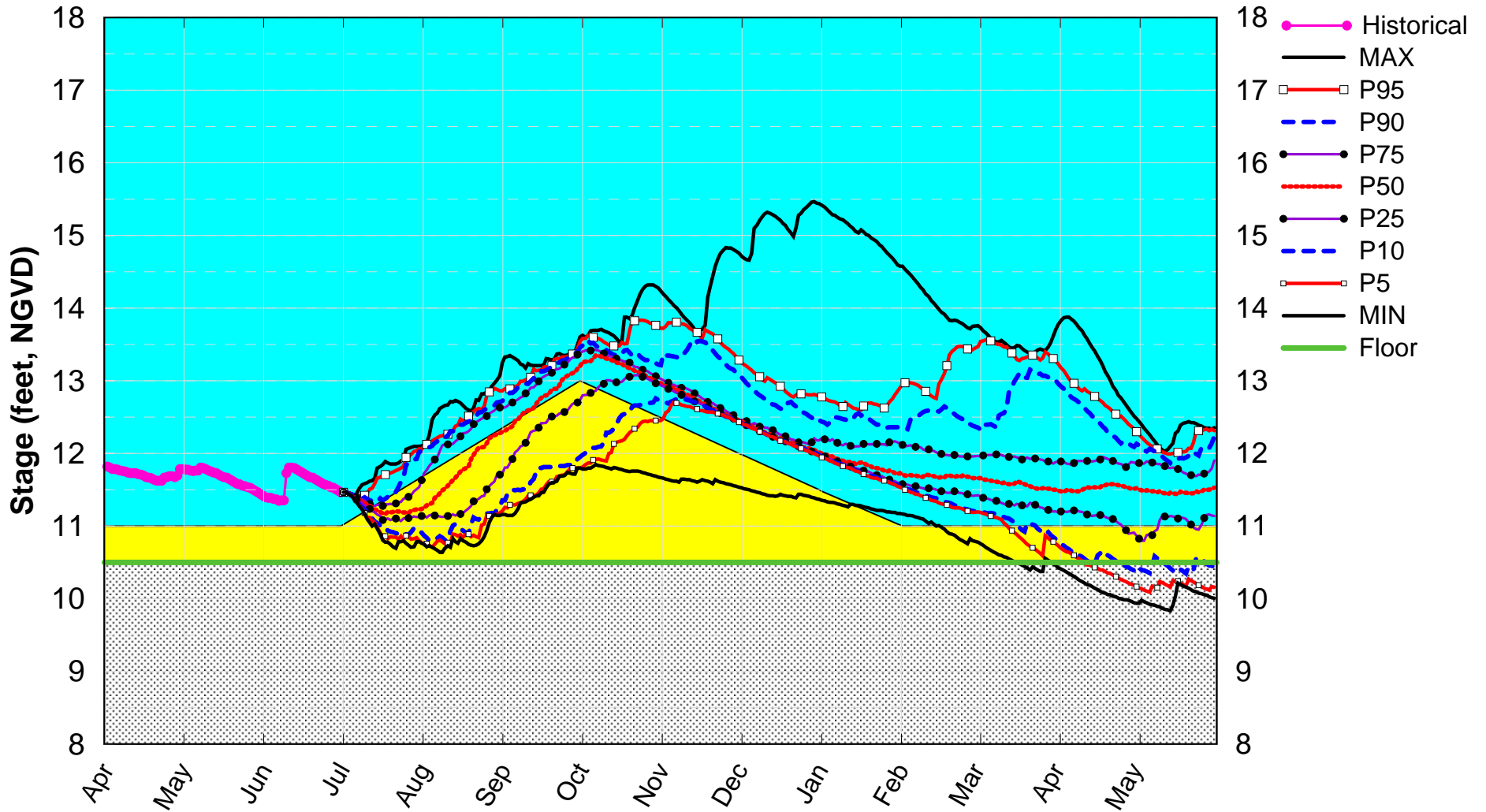


(See assumptions on the Position Analysis Results website)

Analog Years are years with similar climatological conditions to the current year.

# WCA2A SFWMM July 2015 Dynamic Position Analysis

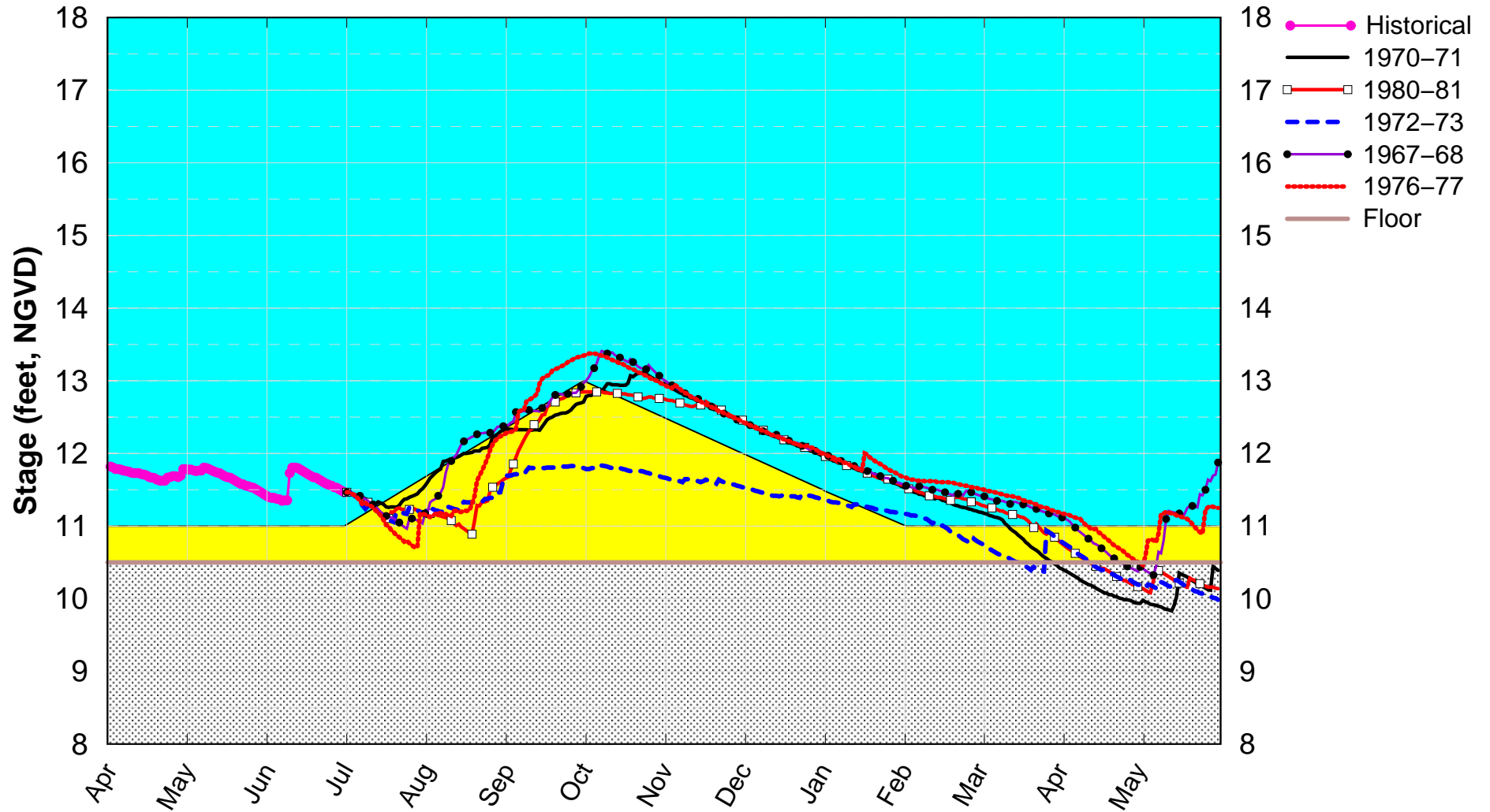
Percentiles PA\_JUL15DPA



(See assumptions on the Position Analysis Results website)

# WCA2A SFWMM July 2015 Dynamic Position Analysis

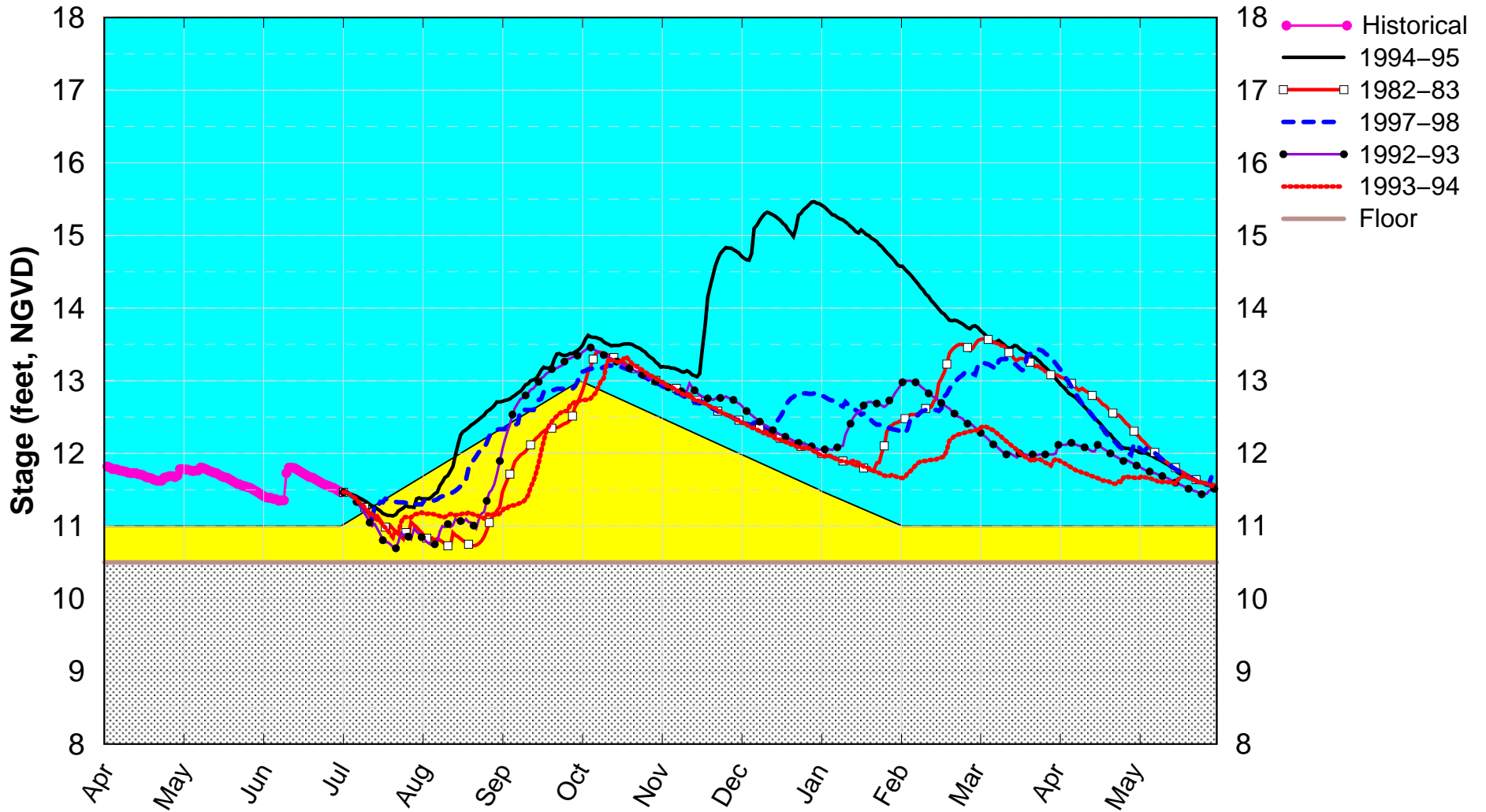
Dry Years Plot PA\_JUL15DPA



(See assumptions on the Position Analysis Results website)

# WCA2A SFWMM July 2015 Dynamic Position Analysis

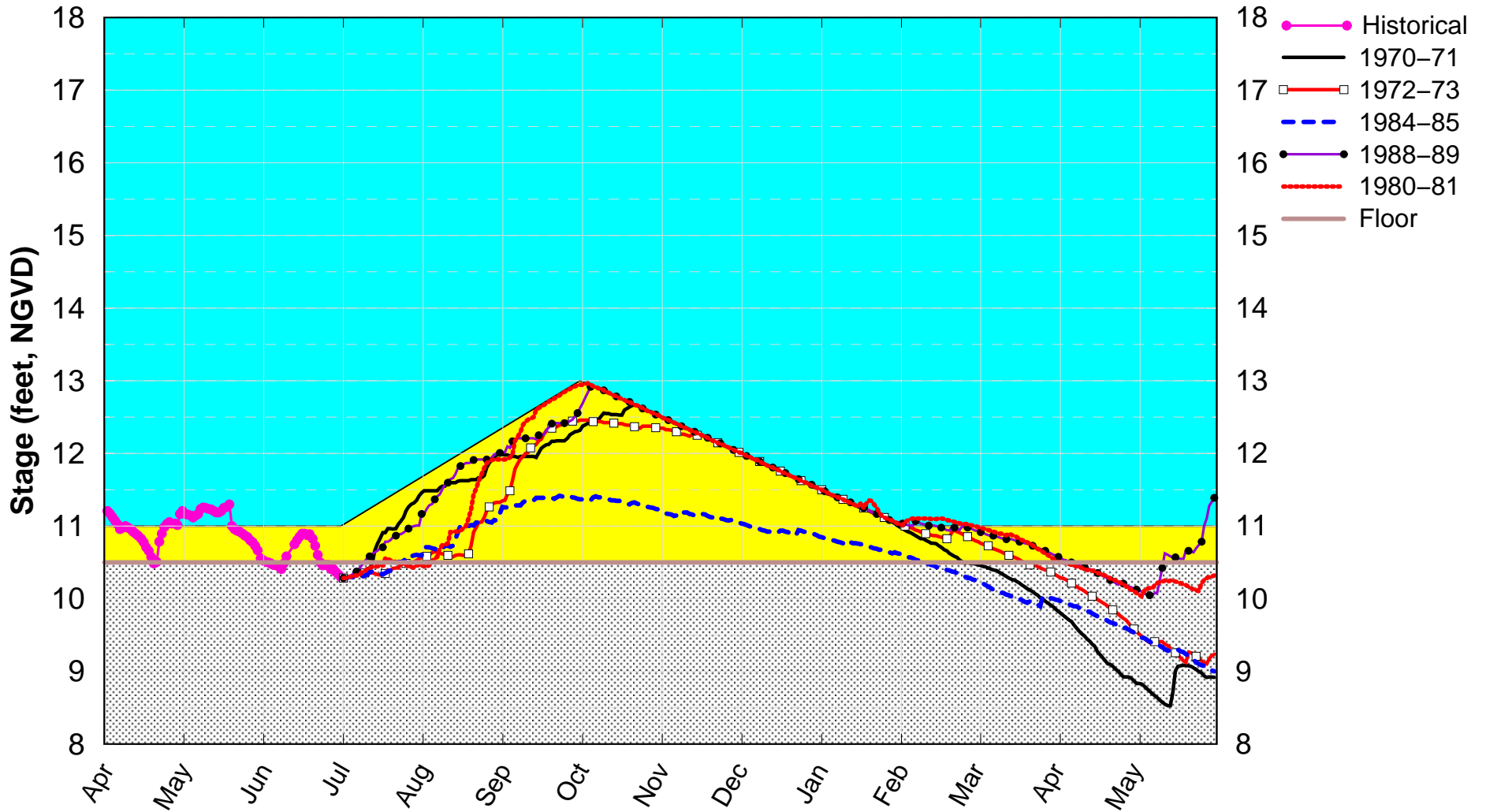
Wet Years Plot PA\_JUL15DPA



(See assumptions on the Position Analysis Results website)

# L38 Canal SFWMM July 2015 Dynamic Position Analysis

PA\_JUL15DPA Dry Years Plot

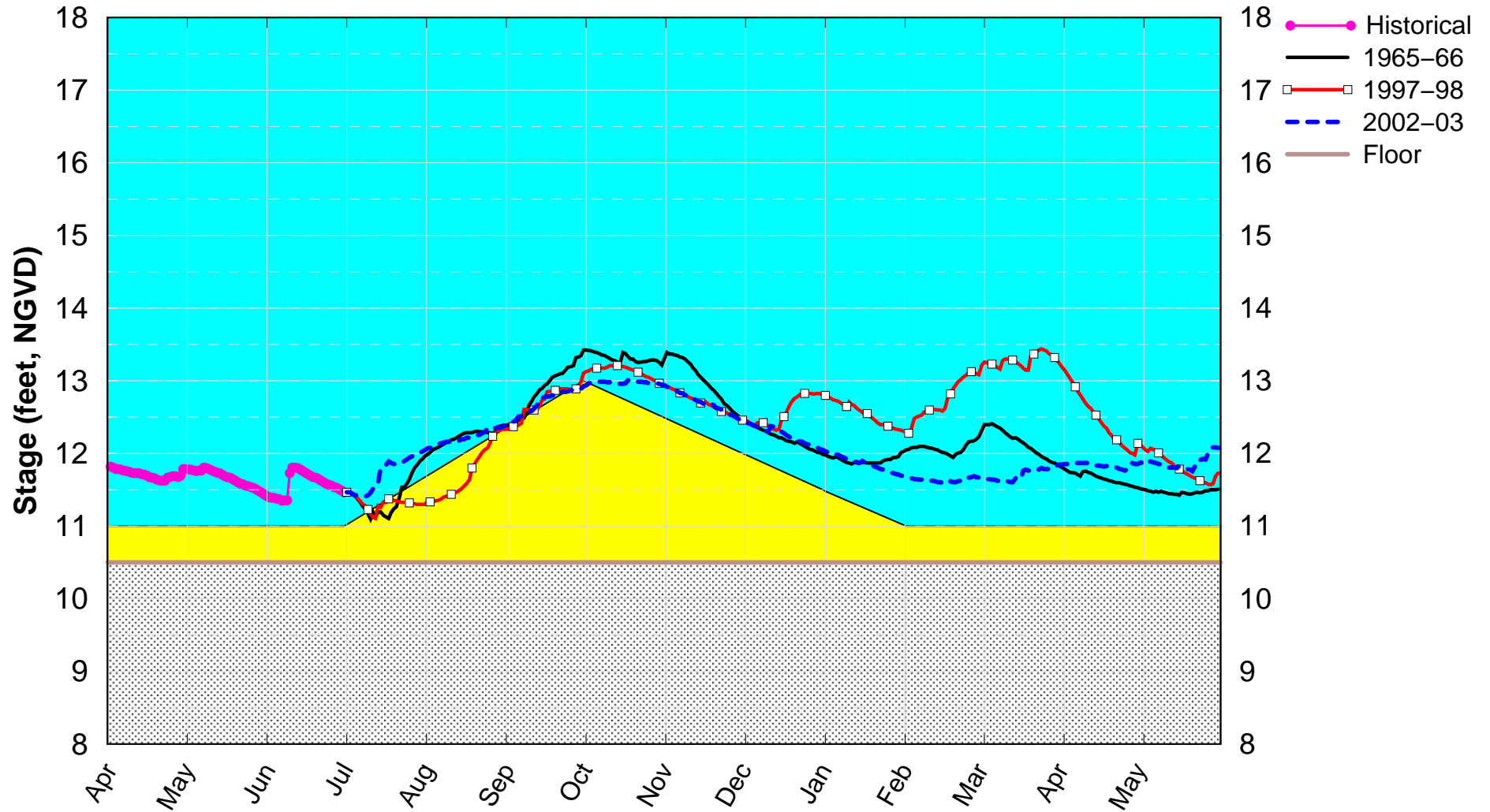


(See assumptions on the Position Analysis Results website)



# WCA2A SFWMM July 2015 Dynamic Position Analysis

AMO Warm / El Nino Analog Years Plot PA\_JUL15DPA

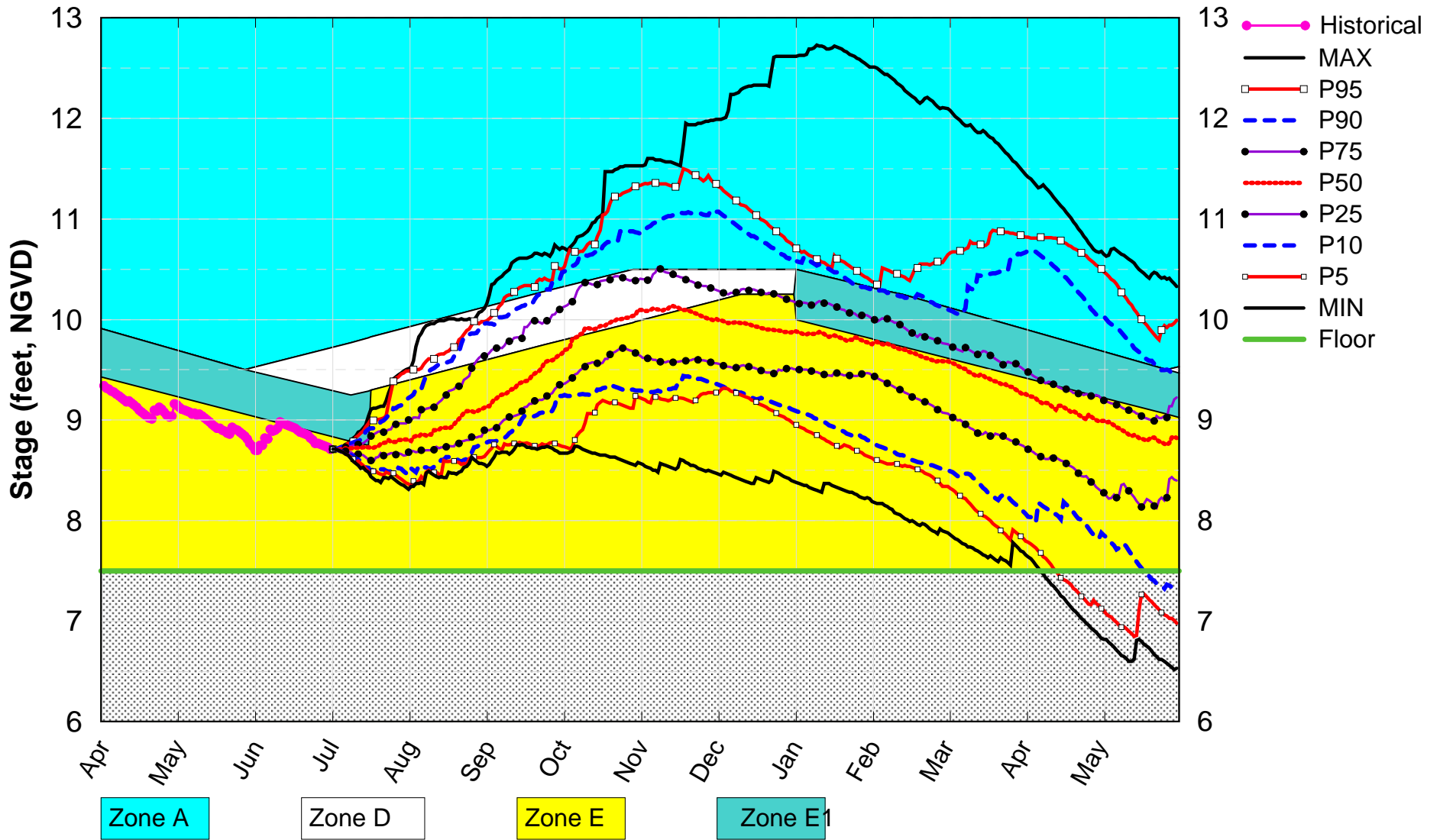


(See assumptions on the Position Analysis Results website)

Analog Years are years with similar climatological conditions to the current year.

# WCA3A SFWMM July 2015 Dynamic Position Analysis

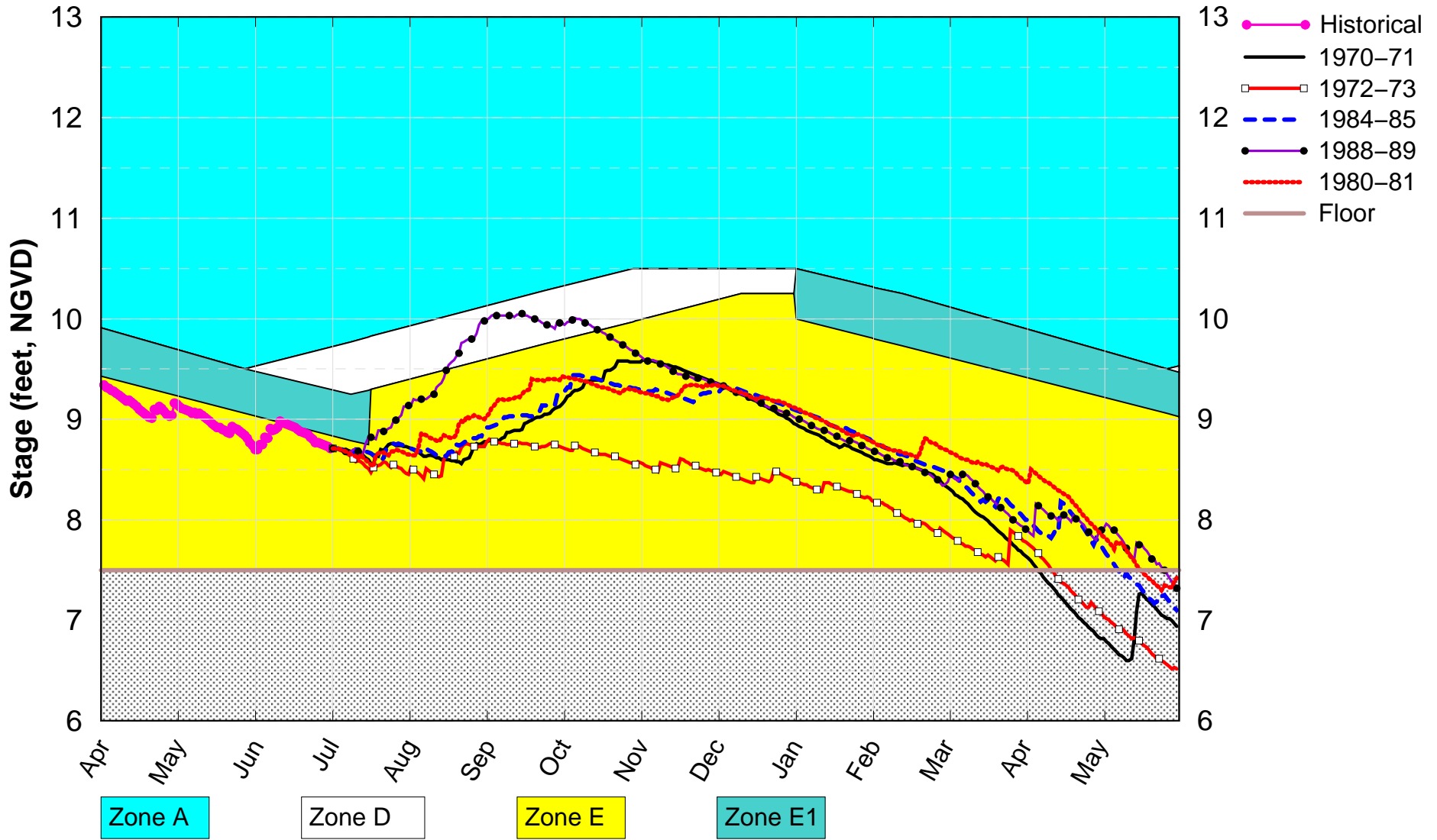
Percentiles PA\_JUL15DPA



(See assumptions on the Position Analysis Results website)

# WCA3A SFWMM July 2015 Dynamic Position Analysis

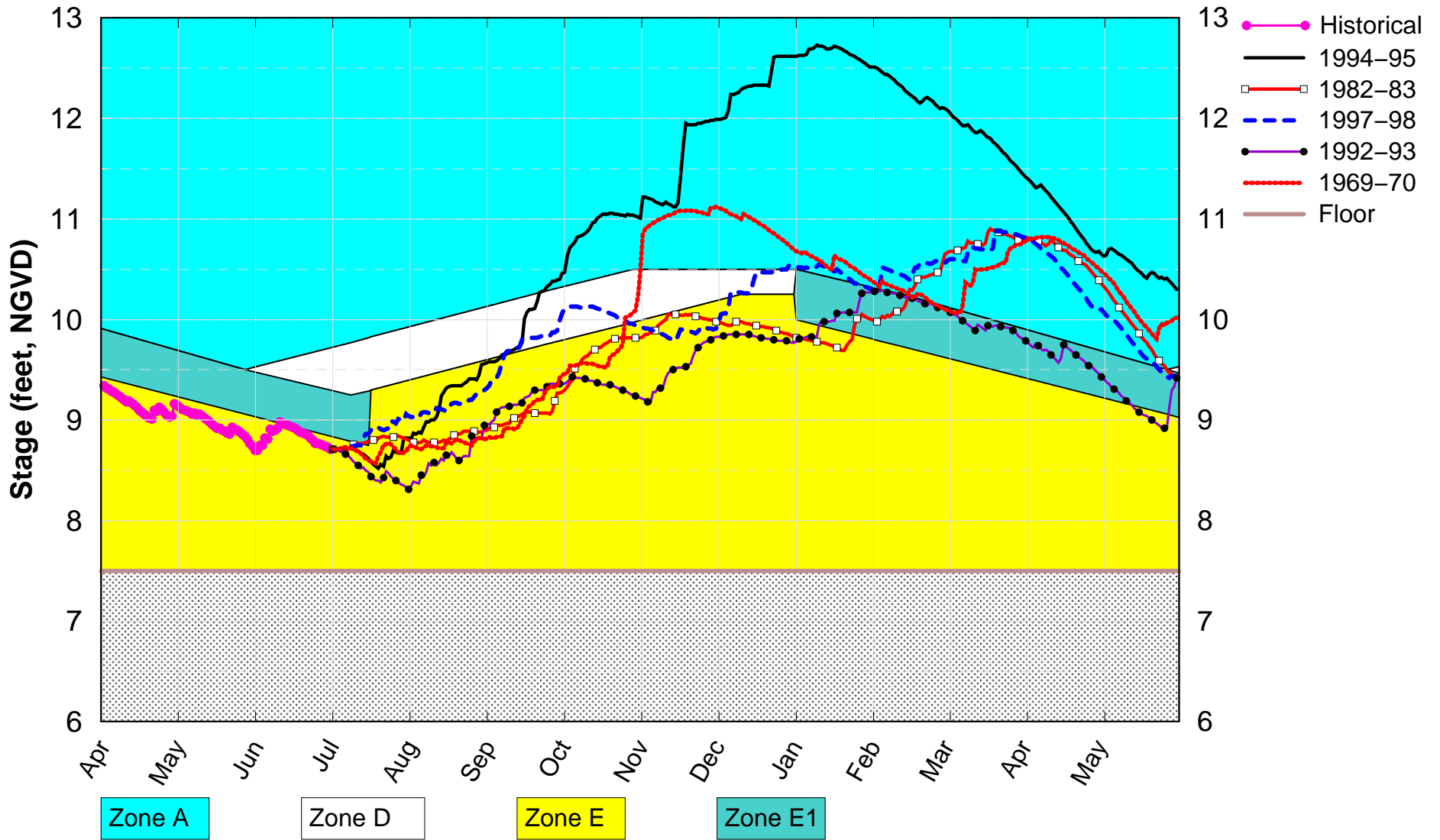
Dry Years Plot PA\_JUL15DPA



(See assumptions on the Position Analysis Results website)

# WCA3A SFWMM July 2015 Dynamic Position Analysis

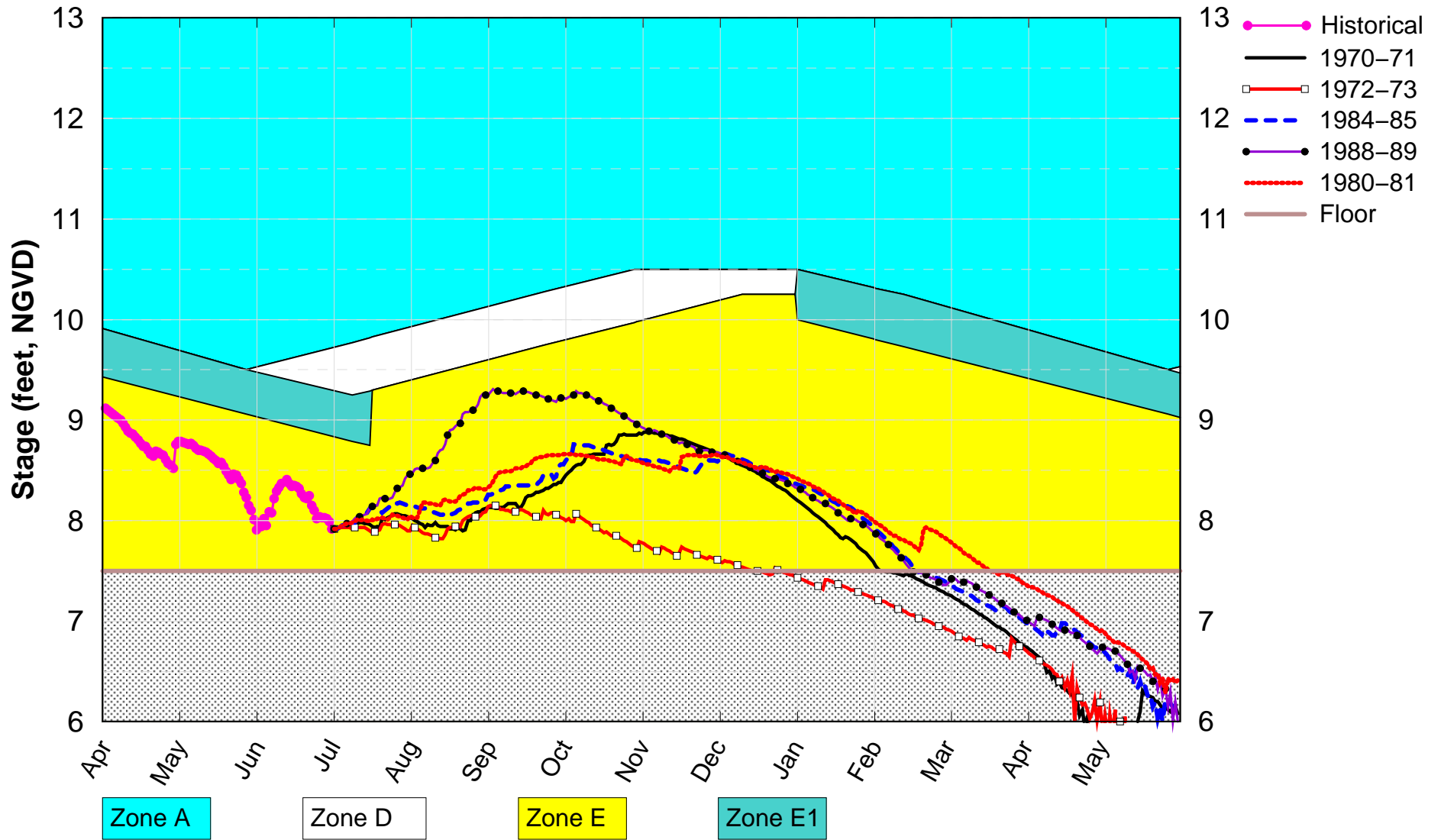
Wet Years Plot PA\_JUL15DPA



(See assumptions on the Position Analysis Results website)

# CA3 Canal SFWMM July 2015 Dynamic Position Analysis

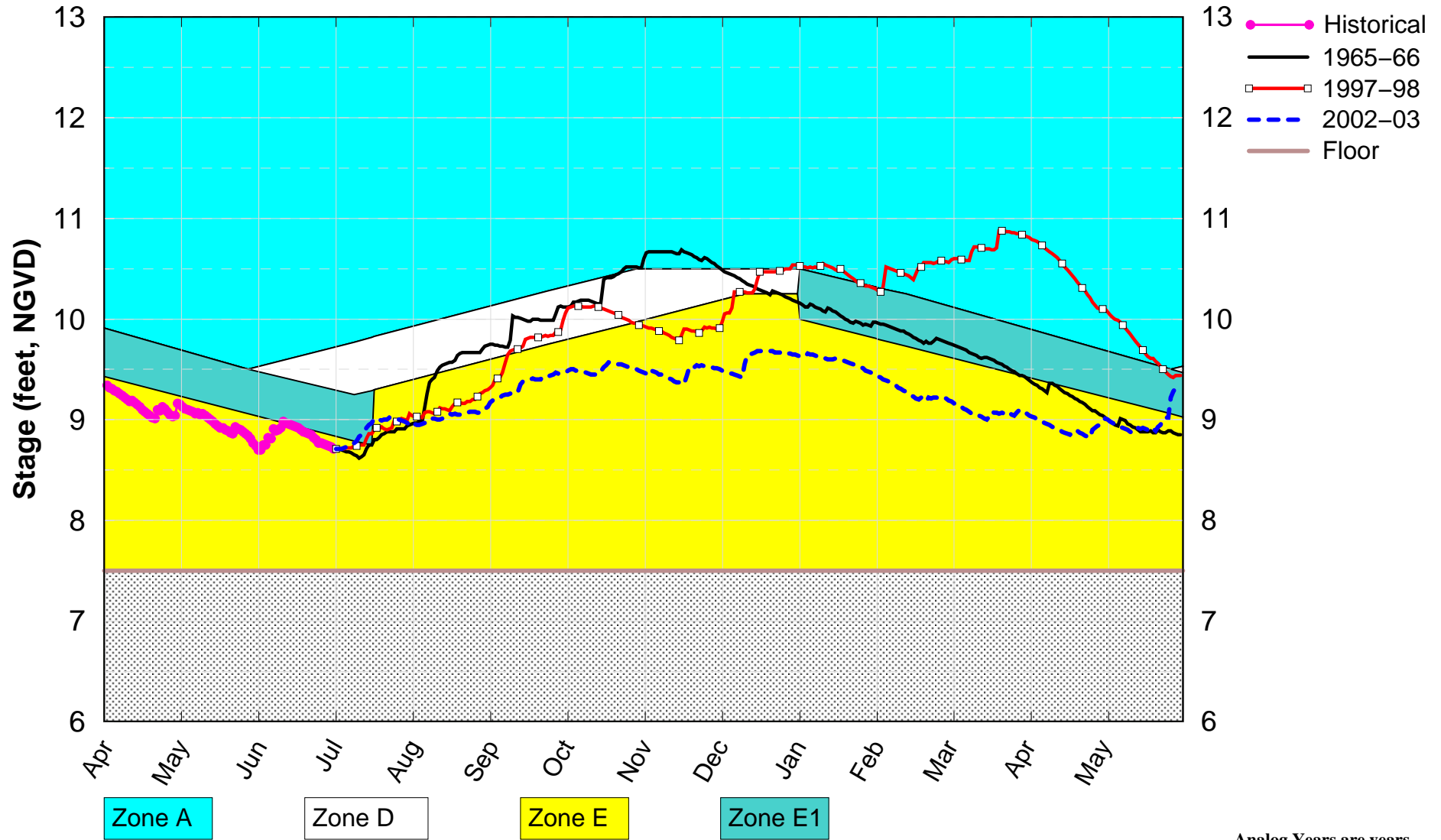
PA\_JUL15DPA Dry Years Plot



(See assumptions on the Position Analysis Results website)

# WCA3A SFWMM July 2015 Dynamic Position Analysis

AMO Warm / El Nino Analog Years Plot PA\_JUL15DPA

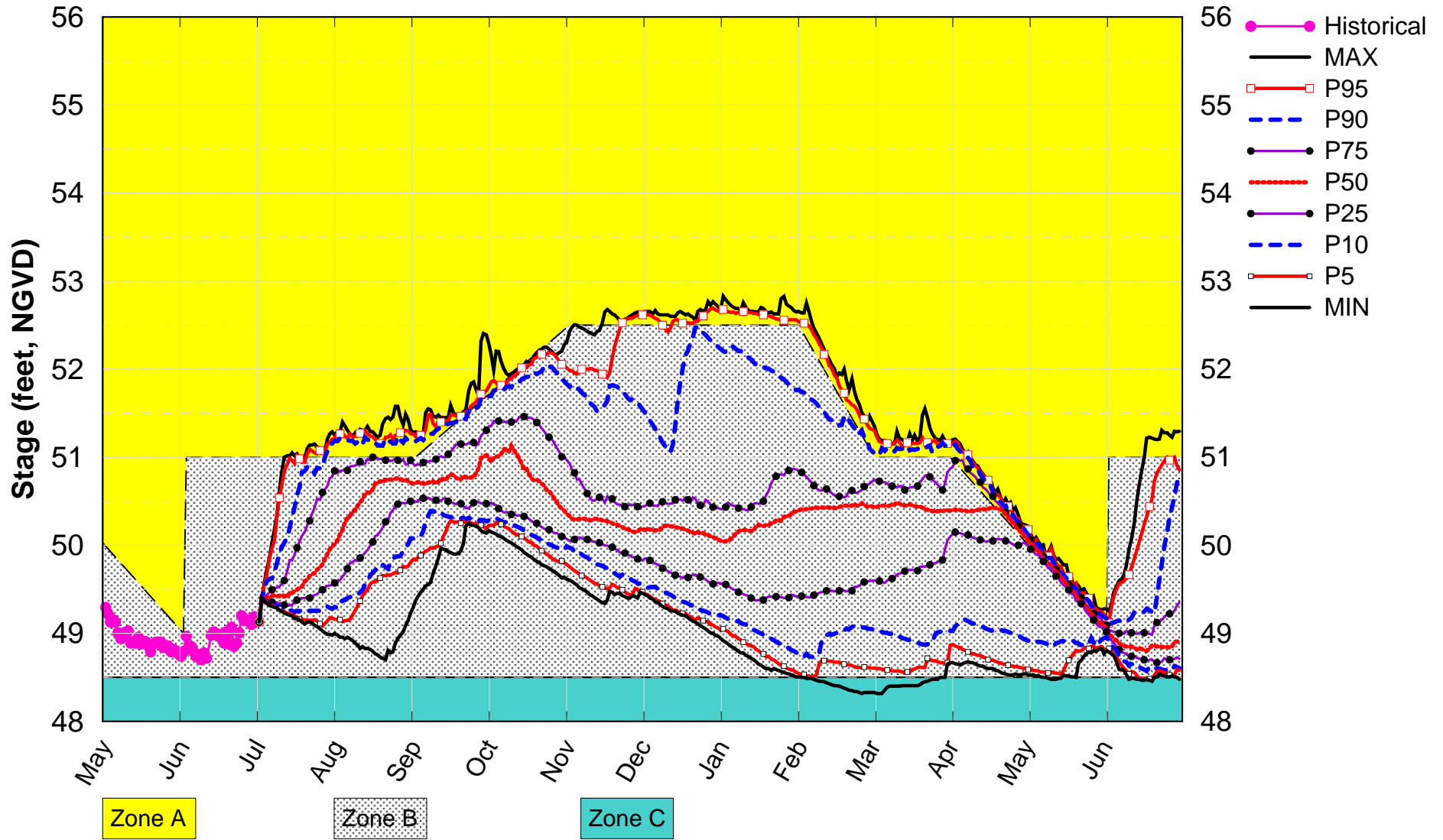


(See assumptions on the Position Analysis Results website)

Analog Years are years with similar climatological conditions to the current year.

# S65 UK-OPS Jul 1 2015 Position Analysis

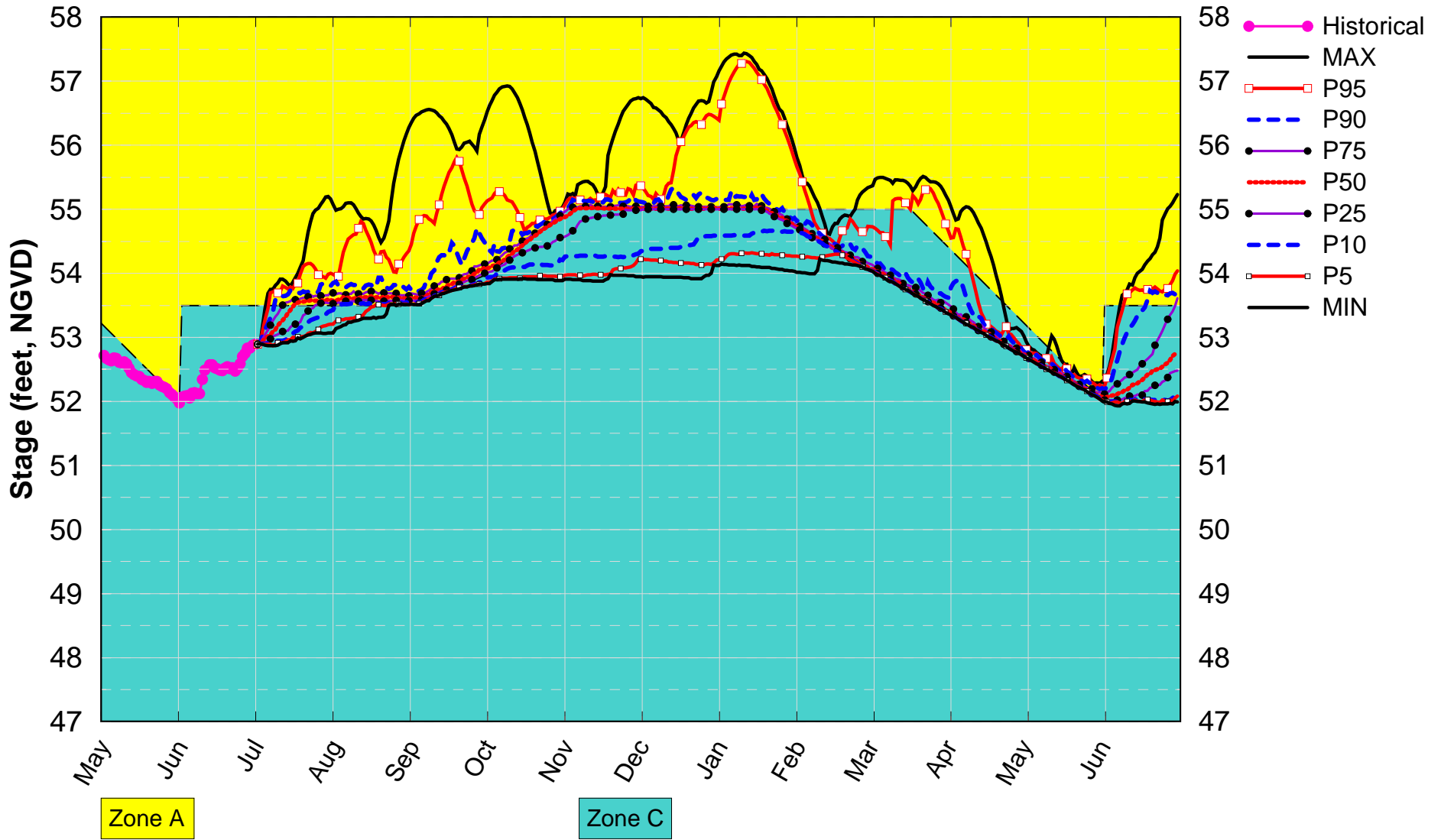
UK-OPS Unconditional PA



(See assumptions on the Position Analysis Results website)

# S61 UK-OPS Jul 1 2015 Position Analysis

UK-OPS Unconditional PA



(See assumptions on the Position Analysis Results website)



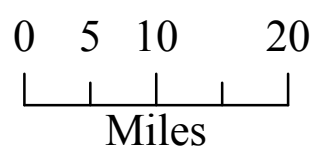
UKISS model was developed by SFWMD staff in 1981 to simulate the operation of the Upper Kissimmee Chain of Lakes, Florida. UKISS model was applied in a PA mode to simulate the S65 flow where all storage areas in the model are reset every year to the current conditions.

[Click To Close](#)

AREA	:Canal Name	:SFWMM Name	:Location	:SFWMD sensor
stage(ft)				
WPB	:C-18	:C18	:G92-H	: 12.65
WPB	:C-17	:C17	:S44-H	: 7.02
WPB	:C-51W	:C51W	:S5AE-T	: 12.02
WPB	:C-51	:C51	:S155-H	: 8.61
WCA	:WCA-1 L-40	:CA1	:1-8C	: 14.63
FTLD	:Hillsboro Canal	:HLSB	:G56-H	: 7.17
WCA	:WCA-2A L-38	:L38	:S11B-H	: 10.29
WCA	:WCA-2A L-39	:CA2A	:S10A-T	: 11.85
FTLD	:C-14	:C14	:S37B-H	: 6.10
FTLD	:C-14E	:C14E	:S37A-H	: 3.76
FTLD	:Pompano	:POMP	:G57-H	: 4.65
FTLD	:C-12	:C12	:S33-H	: 2.43
FTLD	:C-13	:C13	:S36-H	: 3.79
FTLD	:North New River Canal	:NNRC	:G54-H	: 3.51
MIAMI	:L-33	:L33	:S30-H	: 4.37
MIAMI	:C-304	:C304	:S31-H	: 7.17
MIAMI	:C-9	:C9	:S29-H	: 2.09
MIAMI	:C-9 DEN	:C9DEN	:S29-H	: 2.09
MIAMI	:C-8	:C8	:S28-H	: 2.05
MIAMI	:C-7	:C7	:S27-H	: 1.51
MIAMI	:C-6	:C6	:S26-H	: 2.57
MIAMI	:C-2/C-4	:C4	:S25B-H	: 2.53
MIAMI	:L-30	:L30	:S335-H	: 5.51
WCA	:WCA-3A L-29	:CA3	:S333-H	: 7.92
WCA	:S-12A	:S12AD	:S12A-T	: 7.80
WCA	:S-12B	:S12BD	:S12B-T	: 7.63
WCA	:S-12C	:S12CD	:S12C-T	: 7.91
WCA	:S-12D	:S12DD	:S12D-T	: 6.23
MIAMI	:L-29	:L29	:S334-H	: 5.87
MIAMI	:C-100C	:C100C	:S119-H	: 2.11
MIAMI	:C-100	:C100	:S118-H	: 2.37
MIAMI	:C-100A	:C100A	:S123-H	: 2.19
HMST	:C-1/S-148	:S148U	:S148-H	: 3.12
HMST	:L-31N	:L31N	:S331-H	: 4.21
HMST	:C-1N	:C1N	:S149-H	: 2.55
MIAMI	:S-21	:S21	:S21-H	: 2.23
HMST	:L-31S	:L31S	:S176-H	: 3.93
MIAMI	:C-102N	:C102N	:S21A-H	: 2.15
HMST	:C-102	:C102	:S165-H	: 2.95
MIAMI	:C-103S	:C103S	:S167-H	: 2.75
HMST	:C-103N	:C103N	:S166-H	: 2.51
HMST	:C-103	:S179	:S179-H	: 2.31
HMST	:L-31W	:L31W	:S332-H	: 3.05
HMST	:C-111	:C111	:S177-H	: 3.03
HMST	:CNO	:CNO	:S179-H	: 2.31
HMST	:C-111E	:C111E	:S18C-H	: 1.94
HMST	:S-197	:S197	:S197-H	: 1.55
EAA	:L-23E	:L23E	:S8-T	: 10.40
EAA	:C-60	:C60	:S140-T	: 10.29

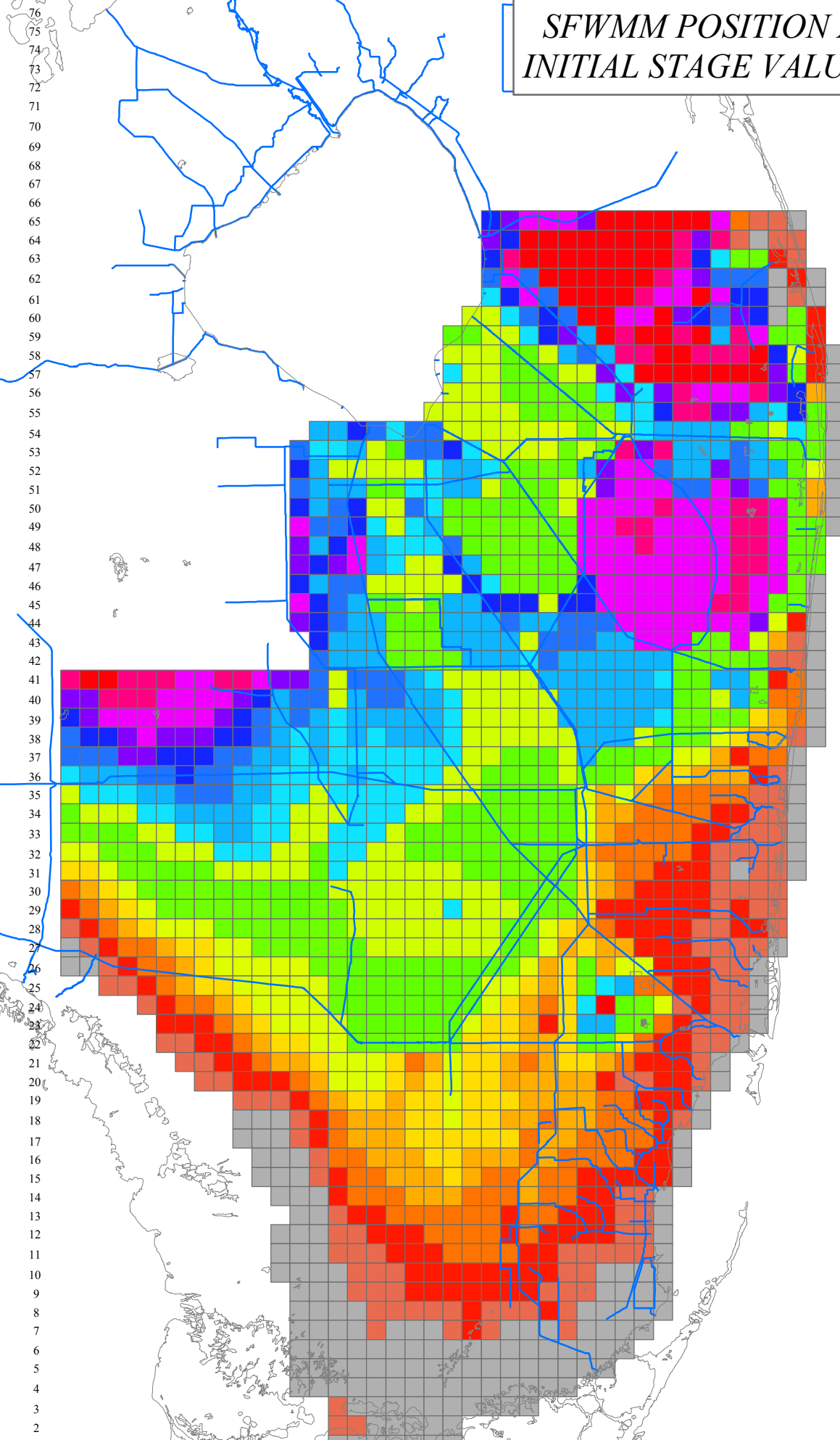
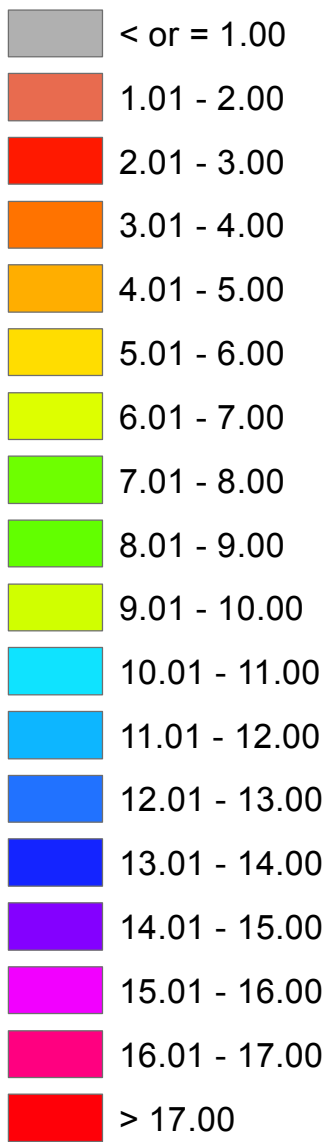
SFWMM Name	col	row	STAGE	Source	Data	match	domain	match areas
1-7	31	48	15.69	USACE		PA	CA1	
1-8T	34	47	14.99	USACE		PA	CA1	
1-9	33	46	15.33	USACE		PA	CA1	
2-17	29	40	11.47	USACE		PA	CA2	
2-159	28	43	12.76	SFWMD-ARDAMS		PA	CA2	
3-99	30	35	6.40	USACE			CA2	
3A-2	18	36	10.65	USACE		PA	CA3	
3A-3	25	37	8.60	USACE		PA	CA3	
3A-28	19	24	8.44	USACE		PA	CA3	
3A-4	21	29	9.08	USACE		PA	CA3	
3A-NW	18	40	11.48	SFWMD-ARDAMS			CA3	
3A-NE	23	40	9.11	SFWMD-ARDAMS			CA3	
3A-SW	16	30	9.41	SFWMD-ARDAMS			CA3	
3A-S	20	33	9.02	SFWMD-ARDAMS			CA3	
3-76	27	30	7.05	USACE				
3-71	24	26	7.10	USACE				
SHARK	24	23	6.34	USACE			CA3	
3BS1W	26	23	4.76	SFWMD-ARDAMS				
HOLY1	19	45	9.49	SFWMD-ARDAMS			WMA	
HOLY2	21	42	9.35	SFWMD-ARDAMS			WMA	
ROTTN	15	46	12.17	SFWMD-OPERATIONS			WMA	
ROTTN	16	43	10.89	SFWMD-OPERATIONS			WMA	
NP205	15	20	6.15	USACE			ENP	
NP201	19	21	5.39	USACE			ENP	
NP36	17	14	3.56	USACE			ENP	
NP38	16	9	1.26	USACE			ENP	
NP46	17	7	1.47	USACE			ENP	
NP67	22	7	1.98	USACE				
NP33	20	17	5.66	USACE			ENP	
NP34	13	17	2.15	USACE			ENP	
NP44	19	11	2.49	USACE			ENP	
NP206	21	15	4.95	USACE			ENP	
NESR2	25	21	5.62	USACE			ENP	
THSO	23	9	2.49	USACE				
RG2	23	15	4.50	USACE			ENP	
G3273	24	17	5.77	USACE		PA	ENP	
ANGEL	25	17	4.80	USACE		PA		
ANGEL	26	17	4.80	USACE		PA		
EVER4	25	8	1.62	USACE		PA	SA3	
E112	23	10	2.90	USACE			ENP	
G620	18	19	5.31	USACE			ENP	

*SFWMM POSITION ANALYSIS RUN  
INITIAL STAGE VALUES JULY 1, 2015*



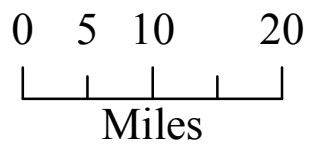
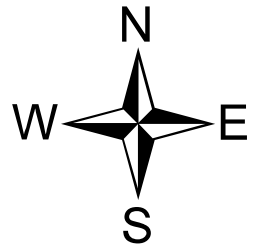
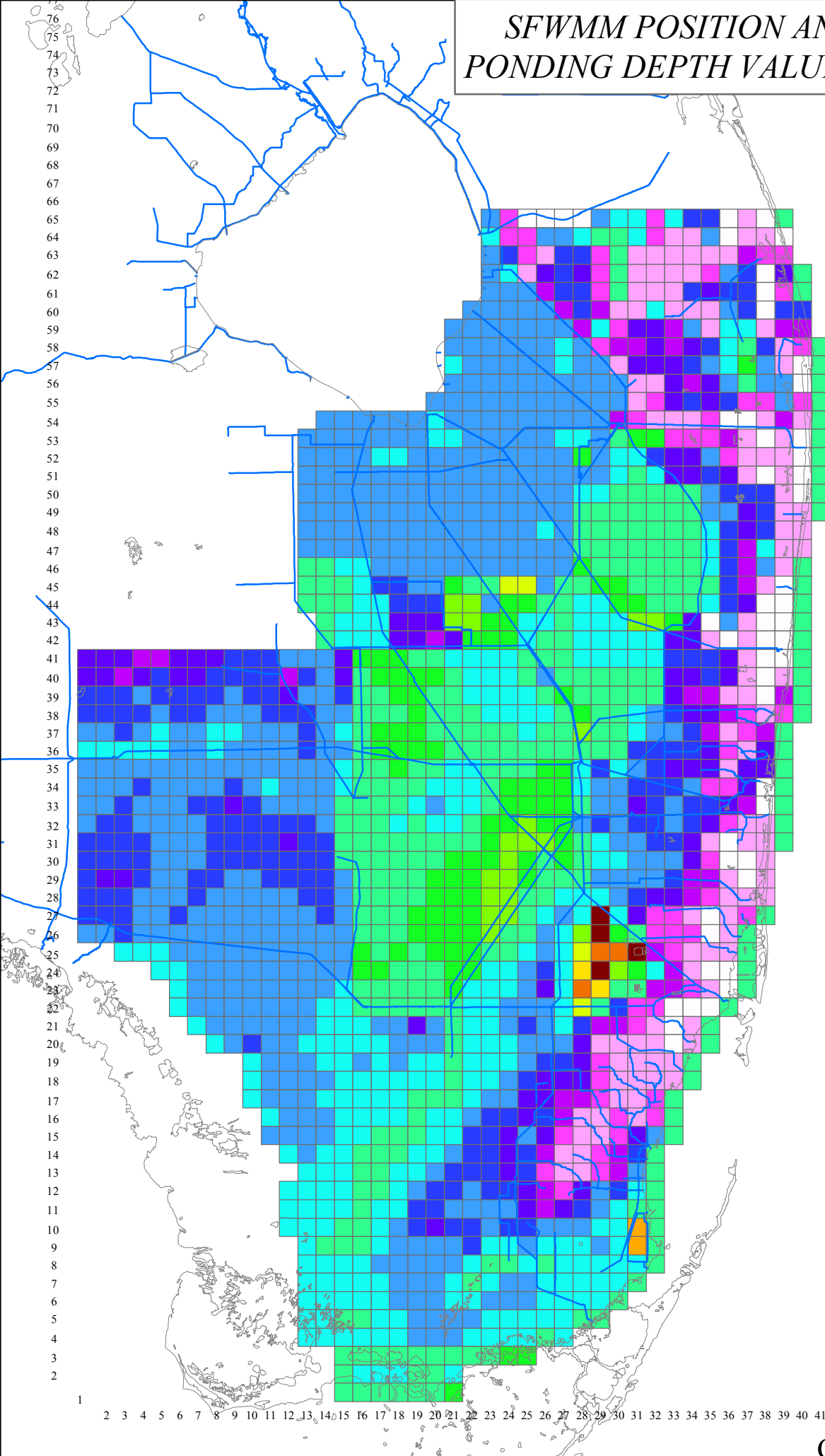
**Stage Class  
(feet NGVD)**

**SFWMM Grid**





# SFWMM POSITION ANALYSIS RUN PONDING DEPTH VALUES JULY 1, 2015



## Ponding Depth Class (Feet)

- < or = -8.00
- 7.99 - -6.00
- 5.99 - -5.00
- 4.99 - -4.00
- 3.99 - -3.00
- 2.99 - -2.00
- 1.99 - -1.00
- 0.99 - 0.00
- 0.01 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00
- 3.01 - 4.00
- 4.01 - 5.00
- 5.01 - 6.00
- 6.01 - 7.00
- 7.01 - 50.00
- > 50.00

Lake Okechobee Band Probabilities (%) at the Beginning of Each Month  
'(See assumptions on the Position Analysis Results website)'  
Initial Stage 12.57 ft. for 06/01/2015

Date	HLM	High	Inter	Low	Base	Bene	WSM
2015 06 01	2.4	0.0	0.0	0.0	0.0	95.1	2.4
2015 07 01	2.4	0.0	0.0	0.0	0.0	95.1	2.4
2015 08 01	2.4	0.0	0.0	6.1	36.6	50.3	4.6
2015 09 01	2.4	0.0	0.0	16.8	48.9	7.2	24.7
2015 10 01	2.4	0.3	1.2	22.6	51.4	0.0	22.1
2015 11 01	2.4	0.0	5.0	21.7	47.1	3.1	20.7
2015 12 01	2.4	0.0	0.1	18.5	55.9	8.0	15.0
2016 01 01	2.4	0.0	1.1	27.8	43.0	9.9	15.8
2016 02 01	2.4	0.0	2.8	34.3	30.1	14.0	16.4
2016 03 01	2.4	0.0	2.4	35.7	24.7	13.1	21.6
2016 04 01	2.4	2.4	4.6	28.3	21.6	16.2	24.4
2016 05 01	2.4	0.0	0.1	28.7	15.9	28.1	24.8

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 - July 2015 DPA Final

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	0	0	1.04	0.00	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	46.47	0.00	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	40.38	0.00	0.00	0.00	0.00	0.00	0.00
1966	1	0	0	0.69	0.00	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	15.58	0.00	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	62.71	0.00	0.00	0.00	0.00	0.00	0.00
1966	4	0	0	58.12	0.00	0.00	0.00	0.00	0.00	0.00
1966	5	0	0	49.56	0.00	0.00	0.01	0.01	0.01	0.01
1966	6	0	0	121.55	0.00	0.00	0.15	0.12	0.15	0.12
1966	7	0	0	1.17	0.00	0.00	0.00	0.00	0.00	0.00
1966	8	0	0	1.03	0.00	0.00	0.00	0.00	0.00	0.00
1966	9	0	0	1.27	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	6.68	0.00	0.00	0.00	0.00	0.00	0.00
1966	11	0	0	83.81	0.00	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	55.16	0.00	0.00	0.00	0.00	0.00	0.00
1967	1	0	0	44.94	0.00	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	26.81	0.00	0.00	0.00	0.01	0.00	0.01
1967	3	0	0	80.18	0.00	0.00	0.00	0.00	0.00	0.00
1967	4	0	0	166.25	0.00	0.00	0.02	0.01	0.02	0.01
1967	5	23	18	212.45	36.03	16.96	0.19	0.09	36.22	17.05
1967	6	0	0	121.64	0.00	0.00	0.15	0.12	0.15	0.12
1967	7	0	0	5.41	0.00	0.00	0.00	0.00	0.00	0.00
1967	8	0	0	6.22	0.00	0.00	0.01	0.19	0.01	0.19
1967	9	0	0	11.88	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
1967	10	0	0	1.12	0.00	0.00	0.00	0.00	0.00	0.00
1967	11	0	0	86.03	0.00	0.00	0.00	0.00	0.00	0.00
1967	12	0	0	30.73	0.00	0.00	0.00	0.00	0.00	0.00
1968	1	0	0	59.40	0.00	0.00	0.00	0.00	0.00	0.00
1968	2	0	0	36.25	0.00	0.00	0.02	0.06	0.02	0.06
1968	3	0	0	75.13	0.00	0.00	0.00	0.00	0.00	0.00
1968	4	27	12	133.59	7.80	5.84	0.00	0.00	7.80	5.84
1968	5	26	0	28.29	0.00	0.00	0.00	0.00	0.00	0.00
1968	6	0	0	122.83	0.00	0.00	0.17	0.14	0.17	0.14
1968	7	0	0	12.04	0.00	0.00	0.00	0.00	0.00	0.00
1968	8	0	0	9.19	0.00	0.00	0.00	0.00	0.00	0.00
1968	9	0	0	8.12	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
1968	10	0	0	0.54	0.00	0.00	0.00	0.00	0.00	0.00
1968	11	0	0	35.18	0.00	0.00	0.00	0.00	0.00	0.00
1968	12	0	0	84.16	0.00	0.00	0.00	0.00	0.00	0.00
1969	1	0	0	25.79	0.00	0.00	0.00	0.00	0.00	0.00
1969	2	0	0	46.51	0.00	0.00	0.00	0.00	0.00	0.00
1969	3	0	0	12.31	0.00	0.00	0.00	0.00	0.00	0.00
1969	4	0	0	64.47	0.00	0.00	0.00	0.00	0.00	0.00
1969	5	0	0	25.00	0.00	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	121.62	0.00	0.00	0.15	0.12	0.15	0.12
1969	7	0	0	22.76	0.00	0.00	0.05	0.20	0.05	0.20
1969	8	0	0	1.52	0.00	0.00	0.02	1.12	0.02	1.12
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	7.56	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	16.81	0.00	0.00	0.00	0.00	0.00	0.00
1970	1	0	0	4.12	0.00	0.00	0.00	0.00	0.00	0.00
1970	2	0	0	12.25	0.00	0.00	0.00	0.00	0.00	0.00
1970	3	0	0	14.06	0.00	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	73.08	0.00	0.00	0.00	0.00	0.00	0.00
1970	5	0	0	161.25	0.00	0.00	0.02	0.02	0.02	0.02
1970	6	0	0	121.56	0.00	0.00	0.15	0.12	0.15	0.12
1970	7	0	0	8.16	0.00	0.00	0.00	0.00	0.00	0.00
1970	8	0	0	6.35	0.00	0.00	0.00	0.00	0.00	0.00
1970	9	16	0	8.97	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
1970	10	8	0	10.16	0.00	0.00	0.00	0.00	0.00	0.00
1970	11	7	6	90.86	5.24	5.76	0.03	0.04	5.27	5.80
1970	12	31	26	90.60	15.99	17.65	0.00	0.00	15.99	17.65
1971	1	31	13	68.95	4.51	6.54	0.00	0.00	4.51	6.55
1971	2	28	9	49.55	7.80	15.73	0.01	0.01	7.80	15.75
1971	3	31	24	119.85	39.30	32.79	0.00	0.00	39.30	32.79
1971	4	30	28	179.63	80.15	44.62	0.00	0.00	80.15	44.62
1971	5	31	15	143.37	41.74	29.11	12.23	8.53	53.97	37.64
1971	6	0	0	121.64	0.00	0.00	0.15	0.12	0.15	0.12
1971	7	0	0	2.39	0.00	0.00	0.00	0.00	0.00	0.00
1971	8	0	0	4.39	0.00	0.00	0.00	0.00	0.00	0.00
1971	9	0	0	12.19	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	0	0	14.43	0.00	0.00	0.00	0.00	0.00	0.00
1971	11	0	0	40.15	0.00	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	48.78	0.00	0.00	0.00	0.00	0.00	0.00
1972	1	0	0	33.18	0.00	0.00	0.00	0.00	0.00	0.00
1972	2	0	0	33.49	0.00	0.00	0.00	0.00	0.00	0.00
1972	3	0	0	87.98	0.00	0.00	0.11	0.13	0.11	0.13
1972	4	0	0	42.83	0.00	0.00	0.00	0.00	0.00	0.00
1972	5	0	0	23.63	0.00	0.00	0.00	0.00	0.00	0.00
1972	6	0	0	122.85	0.00	0.00	0.17	0.14	0.17	0.14
1972	7	0	0	22.81	0.00	0.00	0.00	0.00	0.00	0.00
1972	8	27	8	40.99	11.05	26.95	0.09	0.22	11.14	27.17
1972	9	30	12	32.98	13.07	39.65	0.00	0.00	13.07	39.65

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	20	80.97	19.59	24.20	0.00	0.00	19.59	24.20
1972	11	30	5	28.19	4.49	15.92	0.47	1.65	4.95	17.57
1972	12	31	4	26.67	0.88	3.31	0.01	0.04	0.89	3.35
1973	1	31	4	13.57	1.12	8.26	0.02	0.14	1.14	8.40
1973	2	28	0	9.73	0.00	0.00	0.20	2.07	0.20	2.07
1973	3	31	4	56.83	2.56	4.50	0.13	0.23	2.69	4.73
1973	4	30	7	94.68	5.16	5.45	0.05	0.05	5.21	5.50
1973	5	31	17	148.43	41.24	27.78	13.25	8.93	54.49	36.71
1973	6	0	0	121.66	0.00	0.00	0.15	0.12	0.15	0.12
1973	7	0	0	1.87	0.00	0.00	0.00	0.00	0.00	0.00
1973	8	0	0	0.30	0.00	0.00	0.00	0.00	0.00	0.00
1973	9	0	0	0.70	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
1973	10	0	0	17.98	0.00	0.00	0.00	0.00	0.00	0.00
1973	11	0	0	92.29	0.00	0.00	0.00	0.00	0.00	0.00
1973	12	0	0	26.95	0.00	0.00	0.00	0.00	0.00	0.00
1974	1	0	0	46.12	0.00	0.00	0.07	0.14	0.07	0.14
1974	2	0	0	76.07	0.00	0.00	0.00	0.00	0.00	0.00
1974	3	14	10	125.90	9.28	7.37	0.00	0.00	9.28	7.37
1974	4	30	6	113.25	10.46	9.23	0.00	0.00	10.46	9.23
1974	5	31	12	127.14	34.80	27.37	4.21	3.31	39.01	30.68
1974	6	0	0	121.57	0.00	0.00	0.15	0.12	0.15	0.12
1974	7	0	0	1.59	0.00	0.00	0.27	17.08	0.27	17.08
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	25.58	0.00	0.00	0.00	0.00	0.00	0.00
1974	11	0	0	63.97	0.00	0.00	0.00	0.00	0.00	0.00
1974	12	0	0	18.39	0.00	0.00	0.00	0.00	0.00	0.00
1975	1	0	0	76.46	0.00	0.00	0.00	0.00	0.00	0.00
1975	2	0	0	68.34	0.00	0.00	0.08	0.11	0.08	0.11
1975	3	0	0	97.90	0.00	0.00	0.00	0.00	0.00	0.00
1975	4	0	0	113.51	0.00	0.00	0.00	0.00	0.00	0.00
1975	5	0	0	43.27	0.00	0.00	0.24	0.56	0.24	0.56
1975	6	0	0	121.60	0.00	0.00	0.15	0.12	0.15	0.12
1975	7	0	0	3.18	0.00	0.00	0.00	0.00	0.00	0.00
1975	8	0	0	8.77	0.00	0.00	0.05	0.57	0.05	0.57
1975	9	0	0	0.65	0.00	0.00	0.06	9.53	0.06	9.53

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	0	0	3.44	0.00	0.00	0.00	0.00	0.00	0.00
1975	11	0	0	53.99	0.00	0.00	0.00	0.00	0.00	0.00
1975	12	0	0	77.67	0.00	0.00	0.00	0.00	0.00	0.00
1976	1	0	0	60.21	0.00	0.00	0.00	0.00	0.00	0.00
1976	2	10	1	63.32	0.11	0.17	0.01	0.02	0.12	0.19
1976	3	17	6	72.09	5.15	7.14	0.00	0.00	5.15	7.14
1976	4	30	9	113.50	5.29	4.66	0.00	0.00	5.29	4.66
1976	5	23	0	10.55	0.00	0.00	0.00	0.00	0.00	0.00
1976	6	0	0	122.83	0.00	0.00	0.17	0.14	0.17	0.14
1976	7	0	0	18.38	0.00	0.00	0.00	0.00	0.00	0.00
1976	8	0	0	2.62	0.00	0.00	0.01	0.24	0.01	0.24
1976	9	0	0	2.28	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
1976	10	0	0	65.96	0.00	0.00	0.00	0.00	0.00	0.00
1976	11	0	0	47.80	0.00	0.00	0.00	0.00	0.00	0.00
1976	12	0	0	22.86	0.00	0.00	0.09	0.37	0.09	0.37
1977	1	0	0	1.74	0.00	0.00	0.01	0.65	0.01	0.65
1977	2	0	0	52.97	0.00	0.00	0.00	0.00	0.00	0.00
1977	3	0	0	105.77	0.00	0.00	0.00	0.00	0.00	0.00
1977	4	23	6	135.14	5.13	3.80	0.01	0.01	5.14	3.80
1977	5	31	2	45.18	2.23	4.94	0.05	0.12	2.28	5.06
1977	6	0	0	121.55	0.00	0.00	0.15	0.12	0.15	0.12
1977	7	0	0	18.03	0.00	0.00	0.00	0.00	0.00	0.00
1977	8	19	0	7.39	0.00	0.00	0.00	0.00	0.00	0.00
1977	9	4	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	17	7	68.62	12.72	18.53	0.00	0.00	12.72	18.53
1977	11	3	0	21.99	0.00	0.00	0.14	0.64	0.14	0.64
1977	12	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1978	1	0	0	6.82	0.00	0.00	0.00	0.00	0.00	0.00
1978	2	0	0	25.55	0.00	0.00	0.00	0.00	0.00	0.00
1978	3	0	0	48.43	0.00	0.00	0.00	0.00	0.00	0.00
1978	4	0	0	108.84	0.00	0.00	0.00	0.00	0.00	0.00
1978	5	0	0	18.93	0.00	0.00	0.08	0.41	0.08	0.41
1978	6	0	0	121.63	0.00	0.00	0.15	0.12	0.15	0.12
1978	7	0	0	2.93	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	8.75	0.00	0.00	0.00	0.00	0.00	0.00
1978	11	0	0	24.52	0.00	0.00	0.00	0.00	0.00	0.00
1978	12	0	0	17.74	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	39.76	0.00	0.00	0.00	0.00	0.00	0.00
1979	3	0	0	73.32	0.00	0.00	0.00	0.00	0.00	0.00
1979	4	0	0	115.17	0.00	0.00	0.00	0.00	0.00	0.00
1979	5	0	0	0.28	0.00	0.00	0.00	0.00	0.00	0.00
1979	6	0	0	121.57	0.00	0.00	0.15	0.12	0.15	0.12
1979	7	3	3	22.36	3.80	16.99	0.00	0.00	3.80	16.99
1979	8	31	1	7.84	0.69	8.84	0.04	0.54	0.74	9.38
1979	9	6	0	0.33	0.00	0.00	0.02	6.82	0.02	6.82

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	12.91	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	19.79	0.00	0.00	0.00	0.00	0.00	0.00
1980	1	0	0	38.14	0.00	0.00	0.00	0.00	0.00	0.00
1980	2	0	0	11.32	0.00	0.00	0.00	0.00	0.00	0.00
1980	3	0	0	64.49	0.00	0.00	0.00	0.00	0.00	0.00
1980	4	0	0	13.02	0.00	0.00	0.00	0.00	0.00	0.00
1980	5	0	0	98.05	0.00	0.00	0.00	0.00	0.00	0.00
1980	6	0	0	122.89	0.00	0.00	0.17	0.14	0.17	0.14
1980	7	0	0	14.94	0.00	0.00	0.00	0.00	0.00	0.00
1980	8	2	0	7.09	0.00	0.00	0.00	0.00	0.00	0.00
1980	9	16	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	14	76.06	10.97	14.43	0.00	0.00	10.97	14.43
1980	11	30	4	28.61	0.51	1.79	1.14	3.97	1.65	5.76
1980	12	31	7	37.64	3.50	9.31	0.12	0.32	3.62	9.63
1981	1	31	19	67.47	6.96	10.32	0.00	0.00	6.96	10.32
1981	2	28	3	28.59	1.59	5.58	0.17	0.59	1.76	6.17
1981	3	31	10	82.15	13.60	16.56	0.00	0.00	13.60	16.56
1981	4	30	28	160.33	61.23	38.19	0.00	0.00	61.23	38.19
1981	5	31	22	199.24	83.92	42.12	5.70	2.86	89.62	44.98
1981	6	0	0	121.60	0.00	0.00	0.15	0.12	0.15	0.12
1981	7	0	0	59.71	0.00	0.00	0.00	0.00	0.00	0.00
1981	8	6	0	1.93	0.00	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	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	17	11	99.25	7.83	7.89	0.00	0.00	7.83	7.89
1981	11	27	11	50.31	9.93	19.75	0.81	1.60	10.74	21.35
1981	12	31	25	89.17	15.24	17.09	0.08	0.09	15.32	17.18
1982	1	31	14	67.15	4.90	7.30	0.09	0.14	4.99	7.44
1982	2	28	1	21.19	0.12	0.54	0.01	0.05	0.13	0.59
1982	3	7	3	29.98	2.67	8.91	0.00	0.00	2.67	8.91
1982	4	0	0	11.46	0.00	0.00	0.00	0.03	0.00	0.03
1982	5	0	0	108.18	0.00	0.00	0.06	0.06	0.06	0.06
1982	6	0	0	121.46	0.00	0.00	0.15	0.12	0.15	0.12
1982	7	0	0	9.95	0.00	0.00	0.01	0.13	0.01	0.13
1982	8	0	0	2.51	0.00	0.00	0.00	0.00	0.00	0.00
1982	9	0	0	5.24	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
1982	10	0	0	13.37	0.00	0.00	0.00	0.00	0.00	0.00
1982	11	0	0	44.82	0.00	0.00	0.00	0.00	0.00	0.00
1982	12	0	0	46.97	0.00	0.00	0.00	0.00	0.00	0.00
1983	1	0	0	21.98	0.00	0.00	0.00	0.00	0.00	0.00
1983	2	0	0	0.28	0.00	0.00	0.00	0.00	0.00	0.00
1983	3	0	0	0.07	0.00	0.00	0.00	0.00	0.00	0.00
1983	4	0	0	28.80	0.00	0.00	0.00	0.00	0.00	0.00
1983	5	0	0	207.13	0.00	0.00	0.02	0.01	0.02	0.01
1983	6	0	0	121.57	0.00	0.00	0.15	0.12	0.15	0.12
1983	7	0	0	39.41	0.00	0.00	0.00	0.00	0.00	0.00
1983	8	0	0	5.67	0.00	0.00	0.00	0.03	0.00	0.03
1983	9	11	1	6.90	2.36	34.23	0.12	1.72	2.48	35.95

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	1	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	29.39	0.00	0.00	0.00	0.00	0.00	0.00
1984	2	0	0	32.11	0.00	0.00	0.00	0.00	0.00	0.00
1984	3	0	0	15.27	0.00	0.00	0.00	0.00	0.00	0.00
1984	4	0	0	48.43	0.00	0.00	0.00	0.00	0.00	0.00
1984	5	0	0	119.33	0.00	0.00	0.07	0.06	0.07	0.06
1984	6	0	0	122.81	0.00	0.00	0.17	0.14	0.17	0.14
1984	7	0	0	1.91	0.00	0.00	0.14	7.35	0.14	7.35
1984	8	0	0	18.70	0.00	0.00	0.06	0.32	0.06	0.32
1984	9	0	0	14.46	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	52.28	0.00	0.00	0.00	0.00	0.00	0.00
1984	11	4	3	60.69	1.71	2.82	0.22	0.36	1.93	3.18
1984	12	0	0	47.94	0.00	0.00	0.00	0.00	0.00	0.00
1985	1	0	0	57.95	0.00	0.00	0.05	0.09	0.05	0.09
1985	2	18	14	88.60	8.08	9.12	0.00	0.00	8.08	9.12
1985	3	31	16	85.27	18.03	21.14	0.03	0.03	18.06	21.17
1985	4	30	0	29.23	0.00	0.00	0.00	0.00	0.00	0.00
1985	5	31	13	124.93	26.59	21.29	5.86	4.69	32.45	25.97
1985	6	0	0	121.69	0.00	0.00	0.15	0.12	0.15	0.12
1985	7	0	0	5.15	0.00	0.00	0.00	0.00	0.00	0.00
1985	8	2	0	1.97	0.00	0.00	0.00	0.00	0.00	0.00
1985	9	3	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	0	0	7.98	0.00	0.00	0.00	0.00	0.00	0.00
1985	11	0	0	34.17	0.00	0.00	0.00	0.00	0.00	0.00
1985	12	0	0	19.09	0.00	0.00	0.00	0.00	0.00	0.00
1986	1	0	0	12.20	0.00	0.00	0.00	0.00	0.00	0.00
1986	2	0	0	47.08	0.00	0.00	0.00	0.00	0.00	0.00
1986	3	0	0	18.29	0.00	0.00	0.07	0.38	0.07	0.38
1986	4	0	0	137.74	0.00	0.00	0.00	0.00	0.00	0.00
1986	5	0	0	130.11	0.00	0.00	0.17	0.13	0.17	0.13
1986	6	0	0	121.62	0.00	0.00	0.15	0.12	0.15	0.12
1986	7	0	0	3.56	0.00	0.00	0.00	0.14	0.00	0.14
1986	8	0	0	0.03	0.00	0.00	0.00	0.00	0.00	0.00
1986	9	0	0	6.22	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	30.79	0.00	0.00	0.00	0.00	0.00	0.00
1986	11	0	0	22.49	0.00	0.00	0.09	0.40	0.09	0.40
1986	12	0	0	41.31	0.00	0.00	0.68	1.64	0.68	1.64
1987	1	0	0	12.89	0.00	0.00	0.02	0.13	0.02	0.13
1987	2	0	0	21.86	0.00	0.00	0.06	0.25	0.06	0.25
1987	3	0	0	19.63	0.00	0.00	0.03	0.15	0.03	0.15
1987	4	0	0	107.76	0.00	0.00	0.02	0.02	0.02	0.02
1987	5	0	0	110.35	0.00	0.00	0.24	0.22	0.24	0.22
1987	6	0	0	121.62	0.00	0.00	0.15	0.12	0.15	0.12
1987	7	0	0	16.21	0.00	0.00	0.00	0.00	0.00	0.00
1987	8	16	16	55.50	30.26	54.53	0.00	0.00	30.27	54.53
1987	9	30	7	13.72	4.93	35.97	0.00	0.00	4.93	35.97

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	17.69	0.00	0.00	0.00	0.00	0.00	0.00
1987	11	2	0	2.51	0.00	0.00	0.24	9.40	0.24	9.40
1987	12	0	0	34.26	0.00	0.00	0.00	0.00	0.00	0.00
1988	1	0	0	9.71	0.00	0.00	0.00	0.00	0.00	0.00
1988	2	0	0	11.61	0.00	0.00	0.00	0.02	0.00	0.02
1988	3	0	0	24.92	0.00	0.00	0.00	0.00	0.00	0.00
1988	4	0	0	135.90	0.00	0.00	0.00	0.00	0.00	0.00
1988	5	0	0	109.39	0.00	0.00	0.00	0.00	0.00	0.00
1988	6	0	0	122.84	0.00	0.00	0.17	0.14	0.17	0.14
1988	7	0	0	6.96	0.00	0.00	0.00	0.00	0.00	0.00
1988	8	0	0	0.02	0.00	0.00	0.00	0.00	0.00	0.00
1988	9	0	0	46.29	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
1988	10	7	6	120.27	10.06	8.37	0.04	0.03	10.10	8.40
1988	11	3	0	30.86	0.00	0.00	0.39	1.27	0.39	1.27
1988	12	0	0	47.22	0.00	0.00	0.05	0.10	0.05	0.10
1989	1	0	0	52.87	0.00	0.00	0.05	0.10	0.05	0.10
1989	2	15	9	85.72	6.18	7.21	0.00	0.00	6.18	7.21
1989	3	31	4	52.82	0.70	1.33	0.00	0.00	0.70	1.33
1989	4	30	1	44.47	0.09	0.20	0.00	0.00	0.09	0.20
1989	5	16	7	128.98	23.48	18.20	0.32	0.25	23.80	18.45
1989	6	0	0	121.69	0.00	0.00	0.15	0.12	0.15	0.12
1989	7	0	0	31.60	0.00	0.00	0.00	0.00	0.00	0.00
1989	8	7	0	4.98	0.00	0.00	0.00	0.00	0.00	0.00
1989	9	30	0	0.83	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	11	0	14.11	0.00	0.00	0.00	0.00	0.00	0.00
1989	11	0	0	88.03	0.00	0.00	0.11	0.13	0.11	0.13
1989	12	0	0	22.79	0.00	0.00	0.00	0.00	0.00	0.00
1990	1	0	0	58.22	0.00	0.00	0.18	0.30	0.18	0.30
1990	2	0	0	12.23	0.00	0.00	0.05	0.43	0.05	0.43
1990	3	0	0	68.51	0.00	0.00	0.00	0.00	0.00	0.00
1990	4	0	0	91.13	0.00	0.00	0.00	0.00	0.00	0.00
1990	5	0	0	47.33	0.00	0.00	0.44	0.93	0.44	0.93
1990	6	0	0	121.56	0.00	0.00	0.15	0.12	0.15	0.12
1990	7	0	0	5.07	0.00	0.00	0.02	0.43	0.02	0.43
1990	8	0	0	2.49	0.00	0.00	0.00	0.00	0.00	0.00
1990	9	0	0	19.36	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
1990	10	0	0	14.35	0.00	0.00	0.00	0.00	0.00	0.00
1990	11	0	0	76.73	0.00	0.00	0.00	0.00	0.00	0.00
1990	12	0	0	78.56	0.00	0.00	0.00	0.00	0.00	0.00
1991	1	0	0	4.87	0.00	0.00	0.01	0.25	0.01	0.25
1991	2	0	0	26.68	0.00	0.00	0.00	0.00	0.00	0.00
1991	3	0	0	54.95	0.00	0.00	0.00	0.00	0.00	0.00
1991	4	0	0	3.86	0.00	0.00	0.00	0.00	0.00	0.00
1991	5	0	0	49.95	0.00	0.00	0.00	0.00	0.00	0.00
1991	6	0	0	121.59	0.00	0.00	0.15	0.12	0.15	0.12
1991	7	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	8	0	0	8.47	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	0	0	5.01	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	12.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	0	0	43.30	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	0	0	35.81	0.00	0.00	0.00	0.00	0.00	0.00
1992	1	0	0	20.45	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	0	0	22.55	0.00	0.00	0.00	0.00	0.00	0.00
1992	3	0	0	31.36	0.00	0.00	0.00	0.00	0.00	0.00
1992	4	0	0	6.90	0.00	0.00	0.00	0.00	0.00	0.00
1992	5	0	0	203.23	0.00	0.00	0.51	0.25	0.51	0.25
1992	6	0	0	122.96	0.00	0.00	0.17	0.14	0.17	0.14
1992	7	0	0	39.68	0.00	0.00	0.04	0.11	0.04	0.11
1992	8	0	0	6.44	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	51.03	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0	0	19.92	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	0	0	39.02	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	7.65	0.00	0.00	0.00	0.00	0.00	0.00
1993	3	0	0	19.74	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0	0	55.92	0.00	0.00	0.00	0.00	0.00	0.00
1993	5	0	0	181.51	0.00	0.00	0.01	0.00	0.01	0.00
1993	6	0	0	121.55	0.00	0.00	0.15	0.12	0.15	0.12
1993	7	0	0	50.38	0.00	0.00	0.00	0.00	0.00	0.00
1993	8	29	15	49.24	19.86	40.33	0.00	0.00	19.86	40.34
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	23	0	3.09	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	0	0	35.32	0.00	0.00	0.00	0.00	0.00	0.00
1993	12	0	0	46.95	0.00	0.00	0.00	0.00	0.00	0.00
1994	1	0	0	7.21	0.00	0.00	0.00	0.00	0.00	0.00
1994	2	0	0	8.93	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0	0	43.92	0.00	0.00	0.00	0.00	0.00	0.00
1994	4	0	0	49.35	0.00	0.00	0.12	0.25	0.12	0.25
1994	5	0	0	97.82	0.00	0.00	0.00	0.00	0.00	0.00
1994	6	0	0	121.57	0.00	0.00	0.15	0.12	0.15	0.12
1994	7	0	0	17.06	0.00	0.00	0.04	0.25	0.04	0.25
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	7.63	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	30.35	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0	0	73.11	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0	0	92.11	0.00	0.00	0.00	0.00	0.00	0.00
1995	6	0	0	121.62	0.00	0.00	0.15	0.12	0.15	0.12
1995	7	0	0	15.44	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	0	0	2.23	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	0	0	10.32	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	45.26	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	0	0	32.34	0.00	0.00	0.00	0.00	0.00	0.00
1996	1	0	0	12.82	0.00	0.00	0.00	0.00	0.00	0.00
1996	2	0	0	73.82	0.00	0.00	0.00	0.00	0.00	0.00
1996	3	0	0	33.86	0.00	0.00	0.00	0.00	0.00	0.00
1996	4	0	0	60.12	0.00	0.00	0.00	0.00	0.00	0.00
1996	5	0	0	34.69	0.00	0.00	0.00	0.00	0.00	0.00
1996	6	0	0	122.85	0.00	0.00	0.17	0.14	0.17	0.14
1996	7	0	0	59.29	0.00	0.00	0.00	0.00	0.00	0.00
1996	8	4	0	12.61	0.00	0.00	0.01	0.08	0.01	0.08
1996	9	30	11	29.44	6.92	23.50	0.01	0.02	6.93	23.52

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	31	0	16.73	0.00	0.00	0.00	0.00	0.00	0.00
1996	11	30	13	69.08	5.10	7.38	0.77	1.11	5.87	8.49
1996	12	31	15	74.33	7.67	10.32	0.01	0.01	7.68	10.33
1997	1	31	5	42.61	0.87	2.04	0.07	0.17	0.94	2.21
1997	2	28	5	43.70	2.38	5.44	0.06	0.13	2.43	5.57
1997	3	31	11	56.32	8.37	14.86	0.01	0.01	8.37	14.87
1997	4	28	0	29.78	0.00	0.00	0.00	0.00	0.00	0.00
1997	5	0	0	18.51	0.00	0.00	0.00	0.00	0.00	0.00
1997	6	0	0	121.57	0.00	0.00	0.15	0.12	0.15	0.12
1997	7	0	0	10.36	0.00	0.00	0.00	0.00	0.00	0.00
1997	8	0	0	1.96	0.00	0.00	0.00	0.00	0.00	0.00
1997	9	0	0	6.69	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	51.04	0.00	0.00	0.00	0.00	0.00	0.00
1997	11	0	0	16.32	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	2.18	0.00	0.00	0.00	0.00	0.00	0.00
1998	2	0	0	2.01	0.00	0.00	0.00	0.00	0.00	0.00
1998	3	0	0	4.63	0.00	0.00	0.00	0.00	0.00	0.00
1998	4	0	0	92.55	0.00	0.00	0.00	0.00	0.00	0.00
1998	5	0	0	132.55	0.00	0.00	0.15	0.12	0.15	0.12
1998	6	0	0	121.56	0.00	0.00	0.15	0.12	0.15	0.12
1998	7	0	0	19.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	8	0	0	8.38	0.00	0.00	0.38	4.57	0.38	4.57
1998	9	0	0	1.74	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
1998	10	0	0	24.04	0.00	0.00	0.00	0.00	0.00	0.00
1998	11	0	0	18.33	0.00	0.00	0.00	0.00	0.00	0.00
1998	12	0	0	30.96	0.00	0.00	0.00	0.00	0.00	0.00
1999	1	0	0	10.21	0.00	0.00	0.00	0.00	0.00	0.00
1999	2	0	0	45.10	0.00	0.00	0.00	0.00	0.00	0.00
1999	3	0	0	123.15	0.00	0.00	0.00	0.00	0.00	0.00
1999	4	0	0	128.59	0.00	0.00	0.00	0.00	0.00	0.00
1999	5	0	0	88.62	0.00	0.00	0.74	0.83	0.74	0.83
1999	6	0	0	121.57	0.00	0.00	0.15	0.12	0.15	0.12
1999	7	0	0	10.79	0.00	0.00	0.38	3.52	0.38	3.52
1999	8	0	0	13.65	0.00	0.00	0.00	0.00	0.00	0.00
1999	9	0	0	2.13	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
1999	10	0	0	0.42	0.00	0.00	0.00	0.00	0.00	0.00
1999	11	0	0	37.58	0.00	0.00	0.00	0.00	0.00	0.00
1999	12	0	0	47.40	0.00	0.00	0.00	0.00	0.00	0.00
2000	1	0	0	60.22	0.00	0.00	0.00	0.00	0.00	0.00
2000	2	0	0	65.09	0.00	0.00	0.00	0.00	0.00	0.00
2000	3	0	0	72.60	0.00	0.00	0.00	0.00	0.00	0.00
2000	4	0	0	73.12	0.00	0.00	0.04	0.05	0.04	0.05
2000	5	0	0	183.80	0.00	0.00	0.13	0.07	0.13	0.07
2000	6	0	0	122.86	0.00	0.00	0.17	0.14	0.17	0.14
2000	7	0	0	1.66	0.00	0.00	0.00	0.00	0.00	0.00
2000	8	10	4	42.24	4.83	11.44	0.00	0.00	4.83	11.44
2000	9	30	0	2.48	0.00	0.00	0.01	0.36	0.01	0.36



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	6	42.91	3.19	7.44	0.00	0.00	3.19	7.44
2000	11	30	25	107.41	23.78	22.14	0.65	0.61	24.43	22.75
2000	12	31	14	78.89	12.68	16.07	0.21	0.27	12.89	16.34
2001	1	31	15	67.05	7.12	10.62	0.10	0.15	7.23	10.78
2001	2	28	24	96.04	19.16	19.95	0.00	0.00	19.16	19.95
2001	3	31	13	68.05	15.03	22.08	0.03	0.05	15.06	22.13
2001	4	30	21	124.65	46.01	36.91	0.00	0.00	46.01	36.91
2001	5	31	17	166.11	68.27	41.10	7.20	4.33	75.47	45.43
2001	6	0	0	121.62	0.00	0.00	0.15	0.12	0.15	0.12
2001	7	0	0	9.84	0.00	0.00	0.00	0.00	0.00	0.00
2001	8	0	0	23.34	0.00	0.00	0.00	0.00	0.00	0.00
2001	9	0	0	5.50	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
2001	10	0	0	10.05	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	43.05	0.00	0.00	0.01	0.02	0.01	0.02
2002	1	0	0	29.16	0.00	0.00	0.00	0.00	0.00	0.00
2002	2	0	0	30.53	0.00	0.00	0.00	0.00	0.00	0.00
2002	3	0	0	79.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	4	0	0	107.13	0.00	0.00	0.05	0.04	0.05	0.04
2002	5	0	0	152.92	0.00	0.00	0.03	0.02	0.03	0.02
2002	6	0	0	121.62	0.00	0.00	0.15	0.12	0.15	0.12
2002	7	0	0	12.87	0.00	0.00	0.00	0.00	0.00	0.00
2002	8	0	0	13.58	0.00	0.00	0.00	0.00	0.00	0.00
2002	9	0	0	10.71	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	11.87	0.00	0.00	0.00	0.00	0.00	0.00
2002	11	0	0	30.90	0.00	0.00	0.00	0.00	0.00	0.00
2002	12	0	0	8.07	0.00	0.00	0.00	0.00	0.00	0.00
2003	1	0	0	46.24	0.00	0.00	0.00	0.00	0.00	0.00
2003	2	0	0	56.75	0.00	0.00	0.00	0.00	0.00	0.00
2003	3	0	0	34.97	0.00	0.00	0.00	0.00	0.00	0.00
2003	4	0	0	68.54	0.00	0.00	0.00	0.00	0.00	0.00
2003	5	0	0	55.53	0.00	0.00	0.00	0.00	0.00	0.00
2003	6	0	0	121.59	0.00	0.00	0.15	0.12	0.15	0.12
2003	7	0	0	12.66	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	1.33	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
2003	10	0	0	41.51	0.00	0.00	0.00	0.00	0.00	0.00
2003	11	0	0	33.89	0.00	0.00	0.00	0.00	0.00	0.00
2003	12	0	0	29.01	0.00	0.00	0.00	0.00	0.00	0.00
2004	1	0	0	45.24	0.00	0.00	0.00	0.00	0.00	0.00
2004	2	0	0	17.62	0.00	0.00	0.00	0.00	0.00	0.00
2004	3	0	0	100.17	0.00	0.00	0.00	0.00	0.00	0.00
2004	4	0	0	98.34	0.00	0.00	0.00	0.00	0.00	0.00
2004	5	0	0	195.42	0.00	0.00	0.14	0.07	0.14	0.07
2004	6	0	0	122.95	0.00	0.00	0.17	0.14	0.17	0.14
2004	7	0	0	33.26	0.00	0.00	0.03	0.10	0.03	0.10
2004	8	0	0	0.29	0.00	0.00	0.21	69.67	0.21	69.67
2004	9	0	0	0.23	0.00	0.00	0.02	8.53	0.02	8.53



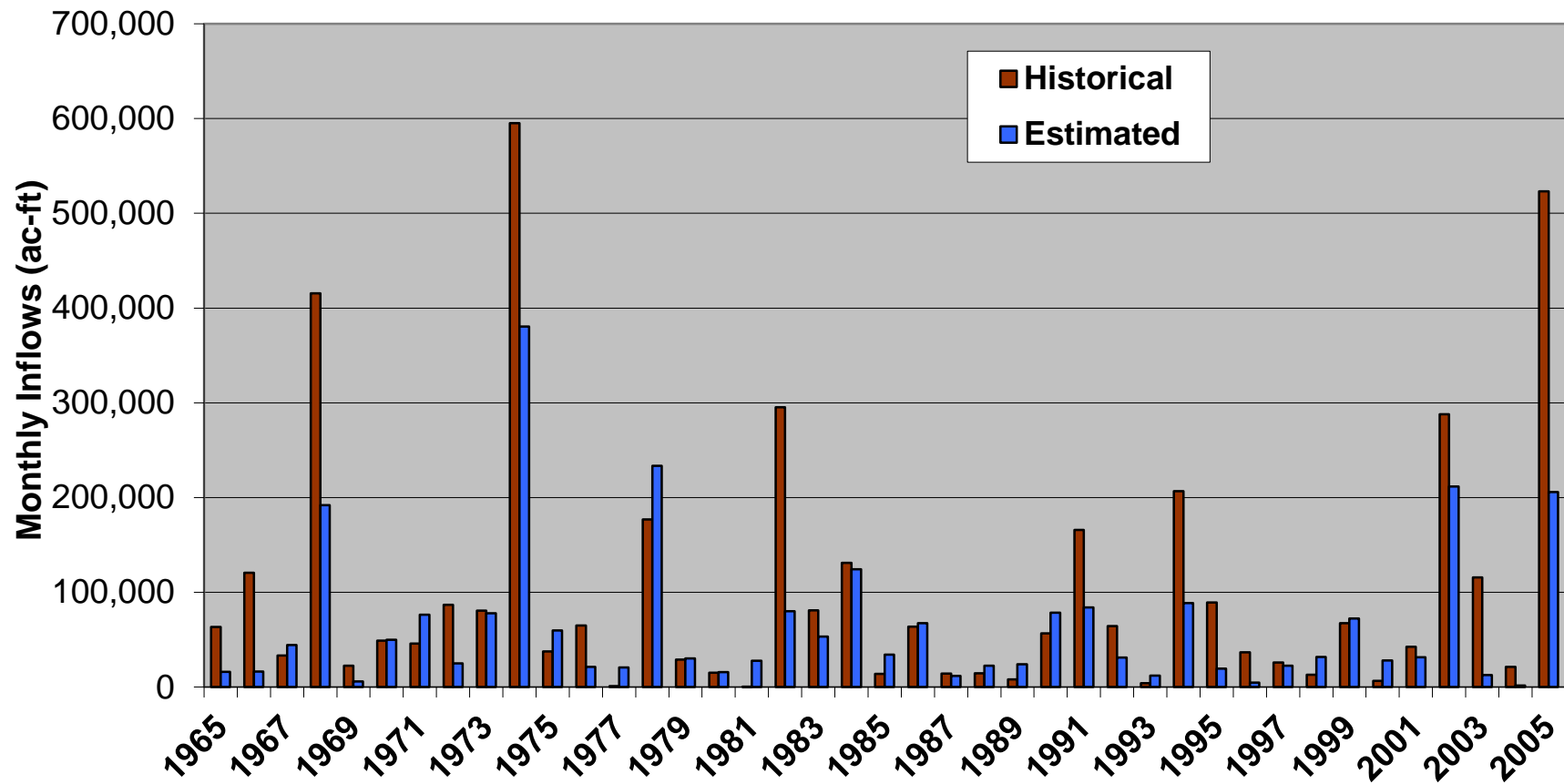
Annual Supply Side Management Results  
for the Lake Okeechobee Service Area  
Report by Water Years Oct-Sep  
(Volumes in 1000 ac-ft)

Run:  
SFWMM v6.7.4 - July 2015 DPA Final

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	0	0	399.58	0.00	0.00	0.15	0.04	0.15	0.04
1967	23	18	821.42	36.03	4.39	0.38	0.05	36.41	4.43
1968	53	12	602.72	7.80	1.29	0.19	0.03	7.99	1.33
1969	0	0	440.59	0.00	0.00	0.21	0.05	0.21	0.05
1970	16	0	445.10	0.00	0.00	0.17	0.04	0.17	0.04
1971	197	121	893.58	194.71	21.79	12.42	1.39	207.14	23.18
1972	57	20	544.11	24.12	4.43	0.37	0.07	24.49	4.50
1973	243	61	583.60	75.04	12.86	14.27	2.45	89.31	15.30
1974	75	28	749.84	54.54	7.27	4.70	0.63	59.24	7.90
1975	0	0	641.63	0.00	0.00	0.58	0.09	0.58	0.09
1976	80	16	600.87	10.54	1.75	0.19	0.03	10.73	1.79
1977	77	8	624.52	7.36	1.18	0.31	0.05	7.67	1.23
1978	20	7	426.77	12.72	2.98	0.37	0.09	13.09	3.07
1979	40	4	431.64	4.49	1.04	0.21	0.05	4.71	1.09
1980	18	0	409.78	0.00	0.00	0.17	0.04	0.17	0.04
1981	249	107	865.13	182.29	21.07	7.28	0.84	189.58	21.91
1982	141	65	615.84	40.69	6.61	1.21	0.20	41.91	6.80
1983	11	1	536.96	2.36	0.44	0.29	0.05	2.65	0.49
1984	1	0	442.49	0.00	0.00	0.44	0.10	0.44	0.10
1985	119	46	675.99	54.41	8.05	6.30	0.93	60.72	8.98
1986	0	0	538.07	0.00	0.00	0.40	0.07	0.40	0.07
1987	46	23	574.13	35.20	6.13	1.29	0.23	36.49	6.36
1988	33	0	522.11	0.00	0.00	0.41	0.08	0.41	0.08
1989	139	27	722.31	40.51	5.61	1.00	0.14	41.51	5.75
1990	11	0	550.83	0.00	0.00	0.95	0.17	0.95	0.17
1991	0	0	445.01	0.00	0.00	0.16	0.04	0.16	0.04
1992	0	0	545.57	0.00	0.00	0.72	0.13	0.72	0.13
1993	59	15	598.99	19.86	3.32	0.16	0.03	20.02	3.34
1994	23	0	431.92	0.00	0.00	0.31	0.07	0.31	0.07
1995	0	0	374.87	0.00	0.00	0.15	0.04	0.15	0.04
1996	34	11	517.93	6.92	1.34	0.18	0.04	7.10	1.37
1997	210	49	491.65	24.38	4.96	1.07	0.22	25.45	5.18
1998	0	0	451.96	0.00	0.00	0.69	0.15	0.69	0.15
1999	0	0	617.14	0.00	0.00	1.26	0.20	1.26	0.20
2000	40	4	709.48	4.83	0.68	0.35	0.05	5.18	0.73
2001	243	135	911.41	195.23	21.42	8.34	0.92	203.58	22.34
2002	0	0	651.94	0.00	0.00	0.23	0.04	0.23	0.04
2003	0	0	448.46	0.00	0.00	0.15	0.03	0.15	0.03
2004	0	0	717.93	0.00	0.00	0.57	0.08	0.57	0.08
2005	0	0	536.10	0.00	0.00	0.99	0.19	0.99	0.19

# July 2015 Dynamic Position Analysis Historical and Estimated S65E Monthly Flow for July from 1965 - 2005



# July 2015 Dynamic Position Analysis Historical and Estimated S65E Monthly Flow for August from 1965 - 2005

