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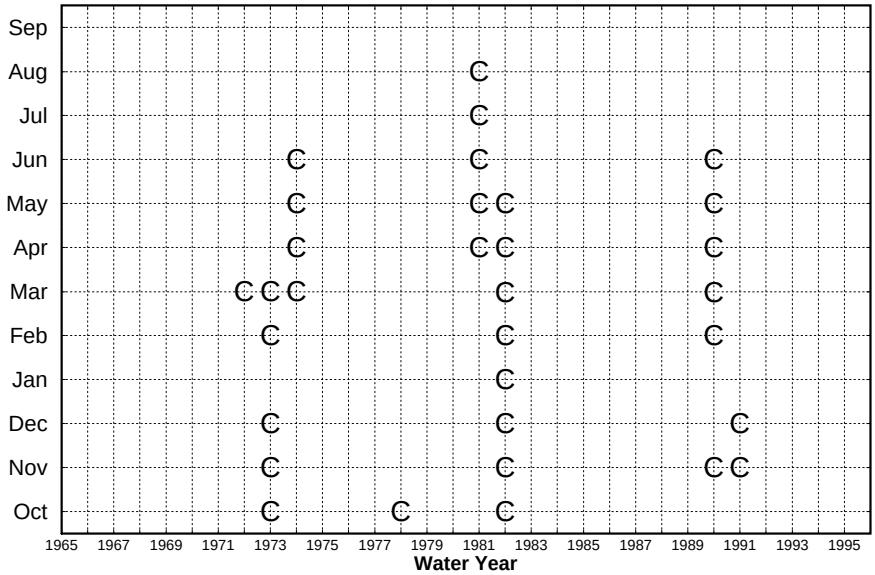
Appendix H
DETAILS ON RESULTS OF MODEL SIMULATIONS

URBAN AND AGRICULTURAL WATER SUPPLY PERFORMANCE MEASURES BASE CASES AND ALTERNATIVES

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Lake Okeechobee Service Area − 95BSR



Total number of water years with restrictions = 8
Target number of water years with restrictions = 3

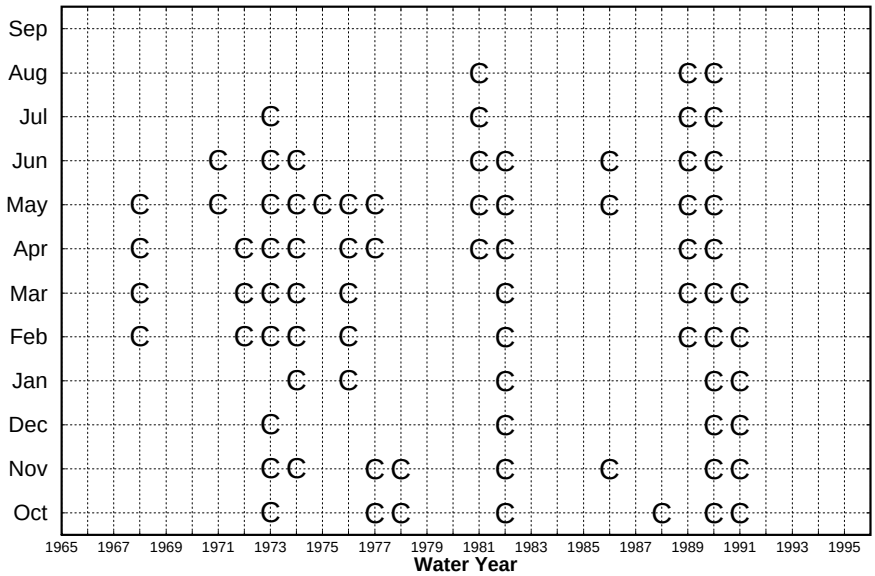
C: Under Supply Side Management and Cutbacks for 7 days or more and Cutbacks greater or equal than 10%

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:56
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Lake Okeechobee Service Area − 20BSR



Total number of water years with restrictions = 16
Target number of water years with restrictions = 3

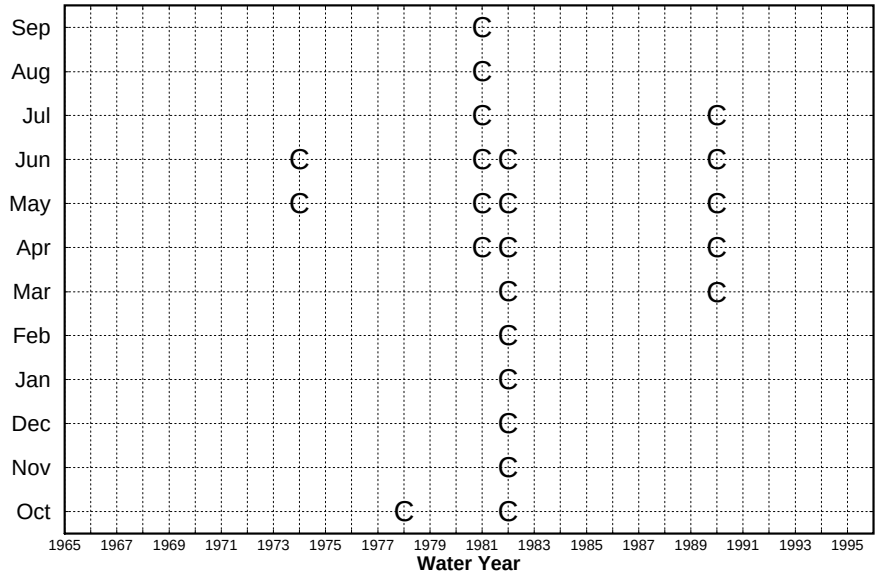
C: Under Supply Side Management and Cutbacks for 7 days or more and Cutbacks greater or equal than 10%

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:57
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Lake Okeechobee Service Area − 2020WR



Total number of water years with restrictions = 5
Target number of water years with restrictions = 3

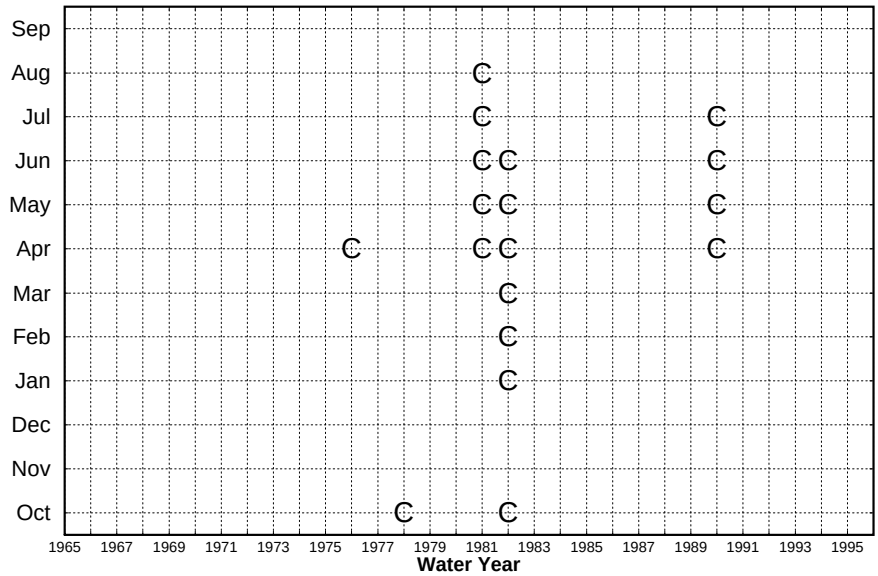
C: Under Supply Side Management and Cutbacks for 7 days or more and Cutbacks greater or equal than 10%

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:58
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Lake Okeechobee Service Area − LEC1



Total number of water years with restrictions = 5
Target number of water years with restrictions = 3

C: Under Supply Side Management and Cutbacks for 7 days or more and Cutbacks greater or equal than 10%

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:59
For Planning Purposes Only
SFWMM V3.7

Monthly Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − 95BSR (LEC2020)

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	1	0	0	51.33	0.00	0.00	0.00	0.00	0.00	0.00
1965	2	0	0	29.40	0.00	0.00	0.00	0.00	0.00	0.00
1965	3	0	0	53.34	0.00	0.00	0.00	0.00	0.00	0.00
1965	4	0	0	133.92	0.00	0.00	0.00	0.00	0.00	0.00
1965	5	0	0	249.95	0.00	0.00	7.63	3.05	7.63	3.05
1965	6	0	0	68.41	0.00	0.00	6.87	10.04	6.87	10.04
1965	7	0	0	24.34	0.00	0.00	0.00	0.00	0.00	0.00
1965	8	0	0	0.50	0.00	0.00	0.00	0.00	0.00	0.00
1965	9	0	0	0.55	0.00	0.00	0.00	0.00	0.00	0.00
1965	10	0	0	2.45	0.00	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	47.97	0.00	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	52.04	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	1	0	0	4.05	0.00	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	26.12	0.00	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	65.15	0.00	0.00	0.00	0.00	0.00	0.00
1966	4	0	0	67.20	0.00	0.00	0.00	0.00	0.00	0.00
1966	5	0	0	61.10	0.00	0.00	0.16	0.26	0.16	0.26
1966	6	0	0	3.44	0.00	0.00	0.00	0.00	0.00	0.00
1966	7	0	0	0.30	0.00	0.00	0.00	0.00	0.00	0.00
1966	8	0	0	0.34	0.00	0.00	0.00	0.00	0.00	0.00
1966	9	0	0	1.02	0.00	0.00	0.00	0.00	0.00	0.00
1966	10	0	0	6.83	0.00	0.00	0.00	0.00	0.00	0.00
1966	11	0	0	86.01	0.00	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	50.96	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	1	0	0	48.83	0.00	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	31.05	0.00	0.00	0.00	0.00	0.00	0.00
1967	3	0	0	93.96	0.00	0.00	0.00	0.00	0.00	0.00
1967	4	0	0	213.02	0.00	0.00	0.00	0.00	0.00	0.00
1967	5	0	0	263.41	0.00	0.00	10.59	4.02	10.59	4.02
1967	6	0	0	17.39	0.00	0.00	0.00	0.00	0.00	0.00
1967	7	0	0	7.28	0.00	0.00	0.00	0.00	0.00	0.00
1967	8	0	0	2.79	0.00	0.00	0.00	0.00	0.00	0.00
1967	9	0	0	4.29	0.00	0.00	0.00	0.00	0.00	0.00
1967	10	0	0	2.17	0.00	0.00	0.00	0.00	0.00	0.00
1967	11	0	0	75.95	0.00	0.00	0.00	0.00	0.00	0.00
1967	12	0	0	31.67	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	1	0	0	30.78	0.00	0.00	0.00	0.00	0.00	0.00
1968	2	0	0	16.86	0.00	0.00	0.00	0.00	0.00	0.00
1968	3	0	0	50.76	0.00	0.00	0.00	0.00	0.00	0.00
1968	4	24	16	147.87	27.31	18.47	0.07	0.05	27.38	18.52
1968	5	28	7	38.77	17.06	43.99	0.01	0.02	17.06	44.01
1968	6	0	0	0.12	0.00	0.00	0.00	0.00	0.00	0.00
1968	7	0	0	5.01	0.00	0.00	0.00	0.00	0.00	0.00
1968	8	0	0	3.31	0.00	0.00	0.00	0.00	0.00	0.00
1968	9	0	0	4.31	0.00	0.00	0.00	0.00	0.00	0.00
1968	10	0	0	1.94	0.00	0.00	0.00	0.00	0.00	0.00
1968	11	0	0	7.05	0.00	0.00	0.00	0.00	0.00	0.00
1968	12	0	0	32.82	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	1	0	0	14.28	0.00	0.00	0.00	0.00	0.00	0.00
1969	2	0	0	19.31	0.00	0.00	0.00	0.00	0.00	0.00
1969	3	0	0	6.42	0.00	0.00	0.00	0.00	0.00	0.00
1969	4	0	0	46.62	0.00	0.00	0.00	0.00	0.00	0.00
1969	5	0	0	15.20	0.00	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	7.99	0.00	0.00	0.00	0.00	0.00	0.00
1969	7	0	0	4.90	0.00	0.00	0.00	0.00	0.00	0.00
1969	8	0	0	1.19	0.00	0.00	0.00	0.00	0.00	0.00
1969	9	0	0	0.43	0.00	0.00	0.00	0.00	0.00	0.00
1969	10	0	0	2.28	0.00	0.00	0.00	0.00	0.00	0.00
1969	11	0	0	2.60	0.00	0.00	0.00	0.00	0.00	0.00
1969	12	0	0	4.00	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
1970	1	0	0	2.60	0.00	0.00	0.00	0.00	0.00	0.00
1970	2	0	0	7.80	0.00	0.00	0.00	0.00	0.00	0.00
1970	3	0	0	9.94	0.00	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	33.44	0.00	0.00	0.00	0.00	0.00	0.00
1970	5	0	0	81.99	0.00	0.00	0.00	0.00	0.00	0.00
1970	6	0	0	3.76	0.00	0.00	0.00	0.00	0.00	0.00
1970	7	0	0	2.33	0.00	0.00	0.00	0.00	0.00	0.00
1970	8	0	0	2.38	0.00	0.00	0.00	0.00	0.00	0.00
1970	9	0	0	2.91	0.00	0.00	0.00	0.00	0.00	0.00
1970	10	0	0	3.32	0.00	0.00	0.00	0.00	0.00	0.00
1970	11	0	0	37.55	0.00	0.00	0.00	0.00	0.00	0.00
1970	12	0	0	42.50	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
1971	1	0	0	50.05	0.00	0.00	0.00	0.00	0.00	0.00
1971	2	0	0	46.10	0.00	0.00	0.00	0.00	0.00	0.00
1971	3	0	0	137.58	0.00	0.00	0.00	0.00	0.00	0.00
1971	4	0	0	216.50	0.00	0.00	0.00	0.00	0.00	0.00
1971	5	19	9	143.40	21.06	14.69	0.05	0.03	21.11	14.72
1971	6	30	7	34.18	21.67	63.40	0.00	0.01	21.67	63.41
1971	7	23	0	0.59	0.00	0.00	0.00	0.00	0.00	0.00
1971	8	0	0	0.98	0.00	0.00	0.00	0.00	0.00	0.00
1971	9	0	0	3.24	0.00	0.00	0.00	0.00	0.00	0.00
1971	10	31	3	10.05	2.53	25.20	0.00	0.00	2.53	25.21
1971	11	0	0	18.52	0.00	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	23.46	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
1972	1	0	0	44.55	0.00	0.00	0.00	0.00	0.00	0.00
1972	2	0	0	33.66	0.00	0.00	0.00	0.00	0.00	0.00
1972	3	9	8	93.49	26.24	28.06	0.02	0.02	26.25	28.08
1972	4	2	0	68.48	0.00	0.00	0.00	0.00	0.00	0.00
1972	5	0	0	17.90	0.00	0.00	0.00	0.00	0.00	0.00
1972	6	0	0	28.02	0.00	0.00	1.04	3.71	1.04	3.71
1972	7	0	0	29.81	0.00	0.00	0.00	0.00	0.00	0.00
1972	8	0	0	19.86	0.00	0.00	0.00	0.00	0.00	0.00
1972	9	0	0	26.96	0.00	0.00	0.00	0.00	0.00	0.00
1972	10	31	25	84.63	50.36	59.50	0.01	0.01	50.37	59.52
1972	11	30	13	50.25	30.26	60.22	0.02	0.04	30.28	60.26
1972	12	31	9	33.35	7.51	22.51	0.02	0.06	7.53	22.57

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1973	1	31	5	13.53	4.18	30.90	0.01	0.11	4.20	31.01
1973	2	28	13	15.78	8.55	54.20	0.01	0.05	8.56	54.25
1973	3	31	20	61.49	34.71	56.44	0.03	0.05	34.74	56.49
1973	4	8	0	104.24	0.00	0.00	0.00	0.00	0.00	0.00
1973	5	2	2	130.65	8.92	6.83	0.03	0.02	8.94	6.85
1973	6	0	0	18.14	0.00	0.00	0.00	0.00	0.00	0.00
1973	7	0	0	0.74	0.00	0.00	0.00	0.00	0.00	0.00
1973	8	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1973	9	0	0	0.19	0.00	0.00	0.00	0.00	0.00	0.00
1973	10	0	0	22.37	0.00	0.00	0.00	0.00	0.00	0.00
1973	11	0	0	85.66	0.00	0.00	0.00	0.00	0.00	0.00
1973	12	0	0	26.18	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
1974	1	0	0	36.14	0.00	0.00	0.00	0.00	0.00	0.00
1974	2	0	0	73.18	0.00	0.00	0.00	0.00	0.00	0.00
1974	3	27	25	158.03	76.78	48.59	0.08	0.05	76.86	48.64
1974	4	30	30	187.34	103.74	55.38	0.08	0.04	103.82	55.42
1974	5	31	31	232.77	155.96	67.00	0.00	0.00	155.96	67.00
1974	6	30	25	28.25	18.86	66.76	0.00	0.00	18.86	66.76
1974	7	1	0	0.05	0.00	0.00	0.00	0.00	0.00	0.00
1974	8	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1974	9	0	0	0.18	0.00	0.00	0.00	0.00	0.00	0.00
1974	10	0	0	34.26	0.00	0.00	0.00	0.00	0.00	0.00
1974	11	0	0	68.42	0.00	0.00	0.00	0.00	0.00	0.00
1974	12	0	0	11.71	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
1975	1	0	0	71.52	0.00	0.00	0.00	0.00	0.00	0.00
1975	2	0	0	58.07	0.00	0.00	0.00	0.00	0.00	0.00
1975	3	0	0	115.03	0.00	0.00	0.00	0.00	0.00	0.00
1975	4	0	0	150.62	0.00	0.00	0.00	0.00	0.00	0.00
1975	5	0	0	77.94	0.00	0.00	0.00	0.00	0.00	0.00
1975	6	0	0	7.05	0.00	0.00	0.00	0.00	0.00	0.00
1975	7	0	0	0.72	0.00	0.00	0.00	0.00	0.00	0.00
1975	8	0	0	5.40	0.00	0.00	0.00	0.00	0.00	0.00
1975	9	0	0	2.23	0.00	0.00	0.00	0.00	0.00	0.00
1975	10	0	0	1.31	0.00	0.00	0.00	0.00	0.00	0.00
1975	11	0	0	37.49	0.00	0.00	0.00	0.00	0.00	0.00
1975	12	0	0	85.09	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	1	0	0	72.60	0.00	0.00	0.00	0.00	0.00	0.00
1976	2	0	0	73.80	0.00	0.00	0.00	0.00	0.00	0.00
1976	3	0	0	98.54	0.00	0.00	0.00	0.00	0.00	0.00
1976	4	0	0	156.58	0.00	0.00	0.00	0.00	0.00	0.00
1976	5	0	0	21.69	0.00	0.00	0.00	0.00	0.00	0.00
1976	6	0	0	6.92	0.00	0.00	0.00	0.00	0.00	0.00
1976	7	0	0	25.61	0.00	0.00	0.00	0.00	0.00	0.00
1976	8	0	0	1.84	0.00	0.00	0.00	0.00	0.00	0.00
1976	9	0	0	0.05	0.00	0.00	0.00	0.00	0.00	0.00
1976	10	0	0	68.34	0.00	0.00	0.00	0.00	0.00	0.00
1976	11	0	0	38.73	0.00	0.00	0.00	0.00	0.00	0.00
1976	12	0	0	23.32	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
1977	1	0	0	3.26	0.00	0.00	0.00	0.00	0.00	0.00
1977	2	0	0	39.55	0.00	0.00	0.00	0.00	0.00	0.00
1977	3	0	0	107.65	0.00	0.00	0.00	0.00	0.00	0.00
1977	4	0	0	186.98	0.00	0.00	0.00	0.00	0.00	0.00
1977	5	0	0	76.89	0.00	0.00	0.27	0.35	0.27	0.35
1977	6	0	0	64.18	0.00	0.00	0.00	0.00	0.00	0.00
1977	7	0	0	25.20	0.00	0.00	0.00	0.00	0.00	0.00
1977	8	0	0	9.97	0.00	0.00	0.00	0.00	0.00	0.00
1977	9	0	0	0.07	0.00	0.00	0.00	0.00	0.00	0.00
1977	10	31	21	73.37	35.20	47.98	0.06	0.08	35.26	48.06
1977	11	30	2	25.55	2.20	8.59	0.01	0.04	2.21	8.63
1977	12	0	0	0.03	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	1	0	0	7.14	0.00	0.00	0.00	0.00	0.00	0.00
1978	2	0	0	19.65	0.00	0.00	0.00	0.00	0.00	0.00
1978	3	0	0	46.11	0.00	0.00	0.00	0.00	0.00	0.00
1978	4	0	0	120.98	0.00	0.00	0.00	0.00	0.00	0.00
1978	5	0	0	27.73	0.00	0.00	0.00	0.00	0.00	0.00
1978	6	0	0	28.94	0.00	0.00	0.00	0.00	0.00	0.00
1978	7	0	0	2.28	0.00	0.00	0.00	0.00	0.00	0.00
1978	8	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1978	9	0	0	0.24	0.00	0.00	0.00	0.00	0.00	0.00
1978	10	0	0	7.95	0.00	0.00	0.00	0.00	0.00	0.00
1978	11	0	0	21.70	0.00	0.00	0.00	0.00	0.00	0.00
1978	12	0	0	22.71	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
1979	1	0	0	2.17	0.00	0.00	0.00	0.00	0.00	0.00
1979	2	0	0	47.74	0.00	0.00	0.00	0.00	0.00	0.00
1979	3	0	0	74.77	0.00	0.00	0.00	0.00	0.00	0.00
1979	4	0	0	136.14	0.00	0.00	0.00	0.00	0.00	0.00
1979	5	0	0	14.50	0.00	0.00	0.00	0.00	0.00	0.00
1979	6	0	0	220.62	0.00	0.00	16.16	7.33	16.16	7.33
1979	7	0	0	33.31	0.00	0.00	0.00	0.00	0.00	0.00
1979	8	0	0	8.93	0.00	0.00	0.00	0.00	0.00	0.00
1979	9	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1979	10	0	0	11.67	0.00	0.00	0.00	0.00	0.00	0.00
1979	11	0	0	3.55	0.00	0.00	0.00	0.00	0.00	0.00
1979	12	0	0	15.65	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	1	0	0	36.98	0.00	0.00	0.00	0.00	0.00	0.00
1980	2	0	0	12.98	0.00	0.00	0.00	0.00	0.00	0.00
1980	3	0	0	77.09	0.00	0.00	0.00	0.00	0.00	0.00
1980	4	0	0	11.39	0.00	0.00	0.00	0.00	0.00	0.00
1980	5	0	0	129.08	0.00	0.00	0.88	0.68	0.88	0.68
1980	6	0	0	167.96	0.00	0.00	2.26	1.34	2.26	1.34
1980	7	0	0	21.90	0.00	0.00	0.00	0.00	0.00	0.00
1980	8	0	0	7.88	0.00	0.00	0.00	0.00	0.00	0.00
1980	9	0	0	1.42	0.00	0.00	0.00	0.00	0.00	0.00
1980	10	0	0	72.36	0.00	0.00	0.00	0.00	0.00	0.00
1980	11	0	0	32.90	0.00	0.00	0.00	0.00	0.00	0.00
1980	12	0	0	31.11	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	1	0	0	59.83	0.00	0.00	0.00	0.00	0.00	0.00
1981	2	0	0	24.92	0.00	0.00	0.00	0.00	0.00	0.00
1981	3	16	4	87.84	8.12	9.24	0.02	0.02	8.13	9.26
1981	4	30	29	220.71	101.52	46.00	0.11	0.05	101.63	46.05
1981	5	31	31	276.30	185.12	67.00	0.00	0.00	185.12	67.00
1981	6	30	30	197.92	132.61	67.00	0.00	0.00	132.61	67.00
1981	7	31	30	114.24	76.54	67.00	0.00	0.00	76.54	67.00
1981	8	31	15	7.71	5.17	67.00	0.00	0.00	5.17	67.00
1981	9	19	0	1.18	0.00	0.00	0.00	0.00	0.00	0.00
1981	10	31	30	96.42	63.65	66.01	0.01	0.01	63.65	66.02
1981	11	30	15	47.29	27.75	58.68	0.01	0.01	27.76	58.69
1981	12	31	31	105.09	57.47	54.68	0.06	0.05	57.52	54.74

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1982	1	31	31	99.69	53.94	54.11	0.09	0.09	54.03	54.20
1982	2	28	28	50.29	33.70	67.00	0.00	0.00	33.70	67.00
1982	3	31	30	56.05	37.55	67.00	0.00	0.00	37.55	67.00
1982	4	30	30	48.85	32.73	67.00	0.00	0.00	32.73	67.00
1982	5	31	27	153.24	102.67	67.00	0.00	0.00	102.67	67.00
1982	6	5	1	22.44	0.00	0.00	0.45	2.01	0.45	2.02
1982	7	0	0	10.10	0.00	0.00	0.00	0.00	0.00	0.00
1982	8	0	0	7.30	0.00	0.00	0.00	0.00	0.00	0.00
1982	9	0	0	8.55	0.00	0.00	0.00	0.00	0.00	0.00
1982	10	0	0	22.82	0.00	0.00	0.00	0.00	0.00	0.00
1982	11	0	0	46.45	0.00	0.00	0.00	0.00	0.00	0.00
1982	12	0	0	64.57	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
1983	1	0	0	27.93	0.00	0.00	0.00	0.00	0.00	0.00
1983	2	0	0	1.81	0.00	0.00	0.00	0.00	0.00	0.00
1983	3	0	0	0.33	0.00	0.00	0.00	0.00	0.00	0.00
1983	4	0	0	49.75	0.00	0.00	0.00	0.00	0.00	0.00
1983	5	0	0	250.87	0.00	0.00	7.24	2.89	7.24	2.89
1983	6	0	0	14.68	0.00	0.00	0.00	0.00	0.00	0.00
1983	7	0	0	29.73	0.00	0.00	0.00	0.00	0.00	0.00
1983	8	0	0	3.97	0.00	0.00	0.00	0.00	0.00	0.00
1983	9	0	0	4.77	0.00	0.00	0.00	0.00	0.00	0.00
1983	10	0	0	1.18	0.00	0.00	0.00	0.00	0.00	0.00
1983	11	0	0	16.41	0.00	0.00	0.00	0.00	0.00	0.00
1983	12	0	0	24.60	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	1	0	0	37.57	0.00	0.00	0.00	0.00	0.00	0.00
1984	2	0	0	28.13	0.00	0.00	0.00	0.00	0.00	0.00
1984	3	0	0	19.85	0.00	0.00	0.00	0.00	0.00	0.00
1984	4	0	0	52.73	0.00	0.00	0.00	0.00	0.00	0.00
1984	5	0	0	165.38	0.00	0.00	4.75	2.87	4.75	2.87
1984	6	0	0	68.95	0.00	0.00	0.24	0.35	0.24	0.35
1984	7	0	0	3.07	0.00	0.00	0.00	0.00	0.00	0.00
1984	8	0	0	15.32	0.00	0.00	0.00	0.00	0.00	0.00
1984	9	0	0	21.66	0.00	0.00	0.00	0.00	0.00	0.00
1984	10	0	0	72.94	0.00	0.00	0.00	0.00	0.00	0.00
1984	11	0	0	60.66	0.00	0.00	0.00	0.00	0.00	0.00
1984	12	0	0	63.13	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
1985	1	0	0	63.86	0.00	0.00	0.00	0.00	0.00	0.00
1985	2	0	0	78.46	0.00	0.00	0.00	0.00	0.00	0.00
1985	3	0	0	101.97	0.00	0.00	0.00	0.00	0.00	0.00
1985	4	0	0	35.52	0.00	0.00	0.00	0.00	0.00	0.00
1985	5	0	0	134.78	0.00	0.00	2.99	2.22	2.99	2.22
1985	6	0	0	123.69	0.00	0.00	12.96	10.48	12.96	10.48
1985	7	0	0	4.81	0.00	0.00	0.00	0.00	0.00	0.00
1985	8	0	0	4.72	0.00	0.00	0.00	0.00	0.00	0.00
1985	9	0	0	0.21	0.00	0.00	0.00	0.00	0.00	0.00
1985	10	2	0	8.79	0.00	0.00	0.00	0.00	0.00	0.00
1985	11	0	0	35.99	0.00	0.00	0.00	0.00	0.00	0.00
1985	12	0	0	26.09	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	1	0	0	23.93	0.00	0.00	0.00	0.00	0.00	0.00
1986	2	0	0	46.94	0.00	0.00	0.00	0.00	0.00	0.00
1986	3	0	0	17.34	0.00	0.00	0.00	0.00	0.00	0.00
1986	4	0	0	164.31	0.00	0.00	0.00	0.00	0.00	0.00
1986	5	0	0	161.53	0.00	0.00	0.89	0.55	0.89	0.55
1986	6	0	0	24.41	0.00	0.00	0.00	0.00	0.00	0.00
1986	7	0	0	5.61	0.00	0.00	0.00	0.00	0.00	0.00
1986	8	0	0	0.63	0.00	0.00	0.00	0.00	0.00	0.00
1986	9	0	0	13.00	0.00	0.00	0.00	0.00	0.00	0.00
1986	10	0	0	30.29	0.00	0.00	0.00	0.00	0.00	0.00
1986	11	0	0	26.68	0.00	0.00	0.00	0.00	0.00	0.00
1986	12	0	0	48.23	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
1987	1	0	0	20.90	0.00	0.00	0.00	0.00	0.00	0.00
1987	2	0	0	20.47	0.00	0.00	0.00	0.00	0.00	0.00
1987	3	0	0	17.67	0.00	0.00	0.00	0.00	0.00	0.00
1987	4	0	0	109.10	0.00	0.00	0.00	0.00	0.00	0.00
1987	5	0	0	174.15	0.00	0.00	4.67	2.68	4.67	2.68
1987	6	0	0	153.71	0.00	0.00	2.39	1.55	2.39	1.55
1987	7	0	0	24.62	0.00	0.00	0.00	0.00	0.00	0.00
1987	8	0	0	50.62	0.00	0.00	0.00	0.00	0.00	0.00
1987	9	0	0	12.89	0.00	0.00	0.00	0.00	0.00	0.00
1987	10	14	0	24.68	0.00	0.00	0.00	0.00	0.00	0.00
1987	11	0	0	1.01	0.00	0.00	0.00	0.00	0.00	0.00
1987	12	0	0	36.14	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	1	0	0	13.55	0.00	0.00	0.00	0.00	0.00	0.00
1988	2	0	0	18.84	0.00	0.00	0.00	0.00	0.00	0.00
1988	3	0	0	30.08	0.00	0.00	0.00	0.00	0.00	0.00
1988	4	0	0	152.44	0.00	0.00	0.00	0.00	0.00	0.00
1988	5	0	0	137.81	0.00	0.00	0.36	0.26	0.36	0.26
1988	6	0	0	50.86	0.00	0.00	0.00	0.00	0.00	0.00
1988	7	0	0	5.93	0.00	0.00	0.00	0.00	0.00	0.00
1988	8	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1988	9	0	0	47.93	0.00	0.00	0.00	0.00	0.00	0.00
1988	10	0	0	141.50	0.00	0.00	0.00	0.00	0.00	0.00
1988	11	0	0	42.33	0.00	0.00	0.00	0.00	0.00	0.00
1988	12	0	0	63.85	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
1989	1	0	0	75.07	0.00	0.00	0.00	0.00	0.00	0.00
1989	2	0	0	100.58	0.00	0.00	0.00	0.00	0.00	0.00
1989	3	0	0	65.61	0.00	0.00	0.00	0.00	0.00	0.00
1989	4	0	0	80.26	0.00	0.00	0.00	0.00	0.00	0.00
1989	5	0	0	172.66	0.00	0.00	3.23	1.87	3.23	1.87
1989	6	0	0	160.82	0.00	0.00	14.44	8.98	14.44	8.98
1989	7	0	0	42.31	0.00	0.00	0.00	0.00	0.00	0.00
1989	8	0	0	7.38	0.00	0.00	0.00	0.00	0.00	0.00
1989	9	0	0	1.94	0.00	0.00	0.00	0.00	0.00	0.00
1989	10	31	0	13.13	0.00	0.00	0.00	0.00	0.00	0.00
1989	11	30	26	100.09	27.39	27.37	0.05	0.05	27.44	27.42
1989	12	31	3	43.13	1.41	3.28	0.00	0.01	1.42	3.29

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1990	1	31	6	53.17	4.18	7.87	0.03	0.06	4.22	7.93
1990	2	27	7	29.92	6.84	22.87	0.02	0.07	6.86	22.94
1990	3	15	14	95.00	25.40	26.73	0.05	0.06	25.45	26.79
1990	4	30	12	132.50	23.89	18.03	0.09	0.07	23.99	18.10
1990	5	31	10	92.73	18.50	19.95	0.07	0.08	18.58	20.03
1990	6	30	21	71.97	44.90	62.39	0.01	0.01	44.91	62.40
1990	7	7	0	11.39	0.00	0.00	0.00	0.00	0.00	0.00
1990	8	0	0	5.04	0.00	0.00	0.00	0.00	0.00	0.00
1990	9	0	0	15.24	0.00	0.00	0.00	0.00	0.00	0.00
1990	10	31	1	22.09	0.19	0.88	0.00	0.00	0.19	0.88
1990	11	30	20	94.95	18.94	19.95	0.07	0.07	19.01	20.02
1990	12	31	22	112.18	19.17	17.09	0.05	0.04	19.22	17.13

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1991	1	18	2	18.84	1.65	8.78	0.00	0.01	1.66	8.79
1991	2	0	0	43.24	0.00	0.00	0.00	0.00	0.00	0.00
1991	3	0	0	66.63	0.00	0.00	0.00	0.00	0.00	0.00
1991	4	0	0	4.43	0.00	0.00	0.00	0.00	0.00	0.00
1991	5	0	0	84.02	0.00	0.00	0.65	0.78	0.65	0.78
1991	6	0	0	21.51	0.00	0.00	0.00	0.00	0.00	0.00
1991	7	0	0	0.02	0.00	0.00	0.00	0.00	0.00	0.00
1991	8	0	0	5.05	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	0	0	2.25	0.00	0.00	0.00	0.00	0.00	0.00
1991	10	0	0	7.18	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	0	0	34.24	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	0	0	33.74	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
1992	1	0	0	33.85	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	0	0	24.42	0.00	0.00	0.00	0.00	0.00	0.00
1992	3	0	0	37.07	0.00	0.00	0.00	0.00	0.00	0.00
1992	4	0	0	11.40	0.00	0.00	0.00	0.00	0.00	0.00
1992	5	0	0	239.92	0.00	0.00	4.64	1.94	4.64	1.94
1992	6	0	0	19.98	0.00	0.00	0.39	1.94	0.39	1.94
1992	7	0	0	37.10	0.00	0.00	0.00	0.00	0.00	0.00
1992	8	0	0	8.33	0.00	0.00	0.00	0.00	0.00	0.00
1992	9	0	0	1.33	0.00	0.00	0.00	0.00	0.00	0.00
1992	10	0	0	62.16	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0	0	32.42	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	0	0	62.42	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	1	0	0	1.52	0.00	0.00	0.00	0.00	0.00	0.00
1993	2	0	0	12.90	0.00	0.00	0.00	0.00	0.00	0.00
1993	3	0	0	18.87	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0	0	45.12	0.00	0.00	0.00	0.00	0.00	0.00
1993	5	0	0	247.70	0.00	0.00	5.50	2.22	5.50	2.22
1993	6	0	0	71.57	0.00	0.00	0.32	0.44	0.32	0.44
1993	7	0	0	76.61	0.00	0.00	0.00	0.00	0.00	0.00
1993	8	0	0	71.78	0.00	0.00	0.00	0.00	0.00	0.00
1993	9	0	0	2.58	0.00	0.00	0.00	0.00	0.00	0.00
1993	10	0	0	3.21	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	0	0	39.63	0.00	0.00	0.00	0.00	0.00	0.00
1993	12	0	0	55.71	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
1994	1	0	0	7.21	0.00	0.00	0.00	0.00	0.00	0.00
1994	2	0	0	11.30	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0	0	46.73	0.00	0.00	0.00	0.00	0.00	0.00
1994	4	0	0	62.07	0.00	0.00	0.00	0.00	0.00	0.00
1994	5	0	0	122.79	0.00	0.00	0.02	0.02	0.02	0.02
1994	6	0	0	7.98	0.00	0.00	0.00	0.00	0.00	0.00
1994	7	0	0	22.73	0.00	0.00	0.00	0.00	0.00	0.00
1994	8	0	0	0.03	0.00	0.00	0.00	0.00	0.00	0.00
1994	9	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	10	0	0	7.72	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	0	0	6.59	0.00	0.00	0.00	0.00	0.00	0.00
1994	12	0	0	3.52	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	1	0	0	7.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	0	0	5.30	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	0	0	43.15	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0	0	104.79	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0	0	104.73	0.00	0.00	0.00	0.00	0.00	0.00
1995	6	0	0	32.26	0.00	0.00	0.00	0.00	0.00	0.00
1995	7	0	0	21.08	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	0	0	9.12	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	0	0	3.50	0.00	0.00	0.00	0.00	0.00	0.00
1995	10	0	0	6.83	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	0	0	47.57	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	0	0	39.31	0.00	0.00	0.00	0.00	0.00	0.00

Annual Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − 95BSR (LEC2020)

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

Year	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1965	0	0	714.18	0.00	0.00	14.50	2.03	14.50	2.03
1966	0	0	372.52	0.00	0.00	0.16	0.04	0.16	0.04
1967	0	0	791.81	0.00	0.00	10.59	1.34	10.59	1.34
1968	0	0	500.40	0.00	0.00	0.00	0.00	0.00	0.00
1969	0	0	233.87	0.00	0.00	0.00	0.00	0.00	0.00
1970	0	0	570.58	0.00	0.00	7.09	1.24	7.09	1.24
1971	10	3	753.44	1.11	0.15	0.22	0.03	1.34	0.18
1972	103	55	530.96	114.37	21.54	1.11	0.21	115.47	21.75
1973	100	40	478.99	56.36	11.77	0.08	0.02	56.44	11.78
1974	119	111	830.34	355.34	42.79	0.16	0.02	355.49	42.81
1975	0	0	612.50	0.00	0.00	0.00	0.00	0.00	0.00
1976	0	0	588.01	0.00	0.00	0.00	0.00	0.00	0.00
1977	61	23	612.71	37.40	6.10	0.34	0.06	37.74	6.16
1978	0	0	306.51	0.00	0.00	0.00	0.00	0.00	0.00
1979	0	0	569.05	0.00	0.00	16.16	2.84	16.16	2.84
1980	0	0	603.07	0.00	0.00	3.14	0.52	3.14	0.52
1981	280	215	1239.45	657.93	53.08	0.19	0.02	658.13	53.10
1982	156	147	590.36	260.59	44.14	0.54	0.09	261.13	44.23
1983	0	0	426.03	0.00	0.00	7.24	1.70	7.24	1.70
1984	0	0	609.39	0.00	0.00	4.99	0.82	4.99	0.82
1985	2	0	618.89	0.00	0.00	15.95	2.58	15.95	2.58
1986	0	0	562.90	0.00	0.00	0.89	0.16	0.89	0.16
1987	14	0	645.96	0.00	0.00	7.06	1.09	7.06	1.09
1988	0	0	706.18	0.00	0.00	0.36	0.05	0.36	0.05
1989	92	29	862.99	28.80	3.34	17.73	2.05	46.53	5.39
1990	263	113	736.18	162.03	22.01	0.40	0.05	162.43	22.06
1991	18	2	321.16	1.65	0.52	0.65	0.20	2.31	0.72
1992	0	0	570.37	0.00	0.00	5.03	0.88	5.03	0.88
1993	0	0	647.21	0.00	0.00	5.82	0.90	5.82	0.90
1994	0	0	298.67	0.00	0.00	0.02	0.01	0.02	0.01
1995	0	0	424.63	0.00	0.00	0.00	0.00	0.00	0.00

Monthly Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − 2020 BASE COND REV

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	1	0	0	51.25	0.00	0.00	0.00	0.00	0.00	0.00
1965	2	0	0	29.94	0.00	0.00	0.00	0.00	0.00	0.00
1965	3	0	0	49.89	0.00	0.00	0.00	0.00	0.00	0.00
1965	4	0	0	126.02	0.00	0.00	0.00	0.00	0.00	0.00
1965	5	0	0	236.61	0.00	0.00	0.77	0.32	0.77	0.32
1965	6	0	0	67.65	0.00	0.00	1.65	2.44	1.65	2.44
1965	7	0	0	25.01	0.00	0.00	0.00	0.00	0.00	0.00
1965	8	0	0	0.53	0.00	0.00	0.00	0.00	0.00	0.00
1965	9	0	0	0.70	0.00	0.00	0.00	0.00	0.00	0.00
1965	10	7	0	1.93	0.00	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	51.96	0.00	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	51.98	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
1966	1	0	0	5.28	0.00	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	25.80	0.00	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	62.92	0.00	0.00	0.00	0.00	0.00	0.00
1966	4	0	0	64.70	0.00	0.00	0.00	0.00	0.00	0.00
1966	5	0	0	56.23	0.00	0.00	0.00	0.00	0.00	0.00
1966	6	0	0	5.61	0.00	0.00	0.00	0.00	0.00	0.00
1966	7	0	0	0.29	0.00	0.00	0.00	0.00	0.00	0.00
1966	8	0	0	0.33	0.00	0.00	0.00	0.00	0.00	0.00
1966	9	0	0	1.16	0.00	0.00	0.00	0.00	0.00	0.00
1966	10	0	0	10.60	0.00	0.00	0.00	0.00	0.00	0.00
1966	11	0	0	91.53	0.00	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	49.25	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	1	0	0	45.67	0.00	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	28.77	0.00	0.00	0.00	0.00	0.00	0.00
1967	3	0	0	88.44	0.00	0.00	0.00	0.00	0.00	0.00
1967	4	0	0	210.97	0.00	0.00	0.00	0.00	0.00	0.00
1967	5	0	0	251.34	0.00	0.00	2.07	0.82	2.07	0.82
1967	6	0	0	14.57	0.00	0.00	0.00	0.00	0.00	0.00
1967	7	0	0	9.03	0.00	0.00	0.00	0.00	0.00	0.00
1967	8	0	0	2.71	0.00	0.00	0.00	0.00	0.00	0.00
1967	9	0	0	5.02	0.00	0.00	0.00	0.00	0.00	0.00
1967	10	26	0	4.18	0.00	0.00	0.00	0.00	0.00	0.00
1967	11	23	8	81.17	1.83	2.25	0.04	0.05	1.87	2.31
1967	12	31	1	33.50	0.04	0.11	0.00	0.00	0.04	0.11

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1968	1	31	5	54.55	2.52	4.61	0.00	0.00	2.52	4.61
1968	2	29	14	37.70	20.65	54.78	0.01	0.01	20.66	54.79
1968	3	31	19	80.26	50.14	62.47	0.00	0.00	50.15	62.48
1968	4	30	30	192.20	128.77	67.00	0.00	0.00	128.77	67.00
1968	5	31	25	66.92	44.84	67.00	0.00	0.00	44.84	67.00
1968	6	5	0	0.15	0.00	0.00	0.00	0.00	0.00	0.00
1968	7	0	0	24.21	0.00	0.00	0.00	0.00	0.00	0.00
1968	8	0	0	8.35	0.00	0.00	0.00	0.00	0.00	0.00
1968	9	0	0	4.54	0.00	0.00	0.00	0.00	0.00	0.00
1968	10	0	0	1.51	0.00	0.00	0.00	0.00	0.00	0.00
1968	11	0	0	29.86	0.00	0.00	0.00	0.00	0.00	0.00
1968	12	0	0	77.49	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	1	0	0	27.47	0.00	0.00	0.00	0.00	0.00	0.00
1969	2	0	0	37.44	0.00	0.00	0.00	0.00	0.00	0.00
1969	3	0	0	7.95	0.00	0.00	0.00	0.00	0.00	0.00
1969	4	0	0	62.39	0.00	0.00	0.00	0.00	0.00	0.00
1969	5	0	0	36.37	0.00	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	22.41	0.00	0.00	0.00	0.00	0.00	0.00
1969	7	0	0	21.16	0.00	0.00	0.00	0.00	0.00	0.00
1969	8	0	0	1.22	0.00	0.00	0.00	0.00	0.00	0.00
1969	9	0	0	0.45	0.00	0.00	0.00	0.00	0.00	0.00
1969	10	0	0	11.23	0.00	0.00	0.00	0.00	0.00	0.00
1969	11	0	0	5.13	0.00	0.00	0.00	0.00	0.00	0.00
1969	12	0	0	12.08	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	1	0	0	13.46	0.00	0.00	0.00	0.00	0.00	0.00
1970	2	0	0	23.01	0.00	0.00	0.00	0.00	0.00	0.00
1970	3	0	0	13.51	0.00	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	105.26	0.00	0.00	0.00	0.00	0.00	0.00
1970	5	0	0	187.14	0.00	0.00	0.00	0.00	0.00	0.00
1970	6	0	0	11.77	0.00	0.00	0.00	0.00	0.00	0.00
1970	7	0	0	10.46	0.00	0.00	0.00	0.00	0.00	0.00
1970	8	0	0	5.12	0.00	0.00	0.00	0.00	0.00	0.00
1970	9	0	0	10.23	0.00	0.00	0.00	0.00	0.00	0.00
1970	10	0	0	19.18	0.00	0.00	0.00	0.00	0.00	0.00
1970	11	0	0	77.03	0.00	0.00	0.00	0.00	0.00	0.00
1970	12	0	0	98.42	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	1	0	0	69.01	0.00	0.00	0.00	0.00	0.00	0.00
1971	2	0	0	48.40	0.00	0.00	0.00	0.00	0.00	0.00
1971	3	0	0	123.64	0.00	0.00	0.00	0.00	0.00	0.00
1971	4	0	0	223.87	0.00	0.00	0.00	0.00	0.00	0.00
1971	5	23	10	130.51	39.22	30.05	0.07	0.06	39.29	30.11
1971	6	30	11	33.41	20.87	62.48	0.00	0.00	20.87	62.48
1971	7	24	2	3.30	0.10	3.04	0.00	0.00	0.10	3.04
1971	8	0	0	2.26	0.00	0.00	0.00	0.00	0.00	0.00
1971	9	0	0	11.71	0.00	0.00	0.00	0.00	0.00	0.00
1971	10	31	3	12.86	3.08	23.92	0.01	0.08	3.09	24.00
1971	11	0	0	34.30	0.00	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	71.52	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
1972	1	5	0	47.59	0.00	0.00	0.00	0.00	0.00	0.00
1972	2	25	8	33.16	11.93	35.98	0.02	0.05	11.95	36.03
1972	3	31	26	104.92	51.40	48.99	0.02	0.02	51.42	49.01
1972	4	30	11	78.89	33.28	42.19	0.05	0.06	33.33	42.25
1972	5	15	0	21.71	0.00	0.00	0.00	0.00	0.00	0.00
1972	6	0	0	30.39	0.00	0.00	1.00	3.28	1.00	3.28
1972	7	0	0	32.54	0.00	0.00	0.00	0.00	0.00	0.00
1972	8	0	0	23.42	0.00	0.00	0.00	0.00	0.00	0.00
1972	9	0	0	30.75	0.00	0.00	0.00	0.00	0.00	0.00
1972	10	31	28	85.94	56.02	65.19	0.00	0.00	56.03	65.20
1972	11	30	13	51.58	31.88	61.79	0.00	0.01	31.88	61.80
1972	12	31	9	31.12	8.33	26.75	0.01	0.02	8.33	26.78

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1973	1	31	5	12.59	3.75	29.76	0.01	0.04	3.75	29.80
1973	2	28	24	14.46	9.69	67.00	0.00	0.00	9.69	67.00
1973	3	31	30	55.99	37.52	67.00	0.00	0.00	37.52	67.00
1973	4	30	30	128.28	85.95	67.00	0.00	0.00	85.95	67.00
1973	5	31	31	191.28	128.16	67.00	0.00	0.00	128.16	67.00
1973	6	30	26	33.93	22.73	67.00	0.00	0.00	22.73	67.00
1973	7	31	13	0.95	0.64	67.00	0.00	0.00	0.64	67.00
1973	8	2	0	0.06	0.00	0.00	0.00	0.00	0.00	0.00
1973	9	0	0	0.20	0.00	0.00	0.00	0.00	0.00	0.00
1973	10	31	2	26.32	1.79	6.80	0.01	0.04	1.80	6.84
1973	11	30	16	87.74	9.85	11.23	0.07	0.08	9.92	11.31
1973	12	31	2	29.90	1.24	4.13	0.01	0.02	1.24	4.15

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1974	1	31	7	37.01	4.00	10.81	0.01	0.04	4.02	10.85
1974	2	28	28	81.21	54.40	66.98	0.00	0.00	54.40	66.98
1974	3	31	31	162.46	108.85	67.00	0.00	0.00	108.85	67.00
1974	4	30	30	196.44	131.61	67.00	0.00	0.00	131.61	67.00
1974	5	31	31	227.12	152.17	67.00	0.00	0.00	152.17	67.00
1974	6	30	28	40.24	26.96	67.00	0.00	0.00	26.96	67.00
1974	7	7	0	0.28	0.00	0.00	0.00	0.00	0.00	0.00
1974	8	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1974	9	0	0	1.02	0.00	0.00	0.00	0.00	0.00	0.00
1974	10	0	0	37.32	0.00	0.00	0.00	0.00	0.00	0.00
1974	11	0	0	70.58	0.00	0.00	0.00	0.00	0.00	0.00
1974	12	0	0	11.69	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
1975	1	0	0	70.82	0.00	0.00	0.00	0.00	0.00	0.00
1975	2	0	0	57.56	0.00	0.00	0.00	0.00	0.00	0.00
1975	3	0	0	116.07	0.00	0.00	0.00	0.00	0.00	0.00
1975	4	2	2	154.46	4.22	2.73	0.02	0.01	4.23	2.74
1975	5	31	11	99.41	25.87	26.02	0.05	0.05	25.92	26.07
1975	6	2	0	8.83	0.00	0.00	0.00	0.00	0.00	0.00
1975	7	0	0	2.86	0.00	0.00	0.00	0.00	0.00	0.00
1975	8	0	0	5.73	0.00	0.00	0.00	0.00	0.00	0.00
1975	9	0	0	2.18	0.00	0.00	0.00	0.00	0.00	0.00
1975	10	31	0	4.03	0.00	0.00	0.00	0.00	0.00	0.00
1975	11	30	3	41.37	0.66	1.58	0.01	0.03	0.67	1.61
1975	12	31	10	89.95	7.18	7.99	0.06	0.06	7.24	8.05

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1976	1	31	14	79.05	16.98	21.48	0.05	0.06	17.03	21.54
1976	2	29	25	79.23	51.83	65.42	0.00	0.00	51.83	65.42
1976	3	31	23	112.74	73.12	64.85	0.02	0.01	73.13	64.87
1976	4	30	30	196.40	131.59	67.00	0.00	0.00	131.59	67.00
1976	5	31	25	78.86	52.84	67.00	0.00	0.00	52.84	67.00
1976	6	7	0	11.58	0.00	0.00	0.00	0.00	0.00	0.00
1976	7	0	0	28.69	0.00	0.00	0.00	0.00	0.00	0.00
1976	8	0	0	2.20	0.00	0.00	0.00	0.00	0.00	0.00
1976	9	0	0	0.08	0.00	0.00	0.00	0.00	0.00	0.00
1976	10	31	24	78.26	39.28	50.19	0.08	0.11	39.36	50.30
1976	11	30	10	51.14	11.17	21.83	0.04	0.07	11.20	21.91
1976	12	31	0	26.94	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
1977	1	15	0	3.61	0.00	0.00	0.00	0.00	0.00	0.00
1977	2	0	0	37.22	0.00	0.00	0.00	0.00	0.00	0.00
1977	3	0	0	105.69	0.00	0.00	0.00	0.00	0.00	0.00
1977	4	25	21	206.34	63.99	31.01	0.10	0.05	64.09	31.06
1977	5	31	14	89.06	30.06	33.75	0.05	0.05	30.10	33.80
1977	6	6	1	69.53	0.98	1.41	0.00	0.00	0.98	1.41
1977	7	0	0	28.36	0.00	0.00	0.00	0.00	0.00	0.00
1977	8	0	0	9.65	0.00	0.00	0.00	0.00	0.00	0.00
1977	9	0	0	0.38	0.00	0.00	0.00	0.00	0.00	0.00
1977	10	31	25	77.20	50.90	65.93	0.00	0.01	50.91	65.94
1977	11	30	13	31.00	16.32	52.64	0.01	0.05	16.33	52.69
1977	12	31	0	0.02	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	1	19	0	7.71	0.00	0.00	0.00	0.00	0.00	0.00
1978	2	0	0	18.71	0.00	0.00	0.00	0.00	0.00	0.00
1978	3	0	0	43.87	0.00	0.00	0.00	0.00	0.00	0.00
1978	4	0	0	119.34	0.00	0.00	0.00	0.00	0.00	0.00
1978	5	0	0	27.56	0.00	0.00	0.00	0.00	0.00	0.00
1978	6	0	0	28.88	0.00	0.00	0.00	0.00	0.00	0.00
1978	7	0	0	2.40	0.00	0.00	0.00	0.00	0.00	0.00
1978	8	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1978	9	0	0	2.55	0.00	0.00	0.00	0.00	0.00	0.00
1978	10	0	0	11.74	0.00	0.00	0.00	0.00	0.00	0.00
1978	11	0	0	24.27	0.00	0.00	0.00	0.00	0.00	0.00
1978	12	0	0	21.89	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
1979	1	0	0	2.82	0.00	0.00	0.00	0.00	0.00	0.00
1979	2	0	0	46.43	0.00	0.00	0.00	0.00	0.00	0.00
1979	3	0	0	72.32	0.00	0.00	0.00	0.00	0.00	0.00
1979	4	0	0	134.18	0.00	0.00	0.00	0.00	0.00	0.00
1979	5	0	0	15.13	0.00	0.00	0.00	0.00	0.00	0.00
1979	6	0	0	210.01	0.00	0.00	6.79	3.23	6.79	3.23
1979	7	0	0	34.11	0.00	0.00	0.00	0.00	0.00	0.00
1979	8	0	0	11.40	0.00	0.00	0.00	0.00	0.00	0.00
1979	9	0	0	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1979	10	0	0	15.48	0.00	0.00	0.00	0.00	0.00	0.00
1979	11	0	0	4.99	0.00	0.00	0.00	0.00	0.00	0.00
1979	12	0	0	18.95	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	1	0	0	35.87	0.00	0.00	0.00	0.00	0.00	0.00
1980	2	0	0	11.94	0.00	0.00	0.00	0.00	0.00	0.00
1980	3	0	0	73.34	0.00	0.00	0.00	0.00	0.00	0.00
1980	4	0	0	10.87	0.00	0.00	0.00	0.00	0.00	0.00
1980	5	0	0	122.63	0.00	0.00	0.00	0.00	0.00	0.00
1980	6	0	0	170.70	0.00	0.00	0.48	0.28	0.48	0.28
1980	7	0	0	24.65	0.00	0.00	0.00	0.00	0.00	0.00
1980	8	0	0	8.13	0.00	0.00	0.00	0.00	0.00	0.00
1980	9	0	0	2.24	0.00	0.00	0.00	0.00	0.00	0.00
1980	10	0	0	74.13	0.00	0.00	0.00	0.00	0.00	0.00
1980	11	0	0	33.04	0.00	0.00	0.00	0.00	0.00	0.00
1980	12	0	0	30.93	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	1	0	0	58.56	0.00	0.00	0.00	0.00	0.00	0.00
1981	2	0	0	23.75	0.00	0.00	0.00	0.00	0.00	0.00
1981	3	0	0	84.35	0.00	0.00	0.00	0.00	0.00	0.00
1981	4	22	21	214.30	64.89	30.28	0.10	0.05	64.99	30.33
1981	5	31	31	266.58	166.59	62.49	0.08	0.03	166.67	62.52
1981	6	30	30	184.89	123.88	67.00	0.00	0.00	123.88	67.00
1981	7	31	30	111.95	75.01	67.00	0.00	0.00	75.01	67.00
1981	8	31	15	7.17	4.81	67.00	0.00	0.00	4.81	67.00
1981	9	30	0	1.14	0.00	0.00	0.00	0.00	0.00	0.00
1981	10	31	30	91.72	60.68	66.15	0.00	0.00	60.68	66.16
1981	11	30	15	45.66	26.16	57.30	0.04	0.09	26.20	57.38
1981	12	31	31	100.38	52.93	52.73	0.06	0.06	52.99	52.79

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1982	1	31	31	95.73	50.06	52.30	0.11	0.12	50.17	52.41
1982	2	28	28	45.55	30.52	67.00	0.00	0.00	30.52	67.00
1982	3	31	30	48.32	32.38	67.00	0.00	0.00	32.38	67.00
1982	4	30	30	38.48	25.78	67.00	0.00	0.00	25.78	67.00
1982	5	31	27	151.73	101.66	67.00	0.00	0.00	101.66	67.00
1982	6	20	9	25.43	16.22	63.78	0.00	0.01	16.22	63.78
1982	7	0	0	16.23	0.00	0.00	0.00	0.00	0.00	0.00
1982	8	0	0	9.26	0.00	0.00	0.00	0.00	0.00	0.00
1982	9	0	0	10.95	0.00	0.00	0.00	0.00	0.00	0.00
1982	10	0	0	23.86	0.00	0.00	0.00	0.00	0.00	0.00
1982	11	0	0	46.18	0.00	0.00	0.00	0.00	0.00	0.00
1982	12	0	0	63.42	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
1983	1	0	0	29.69	0.00	0.00	0.00	0.00	0.00	0.00
1983	2	0	0	1.69	0.00	0.00	0.00	0.00	0.00	0.00
1983	3	0	0	0.29	0.00	0.00	0.00	0.00	0.00	0.00
1983	4	0	0	49.83	0.00	0.00	0.00	0.00	0.00	0.00
1983	5	0	0	242.39	0.00	0.00	0.28	0.11	0.28	0.11
1983	6	0	0	16.02	0.00	0.00	0.00	0.00	0.00	0.00
1983	7	0	0	33.11	0.00	0.00	0.00	0.00	0.00	0.00
1983	8	0	0	5.36	0.00	0.00	0.00	0.00	0.00	0.00
1983	9	0	0	5.15	0.00	0.00	0.00	0.00	0.00	0.00
1983	10	0	0	1.11	0.00	0.00	0.00	0.00	0.00	0.00
1983	11	0	0	17.97	0.00	0.00	0.00	0.00	0.00	0.00
1983	12	0	0	26.26	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	1	0	0	36.15	0.00	0.00	0.00	0.00	0.00	0.00
1984	2	0	0	25.84	0.00	0.00	0.00	0.00	0.00	0.00
1984	3	0	0	17.90	0.00	0.00	0.00	0.00	0.00	0.00
1984	4	0	0	48.10	0.00	0.00	0.00	0.00	0.00	0.00
1984	5	0	0	158.54	0.00	0.00	0.00	0.00	0.00	0.00
1984	6	0	0	67.98	0.00	0.00	0.00	0.00	0.00	0.00
1984	7	0	0	3.16	0.00	0.00	0.00	0.00	0.00	0.00
1984	8	0	0	17.93	0.00	0.00	0.00	0.00	0.00	0.00
1984	9	0	0	24.35	0.00	0.00	0.00	0.00	0.00	0.00
1984	10	0	0	73.78	0.00	0.00	0.00	0.00	0.00	0.00
1984	11	0	0	59.83	0.00	0.00	0.00	0.00	0.00	0.00
1984	12	0	0	62.15	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	1	0	0	62.97	0.00	0.00	0.00	0.00	0.00	0.00
1985	2	0	0	74.49	0.00	0.00	0.00	0.00	0.00	0.00
1985	3	0	0	100.50	0.00	0.00	0.00	0.00	0.00	0.00
1985	4	0	0	34.37	0.00	0.00	0.00	0.00	0.00	0.00
1985	5	0	0	128.42	0.00	0.00	0.01	0.00	0.01	0.00
1985	6	0	0	117.87	0.00	0.00	5.29	4.49	5.29	4.49
1985	7	0	0	7.02	0.00	0.00	0.00	0.00	0.00	0.00
1985	8	0	0	5.09	0.00	0.00	0.00	0.00	0.00	0.00
1985	9	0	0	0.20	0.00	0.00	0.00	0.00	0.00	0.00
1985	10	31	0	10.03	0.00	0.00	0.00	0.00	0.00	0.00
1985	11	30	7	41.82	8.12	19.41	0.01	0.02	8.13	19.43
1985	12	30	2	30.74	0.47	1.52	0.01	0.02	0.47	1.54

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1986	1	3	0	25.27	0.00	0.00	0.00	0.00	0.00	0.00
1986	2	0	0	46.38	0.00	0.00	0.00	0.00	0.00	0.00
1986	3	0	0	15.89	0.00	0.00	0.00	0.00	0.00	0.00
1986	4	0	0	163.73	0.00	0.00	0.00	0.00	0.00	0.00
1986	5	28	21	176.49	67.23	38.09	0.06	0.04	67.29	38.13
1986	6	17	12	49.15	32.22	65.56	0.01	0.01	32.23	65.57
1986	7	0	0	8.67	0.00	0.00	0.00	0.00	0.00	0.00
1986	8	0	0	0.49	0.00	0.00	0.00	0.00	0.00	0.00
1986	9	0	0	12.53	0.00	0.00	0.00	0.00	0.00	0.00
1986	10	0	0	37.98	0.00	0.00	0.00	0.00	0.00	0.00
1986	11	0	0	29.03	0.00	0.00	0.00	0.00	0.00	0.00
1986	12	0	0	45.29	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
1987	1	0	0	19.32	0.00	0.00	0.00	0.00	0.00	0.00
1987	2	0	0	18.03	0.00	0.00	0.00	0.00	0.00	0.00
1987	3	0	0	16.69	0.00	0.00	0.00	0.00	0.00	0.00
1987	4	0	0	101.70	0.00	0.00	0.00	0.00	0.00	0.00
1987	5	0	0	165.33	0.00	0.00	0.00	0.00	0.00	0.00
1987	6	0	0	148.73	0.00	0.00	0.59	0.40	0.59	0.40
1987	7	0	0	26.33	0.00	0.00	0.00	0.00	0.00	0.00
1987	8	0	0	54.14	0.00	0.00	0.00	0.00	0.00	0.00
1987	9	0	0	15.58	0.00	0.00	0.00	0.00	0.00	0.00
1987	10	31	11	28.71	12.70	44.23	0.02	0.07	12.72	44.30
1987	11	6	0	1.74	0.00	0.00	0.00	0.00	0.00	0.00
1987	12	0	0	42.35	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	1	0	0	14.09	0.00	0.00	0.00	0.00	0.00	0.00
1988	2	0	0	17.10	0.00	0.00	0.00	0.00	0.00	0.00
1988	3	0	0	27.07	0.00	0.00	0.00	0.00	0.00	0.00
1988	4	0	0	146.94	0.00	0.00	0.00	0.00	0.00	0.00
1988	5	0	0	137.59	0.00	0.00	0.00	0.00	0.00	0.00
1988	6	0	0	54.22	0.00	0.00	0.00	0.00	0.00	0.00
1988	7	0	0	5.68	0.00	0.00	0.00	0.00	0.00	0.00
1988	8	0	0	1.16	0.00	0.00	0.00	0.00	0.00	0.00
1988	9	0	0	55.72	0.00	0.00	0.00	0.00	0.00	0.00
1988	10	0	0	145.15	0.00	0.00	0.00	0.00	0.00	0.00
1988	11	0	0	41.20	0.00	0.00	0.00	0.00	0.00	0.00
1988	12	0	0	61.21	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	1	0	0	75.68	0.00	0.00	0.00	0.00	0.00	0.00
1989	2	26	25	105.94	50.30	47.48	0.04	0.04	50.34	47.52
1989	3	31	12	67.49	23.84	35.32	0.05	0.08	23.90	35.41
1989	4	30	9	94.35	14.23	15.09	0.03	0.03	14.26	15.12
1989	5	31	22	190.55	87.88	46.12	0.16	0.08	88.04	46.20
1989	6	30	30	211.14	141.47	67.00	0.00	0.00	141.47	67.00
1989	7	31	31	82.92	55.56	67.00	0.00	0.00	55.56	67.00
1989	8	31	23	22.42	15.02	67.00	0.00	0.00	15.02	67.00
1989	9	25	1	2.82	0.02	0.59	0.00	0.00	0.02	0.59
1989	10	31	12	18.23	7.06	38.74	0.02	0.13	7.08	38.86
1989	11	30	29	99.41	64.62	65.01	0.02	0.02	64.64	65.02
1989	12	31	20	68.90	28.85	41.87	0.06	0.09	28.91	41.96

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1990	1	31	19	58.98	22.18	37.60	0.06	0.11	22.24	37.71
1990	2	28	21	34.22	22.27	65.08	0.00	0.00	22.27	65.08
1990	3	31	31	109.70	73.03	66.58	0.00	0.00	73.04	66.58
1990	4	30	30	148.41	99.44	67.00	0.00	0.00	99.44	67.00
1990	5	31	31	149.06	99.87	67.00	0.00	0.00	99.87	67.00
1990	6	30	26	84.30	56.48	67.00	0.00	0.00	56.48	67.00
1990	7	31	26	15.60	10.45	67.00	0.00	0.00	10.45	67.00
1990	8	19	11	7.85	5.25	66.86	0.00	0.00	5.25	66.86
1990	9	0	0	19.35	0.00	0.00	0.00	0.00	0.00	0.00
1990	10	31	10	22.47	4.31	19.19	0.02	0.08	4.33	19.28
1990	11	30	29	100.18	52.54	52.44	0.07	0.07	52.61	52.52
1990	12	31	28	117.02	62.22	53.17	0.06	0.05	62.29	53.23

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1991	1	31	11	30.88	11.88	38.46	0.01	0.03	11.89	38.49
1991	2	28	24	51.49	31.91	61.98	0.02	0.03	31.93	62.01
1991	3	31	19	77.06	48.62	63.10	0.01	0.01	48.63	63.11
1991	4	11	0	10.65	0.00	0.00	0.00	0.00	0.00	0.00
1991	5	0	0	82.71	0.00	0.00	0.17	0.20	0.17	0.20
1991	6	0	0	21.90	0.00	0.00	0.00	0.00	0.00	0.00
1991	7	0	0	0.02	0.00	0.00	0.00	0.00	0.00	0.00
1991	8	0	0	6.35	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	0	0	2.40	0.00	0.00	0.00	0.00	0.00	0.00
1991	10	0	0	7.38	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	0	0	35.25	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	0	0	38.78	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	1	0	0	36.77	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	0	0	24.27	0.00	0.00	0.00	0.00	0.00	0.00
1992	3	0	0	36.02	0.00	0.00	0.00	0.00	0.00	0.00
1992	4	0	0	11.30	0.00	0.00	0.00	0.00	0.00	0.00
1992	5	0	0	238.21	0.00	0.00	0.05	0.02	0.05	0.02
1992	6	0	0	21.12	0.00	0.00	0.00	0.00	0.00	0.00
1992	7	0	0	38.10	0.00	0.00	0.00	0.00	0.00	0.00
1992	8	0	0	7.99	0.00	0.00	0.00	0.00	0.00	0.00
1992	9	0	0	1.33	0.00	0.00	0.00	0.00	0.00	0.00
1992	10	0	0	64.98	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0	0	37.44	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	0	0	65.98	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
1993	1	0	0	2.33	0.00	0.00	0.00	0.00	0.00	0.00
1993	2	0	0	13.17	0.00	0.00	0.00	0.00	0.00	0.00
1993	3	0	0	20.84	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0	0	44.58	0.00	0.00	0.00	0.00	0.00	0.00
1993	5	0	0	246.87	0.00	0.00	0.25	0.10	0.25	0.10
1993	6	0	0	78.52	0.00	0.00	0.19	0.25	0.19	0.25
1993	7	0	0	79.75	0.00	0.00	0.00	0.00	0.00	0.00
1993	8	0	0	73.58	0.00	0.00	0.00	0.00	0.00	0.00
1993	9	0	0	3.33	0.00	0.00	0.00	0.00	0.00	0.00
1993	10	0	0	5.04	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	0	0	43.62	0.00	0.00	0.00	0.00	0.00	0.00
1993	12	0	0	59.81	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	1	0	0	8.40	0.00	0.00	0.00	0.00	0.00	0.00
1994	2	0	0	11.18	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0	0	48.08	0.00	0.00	0.00	0.00	0.00	0.00
1994	4	0	0	61.55	0.00	0.00	0.00	0.00	0.00	0.00
1994	5	0	0	124.06	0.00	0.00	0.00	0.00	0.00	0.00
1994	6	0	0	8.01	0.00	0.00	0.00	0.00	0.00	0.00
1994	7	0	0	28.58	0.00	0.00	0.00	0.00	0.00	0.00
1994	8	0	0	0.10	0.00	0.00	0.00	0.00	0.00	0.00
1994	9	0	0	0.04	0.00	0.00	0.00	0.00	0.00	0.00
1994	10	0	0	11.86	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	0	0	8.90	0.00	0.00	0.00	0.00	0.00	0.00
1994	12	0	0	4.76	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	1	0	0	9.64	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	0	0	6.97	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	0	0	44.05	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0	0	104.21	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0	0	108.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	6	0	0	31.91	0.00	0.00	0.00	0.00	0.00	0.00
1995	7	0	0	21.10	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	0	0	9.82	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	0	0	4.76	0.00	0.00	0.00	0.00	0.00	0.00
1995	10	0	0	6.95	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	0	0	52.53	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	0	0	39.49	0.00	0.00	0.00	0.00	0.00	0.00

Annual Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − 2020 BASE COND REV

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

Year	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1965	7	0	693.48	0.00	0.00	2.41	0.35	2.41	0.35
1966	0	0	373.68	0.00	0.00	0.00	0.00	0.00	0.00
1967	80	9	775.38	1.87	0.24	2.12	0.27	3.98	0.51
1968	157	93	577.73	246.92	42.74	0.01	0.00	246.93	42.74
1969	0	0	245.29	0.00	0.00	0.00	0.00	0.00	0.00
1970	0	0	574.58	0.00	0.00	0.00	0.00	0.00	0.00
1971	108	26	764.80	63.27	8.27	0.08	0.01	63.36	8.28
1972	198	95	572.01	192.84	33.71	1.09	0.19	193.93	33.90
1973	306	179	581.71	301.31	51.80	0.09	0.02	301.40	51.81
1974	188	155	865.38	477.99	55.23	0.01	0.00	478.00	55.24
1975	127	26	653.28	37.92	5.80	0.14	0.02	38.06	5.83
1976	251	151	745.18	376.80	50.56	0.19	0.03	376.98	50.59
1977	169	74	658.05	162.25	24.66	0.17	0.03	162.42	24.68
1978	19	0	309.98	0.00	0.00	0.00	0.00	0.00	0.00
1979	0	0	565.83	0.00	0.00	6.79	1.20	6.79	1.20
1980	0	0	598.46	0.00	0.00	0.48	0.08	0.48	0.08
1981	267	203	1190.46	574.94	48.30	0.28	0.02	575.22	48.32
1982	171	155	575.13	256.62	44.62	0.12	0.02	256.73	44.64
1983	0	0	428.88	0.00	0.00	0.28	0.06	0.28	0.06
1984	0	0	595.70	0.00	0.00	0.00	0.00	0.00	0.00
1985	91	9	613.53	8.58	1.40	5.31	0.87	13.90	2.26
1986	48	33	610.92	99.45	16.28	0.07	0.01	99.52	16.29
1987	37	11	638.65	12.70	1.99	0.61	0.10	13.31	2.08
1988	0	0	707.13	0.00	0.00	0.00	0.00	0.00	0.00
1989	327	214	1039.86	488.86	47.01	0.39	0.04	489.24	47.05
1990	323	262	867.15	508.05	58.59	0.22	0.03	508.27	58.61
1991	101	54	364.87	92.41	25.33	0.20	0.06	92.61	25.38
1992	0	0	583.51	0.00	0.00	0.05	0.01	0.05	0.01
1993	0	0	671.44	0.00	0.00	0.44	0.07	0.44	0.07
1994	0	0	315.53	0.00	0.00	0.00	0.00	0.00	0.00
1995	0	0	439.44	0.00	0.00	0.00	0.00	0.00	0.00

Monthly Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − 2020wRES_ESTUARY (LEC2020 Plan)

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	1	0	0	44.77	0.00	0.00	0.00	0.00	0.00	0.00
1965	2	0	0	24.61	0.00	0.00	0.00	0.00	0.00	0.00
1965	3	0	0	21.53	0.00	0.00	0.00	0.00	0.00	0.00
1965	4	0	0	76.00	0.00	0.00	0.00	0.00	0.00	0.00
1965	5	0	0	183.33	0.00	0.00	0.21	0.12	0.21	0.12
1965	6	0	0	56.95	0.00	0.00	0.45	0.79	0.45	0.79
1965	7	0	0	13.75	0.00	0.00	0.00	0.00	0.00	0.00
1965	8	0	0	6.24	0.00	0.00	0.00	0.00	0.00	0.00
1965	9	0	0	4.54	0.00	0.00	0.00	0.00	0.00	0.00
1965	10	2	0	4.77	0.00	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	27.95	0.00	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	25.76	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	1	0	0	6.87	0.00	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	13.88	0.00	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	29.56	0.00	0.00	0.00	0.00	0.00	0.00
1966	4	0	0	37.18	0.00	0.00	0.00	0.00	0.00	0.00
1966	5	0	0	27.71	0.00	0.00	0.00	0.00	0.00	0.00
1966	6	0	0	5.49	0.00	0.00	0.00	0.00	0.00	0.00
1966	7	0	0	5.99	0.00	0.00	0.00	0.00	0.00	0.00
1966	8	0	0	6.27	0.00	0.00	0.00	0.00	0.00	0.00
1966	9	0	0	5.03	0.00	0.00	0.00	0.00	0.00	0.00
1966	10	0	0	10.80	0.00	0.00	0.00	0.00	0.00	0.00
1966	11	0	0	49.19	0.00	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	21.65	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	1	0	0	19.93	0.00	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	10.98	0.00	0.00	0.00	0.00	0.00	0.00
1967	3	0	0	64.41	0.00	0.00	0.00	0.00	0.00	0.00
1967	4	0	0	193.19	0.00	0.00	0.00	0.00	0.00	0.00
1967	5	0	0	217.80	0.00	0.00	0.68	0.31	0.68	0.31
1967	6	0	0	14.85	0.00	0.00	0.00	0.00	0.00	0.00
1967	7	0	0	9.55	0.00	0.00	0.00	0.00	0.00	0.00
1967	8	0	0	6.81	0.00	0.00	0.00	0.00	0.00	0.00
1967	9	0	0	6.83	0.00	0.00	0.00	0.00	0.00	0.00
1967	10	13	0	5.46	0.00	0.00	0.00	0.00	0.00	0.00
1967	11	0	0	34.45	0.00	0.00	0.00	0.00	0.00	0.00
1967	12	0	0	17.33	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
1968	1	0	0	27.35	0.00	0.00	0.00	0.00	0.00	0.00
1968	2	0	0	21.95	0.00	0.00	0.00	0.00	0.00	0.00
1968	3	0	0	47.82	0.00	0.00	0.00	0.00	0.00	0.00
1968	4	0	0	139.38	0.00	0.00	0.00	0.00	0.00	0.00
1968	5	0	0	33.03	0.00	0.00	0.00	0.00	0.00	0.00
1968	6	0	0	4.94	0.00	0.00	0.00	0.00	0.00	0.00
1968	7	0	0	16.97	0.00	0.00	0.00	0.00	0.00	0.00
1968	8	0	0	9.34	0.00	0.00	0.00	0.00	0.00	0.00
1968	9	0	0	5.67	0.00	0.00	0.00	0.00	0.00	0.00
1968	10	0	0	4.38	0.00	0.00	0.00	0.00	0.00	0.00
1968	11	0	0	14.58	0.00	0.00	0.00	0.00	0.00	0.00
1968	12	0	0	33.07	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	1	0	0	11.19	0.00	0.00	0.00	0.00	0.00	0.00
1969	2	0	0	15.84	0.00	0.00	0.00	0.00	0.00	0.00
1969	3	0	0	5.95	0.00	0.00	0.00	0.00	0.00	0.00
1969	4	0	0	39.85	0.00	0.00	0.00	0.00	0.00	0.00
1969	5	0	0	24.32	0.00	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	17.62	0.00	0.00	0.00	0.00	0.00	0.00
1969	7	0	0	11.47	0.00	0.00	0.00	0.00	0.00	0.00
1969	8	0	0	6.16	0.00	0.00	0.00	0.00	0.00	0.00
1969	9	0	0	4.01	0.00	0.00	0.00	0.00	0.00	0.00
1969	10	0	0	7.49	0.00	0.00	0.00	0.00	0.00	0.00
1969	11	0	0	5.17	0.00	0.00	0.00	0.00	0.00	0.00
1969	12	0	0	9.12	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
1970	1	0	0	6.04	0.00	0.00	0.00	0.00	0.00	0.00
1970	2	0	0	11.46	0.00	0.00	0.00	0.00	0.00	0.00
1970	3	0	0	8.14	0.00	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	49.09	0.00	0.00	0.00	0.00	0.00	0.00
1970	5	0	0	96.47	0.00	0.00	0.00	0.00	0.00	0.00
1970	6	0	0	9.33	0.00	0.00	0.00	0.00	0.00	0.00
1970	7	0	0	9.11	0.00	0.00	0.00	0.00	0.00	0.00
1970	8	0	0	6.57	0.00	0.00	0.00	0.00	0.00	0.00
1970	9	0	0	7.64	0.00	0.00	0.00	0.00	0.00	0.00
1970	10	0	0	11.16	0.00	0.00	0.00	0.00	0.00	0.00
1970	11	0	0	38.88	0.00	0.00	0.00	0.00	0.00	0.00
1970	12	0	0	51.71	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
1971	1	0	0	46.52	0.00	0.00	0.00	0.00	0.00	0.00
1971	2	0	0	42.38	0.00	0.00	0.00	0.00	0.00	0.00
1971	3	0	0	110.64	0.00	0.00	0.00	0.00	0.00	0.00
1971	4	0	0	202.81	0.00	0.00	0.00	0.00	0.00	0.00
1971	5	0	0	104.70	0.00	0.00	0.00	0.00	0.00	0.00
1971	6	0	0	26.57	0.00	0.00	0.00	0.00	0.00	0.00
1971	7	0	0	7.27	0.00	0.00	0.00	0.00	0.00	0.00
1971	8	0	0	7.03	0.00	0.00	0.00	0.00	0.00	0.00
1971	9	0	0	9.81	0.00	0.00	0.00	0.00	0.00	0.00
1971	10	0	0	7.84	0.00	0.00	0.00	0.00	0.00	0.00
1971	11	0	0	17.62	0.00	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	32.06	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
1972	1	0	0	24.24	0.00	0.00	0.00	0.00	0.00	0.00
1972	2	0	0	15.96	0.00	0.00	0.00	0.00	0.00	0.00
1972	3	0	0	64.45	0.00	0.00	0.00	0.00	0.00	0.00
1972	4	0	0	54.43	0.00	0.00	0.00	0.00	0.00	0.00
1972	5	0	0	23.69	0.00	0.00	0.00	0.00	0.00	0.00
1972	6	0	0	22.16	0.00	0.00	0.93	4.18	0.93	4.18
1972	7	0	0	13.44	0.00	0.00	0.00	0.00	0.00	0.00
1972	8	0	0	15.76	0.00	0.00	0.00	0.00	0.00	0.00
1972	9	0	0	15.50	0.00	0.00	0.00	0.00	0.00	0.00
1972	10	2	0	37.27	0.00	0.00	0.00	0.00	0.00	0.00
1972	11	0	0	27.64	0.00	0.00	0.00	0.00	0.00	0.00
1972	12	0	0	10.16	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	1	0	0	6.50	0.00	0.00	0.00	0.00	0.00	0.00
1973	2	0	0	4.92	0.00	0.00	0.00	0.00	0.00	0.00
1973	3	0	0	22.09	0.00	0.00	0.00	0.00	0.00	0.00
1973	4	0	0	62.40	0.00	0.00	0.00	0.00	0.00	0.00
1973	5	0	0	114.60	0.00	0.00	0.00	0.00	0.00	0.00
1973	6	0	0	18.56	0.00	0.00	0.00	0.00	0.00	0.00
1973	7	0	0	6.21	0.00	0.00	0.00	0.00	0.00	0.00
1973	8	0	0	6.04	0.00	0.00	0.00	0.00	0.00	0.00
1973	9	0	0	4.21	0.00	0.00	0.00	0.00	0.00	0.00
1973	10	0	0	13.96	0.00	0.00	0.00	0.00	0.00	0.00
1973	11	0	0	37.73	0.00	0.00	0.00	0.00	0.00	0.00
1973	12	0	0	13.61	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	1	0	0	18.36	0.00	0.00	0.00	0.00	0.00	0.00
1974	2	0	0	45.65	0.00	0.00	0.00	0.00	0.00	0.00
1974	3	0	0	124.87	0.00	0.00	0.00	0.00	0.00	0.00
1974	4	0	0	142.13	0.00	0.00	0.00	0.00	0.00	0.00
1974	5	27	11	132.08	16.33	12.36	0.04	0.03	16.37	12.39
1974	6	27	16	13.60	3.66	26.94	0.02	0.11	3.68	27.06
1974	7	0	0	5.92	0.00	0.00	0.00	0.00	0.00	0.00
1974	8	0	0	6.00	0.00	0.00	0.00	0.00	0.00	0.00
1974	9	0	0	4.04	0.00	0.00	0.00	0.00	0.00	0.00
1974	10	0	0	13.59	0.00	0.00	0.00	0.00	0.00	0.00
1974	11	0	0	36.77	0.00	0.00	0.00	0.00	0.00	0.00
1974	12	0	0	7.72	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
1975	1	0	0	34.52	0.00	0.00	0.00	0.00	0.00	0.00
1975	2	0	0	34.58	0.00	0.00	0.00	0.00	0.00	0.00
1975	3	0	0	103.77	0.00	0.00	0.00	0.00	0.00	0.00
1975	4	0	0	143.79	0.00	0.00	0.00	0.00	0.00	0.00
1975	5	0	0	81.38	0.00	0.00	0.00	0.00	0.00	0.00
1975	6	0	0	10.50	0.00	0.00	0.00	0.00	0.00	0.00
1975	7	0	0	6.57	0.00	0.00	0.00	0.00	0.00	0.00
1975	8	0	0	8.61	0.00	0.00	0.00	0.00	0.00	0.00
1975	9	0	0	5.08	0.00	0.00	0.00	0.00	0.00	0.00
1975	10	0	0	5.16	0.00	0.00	0.00	0.00	0.00	0.00
1975	11	0	0	16.97	0.00	0.00	0.00	0.00	0.00	0.00
1975	12	0	0	44.56	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	1	0	0	46.91	0.00	0.00	0.00	0.00	0.00	0.00
1976	2	0	0	52.00	0.00	0.00	0.00	0.00	0.00	0.00
1976	3	0	0	66.97	0.00	0.00	0.00	0.00	0.00	0.00
1976	4	0	0	147.74	0.00	0.00	0.00	0.00	0.00	0.00
1976	5	0	0	27.28	0.00	0.00	0.00	0.00	0.00	0.00
1976	6	0	0	7.62	0.00	0.00	0.00	0.00	0.00	0.00
1976	7	0	0	20.03	0.00	0.00	0.00	0.00	0.00	0.00
1976	8	0	0	7.62	0.00	0.00	0.00	0.00	0.00	0.00
1976	9	0	0	4.01	0.00	0.00	0.00	0.00	0.00	0.00
1976	10	0	0	37.46	0.00	0.00	0.00	0.00	0.00	0.00
1976	11	0	0	20.85	0.00	0.00	0.00	0.00	0.00	0.00
1976	12	0	0	9.25	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	1	0	0	2.66	0.00	0.00	0.00	0.00	0.00	0.00
1977	2	0	0	12.83	0.00	0.00	0.00	0.00	0.00	0.00
1977	3	0	0	67.62	0.00	0.00	0.00	0.00	0.00	0.00
1977	4	0	0	174.56	0.00	0.00	0.00	0.00	0.00	0.00
1977	5	0	0	65.79	0.00	0.00	0.00	0.00	0.00	0.00
1977	6	0	0	36.72	0.00	0.00	0.00	0.00	0.00	0.00
1977	7	0	0	23.35	0.00	0.00	0.00	0.00	0.00	0.00
1977	8	0	0	12.27	0.00	0.00	0.00	0.00	0.00	0.00
1977	9	0	0	4.00	0.00	0.00	0.00	0.00	0.00	0.00
1977	10	31	19	38.50	12.35	32.07	0.01	0.03	12.36	32.10
1977	11	30	1	21.03	0.18	0.87	0.00	0.00	0.18	0.88
1977	12	7	0	2.48	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	1	0	0	4.32	0.00	0.00	0.00	0.00	0.00	0.00
1978	2	0	0	8.40	0.00	0.00	0.00	0.00	0.00	0.00
1978	3	0	0	19.38	0.00	0.00	0.00	0.00	0.00	0.00
1978	4	0	0	59.72	0.00	0.00	0.00	0.00	0.00	0.00
1978	5	0	0	17.88	0.00	0.00	0.00	0.00	0.00	0.00
1978	6	0	0	18.48	0.00	0.00	0.00	0.00	0.00	0.00
1978	7	0	0	8.03	0.00	0.00	0.00	0.00	0.00	0.00
1978	8	0	0	6.00	0.00	0.00	0.00	0.00	0.00	0.00
1978	9	0	0	4.25	0.00	0.00	0.00	0.00	0.00	0.00
1978	10	0	0	7.89	0.00	0.00	0.00	0.00	0.00	0.00
1978	11	0	0	13.82	0.00	0.00	0.00	0.00	0.00	0.00
1978	12	0	0	9.93	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
1979	1	0	0	4.52	0.00	0.00	0.00	0.00	0.00	0.00
1979	2	0	0	19.53	0.00	0.00	0.00	0.00	0.00	0.00
1979	3	0	0	34.61	0.00	0.00	0.00	0.00	0.00	0.00
1979	4	0	0	93.11	0.00	0.00	0.00	0.00	0.00	0.00
1979	5	0	0	10.07	0.00	0.00	0.00	0.00	0.00	0.00
1979	6	0	0	166.54	0.00	0.00	2.21	1.33	2.21	1.33
1979	7	0	0	29.30	0.00	0.00	0.00	0.00	0.00	0.00
1979	8	0	0	17.12	0.00	0.00	0.00	0.00	0.00	0.00
1979	9	0	0	4.00	0.00	0.00	0.00	0.00	0.00	0.00
1979	10	0	0	10.27	0.00	0.00	0.00	0.00	0.00	0.00
1979	11	0	0	6.30	0.00	0.00	0.00	0.00	0.00	0.00
1979	12	0	0	9.73	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	1	0	0	13.36	0.00	0.00	0.00	0.00	0.00	0.00
1980	2	0	0	5.81	0.00	0.00	0.00	0.00	0.00	0.00
1980	3	0	0	36.25	0.00	0.00	0.00	0.00	0.00	0.00
1980	4	0	0	11.44	0.00	0.00	0.00	0.00	0.00	0.00
1980	5	0	0	66.74	0.00	0.00	0.00	0.00	0.00	0.00
1980	6	0	0	122.22	0.00	0.00	0.39	0.32	0.39	0.32
1980	7	0	0	21.52	0.00	0.00	0.00	0.00	0.00	0.00
1980	8	0	0	11.79	0.00	0.00	0.00	0.00	0.00	0.00
1980	9	0	0	4.07	0.00	0.00	0.00	0.00	0.00	0.00
1980	10	0	0	40.80	0.00	0.00	0.00	0.00	0.00	0.00
1980	11	0	0	19.20	0.00	0.00	0.00	0.00	0.00	0.00
1980	12	0	0	16.99	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
1981	1	0	0	33.28	0.00	0.00	0.00	0.00	0.00	0.00
1981	2	0	0	18.73	0.00	0.00	0.00	0.00	0.00	0.00
1981	3	15	3	72.98	6.55	8.98	0.00	0.00	6.56	8.98
1981	4	30	29	199.81	85.93	43.01	0.12	0.06	86.05	43.07
1981	5	31	31	243.52	163.16	67.00	0.00	0.00	163.16	67.00
1981	6	30	30	179.88	120.52	67.00	0.00	0.00	120.52	67.00
1981	7	31	31	113.29	75.90	67.00	0.00	0.00	75.90	67.00
1981	8	31	31	13.48	9.03	67.00	0.00	0.00	9.03	67.00
1981	9	30	30	4.22	2.82	67.00	0.00	0.00	2.82	67.00
1981	10	31	28	34.53	16.47	47.69	0.02	0.04	16.48	47.73
1981	11	30	13	23.16	5.33	23.00	0.01	0.05	5.34	23.05
1981	12	31	11	46.42	6.48	13.96	0.01	0.02	6.49	13.98

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1982	1	31	15	48.62	13.78	28.34	0.01	0.03	13.79	28.37
1982	2	28	28	18.86	12.64	67.00	0.00	0.00	12.64	67.00
1982	3	31	31	36.83	24.67	67.00	0.00	0.00	24.67	67.00
1982	4	30	30	42.40	28.41	67.00	0.00	0.00	28.41	67.00
1982	5	31	31	141.27	94.65	67.00	0.00	0.00	94.65	67.00
1982	6	24	21	15.72	9.48	60.31	0.00	0.00	9.48	60.31
1982	7	0	0	9.57	0.00	0.00	0.00	0.00	0.00	0.00
1982	8	0	0	8.26	0.00	0.00	0.00	0.00	0.00	0.00
1982	9	0	0	5.91	0.00	0.00	0.00	0.00	0.00	0.00
1982	10	0	0	11.96	0.00	0.00	0.00	0.00	0.00	0.00
1982	11	0	0	19.58	0.00	0.00	0.00	0.00	0.00	0.00
1982	12	0	0	29.99	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
1983	1	0	0	17.80	0.00	0.00	0.00	0.00	0.00	0.00
1983	2	0	0	2.45	0.00	0.00	0.00	0.00	0.00	0.00
1983	3	0	0	4.13	0.00	0.00	0.00	0.00	0.00	0.00
1983	4	0	0	26.45	0.00	0.00	0.00	0.00	0.00	0.00
1983	5	0	0	145.72	0.00	0.00	0.10	0.07	0.10	0.07
1983	6	0	0	9.83	0.00	0.00	0.00	0.00	0.00	0.00
1983	7	0	0	18.49	0.00	0.00	0.00	0.00	0.00	0.00
1983	8	0	0	6.88	0.00	0.00	0.00	0.00	0.00	0.00
1983	9	0	0	5.15	0.00	0.00	0.00	0.00	0.00	0.00
1983	10	0	0	4.44	0.00	0.00	0.00	0.00	0.00	0.00
1983	11	0	0	9.54	0.00	0.00	0.00	0.00	0.00	0.00
1983	12	0	0	13.20	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	1	0	0	14.86	0.00	0.00	0.00	0.00	0.00	0.00
1984	2	0	0	11.83	0.00	0.00	0.00	0.00	0.00	0.00
1984	3	0	0	7.82	0.00	0.00	0.00	0.00	0.00	0.00
1984	4	0	0	21.30	0.00	0.00	0.00	0.00	0.00	0.00
1984	5	0	0	101.29	0.00	0.00	0.00	0.00	0.00	0.00
1984	6	0	0	29.61	0.00	0.00	0.00	0.00	0.00	0.00
1984	7	0	0	7.28	0.00	0.00	0.00	0.00	0.00	0.00
1984	8	0	0	14.23	0.00	0.00	0.00	0.00	0.00	0.00
1984	9	0	0	9.64	0.00	0.00	0.00	0.00	0.00	0.00
1984	10	0	0	38.55	0.00	0.00	0.00	0.00	0.00	0.00
1984	11	0	0	29.63	0.00	0.00	0.00	0.00	0.00	0.00
1984	12	0	0	28.46	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
1985	1	0	0	37.98	0.00	0.00	0.00	0.00	0.00	0.00
1985	2	0	0	62.28	0.00	0.00	0.00	0.00	0.00	0.00
1985	3	0	0	92.44	0.00	0.00	0.00	0.00	0.00	0.00
1985	4	0	0	29.90	0.00	0.00	0.00	0.00	0.00	0.00
1985	5	0	0	107.90	0.00	0.00	0.00	0.00	0.00	0.00
1985	6	0	0	104.41	0.00	0.00	1.41	1.35	1.41	1.35
1985	7	0	0	9.93	0.00	0.00	0.00	0.00	0.00	0.00
1985	8	0	0	7.37	0.00	0.00	0.00	0.00	0.00	0.00
1985	9	0	0	4.00	0.00	0.00	0.00	0.00	0.00	0.00
1985	10	0	0	7.62	0.00	0.00	0.00	0.00	0.00	0.00
1985	11	0	0	26.58	0.00	0.00	0.00	0.00	0.00	0.00
1985	12	0	0	21.19	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
1986	1	0	0	13.57	0.00	0.00	0.00	0.00	0.00	0.00
1986	2	0	0	21.31	0.00	0.00	0.00	0.00	0.00	0.00
1986	3	0	0	7.75	0.00	0.00	0.00	0.00	0.00	0.00
1986	4	0	0	89.27	0.00	0.00	0.00	0.00	0.00	0.00
1986	5	0	0	125.59	0.00	0.00	0.00	0.00	0.00	0.00
1986	6	0	0	25.85	0.00	0.00	0.00	0.00	0.00	0.00
1986	7	0	0	8.41	0.00	0.00	0.00	0.00	0.00	0.00
1986	8	0	0	6.01	0.00	0.00	0.00	0.00	0.00	0.00
1986	9	0	0	7.46	0.00	0.00	0.00	0.00	0.00	0.00
1986	10	0	0	22.28	0.00	0.00	0.00	0.00	0.00	0.00
1986	11	0	0	11.82	0.00	0.00	0.00	0.00	0.00	0.00
1986	12	0	0	18.92	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
1987	1	0	0	7.82	0.00	0.00	0.00	0.00	0.00	0.00
1987	2	0	0	7.55	0.00	0.00	0.00	0.00	0.00	0.00
1987	3	0	0	9.03	0.00	0.00	0.00	0.00	0.00	0.00
1987	4	0	0	45.56	0.00	0.00	0.00	0.00	0.00	0.00
1987	5	0	0	110.75	0.00	0.00	0.00	0.00	0.00	0.00
1987	6	0	0	125.19	0.00	0.00	0.03	0.02	0.03	0.02
1987	7	0	0	15.48	0.00	0.00	0.00	0.00	0.00	0.00
1987	8	0	0	32.51	0.00	0.00	0.00	0.00	0.00	0.00
1987	9	0	0	11.09	0.00	0.00	0.00	0.00	0.00	0.00
1987	10	14	0	13.29	0.00	0.00	0.00	0.00	0.00	0.00
1987	11	0	0	3.94	0.00	0.00	0.00	0.00	0.00	0.00
1987	12	0	0	15.18	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
1988	1	0	0	7.27	0.00	0.00	0.00	0.00	0.00	0.00
1988	2	0	0	6.72	0.00	0.00	0.00	0.00	0.00	0.00
1988	3	0	0	12.57	0.00	0.00	0.00	0.00	0.00	0.00
1988	4	0	0	93.01	0.00	0.00	0.00	0.00	0.00	0.00
1988	5	0	0	116.84	0.00	0.00	0.00	0.00	0.00	0.00
1988	6	0	0	41.35	0.00	0.00	0.00	0.00	0.00	0.00
1988	7	0	0	7.99	0.00	0.00	0.00	0.00	0.00	0.00
1988	8	0	0	6.00	0.00	0.00	0.00	0.00	0.00	0.00
1988	9	0	0	27.64	0.00	0.00	0.00	0.00	0.00	0.00
1988	10	0	0	84.09	0.00	0.00	0.00	0.00	0.00	0.00
1988	11	0	0	24.72	0.00	0.00	0.00	0.00	0.00	0.00
1988	12	0	0	48.60	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	1	0	0	65.38	0.00	0.00	0.00	0.00	0.00	0.00
1989	2	0	0	90.60	0.00	0.00	0.00	0.00	0.00	0.00
1989	3	0	0	54.27	0.00	0.00	0.00	0.00	0.00	0.00
1989	4	0	0	77.81	0.00	0.00	0.00	0.00	0.00	0.00
1989	5	0	0	148.05	0.00	0.00	0.00	0.00	0.00	0.00
1989	6	0	0	141.14	0.00	0.00	2.31	1.64	2.31	1.64
1989	7	0	0	43.59	0.00	0.00	0.00	0.00	0.00	0.00
1989	8	0	0	7.42	0.00	0.00	0.00	0.00	0.00	0.00
1989	9	0	0	4.20	0.00	0.00	0.00	0.00	0.00	0.00
1989	10	31	0	8.07	0.00	0.00	0.00	0.00	0.00	0.00
1989	11	30	0	43.86	0.00	0.00	0.00	0.00	0.00	0.00
1989	12	31	0	28.42	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	1	31	0	19.28	0.00	0.00	0.00	0.00	0.00	0.00
1990	2	28	1	14.08	0.03	0.23	0.00	0.00	0.03	0.23
1990	3	31	18	84.08	27.52	32.73	0.05	0.06	27.57	32.79
1990	4	30	12	120.17	18.73	15.59	0.02	0.01	18.75	15.60
1990	5	31	19	85.36	31.90	37.37	0.01	0.01	31.91	37.38
1990	6	30	30	74.49	49.85	66.93	0.00	0.00	49.86	66.93
1990	7	29	23	14.50	7.01	48.33	0.00	0.02	7.01	48.36
1990	8	0	0	8.23	0.00	0.00	0.00	0.00	0.00	0.00
1990	9	0	0	11.58	0.00	0.00	0.00	0.00	0.00	0.00
1990	10	31	0	10.32	0.00	0.00	0.00	0.00	0.00	0.00
1990	11	30	6	43.57	2.62	6.01	0.00	0.01	2.62	6.02
1990	12	31	7	60.00	3.86	6.43	0.01	0.02	3.87	6.44

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1991	1	31	2	9.98	0.87	8.68	0.00	0.01	0.87	8.69
1991	2	28	3	20.30	3.81	18.76	0.00	0.00	3.81	18.77
1991	3	31	5	31.07	4.72	15.18	0.01	0.02	4.72	15.20
1991	4	6	0	7.47	0.00	0.00	0.00	0.00	0.00	0.00
1991	5	0	0	55.62	0.00	0.00	0.13	0.23	0.13	0.23
1991	6	0	0	18.89	0.00	0.00	0.00	0.00	0.00	0.00
1991	7	0	0	5.88	0.00	0.00	0.00	0.00	0.00	0.00
1991	8	0	0	8.01	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	0	0	4.61	0.00	0.00	0.00	0.00	0.00	0.00
1991	10	0	0	8.71	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	0	0	19.08	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	0	0	30.17	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
1992	1	0	0	27.60	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	0	0	12.72	0.00	0.00	0.00	0.00	0.00	0.00
1992	3	0	0	19.70	0.00	0.00	0.00	0.00	0.00	0.00
1992	4	0	0	11.09	0.00	0.00	0.00	0.00	0.00	0.00
1992	5	0	0	150.41	0.00	0.00	0.00	0.00	0.00	0.00
1992	6	0	0	23.87	0.00	0.00	0.00	0.00	0.00	0.00
1992	7	0	0	17.94	0.00	0.00	0.00	0.00	0.00	0.00
1992	8	0	0	10.30	0.00	0.00	0.00	0.00	0.00	0.00
1992	9	0	0	4.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	10	0	0	36.68	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0	0	30.69	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	0	0	41.01	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
1993	1	0	0	3.78	0.00	0.00	0.00	0.00	0.00	0.00
1993	2	0	0	6.89	0.00	0.00	0.00	0.00	0.00	0.00
1993	3	0	0	14.91	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0	0	24.19	0.00	0.00	0.00	0.00	0.00	0.00
1993	5	0	0	155.85	0.00	0.00	0.13	0.08	0.13	0.08
1993	6	0	0	52.31	0.00	0.00	0.15	0.29	0.15	0.29
1993	7	0	0	58.61	0.00	0.00	0.00	0.00	0.00	0.00
1993	8	0	0	65.37	0.00	0.00	0.00	0.00	0.00	0.00
1993	9	0	0	5.36	0.00	0.00	0.00	0.00	0.00	0.00
1993	10	0	0	6.12	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	0	0	22.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	12	0	0	37.76	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	1	0	0	7.40	0.00	0.00	0.00	0.00	0.00	0.00
1994	2	0	0	5.81	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0	0	27.72	0.00	0.00	0.00	0.00	0.00	0.00
1994	4	0	0	39.15	0.00	0.00	0.00	0.00	0.00	0.00
1994	5	0	0	74.55	0.00	0.00	0.00	0.00	0.00	0.00
1994	6	0	0	9.26	0.00	0.00	0.00	0.00	0.00	0.00
1994	7	0	0	13.06	0.00	0.00	0.00	0.00	0.00	0.00
1994	8	0	0	6.01	0.00	0.00	0.00	0.00	0.00	0.00
1994	9	0	0	4.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	10	0	0	12.15	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	0	0	9.87	0.00	0.00	0.00	0.00	0.00	0.00
1994	12	0	0	6.57	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	1	0	0	7.31	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	0	0	6.37	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	0	0	23.45	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0	0	60.69	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0	0	71.99	0.00	0.00	0.00	0.00	0.00	0.00
1995	6	0	0	29.89	0.00	0.00	0.00	0.00	0.00	0.00
1995	7	0	0	24.91	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	0	0	15.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	0	0	6.95	0.00	0.00	0.00	0.00	0.00	0.00
1995	10	0	0	8.84	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	0	0	16.21	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	0	0	19.66	0.00	0.00	0.00	0.00	0.00	0.00

Annual Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − 2020wRES_ESTUARY (LEC2020 Plan)

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

Year	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1965	2	0	490.20	0.00	0.00	0.66	0.14	0.66	0.14
1966	0	0	219.64	0.00	0.00	0.00	0.00	0.00	0.00
1967	13	0	601.61	0.00	0.00	0.68	0.11	0.68	0.11
1968	0	0	358.47	0.00	0.00	0.00	0.00	0.00	0.00
1969	0	0	158.19	0.00	0.00	0.00	0.00	0.00	0.00
1970	0	0	305.62	0.00	0.00	0.00	0.00	0.00	0.00
1971	0	0	615.26	0.00	0.00	0.00	0.00	0.00	0.00
1972	2	0	324.69	0.00	0.00	0.93	0.29	0.93	0.29
1973	0	0	310.83	0.00	0.00	0.00	0.00	0.00	0.00
1974	54	27	550.73	19.99	3.63	0.05	0.01	20.05	3.64
1975	0	0	495.49	0.00	0.00	0.00	0.00	0.00	0.00
1976	0	0	447.74	0.00	0.00	0.00	0.00	0.00	0.00
1977	68	20	461.80	12.53	2.71	0.01	0.00	12.54	2.72
1978	0	0	178.12	0.00	0.00	0.00	0.00	0.00	0.00
1979	0	0	405.11	0.00	0.00	2.21	0.55	2.21	0.55
1980	0	0	370.18	0.00	0.00	0.39	0.11	0.39	0.11
1981	290	237	983.31	492.21	50.06	0.16	0.02	492.37	50.07
1982	175	156	388.97	183.63	47.21	0.01	0.00	183.64	47.21
1983	0	0	264.08	0.00	0.00	0.10	0.04	0.10	0.04
1984	0	0	314.50	0.00	0.00	0.00	0.00	0.00	0.00
1985	0	0	511.60	0.00	0.00	1.41	0.27	1.41	0.27
1986	0	0	358.25	0.00	0.00	0.00	0.00	0.00	0.00
1987	14	0	397.40	0.00	0.00	0.03	0.01	0.03	0.01
1988	0	0	476.81	0.00	0.00	0.00	0.00	0.00	0.00
1989	92	0	712.80	0.00	0.00	2.31	0.32	2.31	0.32
1990	302	116	545.67	141.52	25.94	0.09	0.02	141.61	25.95
1991	96	10	219.80	9.39	4.27	0.13	0.06	9.53	4.33
1992	0	0	386.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	0	0	453.16	0.00	0.00	0.28	0.06	0.28	0.06
1994	0	0	215.54	0.00	0.00	0.00	0.00	0.00	0.00
1995	0	0	291.27	0.00	0.00	0.00	0.00	0.00	0.00

Monthly Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − LEC_1 (LEC2020 Plan)

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	1	0	0	45.83	0.00	0.00	0.00	0.00	0.00	0.00
1965	2	0	0	19.80	0.00	0.00	0.00	0.00	0.00	0.00
1965	3	0	0	19.57	0.00	0.00	0.00	0.00	0.00	0.00
1965	4	0	0	80.66	0.00	0.00	0.00	0.00	0.00	0.00
1965	5	0	0	212.05	0.00	0.00	0.21	0.10	0.21	0.10
1965	6	0	0	52.43	0.00	0.00	0.45	0.86	0.45	0.86
1965	7	0	0	9.37	0.00	0.00	0.00	0.00	0.00	0.00
1965	8	0	0	0.31	0.00	0.00	0.00	0.00	0.00	0.00
1965	9	0	0	0.72	0.00	0.00	0.00	0.00	0.00	0.00
1965	10	6	0	0.42	0.00	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	27.68	0.00	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	24.47	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	1	0	0	5.17	0.00	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	12.77	0.00	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	29.80	0.00	0.00	0.00	0.00	0.00	0.00
1966	4	0	0	33.50	0.00	0.00	0.00	0.00	0.00	0.00
1966	5	0	0	23.02	0.00	0.00	0.00	0.00	0.00	0.00
1966	6	0	0	0.89	0.00	0.00	0.00	0.00	0.00	0.00
1966	7	0	0	0.25	0.00	0.00	0.00	0.00	0.00	0.00
1966	8	0	0	0.27	0.00	0.00	0.00	0.00	0.00	0.00
1966	9	0	0	1.03	0.00	0.00	0.00	0.00	0.00	0.00
1966	10	0	0	7.32	0.00	0.00	0.00	0.00	0.00	0.00
1966	11	0	0	49.20	0.00	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	21.72	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
1967	1	0	0	20.15	0.00	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	11.90	0.00	0.00	0.00	0.00	0.00	0.00
1967	3	0	0	47.20	0.00	0.00	0.00	0.00	0.00	0.00
1967	4	0	0	190.17	0.00	0.00	0.00	0.00	0.00	0.00
1967	5	0	0	222.27	0.00	0.00	0.68	0.31	0.68	0.31
1967	6	0	0	9.78	0.00	0.00	0.00	0.00	0.00	0.00
1967	7	0	0	3.89	0.00	0.00	0.00	0.00	0.00	0.00
1967	8	0	0	2.13	0.00	0.00	0.00	0.00	0.00	0.00
1967	9	0	0	3.12	0.00	0.00	0.00	0.00	0.00	0.00
1967	10	12	0	2.15	0.00	0.00	0.00	0.00	0.00	0.00
1967	11	0	0	35.60	0.00	0.00	0.00	0.00	0.00	0.00
1967	12	0	0	16.81	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	1	0	0	28.79	0.00	0.00	0.00	0.00	0.00	0.00
1968	2	0	0	22.36	0.00	0.00	0.00	0.00	0.00	0.00
1968	3	0	0	48.09	0.00	0.00	0.00	0.00	0.00	0.00
1968	4	0	0	121.35	0.00	0.00	0.00	0.00	0.00	0.00
1968	5	0	0	26.55	0.00	0.00	0.00	0.00	0.00	0.00
1968	6	0	0	0.12	0.00	0.00	0.00	0.00	0.00	0.00
1968	7	0	0	13.14	0.00	0.00	0.00	0.00	0.00	0.00
1968	8	0	0	5.97	0.00	0.00	0.00	0.00	0.00	0.00
1968	9	0	0	3.91	0.00	0.00	0.00	0.00	0.00	0.00
1968	10	0	0	1.16	0.00	0.00	0.00	0.00	0.00	0.00
1968	11	0	0	12.67	0.00	0.00	0.00	0.00	0.00	0.00
1968	12	0	0	33.45	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	1	0	0	11.06	0.00	0.00	0.00	0.00	0.00	0.00
1969	2	0	0	16.13	0.00	0.00	0.00	0.00	0.00	0.00
1969	3	0	0	3.34	0.00	0.00	0.00	0.00	0.00	0.00
1969	4	0	0	37.08	0.00	0.00	0.00	0.00	0.00	0.00
1969	5	0	0	20.50	0.00	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	14.79	0.00	0.00	0.00	0.00	0.00	0.00
1969	7	0	0	7.11	0.00	0.00	0.00	0.00	0.00	0.00
1969	8	0	0	1.28	0.00	0.00	0.00	0.00	0.00	0.00
1969	9	0	0	0.43	0.00	0.00	0.00	0.00	0.00	0.00
1969	10	0	0	4.07	0.00	0.00	0.00	0.00	0.00	0.00
1969	11	0	0	2.21	0.00	0.00	0.00	0.00	0.00	0.00
1969	12	0	0	7.28	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
1970	1	0	0	5.01	0.00	0.00	0.00	0.00	0.00	0.00
1970	2	0	0	11.00	0.00	0.00	0.00	0.00	0.00	0.00
1970	3	0	0	6.28	0.00	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	47.66	0.00	0.00	0.00	0.00	0.00	0.00
1970	5	0	0	81.38	0.00	0.00	0.00	0.00	0.00	0.00
1970	6	0	0	6.95	0.00	0.00	0.00	0.00	0.00	0.00
1970	7	0	0	4.23	0.00	0.00	0.00	0.00	0.00	0.00
1970	8	0	0	1.54	0.00	0.00	0.00	0.00	0.00	0.00
1970	9	0	0	4.80	0.00	0.00	0.00	0.00	0.00	0.00
1970	10	0	0	7.64	0.00	0.00	0.00	0.00	0.00	0.00
1970	11	0	0	38.18	0.00	0.00	0.00	0.00	0.00	0.00
1970	12	0	0	52.53	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	1	0	0	43.86	0.00	0.00	0.00	0.00	0.00	0.00
1971	2	0	0	38.50	0.00	0.00	0.00	0.00	0.00	0.00
1971	3	0	0	112.86	0.00	0.00	0.00	0.00	0.00	0.00
1971	4	0	0	199.64	0.00	0.00	0.00	0.00	0.00	0.00
1971	5	0	0	103.87	0.00	0.00	0.00	0.00	0.00	0.00
1971	6	0	0	23.30	0.00	0.00	0.00	0.00	0.00	0.00
1971	7	0	0	1.41	0.00	0.00	0.00	0.00	0.00	0.00
1971	8	0	0	1.26	0.00	0.00	0.00	0.00	0.00	0.00
1971	9	0	0	7.44	0.00	0.00	0.00	0.00	0.00	0.00
1971	10	0	0	5.38	0.00	0.00	0.00	0.00	0.00	0.00
1971	11	0	0	15.28	0.00	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	32.01	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
1972	1	0	0	25.83	0.00	0.00	0.00	0.00	0.00	0.00
1972	2	0	0	15.47	0.00	0.00	0.00	0.00	0.00	0.00
1972	3	0	0	52.96	0.00	0.00	0.00	0.00	0.00	0.00
1972	4	0	0	43.95	0.00	0.00	0.00	0.00	0.00	0.00
1972	5	0	0	17.88	0.00	0.00	0.00	0.00	0.00	0.00
1972	6	0	0	18.05	0.00	0.00	0.93	5.13	0.93	5.13
1972	7	0	0	10.49	0.00	0.00	0.00	0.00	0.00	0.00
1972	8	0	0	11.15	0.00	0.00	0.00	0.00	0.00	0.00
1972	9	0	0	15.77	0.00	0.00	0.00	0.00	0.00	0.00
1972	10	0	0	37.67	0.00	0.00	0.00	0.00	0.00	0.00
1972	11	0	0	25.40	0.00	0.00	0.00	0.00	0.00	0.00
1972	12	0	0	8.75	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	1	0	0	5.58	0.00	0.00	0.00	0.00	0.00	0.00
1973	2	0	0	2.97	0.00	0.00	0.00	0.00	0.00	0.00
1973	3	0	0	20.94	0.00	0.00	0.00	0.00	0.00	0.00
1973	4	0	0	44.95	0.00	0.00	0.00	0.00	0.00	0.00
1973	5	0	0	86.71	0.00	0.00	0.00	0.00	0.00	0.00
1973	6	0	0	13.81	0.00	0.00	0.00	0.00	0.00	0.00
1973	7	0	0	0.33	0.00	0.00	0.00	0.00	0.00	0.00
1973	8	0	0	0.04	0.00	0.00	0.00	0.00	0.00	0.00
1973	9	0	0	0.22	0.00	0.00	0.00	0.00	0.00	0.00
1973	10	0	0	10.95	0.00	0.00	0.00	0.00	0.00	0.00
1973	11	0	0	38.88	0.00	0.00	0.00	0.00	0.00	0.00
1973	12	0	0	12.74	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
1974	1	0	0	19.20	0.00	0.00	0.00	0.00	0.00	0.00
1974	2	0	0	42.88	0.00	0.00	0.00	0.00	0.00	0.00
1974	3	0	0	123.06	0.00	0.00	0.00	0.00	0.00	0.00
1974	4	0	0	143.46	0.00	0.00	0.00	0.00	0.00	0.00
1974	5	25	5	125.42	3.54	2.82	0.02	0.01	3.56	2.83
1974	6	26	4	7.24	1.31	18.14	0.00	0.03	1.32	18.17
1974	7	0	0	0.05	0.00	0.00	0.00	0.00	0.00	0.00
1974	8	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1974	9	0	0	0.17	0.00	0.00	0.00	0.00	0.00	0.00
1974	10	0	0	11.87	0.00	0.00	0.00	0.00	0.00	0.00
1974	11	0	0	35.61	0.00	0.00	0.00	0.00	0.00	0.00
1974	12	0	0	5.87	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
1975	1	0	0	36.11	0.00	0.00	0.00	0.00	0.00	0.00
1975	2	0	0	33.75	0.00	0.00	0.00	0.00	0.00	0.00
1975	3	0	0	104.31	0.00	0.00	0.00	0.00	0.00	0.00
1975	4	0	0	143.94	0.00	0.00	0.00	0.00	0.00	0.00
1975	5	0	0	79.20	0.00	0.00	0.00	0.00	0.00	0.00
1975	6	0	0	6.34	0.00	0.00	0.00	0.00	0.00	0.00
1975	7	0	0	0.83	0.00	0.00	0.00	0.00	0.00	0.00
1975	8	0	0	3.08	0.00	0.00	0.00	0.00	0.00	0.00
1975	9	0	0	2.08	0.00	0.00	0.00	0.00	0.00	0.00
1975	10	1	0	1.70	0.00	0.00	0.00	0.00	0.00	0.00
1975	11	0	0	16.72	0.00	0.00	0.00	0.00	0.00	0.00
1975	12	0	0	45.52	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	1	0	0	48.86	0.00	0.00	0.00	0.00	0.00	0.00
1976	2	0	0	53.12	0.00	0.00	0.00	0.00	0.00	0.00
1976	3	0	0	59.07	0.00	0.00	0.00	0.00	0.00	0.00
1976	4	20	10	144.64	26.90	18.60	0.06	0.04	26.97	18.64
1976	5	23	2	35.70	3.11	8.71	0.00	0.00	3.11	8.72
1976	6	0	0	3.96	0.00	0.00	0.00	0.00	0.00	0.00
1976	7	0	0	16.16	0.00	0.00	0.00	0.00	0.00	0.00
1976	8	0	0	1.67	0.00	0.00	0.00	0.00	0.00	0.00
1976	9	0	0	0.06	0.00	0.00	0.00	0.00	0.00	0.00
1976	10	31	2	34.71	3.59	10.33	0.00	0.00	3.59	10.33
1976	11	14	0	19.28	0.00	0.00	0.00	0.00	0.00	0.00
1976	12	0	0	9.63	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	1	0	0	1.13	0.00	0.00	0.00	0.00	0.00	0.00
1977	2	0	0	14.02	0.00	0.00	0.00	0.00	0.00	0.00
1977	3	0	0	51.68	0.00	0.00	0.00	0.00	0.00	0.00
1977	4	0	0	167.32	0.00	0.00	0.00	0.00	0.00	0.00
1977	5	0	0	62.88	0.00	0.00	0.00	0.00	0.00	0.00
1977	6	0	0	31.08	0.00	0.00	0.00	0.00	0.00	0.00
1977	7	0	0	12.25	0.00	0.00	0.00	0.00	0.00	0.00
1977	8	0	0	2.21	0.00	0.00	0.00	0.00	0.00	0.00
1977	9	0	0	0.07	0.00	0.00	0.00	0.00	0.00	0.00
1977	10	31	20	37.90	17.45	46.04	0.02	0.06	17.47	46.10
1977	11	30	2	18.79	0.18	0.97	0.00	0.00	0.18	0.97
1977	12	10	0	0.01	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
1978	1	0	0	3.93	0.00	0.00	0.00	0.00	0.00	0.00
1978	2	0	0	7.28	0.00	0.00	0.00	0.00	0.00	0.00
1978	3	0	0	17.99	0.00	0.00	0.00	0.00	0.00	0.00
1978	4	0	0	57.68	0.00	0.00	0.00	0.00	0.00	0.00
1978	5	0	0	14.51	0.00	0.00	0.00	0.00	0.00	0.00
1978	6	0	0	15.00	0.00	0.00	0.00	0.00	0.00	0.00
1978	7	0	0	2.34	0.00	0.00	0.00	0.00	0.00	0.00
1978	8	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1978	9	0	0	0.46	0.00	0.00	0.00	0.00	0.00	0.00
1978	10	0	0	4.48	0.00	0.00	0.00	0.00	0.00	0.00
1978	11	0	0	12.17	0.00	0.00	0.00	0.00	0.00	0.00
1978	12	0	0	8.64	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
1979	1	0	0	2.78	0.00	0.00	0.00	0.00	0.00	0.00
1979	2	0	0	20.37	0.00	0.00	0.00	0.00	0.00	0.00
1979	3	0	0	35.19	0.00	0.00	0.00	0.00	0.00	0.00
1979	4	0	0	86.85	0.00	0.00	0.00	0.00	0.00	0.00
1979	5	0	0	4.95	0.00	0.00	0.00	0.00	0.00	0.00
1979	6	0	0	164.22	0.00	0.00	2.21	1.35	2.21	1.35
1979	7	0	0	24.86	0.00	0.00	0.00	0.00	0.00	0.00
1979	8	0	0	9.82	0.00	0.00	0.00	0.00	0.00	0.00
1979	9	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1979	10	0	0	7.85	0.00	0.00	0.00	0.00	0.00	0.00
1979	11	0	0	2.93	0.00	0.00	0.00	0.00	0.00	0.00
1979	12	0	0	8.98	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
1980	1	0	0	13.70	0.00	0.00	0.00	0.00	0.00	0.00
1980	2	0	0	4.63	0.00	0.00	0.00	0.00	0.00	0.00
1980	3	0	0	36.26	0.00	0.00	0.00	0.00	0.00	0.00
1980	4	0	0	5.57	0.00	0.00	0.00	0.00	0.00	0.00
1980	5	0	0	65.08	0.00	0.00	0.00	0.00	0.00	0.00
1980	6	0	0	102.19	0.00	0.00	0.39	0.38	0.39	0.38
1980	7	0	0	14.60	0.00	0.00	0.00	0.00	0.00	0.00
1980	8	0	0	6.15	0.00	0.00	0.00	0.00	0.00	0.00
1980	9	0	0	1.13	0.00	0.00	0.00	0.00	0.00	0.00
1980	10	0	0	38.09	0.00	0.00	0.00	0.00	0.00	0.00
1980	11	0	0	17.50	0.00	0.00	0.00	0.00	0.00	0.00
1980	12	0	0	15.86	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
1981	1	0	0	33.22	0.00	0.00	0.00	0.00	0.00	0.00
1981	2	0	0	16.23	0.00	0.00	0.00	0.00	0.00	0.00
1981	3	0	0	50.29	0.00	0.00	0.00	0.00	0.00	0.00
1981	4	21	15	187.70	33.48	17.84	0.08	0.04	33.56	17.88
1981	5	31	31	241.34	160.32	66.43	0.00	0.00	160.33	66.43
1981	6	30	30	168.87	113.14	67.00	0.00	0.00	113.14	67.00
1981	7	31	31	105.54	70.71	67.00	0.00	0.00	70.71	67.00
1981	8	31	15	5.74	3.84	67.00	0.00	0.00	3.84	67.00
1981	9	30	0	1.22	0.00	0.00	0.00	0.00	0.00	0.00
1981	10	31	26	35.71	17.26	48.33	0.02	0.04	17.27	48.37
1981	11	30	6	21.41	1.26	5.89	0.00	0.02	1.26	5.91
1981	12	31	6	48.44	3.75	7.74	0.01	0.02	3.75	7.75

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1982	1	31	7	41.85	7.22	17.24	0.00	0.01	7.22	17.25
1982	2	28	28	15.04	10.07	67.00	0.00	0.00	10.07	67.00
1982	3	31	28	30.89	20.69	67.00	0.00	0.00	20.69	67.00
1982	4	30	30	30.52	20.45	67.00	0.00	0.00	20.45	67.00
1982	5	31	27	139.12	93.21	67.00	0.00	0.00	93.21	67.00
1982	6	22	12	12.21	8.01	65.60	0.00	0.00	8.01	65.60
1982	7	0	0	3.87	0.00	0.00	0.00	0.00	0.00	0.00
1982	8	0	0	2.40	0.00	0.00	0.00	0.00	0.00	0.00
1982	9	0	0	3.21	0.00	0.00	0.00	0.00	0.00	0.00
1982	10	0	0	8.45	0.00	0.00	0.00	0.00	0.00	0.00
1982	11	0	0	19.67	0.00	0.00	0.00	0.00	0.00	0.00
1982	12	0	0	30.21	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
1983	1	0	0	16.87	0.00	0.00	0.00	0.00	0.00	0.00
1983	2	0	0	0.53	0.00	0.00	0.00	0.00	0.00	0.00
1983	3	0	0	0.27	0.00	0.00	0.00	0.00	0.00	0.00
1983	4	0	0	23.45	0.00	0.00	0.00	0.00	0.00	0.00
1983	5	0	0	145.36	0.00	0.00	0.10	0.07	0.10	0.07
1983	6	0	0	5.46	0.00	0.00	0.00	0.00	0.00	0.00
1983	7	0	0	14.18	0.00	0.00	0.00	0.00	0.00	0.00
1983	8	0	0	1.93	0.00	0.00	0.00	0.00	0.00	0.00
1983	9	0	0	2.17	0.00	0.00	0.00	0.00	0.00	0.00
1983	10	0	0	0.89	0.00	0.00	0.00	0.00	0.00	0.00
1983	11	0	0	6.65	0.00	0.00	0.00	0.00	0.00	0.00
1983	12	0	0	11.91	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	1	0	0	16.13	0.00	0.00	0.00	0.00	0.00	0.00
1984	2	0	0	10.90	0.00	0.00	0.00	0.00	0.00	0.00
1984	3	0	0	5.51	0.00	0.00	0.00	0.00	0.00	0.00
1984	4	0	0	18.08	0.00	0.00	0.00	0.00	0.00	0.00
1984	5	0	0	82.81	0.00	0.00	0.00	0.00	0.00	0.00
1984	6	0	0	27.39	0.00	0.00	0.00	0.00	0.00	0.00
1984	7	0	0	1.65	0.00	0.00	0.00	0.00	0.00	0.00
1984	8	0	0	9.77	0.00	0.00	0.00	0.00	0.00	0.00
1984	9	0	0	7.25	0.00	0.00	0.00	0.00	0.00	0.00
1984	10	0	0	38.09	0.00	0.00	0.00	0.00	0.00	0.00
1984	11	0	0	28.83	0.00	0.00	0.00	0.00	0.00	0.00
1984	12	0	0	29.03	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	1	0	0	35.03	0.00	0.00	0.00	0.00	0.00	0.00
1985	2	0	0	59.76	0.00	0.00	0.00	0.00	0.00	0.00
1985	3	0	0	91.04	0.00	0.00	0.00	0.00	0.00	0.00
1985	4	0	0	24.15	0.00	0.00	0.00	0.00	0.00	0.00
1985	5	0	0	93.57	0.00	0.00	0.00	0.00	0.00	0.00
1985	6	0	0	103.98	0.00	0.00	1.39	1.34	1.39	1.34
1985	7	0	0	5.16	0.00	0.00	0.00	0.00	0.00	0.00
1985	8	0	0	1.82	0.00	0.00	0.00	0.00	0.00	0.00
1985	9	0	0	0.20	0.00	0.00	0.00	0.00	0.00	0.00
1985	10	0	0	5.90	0.00	0.00	0.00	0.00	0.00	0.00
1985	11	0	0	25.40	0.00	0.00	0.00	0.00	0.00	0.00
1985	12	0	0	19.57	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	1	0	0	13.02	0.00	0.00	0.00	0.00	0.00	0.00
1986	2	0	0	22.77	0.00	0.00	0.00	0.00	0.00	0.00
1986	3	0	0	5.33	0.00	0.00	0.00	0.00	0.00	0.00
1986	4	0	0	90.01	0.00	0.00	0.00	0.00	0.00	0.00
1986	5	0	0	113.04	0.00	0.00	0.00	0.00	0.00	0.00
1986	6	0	0	21.74	0.00	0.00	0.00	0.00	0.00	0.00
1986	7	0	0	4.23	0.00	0.00	0.00	0.00	0.00	0.00
1986	8	0	0	0.28	0.00	0.00	0.00	0.00	0.00	0.00
1986	9	0	0	6.17	0.00	0.00	0.00	0.00	0.00	0.00
1986	10	0	0	21.37	0.00	0.00	0.00	0.00	0.00	0.00
1986	11	0	0	11.09	0.00	0.00	0.00	0.00	0.00	0.00
1986	12	0	0	17.79	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
1987	1	0	0	6.98	0.00	0.00	0.00	0.00	0.00	0.00
1987	2	0	0	6.40	0.00	0.00	0.00	0.00	0.00	0.00
1987	3	0	0	6.83	0.00	0.00	0.00	0.00	0.00	0.00
1987	4	0	0	44.47	0.00	0.00	0.00	0.00	0.00	0.00
1987	5	0	0	103.06	0.00	0.00	0.00	0.00	0.00	0.00
1987	6	0	0	126.58	0.00	0.00	0.03	0.02	0.03	0.02
1987	7	0	0	11.60	0.00	0.00	0.00	0.00	0.00	0.00
1987	8	0	0	28.84	0.00	0.00	0.00	0.00	0.00	0.00
1987	9	0	0	8.52	0.00	0.00	0.00	0.00	0.00	0.00
1987	10	13	0	10.94	0.00	0.00	0.00	0.00	0.00	0.00
1987	11	0	0	0.22	0.00	0.00	0.00	0.00	0.00	0.00
1987	12	0	0	13.85	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
1988	1	0	0	5.62	0.00	0.00	0.00	0.00	0.00	0.00
1988	2	0	0	5.78	0.00	0.00	0.00	0.00	0.00	0.00
1988	3	0	0	10.00	0.00	0.00	0.00	0.00	0.00	0.00
1988	4	0	0	79.26	0.00	0.00	0.00	0.00	0.00	0.00
1988	5	0	0	118.19	0.00	0.00	0.00	0.00	0.00	0.00
1988	6	0	0	38.12	0.00	0.00	0.00	0.00	0.00	0.00
1988	7	0	0	1.43	0.00	0.00	0.00	0.00	0.00	0.00
1988	8	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1988	9	0	0	26.00	0.00	0.00	0.00	0.00	0.00	0.00
1988	10	0	0	85.06	0.00	0.00	0.00	0.00	0.00	0.00
1988	11	0	0	16.26	0.00	0.00	0.00	0.00	0.00	0.00
1988	12	0	0	38.80	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
1989	1	0	0	64.63	0.00	0.00	0.00	0.00	0.00	0.00
1989	2	0	0	92.23	0.00	0.00	0.00	0.00	0.00	0.00
1989	3	0	0	50.46	0.00	0.00	0.00	0.00	0.00	0.00
1989	4	0	0	77.28	0.00	0.00	0.00	0.00	0.00	0.00
1989	5	0	0	147.87	0.00	0.00	0.00	0.00	0.00	0.00
1989	6	0	0	138.47	0.00	0.00	2.31	1.67	2.31	1.67
1989	7	0	0	38.69	0.00	0.00	0.00	0.00	0.00	0.00
1989	8	0	0	3.17	0.00	0.00	0.00	0.00	0.00	0.00
1989	9	0	0	1.44	0.00	0.00	0.00	0.00	0.00	0.00
1989	10	31	0	4.69	0.00	0.00	0.00	0.00	0.00	0.00
1989	11	30	0	43.96	0.00	0.00	0.00	0.00	0.00	0.00
1989	12	31	0	28.21	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	1	31	0	21.16	0.00	0.00	0.00	0.00	0.00	0.00
1990	2	28	2	14.38	0.86	5.96	0.00	0.02	0.86	5.98
1990	3	31	6	67.05	7.82	11.67	0.01	0.01	7.83	11.68
1990	4	30	9	107.22	11.41	10.64	0.04	0.04	11.45	10.68
1990	5	31	15	77.12	20.54	26.63	0.02	0.02	20.56	26.66
1990	6	30	23	54.06	35.84	66.30	0.00	0.00	35.84	66.30
1990	7	26	12	9.25	4.09	44.22	0.00	0.00	4.09	44.22
1990	8	0	0	2.90	0.00	0.00	0.00	0.00	0.00	0.00
1990	9	0	0	11.18	0.00	0.00	0.00	0.00	0.00	0.00
1990	10	31	0	8.42	0.00	0.00	0.00	0.00	0.00	0.00
1990	11	30	3	42.24	0.73	1.73	0.00	0.01	0.74	1.74
1990	12	31	2	61.62	1.23	2.00	0.00	0.00	1.23	2.00

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1991	1	31	1	9.47	0.33	3.45	0.00	0.00	0.33	3.45
1991	2	28	6	23.03	5.08	22.07	0.00	0.01	5.08	22.08
1991	3	31	3	30.70	1.88	6.13	0.00	0.00	1.88	6.13
1991	4	2	0	2.32	0.00	0.00	0.00	0.00	0.00	0.00
1991	5	0	0	43.92	0.00	0.00	0.13	0.29	0.13	0.29
1991	6	0	0	15.47	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	2.01	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	0	0	2.23	0.00	0.00	0.00	0.00	0.00	0.00
1991	10	0	0	5.56	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	0	0	17.64	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	0	0	29.26	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	1	0	0	27.99	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	0	0	11.53	0.00	0.00	0.00	0.00	0.00	0.00
1992	3	0	0	17.51	0.00	0.00	0.00	0.00	0.00	0.00
1992	4	0	0	6.22	0.00	0.00	0.00	0.00	0.00	0.00
1992	5	0	0	139.99	0.00	0.00	0.00	0.00	0.00	0.00
1992	6	0	0	16.76	0.00	0.00	0.00	0.00	0.00	0.00
1992	7	0	0	14.10	0.00	0.00	0.00	0.00	0.00	0.00
1992	8	0	0	4.31	0.00	0.00	0.00	0.00	0.00	0.00
1992	9	0	0	1.33	0.00	0.00	0.00	0.00	0.00	0.00
1992	10	0	0	35.36	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0	0	28.94	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	0	0	41.76	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	1	0	0	2.03	0.00	0.00	0.00	0.00	0.00	0.00
1993	2	0	0	6.24	0.00	0.00	0.00	0.00	0.00	0.00
1993	3	0	0	12.89	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0	0	22.34	0.00	0.00	0.00	0.00	0.00	0.00
1993	5	0	0	150.54	0.00	0.00	0.13	0.09	0.13	0.09
1993	6	0	0	48.01	0.00	0.00	0.15	0.32	0.15	0.32
1993	7	0	0	49.49	0.00	0.00	0.00	0.00	0.00	0.00
1993	8	0	0	62.23	0.00	0.00	0.00	0.00	0.00	0.00
1993	9	0	0	2.60	0.00	0.00	0.00	0.00	0.00	0.00
1993	10	0	0	1.96	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	0	0	19.75	0.00	0.00	0.00	0.00	0.00	0.00
1993	12	0	0	37.51	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	1	0	0	5.65	0.00	0.00	0.00	0.00	0.00	0.00
1994	2	0	0	4.70	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0	0	25.49	0.00	0.00	0.00	0.00	0.00	0.00
1994	4	0	0	36.88	0.00	0.00	0.00	0.00	0.00	0.00
1994	5	0	0	74.66	0.00	0.00	0.00	0.00	0.00	0.00
1994	6	0	0	4.54	0.00	0.00	0.00	0.00	0.00	0.00
1994	7	0	0	9.13	0.00	0.00	0.00	0.00	0.00	0.00
1994	8	0	0	0.03	0.00	0.00	0.00	0.00	0.00	0.00
1994	9	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	10	0	0	8.54	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	0	0	6.96	0.00	0.00	0.00	0.00	0.00	0.00
1994	12	0	0	4.76	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	1	0	0	6.09	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	0	0	4.42	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	0	0	22.45	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0	0	56.21	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0	0	68.47	0.00	0.00	0.00	0.00	0.00	0.00
1995	6	0	0	23.54	0.00	0.00	0.00	0.00	0.00	0.00
1995	7	0	0	19.34	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	0	0	9.20	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	0	0	3.75	0.00	0.00	0.00	0.00	0.00	0.00
1995	10	0	0	5.44	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	0	0	15.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	0	0	19.43	0.00	0.00	0.00	0.00	0.00	0.00

Annual Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

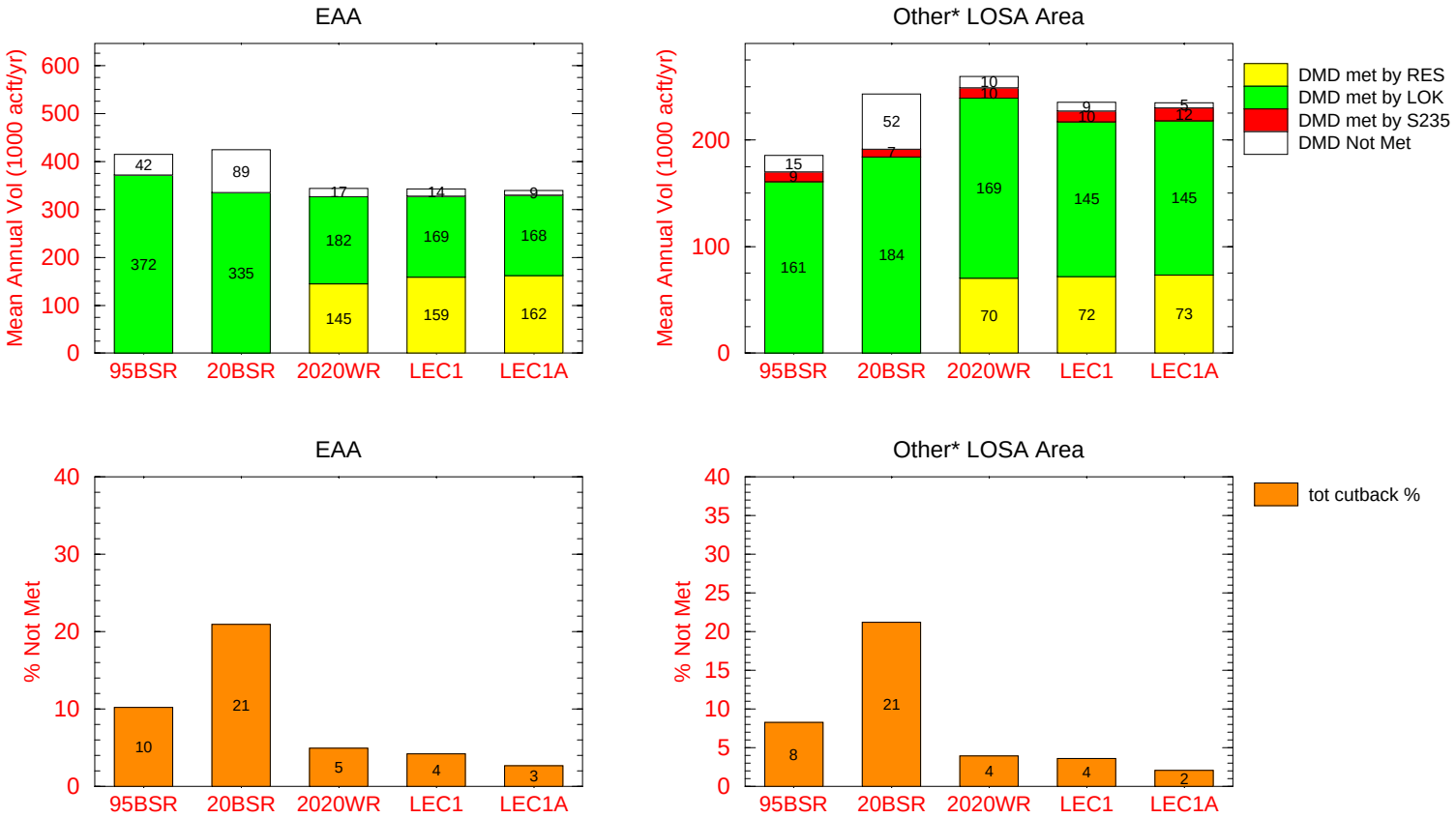
Run:
SFWMM v3.7 − LEC_1 (LEC2020 Plan)

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

Year	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1965	6	0	493.30	0.00	0.00	0.66	0.13	0.66	0.13
1966	0	0	184.94	0.00	0.00	0.00	0.00	0.00	0.00
1967	12	0	565.16	0.00	0.00	0.68	0.12	0.68	0.12
1968	0	0	317.56	0.00	0.00	0.00	0.00	0.00	0.00
1969	0	0	125.28	0.00	0.00	0.00	0.00	0.00	0.00
1970	0	0	267.20	0.00	0.00	0.00	0.00	0.00	0.00
1971	0	0	584.82	0.00	0.00	0.00	0.00	0.00	0.00
1972	0	0	283.36	0.00	0.00	0.93	0.33	0.93	0.33
1973	0	0	238.12	0.00	0.00	0.00	0.00	0.00	0.00
1974	51	9	514.83	4.85	0.94	0.02	0.00	4.87	0.95
1975	1	0	473.59	0.00	0.00	0.00	0.00	0.00	0.00
1976	88	14	426.86	33.60	7.87	0.07	0.02	33.67	7.89
1977	71	22	399.33	17.63	4.41	0.02	0.01	17.65	4.42
1978	0	0	145.56	0.00	0.00	0.00	0.00	0.00	0.00
1979	0	0	368.79	0.00	0.00	2.21	0.60	2.21	0.60
1980	0	0	320.75	0.00	0.00	0.39	0.12	0.39	0.12
1981	266	160	915.71	403.76	44.09	0.11	0.01	403.87	44.10
1982	173	132	337.43	159.65	47.31	0.00	0.00	159.65	47.32
1983	0	0	229.66	0.00	0.00	0.10	0.04	0.10	0.04
1984	0	0	275.43	0.00	0.00	0.00	0.00	0.00	0.00
1985	0	0	465.59	0.00	0.00	1.39	0.30	1.39	0.30
1986	0	0	326.83	0.00	0.00	0.00	0.00	0.00	0.00
1987	13	0	368.30	0.00	0.00	0.03	0.01	0.03	0.01
1988	0	0	425.61	0.00	0.00	0.00	0.00	0.00	0.00
1989	92	0	691.11	0.00	0.00	2.31	0.33	2.31	0.33
1990	299	72	476.60	82.52	17.31	0.07	0.02	82.60	17.33
1991	92	10	181.60	7.29	4.02	0.13	0.07	7.42	4.09
1992	0	0	345.80	0.00	0.00	0.00	0.00	0.00	0.00
1993	0	0	415.59	0.00	0.00	0.28	0.07	0.28	0.07
1994	0	0	181.33	0.00	0.00	0.00	0.00	0.00	0.00
1995	0	0	253.33	0.00	0.00	0.00	0.00	0.00	0.00

Mean Annual EAA/LOSA Supplemental Irrigation: Demands and Demands Not Met

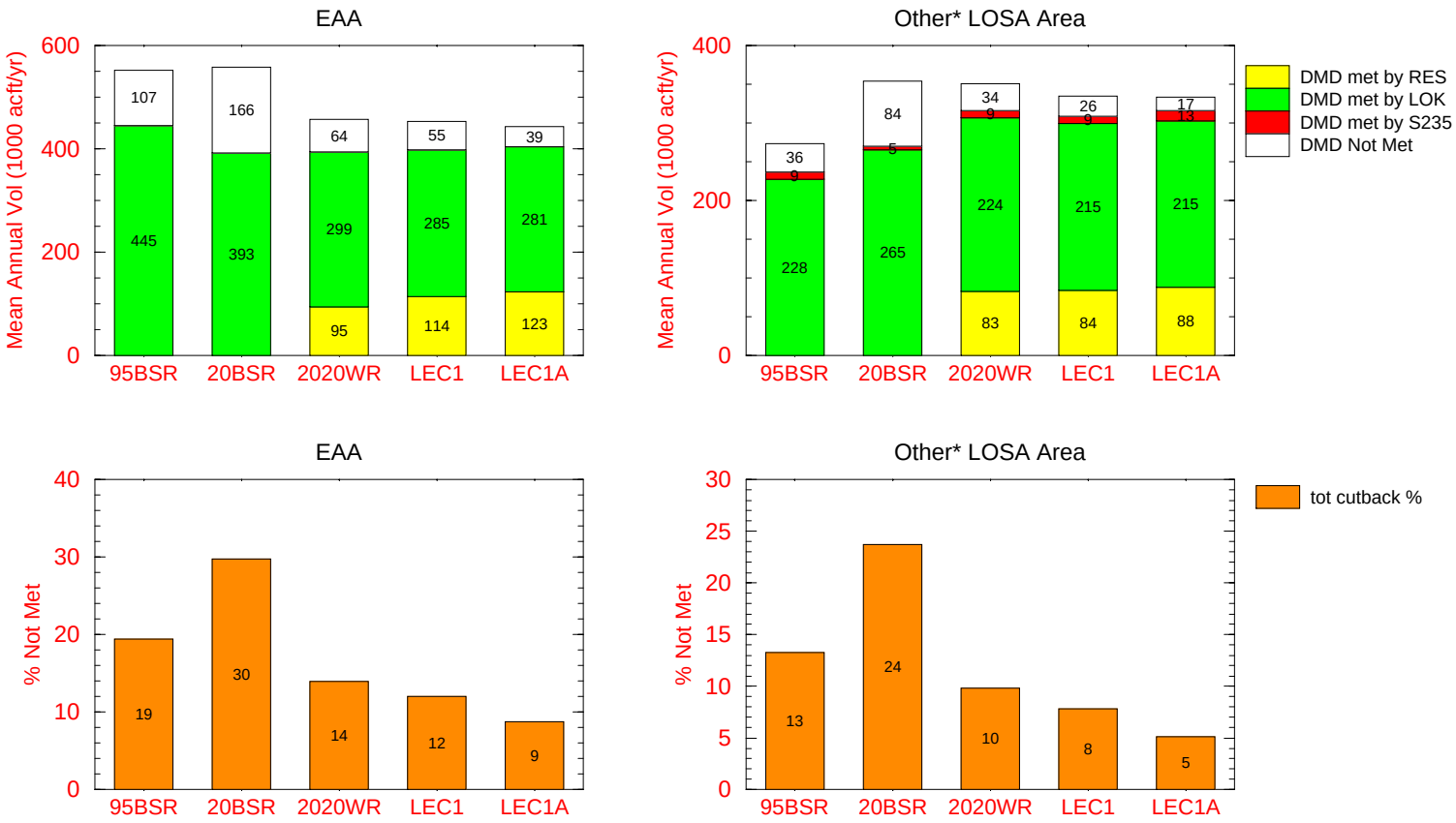
for the 1965 - 1995 Simulation Period



*Other Lake Service SubAreas (S236, S4, L8, C43, C44, and Seminole Indians (Brighton & Big Cypress)).

Run date: 01/28/00 17:35:25
For Planning Purposes Only
SFWMM V3.7

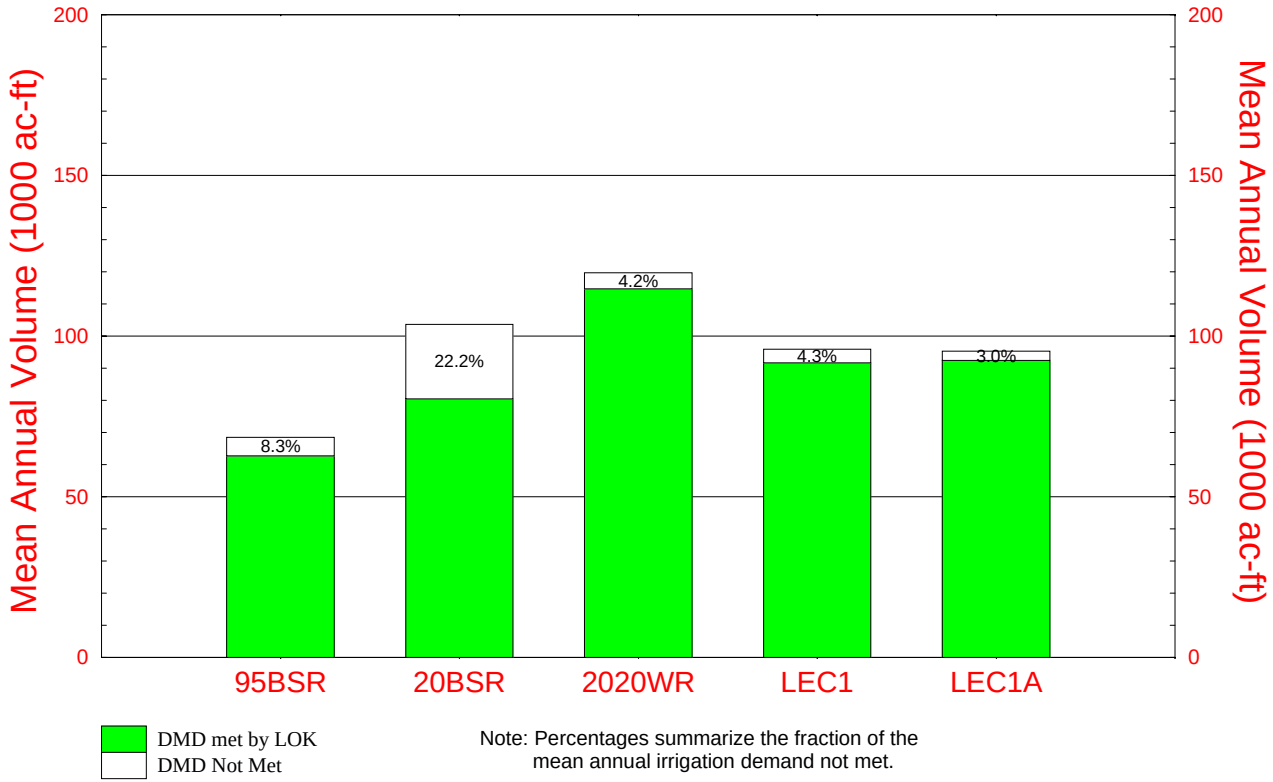
Mean Annual EAA/LOSA Supplemental Irrigation:
Demands and Demands Not Met for the Drought Years:
1971, 1975, 1981, 1985, 1989 within the 1965 - 1995 Simulation Period



*Other Lake Service SubAreas (S236, S4, L8, C43, C44, and Seminole Indians (Brighton & Big Cypress)).

Run date: 01/28/00 17:39:04
For Planning Purposes Only
SFWMM V3.7

S236, S4, L8 and Seminole Indians (Brighton & Big Cypress)*
Mean Annual Supplemental Irrigation: Demands and Demands Not Met
for the 1965 - 1995 Simulation Period

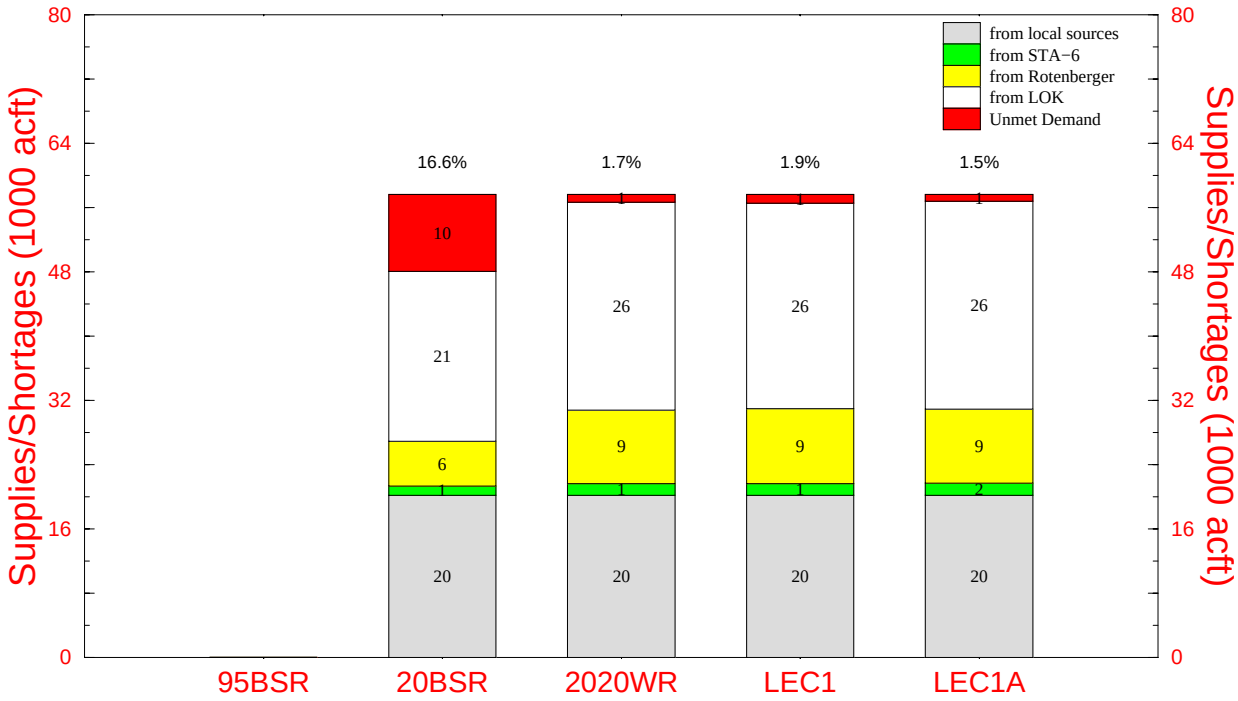


Note: Percentages summarize the fraction of the mean annual irrigation demand not met.

*Part of Other Lake Okeechobee Service SubAreas

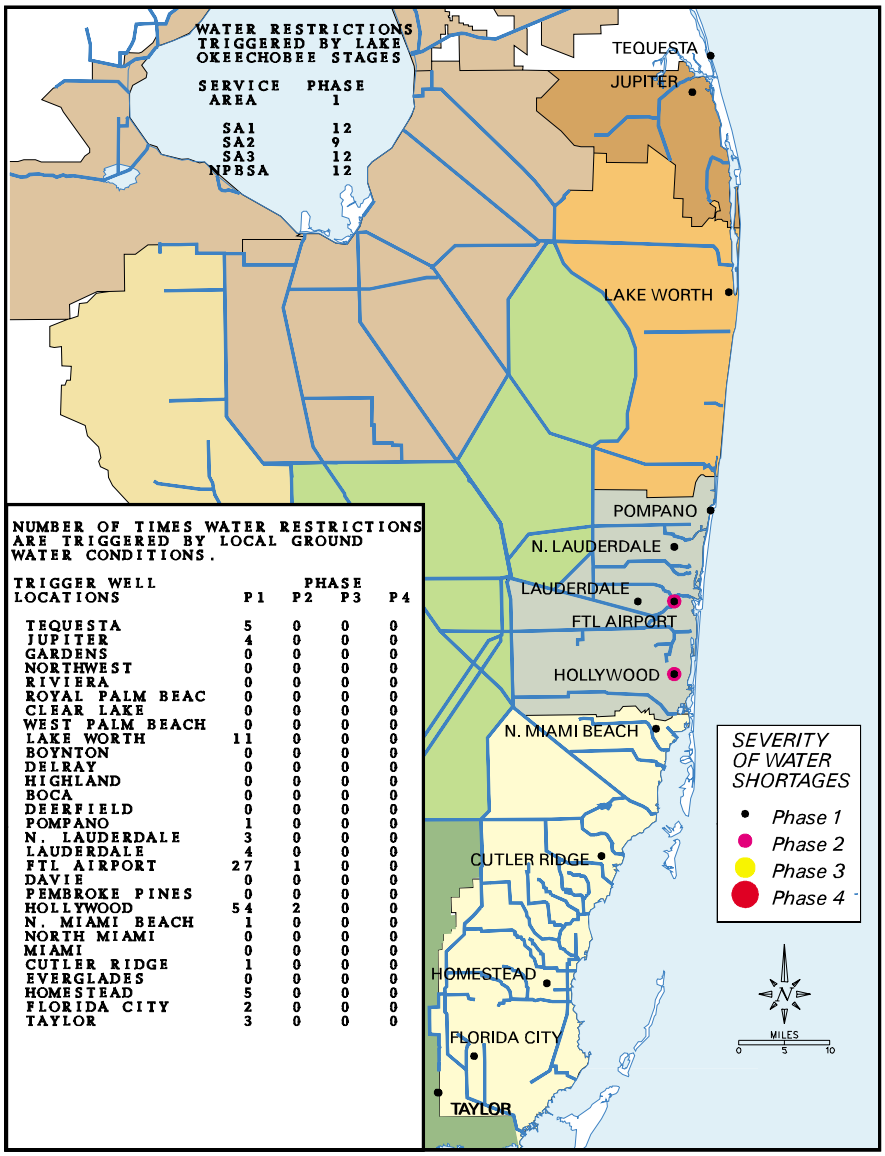
Run date: 01/28/00 19:00:14
For Planning Purposes Only
SFWMM V3.7

Annual Average (1965 − 1995) Irrigation Supplies and Shortages for the Seminole Tribe − Big Cypress Reservation



Note: The data on top of each bar represents the percentage of Unmet demand.

Run date: 01/28/00 18:55:49
For Planning Purposes Only
SFWMM V3.7

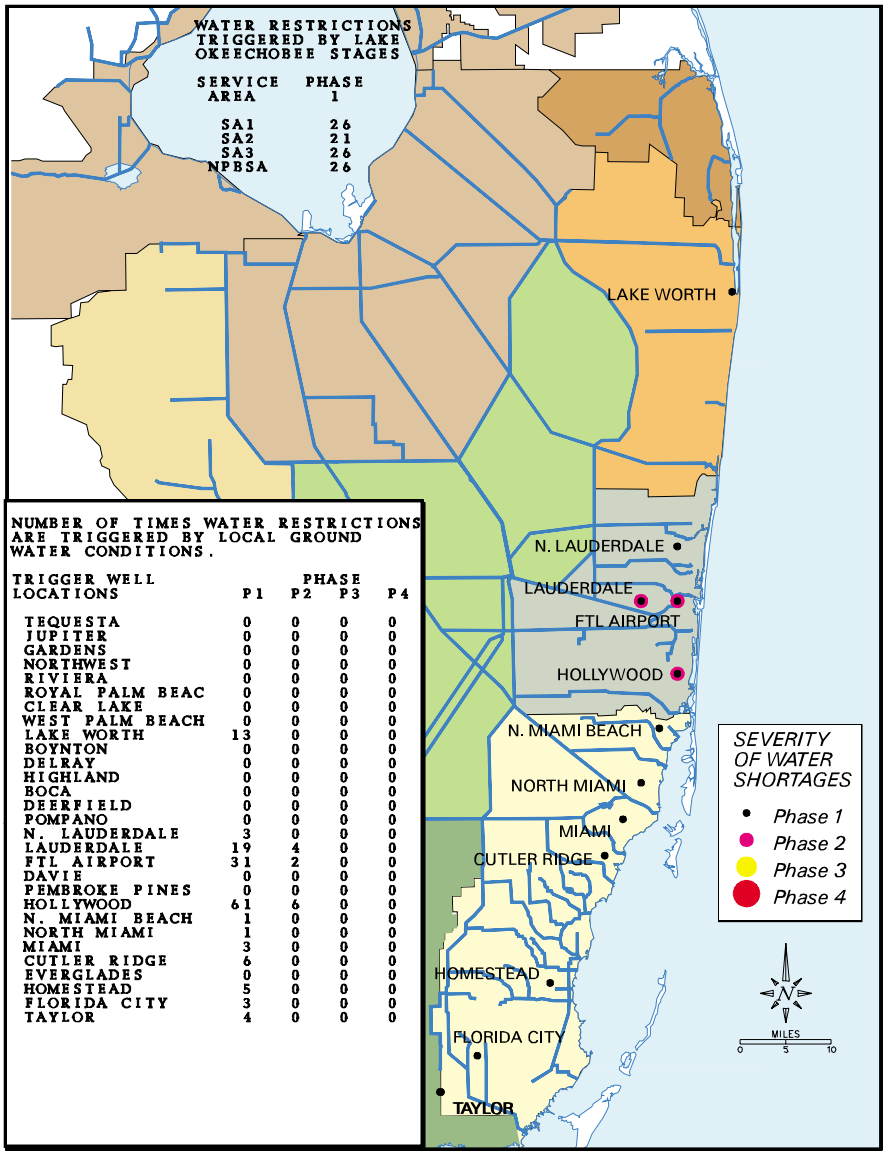


NUMBER OF TIMES WATER RESTRICTIONS ARE TRIGGERED BY LOCAL GROUND WATER CONDITIONS.

TRIGGER WELL LOCATIONS	PHASE P1	P2	P3	P4
TEQUESTA	5	0	0	0
JUPITER	4	0	0	0
GARDENS	0	0	0	0
NORTHWEST	0	0	0	0
RIVIERA	0	0	0	0
ROYAL PALM BEAC	0	0	0	0
CLEAR LAKE	0	0	0	0
WEST PALM BEACH	0	0	0	0
LAKE WORTH	11	0	0	0
BOYNTON	0	0	0	0
DELRAY	0	0	0	0
HIGHLAND	0	0	0	0
BOCA	0	0	0	0
DEERFIELD	0	0	0	0
POMPANO	1	0	0	0
N. LAUDERDALE	3	0	0	0
LAUDERDALE	4	0	0	0
FTL AIRPORT	27	1	0	0
DAVIE	0	0	0	0
PEMBROKE PINES	0	0	0	0
HOLLYWOOD	54	2	0	0
N. MIAMI BEACH	1	0	0	0
NORTH MIAMI	0	0	0	0
MIAMI	0	0	0	0
CUTLER RIDGE	1	0	0	0
EVERGLADES	0	0	0	0
HOMESTEAD	5	0	0	0
FLORIDA CITY	2	0	0	0
TAYLOR	3	0	0	0

Frequency & Severity of Water Restriction Triggers for

SFWMM v3.7 - 95BSR (LEC2020)

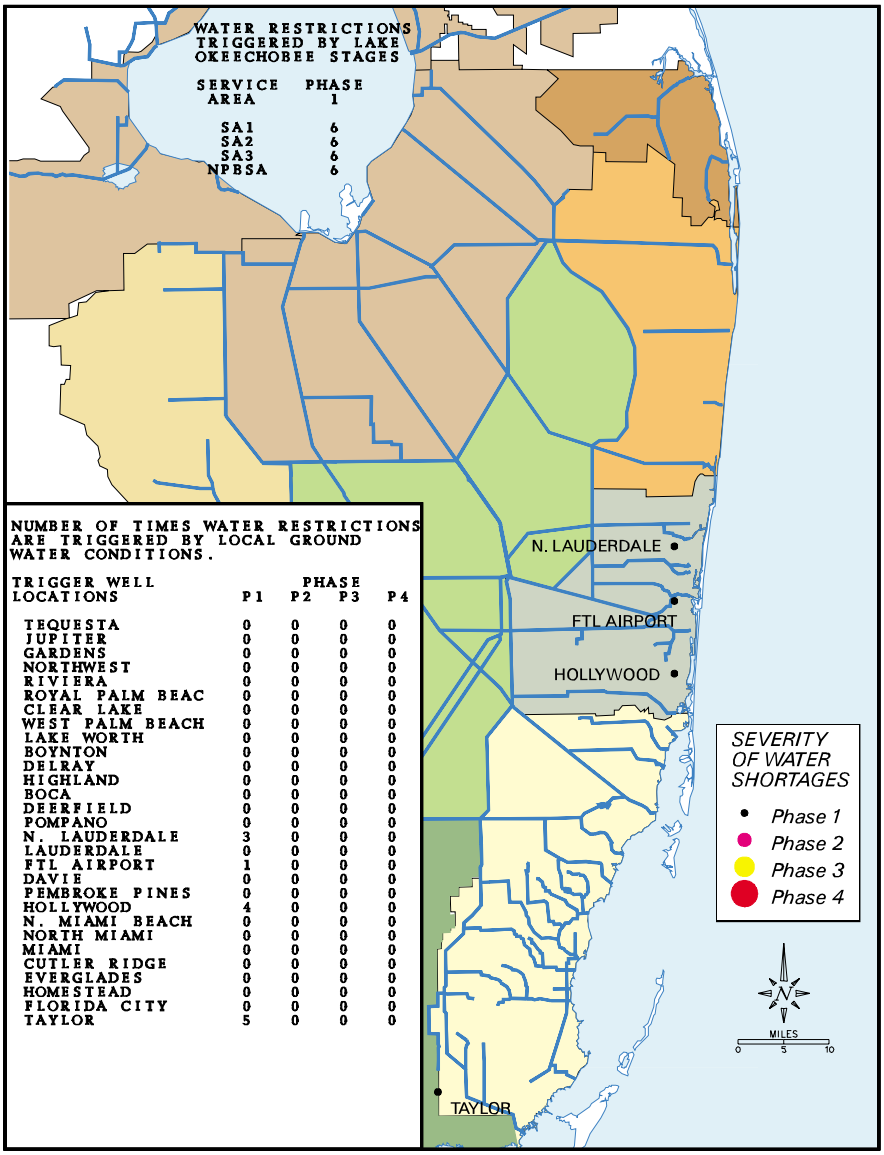


NUMBER OF TIMES WATER RESTRICTIONS ARE TRIGGERED BY LOCAL GROUND WATER CONDITIONS.

TRIGGER WELL LOCATIONS	PHASE P1	P2	P3	P4
TEQUESTA	0	0	0	0
JUPITER	0	0	0	0
GARDENS	0	0	0	0
NORTHWEST	0	0	0	0
RIVIERA	0	0	0	0
ROYAL PALM BEAC	0	0	0	0
CLEAR LAKE	0	0	0	0
WEST PALM BEACH	0	0	0	0
LAKE WORTH	13	0	0	0
BOYNTON	0	0	0	0
DELRAY	0	0	0	0
HIGHLAND	0	0	0	0
BOCA	0	0	0	0
DEERFIELD	0	0	0	0
POMPANO	0	0	0	0
N. LAUDERDALE	3	0	0	0
LAUDERDALE	19	4	0	0
FTL AIRPORT	31	2	0	0
DAVIE	0	0	0	0
PEMBROKE PINES	0	0	0	0
HOLLYWOOD	61	6	0	0
N. MIAMI BEACH	1	0	0	0
NORTH MIAMI	1	0	0	0
MIAMI	3	0	0	0
CUTLER RIDGE	6	0	0	0
EVERGLADES	0	0	0	0
HOMESTEAD	5	0	0	0
FLORIDA CITY	3	0	0	0
TAYLOR	4	0	0	0

Frequency & Severity of Water Restriction Triggers for

SFWMM v3.7 - 2020 BASE COND REV

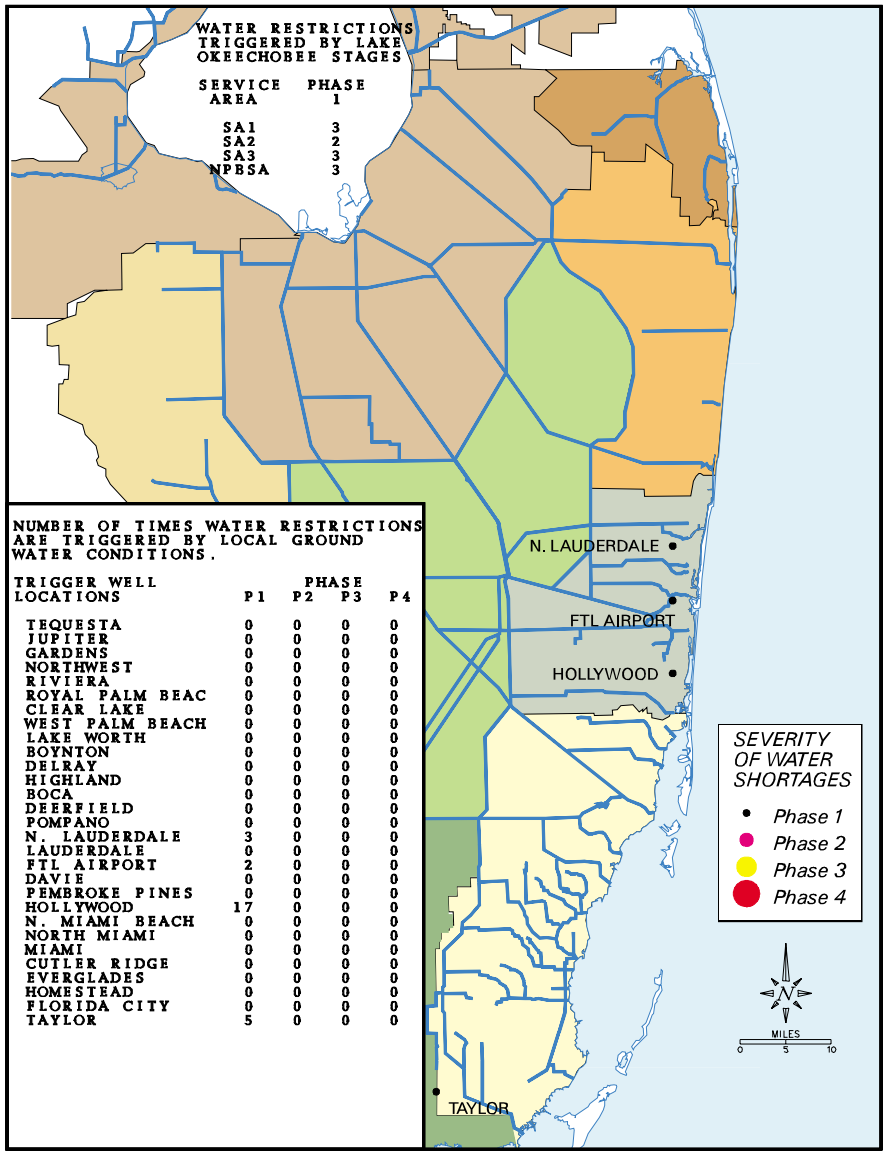


NUMBER OF TIMES WATER RESTRICTIONS ARE TRIGGERED BY LOCAL GROUND WATER CONDITIONS.

TRIGGER WELL LOCATIONS	PHASE P1	P2	P3	P4
TEQUESTA	0	0	0	0
JUPITER	0	0	0	0
GARDENS	0	0	0	0
NORTHWEST	0	0	0	0
RIVIERA	0	0	0	0
ROYAL PALM BEAC	0	0	0	0
CLEAR LAKE	0	0	0	0
WEST PALM BEACH	0	0	0	0
LAKE WORTH	0	0	0	0
BOYNTON	0	0	0	0
DELRAY	0	0	0	0
HIGHLAND	0	0	0	0
BOCA	0	0	0	0
DEERFIELD	0	0	0	0
POMPANO	0	0	0	0
N. LAUDERDALE	3	0	0	0
LAUDERDALE	0	0	0	0
FTL AIRPORT	1	0	0	0
DAVIE	0	0	0	0
PEMBROKE PINES	0	0	0	0
HOLLYWOOD	4	0	0	0
N. MIAMI BEACH	0	0	0	0
NORTH MIAMI	0	0	0	0
MIAMI	0	0	0	0
CUTLER RIDGE	0	0	0	0
EVERGLADES	0	0	0	0
HOMESTEAD	0	0	0	0
FLORIDA CITY	0	0	0	0
TAYLOR	5	0	0	0

Frequency & Severity of Water Restriction Triggers for

SFWMM v3.7 - 2020wRES_ESTUARY (LEC2020 Plan)



NUMBER OF TIMES WATER RESTRICTIONS ARE TRIGGERED BY LOCAL GROUND WATER CONDITIONS.

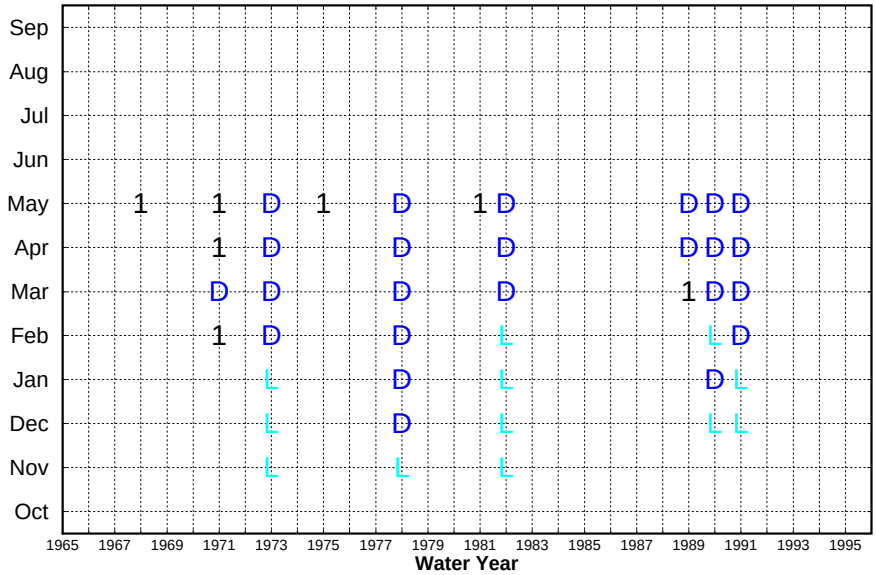
TRIGGER WELL LOCATIONS	PHASE P1	P2	P3	P4
TEQUESTA	0	0	0	0
JUPITER	0	0	0	0
GARDENS	0	0	0	0
NORTHWEST	0	0	0	0
RIVIERA	0	0	0	0
ROYAL PALM BEAC	0	0	0	0
CLEAR LAKE	0	0	0	0
WEST PALM BEACH	0	0	0	0
LAKE WORTH	0	0	0	0
BOYNTON	0	0	0	0
DELRAY	0	0	0	0
HIGHLAND	0	0	0	0
BOCA	0	0	0	0
DEERFIELD	0	0	0	0
POMPANO	0	0	0	0
N. LAUDERDALE	3	0	0	0
LAUDERDALE	0	0	0	0
FTL AIRPORT	2	0	0	0
DAVIE	0	0	0	0
PEMBROKE PINES	0	0	0	0
HOLLYWOOD	17	0	0	0
N. MIAMI BEACH	0	0	0	0
NORTH MIAMI	0	0	0	0
MIAMI	0	0	0	0
CUTLER RIDGE	0	0	0	0
EVERGLADES	0	0	0	0
HOMESTEAD	0	0	0	0
FLORIDA CITY	0	0	0	0
TAYLOR	5	0	0	0

Frequency & Severity of Water Restriction Triggers for

SFWMM v3.7 - LEC_1 (LEC2020 Plan)

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

North Palm Beach County − 95BSR



Total number of water years with restrictions = 10
Target number of water years with restrictions = 3

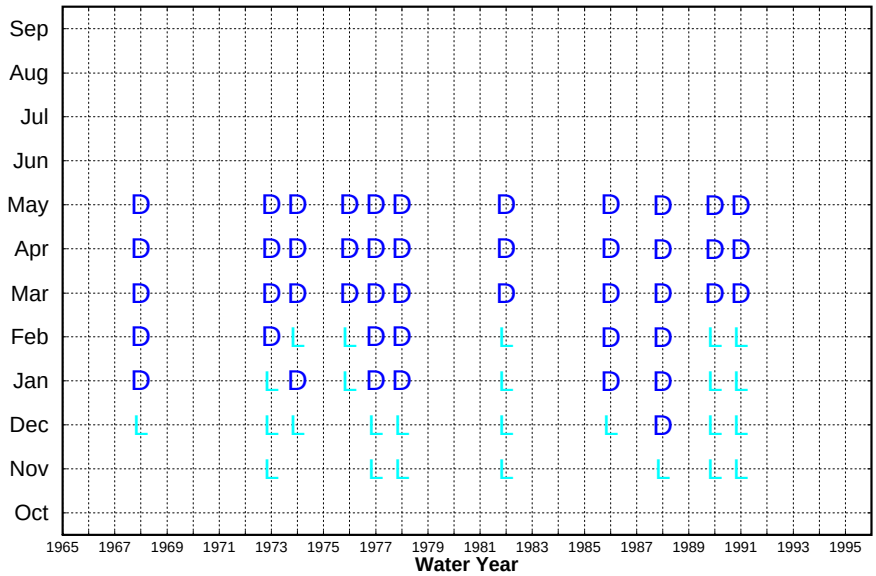
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:33
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

North Palm Beach County − 20BSR



Total number of water years with restrictions = 11
Target number of water years with restrictions = 3

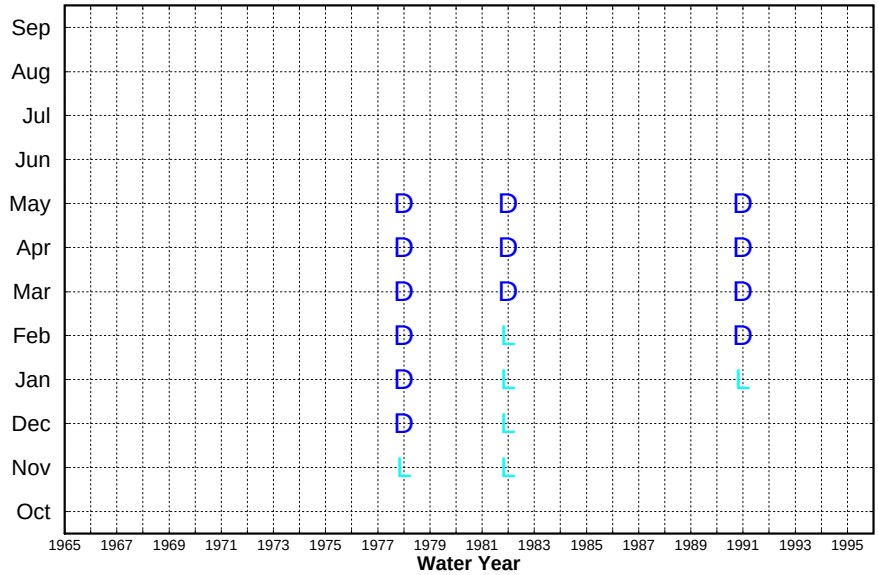
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:38
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

North Palm Beach County − 2020WR



Total number of water years with restrictions = 3
Target number of water years with restrictions = 3

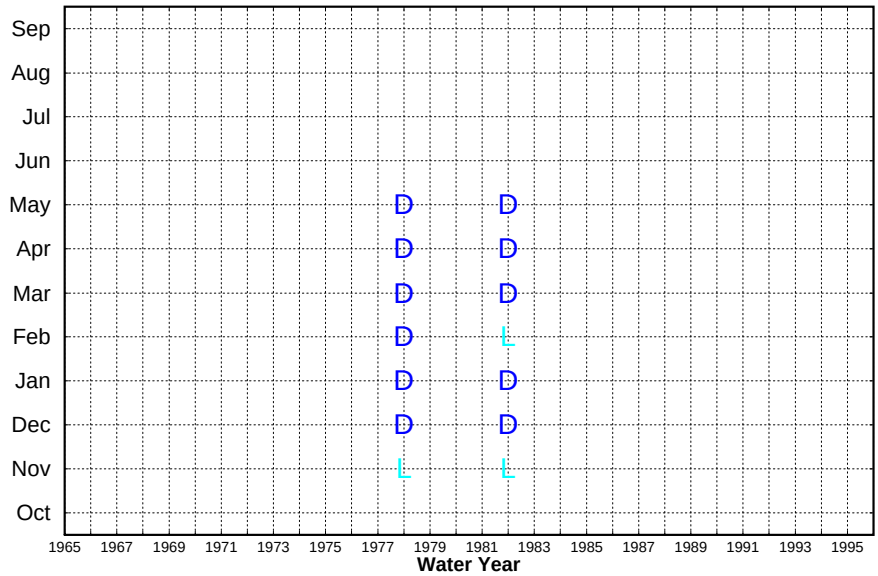
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:43
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

North Palm Beach County − LEC1

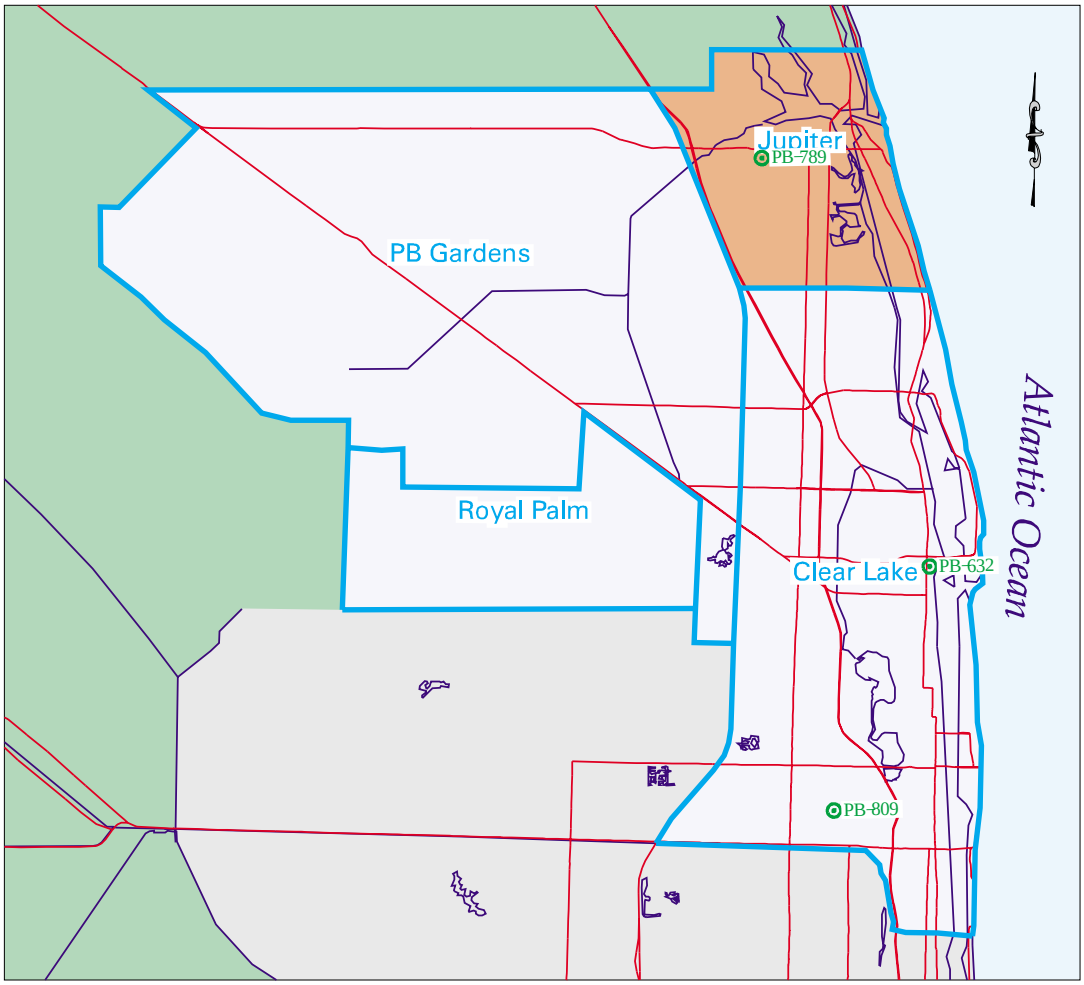


Total number of water years with restrictions = 2
Target number of water years with restrictions = 3

1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:49
For Planning Purposes Only
SFWMM V3.7



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Jupiter	25	31	127	0	0	0
PB Gardens	151	31	0	0	0	0
Clear Lake	151	31	0	0	0	0
Royal Palm	151	31	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered
Phase 3 Triggered
Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

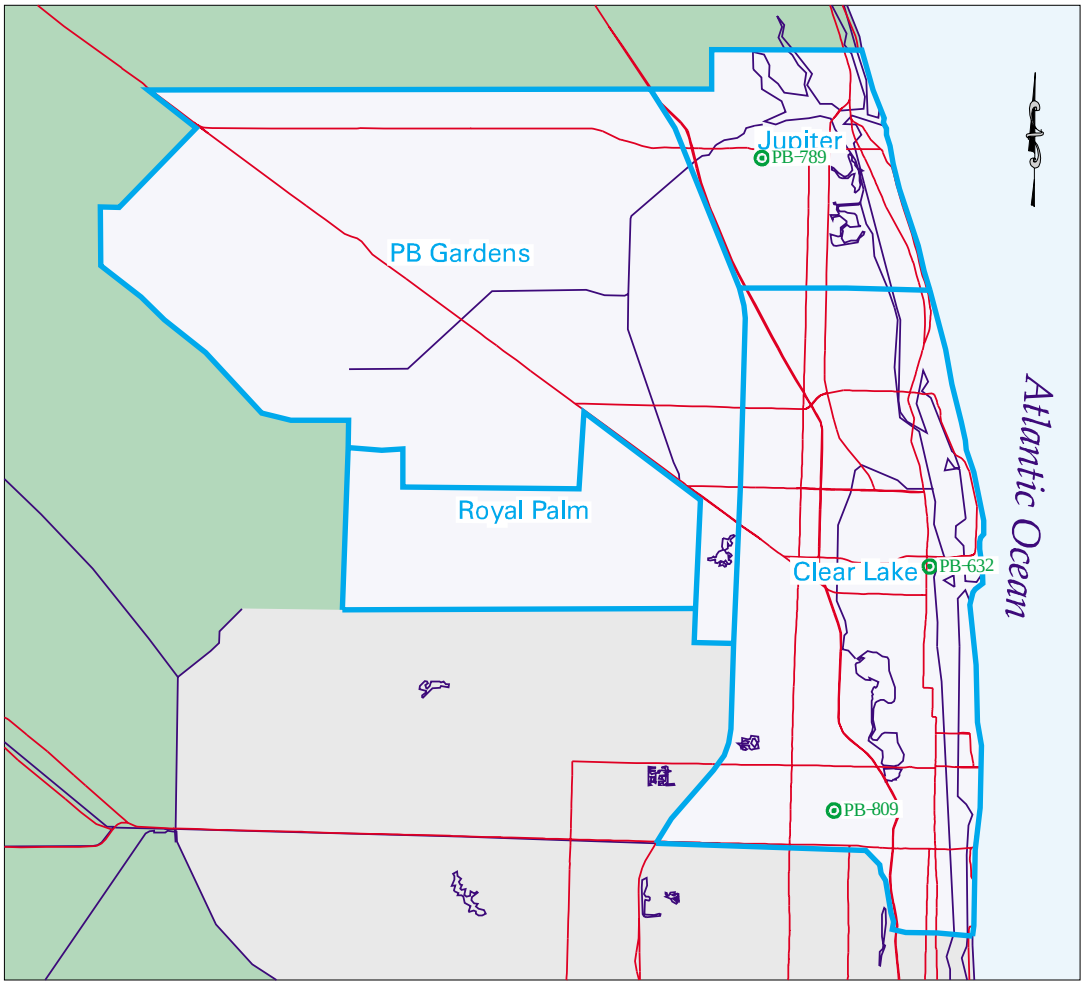
Frequency & Severity of Water Restrictions by Water Restriction Area

North Palm Beach Groundwater Model

95BASE LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only

Postdate: 021500



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Jupiter	92	120	0	0	0	0
PB Gardens	92	119	0	0	0	0
Clear Lake	92	120	0	0	0	0
Royal Palm	92	120	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered
Phase 3 Triggered
Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

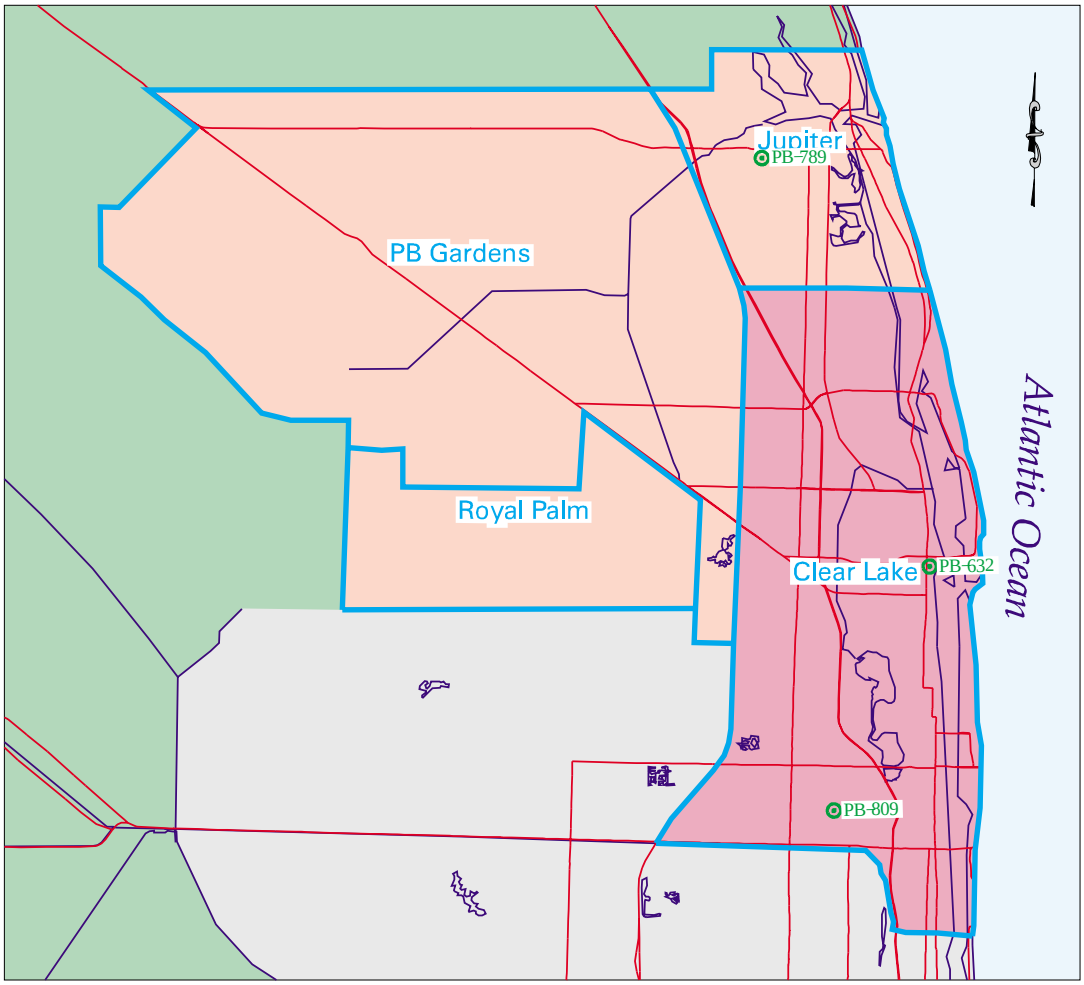
Frequency & Severity of Water Restrictions by Water Restriction Area

North Palm Beach Groundwater Model

20BASE LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only

Postdate: 021500



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Jupiter	10	0	112	7	0	0
PB Gardens	10	0	112	7	0	0
Clear Lake	4	0	75	112	7	0
Royal Palm	10	0	112	7	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered

Phase 3 Triggered

Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

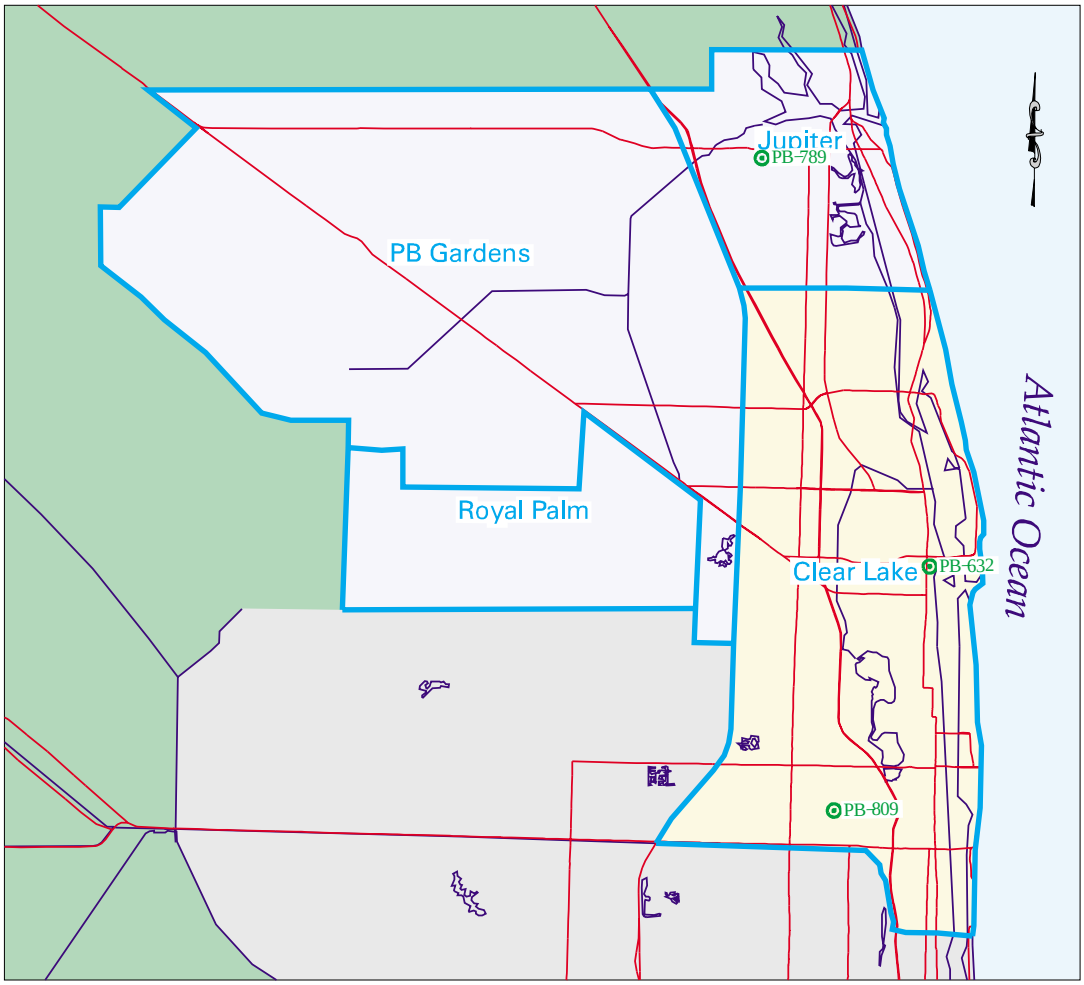
Frequency & Severity of Water Restrictions by Water Restriction Area

North Palm Beach Groundwater Model

20WRES LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only

Postdate: 021500



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Jupiter	0	0	0	0	0	0
PB Gardens	0	0	0	0	0	0
Clear Lake	86	0	19	0	0	0
Royal Palm	0	0	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered
Phase 3 Triggered
Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

Frequency & Severity of Water Restrictions by Water Restriction Area

North Palm Beach Groundwater Model

LEC1 LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only

Postdate: 021500

Model Head Difference (Drawdown) Events

North Palm Beach

FOR INTERNAL USE ONLY

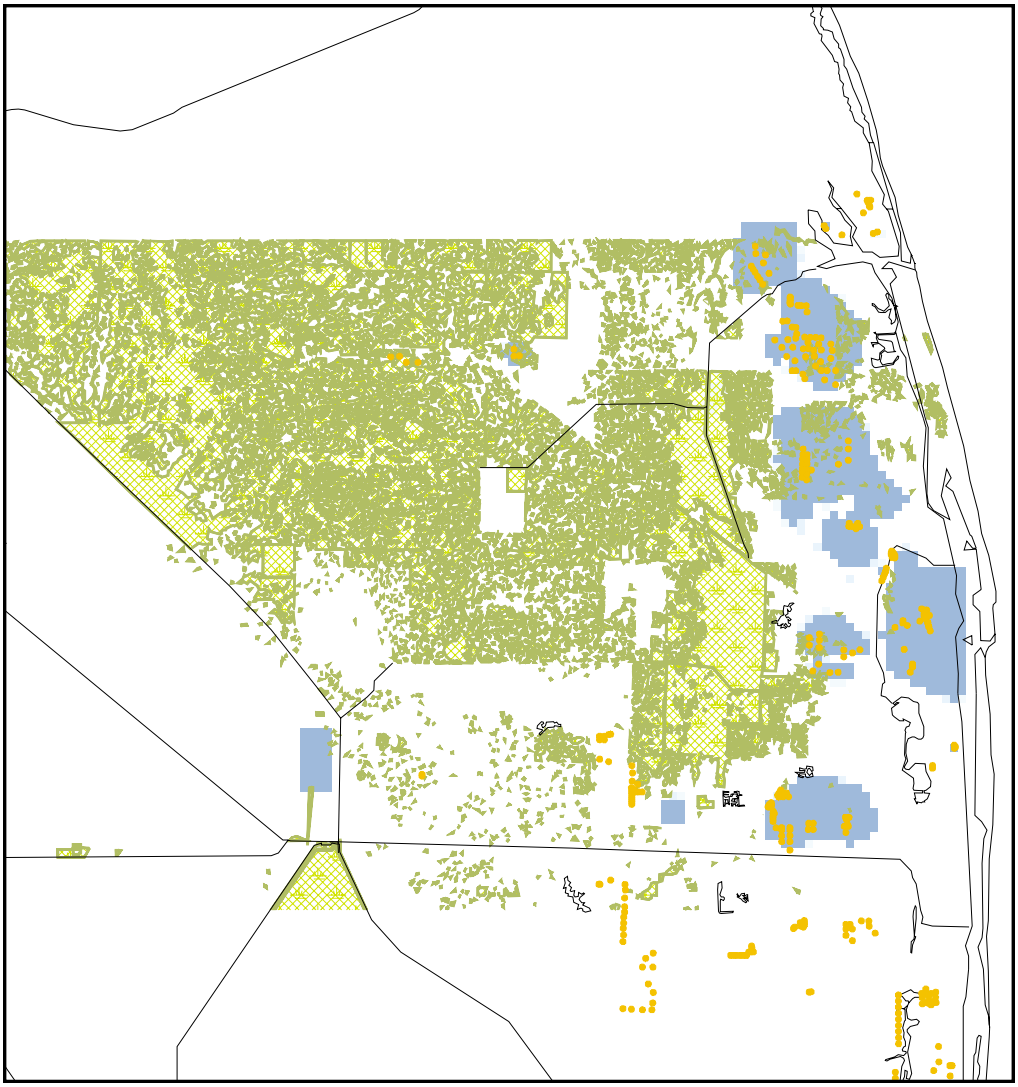
The wetlands on this map are not jurisdictional and are not intended for regulatory purposes

LEC1

Number of Events (LEC1A - LEC1)

1 −50 51 −100 101 −336

Wetlands (Freshwater - excluding Open Water)

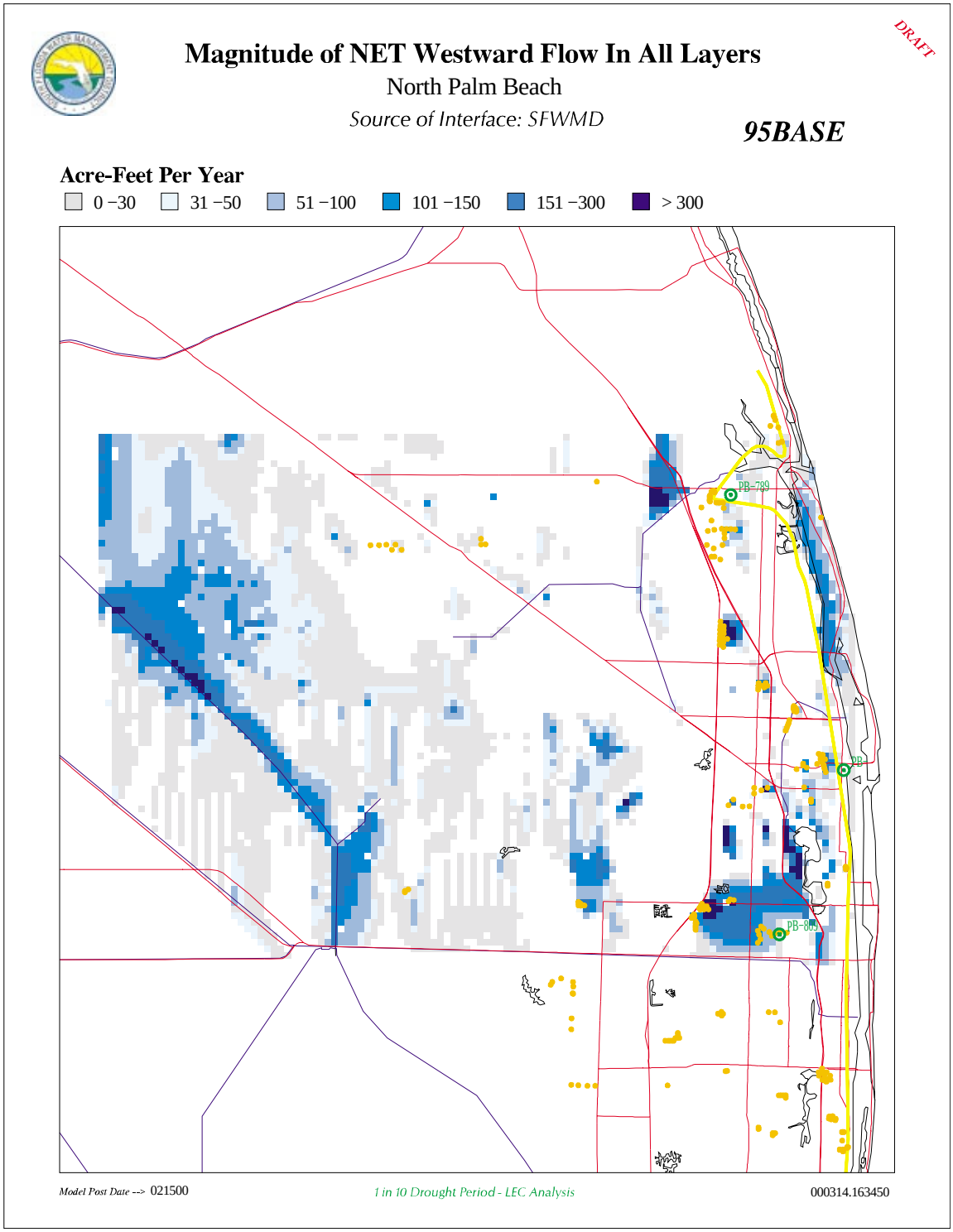


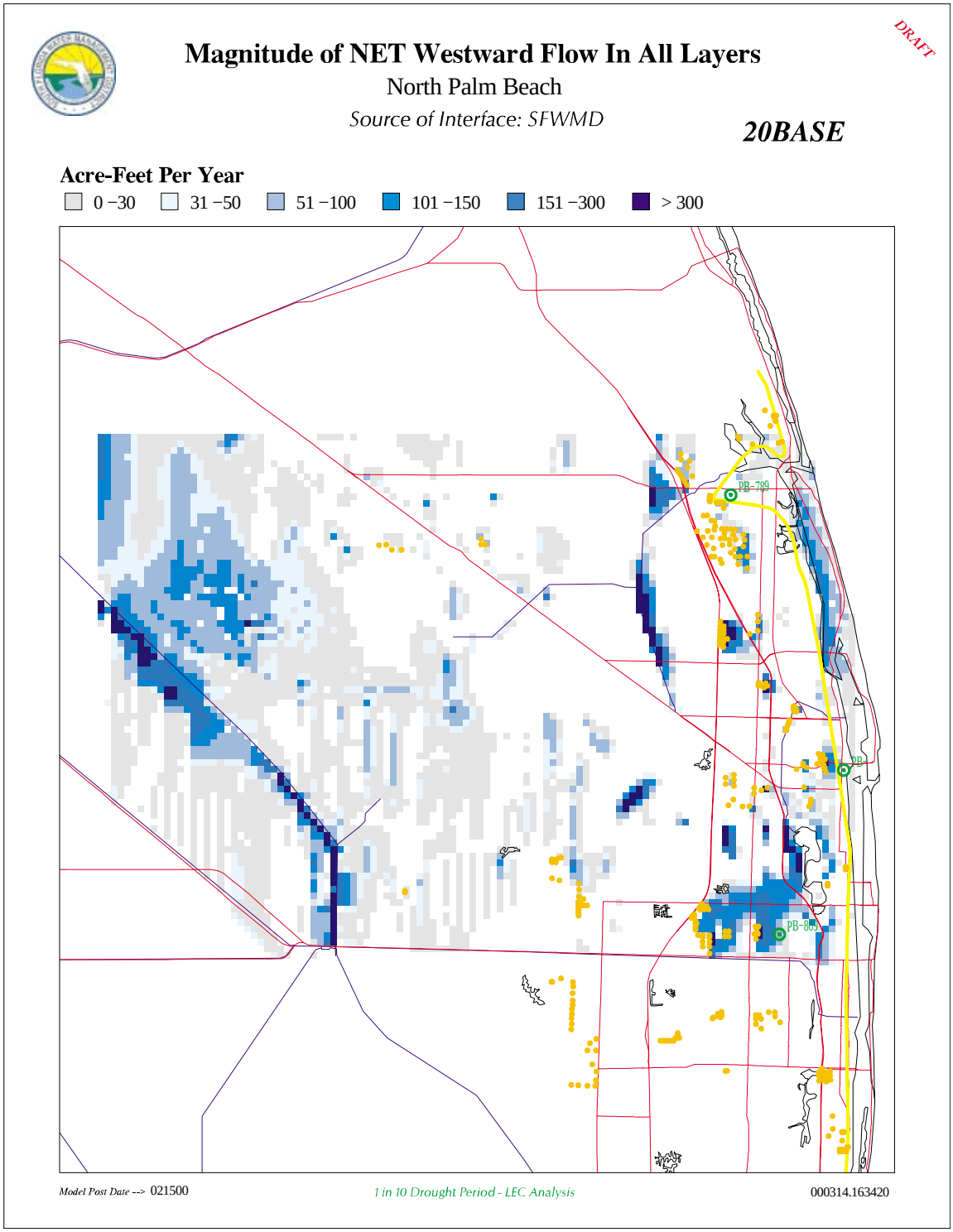
...an EVENT represents an instance when the 30-day average head difference is greater than or equal to 1 foot.

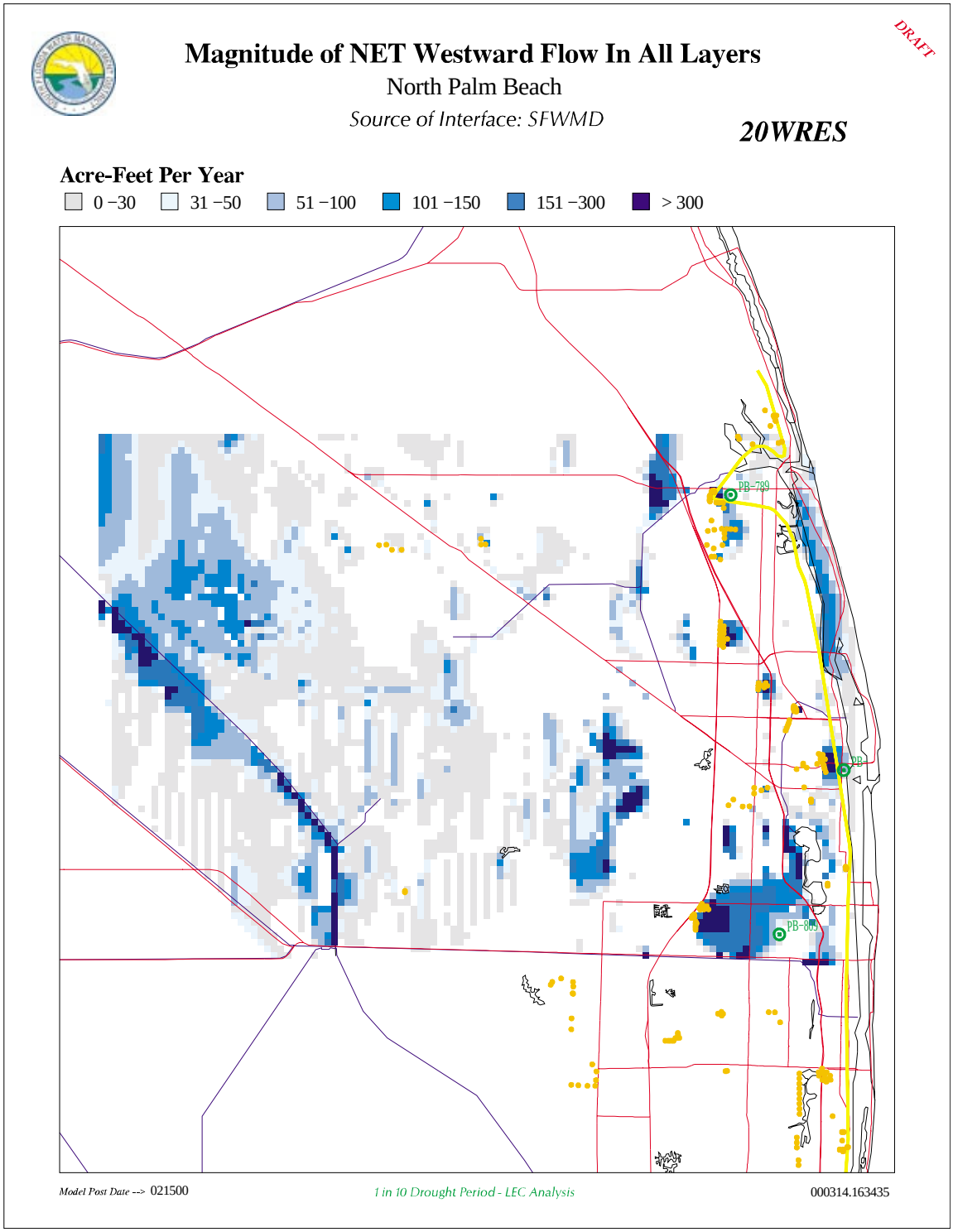
Model Post Date --> 021500

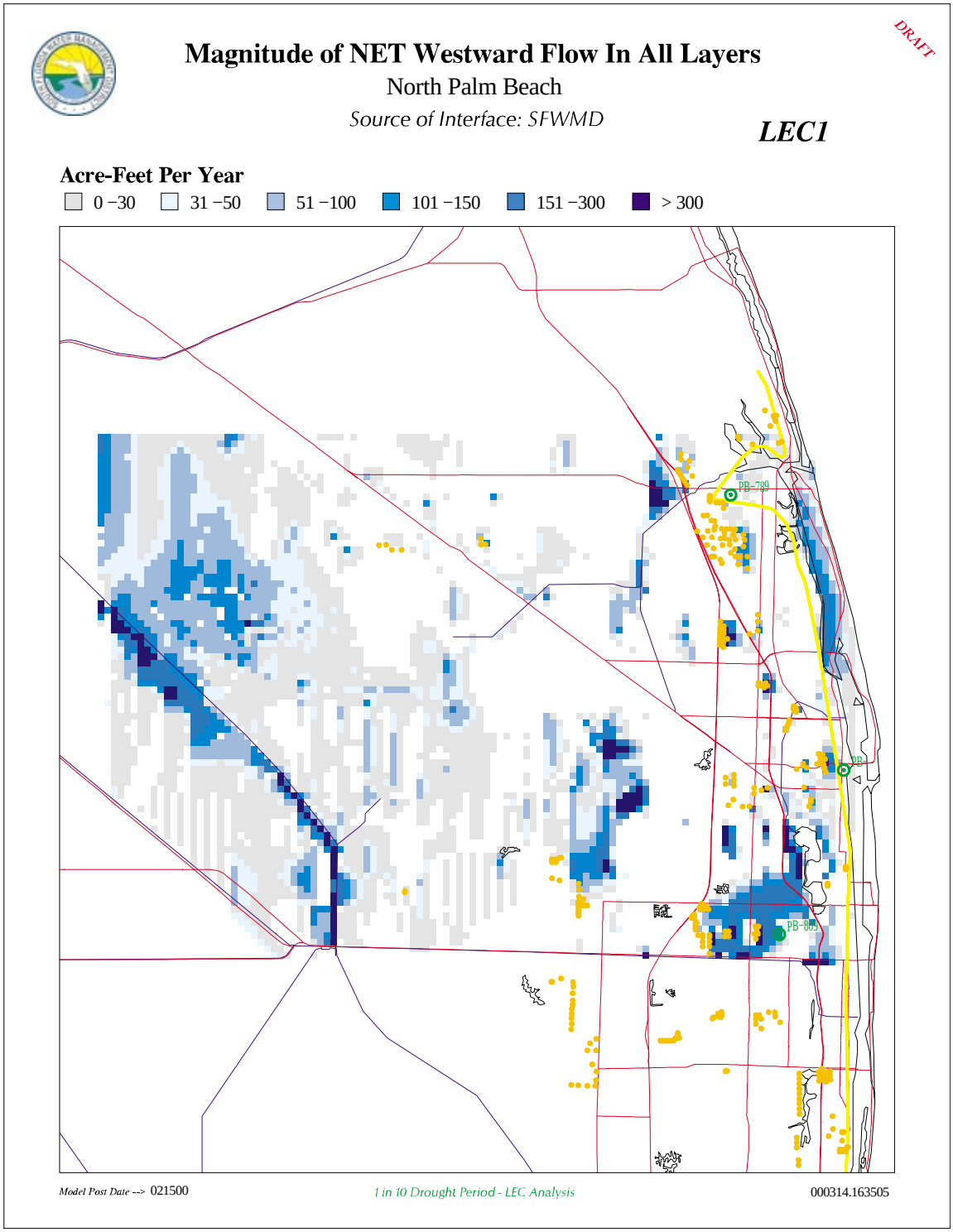
1 in 10 Drought Period −LEC Analysis

000316.150222


DRAFT
Magnitude of NET Westward Flow In All Layers
North Palm Beach
Source of Interface: SFWMD
95BASE
Acre-Feet Per Year
0 −30
31 −50
51 −100
101 −150
151 −300
> 300
PB-789
PB
PB-800
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163450

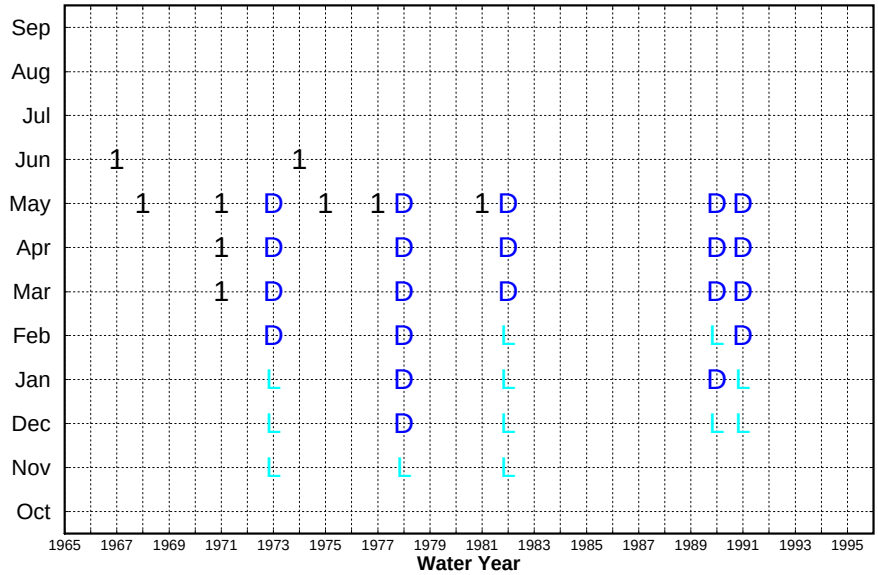

DRAFT
Magnitude of NET Westward Flow In All Layers
North Palm Beach
Source of Interface: SFWMD
20BASE
Acre-Feet Per Year
0 -30
31 -50
51 -100
101 -150
151 -300
> 300
PB-789
PB-
PB-8
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163420


DRAFT
Magnitude of NET Westward Flow In All Layers
North Palm Beach
Source of Interface: SFWMD
20WRES
Acre-Feet Per Year
0 −30
31 −50
51 −100
101 −150
151 −300
> 300
PB-789
PB-
PB-880
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163435


DRAFT
Magnitude of NET Westward Flow In All Layers
North Palm Beach
Source of Interface: SFWMD
LEC1
Acre-Feet Per Year
0 −30
31 −50
51 −100
101 −150
151 −300
> 300
PB-789
PB-
PB-
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163505

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 1 − 95BSR



Total number of water years with restrictions = 12
Target number of water years with restrictions = 3

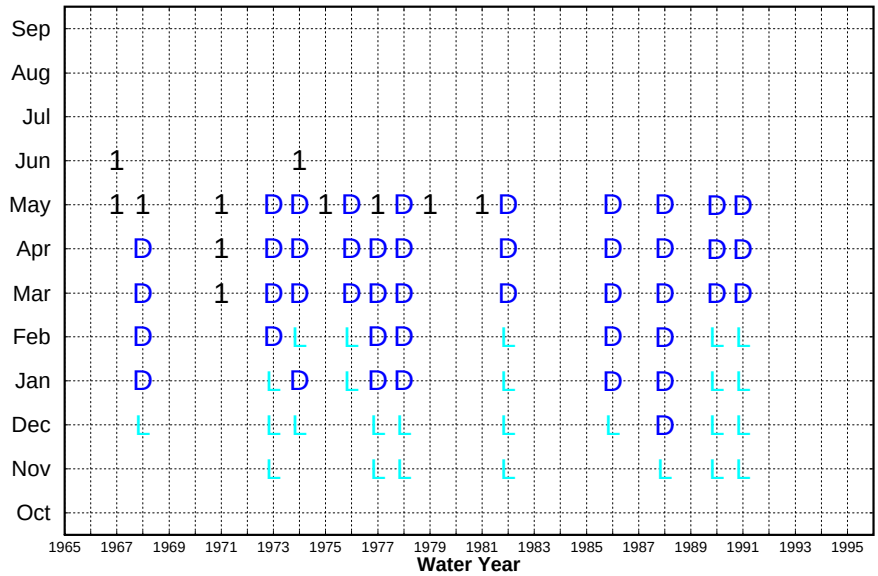
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:28
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 1 − 20BSR



Total number of water years with restrictions = 16
Target number of water years with restrictions = 3

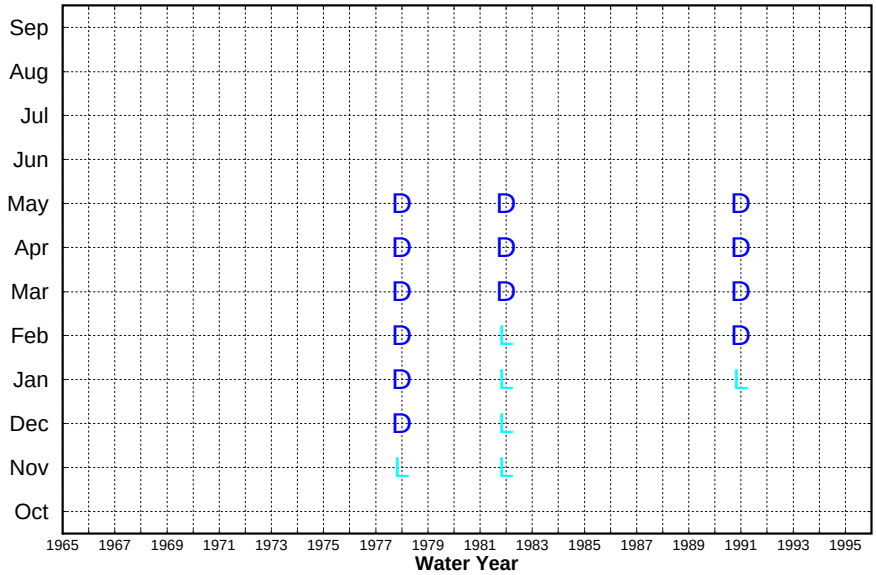
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:34
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 1 − 2020WR



Total number of water years with restrictions = 3
Target number of water years with restrictions = 3

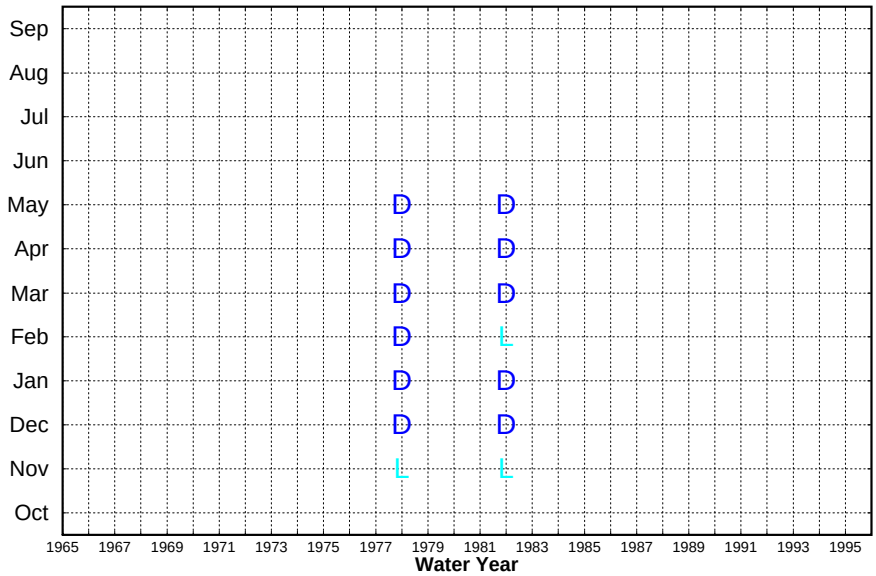
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:39
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 1 − LEC1

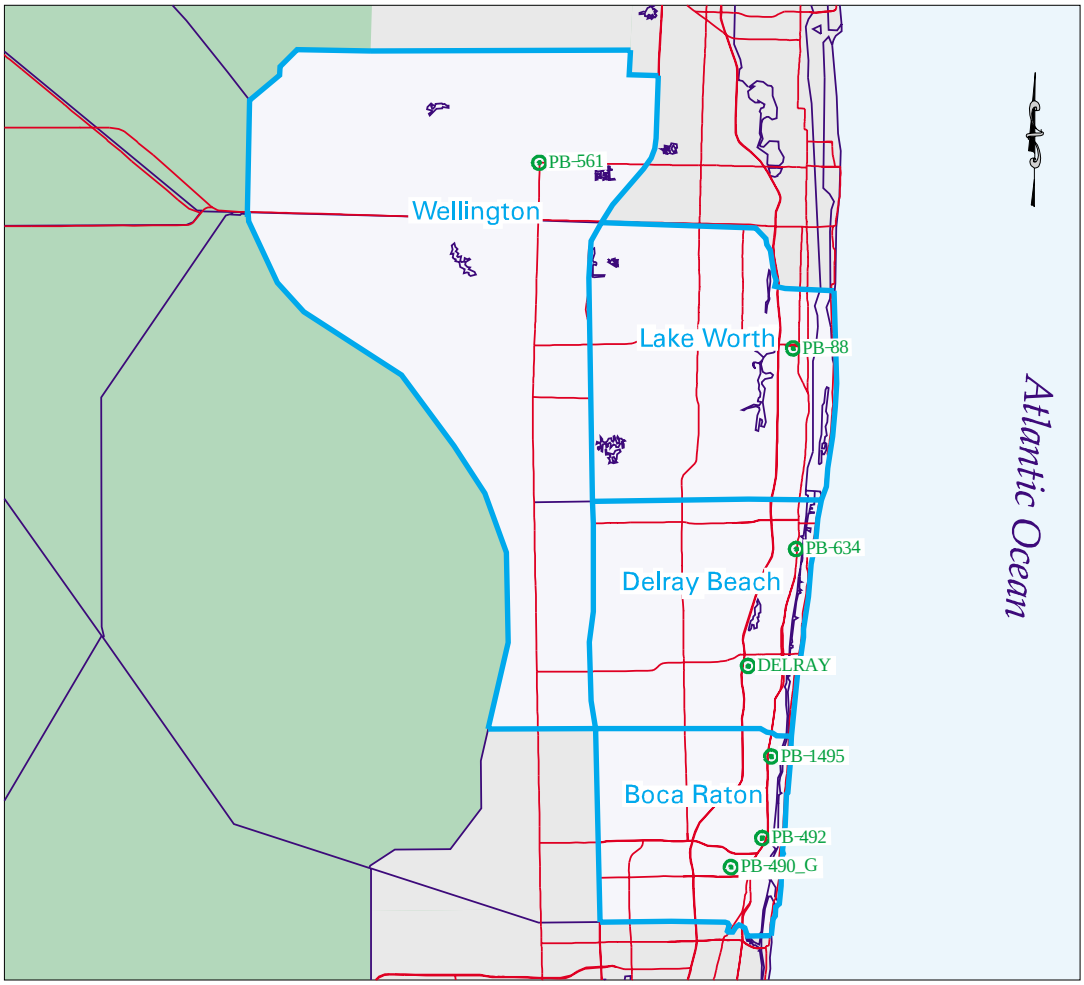


Total number of water years with restrictions = 2
Target number of water years with restrictions = 3

1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:45
For Planning Purposes Only
SFWMM V3.7



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Wellington	59	31	0	0	0	0
Lake Worth	59	31	0	0	0	0
Delray Beach	59	31	0	0	0	0
Boca Raton	59	31	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered
Phase 3 Triggered
Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

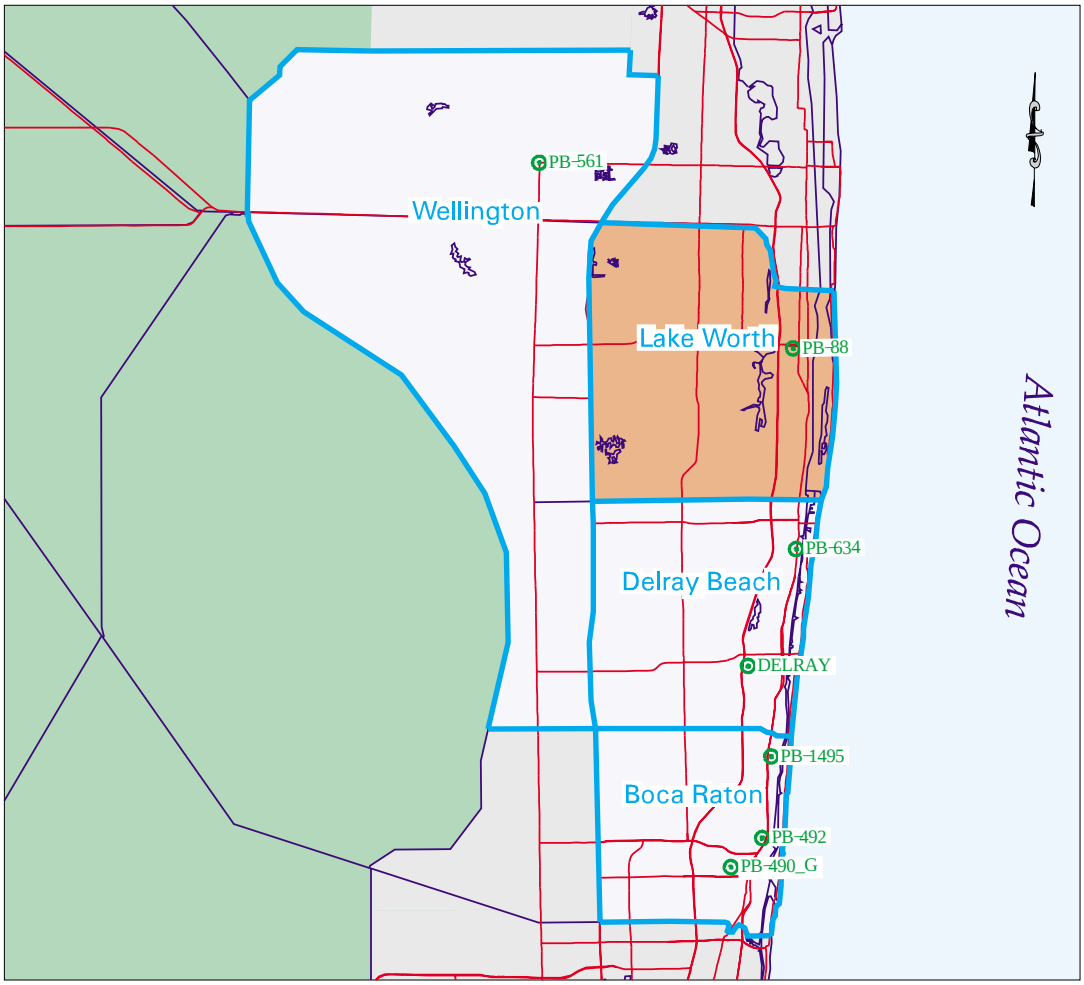
Frequency & Severity of Water Restrictions by Water Restriction Area

South Palm Beach Groundwater Model

95BASE LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only

Postdate: 021500



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Wellington	0	120	0	0	0	0
Lake Worth	0	118	114	0	0	0
Delray Beach	0	120	0	0	0	0
Boca Raton	0	120	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered
Phase 3 Triggered
Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

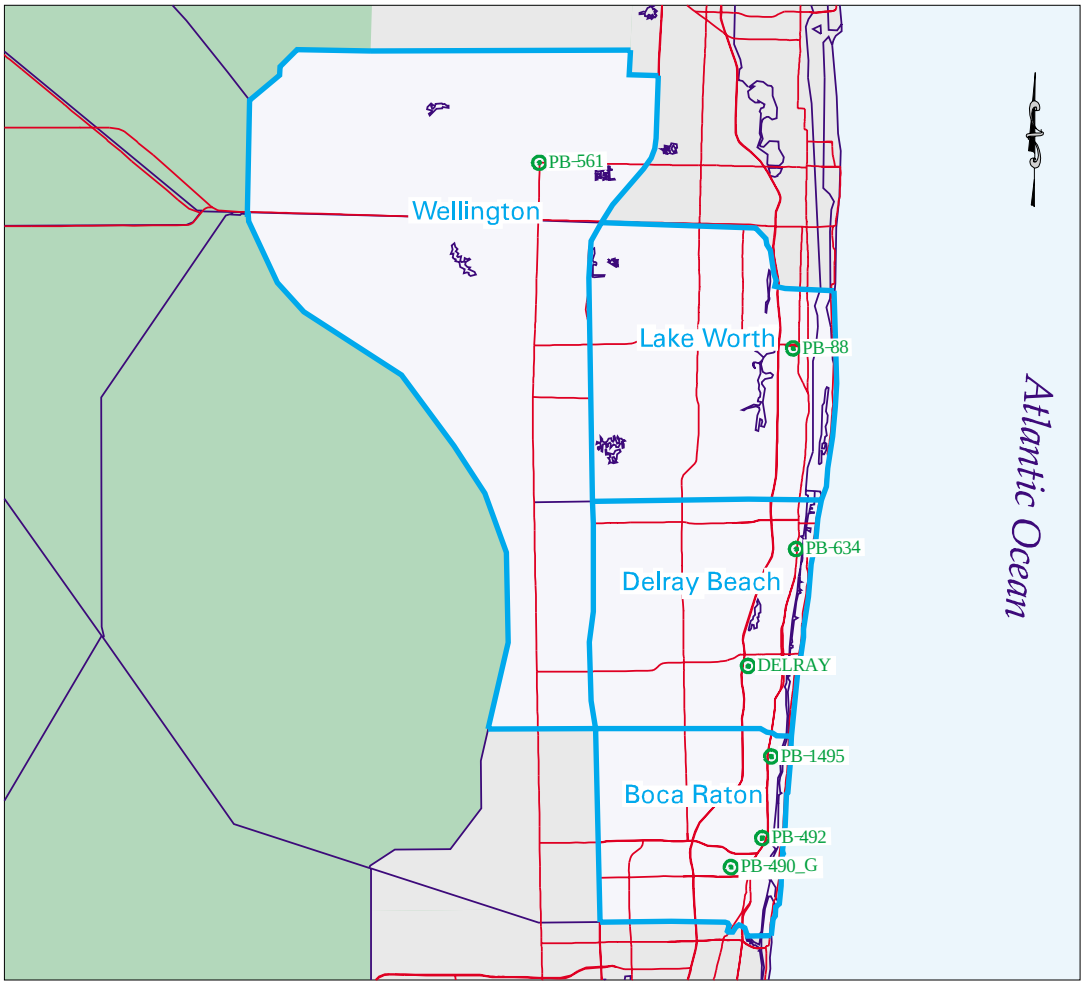
Frequency & Severity of Water Restrictions by Water Restriction Area

South Palm Beach Groundwater Model

20BASE LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only

Postdate: 021500



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Wellington	0	0	0	0	0	0
Lake Worth	0	0	0	0	0	0
Delray Beach	0	0	0	0	0	0
Boca Raton	0	0	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered

Phase 3 Triggered

Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

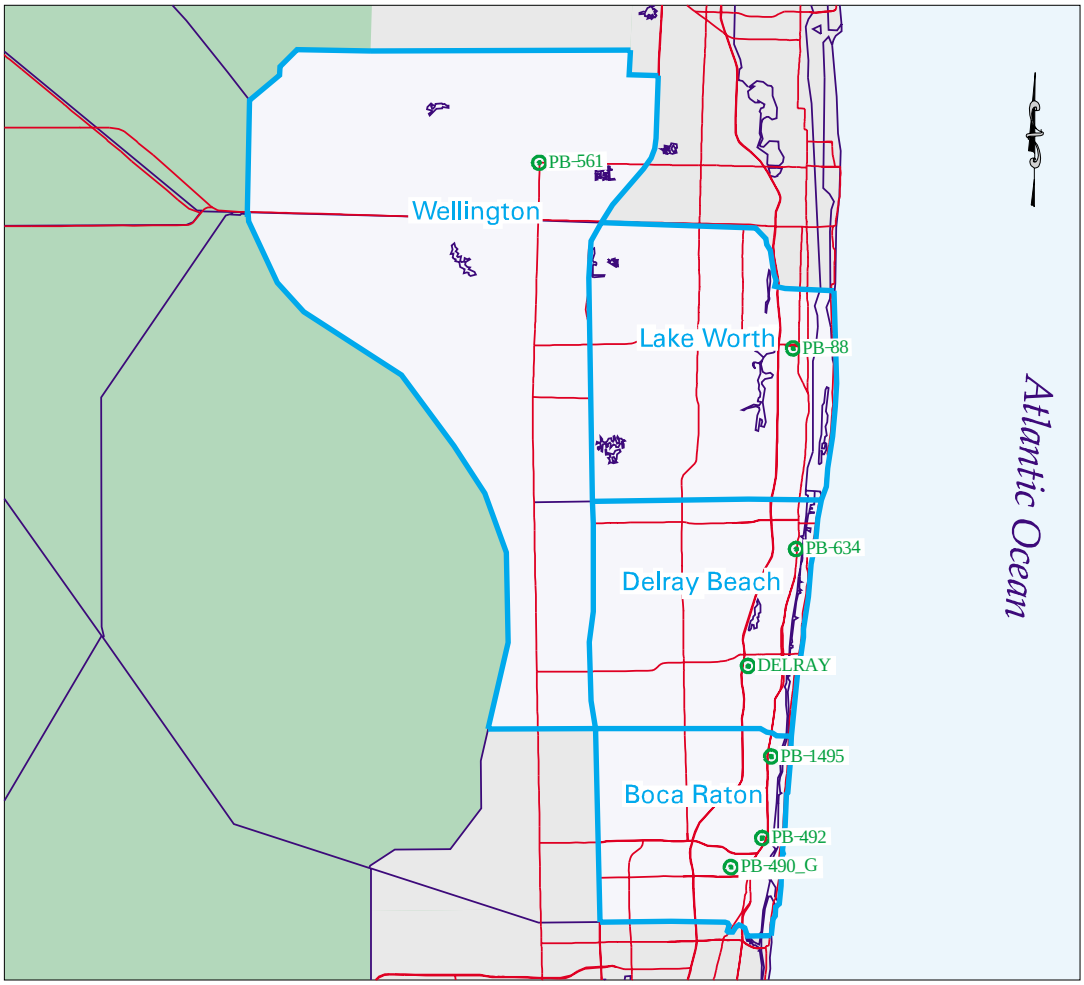
Frequency & Severity of Water Restrictions by Water Restriction Area

South Palm Beach Groundwater Model

20WRES LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only

Postdate: 021500



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Wellington	0	0	0	0	0	0
Lake Worth	0	0	0	0	0	0
Delray Beach	0	0	0	0	0	0
Boca Raton	0	0	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered

Phase 3 Triggered

Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

Frequency & Severity of Water Restrictions by Water Restriction Area

South Palm Beach Groundwater Model

LEC1 LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only

Postdate: 021500

Model Head Difference (Drawdown) Events

South Palm Beach

FOR INTERNAL USE ONLY

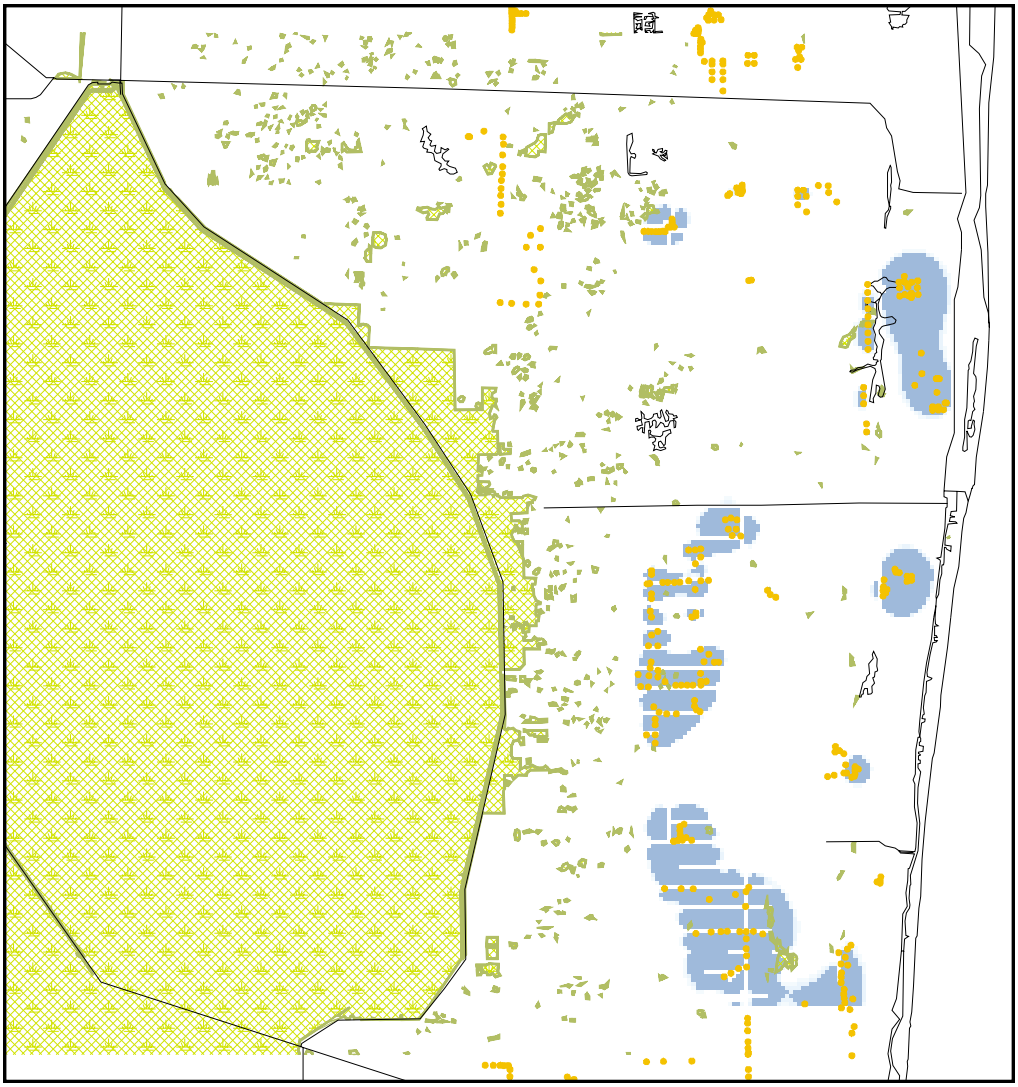
The wetlands on this map are not jurisdictional and are not intended for regulatory purposes

LEC1

Number of Events (LEC1A - LEC1)

1 −50 51 −100 101 −336

Wetlands (Freshwater - excluding Open Water)

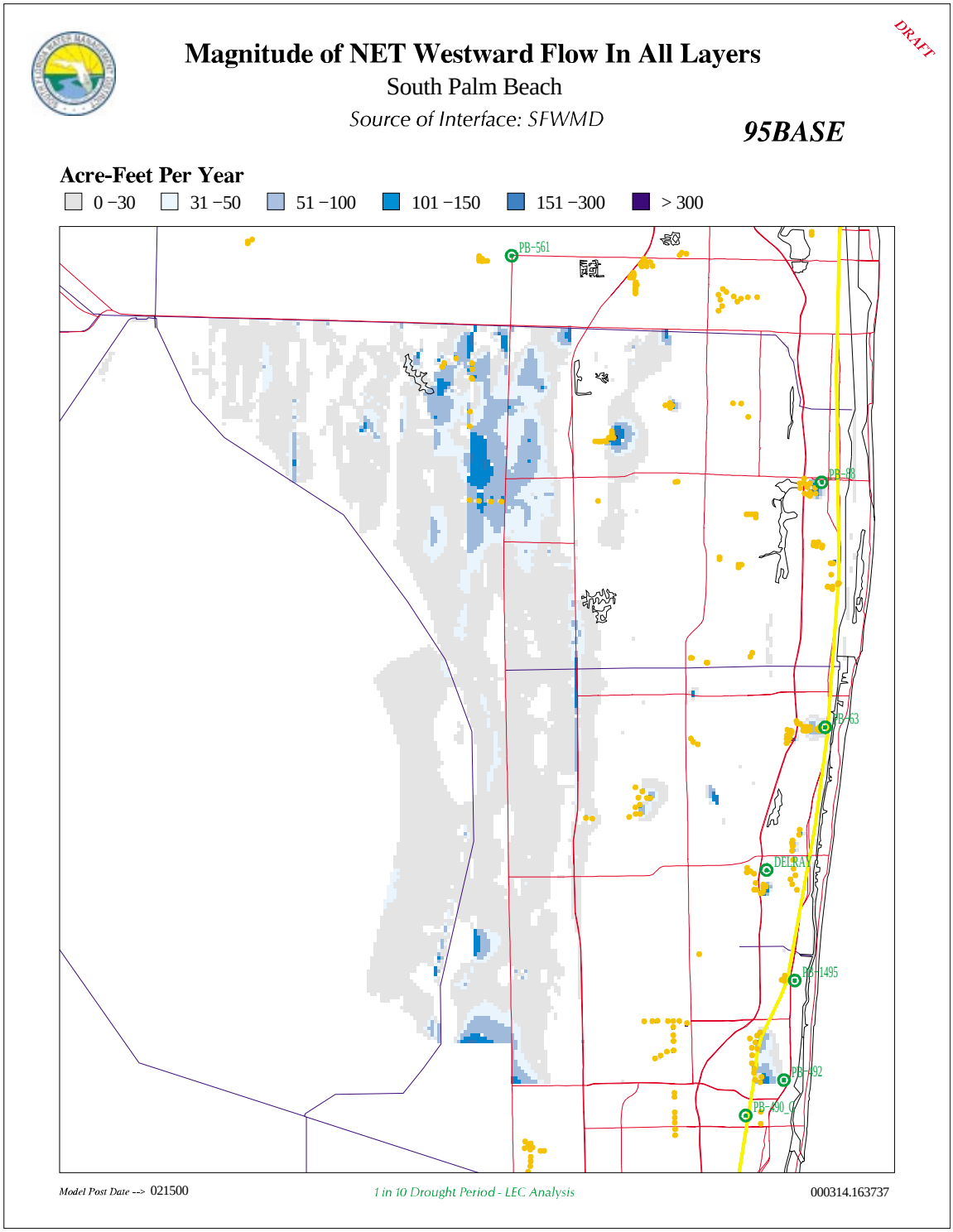


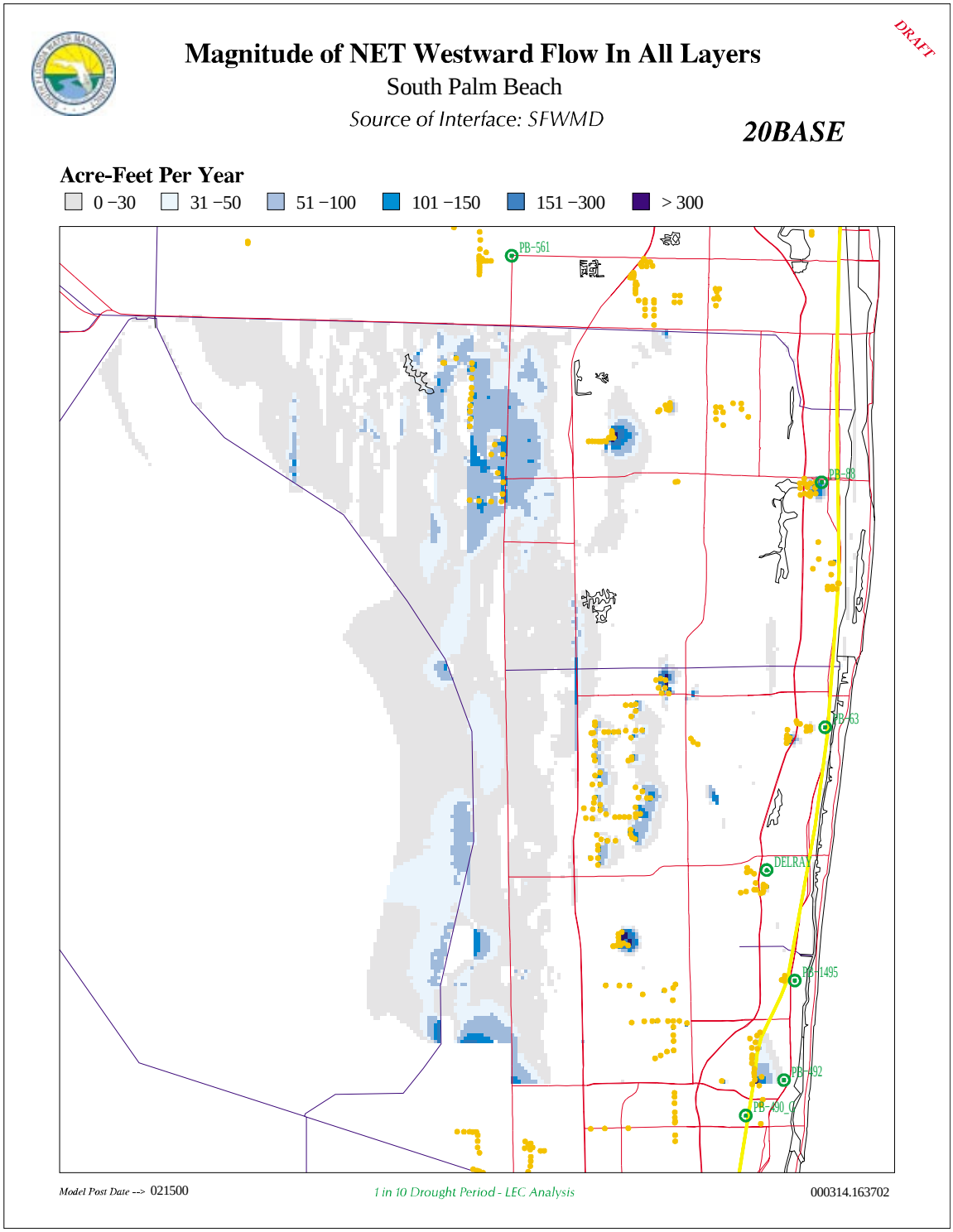
...an EVENT represents an instance when the 30-day average head difference is greater than or equal to 1 foot.

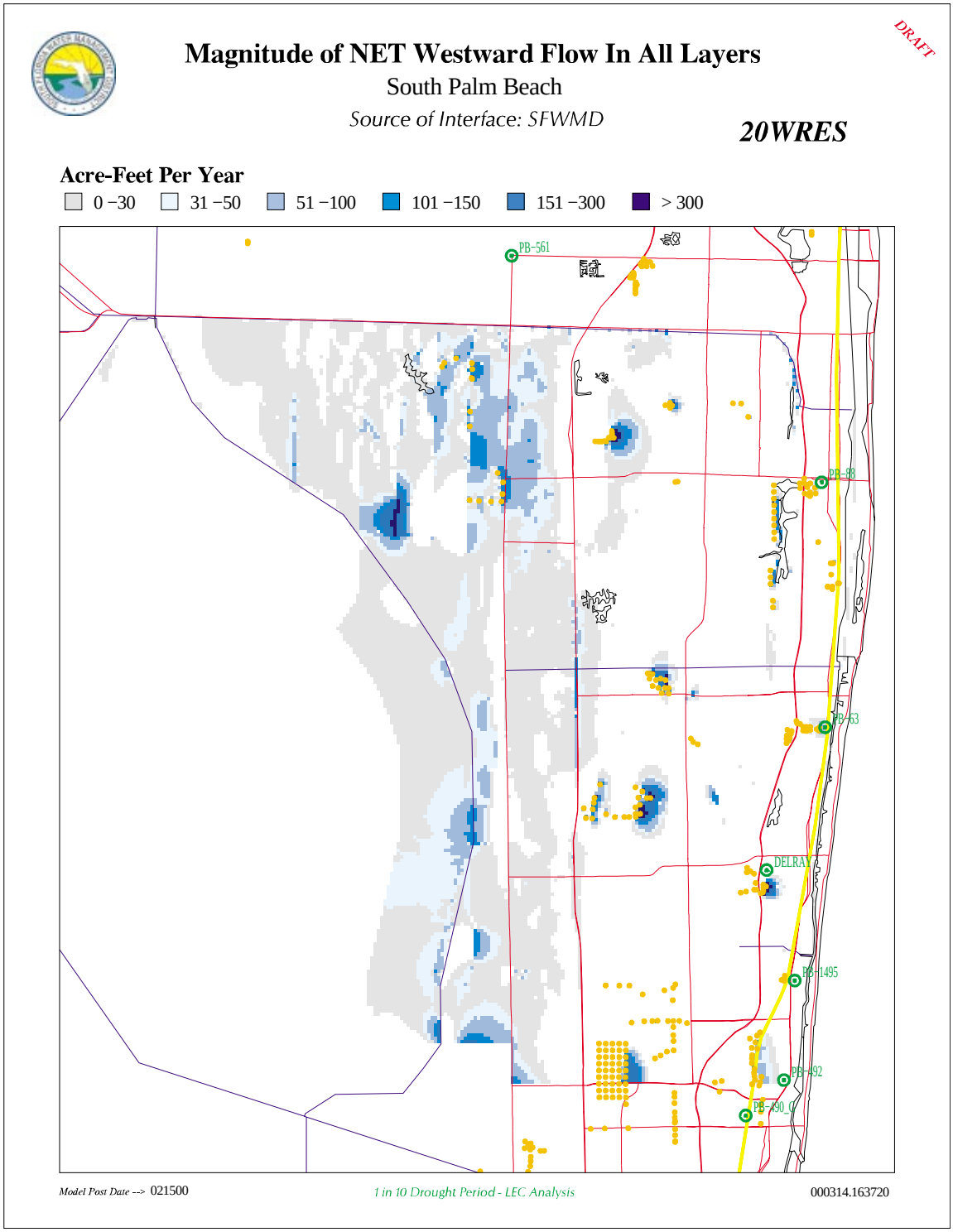
Model Post Date --> 021500

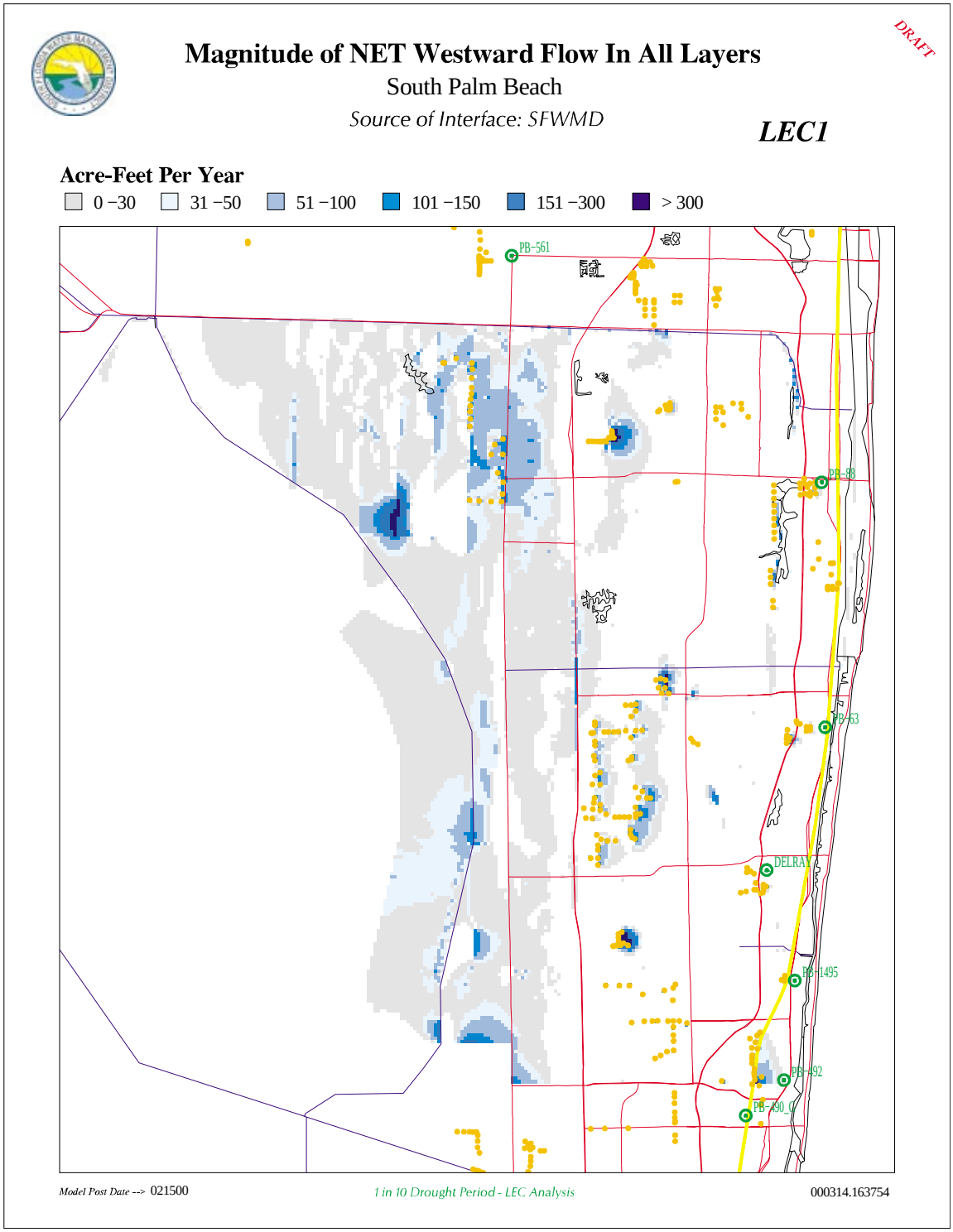
1 in 10 Drought Period −LEC Analysis

000316.154328


DRAFT
Magnitude of NET Westward Flow In All Layers
South Palm Beach
Source of Interface: SFWMD
95BASE
Acre-Feet Per Year
0 −30
31 −50
51 −100
101 −150
151 −300
> 300
PB-561
PB-88
PB-563
DELRAY2
PB-1495
PB-492
PB-490_C
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163737

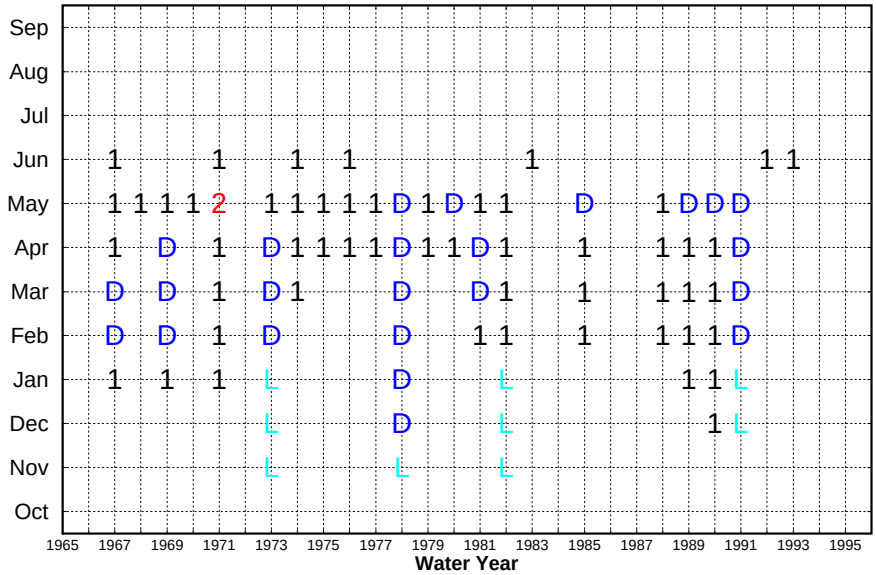

DRAFT
Magnitude of NET Westward Flow In All Layers
South Palm Beach
Source of Interface: SFWMD
20BASE
Acre-Feet Per Year
0 −30
31 −50
51 −100
101 −150
151 −300
> 300
PB-561
PB-98
PB-763
DELRAY
PB-1495
PB-492
PB-490_Q
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163702


DRAFT
Magnitude of NET Westward Flow In All Layers
South Palm Beach
Source of Interface: SFWMD
20WRES
Acre-Feet Per Year
0 −30
31 −50
51 −100
101 −150
151 −300
> 300
PB-561
PB-88
PB-563
DELRAY 2
PB-1495
PB-492
PB-490_C
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163720


DRAFT
Magnitude of NET Westward Flow In All Layers
South Palm Beach
Source of Interface: SFWMD
LEC1
Acre-Feet Per Year
0 −30
31 −50
51 −100
101 −150
151 −300
> 300
PB-561
PB-98
PB-753
DELRAY
PB-1495
PB-492
PB-490_Q
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163754

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 2 − 95BSR



Total number of water years with restrictions = 23
Target number of water years with restrictions = 3

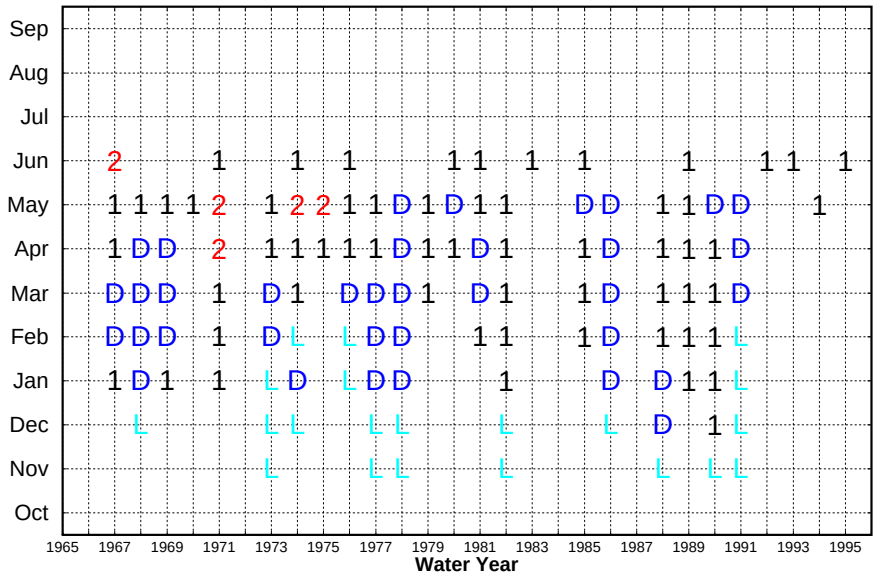
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:30
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 2 − 20BSR



Total number of water years with restrictions = 26
Target number of water years with restrictions = 3

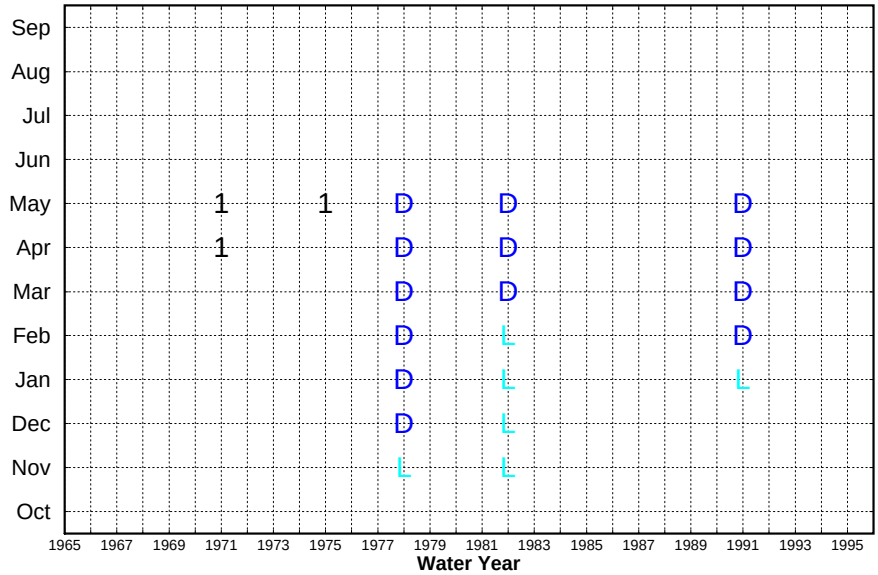
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:35
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 2 − 2020WR



Total number of water years with restrictions = 5
Target number of water years with restrictions = 3

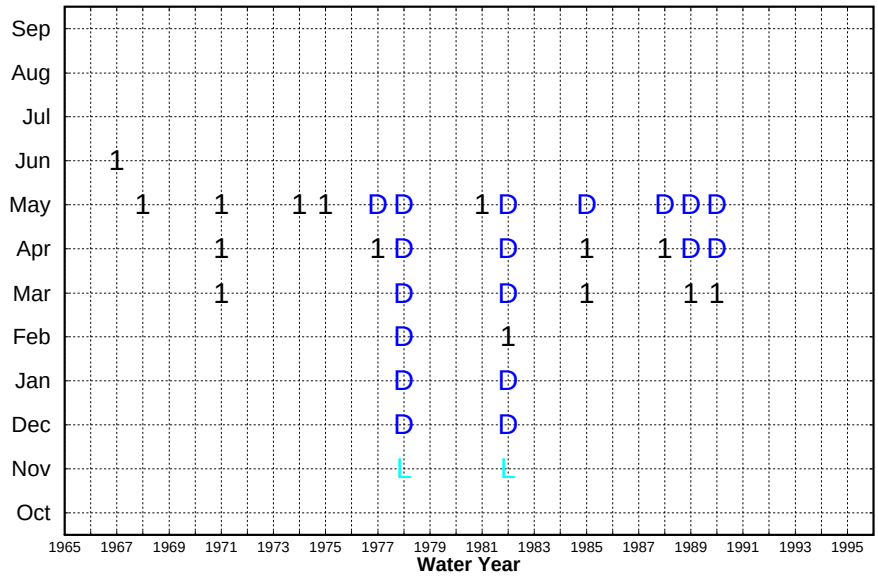
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:41
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 2 − LEC1

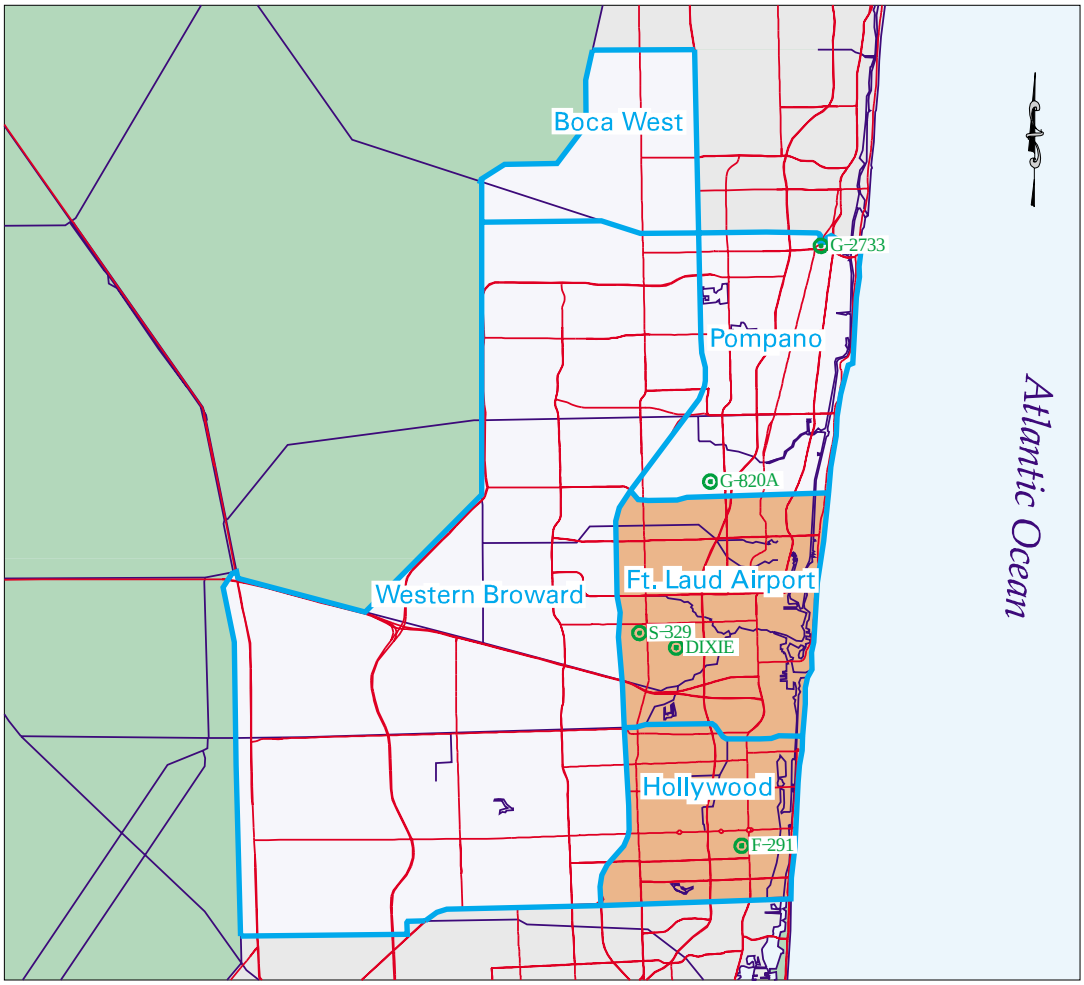


Total number of water years with restrictions = 13
Target number of water years with restrictions = 3

1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:46
For Planning Purposes Only
SFWMM V3.7



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Boca West	150	31	0	0	0	0
Western Broward	150	31	0	0	0	0
Pompano	150	31	0	0	0	0
Ft. Laud Airport	6	31	157	0	0	0
Hollywood	4	31	194	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

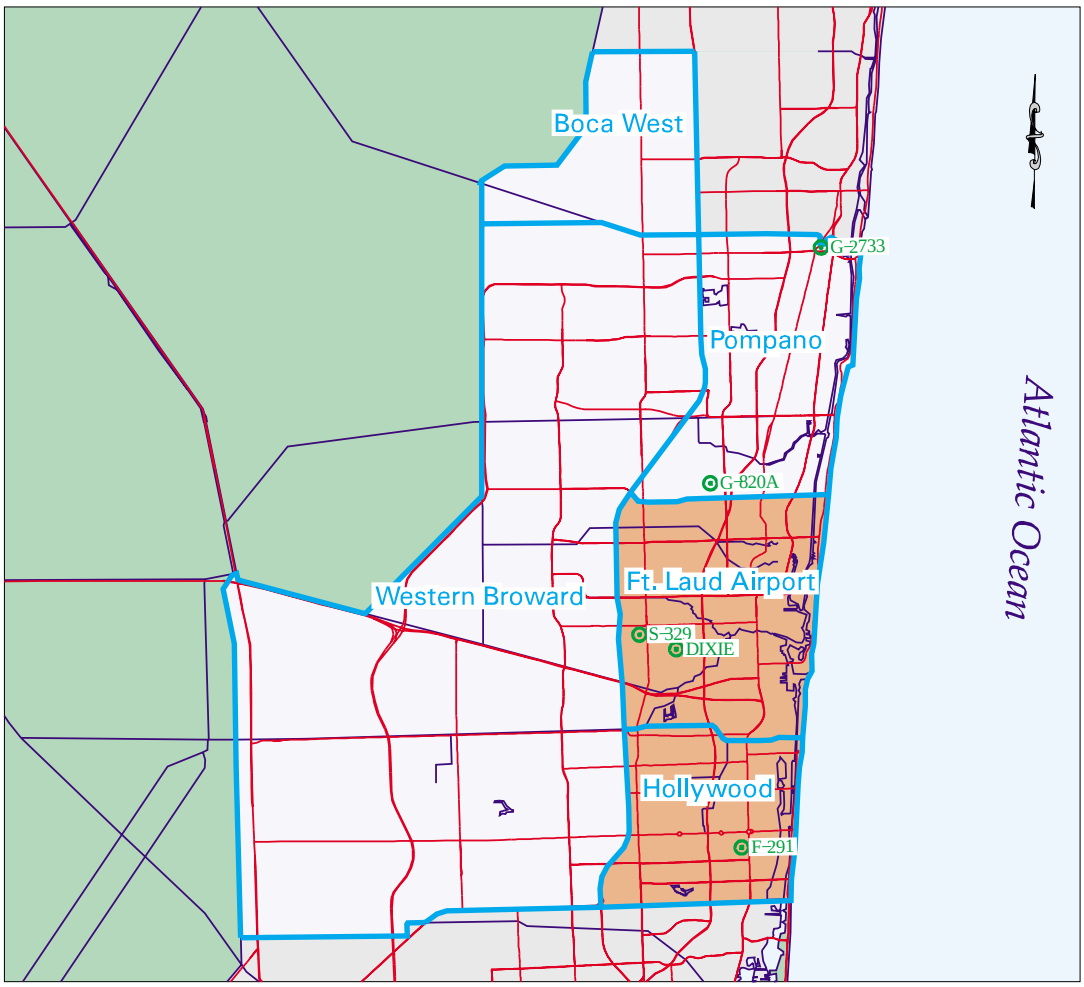
Phase 2 Triggered
Phase 3 Triggered
Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

Frequency & Severity of Water Restrictions by Water Restriction Area
Broward and Southern Palm Beach Groundwater Model
95BASE LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only

Postdate: 021500



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Boca West	150	61	0	0	0	0
Western Broward	150	61	0	0	0	0
Pompano	150	61	0	0	0	0
Ft. Laud Airport	0	24	188	0	0	0
Hollywood	0	36	192	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered

Phase 3 Triggered

Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

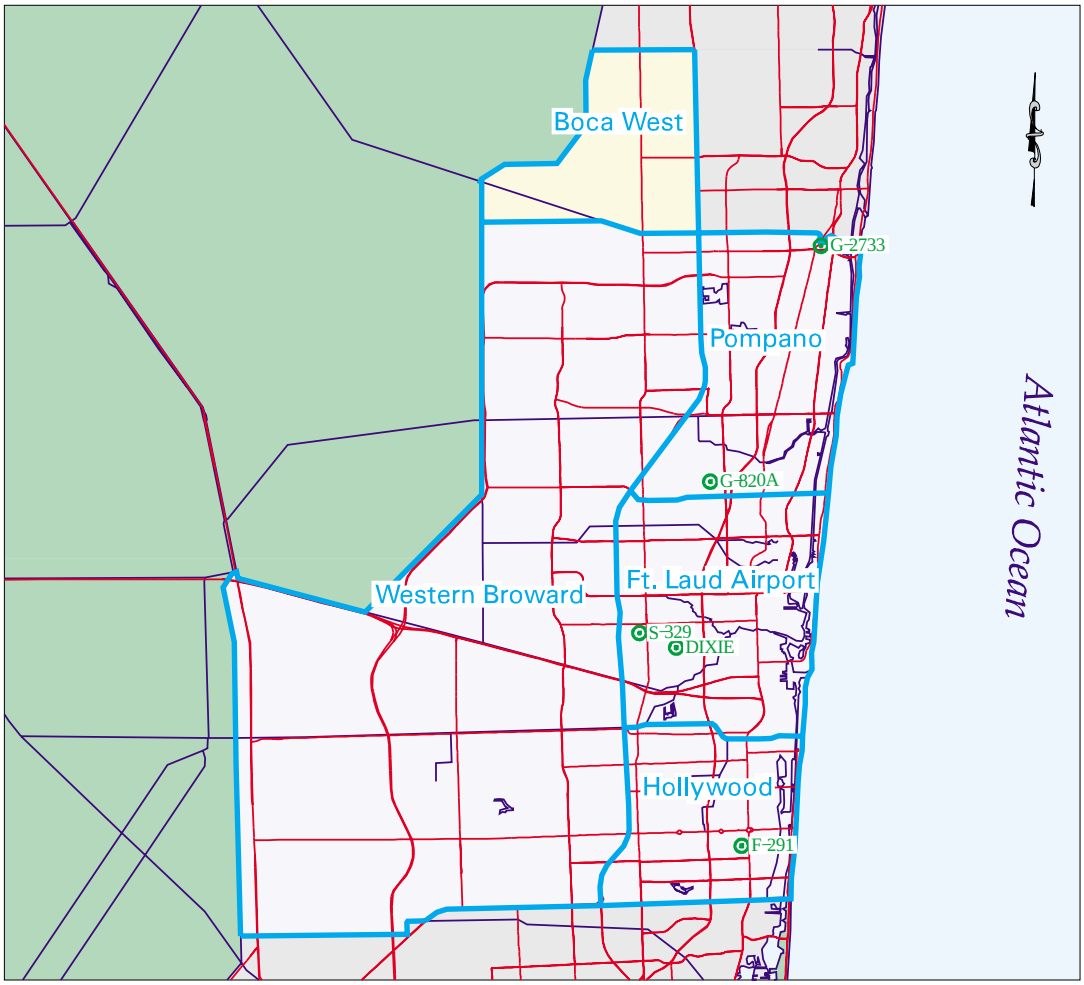
Frequency & Severity of Water Restrictions by Water Restriction Area

Broward and Southern Palm Beach Groundwater Model

20BASE LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only

Postdate: 021500



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Boca West	97	0	14	0	0	0
Western Broward	0	0	0	0	0	0
Pompano	0	0	0	0	0	0
Ft. Laud Airport	0	0	0	0	0	0
Hollywood	0	0	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

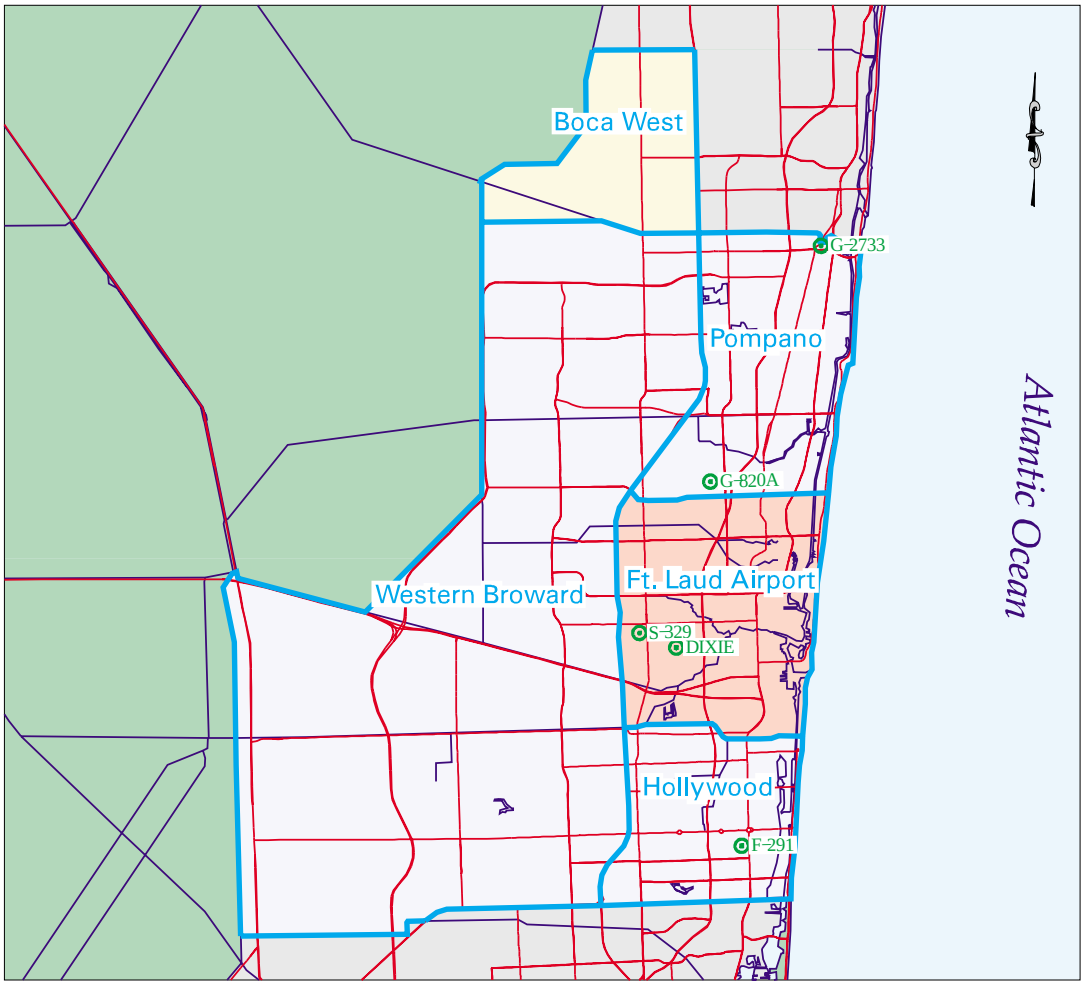
Phase 2 Triggered
Phase 3 Triggered
Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

Frequency & Severity of Water Restrictions by Water Restriction Area
Broward and Southern Palm Beach Groundwater Model
20WRES LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only

Postdate: 021500



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Boca West	97	0	31	0	0	0
Western Broward	0	0	0	0	0	0
Pompano	0	0	0	0	0	0
Ft. Laud Airport	0	0	183	42	0	0
Hollywood	0	0	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered

Phase 3 Triggered

Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

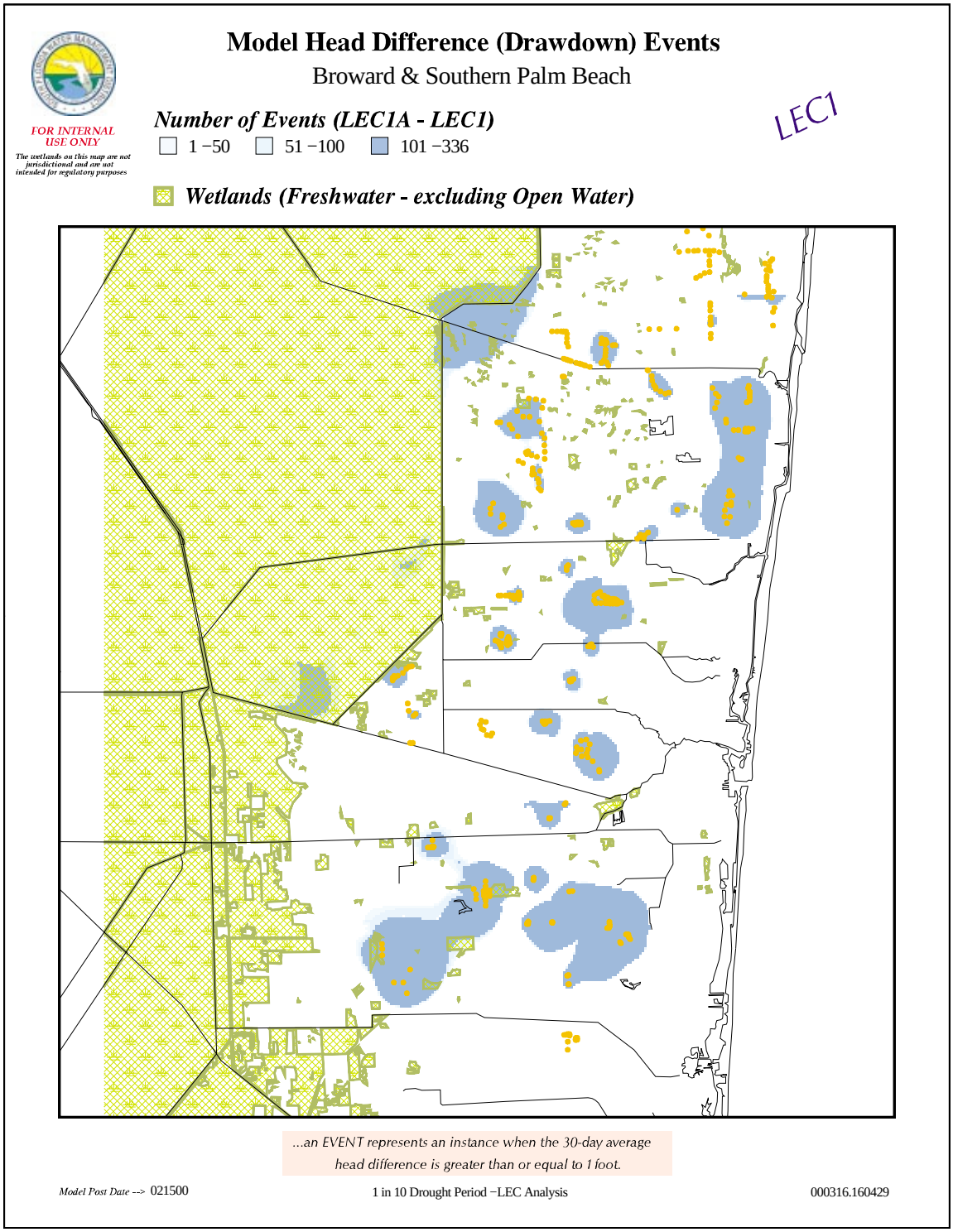
Frequency & Severity of Water Restrictions by Water Restriction Area

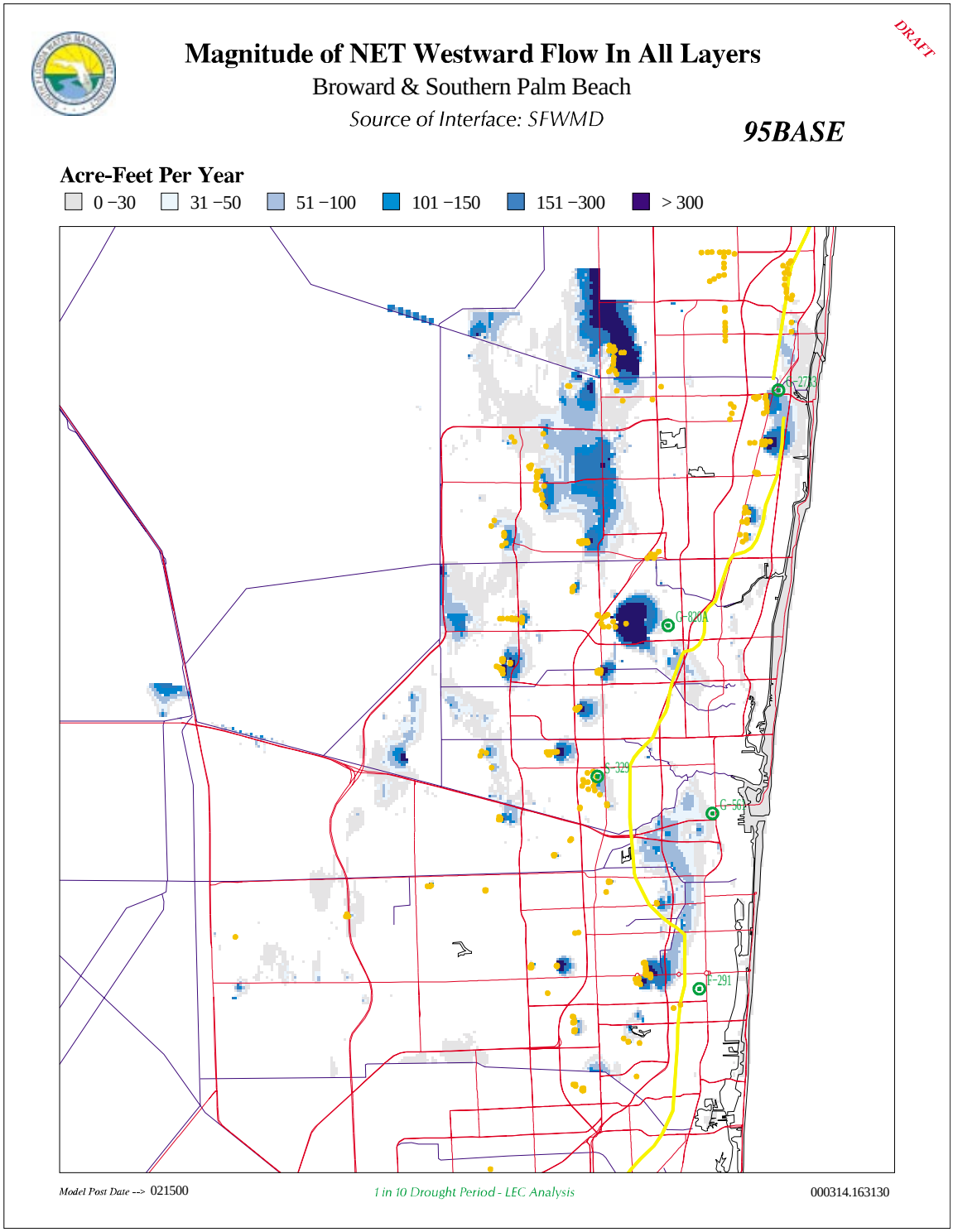
Broward and Southern Palm Beach Groundwater Model

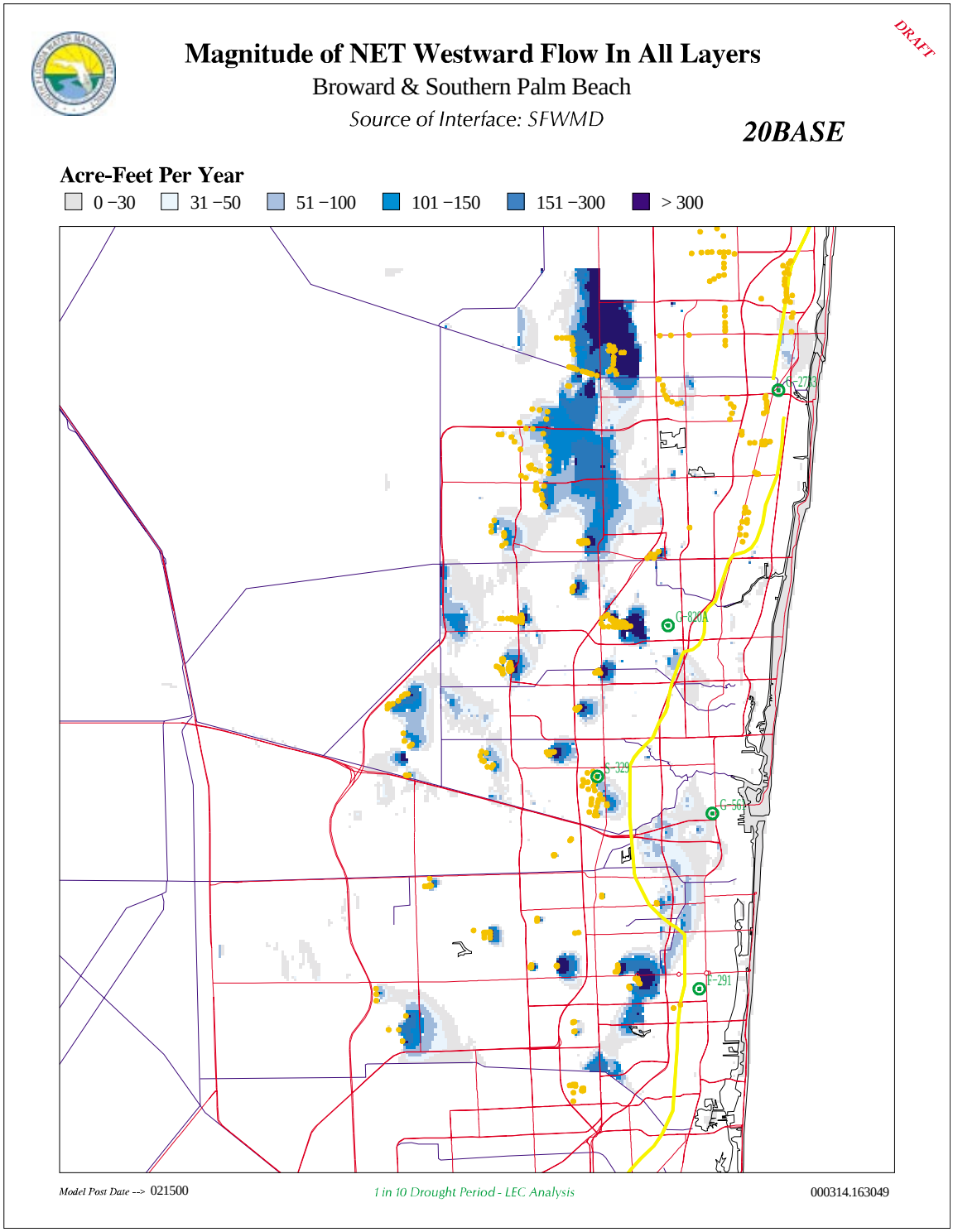
LEC1 LEC Model Run - Source MODFLOW

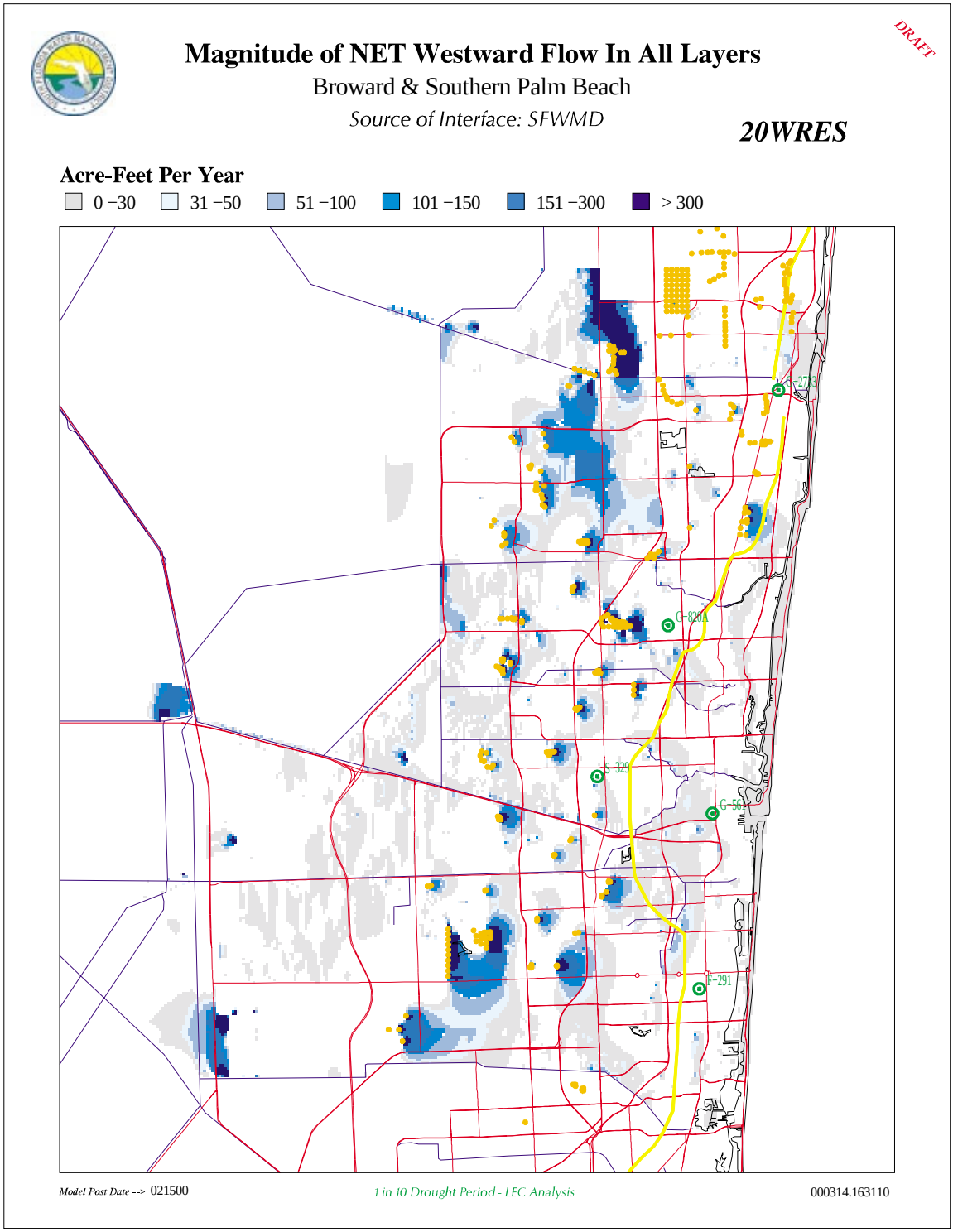
For Internal SFWMD Use Only

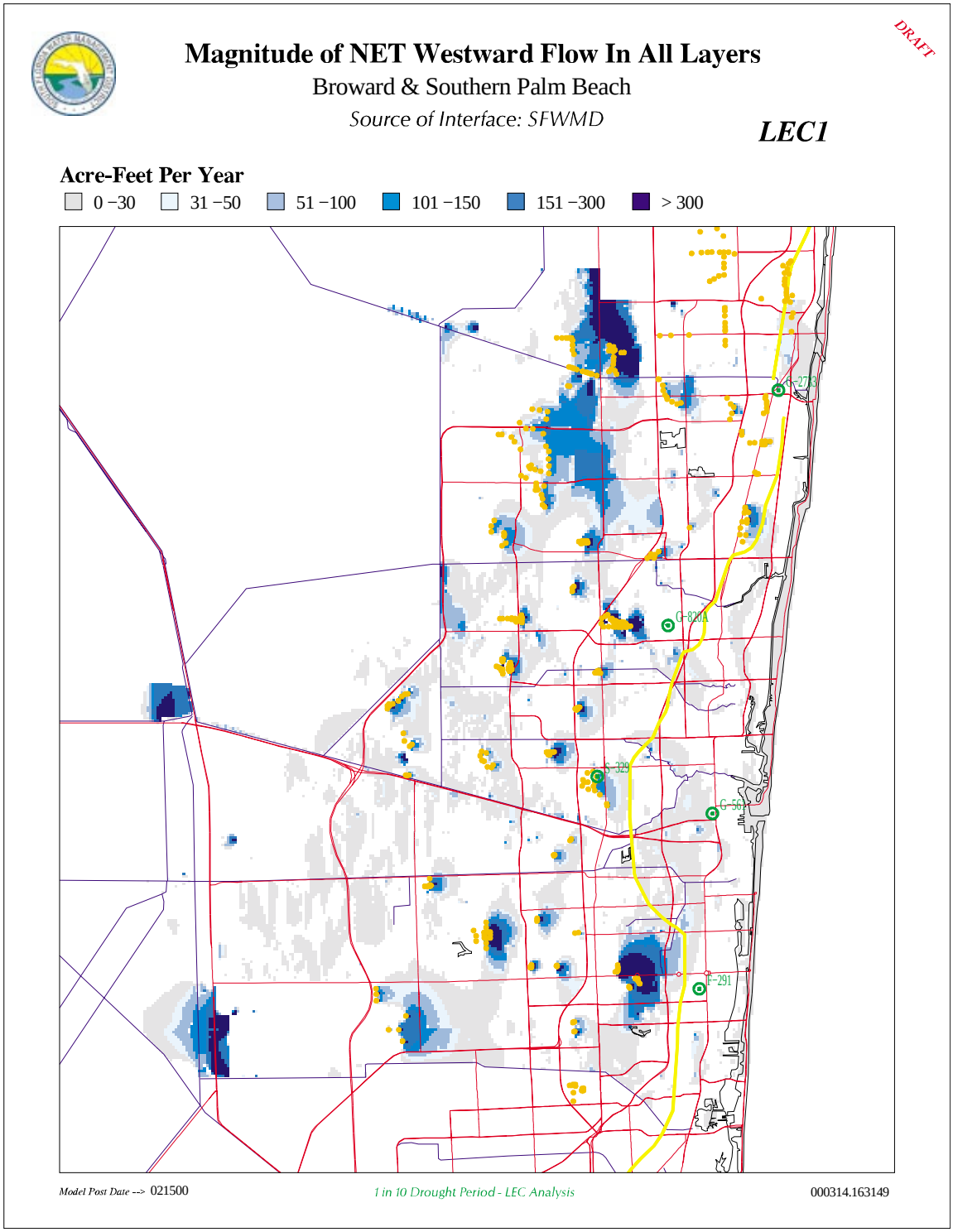
Postdate: 021500


Model Head Difference (Drawdown) Events
Broward & Southern Palm Beach
FOR INTERNAL USE ONLY
The wetlands on this map are not jurisdictional and are not intended for regulatory purposes
Number of Events (LEC1A - LEC1)
1 −50
51 −100
101 −336
LEC1
Wetlands (Freshwater - excluding Open Water)
...an EVENT represents an instance when the 30-day average head difference is greater than or equal to 1 foot.
Model Post Date --> 021500
1 in 10 Drought Period −LEC Analysis
000316.160429


DRAFT
Magnitude of NET Westward Flow In All Layers
Broward & Southern Palm Beach
Source of Interface: SFWMD
95BASE
Acre-Feet Per Year
0 −30
31 −50
51 −100
101 −150
151 −300
> 300
G-273
G-820A
G-329
G-583
F-291
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163130

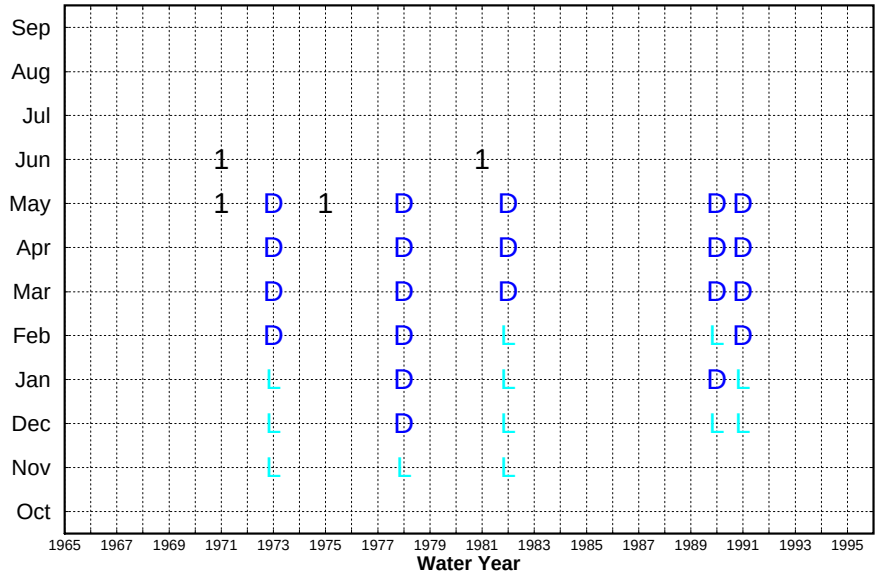

DRAFT
Magnitude of NET Westward Flow In All Layers
Broward & Southern Palm Beach
Source of Interface: SFWMD
20BASE
Acre-Feet Per Year
0 −30
31 −50
51 −100
101 −150
151 −300
> 300
G-820A
S-329
G-56
F-291
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163049


DRAFT
Magnitude of NET Westward Flow In All Layers
Broward & Southern Palm Beach
Source of Interface: SFWMD
20WRES
Acre-Feet Per Year
0 −30
31 −50
51 −100
101 −150
151 −300
> 300
G-273
G-820A
G-329
G-56
F-291
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163110


DRAFT
Magnitude of NET Westward Flow In All Layers
Broward & Southern Palm Beach
Source of Interface: SFWMD
LEC1
Acre-Feet Per Year
0 −30
31 −50
51 −100
101 −150
151 −300
> 300
G-820A
S-329
G-56
F-291
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163149

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 3 − 95BSR



Total number of water years with restrictions = 8
Target number of water years with restrictions = 3

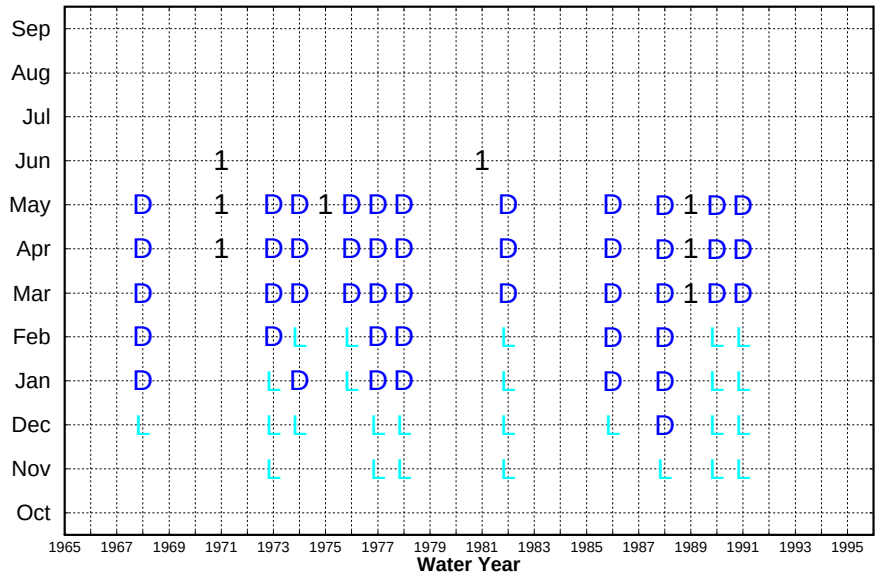
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:31
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 3 − 20BSR



Total number of water years with restrictions = 15
Target number of water years with restrictions = 3

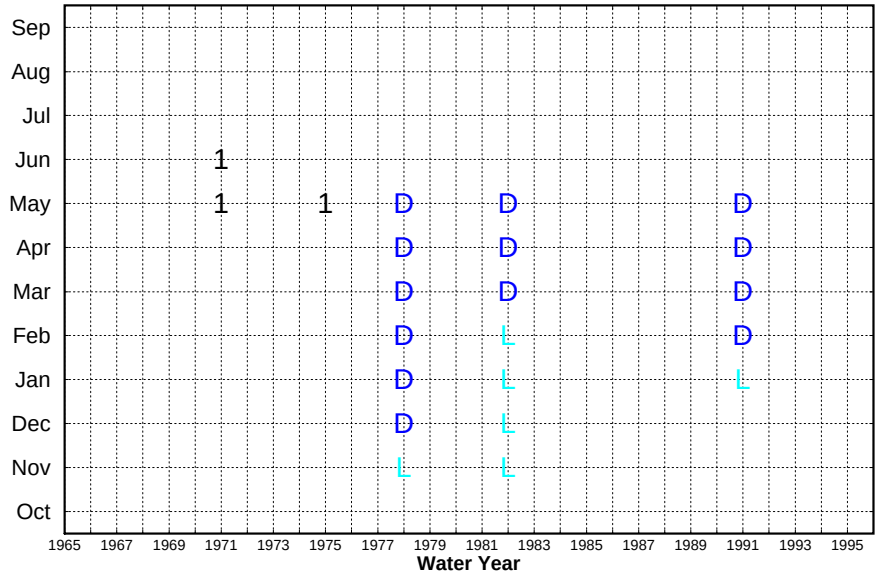
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:37
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 3 − 2020WR



Total number of water years with restrictions = 5
Target number of water years with restrictions = 3

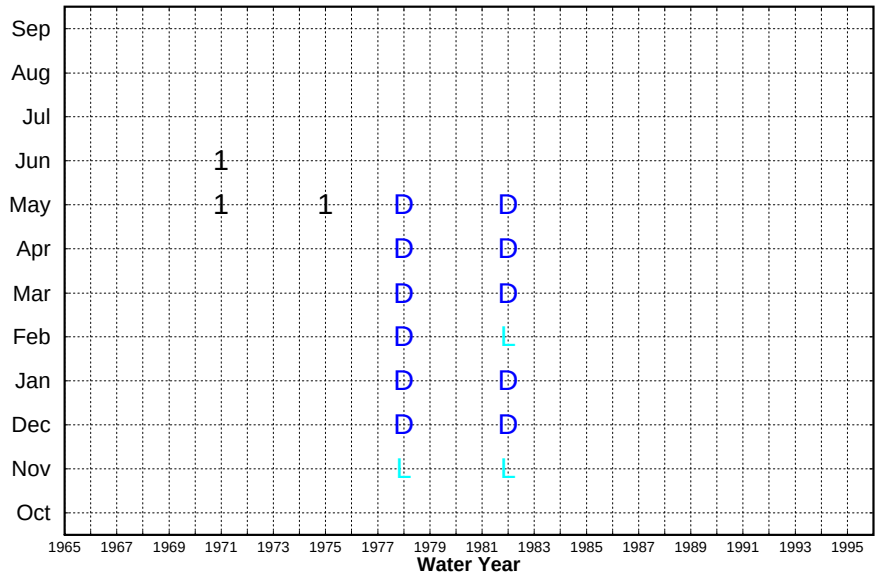
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:42
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 3 − LEC1

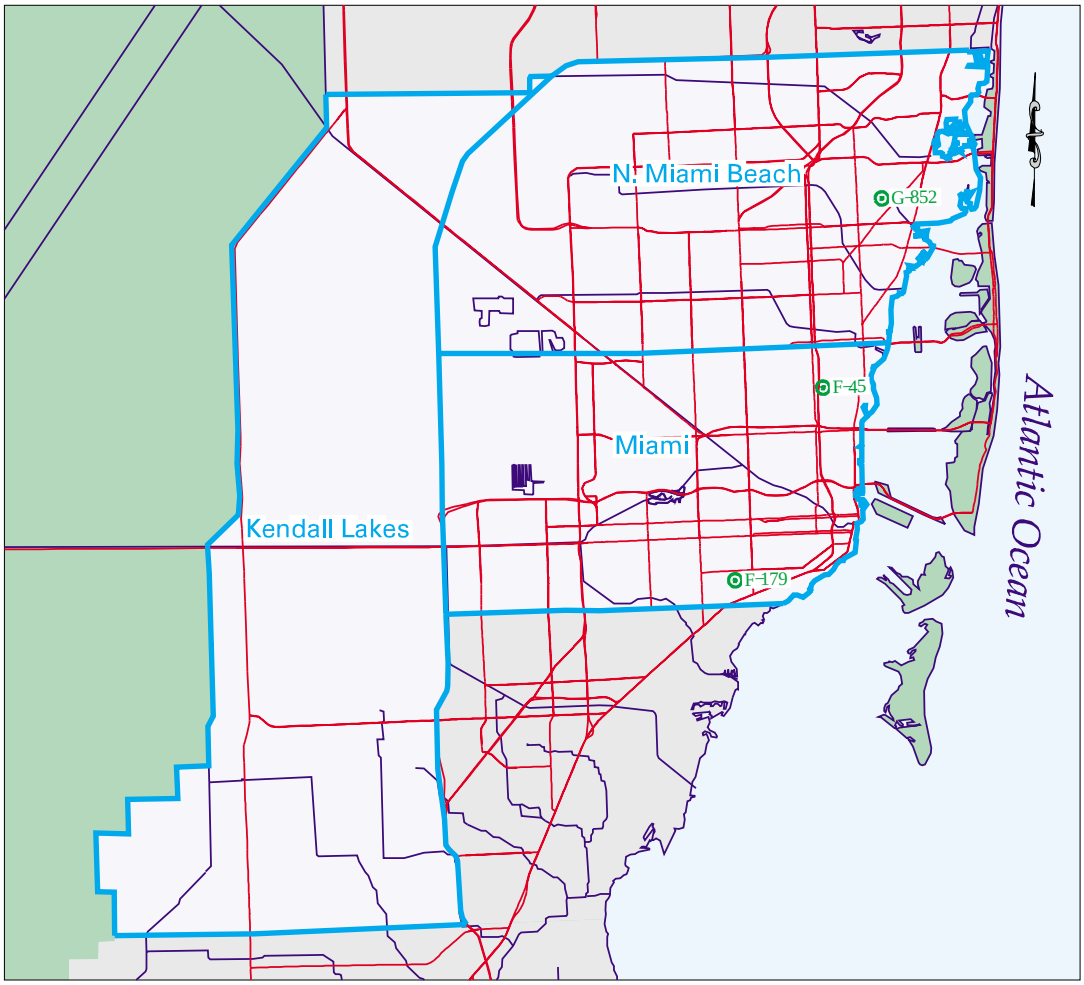


Total number of water years with restrictions = 4
Target number of water years with restrictions = 3

1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 01/28/00 18:19:48
For Planning Purposes Only
SFWMM V3.7



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Kendall Lakes	151	31	0	0	0	0
Miami	151	31	0	0	0	0
N. Miami Beach	151	31	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered
Phase 3 Triggered
Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

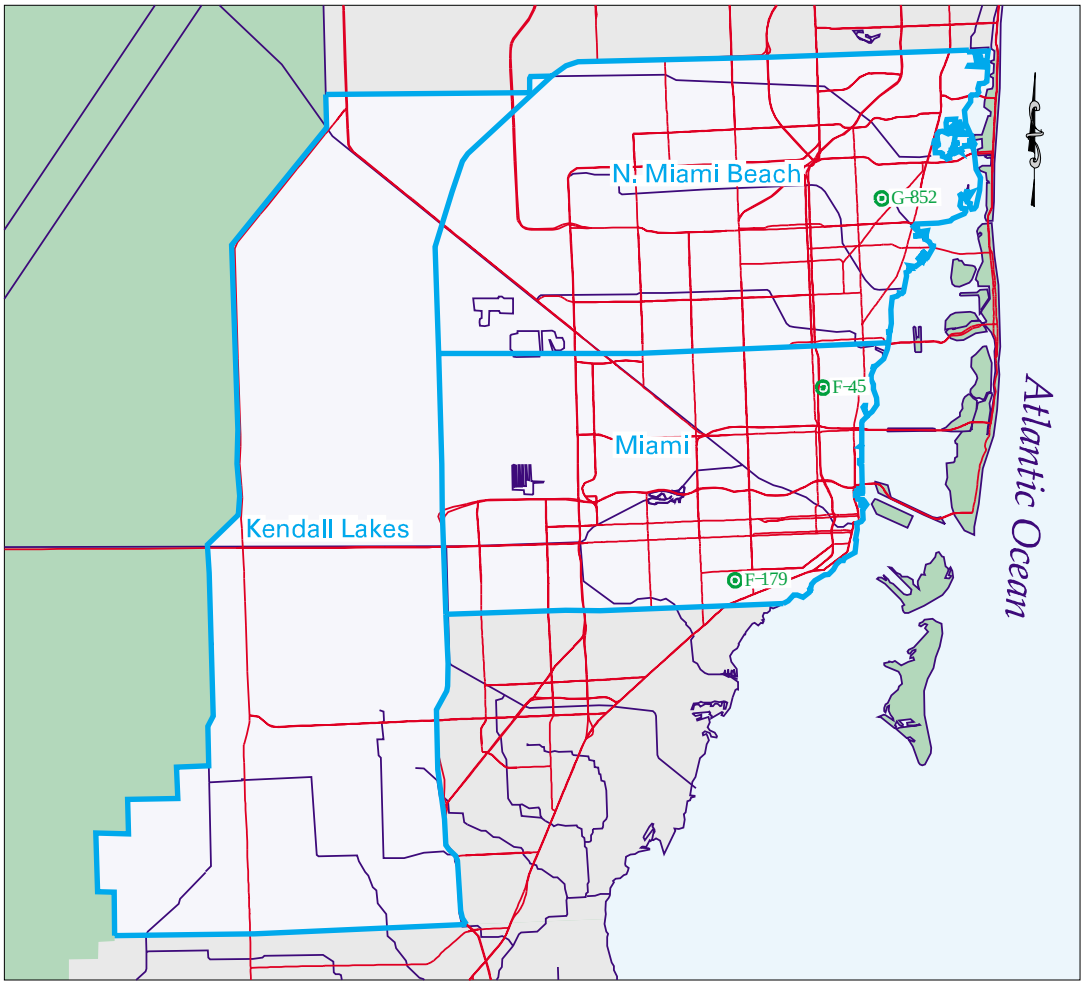
Frequency & Severity of Water Restrictions by Water Restriction Area

Northern Miami-Dade Groundwater Model

95BASE LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only

Postdate: 021500



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Kendall Lakes	92	120	0	0	0	0
Miami	92	120	0	0	0	0
N. Miami Beach	92	120	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered
Phase 3 Triggered
Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

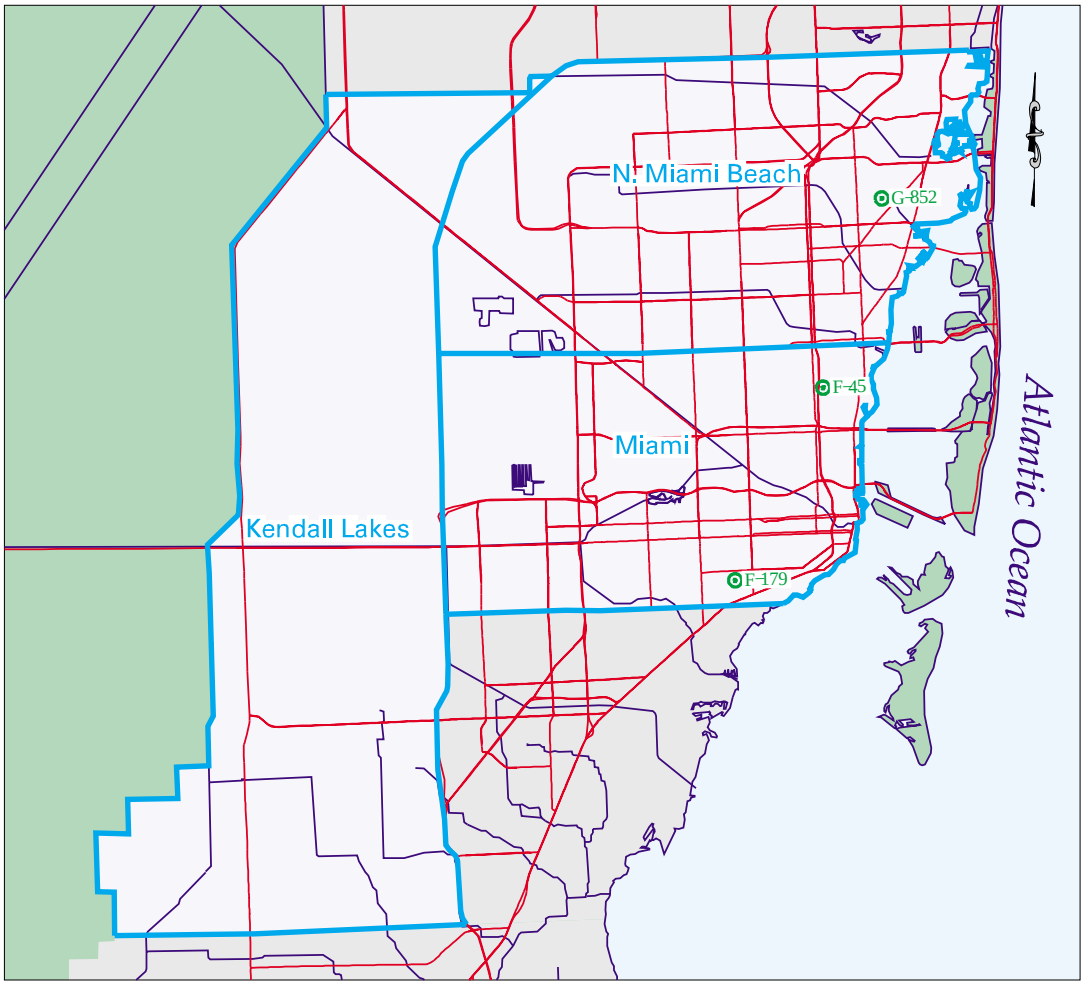
Frequency & Severity of Water Restrictions by Water Restriction Area

Northern Miami-Dade Groundwater Model

20BASE LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only

Postdate: 021500



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Kendall Lakes	0	0	0	0	0	0
Miami	0	0	0	0	0	0
N. Miami Beach	0	0	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered

Phase 3 Triggered

Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

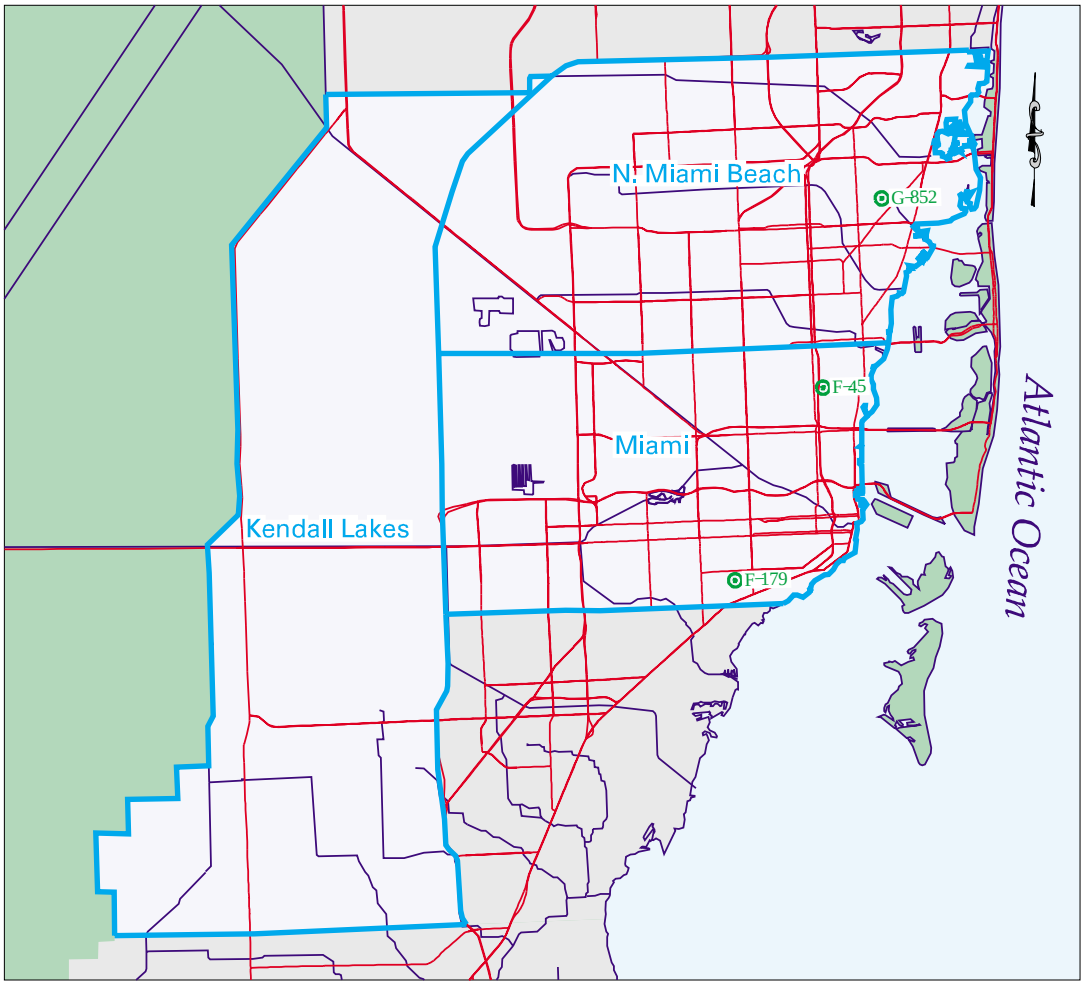
Frequency & Severity of Water Restrictions by Water Restriction Area

Northern Miami-Dade Groundwater Model

20WRES LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only

Postdate: 021500



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Kendall Lakes	0	0	0	0	0	0
Miami	0	0	0	0	0	0
N. Miami Beach	0	0	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered
Phase 3 Triggered
Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

Frequency & Severity of Water Restrictions by Water Restriction Area

Northern Miami-Dade Groundwater Model

LEC1 LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only

Postdate: 021500

Model Head Difference (Drawdown) Events

Northern Miami-Dade

FOR INTERNAL USE ONLY

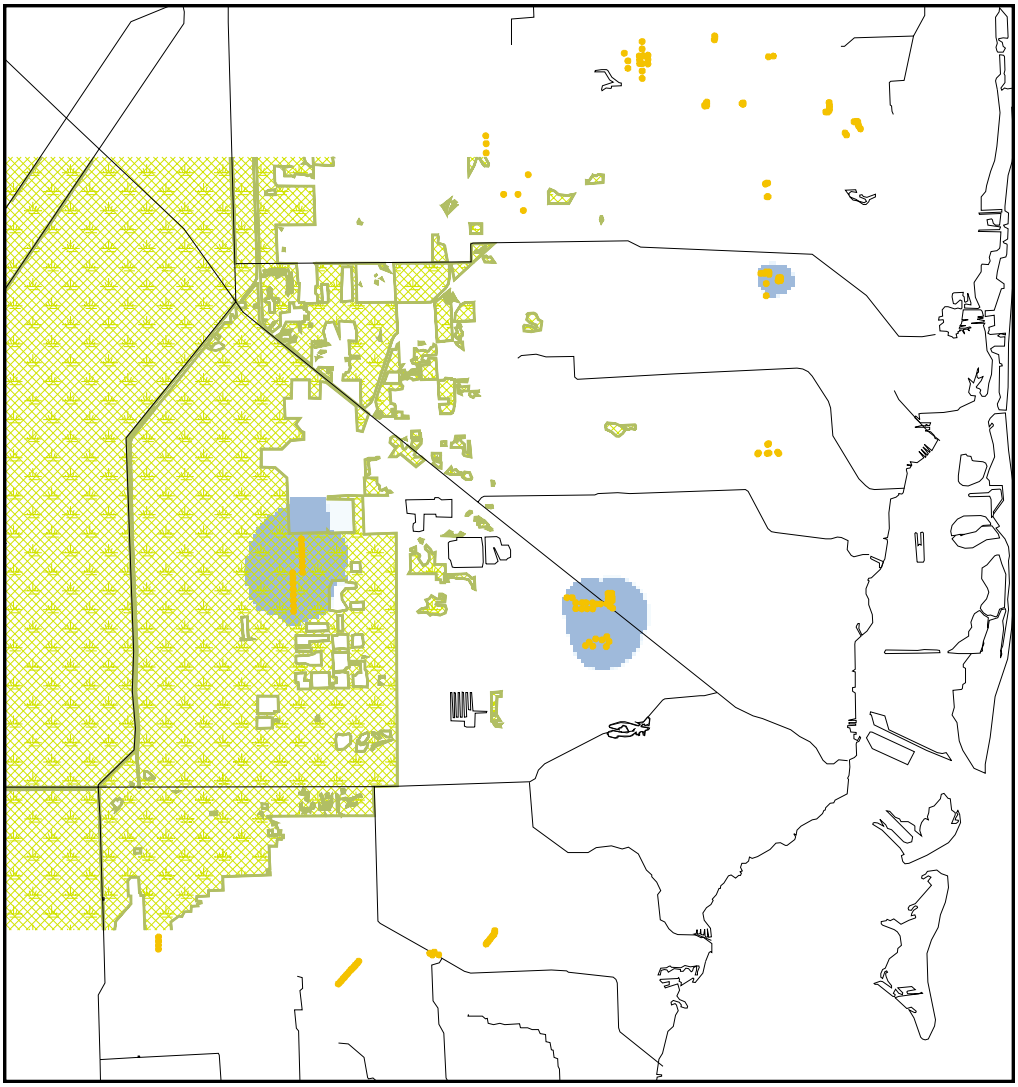
The wetlands on this map are not jurisdictional and are not intended for regulatory purposes

LEC1

Number of Events (LEC1A - LEC1)

1 -50 51 -100 101 -336

Wetlands (Freshwater - excluding Open Water)

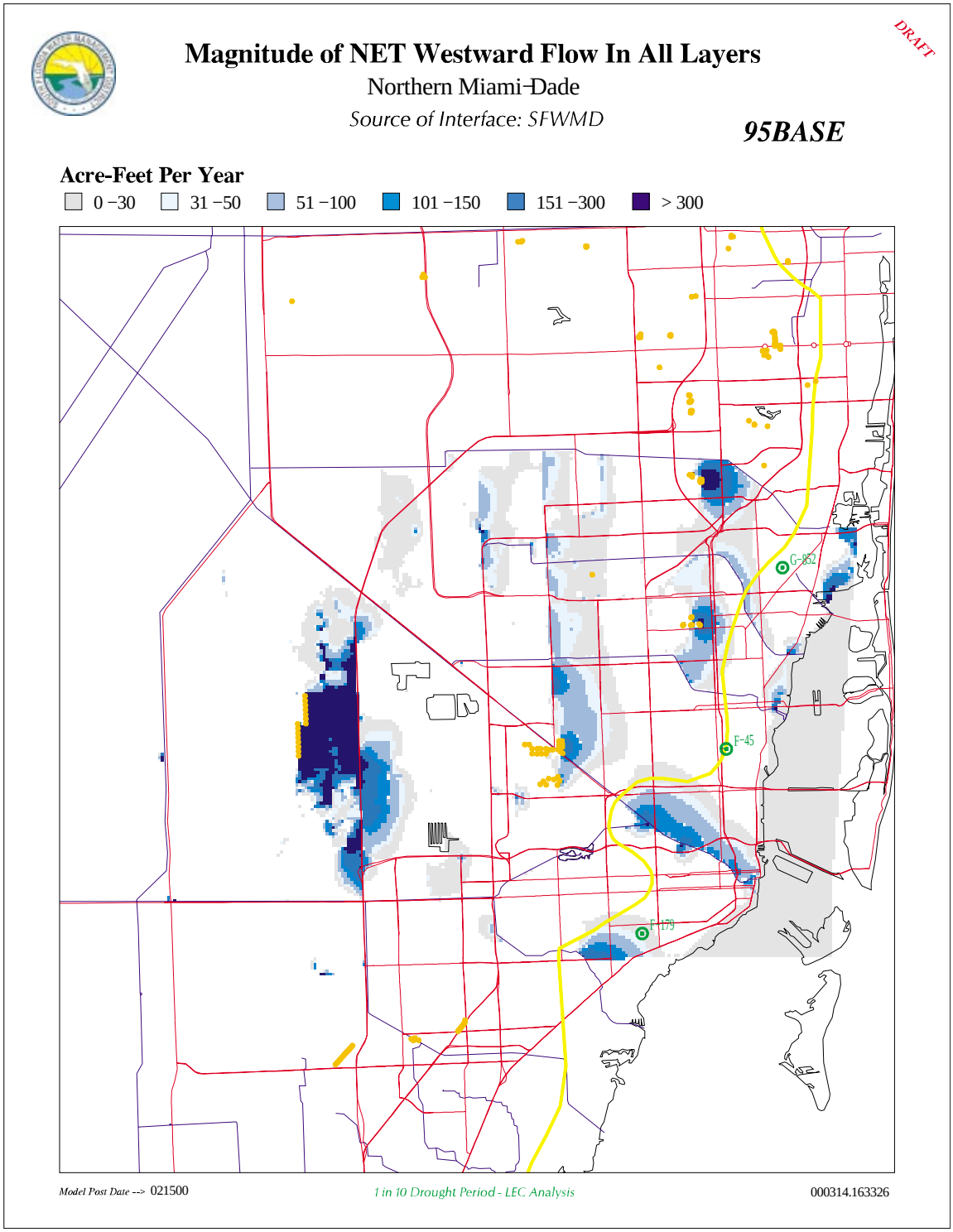


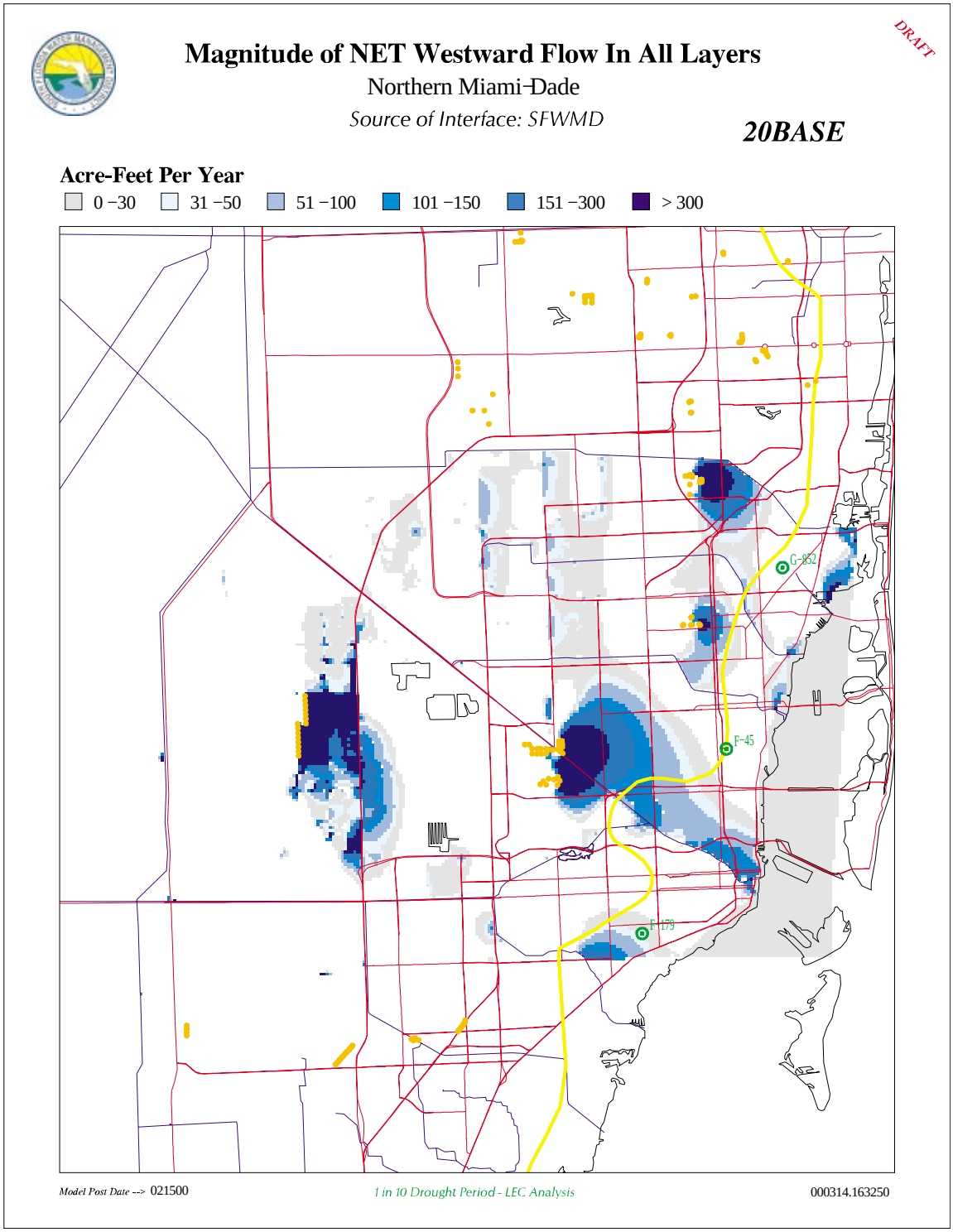
...an EVENT represents an instance when the 30-day average head difference is greater than or equal to 1 foot.

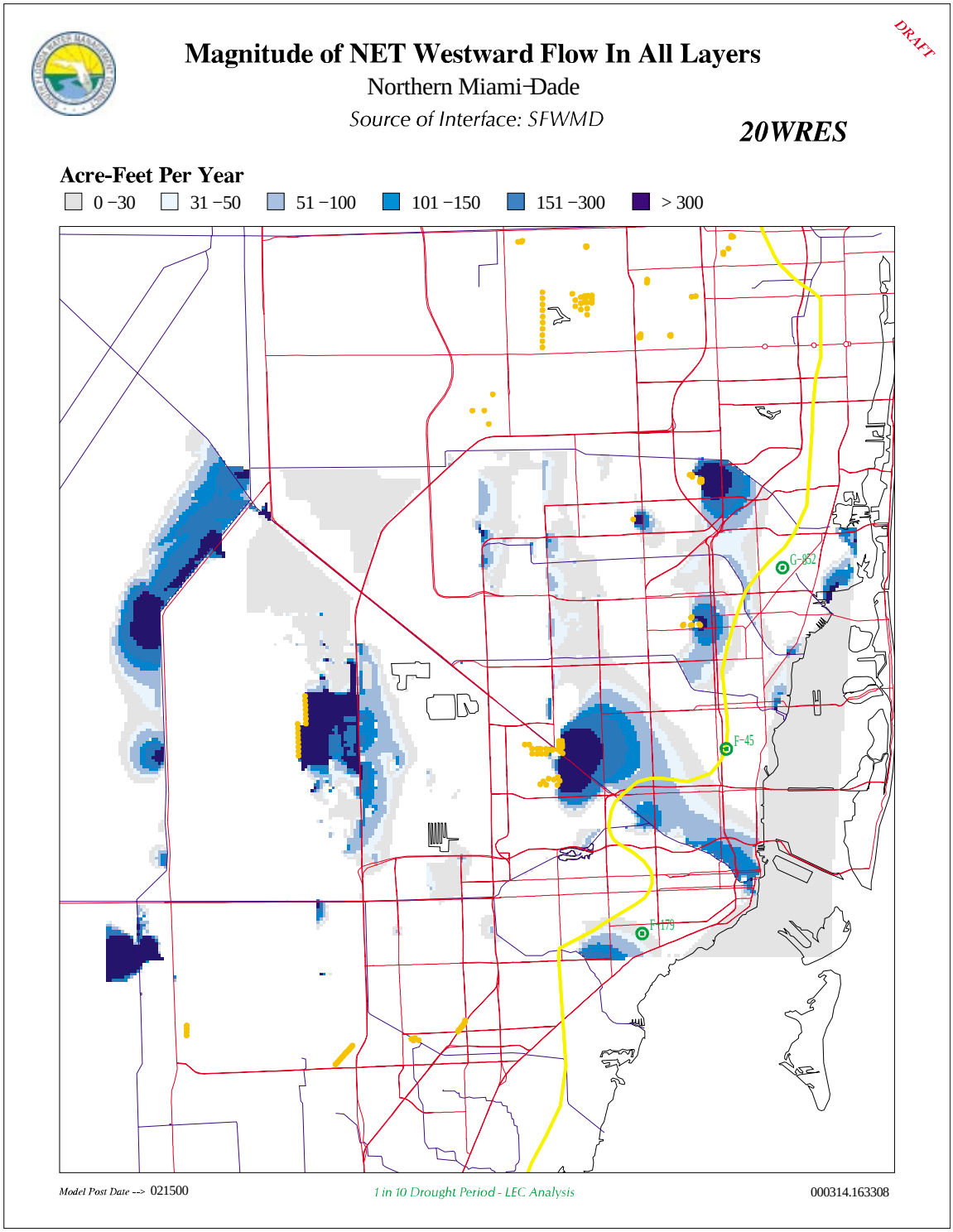
Model Post Date --> 021500

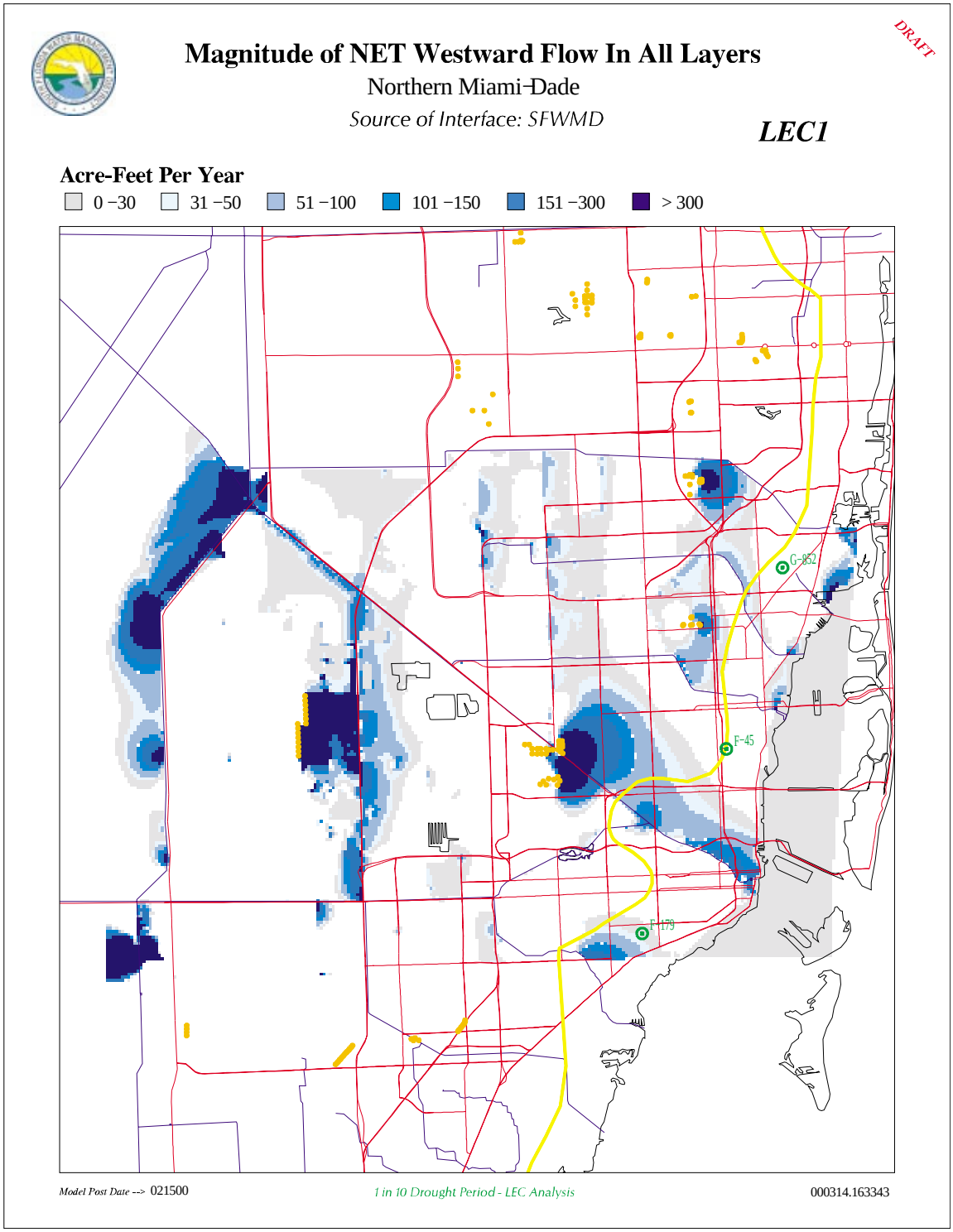
1 in 10 Drought Period -LEC Analysis

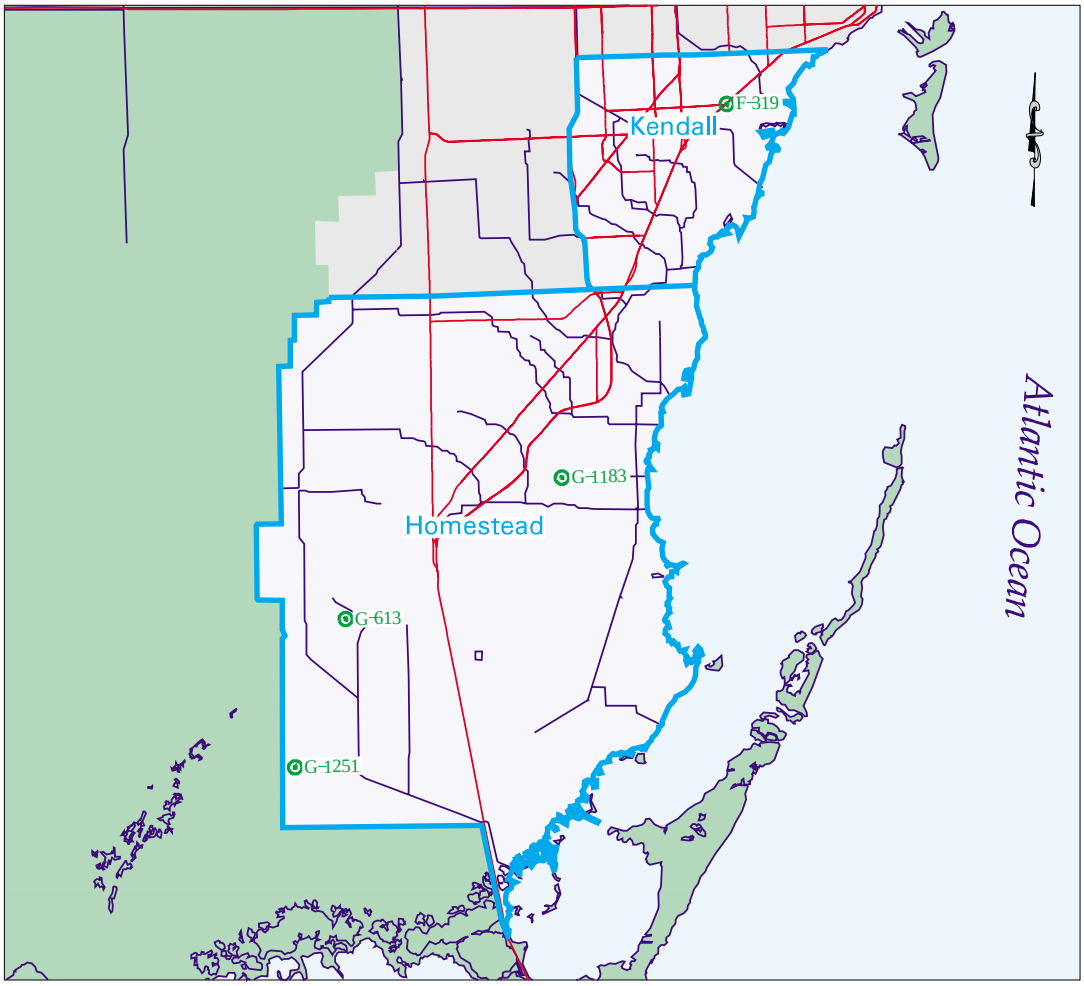
000316.160528


DRAFT
Magnitude of NET Westward Flow In All Layers
Northern Miami-Dade
Source of Interface: SFWMD
95BASE
Acre-Feet Per Year
0 -30
31 -50
51 -100
101 -150
151 -300
> 300
G-852
F-45
F-179
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163326


DRAFT
Magnitude of NET Westward Flow In All Layers
Northern Miami-Dade
Source of Interface: SFWMD
20BASE
Acre-Feet Per Year
0 -30
31 -50
51 -100
101 -150
151 -300
> 300
G-852
F-45
F-479
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163250


DRAFT
Magnitude of NET Westward Flow In All Layers
Northern Miami-Dade
Source of Interface: SFWMD
20WRES
Acre-Feet Per Year
0 -30
31 -50
51 -100
101 -150
151 -300
> 300
G-852
F-45
F-179
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163308


DRAFT
Magnitude of NET Westward Flow In All Layers
Northern Miami-Dade
Source of Interface: SFWMD
LEC1
Acre-Feet Per Year
0 -30
31 -50
51 -100
101 -150
151 -300
> 300
G-852
F-45
F-479
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163343



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Kendall	151	31	0	0	0	0
Homestead	151	31	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered
Phase 3 Triggered
Phase 4 Triggered

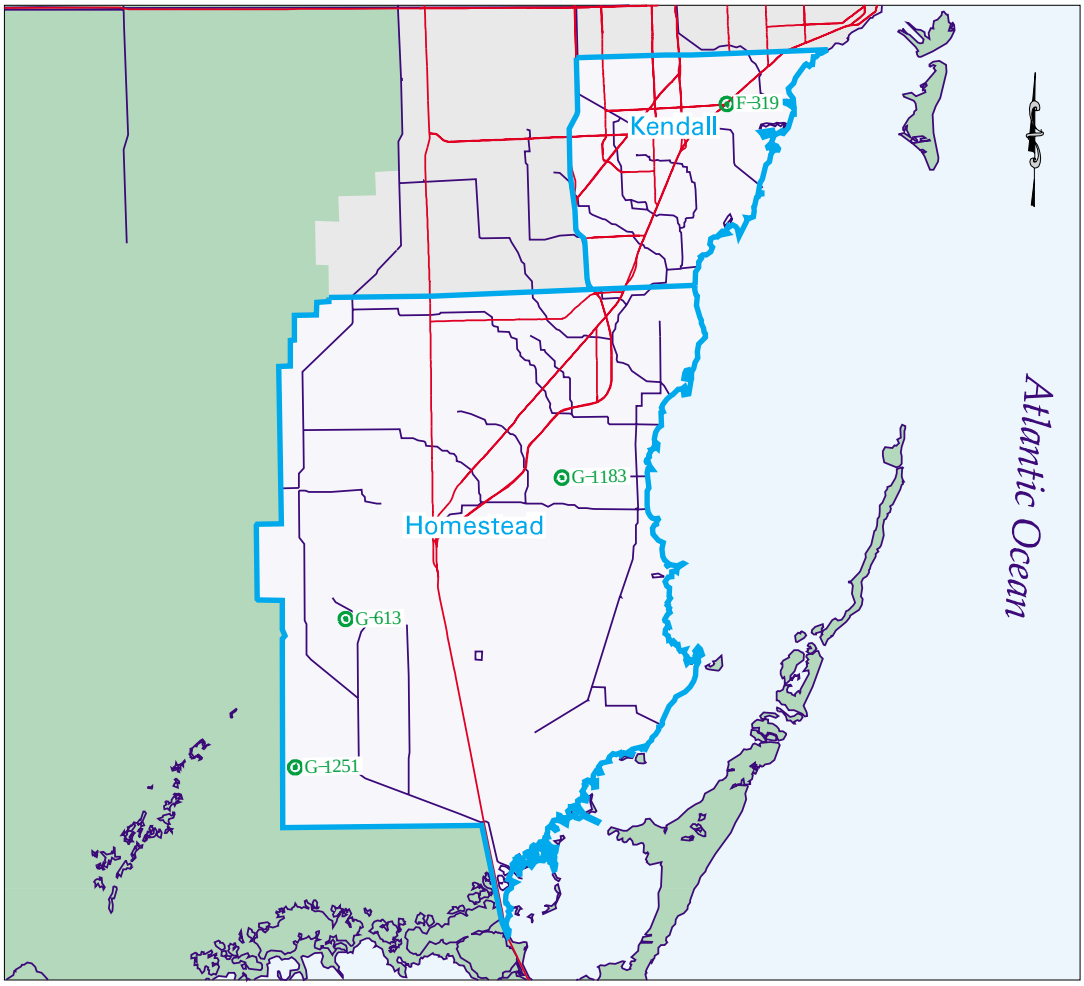
Water Restriction Areas SFWMD Canals Major Roads

Frequency & Severity of Water Restrictions by Water Restriction Area

Southern Miami-Dade Groundwater Model

95BASE LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only Postdate: 021500



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Kendall	92	120	0	0	0	0
Homestead	92	120	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

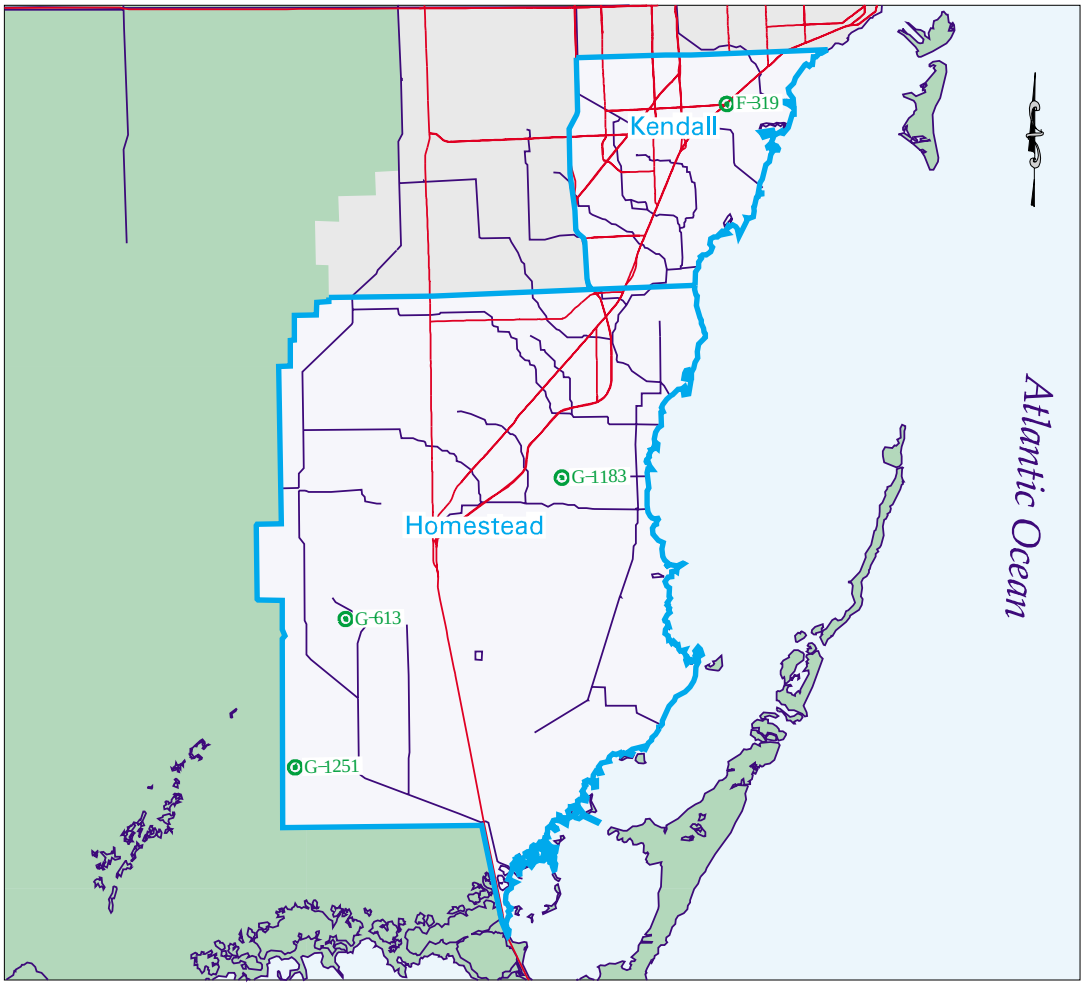
Phase 2 Triggered
Phase 3 Triggered
Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

Frequency & Severity of Water Restrictions by Water Restriction Area
Southern Miami-Dade Groundwater Model
20BASE LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only

Postdate: 021500



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Kendall	0	0	0	0	0	0
Homestead	0	0	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered
Phase 3 Triggered
Phase 4 Triggered

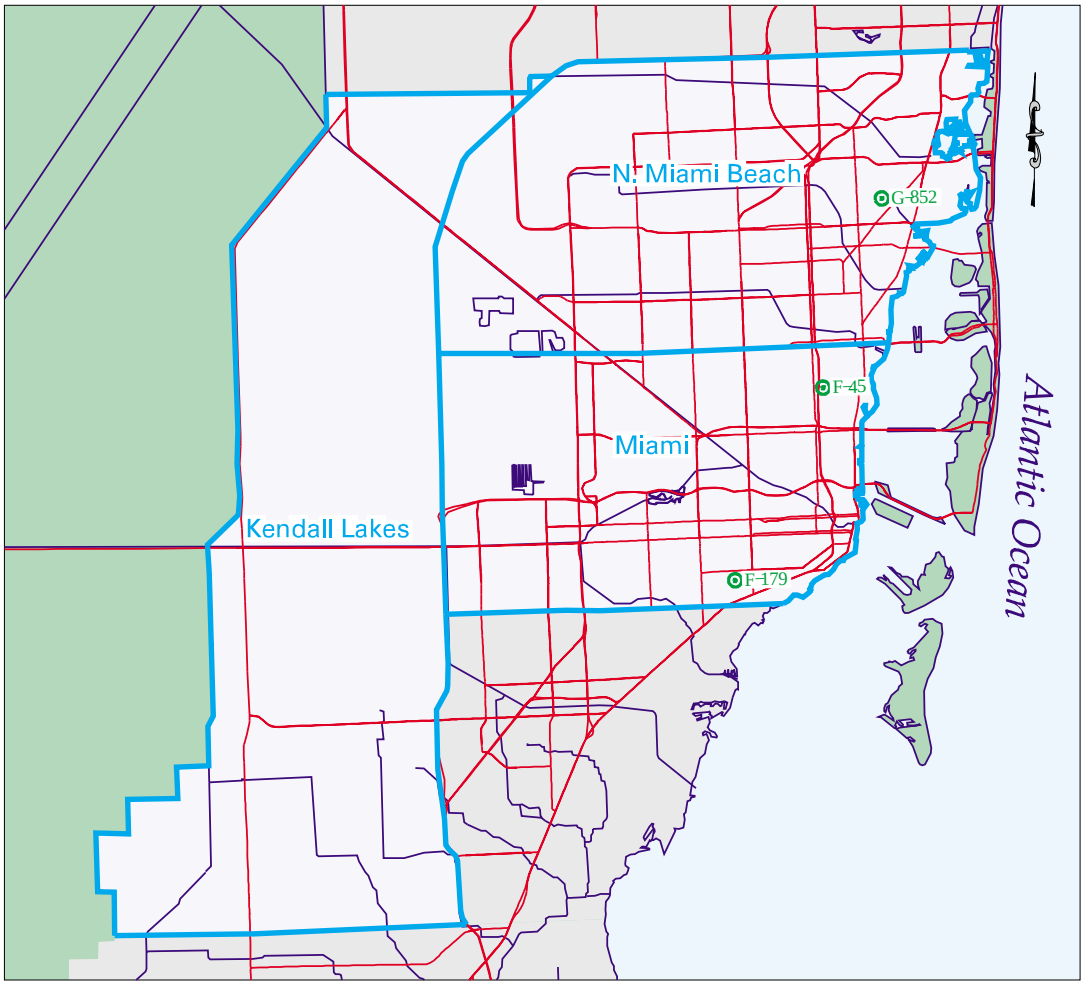
Water Restriction Areas SFWMD Canals Major Roads

Frequency & Severity of Water Restrictions by Water Restriction Area

Southern Miami-Dade Groundwater Model

20WRES LEC Model Run - Source MODFLOW

For Internal SFWMD Use Only Postdate: 021500



NUMBER OF DAYS OF CUTBACKS, BY WRA AND PHASE, FOR 1-IN-10 DROUGHT

WRA	DRY	LOK	P1	P2	P3	P4
Kendall Lakes	0	0	0	0	0	0
Miami	0	0	0	0	0	0
N. Miami Beach	0	0	0	0	0	0

Refer to Website MAIN PAGE:MODEL INPUT:WRA CUTBACK RELATIONSHIP for Explanation

Phase 1 Triggered
- < 50 Days
- 50 - 100 Days
- 100 - 200 Days
- > 200 Days

Phase 2 Triggered

Phase 3 Triggered

Phase 4 Triggered

Water Restriction Areas — SFWMD Canals — Major Roads

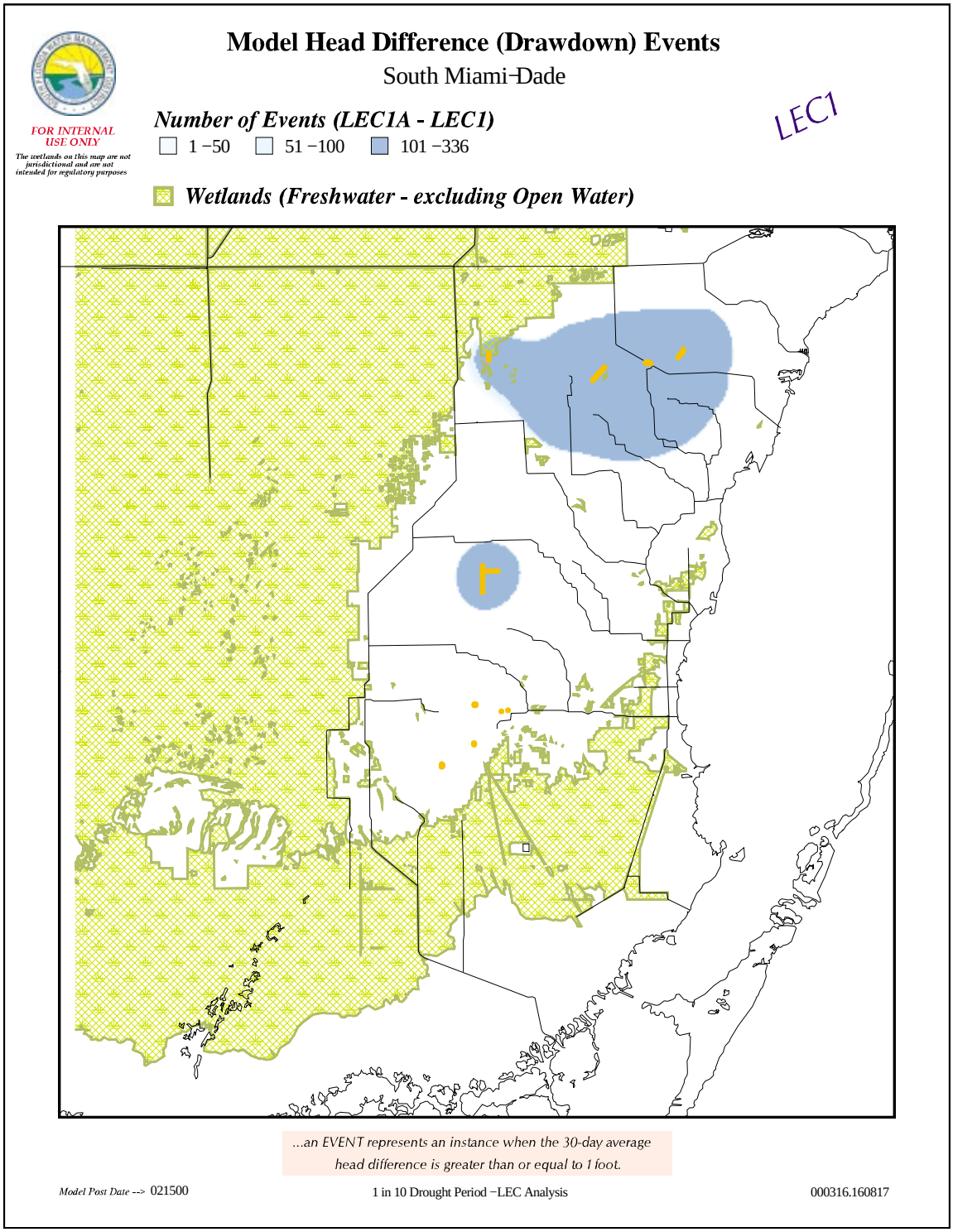
Frequency & Severity of Water Restrictions by Water Restriction Area

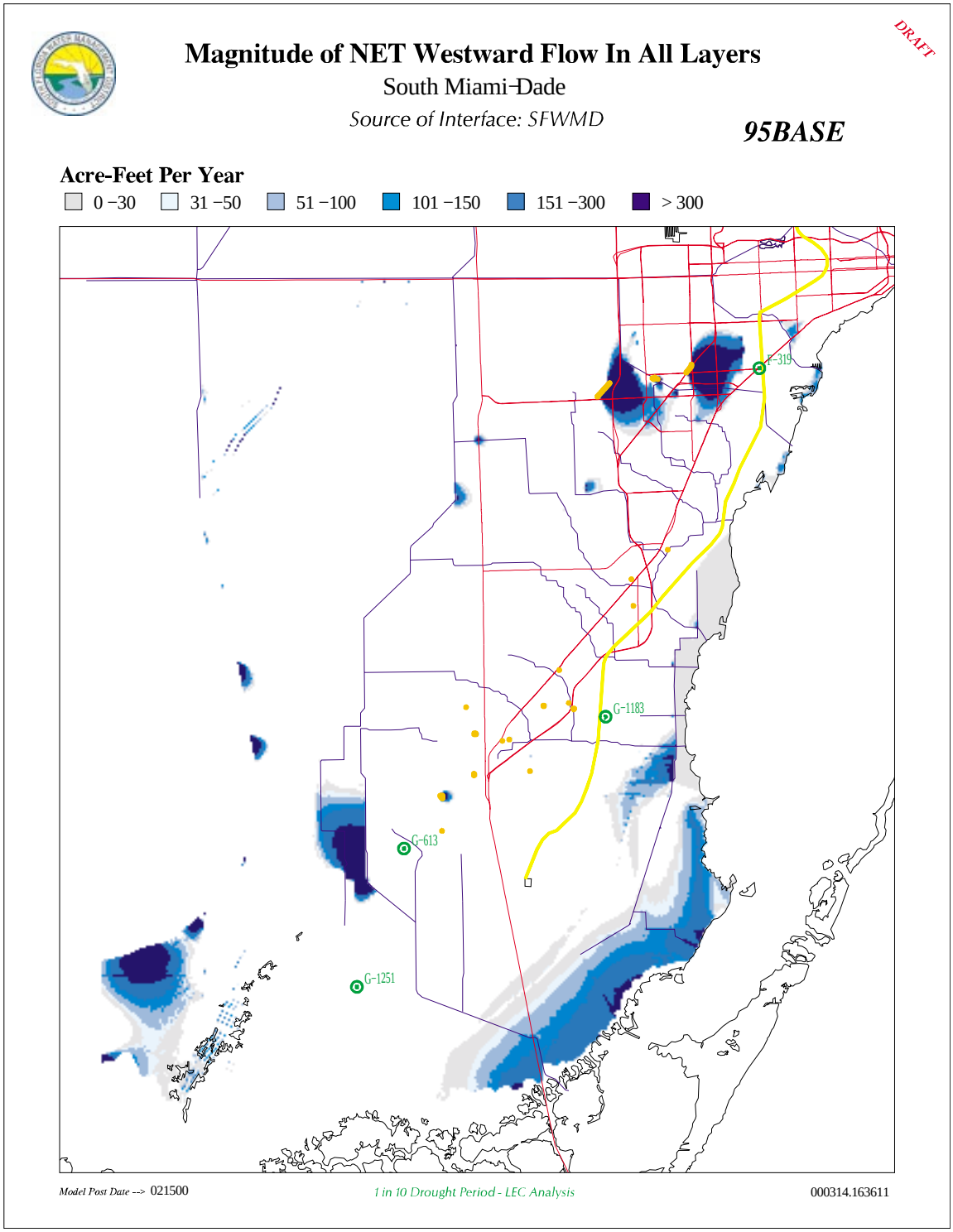
Northern Miami-Dade Groundwater Model

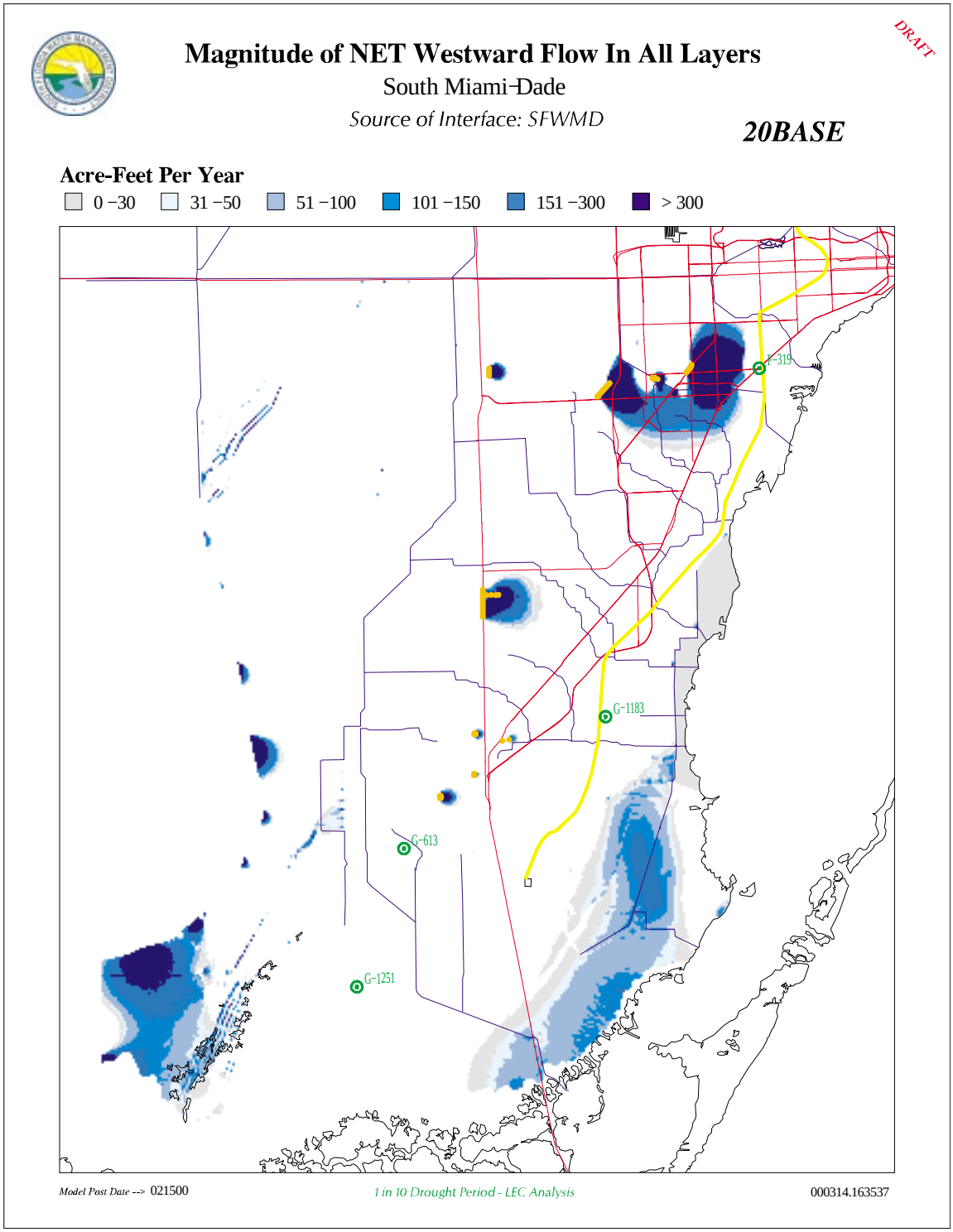
LEC1 LEC Model Run - Source MODFLOW

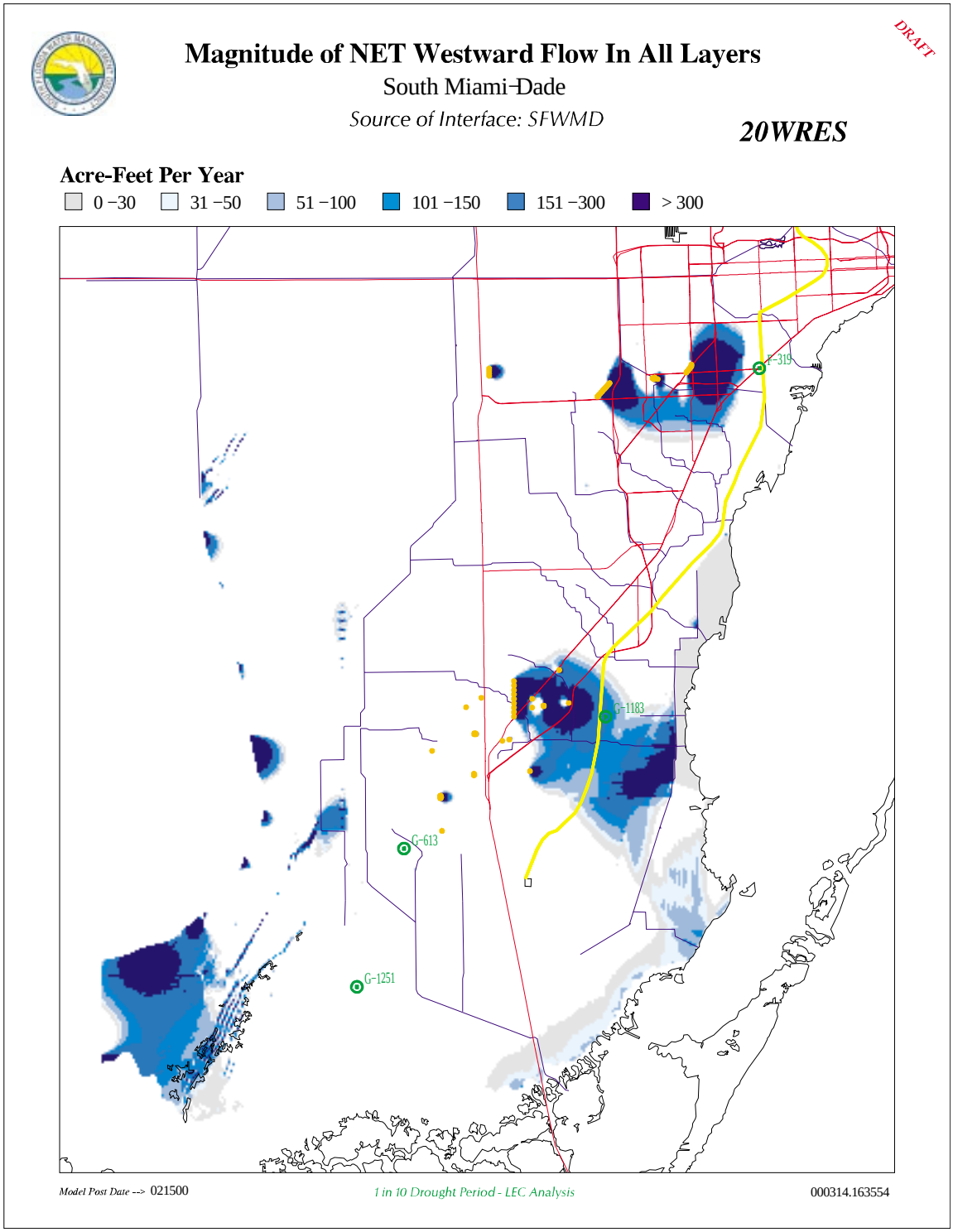
For Internal SFWMD Use Only

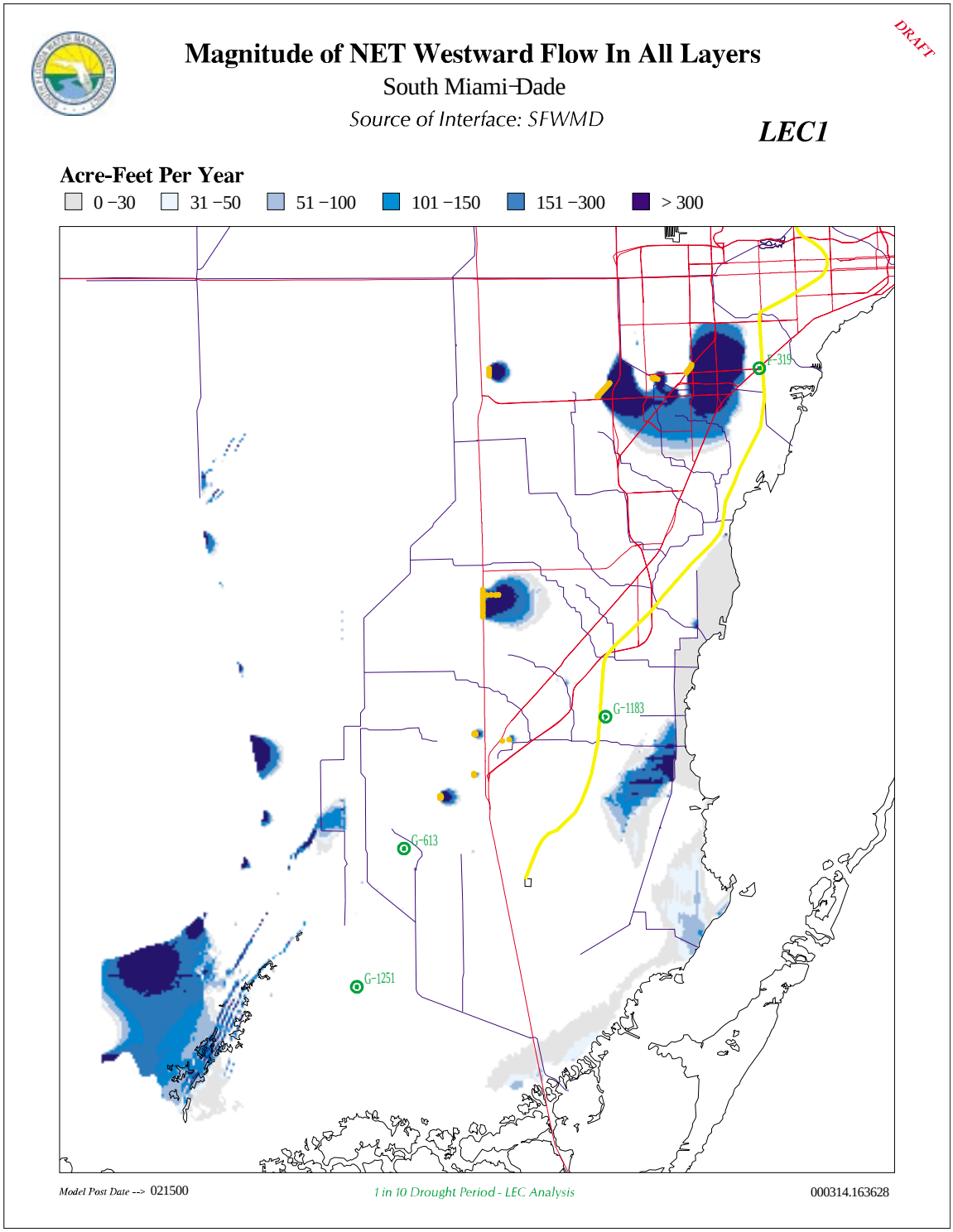
Postdate: 021500


Model Head Difference (Drawdown) Events
South Miami-Dade
FOR INTERNAL USE ONLY
The wetlands on this map are not jurisdictional and are not intended for regulatory purposes
Number of Events (LEC1A - LEC1)
1 -50
51 -100
101 -336
LEC1
Wetlands (Freshwater - excluding Open Water)
...an EVENT represents an instance when the 30-day average head difference is greater than or equal to 1 foot.
Model Post Date --> 021500
1 in 10 Drought Period -LEC Analysis
000316.160817


DRAFT
Magnitude of NET Westward Flow In All Layers
South Miami-Dade
Source of Interface: SFWMD
95BASE
Acre-Feet Per Year
0 -30
31 -50
51 -100
101 -150
151 -300
> 300
G-319
G-1183
G-613
G-1251
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163611


DRAFT
Magnitude of NET Westward Flow In All Layers
South Miami-Dade
Source of Interface: SFWMD
20BASE
Acre-Feet Per Year
0 -30
31 -50
51 -100
101 -150
151 -300
> 300
G-1183
G-613
G-1251
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163537

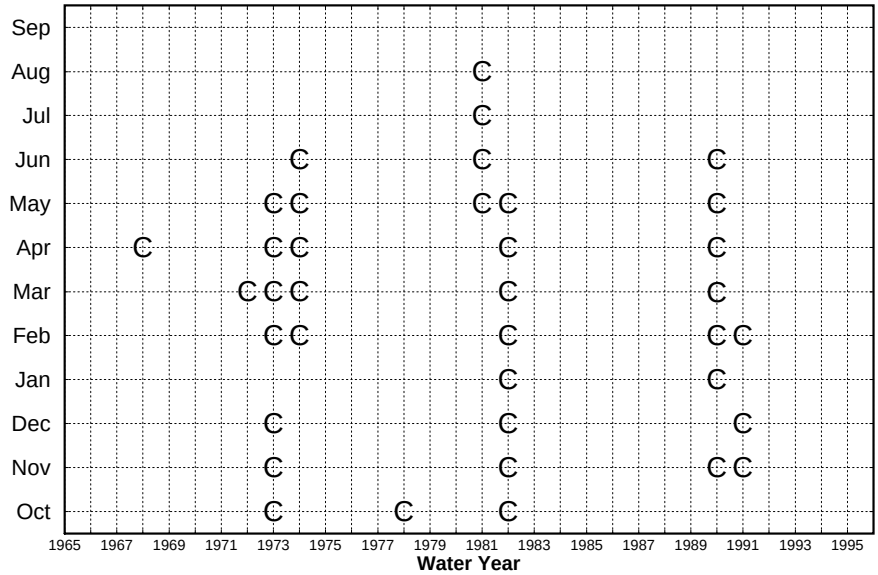

DRAFT
Magnitude of NET Westward Flow In All Layers
South Miami-Dade
Source of Interface: SFWMD
20WRES
Acre-Feet Per Year
0 -30
31 -50
51 -100
101 -150
151 -300
> 300
F-319
G-1183
G-613
G-1251
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163554


DRAFT
Magnitude of NET Westward Flow In All Layers
South Miami-Dade
Source of Interface: SFWMD
LEC1
Acre-Feet Per Year
0 -30
31 -50
51 -100
101 -150
151 -300
> 300
G-319
G-1183
G-613
G-1251
Model Post Date --> 021500
1 in 10 Drought Period - LEC Analysis
000314.163628

URBAN AND AGRICULTURAL WATER SUPPLY PERFORMANCE MEASURES INCREMENTAL SIMULATIONS

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Lake Okeechobee Service Area − 95BSRR



Total number of water years with restrictions = 9
Target number of water years with restrictions = 3

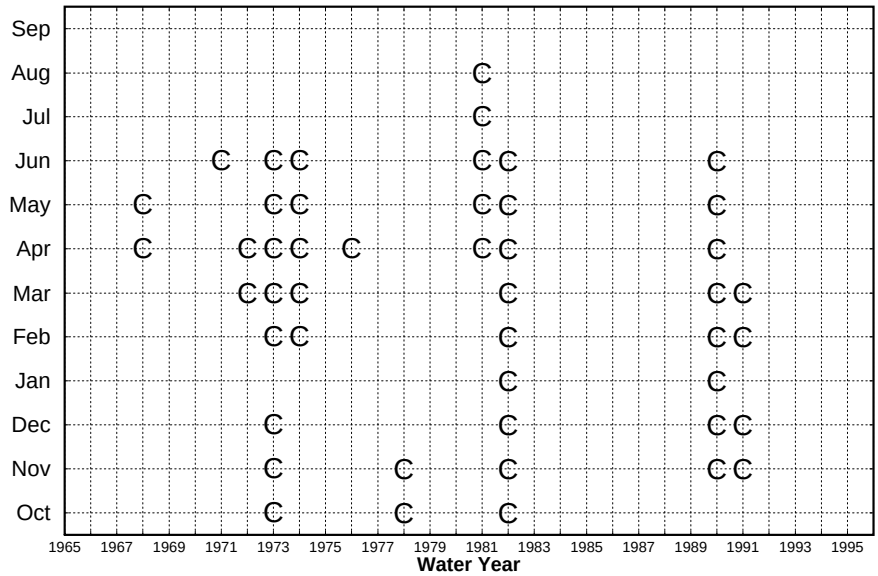
C: Under Supply Side Management and Cutbacks for 7 days or more and Cutbacks greater or equal than 10%

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:51:35
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Lake Okeechobee Service Area − 2005R



Total number of water years with restrictions = 11
Target number of water years with restrictions = 3

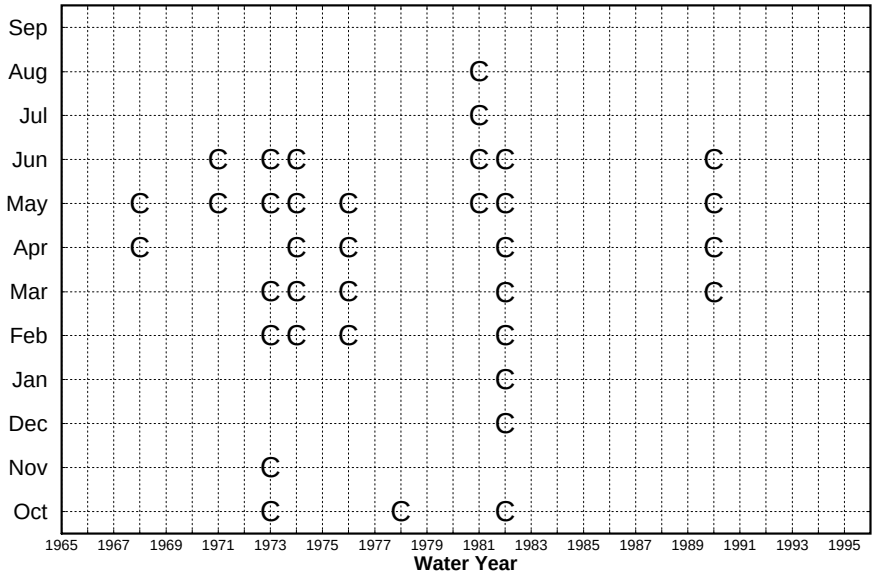
C: Under Supply Side Management and Cutbacks for 7 days or more and Cutbacks greater or equal than 10%

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:51:37
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Lake Okeechobee Service Area − 2010R



Total number of water years with restrictions = 9
Target number of water years with restrictions = 3

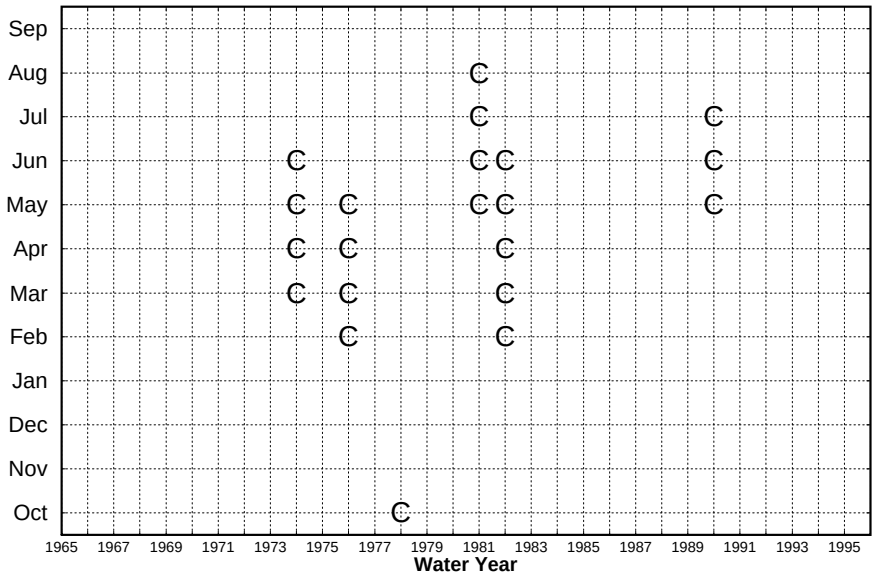
C: Under Supply Side Management and Cutbacks for 7 days or more and Cutbacks greater or equal than 10%

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:51:40
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Lake Okeechobee Service Area − 2015R



Total number of water years with restrictions = 6
Target number of water years with restrictions = 3

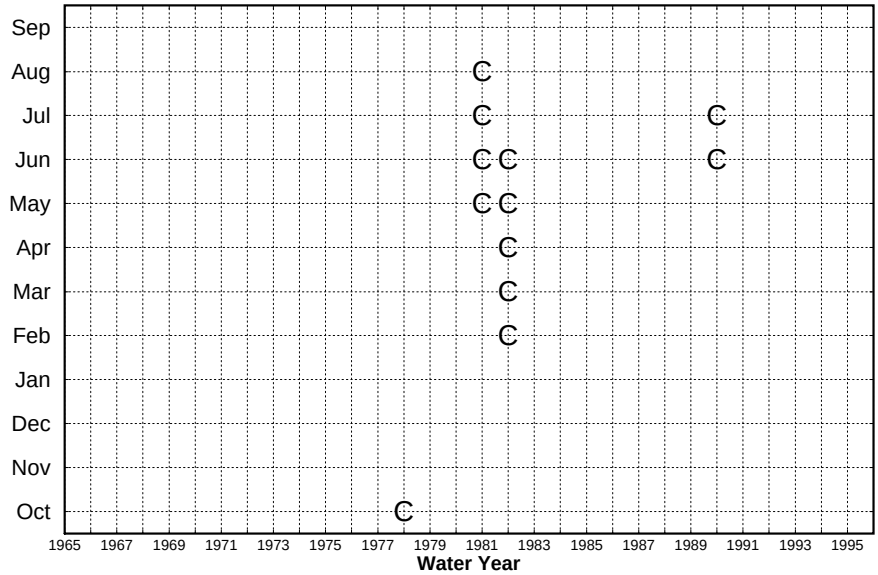
C: Under Supply Side Management and Cutbacks for 7 days or more and Cutbacks greater or equal than 10%

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:51:43
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Lake Okeechobee Service Area − 2020R



Total number of water years with restrictions = 4
Target number of water years with restrictions = 3

C: Under Supply Side Management and Cutbacks for 7 days or more and Cutbacks greater or equal than 10%

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:51:46
For Planning Purposes Only
SFWMM V3.7

Monthly Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − 95BSRR (LEC2020)

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	1	0	0	49.22	0.00	0.00	0.00	0.00	0.00	0.00
1965	2	0	0	24.78	0.00	0.00	0.00	0.00	0.00	0.00
1965	3	0	0	58.22	0.00	0.00	0.00	0.00	0.00	0.00
1965	4	0	0	139.70	0.00	0.00	0.00	0.00	0.00	0.00
1965	5	0	0	271.94	0.00	0.00	7.67	2.82	7.67	2.82
1965	6	0	0	68.42	0.00	0.00	6.87	10.04	6.87	10.04
1965	7	0	0	24.34	0.00	0.00	0.00	0.00	0.00	0.00
1965	8	0	0	0.62	0.00	0.00	0.00	0.00	0.00	0.00
1965	9	0	0	0.18	0.00	0.00	0.00	0.00	0.00	0.00
1965	10	2	0	2.45	0.00	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	46.86	0.00	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	45.72	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
1966	1	0	0	0.43	0.00	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	23.50	0.00	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	71.11	0.00	0.00	0.00	0.00	0.00	0.00
1966	4	0	0	65.77	0.00	0.00	0.00	0.00	0.00	0.00
1966	5	0	0	74.47	0.00	0.00	0.16	0.21	0.16	0.21
1966	6	0	0	3.44	0.00	0.00	0.00	0.00	0.00	0.00
1966	7	0	0	0.31	0.00	0.00	0.00	0.00	0.00	0.00
1966	8	0	0	0.34	0.00	0.00	0.00	0.00	0.00	0.00
1966	9	0	0	1.02	0.00	0.00	0.00	0.00	0.00	0.00
1966	10	0	0	2.95	0.00	0.00	0.00	0.00	0.00	0.00
1966	11	0	0	81.91	0.00	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	56.20	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	1	0	0	55.80	0.00	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	34.90	0.00	0.00	0.00	0.00	0.00	0.00
1967	3	0	0	104.93	0.00	0.00	0.00	0.00	0.00	0.00
1967	4	0	0	217.60	0.00	0.00	0.00	0.00	0.00	0.00
1967	5	0	0	281.65	0.00	0.00	10.61	3.77	10.61	3.77
1967	6	0	0	17.47	0.00	0.00	0.00	0.00	0.00	0.00
1967	7	0	0	7.41	0.00	0.00	0.00	0.00	0.00	0.00
1967	8	0	0	2.82	0.00	0.00	0.00	0.00	0.00	0.00
1967	9	0	0	11.60	0.00	0.00	0.00	0.00	0.00	0.00
1967	10	0	0	2.16	0.00	0.00	0.00	0.00	0.00	0.00
1967	11	0	0	88.19	0.00	0.00	0.00	0.00	0.00	0.00
1967	12	0	0	38.07	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	1	0	0	60.60	0.00	0.00	0.00	0.00	0.00	0.00
1968	2	0	0	30.02	0.00	0.00	0.00	0.00	0.00	0.00
1968	3	2	2	83.28	4.28	5.14	0.00	0.00	4.28	5.14
1968	4	30	27	190.85	62.73	32.87	0.10	0.05	62.83	32.92
1968	5	26	6	48.37	15.18	31.38	0.05	0.10	15.22	31.48
1968	6	0	0	0.12	0.00	0.00	0.00	0.00	0.00	0.00
1968	7	0	0	25.14	0.00	0.00	0.00	0.00	0.00	0.00
1968	8	0	0	7.27	0.00	0.00	0.00	0.00	0.00	0.00
1968	9	0	0	4.49	0.00	0.00	0.00	0.00	0.00	0.00
1968	10	0	0	1.53	0.00	0.00	0.00	0.00	0.00	0.00
1968	11	0	0	27.72	0.00	0.00	0.00	0.00	0.00	0.00
1968	12	0	0	88.83	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
1969	1	0	0	35.80	0.00	0.00	0.00	0.00	0.00	0.00
1969	2	0	0	46.08	0.00	0.00	0.00	0.00	0.00	0.00
1969	3	0	0	10.73	0.00	0.00	0.00	0.00	0.00	0.00
1969	4	0	0	70.06	0.00	0.00	0.00	0.00	0.00	0.00
1969	5	0	0	33.10	0.00	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	18.16	0.00	0.00	0.00	0.00	0.00	0.00
1969	7	0	0	18.64	0.00	0.00	0.00	0.00	0.00	0.00
1969	8	0	0	1.16	0.00	0.00	0.00	0.00	0.00	0.00
1969	9	0	0	0.48	0.00	0.00	0.00	0.00	0.00	0.00
1969	10	0	0	8.57	0.00	0.00	0.00	0.00	0.00	0.00
1969	11	0	0	3.09	0.00	0.00	0.00	0.00	0.00	0.00
1969	12	0	0	8.06	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	1	0	0	13.11	0.00	0.00	0.00	0.00	0.00	0.00
1970	2	0	0	21.22	0.00	0.00	0.00	0.00	0.00	0.00
1970	3	0	0	17.72	0.00	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	105.73	0.00	0.00	0.00	0.00	0.00	0.00
1970	5	0	0	206.60	0.00	0.00	7.04	3.41	7.04	3.41
1970	6	0	0	9.08	0.00	0.00	0.00	0.00	0.00	0.00
1970	7	0	0	7.32	0.00	0.00	0.00	0.00	0.00	0.00
1970	8	0	0	4.11	0.00	0.00	0.00	0.00	0.00	0.00
1970	9	0	0	8.22	0.00	0.00	0.00	0.00	0.00	0.00
1970	10	0	0	14.08	0.00	0.00	0.00	0.00	0.00	0.00
1970	11	0	0	81.72	0.00	0.00	0.00	0.00	0.00	0.00
1970	12	0	0	101.70	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
1971	1	0	0	76.87	0.00	0.00	0.00	0.00	0.00	0.00
1971	2	0	0	53.61	0.00	0.00	0.00	0.00	0.00	0.00
1971	3	0	0	143.95	0.00	0.00	0.00	0.00	0.00	0.00
1971	4	0	0	226.02	0.00	0.00	0.00	0.00	0.00	0.00
1971	5	0	0	140.51	0.00	0.00	0.22	0.15	0.22	0.15
1971	6	0	0	29.98	0.00	0.00	0.00	0.00	0.00	0.00
1971	7	0	0	2.64	0.00	0.00	0.00	0.00	0.00	0.00
1971	8	0	0	1.82	0.00	0.00	0.00	0.00	0.00	0.00
1971	9	0	0	10.81	0.00	0.00	0.00	0.00	0.00	0.00
1971	10	10	4	12.97	2.51	19.36	0.01	0.05	2.52	19.41
1971	11	0	0	39.34	0.00	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	73.12	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
1972	1	0	0	47.22	0.00	0.00	0.00	0.00	0.00	0.00
1972	2	0	0	37.47	0.00	0.00	0.00	0.00	0.00	0.00
1972	3	13	9	100.63	32.32	32.12	0.02	0.02	32.35	32.14
1972	4	6	0	68.32	0.00	0.00	0.00	0.00	0.00	0.00
1972	5	0	0	21.28	0.00	0.00	0.00	0.00	0.00	0.00
1972	6	0	0	26.75	0.00	0.00	1.04	3.88	1.04	3.88
1972	7	0	0	33.23	0.00	0.00	0.00	0.00	0.00	0.00
1972	8	0	0	21.85	0.00	0.00	0.00	0.00	0.00	0.00
1972	9	0	0	32.54	0.00	0.00	0.00	0.00	0.00	0.00
1972	10	31	26	93.77	58.55	62.44	0.01	0.01	58.55	62.44
1972	11	30	12	44.84	26.73	59.61	0.00	0.00	26.73	59.61
1972	12	31	12	38.71	13.63	35.21	0.04	0.10	13.67	35.31

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1973	1	31	5	15.38	4.13	26.87	0.01	0.07	4.14	26.94
1973	2	28	23	17.02	11.16	65.56	0.00	0.01	11.16	65.56
1973	3	31	24	76.01	48.87	64.30	0.00	0.00	48.88	64.30
1973	4	17	10	125.91	17.26	13.71	0.04	0.04	17.30	13.74
1973	5	23	16	153.27	47.81	31.19	0.06	0.04	47.87	31.23
1973	6	0	0	23.51	0.00	0.00	0.00	0.00	0.00	0.00
1973	7	0	0	0.66	0.00	0.00	0.00	0.00	0.00	0.00
1973	8	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1973	9	0	0	0.19	0.00	0.00	0.00	0.00	0.00	0.00
1973	10	0	0	20.73	0.00	0.00	0.00	0.00	0.00	0.00
1973	11	0	0	94.00	0.00	0.00	0.00	0.00	0.00	0.00
1973	12	0	0	31.62	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	1	0	0	48.83	0.00	0.00	0.00	0.00	0.00	0.00
1974	2	15	12	78.11	15.72	20.12	0.03	0.04	15.75	20.16
1974	3	31	30	171.71	104.76	61.01	0.04	0.03	104.81	61.04
1974	4	30	29	192.49	117.23	60.90	0.05	0.03	117.28	60.93
1974	5	31	31	236.54	158.48	67.00	0.00	0.00	158.48	67.00
1974	6	30	26	31.85	21.31	66.89	0.00	0.00	21.31	66.89
1974	7	1	0	0.07	0.00	0.00	0.00	0.00	0.00	0.00
1974	8	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1974	9	0	0	0.19	0.00	0.00	0.00	0.00	0.00	0.00
1974	10	0	0	35.66	0.00	0.00	0.00	0.00	0.00	0.00
1974	11	0	0	62.73	0.00	0.00	0.00	0.00	0.00	0.00
1974	12	0	0	9.90	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
1975	1	0	0	76.39	0.00	0.00	0.00	0.00	0.00	0.00
1975	2	0	0	64.49	0.00	0.00	0.00	0.00	0.00	0.00
1975	3	0	0	115.20	0.00	0.00	0.00	0.00	0.00	0.00
1975	4	0	0	146.87	0.00	0.00	0.00	0.00	0.00	0.00
1975	5	0	0	69.26	0.00	0.00	0.00	0.00	0.00	0.00
1975	6	0	0	7.46	0.00	0.00	0.00	0.00	0.00	0.00
1975	7	0	0	0.72	0.00	0.00	0.00	0.00	0.00	0.00
1975	8	0	0	5.47	0.00	0.00	0.00	0.00	0.00	0.00
1975	9	0	0	2.24	0.00	0.00	0.00	0.00	0.00	0.00
1975	10	0	0	1.74	0.00	0.00	0.00	0.00	0.00	0.00
1975	11	0	0	49.36	0.00	0.00	0.00	0.00	0.00	0.00
1975	12	0	0	85.51	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	1	0	0	77.46	0.00	0.00	0.00	0.00	0.00	0.00
1976	2	0	0	77.84	0.00	0.00	0.00	0.00	0.00	0.00
1976	3	0	0	99.76	0.00	0.00	0.00	0.00	0.00	0.00
1976	4	0	0	148.38	0.00	0.00	0.00	0.00	0.00	0.00
1976	5	0	0	20.48	0.00	0.00	0.00	0.00	0.00	0.00
1976	6	0	0	9.20	0.00	0.00	0.00	0.00	0.00	0.00
1976	7	0	0	26.71	0.00	0.00	0.00	0.00	0.00	0.00
1976	8	0	0	1.86	0.00	0.00	0.00	0.00	0.00	0.00
1976	9	0	0	0.05	0.00	0.00	0.00	0.00	0.00	0.00
1976	10	0	0	69.59	0.00	0.00	0.00	0.00	0.00	0.00
1976	11	0	0	42.78	0.00	0.00	0.00	0.00	0.00	0.00
1976	12	0	0	30.02	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	1	0	0	3.27	0.00	0.00	0.00	0.00	0.00	0.00
1977	2	0	0	51.20	0.00	0.00	0.00	0.00	0.00	0.00
1977	3	0	0	121.37	0.00	0.00	0.00	0.00	0.00	0.00
1977	4	0	0	180.13	0.00	0.00	0.00	0.00	0.00	0.00
1977	5	0	0	79.48	0.00	0.00	0.28	0.36	0.28	0.36
1977	6	0	0	76.36	0.00	0.00	0.00	0.00	0.00	0.00
1977	7	0	0	24.85	0.00	0.00	0.00	0.00	0.00	0.00
1977	8	0	0	9.98	0.00	0.00	0.00	0.00	0.00	0.00
1977	9	0	0	0.07	0.00	0.00	0.00	0.00	0.00	0.00
1977	10	31	22	76.68	44.41	57.91	0.04	0.05	44.44	57.96
1977	11	30	5	28.88	6.96	24.11	0.02	0.06	6.98	24.17
1977	12	7	0	0.04	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	1	0	0	9.26	0.00	0.00	0.00	0.00	0.00	0.00
1978	2	0	0	21.40	0.00	0.00	0.00	0.00	0.00	0.00
1978	3	0	0	56.88	0.00	0.00	0.00	0.00	0.00	0.00
1978	4	0	0	125.00	0.00	0.00	0.00	0.00	0.00	0.00
1978	5	0	0	30.61	0.00	0.00	0.00	0.00	0.00	0.00
1978	6	0	0	31.16	0.00	0.00	0.00	0.00	0.00	0.00
1978	7	0	0	2.28	0.00	0.00	0.00	0.00	0.00	0.00
1978	8	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1978	9	0	0	0.24	0.00	0.00	0.00	0.00	0.00	0.00
1978	10	0	0	8.21	0.00	0.00	0.00	0.00	0.00	0.00
1978	11	0	0	26.48	0.00	0.00	0.00	0.00	0.00	0.00
1978	12	0	0	28.27	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
1979	1	0	0	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1979	2	0	0	53.25	0.00	0.00	0.00	0.00	0.00	0.00
1979	3	0	0	85.11	0.00	0.00	0.00	0.00	0.00	0.00
1979	4	0	0	139.09	0.00	0.00	0.00	0.00	0.00	0.00
1979	5	0	0	14.50	0.00	0.00	0.00	0.00	0.00	0.00
1979	6	0	0	220.60	0.00	0.00	16.17	7.33	16.17	7.33
1979	7	0	0	36.36	0.00	0.00	0.00	0.00	0.00	0.00
1979	8	0	0	4.62	0.00	0.00	0.00	0.00	0.00	0.00
1979	9	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1979	10	0	0	11.67	0.00	0.00	0.00	0.00	0.00	0.00
1979	11	0	0	4.67	0.00	0.00	0.00	0.00	0.00	0.00
1979	12	0	0	16.59	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	1	0	0	44.66	0.00	0.00	0.00	0.00	0.00	0.00
1980	2	0	0	13.57	0.00	0.00	0.00	0.00	0.00	0.00
1980	3	0	0	83.21	0.00	0.00	0.00	0.00	0.00	0.00
1980	4	0	0	14.64	0.00	0.00	0.00	0.00	0.00	0.00
1980	5	0	0	138.41	0.00	0.00	0.88	0.63	0.88	0.63
1980	6	0	0	152.72	0.00	0.00	2.23	1.46	2.23	1.46
1980	7	0	0	18.48	0.00	0.00	0.00	0.00	0.00	0.00
1980	8	0	0	7.76	0.00	0.00	0.00	0.00	0.00	0.00
1980	9	0	0	1.41	0.00	0.00	0.00	0.00	0.00	0.00
1980	10	0	0	73.74	0.00	0.00	0.00	0.00	0.00	0.00
1980	11	0	0	36.18	0.00	0.00	0.00	0.00	0.00	0.00
1980	12	0	0	31.69	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
1981	1	0	0	60.51	0.00	0.00	0.00	0.00	0.00	0.00
1981	2	0	0	29.17	0.00	0.00	0.00	0.00	0.00	0.00
1981	3	0	0	93.00	0.00	0.00	0.00	0.00	0.00	0.00
1981	4	0	0	213.18	0.00	0.00	0.00	0.00	0.00	0.00
1981	5	28	28	265.76	138.78	52.22	0.56	0.21	139.34	52.43
1981	6	30	30	165.00	109.94	66.63	0.00	0.00	109.94	66.63
1981	7	31	30	121.18	81.19	67.00	0.00	0.00	81.19	67.00
1981	8	31	15	6.20	4.15	67.00	0.00	0.00	4.15	67.00
1981	9	10	0	1.17	0.00	0.00	0.00	0.00	0.00	0.00
1981	10	31	30	118.55	78.63	66.33	0.00	0.00	78.63	66.33
1981	11	30	18	50.26	30.07	59.82	0.00	0.01	30.07	59.83
1981	12	31	30	118.56	68.30	57.61	0.06	0.05	68.36	57.66

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1982	1	31	31	104.63	58.06	55.49	0.08	0.08	58.14	55.57
1982	2	28	28	62.60	41.94	67.00	0.00	0.00	41.94	67.00
1982	3	31	29	66.20	44.36	67.00	0.00	0.00	44.36	67.00
1982	4	30	30	53.09	35.57	67.00	0.00	0.00	35.57	67.00
1982	5	31	27	156.11	104.60	67.00	0.00	0.00	104.60	67.00
1982	6	5	1	22.44	0.00	0.00	0.45	2.01	0.45	2.02
1982	7	0	0	10.10	0.00	0.00	0.00	0.00	0.00	0.00
1982	8	0	0	7.30	0.00	0.00	0.00	0.00	0.00	0.00
1982	9	0	0	8.56	0.00	0.00	0.00	0.00	0.00	0.00
1982	10	0	0	22.86	0.00	0.00	0.00	0.00	0.00	0.00
1982	11	0	0	48.32	0.00	0.00	0.00	0.00	0.00	0.00
1982	12	0	0	69.19	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
1983	1	0	0	22.81	0.00	0.00	0.00	0.00	0.00	0.00
1983	2	0	0	1.82	0.00	0.00	0.00	0.00	0.00	0.00
1983	3	0	0	0.33	0.00	0.00	0.00	0.00	0.00	0.00
1983	4	0	0	46.88	0.00	0.00	0.00	0.00	0.00	0.00
1983	5	0	0	264.77	0.00	0.00	7.21	2.72	7.21	2.72
1983	6	0	0	14.83	0.00	0.00	0.00	0.00	0.00	0.00
1983	7	0	0	30.60	0.00	0.00	0.00	0.00	0.00	0.00
1983	8	0	0	3.97	0.00	0.00	0.00	0.00	0.00	0.00
1983	9	0	0	4.78	0.00	0.00	0.00	0.00	0.00	0.00
1983	10	0	0	1.18	0.00	0.00	0.00	0.00	0.00	0.00
1983	11	0	0	17.78	0.00	0.00	0.00	0.00	0.00	0.00
1983	12	0	0	23.07	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	1	0	0	43.13	0.00	0.00	0.00	0.00	0.00	0.00
1984	2	0	0	36.53	0.00	0.00	0.00	0.00	0.00	0.00
1984	3	0	0	20.99	0.00	0.00	0.00	0.00	0.00	0.00
1984	4	0	0	62.74	0.00	0.00	0.00	0.00	0.00	0.00
1984	5	0	0	164.48	0.00	0.00	4.76	2.90	4.76	2.90
1984	6	0	0	66.51	0.00	0.00	0.24	0.37	0.24	0.37
1984	7	0	0	3.08	0.00	0.00	0.00	0.00	0.00	0.00
1984	8	0	0	15.32	0.00	0.00	0.00	0.00	0.00	0.00
1984	9	0	0	23.00	0.00	0.00	0.00	0.00	0.00	0.00
1984	10	0	0	74.47	0.00	0.00	0.00	0.00	0.00	0.00
1984	11	0	0	62.95	0.00	0.00	0.00	0.00	0.00	0.00
1984	12	0	0	66.12	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
1985	1	0	0	64.44	0.00	0.00	0.00	0.00	0.00	0.00
1985	2	0	0	83.95	0.00	0.00	0.00	0.00	0.00	0.00
1985	3	0	0	101.35	0.00	0.00	0.00	0.00	0.00	0.00
1985	4	0	0	37.74	0.00	0.00	0.00	0.00	0.00	0.00
1985	5	0	0	159.37	0.00	0.00	3.03	1.90	3.03	1.90
1985	6	0	0	135.29	0.00	0.00	12.97	9.58	12.97	9.58
1985	7	0	0	5.48	0.00	0.00	0.00	0.00	0.00	0.00
1985	8	0	0	4.72	0.00	0.00	0.00	0.00	0.00	0.00
1985	9	0	0	0.21	0.00	0.00	0.00	0.00	0.00	0.00
1985	10	3	0	10.26	0.00	0.00	0.00	0.00	0.00	0.00
1985	11	0	0	38.67	0.00	0.00	0.00	0.00	0.00	0.00
1985	12	0	0	18.58	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	1	0	0	22.83	0.00	0.00	0.00	0.00	0.00	0.00
1986	2	0	0	54.43	0.00	0.00	0.00	0.00	0.00	0.00
1986	3	0	0	21.00	0.00	0.00	0.00	0.00	0.00	0.00
1986	4	0	0	169.84	0.00	0.00	0.00	0.00	0.00	0.00
1986	5	0	0	169.84	0.00	0.00	0.89	0.53	0.89	0.53
1986	6	0	0	23.26	0.00	0.00	0.00	0.00	0.00	0.00
1986	7	0	0	6.76	0.00	0.00	0.00	0.00	0.00	0.00
1986	8	0	0	0.63	0.00	0.00	0.00	0.00	0.00	0.00
1986	9	0	0	13.35	0.00	0.00	0.00	0.00	0.00	0.00
1986	10	0	0	29.73	0.00	0.00	0.00	0.00	0.00	0.00
1986	11	0	0	34.01	0.00	0.00	0.00	0.00	0.00	0.00
1986	12	0	0	52.70	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
1987	1	0	0	20.92	0.00	0.00	0.00	0.00	0.00	0.00
1987	2	0	0	23.01	0.00	0.00	0.00	0.00	0.00	0.00
1987	3	0	0	18.94	0.00	0.00	0.00	0.00	0.00	0.00
1987	4	0	0	120.47	0.00	0.00	0.00	0.00	0.00	0.00
1987	5	0	0	178.41	0.00	0.00	4.68	2.62	4.68	2.62
1987	6	0	0	153.87	0.00	0.00	2.39	1.55	2.39	1.55
1987	7	0	0	25.61	0.00	0.00	0.00	0.00	0.00	0.00
1987	8	0	0	51.91	0.00	0.00	0.00	0.00	0.00	0.00
1987	9	0	0	13.93	0.00	0.00	0.00	0.00	0.00	0.00
1987	10	21	0	24.58	0.00	0.00	0.00	0.00	0.00	0.00
1987	11	0	0	1.01	0.00	0.00	0.00	0.00	0.00	0.00
1987	12	0	0	40.35	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	1	0	0	13.03	0.00	0.00	0.00	0.00	0.00	0.00
1988	2	0	0	19.85	0.00	0.00	0.00	0.00	0.00	0.00
1988	3	0	0	30.56	0.00	0.00	0.00	0.00	0.00	0.00
1988	4	0	0	158.49	0.00	0.00	0.00	0.00	0.00	0.00
1988	5	0	0	138.91	0.00	0.00	0.36	0.26	0.36	0.26
1988	6	0	0	49.27	0.00	0.00	0.00	0.00	0.00	0.00
1988	7	0	0	5.93	0.00	0.00	0.00	0.00	0.00	0.00
1988	8	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1988	9	0	0	41.49	0.00	0.00	0.00	0.00	0.00	0.00
1988	10	0	0	134.23	0.00	0.00	0.00	0.00	0.00	0.00
1988	11	0	0	40.19	0.00	0.00	0.00	0.00	0.00	0.00
1988	12	0	0	65.98	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
1989	1	0	0	80.57	0.00	0.00	0.00	0.00	0.00	0.00
1989	2	0	0	98.09	0.00	0.00	0.00	0.00	0.00	0.00
1989	3	0	0	74.24	0.00	0.00	0.00	0.00	0.00	0.00
1989	4	0	0	69.99	0.00	0.00	0.00	0.00	0.00	0.00
1989	5	0	0	179.25	0.00	0.00	3.23	1.80	3.23	1.80
1989	6	0	0	159.26	0.00	0.00	14.45	9.07	14.45	9.07
1989	7	0	0	35.37	0.00	0.00	0.00	0.00	0.00	0.00
1989	8	0	0	7.38	0.00	0.00	0.00	0.00	0.00	0.00
1989	9	0	0	1.86	0.00	0.00	0.00	0.00	0.00	0.00
1989	10	31	2	13.62	0.18	1.31	0.00	0.00	0.18	1.31
1989	11	30	26	103.44	32.68	31.60	0.06	0.06	32.75	31.66
1989	12	31	3	30.94	0.57	1.83	0.01	0.03	0.57	1.86

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1990	1	31	14	70.56	14.60	20.69	0.04	0.06	14.64	20.74
1990	2	28	8	34.88	9.71	27.83	0.01	0.04	9.72	27.87
1990	3	21	18	102.77	42.02	40.89	0.06	0.05	42.08	40.94
1990	4	30	14	134.93	19.19	14.23	0.10	0.07	19.29	14.30
1990	5	31	12	103.92	30.37	29.22	0.05	0.05	30.42	29.27
1990	6	30	21	75.00	47.46	63.28	0.01	0.01	47.48	63.30
1990	7	12	1	6.88	0.00	0.04	0.00	0.00	0.00	0.04
1990	8	0	0	5.04	0.00	0.00	0.00	0.00	0.00	0.00
1990	9	0	0	22.37	0.00	0.00	0.00	0.00	0.00	0.00
1990	10	31	5	25.72	1.76	6.83	0.00	0.01	1.76	6.83
1990	11	30	20	102.06	27.51	26.95	0.09	0.09	27.60	27.04
1990	12	31	20	110.79	23.72	21.41	0.05	0.05	23.77	21.45

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1991	1	21	4	22.29	4.13	18.53	0.01	0.03	4.14	18.55
1991	2	14	9	53.55	7.05	13.16	0.01	0.02	7.06	13.19
1991	3	3	2	72.53	6.95	9.58	0.00	0.00	6.95	9.59
1991	4	0	0	8.63	0.00	0.00	0.00	0.00	0.00	0.00
1991	5	0	0	86.68	0.00	0.00	0.66	0.76	0.66	0.76
1991	6	0	0	21.58	0.00	0.00	0.00	0.00	0.00	0.00
1991	7	0	0	0.02	0.00	0.00	0.00	0.00	0.00	0.00
1991	8	0	0	5.05	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	0	0	2.25	0.00	0.00	0.00	0.00	0.00	0.00
1991	10	0	0	7.33	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	0	0	30.49	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	0	0	29.09	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	1	0	0	21.31	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	0	0	22.42	0.00	0.00	0.00	0.00	0.00	0.00
1992	3	0	0	35.76	0.00	0.00	0.00	0.00	0.00	0.00
1992	4	0	0	15.34	0.00	0.00	0.00	0.00	0.00	0.00
1992	5	0	0	239.13	0.00	0.00	4.65	1.94	4.65	1.94
1992	6	0	0	19.03	0.00	0.00	0.39	2.07	0.39	2.07
1992	7	0	0	37.06	0.00	0.00	0.00	0.00	0.00	0.00
1992	8	0	0	8.34	0.00	0.00	0.00	0.00	0.00	0.00
1992	9	0	0	1.33	0.00	0.00	0.00	0.00	0.00	0.00
1992	10	0	0	53.29	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0	0	20.07	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	0	0	48.31	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	1	0	0	0.18	0.00	0.00	0.00	0.00	0.00	0.00
1993	2	0	0	13.64	0.00	0.00	0.00	0.00	0.00	0.00
1993	3	0	0	16.47	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0	0	53.13	0.00	0.00	0.00	0.00	0.00	0.00
1993	5	0	0	228.09	0.00	0.00	5.51	2.42	5.51	2.42
1993	6	0	0	66.05	0.00	0.00	0.32	0.48	0.32	0.48
1993	7	0	0	73.67	0.00	0.00	0.00	0.00	0.00	0.00
1993	8	0	0	67.83	0.00	0.00	0.00	0.00	0.00	0.00
1993	9	0	0	2.58	0.00	0.00	0.00	0.00	0.00	0.00
1993	10	0	0	3.21	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	0	0	41.25	0.00	0.00	0.00	0.00	0.00	0.00
1993	12	0	0	44.31	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	1	0	0	9.43	0.00	0.00	0.00	0.00	0.00	0.00
1994	2	0	0	11.65	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0	0	44.04	0.00	0.00	0.00	0.00	0.00	0.00
1994	4	0	0	65.05	0.00	0.00	0.00	0.00	0.00	0.00
1994	5	0	0	127.08	0.00	0.00	0.02	0.02	0.02	0.02
1994	6	0	0	7.98	0.00	0.00	0.00	0.00	0.00	0.00
1994	7	0	0	22.84	0.00	0.00	0.00	0.00	0.00	0.00
1994	8	0	0	0.03	0.00	0.00	0.00	0.00	0.00	0.00
1994	9	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	10	0	0	2.42	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	0	0	3.26	0.00	0.00	0.00	0.00	0.00	0.00
1994	12	0	0	1.26	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	1	0	0	4.72	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	0	0	3.02	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	0	0	43.39	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0	0	90.73	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0	0	97.71	0.00	0.00	0.00	0.00	0.00	0.00
1995	6	0	0	30.32	0.00	0.00	0.00	0.00	0.00	0.00
1995	7	0	0	20.91	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	0	0	9.12	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	0	0	3.50	0.00	0.00	0.00	0.00	0.00	0.00
1995	10	0	0	6.83	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	0	0	48.19	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	0	0	38.38	0.00	0.00	0.00	0.00	0.00	0.00

Annual Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − 95BSRR (LEC2020)

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

Year	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1965	2	0	732.44	0.00	0.00	14.54	1.99	14.54	1.99
1966	0	0	381.46	0.00	0.00	0.16	0.04	0.16	0.04
1967	0	0	862.60	0.00	0.00	10.61	1.23	10.61	1.23
1968	58	35	568.22	82.19	14.46	0.15	0.03	82.34	14.49
1969	0	0	253.95	0.00	0.00	0.00	0.00	0.00	0.00
1970	0	0	590.62	0.00	0.00	7.04	1.19	7.04	1.19
1971	10	4	811.64	2.51	0.31	0.22	0.03	2.73	0.34
1972	111	59	566.61	131.23	23.16	1.11	0.20	132.33	23.36
1973	130	78	558.30	129.23	23.15	0.12	0.02	129.35	23.17
1974	138	128	868.08	417.49	48.09	0.13	0.01	417.62	48.11
1975	0	0	624.70	0.00	0.00	0.00	0.00	0.00	0.00
1976	0	0	604.12	0.00	0.00	0.00	0.00	0.00	0.00
1977	68	27	652.31	51.37	7.88	0.34	0.05	51.71	7.93
1978	0	0	340.86	0.00	0.00	0.00	0.00	0.00	0.00
1979	0	0	586.48	0.00	0.00	16.17	2.76	16.17	2.76
1980	0	0	616.48	0.00	0.00	3.11	0.50	3.11	0.50
1981	222	181	1242.54	511.06	41.13	0.63	0.05	511.69	41.18
1982	156	146	631.40	284.53	45.06	0.53	0.08	285.06	45.15
1983	0	0	432.83	0.00	0.00	7.21	1.67	7.21	1.67
1984	0	0	639.31	0.00	0.00	5.01	0.78	5.01	0.78
1985	3	0	660.08	0.00	0.00	16.00	2.42	16.00	2.42
1986	0	0	598.38	0.00	0.00	0.89	0.15	0.89	0.15
1987	21	0	673.01	0.00	0.00	7.07	1.05	7.07	1.05
1988	0	0	699.00	0.00	0.00	0.36	0.05	0.36	0.05
1989	92	31	854.02	33.43	3.91	17.75	2.08	51.18	5.99
1990	275	133	794.91	216.33	27.21	0.41	0.05	216.74	27.27
1991	38	15	339.48	18.13	5.34	0.68	0.20	18.81	5.54
1992	0	0	521.39	0.00	0.00	5.04	0.97	5.04	0.97
1993	0	0	610.41	0.00	0.00	5.83	0.96	5.83	0.96
1994	0	0	295.04	0.00	0.00	0.02	0.01	0.02	0.01
1995	0	0	396.83	0.00	0.00	0.00	0.00	0.00	0.00

Monthly Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − 2005R (LEC2020)

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	1	0	0	49.33	0.00	0.00	0.00	0.00	0.00	0.00
1965	2	0	0	23.97	0.00	0.00	0.00	0.00	0.00	0.00
1965	3	0	0	55.09	0.00	0.00	0.00	0.00	0.00	0.00
1965	4	0	0	134.43	0.00	0.00	0.00	0.00	0.00	0.00
1965	5	0	0	263.50	0.00	0.00	0.79	0.30	0.79	0.30
1965	6	0	0	67.89	0.00	0.00	1.67	2.46	1.67	2.46
1965	7	0	0	25.29	0.00	0.00	0.00	0.00	0.00	0.00
1965	8	0	0	0.55	0.00	0.00	0.00	0.00	0.00	0.00
1965	9	0	0	0.18	0.00	0.00	0.00	0.00	0.00	0.00
1965	10	1	0	1.93	0.00	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	51.56	0.00	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	44.49	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	1	0	0	0.28	0.00	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	22.30	0.00	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	70.45	0.00	0.00	0.00	0.00	0.00	0.00
1966	4	0	0	63.69	0.00	0.00	0.00	0.00	0.00	0.00
1966	5	0	0	74.19	0.00	0.00	0.00	0.00	0.00	0.00
1966	6	0	0	5.67	0.00	0.00	0.00	0.00	0.00	0.00
1966	7	0	0	0.29	0.00	0.00	0.00	0.00	0.00	0.00
1966	8	0	0	0.33	0.00	0.00	0.00	0.00	0.00	0.00
1966	9	0	0	1.04	0.00	0.00	0.00	0.00	0.00	0.00
1966	10	0	0	5.48	0.00	0.00	0.00	0.00	0.00	0.00
1966	11	0	0	86.87	0.00	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	56.20	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	1	0	0	54.27	0.00	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	32.98	0.00	0.00	0.00	0.00	0.00	0.00
1967	3	0	0	102.46	0.00	0.00	0.00	0.00	0.00	0.00
1967	4	0	0	216.29	0.00	0.00	0.00	0.00	0.00	0.00
1967	5	0	0	273.33	0.00	0.00	2.00	0.73	2.00	0.73
1967	6	0	0	14.73	0.00	0.00	0.00	0.00	0.00	0.00
1967	7	0	0	9.20	0.00	0.00	0.00	0.00	0.00	0.00
1967	8	0	0	2.89	0.00	0.00	0.00	0.00	0.00	0.00
1967	9	0	0	14.48	0.00	0.00	0.00	0.00	0.00	0.00
1967	10	0	0	4.12	0.00	0.00	0.00	0.00	0.00	0.00
1967	11	0	0	95.37	0.00	0.00	0.00	0.00	0.00	0.00
1967	12	0	0	40.06	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	1	0	0	62.25	0.00	0.00	0.00	0.00	0.00	0.00
1968	2	0	0	30.79	0.00	0.00	0.00	0.00	0.00	0.00
1968	3	6	6	84.58	16.01	18.93	0.01	0.02	16.02	18.94
1968	4	30	29	192.96	72.35	37.49	0.12	0.06	72.46	37.55
1968	5	27	9	54.73	22.46	41.05	0.01	0.03	22.48	41.07
1968	6	0	0	0.12	0.00	0.00	0.00	0.00	0.00	0.00
1968	7	0	0	24.10	0.00	0.00	0.00	0.00	0.00	0.00
1968	8	0	0	8.28	0.00	0.00	0.00	0.00	0.00	0.00
1968	9	0	0	5.66	0.00	0.00	0.00	0.00	0.00	0.00
1968	10	0	0	2.13	0.00	0.00	0.00	0.00	0.00	0.00
1968	11	0	0	30.58	0.00	0.00	0.00	0.00	0.00	0.00
1968	12	0	0	89.27	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
1969	1	0	0	35.47	0.00	0.00	0.00	0.00	0.00	0.00
1969	2	0	0	44.78	0.00	0.00	0.00	0.00	0.00	0.00
1969	3	0	0	11.66	0.00	0.00	0.00	0.00	0.00	0.00
1969	4	0	0	74.83	0.00	0.00	0.00	0.00	0.00	0.00
1969	5	0	0	32.44	0.00	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	22.54	0.00	0.00	0.00	0.00	0.00	0.00
1969	7	0	0	22.31	0.00	0.00	0.00	0.00	0.00	0.00
1969	8	0	0	1.13	0.00	0.00	0.00	0.00	0.00	0.00
1969	9	0	0	0.45	0.00	0.00	0.00	0.00	0.00	0.00
1969	10	0	0	11.19	0.00	0.00	0.00	0.00	0.00	0.00
1969	11	0	0	5.83	0.00	0.00	0.00	0.00	0.00	0.00
1969	12	0	0	10.50	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
1970	1	0	0	13.40	0.00	0.00	0.00	0.00	0.00	0.00
1970	2	0	0	21.56	0.00	0.00	0.00	0.00	0.00	0.00
1970	3	0	0	18.77	0.00	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	105.44	0.00	0.00	0.00	0.00	0.00	0.00
1970	5	0	0	203.30	0.00	0.00	0.00	0.00	0.00	0.00
1970	6	0	0	11.85	0.00	0.00	0.00	0.00	0.00	0.00
1970	7	0	0	10.38	0.00	0.00	0.00	0.00	0.00	0.00
1970	8	0	0	5.73	0.00	0.00	0.00	0.00	0.00	0.00
1970	9	0	0	10.24	0.00	0.00	0.00	0.00	0.00	0.00
1970	10	0	0	17.42	0.00	0.00	0.00	0.00	0.00	0.00
1970	11	0	0	86.40	0.00	0.00	0.00	0.00	0.00	0.00
1970	12	0	0	100.69	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
1971	1	0	0	77.99	0.00	0.00	0.00	0.00	0.00	0.00
1971	2	0	0	54.50	0.00	0.00	0.00	0.00	0.00	0.00
1971	3	0	0	143.30	0.00	0.00	0.00	0.00	0.00	0.00
1971	4	0	0	224.33	0.00	0.00	0.00	0.00	0.00	0.00
1971	5	9	7	145.13	14.42	9.94	0.01	0.00	14.43	9.94
1971	6	30	9	38.96	24.46	62.79	0.00	0.00	24.46	62.79
1971	7	8	0	3.34	0.00	0.00	0.00	0.00	0.00	0.00
1971	8	0	0	2.27	0.00	0.00	0.00	0.00	0.00	0.00
1971	9	0	0	11.72	0.00	0.00	0.00	0.00	0.00	0.00
1971	10	24	5	18.03	7.40	41.05	0.00	0.03	7.41	41.07
1971	11	0	0	42.50	0.00	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	73.74	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
1972	1	0	0	50.55	0.00	0.00	0.00	0.00	0.00	0.00
1972	2	4	4	36.68	7.79	21.24	0.01	0.04	7.81	21.28
1972	3	31	20	107.78	49.21	45.66	0.02	0.02	49.23	45.68
1972	4	30	9	76.58	23.65	30.88	0.05	0.07	23.70	30.95
1972	5	1	0	26.71	0.00	0.00	0.00	0.00	0.00	0.00
1972	6	0	0	29.19	0.00	0.00	1.00	3.43	1.00	3.43
1972	7	0	0	36.93	0.00	0.00	0.00	0.00	0.00	0.00
1972	8	0	0	26.73	0.00	0.00	0.00	0.00	0.00	0.00
1972	9	0	0	38.24	0.00	0.00	0.00	0.00	0.00	0.00
1972	10	31	27	94.48	61.65	65.25	0.00	0.00	61.65	65.25
1972	11	30	12	44.35	26.30	59.30	0.01	0.02	26.31	59.32
1972	12	31	12	37.32	13.23	35.45	0.01	0.02	13.23	35.46

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1973	1	31	5	14.81	3.96	26.73	0.01	0.05	3.96	26.78
1973	2	28	24	14.41	9.65	67.00	0.00	0.00	9.65	67.00
1973	3	31	30	69.67	46.68	67.00	0.00	0.00	46.68	67.00
1973	4	30	27	139.80	78.86	56.41	0.09	0.06	78.95	56.47
1973	5	31	27	183.20	91.21	49.79	0.11	0.06	91.32	49.85
1973	6	30	14	33.38	19.21	57.55	0.00	0.01	19.21	57.57
1973	7	18	3	0.92	0.43	46.20	0.00	0.00	0.43	46.20
1973	8	0	0	0.04	0.00	0.00	0.00	0.00	0.00	0.00
1973	9	0	0	0.21	0.00	0.00	0.00	0.00	0.00	0.00
1973	10	6	0	24.38	0.00	0.00	0.00	0.00	0.00	0.00
1973	11	0	0	95.54	0.00	0.00	0.00	0.00	0.00	0.00
1973	12	14	0	33.70	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
1974	1	5	1	51.93	0.19	0.37	0.00	0.00	0.20	0.38
1974	2	28	26	81.94	40.90	49.92	0.07	0.08	40.97	50.00
1974	3	31	31	171.95	113.24	65.86	0.01	0.01	113.25	65.86
1974	4	30	30	194.28	128.77	66.28	0.03	0.01	128.79	66.29
1974	5	31	31	230.05	154.13	67.00	0.00	0.00	154.13	67.00
1974	6	30	28	38.10	25.53	67.00	0.00	0.00	25.53	67.00
1974	7	3	0	0.20	0.00	0.00	0.00	0.00	0.00	0.00
1974	8	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1974	9	0	0	0.78	0.00	0.00	0.00	0.00	0.00	0.00
1974	10	0	0	40.56	0.00	0.00	0.00	0.00	0.00	0.00
1974	11	0	0	63.87	0.00	0.00	0.00	0.00	0.00	0.00
1974	12	0	0	9.39	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
1975	1	0	0	77.60	0.00	0.00	0.00	0.00	0.00	0.00
1975	2	0	0	64.27	0.00	0.00	0.00	0.00	0.00	0.00
1975	3	0	0	113.98	0.00	0.00	0.00	0.00	0.00	0.00
1975	4	0	0	146.12	0.00	0.00	0.00	0.00	0.00	0.00
1975	5	0	0	74.38	0.00	0.00	0.00	0.00	0.00	0.00
1975	6	0	0	10.00	0.00	0.00	0.00	0.00	0.00	0.00
1975	7	0	0	2.80	0.00	0.00	0.00	0.00	0.00	0.00
1975	8	0	0	6.85	0.00	0.00	0.00	0.00	0.00	0.00
1975	9	0	0	2.18	0.00	0.00	0.00	0.00	0.00	0.00
1975	10	0	0	4.71	0.00	0.00	0.00	0.00	0.00	0.00
1975	11	0	0	56.38	0.00	0.00	0.00	0.00	0.00	0.00
1975	12	0	0	85.56	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	1	0	0	78.74	0.00	0.00	0.00	0.00	0.00	0.00
1976	2	0	0	78.50	0.00	0.00	0.00	0.00	0.00	0.00
1976	3	2	2	98.09	4.32	4.40	0.01	0.01	4.33	4.41
1976	4	9	7	151.08	16.39	10.85	0.06	0.04	16.45	10.89
1976	5	18	1	29.82	0.43	1.44	0.01	0.04	0.44	1.48
1976	6	0	0	14.08	0.00	0.00	0.00	0.00	0.00	0.00
1976	7	0	0	30.58	0.00	0.00	0.00	0.00	0.00	0.00
1976	8	0	0	2.20	0.00	0.00	0.00	0.00	0.00	0.00
1976	9	0	0	0.07	0.00	0.00	0.00	0.00	0.00	0.00
1976	10	6	6	73.65	8.60	11.68	0.02	0.02	8.62	11.70
1976	11	3	1	46.01	0.95	2.07	0.01	0.03	0.97	2.10
1976	12	0	0	34.99	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
1977	1	0	0	3.67	0.00	0.00	0.00	0.00	0.00	0.00
1977	2	0	0	51.33	0.00	0.00	0.00	0.00	0.00	0.00
1977	3	0	0	120.47	0.00	0.00	0.00	0.00	0.00	0.00
1977	4	0	0	180.42	0.00	0.00	0.00	0.00	0.00	0.00
1977	5	0	0	79.83	0.00	0.00	0.01	0.01	0.01	0.01
1977	6	0	0	87.65	0.00	0.00	0.00	0.00	0.00	0.00
1977	7	0	0	27.96	0.00	0.00	0.00	0.00	0.00	0.00
1977	8	0	0	9.65	0.00	0.00	0.00	0.00	0.00	0.00
1977	9	0	0	0.35	0.00	0.00	0.00	0.00	0.00	0.00
1977	10	31	24	80.61	52.13	64.67	0.01	0.01	52.14	64.68
1977	11	30	11	33.38	14.94	44.76	0.01	0.04	14.95	44.80
1977	12	16	0	0.13	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
1978	1	0	0	11.59	0.00	0.00	0.00	0.00	0.00	0.00
1978	2	0	0	21.04	0.00	0.00	0.00	0.00	0.00	0.00
1978	3	0	0	56.80	0.00	0.00	0.00	0.00	0.00	0.00
1978	4	0	0	122.59	0.00	0.00	0.00	0.00	0.00	0.00
1978	5	0	0	34.79	0.00	0.00	0.00	0.00	0.00	0.00
1978	6	0	0	35.27	0.00	0.00	0.00	0.00	0.00	0.00
1978	7	0	0	2.49	0.00	0.00	0.00	0.00	0.00	0.00
1978	8	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1978	9	0	0	2.57	0.00	0.00	0.00	0.00	0.00	0.00
1978	10	0	0	11.90	0.00	0.00	0.00	0.00	0.00	0.00
1978	11	0	0	31.33	0.00	0.00	0.00	0.00	0.00	0.00
1978	12	0	0	29.25	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
1979	1	0	0	0.08	0.00	0.00	0.00	0.00	0.00	0.00
1979	2	0	0	53.45	0.00	0.00	0.00	0.00	0.00	0.00
1979	3	0	0	84.77	0.00	0.00	0.00	0.00	0.00	0.00
1979	4	0	0	138.16	0.00	0.00	0.00	0.00	0.00	0.00
1979	5	0	0	15.41	0.00	0.00	0.00	0.00	0.00	0.00
1979	6	0	0	213.69	0.00	0.00	6.76	3.16	6.76	3.16
1979	7	0	0	39.09	0.00	0.00	0.00	0.00	0.00	0.00
1979	8	0	0	5.29	0.00	0.00	0.00	0.00	0.00	0.00
1979	9	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1979	10	0	0	15.40	0.00	0.00	0.00	0.00	0.00	0.00
1979	11	0	0	6.32	0.00	0.00	0.00	0.00	0.00	0.00
1979	12	0	0	21.10	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	1	0	0	45.52	0.00	0.00	0.00	0.00	0.00	0.00
1980	2	0	0	12.58	0.00	0.00	0.00	0.00	0.00	0.00
1980	3	0	0	80.68	0.00	0.00	0.00	0.00	0.00	0.00
1980	4	0	0	15.00	0.00	0.00	0.00	0.00	0.00	0.00
1980	5	0	0	136.69	0.00	0.00	0.00	0.00	0.00	0.00
1980	6	0	0	155.11	0.00	0.00	0.48	0.31	0.48	0.31
1980	7	0	0	20.05	0.00	0.00	0.00	0.00	0.00	0.00
1980	8	0	0	7.90	0.00	0.00	0.00	0.00	0.00	0.00
1980	9	0	0	2.25	0.00	0.00	0.00	0.00	0.00	0.00
1980	10	0	0	75.69	0.00	0.00	0.00	0.00	0.00	0.00
1980	11	0	0	36.93	0.00	0.00	0.00	0.00	0.00	0.00
1980	12	0	0	32.23	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	1	0	0	60.58	0.00	0.00	0.00	0.00	0.00	0.00
1981	2	0	0	29.72	0.00	0.00	0.00	0.00	0.00	0.00
1981	3	0	0	93.11	0.00	0.00	0.00	0.00	0.00	0.00
1981	4	21	20	219.24	65.80	30.01	0.10	0.04	65.90	30.06
1981	5	31	31	281.93	186.97	66.32	0.04	0.01	187.01	66.33
1981	6	30	30	189.56	127.01	67.00	0.00	0.00	127.01	67.00
1981	7	31	30	129.78	86.95	67.00	0.00	0.00	86.95	67.00
1981	8	31	15	7.46	5.00	67.00	0.00	0.00	5.00	67.00
1981	9	20	0	1.31	0.00	0.00	0.00	0.00	0.00	0.00
1981	10	31	31	119.15	79.28	66.54	0.01	0.00	79.29	66.54
1981	11	30	18	49.59	29.50	59.49	0.00	0.01	29.51	59.50
1981	12	31	30	116.69	66.51	57.00	0.06	0.05	66.57	57.05

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1982	1	31	31	101.62	55.15	54.26	0.08	0.07	55.22	54.34
1982	2	28	28	59.54	39.89	67.00	0.00	0.00	39.89	67.00
1982	3	31	30	60.94	40.83	67.00	0.00	0.00	40.83	67.00
1982	4	30	30	43.88	29.40	67.00	0.00	0.00	29.40	67.00
1982	5	31	27	157.05	105.22	67.00	0.00	0.00	105.22	67.00
1982	6	19	7	25.54	16.28	63.74	0.00	0.00	16.28	63.75
1982	7	0	0	16.36	0.00	0.00	0.00	0.00	0.00	0.00
1982	8	0	0	9.21	0.00	0.00	0.00	0.00	0.00	0.00
1982	9	0	0	10.95	0.00	0.00	0.00	0.00	0.00	0.00
1982	10	0	0	23.78	0.00	0.00	0.00	0.00	0.00	0.00
1982	11	0	0	50.89	0.00	0.00	0.00	0.00	0.00	0.00
1982	12	0	0	70.28	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
1983	1	0	0	22.92	0.00	0.00	0.00	0.00	0.00	0.00
1983	2	0	0	1.66	0.00	0.00	0.00	0.00	0.00	0.00
1983	3	0	0	0.29	0.00	0.00	0.00	0.00	0.00	0.00
1983	4	0	0	47.63	0.00	0.00	0.00	0.00	0.00	0.00
1983	5	0	0	262.31	0.00	0.00	0.28	0.10	0.28	0.10
1983	6	0	0	16.76	0.00	0.00	0.00	0.00	0.00	0.00
1983	7	0	0	35.21	0.00	0.00	0.00	0.00	0.00	0.00
1983	8	0	0	5.38	0.00	0.00	0.00	0.00	0.00	0.00
1983	9	0	0	5.13	0.00	0.00	0.00	0.00	0.00	0.00
1983	10	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1983	11	0	0	20.29	0.00	0.00	0.00	0.00	0.00	0.00
1983	12	0	0	25.12	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
1984	1	0	0	43.83	0.00	0.00	0.00	0.00	0.00	0.00
1984	2	0	0	35.62	0.00	0.00	0.00	0.00	0.00	0.00
1984	3	0	0	19.06	0.00	0.00	0.00	0.00	0.00	0.00
1984	4	0	0	61.51	0.00	0.00	0.00	0.00	0.00	0.00
1984	5	0	0	157.79	0.00	0.00	0.00	0.00	0.00	0.00
1984	6	0	0	66.49	0.00	0.00	0.00	0.00	0.00	0.00
1984	7	0	0	3.23	0.00	0.00	0.00	0.00	0.00	0.00
1984	8	0	0	17.92	0.00	0.00	0.00	0.00	0.00	0.00
1984	9	0	0	26.74	0.00	0.00	0.00	0.00	0.00	0.00
1984	10	0	0	75.84	0.00	0.00	0.00	0.00	0.00	0.00
1984	11	0	0	62.89	0.00	0.00	0.00	0.00	0.00	0.00
1984	12	0	0	66.89	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	1	0	0	63.64	0.00	0.00	0.00	0.00	0.00	0.00
1985	2	0	0	81.19	0.00	0.00	0.00	0.00	0.00	0.00
1985	3	0	0	99.02	0.00	0.00	0.00	0.00	0.00	0.00
1985	4	0	0	36.48	0.00	0.00	0.00	0.00	0.00	0.00
1985	5	0	0	159.83	0.00	0.00	0.00	0.00	0.00	0.00
1985	6	0	0	133.50	0.00	0.00	5.32	3.98	5.32	3.98
1985	7	0	0	8.69	0.00	0.00	0.00	0.00	0.00	0.00
1985	8	0	0	5.06	0.00	0.00	0.00	0.00	0.00	0.00
1985	9	0	0	0.20	0.00	0.00	0.00	0.00	0.00	0.00
1985	10	8	0	12.79	0.00	0.00	0.00	0.00	0.00	0.00
1985	11	14	5	44.06	6.35	14.40	0.01	0.03	6.36	14.43
1985	12	0	0	20.57	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	1	0	0	24.95	0.00	0.00	0.00	0.00	0.00	0.00
1986	2	0	0	56.20	0.00	0.00	0.00	0.00	0.00	0.00
1986	3	0	0	21.49	0.00	0.00	0.00	0.00	0.00	0.00
1986	4	0	0	170.47	0.00	0.00	0.00	0.00	0.00	0.00
1986	5	0	0	174.86	0.00	0.00	0.00	0.00	0.00	0.00
1986	6	0	0	24.90	0.00	0.00	0.00	0.00	0.00	0.00
1986	7	0	0	11.41	0.00	0.00	0.00	0.00	0.00	0.00
1986	8	0	0	0.50	0.00	0.00	0.00	0.00	0.00	0.00
1986	9	0	0	13.00	0.00	0.00	0.00	0.00	0.00	0.00
1986	10	0	0	37.46	0.00	0.00	0.00	0.00	0.00	0.00
1986	11	0	0	38.90	0.00	0.00	0.00	0.00	0.00	0.00
1986	12	0	0	51.62	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
1987	1	0	0	19.32	0.00	0.00	0.00	0.00	0.00	0.00
1987	2	0	0	21.00	0.00	0.00	0.00	0.00	0.00	0.00
1987	3	0	0	18.63	0.00	0.00	0.00	0.00	0.00	0.00
1987	4	0	0	117.58	0.00	0.00	0.00	0.00	0.00	0.00
1987	5	0	0	172.32	0.00	0.00	0.00	0.00	0.00	0.00
1987	6	0	0	148.41	0.00	0.00	0.55	0.37	0.55	0.37
1987	7	0	0	28.86	0.00	0.00	0.00	0.00	0.00	0.00
1987	8	0	0	55.89	0.00	0.00	0.00	0.00	0.00	0.00
1987	9	0	0	16.96	0.00	0.00	0.00	0.00	0.00	0.00
1987	10	31	6	28.06	6.01	21.43	0.02	0.06	6.03	21.49
1987	11	1	0	1.70	0.00	0.00	0.00	0.00	0.00	0.00
1987	12	0	0	47.87	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	1	0	0	13.34	0.00	0.00	0.00	0.00	0.00	0.00
1988	2	0	0	18.51	0.00	0.00	0.00	0.00	0.00	0.00
1988	3	0	0	27.10	0.00	0.00	0.00	0.00	0.00	0.00
1988	4	0	0	154.39	0.00	0.00	0.00	0.00	0.00	0.00
1988	5	0	0	140.40	0.00	0.00	0.00	0.00	0.00	0.00
1988	6	0	0	52.34	0.00	0.00	0.00	0.00	0.00	0.00
1988	7	0	0	5.74	0.00	0.00	0.00	0.00	0.00	0.00
1988	8	0	0	1.16	0.00	0.00	0.00	0.00	0.00	0.00
1988	9	0	0	48.72	0.00	0.00	0.00	0.00	0.00	0.00
1988	10	0	0	135.91	0.00	0.00	0.00	0.00	0.00	0.00
1988	11	0	0	38.84	0.00	0.00	0.00	0.00	0.00	0.00
1988	12	0	0	63.82	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	1	0	0	79.43	0.00	0.00	0.00	0.00	0.00	0.00
1989	2	0	0	96.63	0.00	0.00	0.00	0.00	0.00	0.00
1989	3	0	0	72.04	0.00	0.00	0.00	0.00	0.00	0.00
1989	4	0	0	69.60	0.00	0.00	0.00	0.00	0.00	0.00
1989	5	0	0	179.56	0.00	0.00	0.00	0.00	0.00	0.00
1989	6	0	0	149.87	0.00	0.00	6.05	4.04	6.05	4.04
1989	7	0	0	39.58	0.00	0.00	0.00	0.00	0.00	0.00
1989	8	0	0	8.67	0.00	0.00	0.00	0.00	0.00	0.00
1989	9	0	0	2.71	0.00	0.00	0.00	0.00	0.00	0.00
1989	10	31	5	18.50	2.75	14.89	0.01	0.04	2.76	14.94
1989	11	30	28	102.75	47.75	46.47	0.07	0.07	47.82	46.54
1989	12	31	8	41.32	4.97	12.02	0.01	0.02	4.97	12.04

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1990	1	31	16	70.99	23.06	32.49	0.04	0.05	23.10	32.54
1990	2	28	14	34.52	15.28	44.26	0.02	0.05	15.30	44.31
1990	3	31	25	107.34	59.51	55.44	0.06	0.05	59.56	55.49
1990	4	30	22	141.54	40.78	28.81	0.06	0.04	40.84	28.85
1990	5	31	25	122.25	66.99	54.79	0.05	0.04	67.04	54.84
1990	6	30	23	82.88	53.69	64.77	0.01	0.02	53.70	64.79
1990	7	17	7	8.83	0.41	4.63	0.00	0.00	0.41	4.63
1990	8	0	0	6.52	0.00	0.00	0.00	0.00	0.00	0.00
1990	9	0	0	29.17	0.00	0.00	0.00	0.00	0.00	0.00
1990	10	31	6	27.55	5.14	18.67	0.01	0.04	5.16	18.71
1990	11	30	24	104.27	38.54	36.96	0.06	0.06	38.60	37.02
1990	12	31	26	113.20	39.35	34.76	0.13	0.11	39.48	34.87

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1991	1	31	6	28.12	8.25	29.32	0.01	0.05	8.26	29.37
1991	2	28	21	59.13	25.28	42.75	0.05	0.09	25.34	42.85
1991	3	31	17	81.00	43.61	53.84	0.05	0.06	43.66	53.90
1991	4	1	0	12.96	0.00	0.00	0.00	0.00	0.00	0.00
1991	5	0	0	86.59	0.00	0.00	0.17	0.19	0.17	0.19
1991	6	0	0	21.95	0.00	0.00	0.00	0.00	0.00	0.00
1991	7	0	0	0.02	0.00	0.00	0.00	0.00	0.00	0.00
1991	8	0	0	6.36	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	0	0	2.40	0.00	0.00	0.00	0.00	0.00	0.00
1991	10	0	0	7.63	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	0	0	31.43	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	0	0	32.92	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
1992	1	0	0	20.56	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	0	0	21.44	0.00	0.00	0.00	0.00	0.00	0.00
1992	3	0	0	34.34	0.00	0.00	0.00	0.00	0.00	0.00
1992	4	0	0	16.59	0.00	0.00	0.00	0.00	0.00	0.00
1992	5	0	0	237.95	0.00	0.00	0.05	0.02	0.05	0.02
1992	6	0	0	18.54	0.00	0.00	0.00	0.00	0.00	0.00
1992	7	0	0	37.60	0.00	0.00	0.00	0.00	0.00	0.00
1992	8	0	0	7.98	0.00	0.00	0.00	0.00	0.00	0.00
1992	9	0	0	1.33	0.00	0.00	0.00	0.00	0.00	0.00
1992	10	0	0	53.98	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0	0	21.52	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	0	0	48.50	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
1993	1	0	0	0.42	0.00	0.00	0.00	0.00	0.00	0.00
1993	2	0	0	14.31	0.00	0.00	0.00	0.00	0.00	0.00
1993	3	0	0	17.45	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0	0	55.74	0.00	0.00	0.00	0.00	0.00	0.00
1993	5	0	0	224.15	0.00	0.00	0.25	0.11	0.25	0.11
1993	6	0	0	74.57	0.00	0.00	0.19	0.26	0.19	0.26
1993	7	0	0	75.87	0.00	0.00	0.00	0.00	0.00	0.00
1993	8	0	0	68.72	0.00	0.00	0.00	0.00	0.00	0.00
1993	9	0	0	3.33	0.00	0.00	0.00	0.00	0.00	0.00
1993	10	0	0	5.21	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	0	0	45.33	0.00	0.00	0.00	0.00	0.00	0.00
1993	12	0	0	45.55	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	1	0	0	10.83	0.00	0.00	0.00	0.00	0.00	0.00
1994	2	0	0	11.34	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0	0	44.65	0.00	0.00	0.00	0.00	0.00	0.00
1994	4	0	0	65.35	0.00	0.00	0.00	0.00	0.00	0.00
1994	5	0	0	130.88	0.00	0.00	0.00	0.00	0.00	0.00
1994	6	0	0	8.12	0.00	0.00	0.00	0.00	0.00	0.00
1994	7	0	0	29.14	0.00	0.00	0.00	0.00	0.00	0.00
1994	8	0	0	0.10	0.00	0.00	0.00	0.00	0.00	0.00
1994	9	0	0	0.04	0.00	0.00	0.00	0.00	0.00	0.00
1994	10	0	0	4.82	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	0	0	4.69	0.00	0.00	0.00	0.00	0.00	0.00
1994	12	0	0	1.35	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	1	0	0	6.60	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	0	0	3.73	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	0	0	43.92	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0	0	87.17	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0	0	99.98	0.00	0.00	0.00	0.00	0.00	0.00
1995	6	0	0	29.66	0.00	0.00	0.00	0.00	0.00	0.00
1995	7	0	0	20.91	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	0	0	9.79	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	0	0	4.71	0.00	0.00	0.00	0.00	0.00	0.00
1995	10	0	0	6.89	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	0	0	54.12	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	0	0	39.31	0.00	0.00	0.00	0.00	0.00	0.00

Annual Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − 2005R (LEC2020)

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

Year	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1965	1	0	718.19	0.00	0.00	2.46	0.34	2.46	0.34
1966	0	0	386.78	0.00	0.00	0.00	0.00	0.00	0.00
1967	0	0	860.17	0.00	0.00	2.00	0.23	2.00	0.23
1968	63	44	585.45	110.82	18.93	0.15	0.02	110.96	18.95
1969	0	0	273.13	0.00	0.00	0.00	0.00	0.00	0.00
1970	0	0	605.18	0.00	0.00	0.00	0.00	0.00	0.00
1971	71	21	835.80	46.28	5.54	0.01	0.00	46.29	5.54
1972	158	84	605.54	181.82	30.03	1.11	0.18	182.93	30.21
1973	219	130	610.06	250.00	40.98	0.21	0.03	250.21	41.01
1974	158	147	883.04	462.76	52.41	0.10	0.01	462.87	52.42
1975	0	0	644.83	0.00	0.00	0.00	0.00	0.00	0.00
1976	38	17	637.82	30.70	4.81	0.11	0.02	30.81	4.83
1977	77	35	675.46	67.07	9.93	0.03	0.00	67.10	9.93
1978	0	0	360.68	0.00	0.00	0.00	0.00	0.00	0.00
1979	0	0	592.74	0.00	0.00	6.76	1.14	6.76	1.14
1980	0	0	620.63	0.00	0.00	0.48	0.08	0.48	0.08
1981	256	205	1298.11	647.03	49.84	0.21	0.02	647.24	49.86
1982	170	153	630.04	286.77	45.52	0.08	0.01	286.85	45.53
1983	0	0	443.77	0.00	0.00	0.28	0.06	0.28	0.06
1984	0	0	637.81	0.00	0.00	0.00	0.00	0.00	0.00
1985	22	5	665.03	6.35	0.95	5.33	0.80	11.67	1.76
1986	0	0	625.75	0.00	0.00	0.00	0.00	0.00	0.00
1987	32	6	676.61	6.01	0.89	0.57	0.08	6.58	0.97
1988	0	0	700.28	0.00	0.00	0.00	0.00	0.00	0.00
1989	92	41	860.65	55.47	6.45	6.14	0.71	61.61	7.16
1990	290	188	849.06	342.74	40.37	0.44	0.05	343.18	40.42
1991	91	44	370.50	77.14	20.82	0.28	0.08	77.42	20.90
1992	0	0	520.32	0.00	0.00	0.05	0.01	0.05	0.01
1993	0	0	630.66	0.00	0.00	0.44	0.07	0.44	0.07
1994	0	0	311.32	0.00	0.00	0.00	0.00	0.00	0.00
1995	0	0	406.78	0.00	0.00	0.00	0.00	0.00	0.00

Monthly Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − 2010R (LEC2020)

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	1	0	0	44.15	0.00	0.00	0.00	0.00	0.00	0.00
1965	2	0	0	11.68	0.00	0.00	0.00	0.00	0.00	0.00
1965	3	0	0	27.72	0.00	0.00	0.00	0.00	0.00	0.00
1965	4	0	0	73.32	0.00	0.00	0.00	0.00	0.00	0.00
1965	5	0	0	238.25	0.00	0.00	0.35	0.15	0.35	0.15
1965	6	0	0	52.53	0.00	0.00	0.63	1.19	0.63	1.19
1965	7	0	0	4.27	0.00	0.00	0.00	0.00	0.00	0.00
1965	8	0	0	0.18	0.00	0.00	0.00	0.00	0.00	0.00
1965	9	0	0	0.19	0.00	0.00	0.00	0.00	0.00	0.00
1965	10	7	0	0.17	0.00	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	17.87	0.00	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	11.41	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	1	0	0	0.06	0.00	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	5.70	0.00	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	31.95	0.00	0.00	0.00	0.00	0.00	0.00
1966	4	0	0	24.46	0.00	0.00	0.00	0.00	0.00	0.00
1966	5	0	0	32.62	0.00	0.00	0.00	0.00	0.00	0.00
1966	6	0	0	0.89	0.00	0.00	0.00	0.00	0.00	0.00
1966	7	0	0	0.14	0.00	0.00	0.00	0.00	0.00	0.00
1966	8	0	0	0.06	0.00	0.00	0.00	0.00	0.00	0.00
1966	9	0	0	0.33	0.00	0.00	0.00	0.00	0.00	0.00
1966	10	0	0	1.68	0.00	0.00	0.00	0.00	0.00	0.00
1966	11	0	0	35.02	0.00	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	25.59	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	1	0	0	22.47	0.00	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	12.22	0.00	0.00	0.00	0.00	0.00	0.00
1967	3	0	0	47.42	0.00	0.00	0.00	0.00	0.00	0.00
1967	4	0	0	194.51	0.00	0.00	0.00	0.00	0.00	0.00
1967	5	0	0	262.06	0.00	0.00	0.89	0.34	0.89	0.34
1967	6	0	0	9.50	0.00	0.00	0.00	0.00	0.00	0.00
1967	7	0	0	1.68	0.00	0.00	0.00	0.00	0.00	0.00
1967	8	0	0	2.31	0.00	0.00	0.00	0.00	0.00	0.00
1967	9	0	0	14.89	0.00	0.00	0.00	0.00	0.00	0.00
1967	10	10	0	1.89	0.00	0.00	0.00	0.00	0.00	0.00
1967	11	0	0	40.00	0.00	0.00	0.00	0.00	0.00	0.00
1967	12	0	0	19.92	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
1968	1	0	0	30.78	0.00	0.00	0.00	0.00	0.00	0.00
1968	2	0	0	16.86	0.00	0.00	0.00	0.00	0.00	0.00
1968	3	0	0	50.76	0.00	0.00	0.00	0.00	0.00	0.00
1968	4	24	16	147.87	27.31	18.47	0.07	0.05	27.38	18.52
1968	5	28	7	38.77	17.06	43.99	0.01	0.02	17.06	44.01
1968	6	0	0	0.12	0.00	0.00	0.00	0.00	0.00	0.00
1968	7	0	0	5.01	0.00	0.00	0.00	0.00	0.00	0.00
1968	8	0	0	3.31	0.00	0.00	0.00	0.00	0.00	0.00
1968	9	0	0	4.31	0.00	0.00	0.00	0.00	0.00	0.00
1968	10	0	0	1.94	0.00	0.00	0.00	0.00	0.00	0.00
1968	11	0	0	7.05	0.00	0.00	0.00	0.00	0.00	0.00
1968	12	0	0	32.82	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	1	0	0	14.28	0.00	0.00	0.00	0.00	0.00	0.00
1969	2	0	0	19.31	0.00	0.00	0.00	0.00	0.00	0.00
1969	3	0	0	6.42	0.00	0.00	0.00	0.00	0.00	0.00
1969	4	0	0	46.62	0.00	0.00	0.00	0.00	0.00	0.00
1969	5	0	0	15.20	0.00	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	7.99	0.00	0.00	0.00	0.00	0.00	0.00
1969	7	0	0	4.90	0.00	0.00	0.00	0.00	0.00	0.00
1969	8	0	0	1.19	0.00	0.00	0.00	0.00	0.00	0.00
1969	9	0	0	0.43	0.00	0.00	0.00	0.00	0.00	0.00
1969	10	0	0	2.28	0.00	0.00	0.00	0.00	0.00	0.00
1969	11	0	0	2.60	0.00	0.00	0.00	0.00	0.00	0.00
1969	12	0	0	4.00	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
1970	1	0	0	2.60	0.00	0.00	0.00	0.00	0.00	0.00
1970	2	0	0	7.80	0.00	0.00	0.00	0.00	0.00	0.00
1970	3	0	0	9.94	0.00	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	33.44	0.00	0.00	0.00	0.00	0.00	0.00
1970	5	0	0	81.99	0.00	0.00	0.00	0.00	0.00	0.00
1970	6	0	0	3.76	0.00	0.00	0.00	0.00	0.00	0.00
1970	7	0	0	2.33	0.00	0.00	0.00	0.00	0.00	0.00
1970	8	0	0	2.38	0.00	0.00	0.00	0.00	0.00	0.00
1970	9	0	0	2.91	0.00	0.00	0.00	0.00	0.00	0.00
1970	10	0	0	3.32	0.00	0.00	0.00	0.00	0.00	0.00
1970	11	0	0	37.55	0.00	0.00	0.00	0.00	0.00	0.00
1970	12	0	0	42.50	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
1971	1	0	0	50.05	0.00	0.00	0.00	0.00	0.00	0.00
1971	2	0	0	46.10	0.00	0.00	0.00	0.00	0.00	0.00
1971	3	0	0	137.58	0.00	0.00	0.00	0.00	0.00	0.00
1971	4	0	0	216.50	0.00	0.00	0.00	0.00	0.00	0.00
1971	5	19	9	143.40	21.06	14.69	0.05	0.03	21.11	14.72
1971	6	30	7	34.18	21.67	63.40	0.00	0.01	21.67	63.41
1971	7	23	0	0.59	0.00	0.00	0.00	0.00	0.00	0.00
1971	8	0	0	0.98	0.00	0.00	0.00	0.00	0.00	0.00
1971	9	0	0	3.24	0.00	0.00	0.00	0.00	0.00	0.00
1971	10	31	3	10.05	2.53	25.20	0.00	0.00	2.53	25.21
1971	11	0	0	18.52	0.00	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	23.46	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
1972	1	0	0	26.50	0.00	0.00	0.00	0.00	0.00	0.00
1972	2	0	0	16.44	0.00	0.00	0.00	0.00	0.00	0.00
1972	3	12	5	60.11	13.50	22.45	0.01	0.02	13.51	22.47
1972	4	7	0	47.63	0.00	0.00	0.00	0.00	0.00	0.00
1972	5	0	0	27.56	0.00	0.00	0.00	0.00	0.00	0.00
1972	6	0	0	10.31	0.00	0.00	0.00	0.00	0.00	0.00
1972	7	0	0	12.17	0.00	0.00	0.00	0.00	0.00	0.00
1972	8	0	0	11.76	0.00	0.00	0.00	0.00	0.00	0.00
1972	9	0	0	19.36	0.00	0.00	0.00	0.00	0.00	0.00
1972	10	31	21	39.99	19.32	48.31	0.00	0.01	19.32	48.32
1972	11	30	8	18.46	6.72	36.40	0.00	0.00	6.72	36.41
1972	12	31	0	11.42	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	1	31	0	7.31	0.00	0.00	0.00	0.00	0.00	0.00
1973	2	28	12	1.44	0.72	49.91	0.00	0.02	0.72	49.92
1973	3	31	20	30.08	18.50	61.52	0.00	0.00	18.50	61.52
1973	4	30	3	47.27	3.53	7.47	0.00	0.00	3.53	7.47
1973	5	31	30	109.80	67.77	61.72	0.00	0.00	67.77	61.72
1973	6	30	12	21.19	12.62	59.56	0.00	0.00	12.62	59.56
1973	7	23	2	0.09	0.03	30.59	0.00	0.00	0.03	30.59
1973	8	0	0	0.04	0.00	0.00	0.00	0.00	0.00	0.00
1973	9	0	0	0.05	0.00	0.00	0.00	0.00	0.00	0.00
1973	10	14	0	4.60	0.00	0.00	0.00	0.00	0.00	0.00
1973	11	0	0	39.31	0.00	0.00	0.00	0.00	0.00	0.00
1973	12	0	0	18.65	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	1	0	0	33.93	0.00	0.00	0.00	0.00	0.00	0.00
1974	2	23	13	43.44	14.38	33.12	0.01	0.02	14.39	33.13
1974	3	31	30	152.79	92.64	60.63	0.04	0.02	92.67	60.65
1974	4	30	30	185.39	123.93	66.84	0.01	0.00	123.93	66.85
1974	5	31	31	215.34	144.28	67.00	0.00	0.00	144.28	67.00
1974	6	30	28	23.49	15.74	67.00	0.00	0.00	15.74	67.00
1974	7	5	0	0.02	0.00	0.00	0.00	0.00	0.00	0.00
1974	8	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1974	9	0	0	0.17	0.00	0.00	0.00	0.00	0.00	0.00
1974	10	0	0	11.88	0.00	0.00	0.00	0.00	0.00	0.00
1974	11	0	0	22.20	0.00	0.00	0.00	0.00	0.00	0.00
1974	12	0	0	2.02	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
1975	1	0	0	33.52	0.00	0.00	0.00	0.00	0.00	0.00
1975	2	0	0	39.70	0.00	0.00	0.00	0.00	0.00	0.00
1975	3	0	0	99.96	0.00	0.00	0.00	0.00	0.00	0.00
1975	4	0	0	142.90	0.00	0.00	0.00	0.00	0.00	0.00
1975	5	0	0	69.53	0.00	0.00	0.00	0.00	0.00	0.00
1975	6	0	0	7.95	0.00	0.00	0.00	0.00	0.00	0.00
1975	7	0	0	0.83	0.00	0.00	0.00	0.00	0.00	0.00
1975	8	0	0	2.82	0.00	0.00	0.00	0.00	0.00	0.00
1975	9	0	0	1.01	0.00	0.00	0.00	0.00	0.00	0.00
1975	10	31	0	2.28	0.00	0.00	0.00	0.00	0.00	0.00
1975	11	7	0	27.02	0.00	0.00	0.00	0.00	0.00	0.00
1975	12	0	0	35.81	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	1	0	0	46.93	0.00	0.00	0.00	0.00	0.00	0.00
1976	2	18	12	57.82	25.55	44.18	0.01	0.02	25.56	44.21
1976	3	16	11	71.92	22.42	31.18	0.03	0.04	22.45	31.21
1976	4	30	20	151.80	69.43	45.74	0.07	0.05	69.50	45.78
1976	5	29	13	55.50	31.51	56.78	0.00	0.00	31.51	56.78
1976	6	0	0	6.66	0.00	0.00	0.00	0.00	0.00	0.00
1976	7	0	0	7.27	0.00	0.00	0.00	0.00	0.00	0.00
1976	8	0	0	0.87	0.00	0.00	0.00	0.00	0.00	0.00
1976	9	0	0	0.06	0.00	0.00	0.00	0.00	0.00	0.00
1976	10	31	3	23.39	0.40	1.70	0.00	0.00	0.40	1.70
1976	11	19	0	19.20	0.00	0.00	0.00	0.00	0.00	0.00
1976	12	0	0	21.04	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	1	0	0	1.21	0.00	0.00	0.00	0.00	0.00	0.00
1977	2	0	0	24.59	0.00	0.00	0.00	0.00	0.00	0.00
1977	3	0	0	53.03	0.00	0.00	0.00	0.00	0.00	0.00
1977	4	0	0	153.26	0.00	0.00	0.00	0.00	0.00	0.00
1977	5	0	0	70.15	0.00	0.00	0.00	0.00	0.00	0.00
1977	6	0	0	50.50	0.00	0.00	0.00	0.00	0.00	0.00
1977	7	0	0	10.23	0.00	0.00	0.00	0.00	0.00	0.00
1977	8	0	0	1.13	0.00	0.00	0.00	0.00	0.00	0.00
1977	9	0	0	0.07	0.00	0.00	0.00	0.00	0.00	0.00
1977	10	31	13	29.92	12.44	41.58	0.00	0.01	12.44	41.58
1977	11	30	2	17.75	0.37	2.06	0.00	0.00	0.37	2.07
1977	12	10	0	0.01	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
1978	1	0	0	5.33	0.00	0.00	0.00	0.00	0.00	0.00
1978	2	0	0	6.82	0.00	0.00	0.00	0.00	0.00	0.00
1978	3	0	0	25.05	0.00	0.00	0.00	0.00	0.00	0.00
1978	4	0	0	47.82	0.00	0.00	0.00	0.00	0.00	0.00
1978	5	0	0	24.61	0.00	0.00	0.00	0.00	0.00	0.00
1978	6	0	0	15.33	0.00	0.00	0.00	0.00	0.00	0.00
1978	7	0	0	0.53	0.00	0.00	0.00	0.00	0.00	0.00
1978	8	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1978	9	0	0	0.65	0.00	0.00	0.00	0.00	0.00	0.00
1978	10	0	0	2.88	0.00	0.00	0.00	0.00	0.00	0.00
1978	11	0	0	16.24	0.00	0.00	0.00	0.00	0.00	0.00
1978	12	0	0	11.74	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
1979	1	0	0	0.03	0.00	0.00	0.00	0.00	0.00	0.00
1979	2	0	0	19.72	0.00	0.00	0.00	0.00	0.00	0.00
1979	3	0	0	37.17	0.00	0.00	0.00	0.00	0.00	0.00
1979	4	0	0	69.37	0.00	0.00	0.00	0.00	0.00	0.00
1979	5	0	0	3.79	0.00	0.00	0.00	0.00	0.00	0.00
1979	6	0	0	159.81	0.00	0.00	1.96	1.23	1.96	1.23
1979	7	0	0	29.45	0.00	0.00	0.00	0.00	0.00	0.00
1979	8	0	0	3.15	0.00	0.00	0.00	0.00	0.00	0.00
1979	9	0	0	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1979	10	0	0	4.39	0.00	0.00	0.00	0.00	0.00	0.00
1979	11	0	0	2.65	0.00	0.00	0.00	0.00	0.00	0.00
1979	12	0	0	7.80	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
1980	1	0	0	17.35	0.00	0.00	0.00	0.00	0.00	0.00
1980	2	0	0	3.33	0.00	0.00	0.00	0.00	0.00	0.00
1980	3	0	0	33.69	0.00	0.00	0.00	0.00	0.00	0.00
1980	4	0	0	9.76	0.00	0.00	0.00	0.00	0.00	0.00
1980	5	0	0	63.26	0.00	0.00	0.00	0.00	0.00	0.00
1980	6	0	0	75.90	0.00	0.00	0.00	0.00	0.00	0.00
1980	7	0	0	3.64	0.00	0.00	0.00	0.00	0.00	0.00
1980	8	0	0	2.82	0.00	0.00	0.00	0.00	0.00	0.00
1980	9	0	0	1.13	0.00	0.00	0.00	0.00	0.00	0.00
1980	10	0	0	31.69	0.00	0.00	0.00	0.00	0.00	0.00
1980	11	0	0	16.99	0.00	0.00	0.00	0.00	0.00	0.00
1980	12	0	0	14.30	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
1981	1	0	0	27.87	0.00	0.00	0.00	0.00	0.00	0.00
1981	2	0	0	18.54	0.00	0.00	0.00	0.00	0.00	0.00
1981	3	0	0	53.67	0.00	0.00	0.00	0.00	0.00	0.00
1981	4	8	7	192.69	15.03	7.80	0.05	0.03	15.08	7.83
1981	5	31	31	264.32	166.98	63.17	0.06	0.02	167.05	63.20
1981	6	30	30	166.57	111.60	67.00	0.00	0.00	111.60	67.00
1981	7	31	31	123.06	82.45	67.00	0.00	0.00	82.45	67.00
1981	8	31	15	3.87	2.59	67.00	0.00	0.00	2.59	67.00
1981	9	30	0	1.40	0.00	0.00	0.00	0.00	0.00	0.00
1981	10	31	24	47.13	25.31	53.70	0.00	0.00	25.31	53.70
1981	11	30	1	18.72	0.60	3.20	0.00	0.00	0.60	3.20
1981	12	31	9	51.76	11.48	22.19	0.00	0.00	11.49	22.19

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1982	1	31	8	48.21	12.77	26.48	0.00	0.01	12.77	26.49
1982	2	28	28	26.15	17.52	67.00	0.00	0.00	17.52	67.00
1982	3	31	28	36.13	24.20	67.00	0.00	0.00	24.20	67.00
1982	4	30	30	21.08	14.12	67.00	0.00	0.00	14.12	67.00
1982	5	31	27	136.54	91.48	67.00	0.00	0.00	91.48	67.00
1982	6	22	11	4.97	3.16	63.69	0.00	0.00	3.16	63.69
1982	7	0	0	2.89	0.00	0.00	0.00	0.00	0.00	0.00
1982	8	0	0	1.03	0.00	0.00	0.00	0.00	0.00	0.00
1982	9	0	0	2.45	0.00	0.00	0.00	0.00	0.00	0.00
1982	10	0	0	4.06	0.00	0.00	0.00	0.00	0.00	0.00
1982	11	0	0	21.34	0.00	0.00	0.00	0.00	0.00	0.00
1982	12	0	0	27.95	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
1983	1	0	0	6.95	0.00	0.00	0.00	0.00	0.00	0.00
1983	2	0	0	0.52	0.00	0.00	0.00	0.00	0.00	0.00
1983	3	0	0	0.27	0.00	0.00	0.00	0.00	0.00	0.00
1983	4	0	0	17.65	0.00	0.00	0.00	0.00	0.00	0.00
1983	5	0	0	113.31	0.00	0.00	0.14	0.12	0.14	0.12
1983	6	0	0	5.43	0.00	0.00	0.00	0.00	0.00	0.00
1983	7	0	0	7.82	0.00	0.00	0.00	0.00	0.00	0.00
1983	8	0	0	1.69	0.00	0.00	0.00	0.00	0.00	0.00
1983	9	0	0	1.53	0.00	0.00	0.00	0.00	0.00	0.00
1983	10	0	0	0.88	0.00	0.00	0.00	0.00	0.00	0.00
1983	11	0	0	5.50	0.00	0.00	0.00	0.00	0.00	0.00
1983	12	0	0	8.09	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	1	0	0	16.70	0.00	0.00	0.00	0.00	0.00	0.00
1984	2	0	0	16.56	0.00	0.00	0.00	0.00	0.00	0.00
1984	3	0	0	5.00	0.00	0.00	0.00	0.00	0.00	0.00
1984	4	0	0	24.91	0.00	0.00	0.00	0.00	0.00	0.00
1984	5	0	0	46.01	0.00	0.00	0.00	0.00	0.00	0.00
1984	6	0	0	20.07	0.00	0.00	0.00	0.00	0.00	0.00
1984	7	0	0	0.62	0.00	0.00	0.00	0.00	0.00	0.00
1984	8	0	0	3.64	0.00	0.00	0.00	0.00	0.00	0.00
1984	9	0	0	6.74	0.00	0.00	0.00	0.00	0.00	0.00
1984	10	0	0	29.79	0.00	0.00	0.00	0.00	0.00	0.00
1984	11	0	0	23.24	0.00	0.00	0.00	0.00	0.00	0.00
1984	12	0	0	27.28	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
1985	1	0	0	38.75	0.00	0.00	0.00	0.00	0.00	0.00
1985	2	0	0	70.56	0.00	0.00	0.00	0.00	0.00	0.00
1985	3	0	0	95.16	0.00	0.00	0.00	0.00	0.00	0.00
1985	4	0	0	30.23	0.00	0.00	0.00	0.00	0.00	0.00
1985	5	0	0	136.48	0.00	0.00	0.00	0.00	0.00	0.00
1985	6	0	0	122.42	0.00	0.00	1.65	1.35	1.65	1.35
1985	7	0	0	4.91	0.00	0.00	0.00	0.00	0.00	0.00
1985	8	0	0	1.47	0.00	0.00	0.00	0.00	0.00	0.00
1985	9	0	0	0.20	0.00	0.00	0.00	0.00	0.00	0.00
1985	10	31	0	6.85	0.00	0.00	0.00	0.00	0.00	0.00
1985	11	17	0	25.70	0.00	0.00	0.00	0.00	0.00	0.00
1985	12	0	0	9.49	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	1	0	0	9.77	0.00	0.00	0.00	0.00	0.00	0.00
1986	2	0	0	28.93	0.00	0.00	0.00	0.00	0.00	0.00
1986	3	0	0	9.43	0.00	0.00	0.00	0.00	0.00	0.00
1986	4	0	0	78.96	0.00	0.00	0.00	0.00	0.00	0.00
1986	5	0	0	125.34	0.00	0.00	0.00	0.00	0.00	0.00
1986	6	0	0	20.78	0.00	0.00	0.00	0.00	0.00	0.00
1986	7	0	0	6.54	0.00	0.00	0.00	0.00	0.00	0.00
1986	8	0	0	0.28	0.00	0.00	0.00	0.00	0.00	0.00
1986	9	0	0	3.60	0.00	0.00	0.00	0.00	0.00	0.00
1986	10	0	0	17.41	0.00	0.00	0.00	0.00	0.00	0.00
1986	11	0	0	18.26	0.00	0.00	0.00	0.00	0.00	0.00
1986	12	0	0	17.75	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
1987	1	0	0	3.29	0.00	0.00	0.00	0.00	0.00	0.00
1987	2	0	0	6.42	0.00	0.00	0.00	0.00	0.00	0.00
1987	3	0	0	6.84	0.00	0.00	0.00	0.00	0.00	0.00
1987	4	0	0	45.13	0.00	0.00	0.00	0.00	0.00	0.00
1987	5	0	0	104.85	0.00	0.00	0.00	0.00	0.00	0.00
1987	6	0	0	136.16	0.00	0.00	0.10	0.07	0.10	0.07
1987	7	0	0	13.77	0.00	0.00	0.00	0.00	0.00	0.00
1987	8	0	0	21.12	0.00	0.00	0.00	0.00	0.00	0.00
1987	9	0	0	7.47	0.00	0.00	0.00	0.00	0.00	0.00
1987	10	31	0	6.68	0.00	0.00	0.00	0.00	0.00	0.00
1987	11	0	0	0.15	0.00	0.00	0.00	0.00	0.00	0.00
1987	12	0	0	13.13	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
1988	1	0	0	4.02	0.00	0.00	0.00	0.00	0.00	0.00
1988	2	0	0	6.20	0.00	0.00	0.00	0.00	0.00	0.00
1988	3	0	0	8.30	0.00	0.00	0.00	0.00	0.00	0.00
1988	4	0	0	68.94	0.00	0.00	0.00	0.00	0.00	0.00
1988	5	0	0	122.36	0.00	0.00	0.00	0.00	0.00	0.00
1988	6	0	0	31.42	0.00	0.00	0.00	0.00	0.00	0.00
1988	7	0	0	1.97	0.00	0.00	0.00	0.00	0.00	0.00
1988	8	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1988	9	0	0	16.28	0.00	0.00	0.00	0.00	0.00	0.00
1988	10	0	0	56.61	0.00	0.00	0.00	0.00	0.00	0.00
1988	11	0	0	16.37	0.00	0.00	0.00	0.00	0.00	0.00
1988	12	0	0	49.81	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	1	0	0	74.13	0.00	0.00	0.00	0.00	0.00	0.00
1989	2	0	0	92.86	0.00	0.00	0.00	0.00	0.00	0.00
1989	3	0	0	66.96	0.00	0.00	0.00	0.00	0.00	0.00
1989	4	0	0	67.47	0.00	0.00	0.00	0.00	0.00	0.00
1989	5	0	0	166.91	0.00	0.00	0.00	0.00	0.00	0.00
1989	6	0	0	138.57	0.00	0.00	2.77	2.00	2.77	2.00
1989	7	0	0	21.84	0.00	0.00	0.00	0.00	0.00	0.00
1989	8	0	0	3.16	0.00	0.00	0.00	0.00	0.00	0.00
1989	9	0	0	1.34	0.00	0.00	0.00	0.00	0.00	0.00
1989	10	31	0	4.79	0.00	0.00	0.00	0.00	0.00	0.00
1989	11	30	3	38.15	2.72	7.12	0.00	0.00	2.72	7.12
1989	12	31	0	10.44	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	1	31	1	34.45	0.63	1.82	0.00	0.00	0.63	1.82
1990	2	28	6	14.25	1.74	12.19	0.00	0.00	1.74	12.19
1990	3	31	14	60.19	11.24	18.68	0.02	0.03	11.26	18.71
1990	4	30	14	105.73	25.60	24.22	0.06	0.06	25.67	24.28
1990	5	31	24	95.40	52.69	55.24	0.01	0.01	52.71	55.25
1990	6	30	14	49.02	32.25	65.78	0.00	0.00	32.25	65.78
1990	7	25	8	2.14	0.11	5.02	0.00	0.00	0.11	5.02
1990	8	0	0	2.36	0.00	0.00	0.00	0.00	0.00	0.00
1990	9	0	0	18.30	0.00	0.00	0.00	0.00	0.00	0.00
1990	10	31	0	10.64	0.00	0.00	0.00	0.00	0.00	0.00
1990	11	30	3	37.49	2.95	7.87	0.00	0.00	2.95	7.87
1990	12	31	1	48.52	1.52	3.14	0.00	0.00	1.52	3.14

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1991	1	19	1	11.25	0.14	1.28	0.00	0.00	0.14	1.28
1991	2	8	0	30.02	0.00	0.00	0.00	0.00	0.00	0.00
1991	3	0	0	32.29	0.00	0.00	0.00	0.00	0.00	0.00
1991	4	0	0	6.86	0.00	0.00	0.00	0.00	0.00	0.00
1991	5	0	0	37.91	0.00	0.00	0.00	0.00	0.00	0.00
1991	6	0	0	5.21	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	0.96	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	0	0	1.96	0.00	0.00	0.00	0.00	0.00	0.00
1991	10	0	0	3.02	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	0	0	10.38	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	0	0	21.01	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
1992	1	0	0	6.71	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	0	0	5.82	0.00	0.00	0.00	0.00	0.00	0.00
1992	3	0	0	11.86	0.00	0.00	0.00	0.00	0.00	0.00
1992	4	0	0	12.26	0.00	0.00	0.00	0.00	0.00	0.00
1992	5	0	0	94.04	0.00	0.00	0.00	0.00	0.00	0.00
1992	6	0	0	10.71	0.00	0.00	0.00	0.00	0.00	0.00
1992	7	0	0	6.56	0.00	0.00	0.00	0.00	0.00	0.00
1992	8	0	0	1.41	0.00	0.00	0.00	0.00	0.00	0.00
1992	9	0	0	1.33	0.00	0.00	0.00	0.00	0.00	0.00
1992	10	0	0	18.73	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0	0	11.86	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	0	0	19.10	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	1	0	0	0.07	0.00	0.00	0.00	0.00	0.00	0.00
1993	2	0	0	5.19	0.00	0.00	0.00	0.00	0.00	0.00
1993	3	0	0	7.54	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0	0	29.43	0.00	0.00	0.00	0.00	0.00	0.00
1993	5	0	0	87.97	0.00	0.00	0.09	0.10	0.09	0.10
1993	6	0	0	37.66	0.00	0.00	0.00	0.00	0.00	0.00
1993	7	0	0	26.09	0.00	0.00	0.00	0.00	0.00	0.00
1993	8	0	0	46.05	0.00	0.00	0.00	0.00	0.00	0.00
1993	9	0	0	1.64	0.00	0.00	0.00	0.00	0.00	0.00
1993	10	0	0	1.01	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	0	0	14.53	0.00	0.00	0.00	0.00	0.00	0.00
1993	12	0	0	18.42	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	1	0	0	7.36	0.00	0.00	0.00	0.00	0.00	0.00
1994	2	0	0	3.03	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0	0	15.08	0.00	0.00	0.00	0.00	0.00	0.00
1994	4	0	0	31.38	0.00	0.00	0.00	0.00	0.00	0.00
1994	5	0	0	64.64	0.00	0.00	0.00	0.00	0.00	0.00
1994	6	0	0	2.03	0.00	0.00	0.00	0.00	0.00	0.00
1994	7	0	0	5.58	0.00	0.00	0.00	0.00	0.00	0.00
1994	8	0	0	0.03	0.00	0.00	0.00	0.00	0.00	0.00
1994	9	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	10	0	0	1.71	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	0	0	2.45	0.00	0.00	0.00	0.00	0.00	0.00
1994	12	0	0	1.40	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
1995	1	0	0	1.29	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	0	0	0.34	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	0	0	19.31	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0	0	25.48	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0	0	40.58	0.00	0.00	0.00	0.00	0.00	0.00
1995	6	0	0	15.57	0.00	0.00	0.00	0.00	0.00	0.00
1995	7	0	0	14.08	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	0	0	7.98	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	0	0	1.56	0.00	0.00	0.00	0.00	0.00	0.00
1995	10	0	0	4.78	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	0	0	11.83	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	0	0	11.18	0.00	0.00	0.00	0.00	0.00	0.00

Annual Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − 2010R (LEC2020)

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

Year	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1965	7	0	481.74	0.00	0.00	0.98	0.20	0.98	0.20
1966	0	0	158.50	0.00	0.00	0.00	0.00	0.00	0.00
1967	10	0	628.86	0.00	0.00	0.89	0.14	0.89	0.14
1968	52	23	339.61	44.37	13.06	0.08	0.02	44.45	13.09
1969	0	0	125.22	0.00	0.00	0.00	0.00	0.00	0.00
1970	0	0	230.51	0.00	0.00	0.00	0.00	0.00	0.00
1971	103	19	684.65	45.26	6.61	0.05	0.01	45.32	6.62
1972	111	34	301.71	39.54	13.10	0.01	0.00	39.55	13.11
1973	218	79	279.83	103.16	36.87	0.00	0.00	103.17	36.87
1974	150	132	690.67	390.96	56.61	0.05	0.01	391.01	56.61
1975	38	0	463.32	0.00	0.00	0.00	0.00	0.00	0.00
1976	143	59	462.47	149.32	32.29	0.11	0.02	149.43	32.31
1977	71	15	411.84	12.81	3.11	0.00	0.00	12.81	3.11
1978	0	0	158.07	0.00	0.00	0.00	0.00	0.00	0.00
1979	0	0	337.34	0.00	0.00	1.96	0.58	1.96	0.58
1980	0	0	273.85	0.00	0.00	0.00	0.00	0.00	0.00
1981	253	148	969.60	416.05	42.91	0.12	0.01	416.17	42.92
1982	173	132	332.79	163.25	49.06	0.00	0.00	163.26	49.06
1983	0	0	169.66	0.00	0.00	0.14	0.08	0.14	0.08
1984	0	0	220.59	0.00	0.00	0.00	0.00	0.00	0.00
1985	48	0	542.23	0.00	0.00	1.65	0.30	1.65	0.30
1986	0	0	337.06	0.00	0.00	0.00	0.00	0.00	0.00
1987	31	0	364.99	0.00	0.00	0.10	0.03	0.10	0.03
1988	0	0	383.35	0.00	0.00	0.00	0.00	0.00	0.00
1989	92	3	686.64	2.72	0.40	2.77	0.40	5.49	0.80
1990	298	85	478.50	128.74	26.90	0.09	0.02	128.83	26.92
1991	27	1	160.89	0.14	0.09	0.00	0.00	0.14	0.09
1992	0	0	200.39	0.00	0.00	0.00	0.00	0.00	0.00
1993	0	0	275.62	0.00	0.00	0.09	0.03	0.09	0.03
1994	0	0	134.68	0.00	0.00	0.00	0.00	0.00	0.00
1995	0	0	153.99	0.00	0.00	0.00	0.00	0.00	0.00

Monthly Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − 2015R (LEC2020)

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	1	0	0	44.09	0.00	0.00	0.00	0.00	0.00	0.00
1965	2	0	0	16.61	0.00	0.00	0.00	0.00	0.00	0.00
1965	3	0	0	15.81	0.00	0.00	0.00	0.00	0.00	0.00
1965	4	0	0	72.92	0.00	0.00	0.00	0.00	0.00	0.00
1965	5	0	0	195.95	0.00	0.00	0.21	0.11	0.21	0.11
1965	6	0	0	51.62	0.00	0.00	0.45	0.87	0.45	0.87
1965	7	0	0	4.27	0.00	0.00	0.00	0.00	0.00	0.00
1965	8	0	0	0.18	0.00	0.00	0.00	0.00	0.00	0.00
1965	9	0	0	0.72	0.00	0.00	0.00	0.00	0.00	0.00
1965	10	6	0	0.17	0.00	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	17.05	0.00	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	18.10	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	1	0	0	5.07	0.00	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	8.84	0.00	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	22.05	0.00	0.00	0.00	0.00	0.00	0.00
1966	4	0	0	23.45	0.00	0.00	0.00	0.00	0.00	0.00
1966	5	0	0	12.90	0.00	0.00	0.00	0.00	0.00	0.00
1966	6	0	0	0.89	0.00	0.00	0.00	0.00	0.00	0.00
1966	7	0	0	0.14	0.00	0.00	0.00	0.00	0.00	0.00
1966	8	0	0	0.06	0.00	0.00	0.00	0.00	0.00	0.00
1966	9	0	0	0.35	0.00	0.00	0.00	0.00	0.00	0.00
1966	10	0	0	6.99	0.00	0.00	0.00	0.00	0.00	0.00
1966	11	0	0	37.30	0.00	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	16.70	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
1967	1	0	0	12.23	0.00	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	7.17	0.00	0.00	0.00	0.00	0.00	0.00
1967	3	0	0	29.14	0.00	0.00	0.00	0.00	0.00	0.00
1967	4	0	0	131.06	0.00	0.00	0.00	0.00	0.00	0.00
1967	5	0	0	211.83	0.00	0.00	0.69	0.32	0.69	0.32
1967	6	0	0	8.79	0.00	0.00	0.00	0.00	0.00	0.00
1967	7	0	0	1.68	0.00	0.00	0.00	0.00	0.00	0.00
1967	8	0	0	1.56	0.00	0.00	0.00	0.00	0.00	0.00
1967	9	0	0	1.25	0.00	0.00	0.00	0.00	0.00	0.00
1967	10	10	0	1.91	0.00	0.00	0.00	0.00	0.00	0.00
1967	11	0	0	21.44	0.00	0.00	0.00	0.00	0.00	0.00
1967	12	0	0	10.49	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	1	0	0	20.07	0.00	0.00	0.00	0.00	0.00	0.00
1968	2	0	0	17.85	0.00	0.00	0.00	0.00	0.00	0.00
1968	3	0	0	39.59	0.00	0.00	0.00	0.00	0.00	0.00
1968	4	0	0	96.17	0.00	0.00	0.00	0.00	0.00	0.00
1968	5	0	0	24.84	0.00	0.00	0.00	0.00	0.00	0.00
1968	6	0	0	0.12	0.00	0.00	0.00	0.00	0.00	0.00
1968	7	0	0	5.06	0.00	0.00	0.00	0.00	0.00	0.00
1968	8	0	0	3.31	0.00	0.00	0.00	0.00	0.00	0.00
1968	9	0	0	2.79	0.00	0.00	0.00	0.00	0.00	0.00
1968	10	0	0	1.16	0.00	0.00	0.00	0.00	0.00	0.00
1968	11	0	0	5.80	0.00	0.00	0.00	0.00	0.00	0.00
1968	12	0	0	18.55	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
1969	1	0	0	5.31	0.00	0.00	0.00	0.00	0.00	0.00
1969	2	0	0	10.68	0.00	0.00	0.00	0.00	0.00	0.00
1969	3	0	0	2.21	0.00	0.00	0.00	0.00	0.00	0.00
1969	4	0	0	30.17	0.00	0.00	0.00	0.00	0.00	0.00
1969	5	0	0	17.98	0.00	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	7.35	0.00	0.00	0.00	0.00	0.00	0.00
1969	7	0	0	3.31	0.00	0.00	0.00	0.00	0.00	0.00
1969	8	0	0	1.28	0.00	0.00	0.00	0.00	0.00	0.00
1969	9	0	0	0.43	0.00	0.00	0.00	0.00	0.00	0.00
1969	10	0	0	2.29	0.00	0.00	0.00	0.00	0.00	0.00
1969	11	0	0	1.49	0.00	0.00	0.00	0.00	0.00	0.00
1969	12	0	0	4.95	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	1	0	0	2.46	0.00	0.00	0.00	0.00	0.00	0.00
1970	2	0	0	8.50	0.00	0.00	0.00	0.00	0.00	0.00
1970	3	0	0	4.06	0.00	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	30.72	0.00	0.00	0.00	0.00	0.00	0.00
1970	5	0	0	78.27	0.00	0.00	0.00	0.00	0.00	0.00
1970	6	0	0	3.83	0.00	0.00	0.00	0.00	0.00	0.00
1970	7	0	0	2.33	0.00	0.00	0.00	0.00	0.00	0.00
1970	8	0	0	1.46	0.00	0.00	0.00	0.00	0.00	0.00
1970	9	0	0	2.93	0.00	0.00	0.00	0.00	0.00	0.00
1970	10	0	0	4.88	0.00	0.00	0.00	0.00	0.00	0.00
1970	11	0	0	26.04	0.00	0.00	0.00	0.00	0.00	0.00
1970	12	0	0	37.89	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	1	0	0	29.13	0.00	0.00	0.00	0.00	0.00	0.00
1971	2	0	0	35.48	0.00	0.00	0.00	0.00	0.00	0.00
1971	3	0	0	105.28	0.00	0.00	0.00	0.00	0.00	0.00
1971	4	0	0	205.37	0.00	0.00	0.00	0.00	0.00	0.00
1971	5	0	0	104.91	0.00	0.00	0.00	0.00	0.00	0.00
1971	6	0	0	23.74	0.00	0.00	0.00	0.00	0.00	0.00
1971	7	0	0	0.55	0.00	0.00	0.00	0.00	0.00	0.00
1971	8	0	0	0.98	0.00	0.00	0.00	0.00	0.00	0.00
1971	9	0	0	3.29	0.00	0.00	0.00	0.00	0.00	0.00
1971	10	0	0	3.54	0.00	0.00	0.00	0.00	0.00	0.00
1971	11	0	0	8.88	0.00	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	19.72	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
1972	1	0	0	19.89	0.00	0.00	0.00	0.00	0.00	0.00
1972	2	0	0	9.89	0.00	0.00	0.00	0.00	0.00	0.00
1972	3	0	0	36.36	0.00	0.00	0.00	0.00	0.00	0.00
1972	4	0	0	39.15	0.00	0.00	0.00	0.00	0.00	0.00
1972	5	0	0	19.86	0.00	0.00	0.00	0.00	0.00	0.00
1972	6	0	0	10.24	0.00	0.00	0.00	0.00	0.00	0.00
1972	7	0	0	7.18	0.00	0.00	0.00	0.00	0.00	0.00
1972	8	0	0	6.10	0.00	0.00	0.00	0.00	0.00	0.00
1972	9	0	0	10.25	0.00	0.00	0.00	0.00	0.00	0.00
1972	10	31	3	28.16	2.02	7.17	0.00	0.00	2.02	7.17
1972	11	30	2	24.42	2.32	9.48	0.00	0.00	2.32	9.48
1972	12	22	0	5.29	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
1973	1	0	0	4.67	0.00	0.00	0.00	0.00	0.00	0.00
1973	2	0	0	1.37	0.00	0.00	0.00	0.00	0.00	0.00
1973	3	0	0	13.34	0.00	0.00	0.00	0.00	0.00	0.00
1973	4	0	0	31.62	0.00	0.00	0.00	0.00	0.00	0.00
1973	5	0	0	56.43	0.00	0.00	0.00	0.00	0.00	0.00
1973	6	0	0	11.53	0.00	0.00	0.00	0.00	0.00	0.00
1973	7	0	0	0.09	0.00	0.00	0.00	0.00	0.00	0.00
1973	8	0	0	0.02	0.00	0.00	0.00	0.00	0.00	0.00
1973	9	0	0	0.06	0.00	0.00	0.00	0.00	0.00	0.00
1973	10	0	0	6.56	0.00	0.00	0.00	0.00	0.00	0.00
1973	11	0	0	24.64	0.00	0.00	0.00	0.00	0.00	0.00
1973	12	0	0	9.29	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
1974	1	0	0	15.71	0.00	0.00	0.00	0.00	0.00	0.00
1974	2	0	0	33.43	0.00	0.00	0.00	0.00	0.00	0.00
1974	3	15	10	81.07	16.01	19.75	0.02	0.02	16.03	19.77
1974	4	30	26	157.10	72.50	46.15	0.05	0.03	72.55	46.18
1974	5	31	31	199.09	133.39	67.00	0.00	0.00	133.39	67.00
1974	6	30	24	16.54	11.08	67.00	0.00	0.00	11.08	67.00
1974	7	3	0	0.02	0.00	0.00	0.00	0.00	0.00	0.00
1974	8	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1974	9	0	0	0.17	0.00	0.00	0.00	0.00	0.00	0.00
1974	10	0	0	7.33	0.00	0.00	0.00	0.00	0.00	0.00
1974	11	0	0	27.29	0.00	0.00	0.00	0.00	0.00	0.00
1974	12	0	0	4.31	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
1975	1	0	0	24.30	0.00	0.00	0.00	0.00	0.00	0.00
1975	2	0	0	22.42	0.00	0.00	0.00	0.00	0.00	0.00
1975	3	0	0	85.29	0.00	0.00	0.00	0.00	0.00	0.00
1975	4	0	0	144.10	0.00	0.00	0.00	0.00	0.00	0.00
1975	5	4	0	78.76	0.00	0.00	0.00	0.00	0.00	0.00
1975	6	0	0	6.35	0.00	0.00	0.00	0.00	0.00	0.00
1975	7	0	0	0.82	0.00	0.00	0.00	0.00	0.00	0.00
1975	8	0	0	1.22	0.00	0.00	0.00	0.00	0.00	0.00
1975	9	0	0	1.01	0.00	0.00	0.00	0.00	0.00	0.00
1975	10	31	0	1.53	0.00	0.00	0.00	0.00	0.00	0.00
1975	11	30	0	10.39	0.00	0.00	0.00	0.00	0.00	0.00
1975	12	31	0	32.88	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
1976	1	31	2	39.32	1.38	3.51	0.00	0.00	1.38	3.51
1976	2	29	12	42.02	20.18	48.03	0.00	0.00	20.18	48.03
1976	3	31	10	43.54	12.37	28.40	0.00	0.01	12.37	28.41
1976	4	30	21	141.63	74.79	52.80	0.01	0.01	74.80	52.81
1976	5	31	17	55.49	35.96	64.82	0.01	0.02	35.98	64.84
1976	6	0	0	2.61	0.00	0.00	0.00	0.00	0.00	0.00
1976	7	0	0	4.93	0.00	0.00	0.00	0.00	0.00	0.00
1976	8	0	0	0.87	0.00	0.00	0.00	0.00	0.00	0.00
1976	9	0	0	0.06	0.00	0.00	0.00	0.00	0.00	0.00
1976	10	31	2	20.80	2.90	13.93	0.00	0.00	2.90	13.94
1976	11	30	0	12.57	0.00	0.00	0.00	0.00	0.00	0.00
1976	12	8	0	9.69	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
1977	1	0	0	0.99	0.00	0.00	0.00	0.00	0.00	0.00
1977	2	0	0	8.26	0.00	0.00	0.00	0.00	0.00	0.00
1977	3	0	0	31.54	0.00	0.00	0.00	0.00	0.00	0.00
1977	4	0	0	145.36	0.00	0.00	0.00	0.00	0.00	0.00
1977	5	2	0	56.20	0.00	0.00	0.00	0.00	0.00	0.00
1977	6	0	0	22.11	0.00	0.00	0.00	0.00	0.00	0.00
1977	7	0	0	8.64	0.00	0.00	0.00	0.00	0.00	0.00
1977	8	0	0	1.11	0.00	0.00	0.00	0.00	0.00	0.00
1977	9	0	0	0.07	0.00	0.00	0.00	0.00	0.00	0.00
1977	10	31	11	24.00	8.82	36.72	0.00	0.00	8.82	36.73
1977	11	30	0	13.97	0.00	0.00	0.00	0.00	0.00	0.00
1977	12	11	0	0.01	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
1978	1	0	0	2.27	0.00	0.00	0.00	0.00	0.00	0.00
1978	2	0	0	3.38	0.00	0.00	0.00	0.00	0.00	0.00
1978	3	0	0	10.09	0.00	0.00	0.00	0.00	0.00	0.00
1978	4	0	0	38.56	0.00	0.00	0.00	0.00	0.00	0.00
1978	5	0	0	13.64	0.00	0.00	0.00	0.00	0.00	0.00
1978	6	0	0	7.69	0.00	0.00	0.00	0.00	0.00	0.00
1978	7	0	0	0.52	0.00	0.00	0.00	0.00	0.00	0.00
1978	8	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1978	9	0	0	0.44	0.00	0.00	0.00	0.00	0.00	0.00
1978	10	0	0	2.62	0.00	0.00	0.00	0.00	0.00	0.00
1978	11	0	0	7.81	0.00	0.00	0.00	0.00	0.00	0.00
1978	12	0	0	3.69	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
1979	1	0	0	2.78	0.00	0.00	0.00	0.00	0.00	0.00
1979	2	0	0	11.14	0.00	0.00	0.00	0.00	0.00	0.00
1979	3	0	0	22.31	0.00	0.00	0.00	0.00	0.00	0.00
1979	4	0	0	66.85	0.00	0.00	0.00	0.00	0.00	0.00
1979	5	0	0	3.29	0.00	0.00	0.00	0.00	0.00	0.00
1979	6	0	0	129.23	0.00	0.00	0.53	0.41	0.53	0.41
1979	7	0	0	19.80	0.00	0.00	0.00	0.00	0.00	0.00
1979	8	0	0	9.19	0.00	0.00	0.00	0.00	0.00	0.00
1979	9	0	0	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1979	10	0	0	4.39	0.00	0.00	0.00	0.00	0.00	0.00
1979	11	0	0	1.31	0.00	0.00	0.00	0.00	0.00	0.00
1979	12	0	0	4.85	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
1980	1	0	0	6.36	0.00	0.00	0.00	0.00	0.00	0.00
1980	2	0	0	2.56	0.00	0.00	0.00	0.00	0.00	0.00
1980	3	0	0	23.78	0.00	0.00	0.00	0.00	0.00	0.00
1980	4	0	0	5.00	0.00	0.00	0.00	0.00	0.00	0.00
1980	5	0	0	44.71	0.00	0.00	0.00	0.00	0.00	0.00
1980	6	0	0	84.14	0.00	0.00	0.00	0.00	0.00	0.00
1980	7	0	0	8.30	0.00	0.00	0.00	0.00	0.00	0.00
1980	8	0	0	2.77	0.00	0.00	0.00	0.00	0.00	0.00
1980	9	0	0	1.13	0.00	0.00	0.00	0.00	0.00	0.00
1980	10	0	0	27.65	0.00	0.00	0.00	0.00	0.00	0.00
1980	11	0	0	12.10	0.00	0.00	0.00	0.00	0.00	0.00
1980	12	0	0	11.59	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	1	0	0	23.84	0.00	0.00	0.00	0.00	0.00	0.00
1981	2	0	0	11.70	0.00	0.00	0.00	0.00	0.00	0.00
1981	3	0	0	41.77	0.00	0.00	0.00	0.00	0.00	0.00
1981	4	7	6	156.16	7.94	5.08	0.03	0.02	7.97	5.10
1981	5	31	31	231.61	129.05	55.72	0.10	0.04	129.15	55.76
1981	6	30	30	150.32	100.71	67.00	0.00	0.00	100.71	67.00
1981	7	31	30	98.36	65.90	67.00	0.00	0.00	65.90	67.00
1981	8	31	15	2.45	1.64	67.00	0.00	0.00	1.64	67.00
1981	9	30	0	1.19	0.00	0.00	0.00	0.00	0.00	0.00
1981	10	31	12	16.70	1.64	9.82	0.00	0.01	1.64	9.83
1981	11	30	0	13.49	0.00	0.00	0.00	0.00	0.00	0.00
1981	12	31	2	32.68	1.26	3.86	0.00	0.00	1.26	3.86

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1982	1	31	4	31.72	4.43	13.97	0.00	0.00	4.43	13.97
1982	2	28	28	6.78	4.54	67.00	0.00	0.00	4.54	67.00
1982	3	31	28	13.19	8.84	67.00	0.00	0.00	8.84	67.00
1982	4	30	29	10.71	7.17	67.00	0.00	0.00	7.17	67.00
1982	5	31	27	106.56	71.39	67.00	0.00	0.00	71.39	67.00
1982	6	21	9	4.58	2.77	60.50	0.00	0.00	2.77	60.50
1982	7	0	0	2.87	0.00	0.00	0.00	0.00	0.00	0.00
1982	8	0	0	1.03	0.00	0.00	0.00	0.00	0.00	0.00
1982	9	0	0	2.48	0.00	0.00	0.00	0.00	0.00	0.00
1982	10	0	0	4.06	0.00	0.00	0.00	0.00	0.00	0.00
1982	11	0	0	14.25	0.00	0.00	0.00	0.00	0.00	0.00
1982	12	0	0	18.91	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
1983	1	0	0	13.27	0.00	0.00	0.00	0.00	0.00	0.00
1983	2	0	0	0.52	0.00	0.00	0.00	0.00	0.00	0.00
1983	3	0	0	0.27	0.00	0.00	0.00	0.00	0.00	0.00
1983	4	0	0	18.27	0.00	0.00	0.00	0.00	0.00	0.00
1983	5	0	0	88.46	0.00	0.00	0.00	0.00	0.00	0.00
1983	6	0	0	4.51	0.00	0.00	0.00	0.00	0.00	0.00
1983	7	0	0	5.51	0.00	0.00	0.00	0.00	0.00	0.00
1983	8	0	0	1.69	0.00	0.00	0.00	0.00	0.00	0.00
1983	9	0	0	1.54	0.00	0.00	0.00	0.00	0.00	0.00
1983	10	0	0	0.89	0.00	0.00	0.00	0.00	0.00	0.00
1983	11	0	0	3.10	0.00	0.00	0.00	0.00	0.00	0.00
1983	12	0	0	8.69	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
1984	1	0	0	7.84	0.00	0.00	0.00	0.00	0.00	0.00
1984	2	0	0	5.71	0.00	0.00	0.00	0.00	0.00	0.00
1984	3	0	0	3.47	0.00	0.00	0.00	0.00	0.00	0.00
1984	4	0	0	9.65	0.00	0.00	0.00	0.00	0.00	0.00
1984	5	0	0	46.06	0.00	0.00	0.00	0.00	0.00	0.00
1984	6	0	0	20.43	0.00	0.00	0.00	0.00	0.00	0.00
1984	7	0	0	0.61	0.00	0.00	0.00	0.00	0.00	0.00
1984	8	0	0	3.61	0.00	0.00	0.00	0.00	0.00	0.00
1984	9	0	0	3.60	0.00	0.00	0.00	0.00	0.00	0.00
1984	10	0	0	25.67	0.00	0.00	0.00	0.00	0.00	0.00
1984	11	0	0	18.73	0.00	0.00	0.00	0.00	0.00	0.00
1984	12	0	0	20.44	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	1	0	0	26.42	0.00	0.00	0.00	0.00	0.00	0.00
1985	2	0	0	32.80	0.00	0.00	0.00	0.00	0.00	0.00
1985	3	0	0	85.36	0.00	0.00	0.00	0.00	0.00	0.00
1985	4	0	0	20.98	0.00	0.00	0.00	0.00	0.00	0.00
1985	5	0	0	77.43	0.00	0.00	0.00	0.00	0.00	0.00
1985	6	0	0	96.64	0.00	0.00	0.60	0.62	0.60	0.62
1985	7	0	0	2.93	0.00	0.00	0.00	0.00	0.00	0.00
1985	8	0	0	1.45	0.00	0.00	0.00	0.00	0.00	0.00
1985	9	0	0	0.20	0.00	0.00	0.00	0.00	0.00	0.00
1985	10	2	0	3.42	0.00	0.00	0.00	0.00	0.00	0.00
1985	11	0	0	20.38	0.00	0.00	0.00	0.00	0.00	0.00
1985	12	0	0	17.56	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	1	0	0	8.98	0.00	0.00	0.00	0.00	0.00	0.00
1986	2	0	0	15.95	0.00	0.00	0.00	0.00	0.00	0.00
1986	3	0	0	3.19	0.00	0.00	0.00	0.00	0.00	0.00
1986	4	0	0	64.33	0.00	0.00	0.00	0.00	0.00	0.00
1986	5	0	0	87.97	0.00	0.00	0.00	0.00	0.00	0.00
1986	6	0	0	18.04	0.00	0.00	0.00	0.00	0.00	0.00
1986	7	0	0	3.37	0.00	0.00	0.00	0.00	0.00	0.00
1986	8	0	0	0.28	0.00	0.00	0.00	0.00	0.00	0.00
1986	9	0	0	2.98	0.00	0.00	0.00	0.00	0.00	0.00
1986	10	0	0	16.65	0.00	0.00	0.00	0.00	0.00	0.00
1986	11	0	0	7.02	0.00	0.00	0.00	0.00	0.00	0.00
1986	12	0	0	10.08	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
1987	1	0	0	3.21	0.00	0.00	0.00	0.00	0.00	0.00
1987	2	0	0	2.97	0.00	0.00	0.00	0.00	0.00	0.00
1987	3	0	0	4.39	0.00	0.00	0.00	0.00	0.00	0.00
1987	4	0	0	26.23	0.00	0.00	0.00	0.00	0.00	0.00
1987	5	0	0	77.65	0.00	0.00	0.00	0.00	0.00	0.00
1987	6	0	0	119.64	0.00	0.00	0.03	0.02	0.03	0.02
1987	7	0	0	10.53	0.00	0.00	0.00	0.00	0.00	0.00
1987	8	0	0	16.69	0.00	0.00	0.00	0.00	0.00	0.00
1987	9	0	0	5.87	0.00	0.00	0.00	0.00	0.00	0.00
1987	10	12	0	6.43	0.00	0.00	0.00	0.00	0.00	0.00
1987	11	0	0	0.15	0.00	0.00	0.00	0.00	0.00	0.00
1987	12	0	0	6.83	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
1988	1	0	0	4.37	0.00	0.00	0.00	0.00	0.00	0.00
1988	2	0	0	4.19	0.00	0.00	0.00	0.00	0.00	0.00
1988	3	0	0	7.60	0.00	0.00	0.00	0.00	0.00	0.00
1988	4	0	0	48.17	0.00	0.00	0.00	0.00	0.00	0.00
1988	5	0	0	96.82	0.00	0.00	0.00	0.00	0.00	0.00
1988	6	0	0	26.33	0.00	0.00	0.00	0.00	0.00	0.00
1988	7	0	0	0.79	0.00	0.00	0.00	0.00	0.00	0.00
1988	8	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1988	9	0	0	22.11	0.00	0.00	0.00	0.00	0.00	0.00
1988	10	0	0	61.84	0.00	0.00	0.00	0.00	0.00	0.00
1988	11	0	0	9.53	0.00	0.00	0.00	0.00	0.00	0.00
1988	12	0	0	31.20	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	1	0	0	62.43	0.00	0.00	0.00	0.00	0.00	0.00
1989	2	0	0	92.23	0.00	0.00	0.00	0.00	0.00	0.00
1989	3	0	0	46.42	0.00	0.00	0.00	0.00	0.00	0.00
1989	4	0	0	72.51	0.00	0.00	0.00	0.00	0.00	0.00
1989	5	0	0	143.39	0.00	0.00	0.00	0.00	0.00	0.00
1989	6	0	0	136.83	0.00	0.00	2.32	1.70	2.32	1.70
1989	7	0	0	38.36	0.00	0.00	0.00	0.00	0.00	0.00
1989	8	0	0	3.17	0.00	0.00	0.00	0.00	0.00	0.00
1989	9	0	0	1.44	0.00	0.00	0.00	0.00	0.00	0.00
1989	10	31	0	3.77	0.00	0.00	0.00	0.00	0.00	0.00
1989	11	30	0	31.29	0.00	0.00	0.00	0.00	0.00	0.00
1989	12	31	0	26.94	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
1990	1	31	0	13.45	0.00	0.00	0.00	0.00	0.00	0.00
1990	2	28	1	9.23	0.11	1.23	0.00	0.00	0.11	1.23
1990	3	31	3	47.96	1.90	3.96	0.00	0.00	1.90	3.96
1990	4	30	7	96.30	8.81	9.14	0.02	0.02	8.82	9.16
1990	5	31	12	71.36	14.24	19.95	0.04	0.05	14.27	20.00
1990	6	30	14	42.47	27.84	65.56	0.00	0.00	27.85	65.56
1990	7	18	10	7.73	3.23	41.84	0.00	0.00	3.23	41.84
1990	8	0	0	1.67	0.00	0.00	0.00	0.00	0.00	0.00
1990	9	0	0	7.03	0.00	0.00	0.00	0.00	0.00	0.00
1990	10	31	0	4.95	0.00	0.00	0.00	0.00	0.00	0.00
1990	11	30	0	28.99	0.00	0.00	0.00	0.00	0.00	0.00
1990	12	31	1	47.29	0.03	0.07	0.00	0.00	0.04	0.07

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1991	1	31	0	8.45	0.00	0.00	0.00	0.00	0.00	0.00
1991	2	21	3	16.40	3.19	19.47	0.00	0.00	3.19	19.47
1991	3	1	0	24.06	0.00	0.00	0.00	0.00	0.00	0.00
1991	4	0	0	2.32	0.00	0.00	0.00	0.00	0.00	0.00
1991	5	0	0	31.19	0.00	0.00	0.00	0.00	0.00	0.00
1991	6	0	0	5.20	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	0.96	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	0	0	1.97	0.00	0.00	0.00	0.00	0.00	0.00
1991	10	0	0	2.62	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	0	0	13.07	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	0	0	25.14	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	1	0	0	22.52	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	0	0	8.28	0.00	0.00	0.00	0.00	0.00	0.00
1992	3	0	0	12.42	0.00	0.00	0.00	0.00	0.00	0.00
1992	4	0	0	5.98	0.00	0.00	0.00	0.00	0.00	0.00
1992	5	0	0	105.04	0.00	0.00	0.00	0.00	0.00	0.00
1992	6	0	0	15.39	0.00	0.00	0.00	0.00	0.00	0.00
1992	7	0	0	6.86	0.00	0.00	0.00	0.00	0.00	0.00
1992	8	0	0	1.42	0.00	0.00	0.00	0.00	0.00	0.00
1992	9	0	0	1.33	0.00	0.00	0.00	0.00	0.00	0.00
1992	10	0	0	28.69	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0	0	26.93	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	0	0	35.27	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
1993	1	0	0	1.98	0.00	0.00	0.00	0.00	0.00	0.00
1993	2	0	0	4.20	0.00	0.00	0.00	0.00	0.00	0.00
1993	3	0	0	10.31	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0	0	15.95	0.00	0.00	0.00	0.00	0.00	0.00
1993	5	0	0	107.14	0.00	0.00	0.09	0.08	0.09	0.08
1993	6	0	0	34.18	0.00	0.00	0.00	0.00	0.00	0.00
1993	7	0	0	23.14	0.00	0.00	0.00	0.00	0.00	0.00
1993	8	0	0	37.72	0.00	0.00	0.00	0.00	0.00	0.00
1993	9	0	0	1.65	0.00	0.00	0.00	0.00	0.00	0.00
1993	10	0	0	1.02	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	0	0	12.26	0.00	0.00	0.00	0.00	0.00	0.00
1993	12	0	0	31.23	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	1	0	0	4.41	0.00	0.00	0.00	0.00	0.00	0.00
1994	2	0	0	2.85	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0	0	17.31	0.00	0.00	0.00	0.00	0.00	0.00
1994	4	0	0	25.64	0.00	0.00	0.00	0.00	0.00	0.00
1994	5	0	0	52.50	0.00	0.00	0.00	0.00	0.00	0.00
1994	6	0	0	2.03	0.00	0.00	0.00	0.00	0.00	0.00
1994	7	0	0	4.86	0.00	0.00	0.00	0.00	0.00	0.00
1994	8	0	0	0.03	0.00	0.00	0.00	0.00	0.00	0.00
1994	9	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	10	0	0	8.47	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	0	0	6.48	0.00	0.00	0.00	0.00	0.00	0.00
1994	12	0	0	4.76	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	1	0	0	4.26	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	0	0	3.47	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	0	0	17.87	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0	0	40.51	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0	0	45.51	0.00	0.00	0.00	0.00	0.00	0.00
1995	6	0	0	17.22	0.00	0.00	0.00	0.00	0.00	0.00
1995	7	0	0	14.29	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	0	0	7.99	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	0	0	1.61	0.00	0.00	0.00	0.00	0.00	0.00
1995	10	0	0	4.86	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	0	0	8.77	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	0	0	10.57	0.00	0.00	0.00	0.00	0.00	0.00

Annual Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − 2015R (LEC2020)

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

Year	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1965	6	0	437.49	0.00	0.00	0.66	0.15	0.66	0.15
1966	0	0	134.75	0.00	0.00	0.00	0.00	0.00	0.00
1967	10	0	438.54	0.00	0.00	0.69	0.16	0.69	0.16
1968	0	0	235.31	0.00	0.00	0.00	0.00	0.00	0.00
1969	0	0	87.44	0.00	0.00	0.00	0.00	0.00	0.00
1970	0	0	203.37	0.00	0.00	0.00	0.00	0.00	0.00
1971	0	0	540.86	0.00	0.00	0.00	0.00	0.00	0.00
1972	83	5	216.78	4.34	2.00	0.00	0.00	4.34	2.00
1973	0	0	159.62	0.00	0.00	0.00	0.00	0.00	0.00
1974	109	91	542.06	232.98	42.98	0.06	0.01	233.05	42.99
1975	96	0	409.06	0.00	0.00	0.00	0.00	0.00	0.00
1976	221	64	373.52	147.58	39.51	0.03	0.01	147.60	39.52
1977	74	11	312.25	8.82	2.82	0.00	0.00	8.82	2.82
1978	0	0	91.79	0.00	0.00	0.00	0.00	0.00	0.00
1979	0	0	275.16	0.00	0.00	0.53	0.19	0.53	0.19
1980	0	0	230.10	0.00	0.00	0.00	0.00	0.00	0.00
1981	252	126	780.29	308.14	39.49	0.13	0.02	308.28	39.51
1982	172	125	217.14	99.15	45.66	0.00	0.00	99.15	45.66
1983	0	0	146.72	0.00	0.00	0.00	0.00	0.00	0.00
1984	0	0	165.81	0.00	0.00	0.00	0.00	0.00	0.00
1985	2	0	385.56	0.00	0.00	0.60	0.16	0.60	0.16
1986	0	0	238.85	0.00	0.00	0.00	0.00	0.00	0.00
1987	12	0	280.60	0.00	0.00	0.03	0.01	0.03	0.01
1988	0	0	314.02	0.00	0.00	0.00	0.00	0.00	0.00
1989	92	0	658.78	0.00	0.00	2.32	0.35	2.32	0.35
1990	291	48	378.42	56.17	14.84	0.05	0.01	56.22	14.86
1991	53	3	131.38	3.19	2.43	0.00	0.00	3.19	2.43
1992	0	0	270.11	0.00	0.00	0.00	0.00	0.00	0.00
1993	0	0	280.78	0.00	0.00	0.09	0.03	0.09	0.03
1994	0	0	129.33	0.00	0.00	0.00	0.00	0.00	0.00
1995	0	0	176.93	0.00	0.00	0.00	0.00	0.00	0.00

Monthly Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − 2020R (LEC2020 Plan)

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	1	0	0	43.50	0.00	0.00	0.00	0.00	0.00	0.00
1965	2	0	0	17.94	0.00	0.00	0.00	0.00	0.00	0.00
1965	3	0	0	13.14	0.00	0.00	0.00	0.00	0.00	0.00
1965	4	0	0	88.96	0.00	0.00	0.00	0.00	0.00	0.00
1965	5	0	0	212.05	0.00	0.00	0.21	0.10	0.21	0.10
1965	6	0	0	51.64	0.00	0.00	0.45	0.87	0.45	0.87
1965	7	0	0	4.29	0.00	0.00	0.00	0.00	0.00	0.00
1965	8	0	0	0.16	0.00	0.00	0.00	0.00	0.00	0.00
1965	9	0	0	0.72	0.00	0.00	0.00	0.00	0.00	0.00
1965	10	3	0	0.17	0.00	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	17.05	0.00	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	18.03	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	1	0	0	5.07	0.00	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	8.84	0.00	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	22.05	0.00	0.00	0.00	0.00	0.00	0.00
1966	4	0	0	24.22	0.00	0.00	0.00	0.00	0.00	0.00
1966	5	0	0	13.26	0.00	0.00	0.00	0.00	0.00	0.00
1966	6	0	0	0.89	0.00	0.00	0.00	0.00	0.00	0.00
1966	7	0	0	0.14	0.00	0.00	0.00	0.00	0.00	0.00
1966	8	0	0	0.06	0.00	0.00	0.00	0.00	0.00	0.00
1966	9	0	0	0.35	0.00	0.00	0.00	0.00	0.00	0.00
1966	10	0	0	6.99	0.00	0.00	0.00	0.00	0.00	0.00
1966	11	0	0	37.31	0.00	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	16.44	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	1	0	0	12.17	0.00	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	7.21	0.00	0.00	0.00	0.00	0.00	0.00
1967	3	0	0	29.18	0.00	0.00	0.00	0.00	0.00	0.00
1967	4	0	0	108.67	0.00	0.00	0.00	0.00	0.00	0.00
1967	5	0	0	214.59	0.00	0.00	0.68	0.32	0.68	0.32
1967	6	0	0	9.62	0.00	0.00	0.00	0.00	0.00	0.00
1967	7	0	0	1.61	0.00	0.00	0.00	0.00	0.00	0.00
1967	8	0	0	1.55	0.00	0.00	0.00	0.00	0.00	0.00
1967	9	0	0	1.24	0.00	0.00	0.00	0.00	0.00	0.00
1967	10	11	0	1.91	0.00	0.00	0.00	0.00	0.00	0.00
1967	11	0	0	21.44	0.00	0.00	0.00	0.00	0.00	0.00
1967	12	0	0	10.39	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	1	0	0	19.81	0.00	0.00	0.00	0.00	0.00	0.00
1968	2	0	0	17.72	0.00	0.00	0.00	0.00	0.00	0.00
1968	3	0	0	39.12	0.00	0.00	0.00	0.00	0.00	0.00
1968	4	0	0	81.03	0.00	0.00	0.00	0.00	0.00	0.00
1968	5	0	0	19.87	0.00	0.00	0.00	0.00	0.00	0.00
1968	6	0	0	0.12	0.00	0.00	0.00	0.00	0.00	0.00
1968	7	0	0	5.06	0.00	0.00	0.00	0.00	0.00	0.00
1968	8	0	0	3.31	0.00	0.00	0.00	0.00	0.00	0.00
1968	9	0	0	2.79	0.00	0.00	0.00	0.00	0.00	0.00
1968	10	0	0	1.16	0.00	0.00	0.00	0.00	0.00	0.00
1968	11	0	0	5.79	0.00	0.00	0.00	0.00	0.00	0.00
1968	12	0	0	18.26	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	1	0	0	5.30	0.00	0.00	0.00	0.00	0.00	0.00
1969	2	0	0	10.59	0.00	0.00	0.00	0.00	0.00	0.00
1969	3	0	0	2.20	0.00	0.00	0.00	0.00	0.00	0.00
1969	4	0	0	30.04	0.00	0.00	0.00	0.00	0.00	0.00
1969	5	0	0	17.99	0.00	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	7.32	0.00	0.00	0.00	0.00	0.00	0.00
1969	7	0	0	3.32	0.00	0.00	0.00	0.00	0.00	0.00
1969	8	0	0	1.28	0.00	0.00	0.00	0.00	0.00	0.00
1969	9	0	0	0.43	0.00	0.00	0.00	0.00	0.00	0.00
1969	10	0	0	2.29	0.00	0.00	0.00	0.00	0.00	0.00
1969	11	0	0	1.54	0.00	0.00	0.00	0.00	0.00	0.00
1969	12	0	0	4.97	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	1	0	0	2.38	0.00	0.00	0.00	0.00	0.00	0.00
1970	2	0	0	8.48	0.00	0.00	0.00	0.00	0.00	0.00
1970	3	0	0	4.02	0.00	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	30.69	0.00	0.00	0.00	0.00	0.00	0.00
1970	5	0	0	59.70	0.00	0.00	0.00	0.00	0.00	0.00
1970	6	0	0	3.83	0.00	0.00	0.00	0.00	0.00	0.00
1970	7	0	0	2.33	0.00	0.00	0.00	0.00	0.00	0.00
1970	8	0	0	1.46	0.00	0.00	0.00	0.00	0.00	0.00
1970	9	0	0	2.93	0.00	0.00	0.00	0.00	0.00	0.00
1970	10	0	0	4.88	0.00	0.00	0.00	0.00	0.00	0.00
1970	11	0	0	25.81	0.00	0.00	0.00	0.00	0.00	0.00
1970	12	0	0	37.83	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
1971	1	0	0	29.05	0.00	0.00	0.00	0.00	0.00	0.00
1971	2	0	0	24.62	0.00	0.00	0.00	0.00	0.00	0.00
1971	3	0	0	93.42	0.00	0.00	0.00	0.00	0.00	0.00
1971	4	0	0	204.56	0.00	0.00	0.00	0.00	0.00	0.00
1971	5	0	0	102.04	0.00	0.00	0.00	0.00	0.00	0.00
1971	6	0	0	21.57	0.00	0.00	0.00	0.00	0.00	0.00
1971	7	0	0	0.56	0.00	0.00	0.00	0.00	0.00	0.00
1971	8	0	0	1.01	0.00	0.00	0.00	0.00	0.00	0.00
1971	9	0	0	3.29	0.00	0.00	0.00	0.00	0.00	0.00
1971	10	0	0	3.54	0.00	0.00	0.00	0.00	0.00	0.00
1971	11	0	0	8.88	0.00	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	19.73	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
1972	1	0	0	19.89	0.00	0.00	0.00	0.00	0.00	0.00
1972	2	0	0	9.88	0.00	0.00	0.00	0.00	0.00	0.00
1972	3	0	0	35.55	0.00	0.00	0.00	0.00	0.00	0.00
1972	4	0	0	35.71	0.00	0.00	0.00	0.00	0.00	0.00
1972	5	0	0	16.13	0.00	0.00	0.00	0.00	0.00	0.00
1972	6	0	0	9.01	0.00	0.00	0.00	0.00	0.00	0.00
1972	7	0	0	7.18	0.00	0.00	0.00	0.00	0.00	0.00
1972	8	0	0	6.10	0.00	0.00	0.00	0.00	0.00	0.00
1972	9	0	0	10.25	0.00	0.00	0.00	0.00	0.00	0.00
1972	10	0	0	26.94	0.00	0.00	0.00	0.00	0.00	0.00
1972	11	0	0	22.51	0.00	0.00	0.00	0.00	0.00	0.00
1972	12	0	0	4.58	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	1	0	0	3.61	0.00	0.00	0.00	0.00	0.00	0.00
1973	2	0	0	1.19	0.00	0.00	0.00	0.00	0.00	0.00
1973	3	0	0	12.19	0.00	0.00	0.00	0.00	0.00	0.00
1973	4	0	0	29.90	0.00	0.00	0.00	0.00	0.00	0.00
1973	5	0	0	53.04	0.00	0.00	0.00	0.00	0.00	0.00
1973	6	0	0	11.46	0.00	0.00	0.00	0.00	0.00	0.00
1973	7	0	0	0.09	0.00	0.00	0.00	0.00	0.00	0.00
1973	8	0	0	0.02	0.00	0.00	0.00	0.00	0.00	0.00
1973	9	0	0	0.06	0.00	0.00	0.00	0.00	0.00	0.00
1973	10	0	0	6.55	0.00	0.00	0.00	0.00	0.00	0.00
1973	11	0	0	24.64	0.00	0.00	0.00	0.00	0.00	0.00
1973	12	0	0	9.27	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
1974	1	0	0	15.71	0.00	0.00	0.00	0.00	0.00	0.00
1974	2	0	0	31.34	0.00	0.00	0.00	0.00	0.00	0.00
1974	3	0	0	69.89	0.00	0.00	0.00	0.00	0.00	0.00
1974	4	0	0	138.02	0.00	0.00	0.00	0.00	0.00	0.00
1974	5	10	2	124.11	1.39	1.12	0.01	0.01	1.40	1.12
1974	6	25	3	4.06	0.45	11.18	0.00	0.07	0.46	11.24
1974	7	0	0	0.02	0.00	0.00	0.00	0.00	0.00	0.00
1974	8	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1974	9	0	0	0.17	0.00	0.00	0.00	0.00	0.00	0.00
1974	10	0	0	7.32	0.00	0.00	0.00	0.00	0.00	0.00
1974	11	0	0	27.24	0.00	0.00	0.00	0.00	0.00	0.00
1974	12	0	0	4.31	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
1975	1	0	0	24.07	0.00	0.00	0.00	0.00	0.00	0.00
1975	2	0	0	22.42	0.00	0.00	0.00	0.00	0.00	0.00
1975	3	0	0	67.61	0.00	0.00	0.00	0.00	0.00	0.00
1975	4	0	0	141.98	0.00	0.00	0.00	0.00	0.00	0.00
1975	5	0	0	78.57	0.00	0.00	0.00	0.00	0.00	0.00
1975	6	0	0	6.34	0.00	0.00	0.00	0.00	0.00	0.00
1975	7	0	0	0.83	0.00	0.00	0.00	0.00	0.00	0.00
1975	8	0	0	1.21	0.00	0.00	0.00	0.00	0.00	0.00
1975	9	0	0	1.01	0.00	0.00	0.00	0.00	0.00	0.00
1975	10	0	0	1.50	0.00	0.00	0.00	0.00	0.00	0.00
1975	11	0	0	10.05	0.00	0.00	0.00	0.00	0.00	0.00
1975	12	0	0	30.35	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	1	0	0	37.35	0.00	0.00	0.00	0.00	0.00	0.00
1976	2	0	0	42.10	0.00	0.00	0.00	0.00	0.00	0.00
1976	3	0	0	42.68	0.00	0.00	0.00	0.00	0.00	0.00
1976	4	1	1	125.27	2.95	2.35	0.02	0.01	2.97	2.37
1976	5	22	0	22.79	0.00	0.00	0.00	0.00	0.00	0.00
1976	6	0	0	2.61	0.00	0.00	0.00	0.00	0.00	0.00
1976	7	0	0	4.94	0.00	0.00	0.00	0.00	0.00	0.00
1976	8	0	0	0.87	0.00	0.00	0.00	0.00	0.00	0.00
1976	9	0	0	0.06	0.00	0.00	0.00	0.00	0.00	0.00
1976	10	31	2	19.27	1.81	9.40	0.00	0.00	1.81	9.40
1976	11	3	0	11.66	0.00	0.00	0.00	0.00	0.00	0.00
1976	12	0	0	8.11	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	1	0	0	0.95	0.00	0.00	0.00	0.00	0.00	0.00
1977	2	0	0	8.00	0.00	0.00	0.00	0.00	0.00	0.00
1977	3	0	0	30.91	0.00	0.00	0.00	0.00	0.00	0.00
1977	4	0	0	136.46	0.00	0.00	0.00	0.00	0.00	0.00
1977	5	0	0	56.20	0.00	0.00	0.00	0.00	0.00	0.00
1977	6	0	0	22.30	0.00	0.00	0.00	0.00	0.00	0.00
1977	7	0	0	8.55	0.00	0.00	0.00	0.00	0.00	0.00
1977	8	0	0	0.99	0.00	0.00	0.00	0.00	0.00	0.00
1977	9	0	0	0.07	0.00	0.00	0.00	0.00	0.00	0.00
1977	10	31	8	23.87	5.13	21.50	0.00	0.00	5.13	21.50
1977	11	30	0	13.79	0.00	0.00	0.00	0.00	0.00	0.00
1977	12	6	0	0.01	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
1978	1	0	0	2.13	0.00	0.00	0.00	0.00	0.00	0.00
1978	2	0	0	3.38	0.00	0.00	0.00	0.00	0.00	0.00
1978	3	0	0	10.08	0.00	0.00	0.00	0.00	0.00	0.00
1978	4	0	0	38.25	0.00	0.00	0.00	0.00	0.00	0.00
1978	5	0	0	12.73	0.00	0.00	0.00	0.00	0.00	0.00
1978	6	0	0	7.69	0.00	0.00	0.00	0.00	0.00	0.00
1978	7	0	0	0.52	0.00	0.00	0.00	0.00	0.00	0.00
1978	8	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1978	9	0	0	0.46	0.00	0.00	0.00	0.00	0.00	0.00
1978	10	0	0	2.62	0.00	0.00	0.00	0.00	0.00	0.00
1978	11	0	0	7.81	0.00	0.00	0.00	0.00	0.00	0.00
1978	12	0	0	3.69	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
1979	1	0	0	2.78	0.00	0.00	0.00	0.00	0.00	0.00
1979	2	0	0	11.13	0.00	0.00	0.00	0.00	0.00	0.00
1979	3	0	0	22.02	0.00	0.00	0.00	0.00	0.00	0.00
1979	4	0	0	55.38	0.00	0.00	0.00	0.00	0.00	0.00
1979	5	0	0	3.29	0.00	0.00	0.00	0.00	0.00	0.00
1979	6	0	0	129.33	0.00	0.00	0.33	0.26	0.33	0.26
1979	7	0	0	20.22	0.00	0.00	0.00	0.00	0.00	0.00
1979	8	0	0	9.06	0.00	0.00	0.00	0.00	0.00	0.00
1979	9	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1979	10	0	0	4.39	0.00	0.00	0.00	0.00	0.00	0.00
1979	11	0	0	1.31	0.00	0.00	0.00	0.00	0.00	0.00
1979	12	0	0	4.85	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
1980	1	0	0	6.05	0.00	0.00	0.00	0.00	0.00	0.00
1980	2	0	0	2.55	0.00	0.00	0.00	0.00	0.00	0.00
1980	3	0	0	23.68	0.00	0.00	0.00	0.00	0.00	0.00
1980	4	0	0	4.92	0.00	0.00	0.00	0.00	0.00	0.00
1980	5	0	0	44.66	0.00	0.00	0.00	0.00	0.00	0.00
1980	6	0	0	84.10	0.00	0.00	0.00	0.00	0.00	0.00
1980	7	0	0	8.30	0.00	0.00	0.00	0.00	0.00	0.00
1980	8	0	0	2.77	0.00	0.00	0.00	0.00	0.00	0.00
1980	9	0	0	1.13	0.00	0.00	0.00	0.00	0.00	0.00
1980	10	0	0	27.64	0.00	0.00	0.00	0.00	0.00	0.00
1980	11	0	0	12.10	0.00	0.00	0.00	0.00	0.00	0.00
1980	12	0	0	11.52	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	1	0	0	23.63	0.00	0.00	0.00	0.00	0.00	0.00
1981	2	0	0	11.70	0.00	0.00	0.00	0.00	0.00	0.00
1981	3	0	0	41.64	0.00	0.00	0.00	0.00	0.00	0.00
1981	4	6	5	141.24	6.36	4.50	0.03	0.02	6.39	4.52
1981	5	31	30	229.00	123.99	54.15	0.13	0.06	124.12	54.20
1981	6	30	30	146.20	97.96	67.00	0.00	0.00	97.96	67.00
1981	7	31	30	96.32	64.54	67.00	0.00	0.00	64.54	67.00
1981	8	31	15	2.30	1.54	67.00	0.00	0.00	1.54	67.00
1981	9	30	0	1.19	0.00	0.00	0.00	0.00	0.00	0.00
1981	10	31	12	16.61	1.59	9.57	0.00	0.01	1.59	9.58
1981	11	30	0	13.48	0.00	0.00	0.00	0.00	0.00	0.00
1981	12	31	2	32.55	1.26	3.86	0.00	0.00	1.26	3.86

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1982	1	31	4	31.71	4.43	13.97	0.00	0.00	4.43	13.97
1982	2	28	28	6.76	4.53	67.00	0.00	0.00	4.53	67.00
1982	3	31	29	12.79	8.57	67.00	0.00	0.00	8.57	67.00
1982	4	30	29	10.69	7.16	67.00	0.00	0.00	7.16	67.00
1982	5	31	27	97.97	65.64	67.00	0.00	0.00	65.64	67.00
1982	6	21	7	4.55	2.16	47.58	0.00	0.01	2.16	47.60
1982	7	0	0	2.87	0.00	0.00	0.00	0.00	0.00	0.00
1982	8	0	0	1.03	0.00	0.00	0.00	0.00	0.00	0.00
1982	9	0	0	2.46	0.00	0.00	0.00	0.00	0.00	0.00
1982	10	0	0	4.06	0.00	0.00	0.00	0.00	0.00	0.00
1982	11	0	0	14.25	0.00	0.00	0.00	0.00	0.00	0.00
1982	12	0	0	18.91	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
1983	1	0	0	13.27	0.00	0.00	0.00	0.00	0.00	0.00
1983	2	0	0	0.52	0.00	0.00	0.00	0.00	0.00	0.00
1983	3	0	0	0.27	0.00	0.00	0.00	0.00	0.00	0.00
1983	4	0	0	18.27	0.00	0.00	0.00	0.00	0.00	0.00
1983	5	0	0	84.99	0.00	0.00	0.00	0.00	0.00	0.00
1983	6	0	0	4.28	0.00	0.00	0.00	0.00	0.00	0.00
1983	7	0	0	5.49	0.00	0.00	0.00	0.00	0.00	0.00
1983	8	0	0	1.69	0.00	0.00	0.00	0.00	0.00	0.00
1983	9	0	0	1.53	0.00	0.00	0.00	0.00	0.00	0.00
1983	10	0	0	0.89	0.00	0.00	0.00	0.00	0.00	0.00
1983	11	0	0	3.10	0.00	0.00	0.00	0.00	0.00	0.00
1983	12	0	0	8.69	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
1984	1	0	0	7.84	0.00	0.00	0.00	0.00	0.00	0.00
1984	2	0	0	5.71	0.00	0.00	0.00	0.00	0.00	0.00
1984	3	0	0	3.47	0.00	0.00	0.00	0.00	0.00	0.00
1984	4	0	0	9.64	0.00	0.00	0.00	0.00	0.00	0.00
1984	5	0	0	42.62	0.00	0.00	0.00	0.00	0.00	0.00
1984	6	0	0	20.43	0.00	0.00	0.00	0.00	0.00	0.00
1984	7	0	0	0.61	0.00	0.00	0.00	0.00	0.00	0.00
1984	8	0	0	3.60	0.00	0.00	0.00	0.00	0.00	0.00
1984	9	0	0	3.59	0.00	0.00	0.00	0.00	0.00	0.00
1984	10	0	0	25.66	0.00	0.00	0.00	0.00	0.00	0.00
1984	11	0	0	18.73	0.00	0.00	0.00	0.00	0.00	0.00
1984	12	0	0	20.44	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	1	0	0	26.15	0.00	0.00	0.00	0.00	0.00	0.00
1985	2	0	0	27.45	0.00	0.00	0.00	0.00	0.00	0.00
1985	3	0	0	77.84	0.00	0.00	0.00	0.00	0.00	0.00
1985	4	0	0	18.38	0.00	0.00	0.00	0.00	0.00	0.00
1985	5	0	0	70.89	0.00	0.00	0.00	0.00	0.00	0.00
1985	6	0	0	96.93	0.00	0.00	0.64	0.66	0.64	0.66
1985	7	0	0	2.93	0.00	0.00	0.00	0.00	0.00	0.00
1985	8	0	0	1.45	0.00	0.00	0.00	0.00	0.00	0.00
1985	9	0	0	0.20	0.00	0.00	0.00	0.00	0.00	0.00
1985	10	0	0	3.41	0.00	0.00	0.00	0.00	0.00	0.00
1985	11	0	0	20.38	0.00	0.00	0.00	0.00	0.00	0.00
1985	12	0	0	17.56	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	1	0	0	8.98	0.00	0.00	0.00	0.00	0.00	0.00
1986	2	0	0	15.87	0.00	0.00	0.00	0.00	0.00	0.00
1986	3	0	0	3.10	0.00	0.00	0.00	0.00	0.00	0.00
1986	4	0	0	64.33	0.00	0.00	0.00	0.00	0.00	0.00
1986	5	0	0	82.12	0.00	0.00	0.00	0.00	0.00	0.00
1986	6	0	0	16.54	0.00	0.00	0.00	0.00	0.00	0.00
1986	7	0	0	3.37	0.00	0.00	0.00	0.00	0.00	0.00
1986	8	0	0	0.28	0.00	0.00	0.00	0.00	0.00	0.00
1986	9	0	0	2.98	0.00	0.00	0.00	0.00	0.00	0.00
1986	10	0	0	16.65	0.00	0.00	0.00	0.00	0.00	0.00
1986	11	0	0	7.02	0.00	0.00	0.00	0.00	0.00	0.00
1986	12	0	0	10.08	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
1987	1	0	0	3.21	0.00	0.00	0.00	0.00	0.00	0.00
1987	2	0	0	2.84	0.00	0.00	0.00	0.00	0.00	0.00
1987	3	0	0	4.18	0.00	0.00	0.00	0.00	0.00	0.00
1987	4	0	0	26.19	0.00	0.00	0.00	0.00	0.00	0.00
1987	5	0	0	70.43	0.00	0.00	0.00	0.00	0.00	0.00
1987	6	0	0	119.04	0.00	0.00	0.03	0.02	0.03	0.02
1987	7	0	0	10.53	0.00	0.00	0.00	0.00	0.00	0.00
1987	8	0	0	16.71	0.00	0.00	0.00	0.00	0.00	0.00
1987	9	0	0	5.87	0.00	0.00	0.00	0.00	0.00	0.00
1987	10	12	0	6.39	0.00	0.00	0.00	0.00	0.00	0.00
1987	11	0	0	0.15	0.00	0.00	0.00	0.00	0.00	0.00
1987	12	0	0	6.83	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
1988	1	0	0	4.37	0.00	0.00	0.00	0.00	0.00	0.00
1988	2	0	0	4.19	0.00	0.00	0.00	0.00	0.00	0.00
1988	3	0	0	7.60	0.00	0.00	0.00	0.00	0.00	0.00
1988	4	0	0	47.93	0.00	0.00	0.00	0.00	0.00	0.00
1988	5	0	0	82.63	0.00	0.00	0.00	0.00	0.00	0.00
1988	6	0	0	24.53	0.00	0.00	0.00	0.00	0.00	0.00
1988	7	0	0	0.79	0.00	0.00	0.00	0.00	0.00	0.00
1988	8	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1988	9	0	0	22.11	0.00	0.00	0.00	0.00	0.00	0.00
1988	10	0	0	61.84	0.00	0.00	0.00	0.00	0.00	0.00
1988	11	0	0	9.55	0.00	0.00	0.00	0.00	0.00	0.00
1988	12	0	0	24.72	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
1989	1	0	0	53.56	0.00	0.00	0.00	0.00	0.00	0.00
1989	2	0	0	91.50	0.00	0.00	0.00	0.00	0.00	0.00
1989	3	0	0	44.38	0.00	0.00	0.00	0.00	0.00	0.00
1989	4	0	0	67.74	0.00	0.00	0.00	0.00	0.00	0.00
1989	5	0	0	141.94	0.00	0.00	0.00	0.00	0.00	0.00
1989	6	0	0	137.08	0.00	0.00	2.32	1.69	2.32	1.69
1989	7	0	0	30.18	0.00	0.00	0.00	0.00	0.00	0.00
1989	8	0	0	3.17	0.00	0.00	0.00	0.00	0.00	0.00
1989	9	0	0	1.44	0.00	0.00	0.00	0.00	0.00	0.00
1989	10	31	0	3.77	0.00	0.00	0.00	0.00	0.00	0.00
1989	11	30	0	31.10	0.00	0.00	0.00	0.00	0.00	0.00
1989	12	31	0	26.85	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
1990	1	31	0	13.25	0.00	0.00	0.00	0.00	0.00	0.00
1990	2	21	0	9.23	0.00	0.00	0.00	0.00	0.00	0.00
1990	3	31	0	47.32	0.00	0.00	0.00	0.00	0.00	0.00
1990	4	30	3	88.05	3.99	4.53	0.01	0.01	3.99	4.54
1990	5	31	1	63.02	1.91	3.03	0.00	0.00	1.91	3.03
1990	6	30	14	34.52	22.12	64.08	0.00	0.00	22.12	64.08
1990	7	17	10	7.73	3.39	43.87	0.00	0.00	3.39	43.87
1990	8	0	0	1.67	0.00	0.00	0.00	0.00	0.00	0.00
1990	9	0	0	7.03	0.00	0.00	0.00	0.00	0.00	0.00
1990	10	31	0	4.95	0.00	0.00	0.00	0.00	0.00	0.00
1990	11	30	0	28.57	0.00	0.00	0.00	0.00	0.00	0.00
1990	12	31	0	47.10	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	1	20	0	8.44	0.00	0.00	0.00	0.00	0.00	0.00
1991	2	11	1	16.52	0.61	3.71	0.00	0.00	0.61	3.71
1991	3	0	0	24.05	0.00	0.00	0.00	0.00	0.00	0.00
1991	4	0	0	2.32	0.00	0.00	0.00	0.00	0.00	0.00
1991	5	0	0	31.20	0.00	0.00	0.00	0.00	0.00	0.00
1991	6	0	0	5.20	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	0.96	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	0	0	1.97	0.00	0.00	0.00	0.00	0.00	0.00
1991	10	0	0	2.62	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	0	0	13.07	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	0	0	25.14	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	1	0	0	22.49	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	0	0	7.98	0.00	0.00	0.00	0.00	0.00	0.00
1992	3	0	0	12.26	0.00	0.00	0.00	0.00	0.00	0.00
1992	4	0	0	6.03	0.00	0.00	0.00	0.00	0.00	0.00
1992	5	0	0	93.68	0.00	0.00	0.00	0.00	0.00	0.00
1992	6	0	0	11.63	0.00	0.00	0.00	0.00	0.00	0.00
1992	7	0	0	6.86	0.00	0.00	0.00	0.00	0.00	0.00
1992	8	0	0	1.42	0.00	0.00	0.00	0.00	0.00	0.00
1992	9	0	0	1.33	0.00	0.00	0.00	0.00	0.00	0.00
1992	10	0	0	28.69	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0	0	26.93	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	0	0	35.26	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	1	0	0	1.98	0.00	0.00	0.00	0.00	0.00	0.00
1993	2	0	0	4.19	0.00	0.00	0.00	0.00	0.00	0.00
1993	3	0	0	10.30	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0	0	15.95	0.00	0.00	0.00	0.00	0.00	0.00
1993	5	0	0	103.92	0.00	0.00	0.00	0.00	0.00	0.00
1993	6	0	0	36.75	0.00	0.00	0.00	0.00	0.00	0.00
1993	7	0	0	18.07	0.00	0.00	0.00	0.00	0.00	0.00
1993	8	0	0	36.57	0.00	0.00	0.00	0.00	0.00	0.00
1993	9	0	0	1.65	0.00	0.00	0.00	0.00	0.00	0.00
1993	10	0	0	1.02	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	0	0	12.26	0.00	0.00	0.00	0.00	0.00	0.00
1993	12	0	0	31.13	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
1994	1	0	0	4.32	0.00	0.00	0.00	0.00	0.00	0.00
1994	2	0	0	2.85	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0	0	17.31	0.00	0.00	0.00	0.00	0.00	0.00
1994	4	0	0	25.63	0.00	0.00	0.00	0.00	0.00	0.00
1994	5	0	0	52.44	0.00	0.00	0.00	0.00	0.00	0.00
1994	6	0	0	2.03	0.00	0.00	0.00	0.00	0.00	0.00
1994	7	0	0	4.86	0.00	0.00	0.00	0.00	0.00	0.00
1994	8	0	0	0.03	0.00	0.00	0.00	0.00	0.00	0.00
1994	9	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	10	0	0	8.47	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	0	0	6.48	0.00	0.00	0.00	0.00	0.00	0.00
1994	12	0	0	4.76	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	1	0	0	4.26	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	0	0	3.49	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	0	0	17.89	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0	0	40.34	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0	0	45.51	0.00	0.00	0.00	0.00	0.00	0.00
1995	6	0	0	17.20	0.00	0.00	0.00	0.00	0.00	0.00
1995	7	0	0	14.39	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	0	0	7.99	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	0	0	1.61	0.00	0.00	0.00	0.00	0.00	0.00
1995	10	0	0	4.86	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	0	0	8.76	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	0	0	10.58	0.00	0.00	0.00	0.00	0.00	0.00

Annual Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

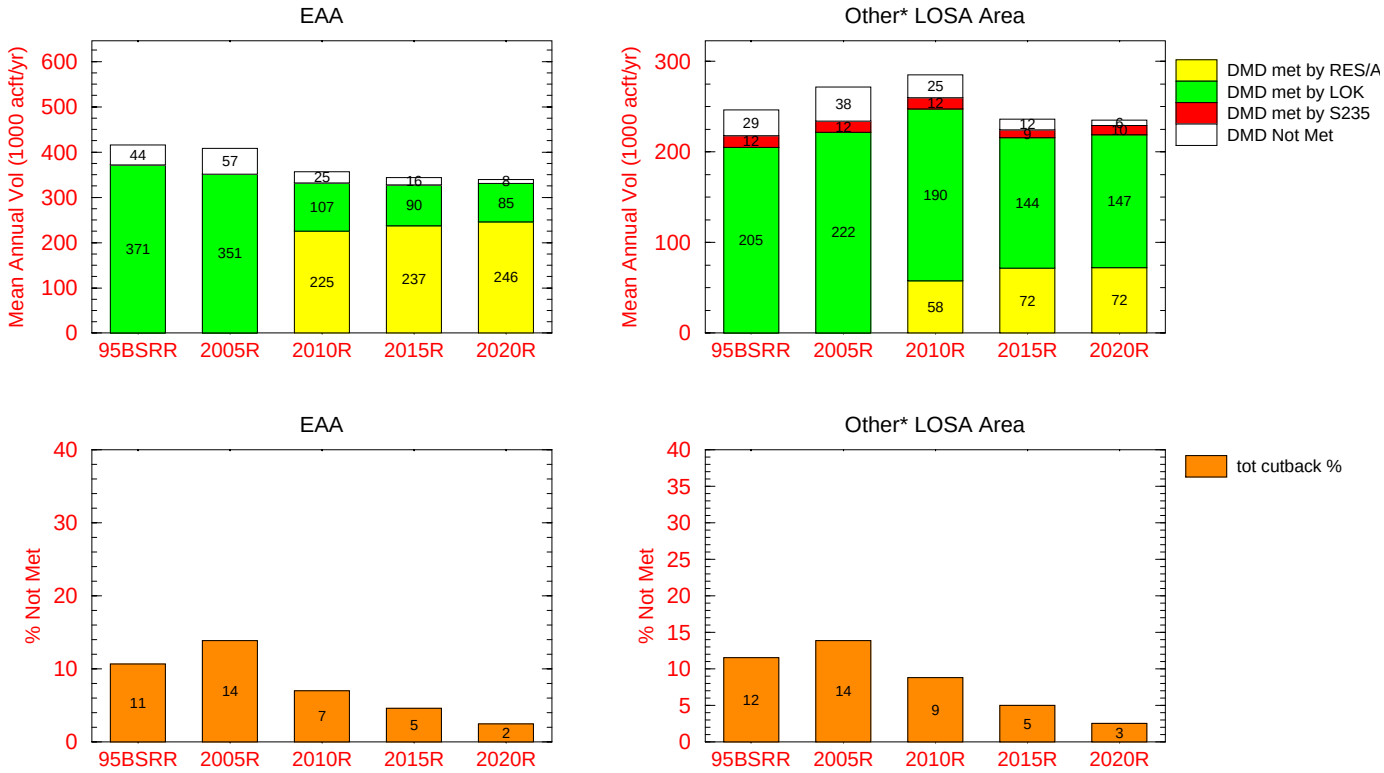
Run:
SFWMM v3.7 − 2020R (LEC2020 Plan)

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

Year	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1965	3	0	467.65	0.00	0.00	0.66	0.14	0.66	0.14
1966	0	0	135.61	0.00	0.00	0.00	0.00	0.00	0.00
1967	11	0	419.59	0.00	0.00	0.68	0.16	0.68	0.16
1968	0	0	214.05	0.00	0.00	0.00	0.00	0.00	0.00
1969	0	0	87.26	0.00	0.00	0.00	0.00	0.00	0.00
1970	0	0	184.35	0.00	0.00	0.00	0.00	0.00	0.00
1971	0	0	512.26	0.00	0.00	0.00	0.00	0.00	0.00
1972	0	0	203.72	0.00	0.00	0.00	0.00	0.00	0.00
1973	0	0	152.02	0.00	0.00	0.00	0.00	0.00	0.00
1974	35	5	422.19	1.84	0.44	0.01	0.00	1.85	0.44
1975	0	0	385.93	0.00	0.00	0.00	0.00	0.00	0.00
1976	57	3	317.71	4.76	1.50	0.02	0.01	4.78	1.50
1977	67	8	302.10	5.13	1.70	0.00	0.00	5.13	1.70
1978	0	0	90.45	0.00	0.00	0.00	0.00	0.00	0.00
1979	0	0	263.75	0.00	0.00	0.33	0.13	0.33	0.13
1980	0	0	229.43	0.00	0.00	0.00	0.00	0.00	0.00
1981	251	124	755.86	297.24	39.32	0.16	0.02	297.40	39.35
1982	172	124	208.04	92.49	44.46	0.00	0.00	92.49	44.46
1983	0	0	143.00	0.00	0.00	0.00	0.00	0.00	0.00
1984	0	0	162.34	0.00	0.00	0.00	0.00	0.00	0.00
1985	0	0	363.57	0.00	0.00	0.64	0.18	0.64	0.18
1986	0	0	231.32	0.00	0.00	0.00	0.00	0.00	0.00
1987	12	0	272.37	0.00	0.00	0.03	0.01	0.03	0.01
1988	0	0	291.34	0.00	0.00	0.00	0.00	0.00	0.00
1989	92	0	632.70	0.00	0.00	2.32	0.37	2.32	0.37
1990	283	28	352.42	31.41	8.91	0.01	0.00	31.41	8.91
1991	31	1	131.49	0.61	0.47	0.00	0.00	0.61	0.47
1992	0	0	254.55	0.00	0.00	0.00	0.00	0.00	0.00
1993	0	0	273.79	0.00	0.00	0.00	0.00	0.00	0.00
1994	0	0	129.19	0.00	0.00	0.00	0.00	0.00	0.00
1995	0	0	176.87	0.00	0.00	0.00	0.00	0.00	0.00

Mean Annual EAA/LOSA Supplemental Irrigation: Demands and Demands Not Met

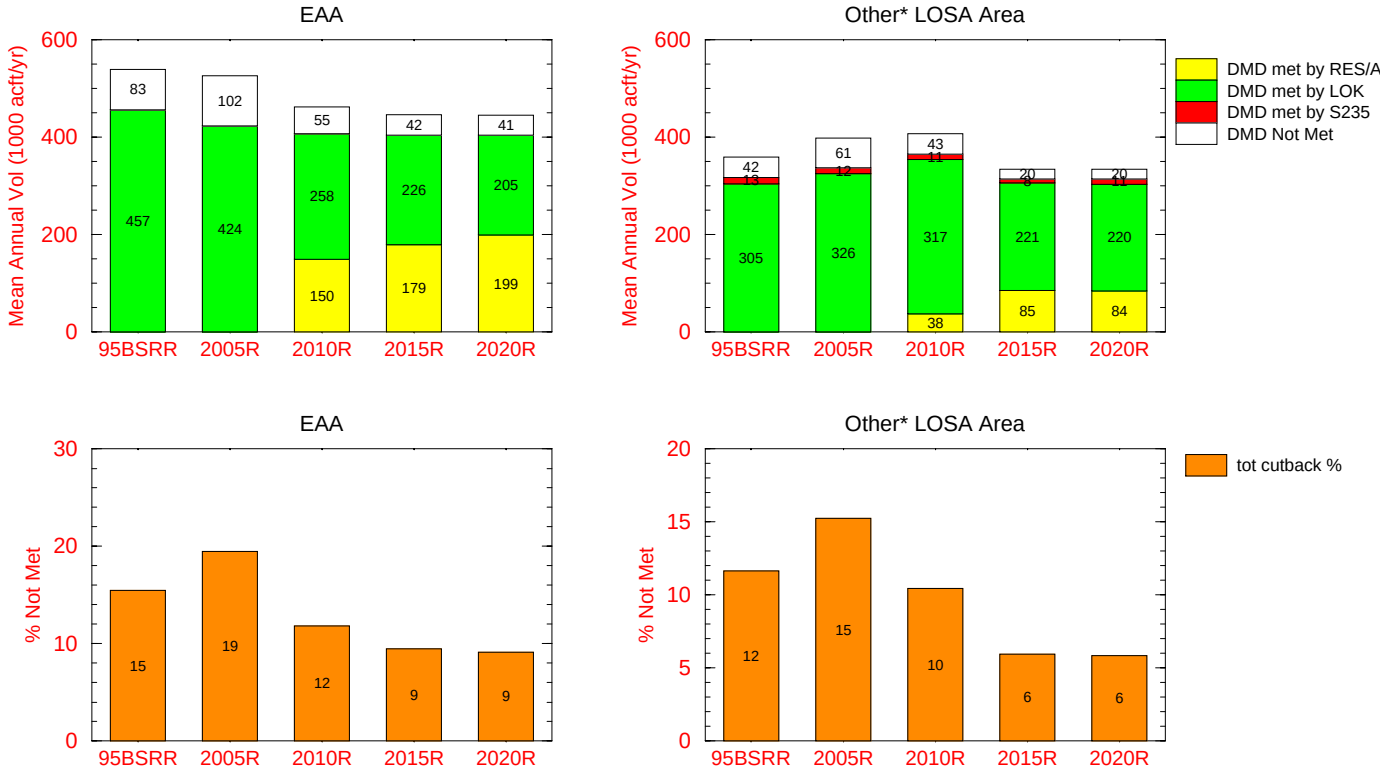
for the 1965 - 1995 Simulation Period



*Other Lake Service SubAreas (S236, S4, L8, C43, C44, and Seminole Indians (Brighton & Big Cypress)).

Run date: 03/14/00 06:04:23
For Planning Purposes Only
SFWMM V3.7
Script used: ssm_4in1.scr
losa_4in1.fig

Mean Annual EAA/LOSA Supplemental Irrigation:
Demands and Demands Not Met for the Drought Years:
1971, 1975, 1981, 1985, 1989 within the 1965 - 1995 Simulation Period



*Other Lake Service SubAreas (S236, S4, L8, C43, C44, and Seminole Indians (Brighton & Big Cypress)).

Run date: 03/14/00 06:08:18
For Planning Purposes Only
SFWMM V3.7
Script used: ssm_4in1_drought.scr
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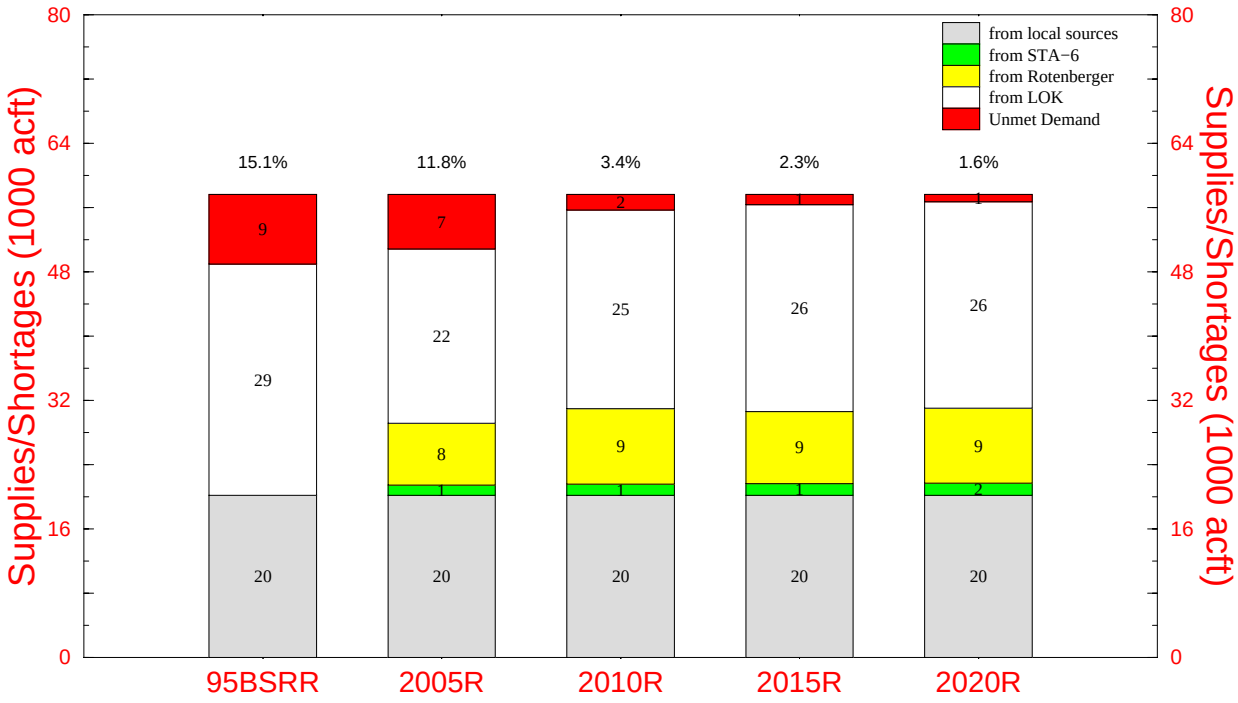
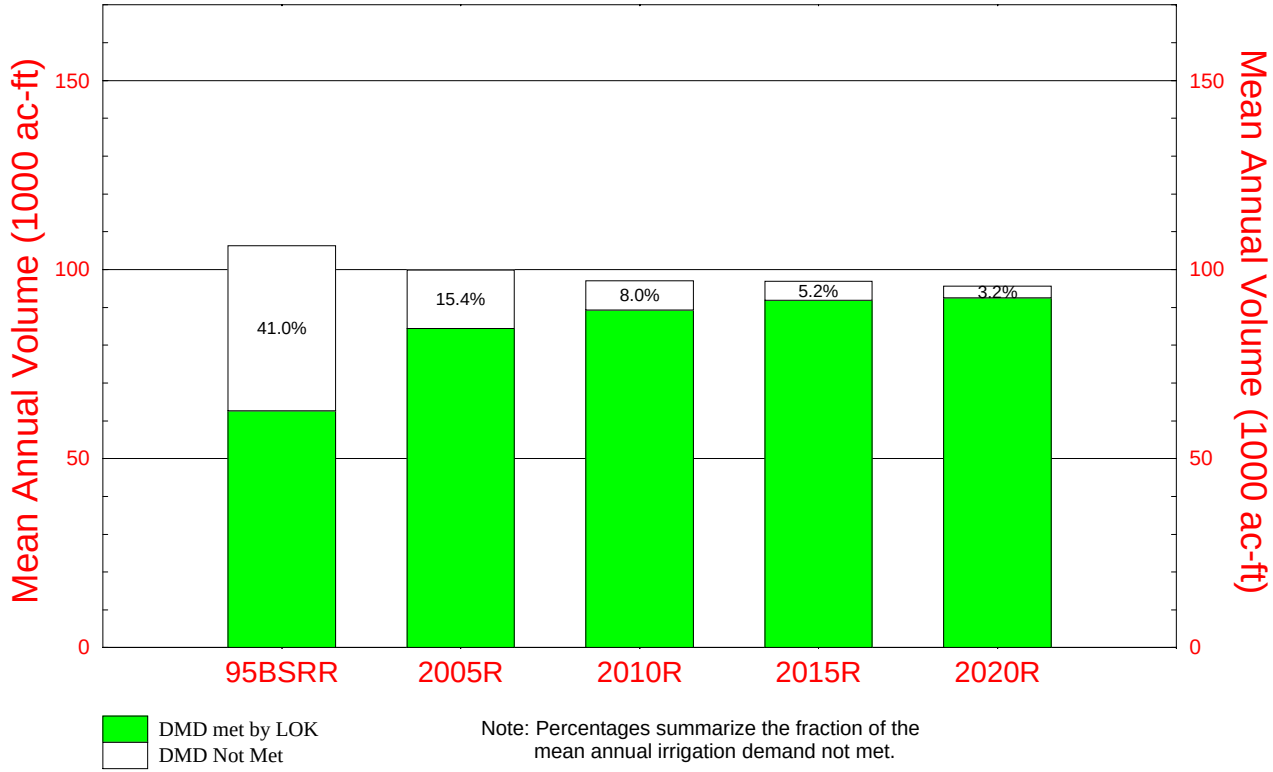
Annual Average (1965 − 1995) Irrigation Supplies and Shortages for the Seminole Tribe − Big Cypress Reservation



Note: The data on top of each bar represents the percentage of Unmet demand.

Run date: 03/16/00 11:09:18
For Planning Purposes Only
SFWMM V3.7

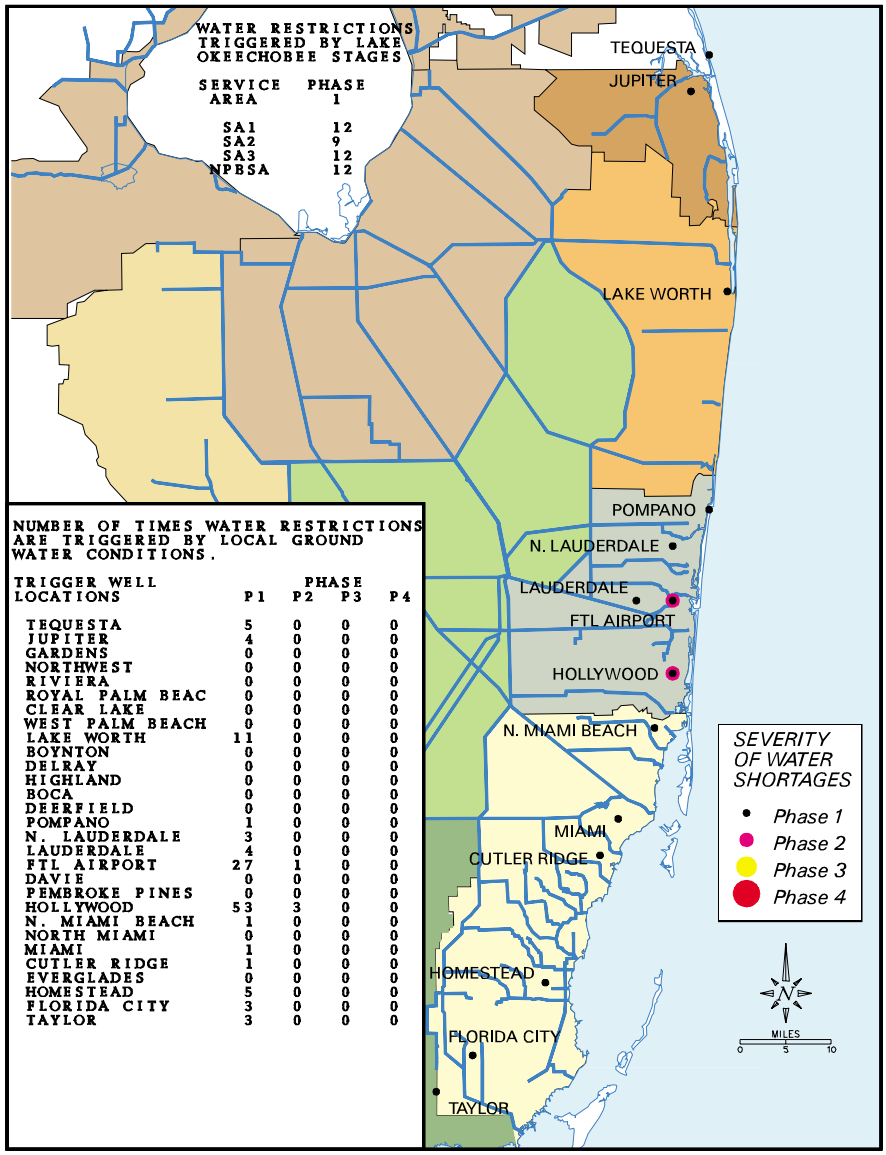
S236, S4, L8 and Seminole Indians (Brighton & Big Cypress)*
Mean Annual Supplemental Irrigation: Demands and Demands Not Met
for the 1965 - 1995 Simulation Period



Note: Percentages summarize the fraction of the mean annual irrigation demand not met.

*Part of Other Lake Okeechobee Service SubAreas

Run date: 03/14/00 07:44:15
For Planning Purposes Only
SFWMM V3.7

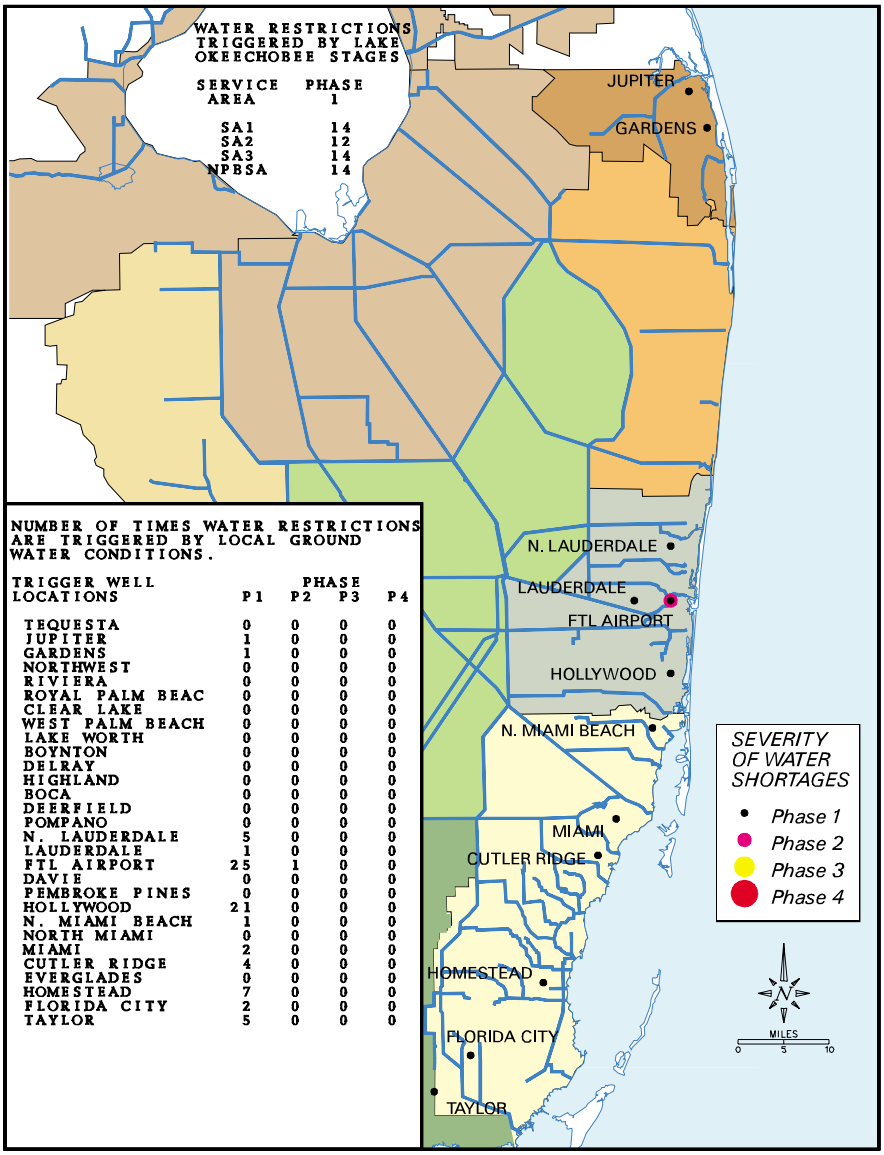


NUMBER OF TIMES WATER RESTRICTIONS ARE TRIGGERED BY LOCAL GROUND WATER CONDITIONS.

TRIGGER WELL LOCATIONS	PHASE P1	P2	P3	P4
TEQUESTA	5	0	0	0
JUPITER	4	0	0	0
GARDENS	0	0	0	0
NORTHWEST	0	0	0	0
RIVIERA	0	0	0	0
ROYAL PALM BEAC	0	0	0	0
CLEAR LAKE	0	0	0	0
WEST PALM BEACH	0	0	0	0
LAKE WORTH	11	0	0	0
BOYNTON	0	0	0	0
DELRAY	0	0	0	0
HIGHLAND	0	0	0	0
BOCA	0	0	0	0
DEERFIELD	0	0	0	0
POMPANO	1	0	0	0
N. LAUDERDALE	3	0	0	0
LAUDERDALE	4	0	0	0
FTL AIRPORT	27	1	0	0
DAVIE	0	0	0	0
PEMBROKE PINES	0	0	0	0
HOLLYWOOD	53	3	0	0
N. MIAMI BEACH	1	0	0	0
NORTH MIAMI	0	0	0	0
MIAMI	1	0	0	0
CUTLER RIDGE	1	0	0	0
EVERGLADES	0	0	0	0
HOMESTEAD	5	0	0	0
FLORIDA CITY	3	0	0	0
TAYLOR	3	0	0	0

Frequency & Severity of Water Restriction Triggers for

SFWMM v3.7 - 95BSRR (LEC2020)

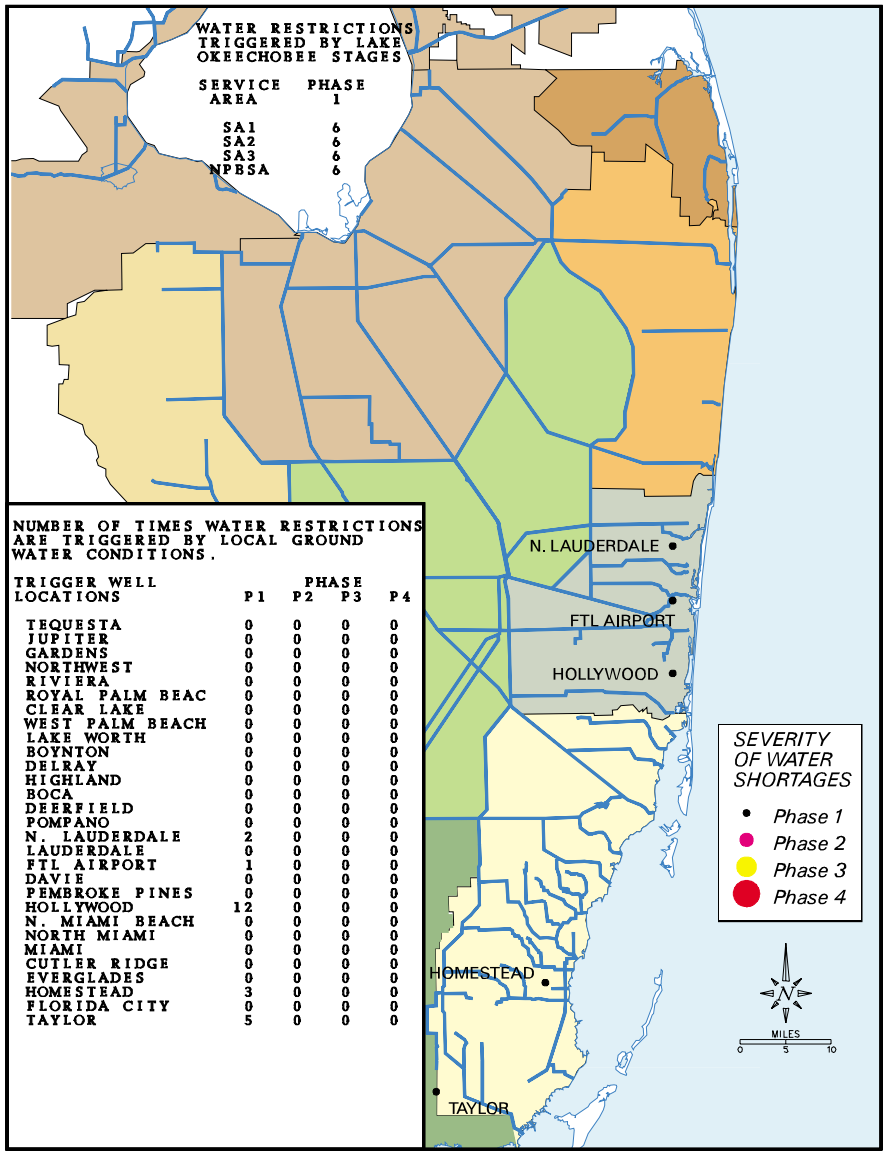


NUMBER OF TIMES WATER RESTRICTIONS ARE TRIGGERED BY LOCAL GROUND WATER CONDITIONS.

TRIGGER WELL LOCATIONS	PHASE P1	P2	P3	P4
TEQUESTA	0	0	0	0
JUPITER	1	0	0	0
GARDENS	1	0	0	0
NORTHWEST	0	0	0	0
RIVIERA	0	0	0	0
ROYAL PALM BEAC	0	0	0	0
CLEAR LAKE	0	0	0	0
WEST PALM BEACH	0	0	0	0
LAKE WORTH	0	0	0	0
BOYNTON	0	0	0	0
DELRAY	0	0	0	0
HIGHLAND	0	0	0	0
BOCA	0	0	0	0
DEERFIELD	0	0	0	0
POMPANO	0	0	0	0
N. LAUDERDALE	5	0	0	0
LAUDERDALE	1	0	0	0
FTL AIRPORT	25	1	0	0
DAVIE	0	0	0	0
PEMBROKE PINES	0	0	0	0
HOLLYWOOD	21	0	0	0
N. MIAMI BEACH	1	0	0	0
NORTH MIAMI	0	0	0	0
MIAMI	2	0	0	0
CUTLER RIDGE	4	0	0	0
EVERGLADES	0	0	0	0
HOMESTEAD	7	0	0	0
FLORIDA CITY	2	0	0	0
TAYLOR	5	0	0	0

Frequency & Severity of Water Restriction Triggers for

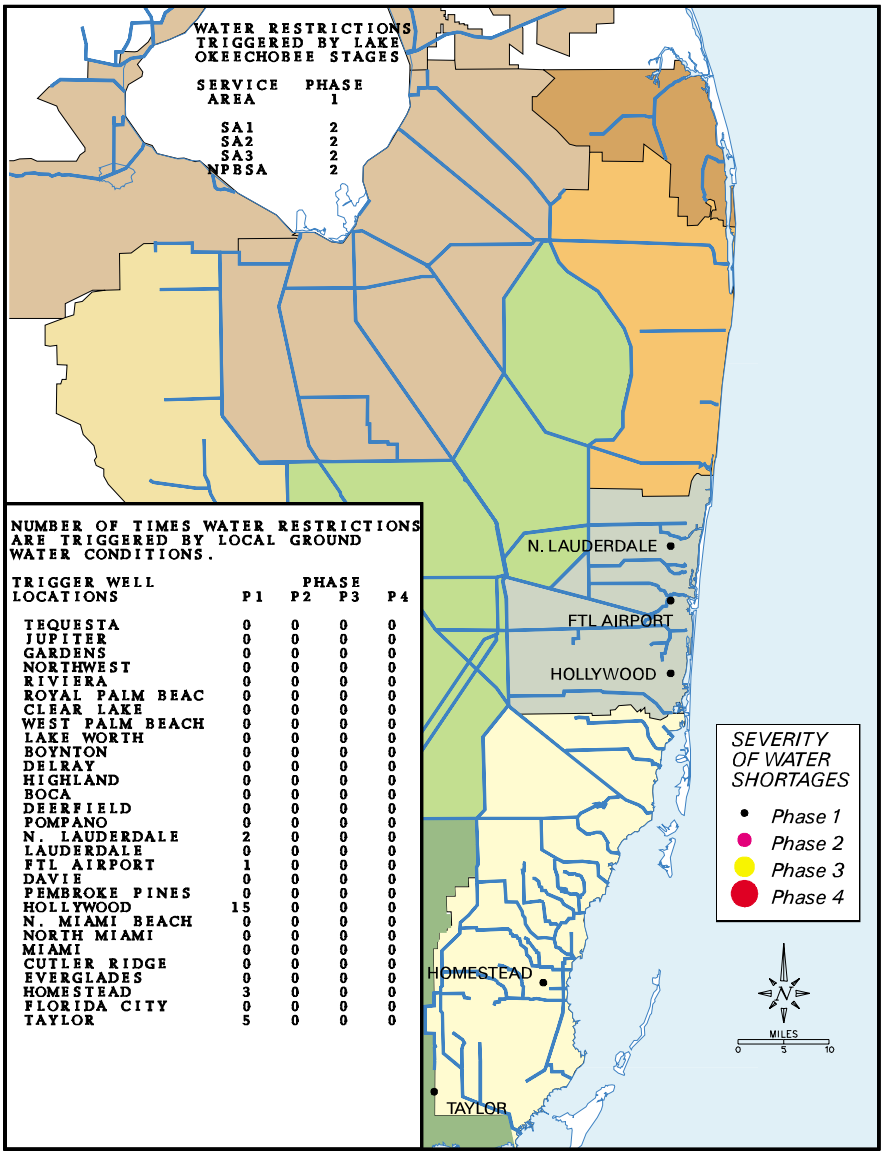
SFWMM v3.7 - 2005R (LEC2020)



TRIGGER WELL LOCATIONS	PHASE P1	P2	P3	P4
TEQUESTA	0	0	0	0
JUPITER	0	0	0	0
GARDENS	0	0	0	0
NORTHWEST	0	0	0	0
RIVIERA	0	0	0	0
ROYAL PALM BEAC	0	0	0	0
CLEAR LAKE	0	0	0	0
WEST PALM BEACH	0	0	0	0
LAKE WORTH	0	0	0	0
BOYNTON	0	0	0	0
DELRAY	0	0	0	0
HIGHLAND	0	0	0	0
BOCA	0	0	0	0
DEERFIELD	0	0	0	0
POMPANO	0	0	0	0
N. LAUDERDALE	2	0	0	0
LAUDERDALE	0	0	0	0
FTL AIRPORT	1	0	0	0
DAVIE	0	0	0	0
PEMBROKE PINES	0	0	0	0
HOLLYWOOD	12	0	0	0
N. MIAMI BEACH	0	0	0	0
NORTH MIAMI	0	0	0	0
MIAMI	0	0	0	0
CUTLER RIDGE	0	0	0	0
EVERGLADES	0	0	0	0
HOMESTEAD	3	0	0	0
FLORIDA CITY	0	0	0	0
TAYLOR	5	0	0	0

Frequency & Severity of Water Restriction Triggers for

SFWMM v3.7 - 2010R (LEC2020)

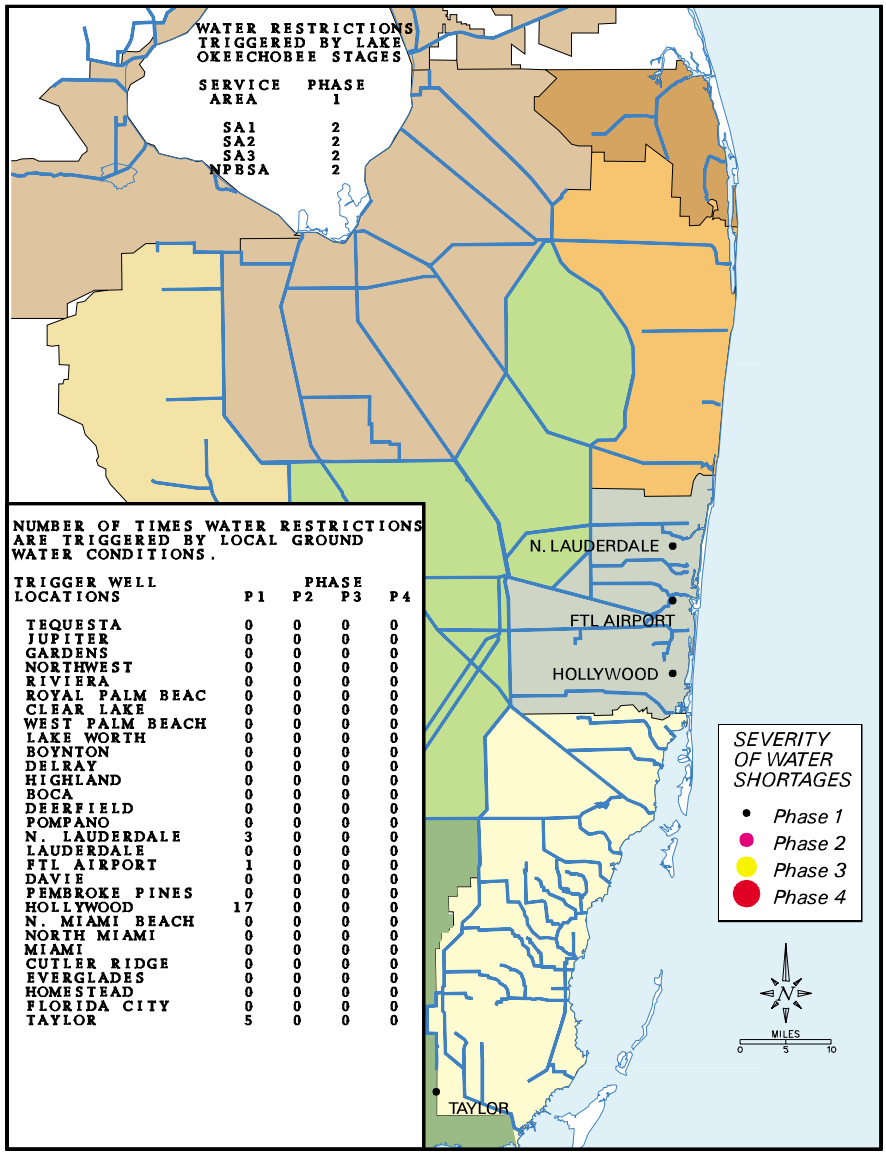


NUMBER OF TIMES WATER RESTRICTIONS ARE TRIGGERED BY LOCAL GROUND WATER CONDITIONS.

TRIGGER WELL LOCATIONS	PHASE P1	P2	P3	P4
TEQUESTA	0	0	0	0
JUPITER	0	0	0	0
GARDENS	0	0	0	0
NORTHWEST	0	0	0	0
RIVIERA	0	0	0	0
ROYAL PALM BEAC	0	0	0	0
CLEAR LAKE	0	0	0	0
WEST PALM BEACH	0	0	0	0
LAKE WORTH	0	0	0	0
BOYNTON	0	0	0	0
DELRAY	0	0	0	0
HIGHLAND	0	0	0	0
BOCA	0	0	0	0
DEERFIELD	0	0	0	0
POMPANO	0	0	0	0
N. LAUDERDALE	2	0	0	0
LAUDERDALE	0	0	0	0
FTL AIRPORT	1	0	0	0
DAVIE	0	0	0	0
PEMBROKE PINES	0	0	0	0
HOLLYWOOD	15	0	0	0
N. MIAMI BEACH	0	0	0	0
NORTH MIAMI	0	0	0	0
MIAMI	0	0	0	0
CUTLER RIDGE	0	0	0	0
EVERGLADES	0	0	0	0
HOMESTEAD	3	0	0	0
FLORIDA CITY	0	0	0	0
TAYLOR	5	0	0	0

Frequency & Severity of Water Restriction Triggers for

SFWMM v3.7 - 2015R (LEC2020)



NUMBER OF TIMES WATER RESTRICTIONS ARE TRIGGERED BY LOCAL GROUND WATER CONDITIONS.

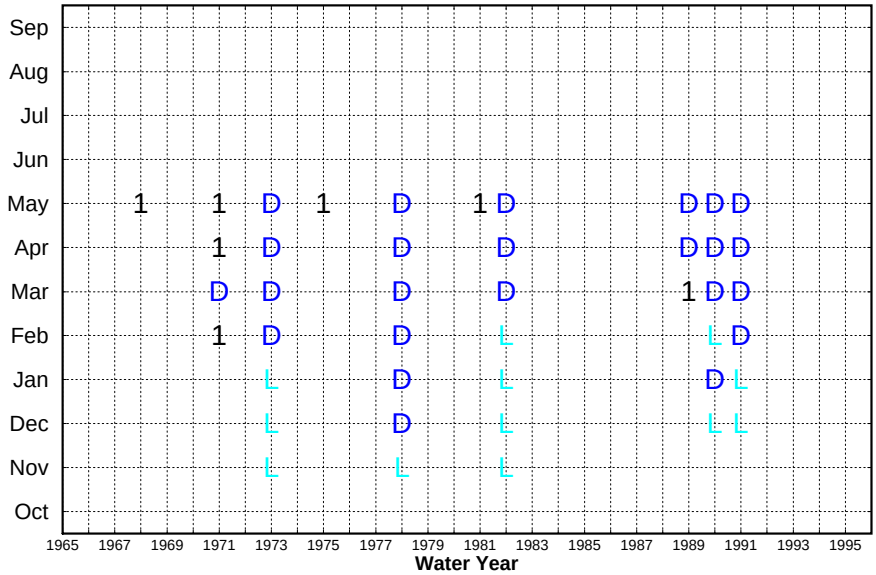
TRIGGER WELL LOCATIONS	PHASE P1	P2	P3	P4
TEQUESTA	0	0	0	0
JUPITER	0	0	0	0
GARDENS	0	0	0	0
NORTHWEST	0	0	0	0
RIVIERA	0	0	0	0
ROYAL PALM BEAC	0	0	0	0
CLEAR LAKE	0	0	0	0
WEST PALM BEACH	0	0	0	0
LAKE WORTH	0	0	0	0
BOYNTON	0	0	0	0
DELRAY	0	0	0	0
HIGHLAND	0	0	0	0
BOCA	0	0	0	0
DEERFIELD	0	0	0	0
POMPANO	0	0	0	0
N. LAUDERDALE	3	0	0	0
LAUDERDALE	0	0	0	0
FTL AIRPORT	1	0	0	0
DAVIE	0	0	0	0
PEMBROKE PINES	0	0	0	0
HOLLYWOOD	17	0	0	0
N. MIAMI BEACH	0	0	0	0
NORTH MIAMI	0	0	0	0
MIAMI	0	0	0	0
CUTLER RIDGE	0	0	0	0
EVERGLADES	0	0	0	0
HOMESTEAD	0	0	0	0
FLORIDA CITY	0	0	0	0
TAYLOR	5	0	0	0

Frequency & Severity of Water Restriction Triggers for

SFWMM v3.7 - LEC_1R (LEC2020 Plan)

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

North Palm Beach County − 95BSRR



Total number of water years with restrictions = 10
Target number of water years with restrictions = 3

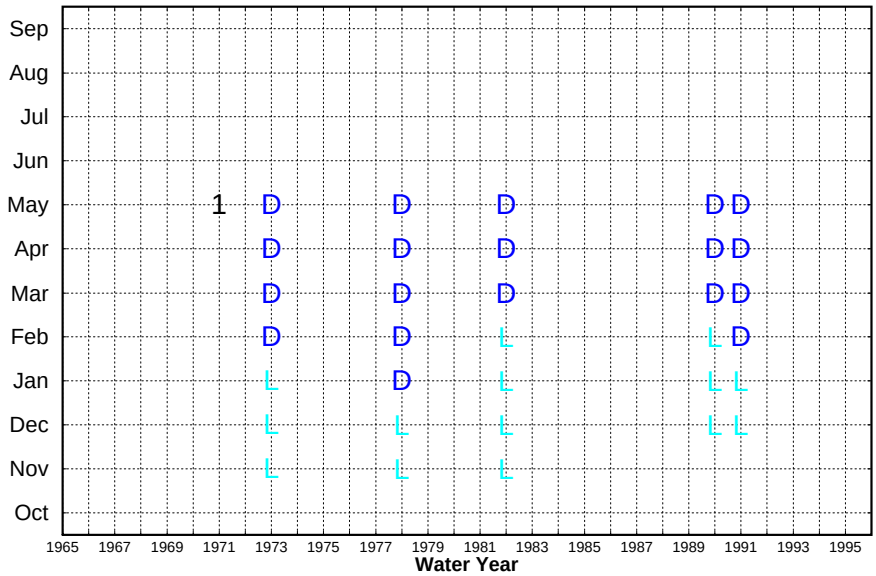
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:50:35
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

North Palm Beach County − 2005R



Total number of water years with restrictions = 6
Target number of water years with restrictions = 3

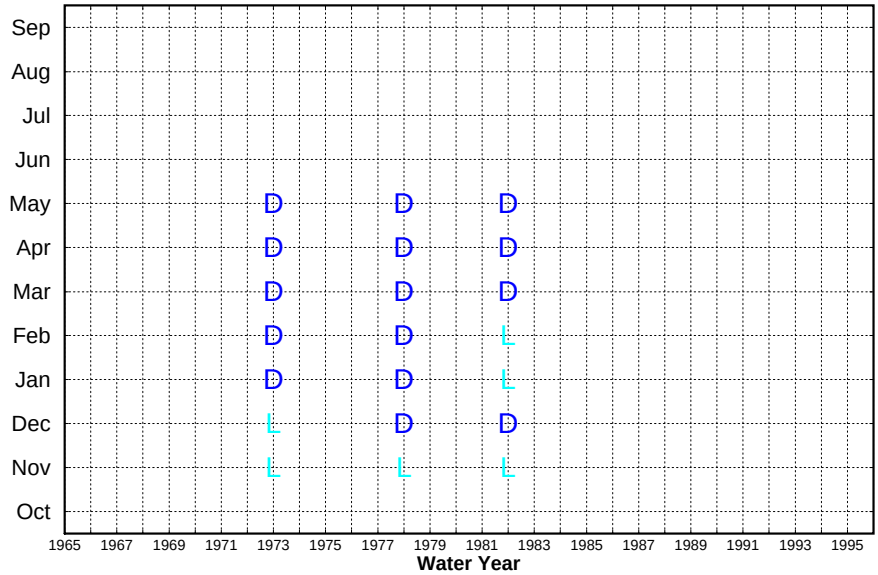
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:50:49
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

North Palm Beach County − 2010R



Total number of water years with restrictions = 3
Target number of water years with restrictions = 3

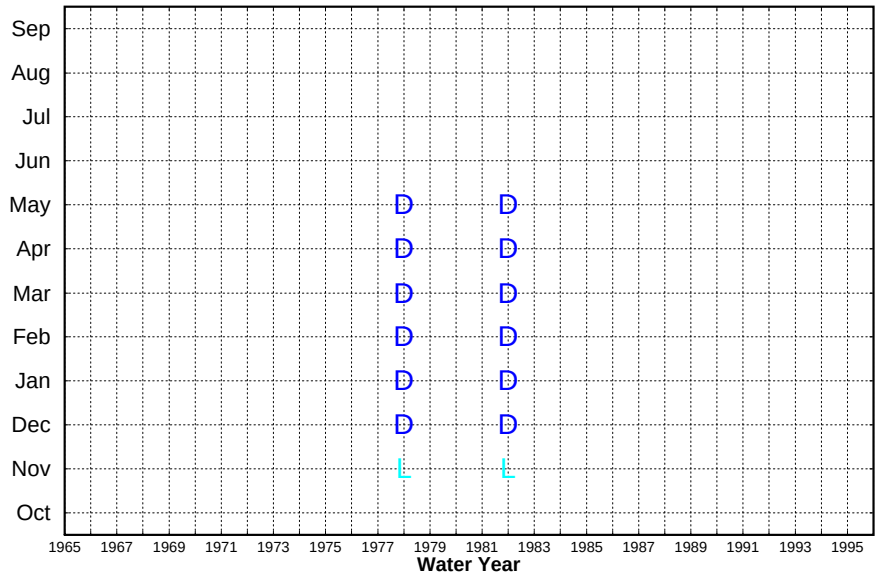
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:51:02
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

North Palm Beach County − 2015R



Total number of water years with restrictions = 2
Target number of water years with restrictions = 3

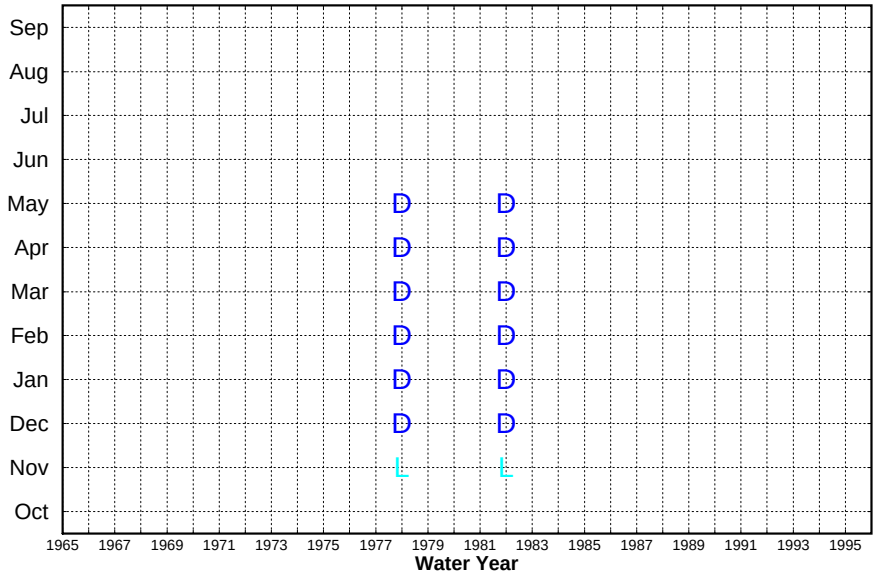
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:51:16
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

North Palm Beach County − 2020R



Total number of water years with restrictions = 2
Target number of water years with restrictions = 3

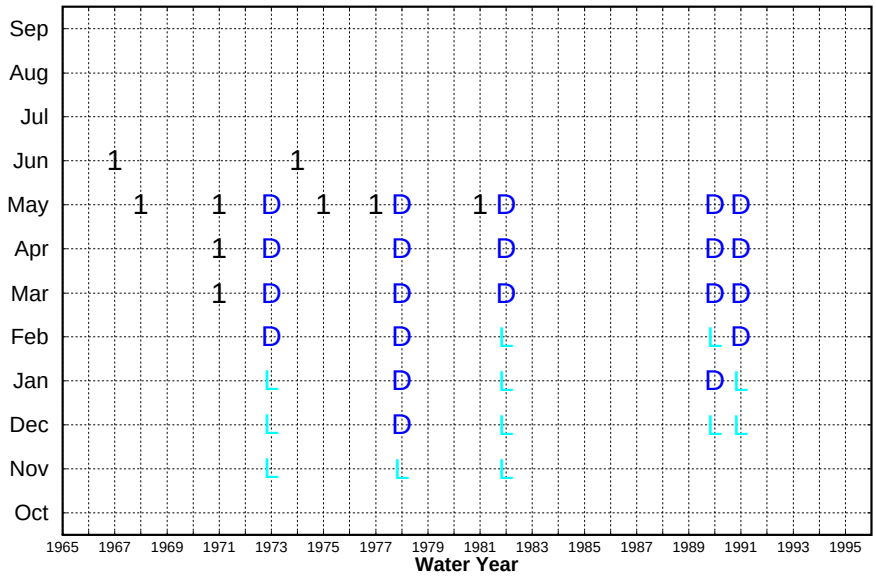
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:51:31
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 1 − 95BSRR



Total number of water years with restrictions = 12
Target number of water years with restrictions = 3

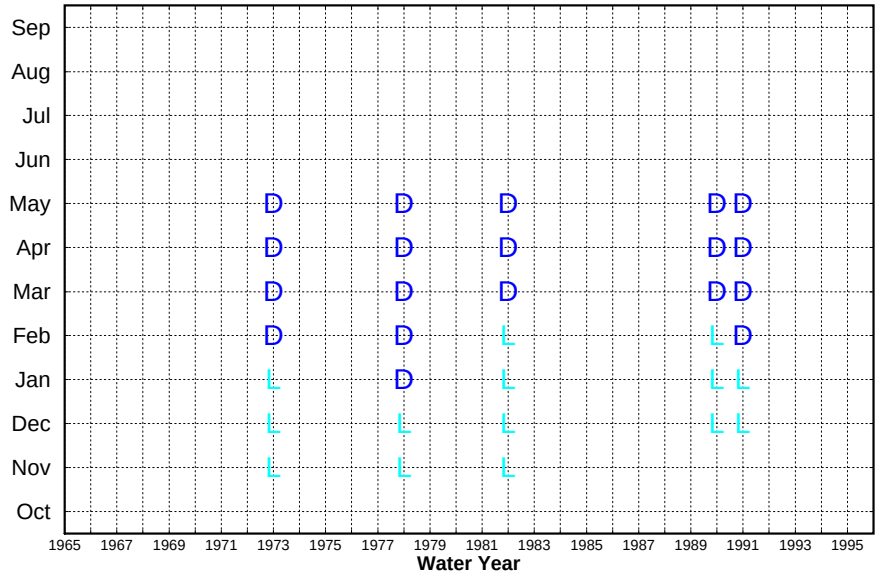
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:50:25
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 1 − 2005R



Total number of water years with restrictions = 5
Target number of water years with restrictions = 3

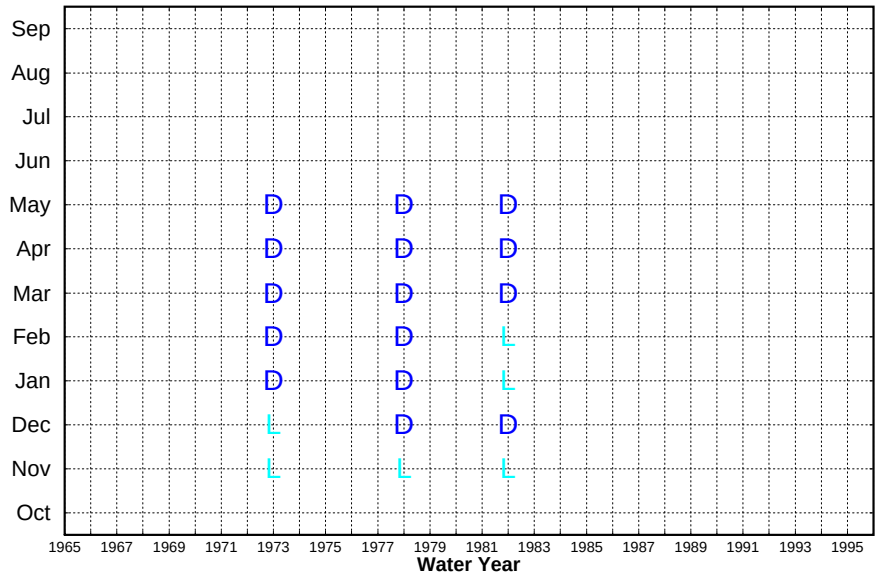
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:50:38
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 1 − 2010R



Total number of water years with restrictions = 3
Target number of water years with restrictions = 3

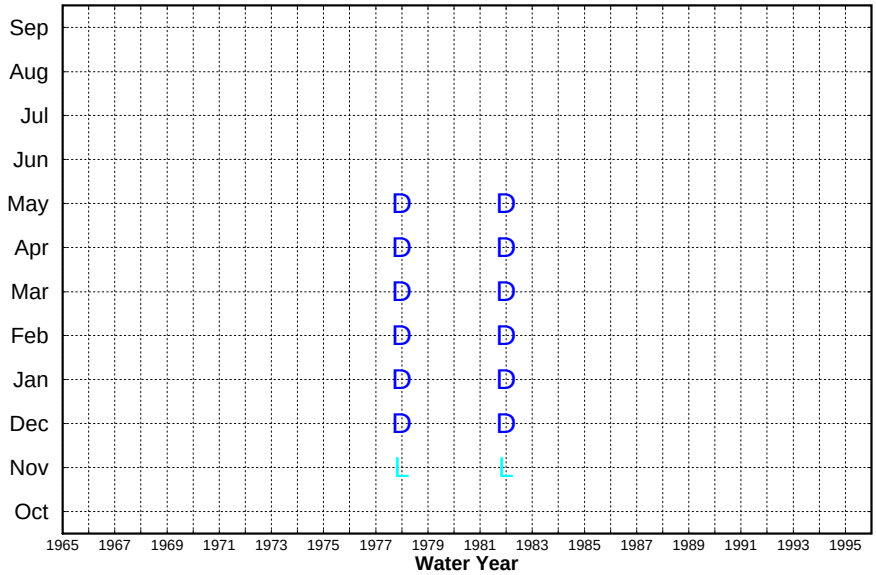
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:50:52
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 1 − 2015R



Total number of water years with restrictions = 2
Target number of water years with restrictions = 3

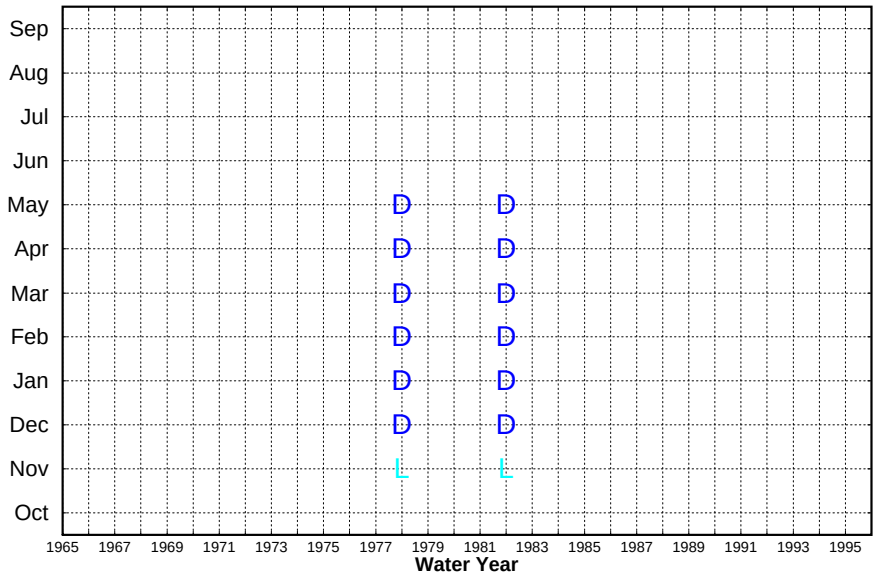
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:51:06
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 1 − 2020R



Total number of water years with restrictions = 2
Target number of water years with restrictions = 3

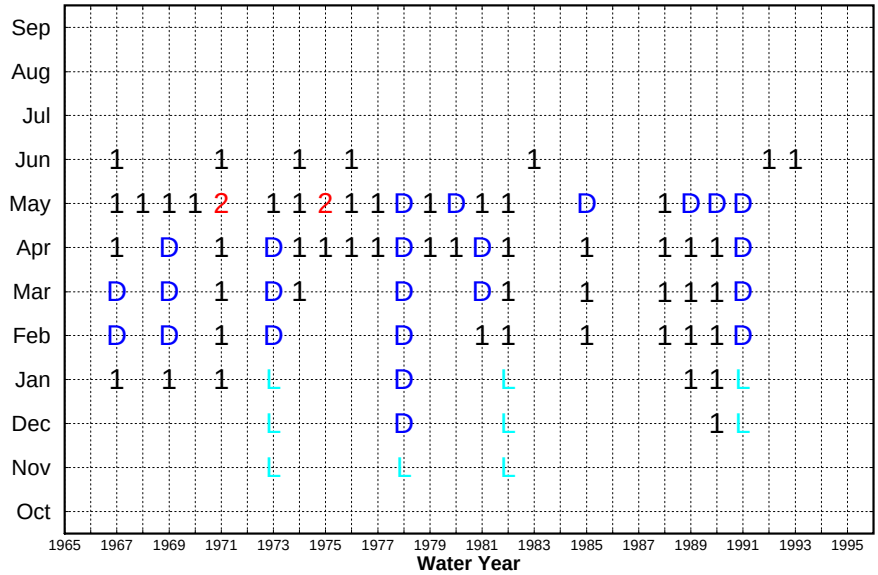
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:51:20
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 2 − 95BSRR



Total number of water years with restrictions = 23
Target number of water years with restrictions = 3

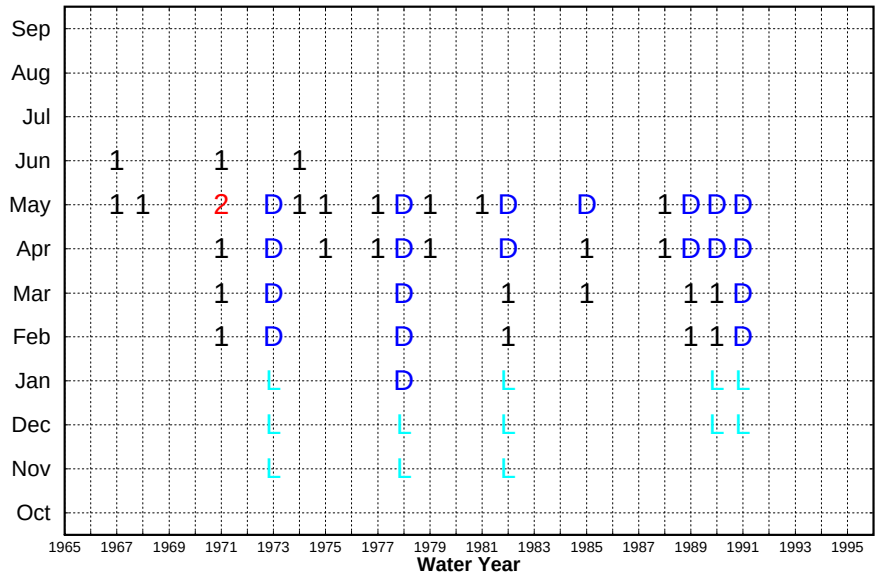
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:50:28
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 2 − 2005R



Total number of water years with restrictions = 16
Target number of water years with restrictions = 3

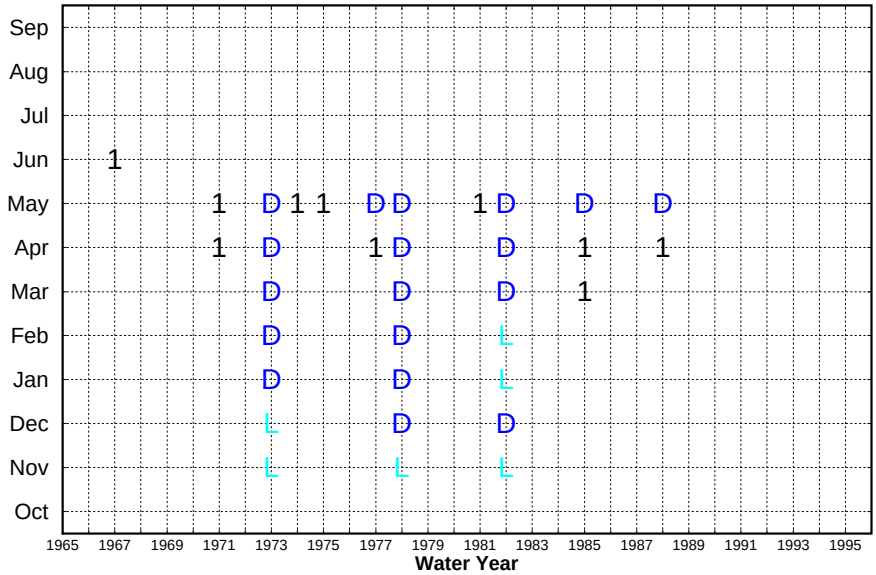
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:50:42
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 2 − 2010R



Total number of water years with restrictions = 11
Target number of water years with restrictions = 3

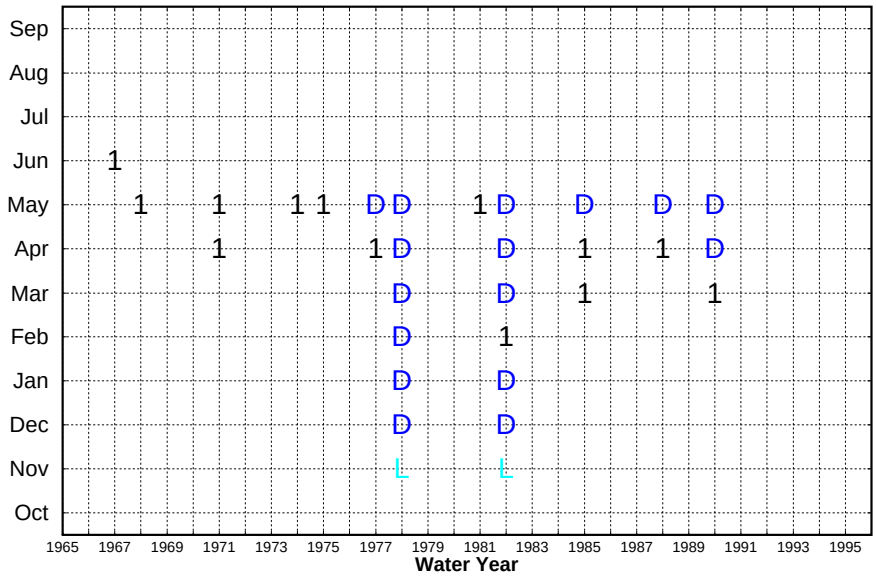
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:50:56
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 2 − 2015R



Total number of water years with restrictions = 12
Target number of water years with restrictions = 3

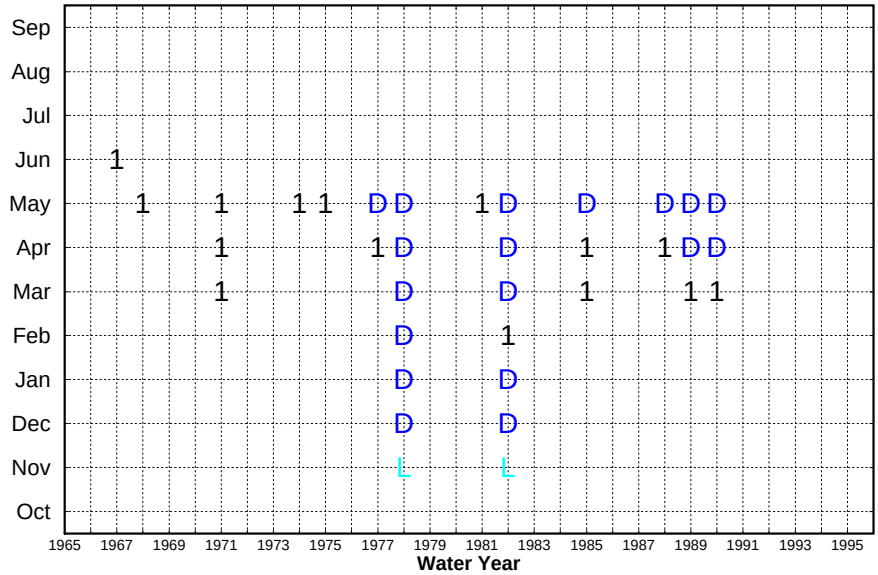
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:51:09
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 2 − 2020R



Total number of water years with restrictions = 13
Target number of water years with restrictions = 3

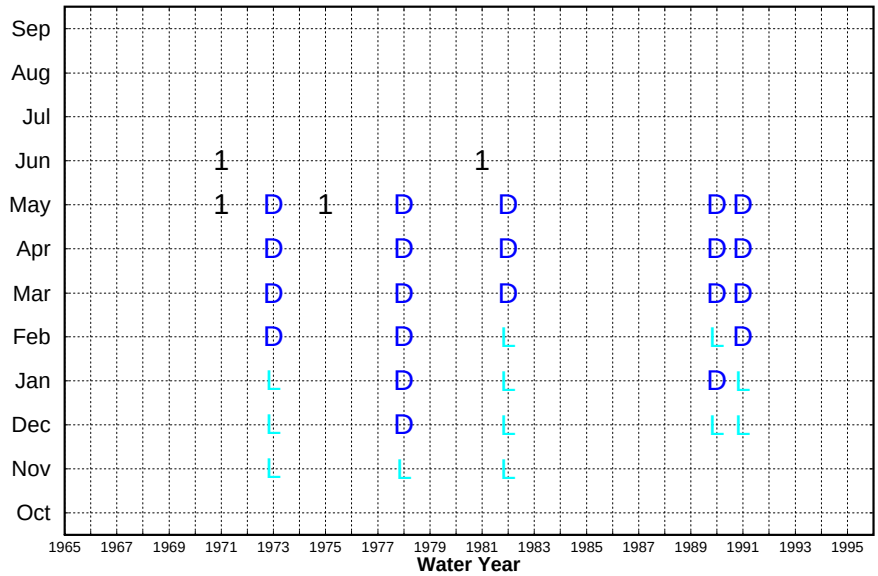
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:51:23
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 3 − 95BSRR



Total number of water years with restrictions = 8
Target number of water years with restrictions = 3

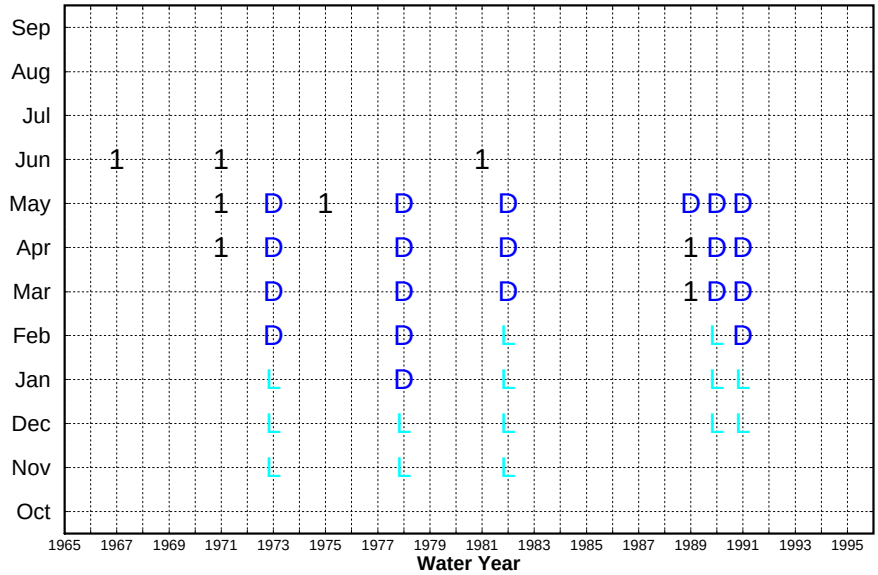
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:50:32
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 3 − 2005R



Total number of water years with restrictions = 10
Target number of water years with restrictions = 3

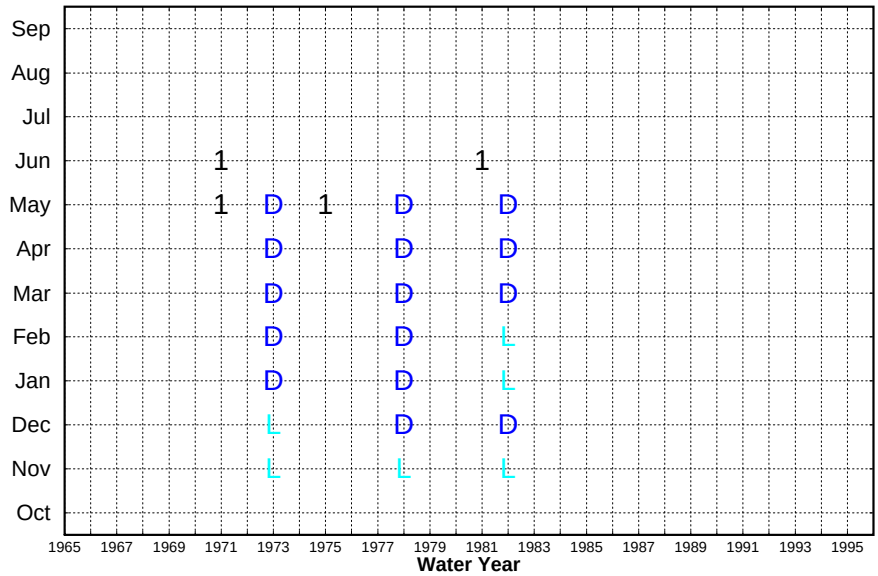
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:50:45
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 3 − 2010R



Total number of water years with restrictions = 6
Target number of water years with restrictions = 3

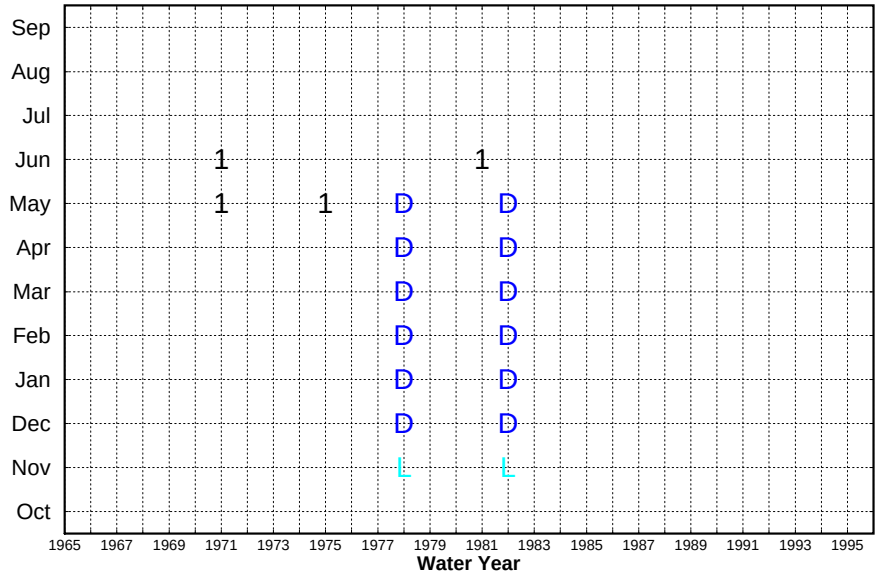
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:50:59
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 3 − 2015R



Total number of water years with restrictions = 5
Target number of water years with restrictions = 3

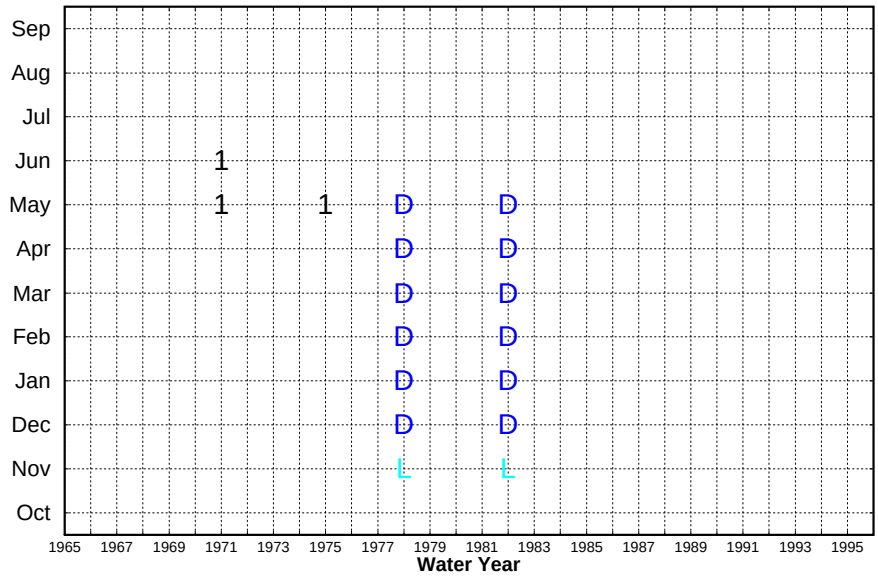
1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:51:13
For Planning Purposes Only
SFWMM V3.7

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 3 − 2020R



Total number of water years with restrictions = 4
Target number of water years with restrictions = 3

1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

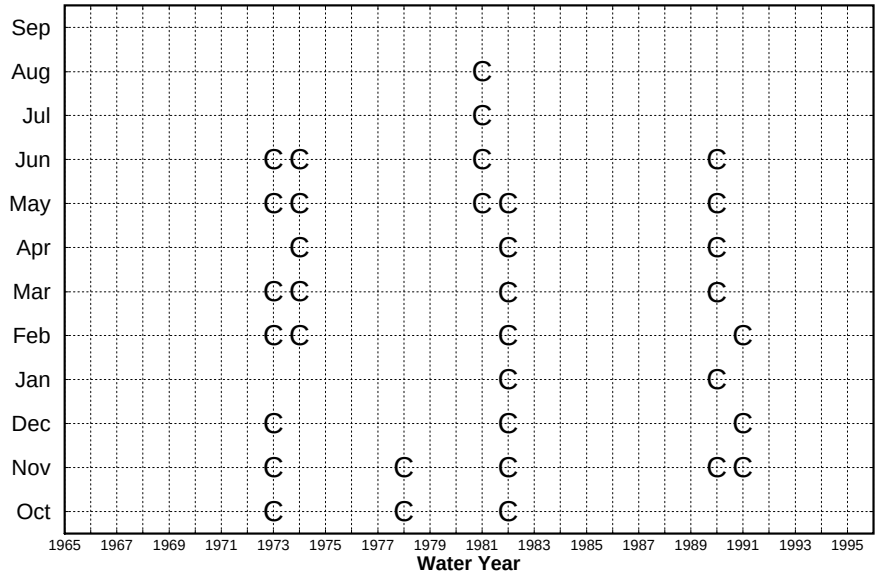
Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/14/00 06:51:27
For Planning Purposes Only
SFWMM V3.7

URBAN AND AGRICULTURAL WATER SUPPLY PERFORMANCE MEASURES 2005 SUPPLY-SIDE MANAGEMENT SCENARIO

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Lake Okeechobee Service Area − 2005SSM



Total number of water years with restrictions = 7
Target number of water years with restrictions = 3

C: Under Supply Side Management and Cutbacks for 7 days or more and Cutbacks greater or equal than 10%

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/21/00 22:20:33
For Planning Purposes Only
SFWMM V3.7

Monthly Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac-ft)

Run:
SFWMM v3.7 - 2005SSM (LEC2020)

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	1	0	0	49.33	0.00	0.00	0.00	0.00	0.00	0.00
1965	2	0	0	23.97	0.00	0.00	0.00	0.00	0.00	0.00
1965	3	0	0	55.09	0.00	0.00	0.00	0.00	0.00	0.00
1965	4	0	0	134.43	0.00	0.00	0.00	0.00	0.00	0.00
1965	5	0	0	263.50	0.00	0.00	0.79	0.30	0.79	0.30
1965	6	0	0	67.89	0.00	0.00	1.67	2.46	1.67	2.46
1965	7	0	0	25.29	0.00	0.00	0.00	0.00	0.00	0.00
1965	8	0	0	0.55	0.00	0.00	0.00	0.00	0.00	0.00
1965	9	0	0	0.18	0.00	0.00	0.00	0.00	0.00	0.00
1965	10	0	0	1.93	0.00	0.00	0.00	0.00	0.00	0.00
1965	11	0	0	51.60	0.00	0.00	0.00	0.00	0.00	0.00
1965	12	0	0	44.49	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	1	0	0	0.28	0.00	0.00	0.00	0.00	0.00	0.00
1966	2	0	0	22.30	0.00	0.00	0.00	0.00	0.00	0.00
1966	3	0	0	70.45	0.00	0.00	0.00	0.00	0.00	0.00
1966	4	0	0	63.69	0.00	0.00	0.00	0.00	0.00	0.00
1966	5	0	0	74.18	0.00	0.00	0.00	0.00	0.00	0.00
1966	6	0	0	5.67	0.00	0.00	0.00	0.00	0.00	0.00
1966	7	0	0	0.29	0.00	0.00	0.00	0.00	0.00	0.00
1966	8	0	0	0.33	0.00	0.00	0.00	0.00	0.00	0.00
1966	9	0	0	1.04	0.00	0.00	0.00	0.00	0.00	0.00
1966	10	0	0	5.48	0.00	0.00	0.00	0.00	0.00	0.00
1966	11	0	0	86.92	0.00	0.00	0.00	0.00	0.00	0.00
1966	12	0	0	56.20	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	1	0	0	54.27	0.00	0.00	0.00	0.00	0.00	0.00
1967	2	0	0	32.98	0.00	0.00	0.00	0.00	0.00	0.00
1967	3	0	0	102.46	0.00	0.00	0.00	0.00	0.00	0.00
1967	4	0	0	216.29	0.00	0.00	0.00	0.00	0.00	0.00
1967	5	0	0	273.45	0.00	0.00	2.02	0.74	2.02	0.74
1967	6	0	0	14.75	0.00	0.00	0.00	0.00	0.00	0.00
1967	7	0	0	9.20	0.00	0.00	0.00	0.00	0.00	0.00
1967	8	0	0	2.89	0.00	0.00	0.00	0.00	0.00	0.00
1967	9	0	0	14.48	0.00	0.00	0.00	0.00	0.00	0.00
1967	10	0	0	4.12	0.00	0.00	0.00	0.00	0.00	0.00
1967	11	0	0	95.37	0.00	0.00	0.00	0.00	0.00	0.00
1967	12	0	0	40.06	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	1	0	0	62.52	0.00	0.00	0.00	0.00	0.00	0.00
1968	2	0	0	30.79	0.00	0.00	0.00	0.00	0.00	0.00
1968	3	0	0	83.11	0.00	0.00	0.00	0.00	0.00	0.00
1968	4	2	0	171.00	0.00	0.00	0.00	0.00	0.00	0.00
1968	5	9	0	36.22	0.00	0.00	0.00	0.00	0.00	0.00
1968	6	0	0	0.12	0.00	0.00	0.00	0.00	0.00	0.00
1968	7	0	0	24.08	0.00	0.00	0.00	0.00	0.00	0.00
1968	8	0	0	8.29	0.00	0.00	0.00	0.00	0.00	0.00
1968	9	0	0	5.66	0.00	0.00	0.00	0.00	0.00	0.00
1968	10	0	0	2.13	0.00	0.00	0.00	0.00	0.00	0.00
1968	11	0	0	30.60	0.00	0.00	0.00	0.00	0.00	0.00
1968	12	0	0	89.27	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
1969	1	0	0	35.47	0.00	0.00	0.00	0.00	0.00	0.00
1969	2	0	0	44.78	0.00	0.00	0.00	0.00	0.00	0.00
1969	3	0	0	11.66	0.00	0.00	0.00	0.00	0.00	0.00
1969	4	0	0	74.83	0.00	0.00	0.00	0.00	0.00	0.00
1969	5	0	0	32.44	0.00	0.00	0.00	0.00	0.00	0.00
1969	6	0	0	22.54	0.00	0.00	0.00	0.00	0.00	0.00
1969	7	0	0	22.31	0.00	0.00	0.00	0.00	0.00	0.00
1969	8	0	0	1.13	0.00	0.00	0.00	0.00	0.00	0.00
1969	9	0	0	0.45	0.00	0.00	0.00	0.00	0.00	0.00
1969	10	0	0	11.19	0.00	0.00	0.00	0.00	0.00	0.00
1969	11	0	0	5.83	0.00	0.00	0.00	0.00	0.00	0.00
1969	12	0	0	10.50	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
1970	1	0	0	13.40	0.00	0.00	0.00	0.00	0.00	0.00
1970	2	0	0	21.56	0.00	0.00	0.00	0.00	0.00	0.00
1970	3	0	0	18.77	0.00	0.00	0.00	0.00	0.00	0.00
1970	4	0	0	105.44	0.00	0.00	0.00	0.00	0.00	0.00
1970	5	0	0	203.30	0.00	0.00	0.00	0.00	0.00	0.00
1970	6	0	0	11.85	0.00	0.00	0.00	0.00	0.00	0.00
1970	7	0	0	10.38	0.00	0.00	0.00	0.00	0.00	0.00
1970	8	0	0	5.73	0.00	0.00	0.00	0.00	0.00	0.00
1970	9	0	0	10.24	0.00	0.00	0.00	0.00	0.00	0.00
1970	10	0	0	17.42	0.00	0.00	0.00	0.00	0.00	0.00
1970	11	0	0	86.40	0.00	0.00	0.00	0.00	0.00	0.00
1970	12	0	0	100.69	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
1971	1	0	0	77.99	0.00	0.00	0.00	0.00	0.00	0.00
1971	2	0	0	54.50	0.00	0.00	0.00	0.00	0.00	0.00
1971	3	0	0	143.30	0.00	0.00	0.00	0.00	0.00	0.00
1971	4	0	0	224.33	0.00	0.00	0.00	0.00	0.00	0.00
1971	5	0	0	144.02	0.00	0.00	0.00	0.00	0.00	0.00
1971	6	0	0	33.70	0.00	0.00	0.00	0.00	0.00	0.00
1971	7	0	0	3.33	0.00	0.00	0.00	0.00	0.00	0.00
1971	8	0	0	2.27	0.00	0.00	0.00	0.00	0.00	0.00
1971	9	0	0	11.72	0.00	0.00	0.00	0.00	0.00	0.00
1971	10	8	5	18.53	6.11	32.98	0.01	0.03	6.12	33.01
1971	11	0	0	42.46	0.00	0.00	0.00	0.00	0.00	0.00
1971	12	0	0	74.03	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
1972	1	0	0	50.55	0.00	0.00	0.00	0.00	0.00	0.00
1972	2	0	0	36.27	0.00	0.00	0.00	0.00	0.00	0.00
1972	3	8	6	99.88	27.15	27.18	0.00	0.00	27.15	27.18
1972	4	2	0	69.10	0.00	0.00	0.00	0.00	0.00	0.00
1972	5	0	0	26.66	0.00	0.00	0.00	0.00	0.00	0.00
1972	6	0	0	29.18	0.00	0.00	1.00	3.43	1.00	3.43
1972	7	0	0	36.88	0.00	0.00	0.00	0.00	0.00	0.00
1972	8	0	0	26.73	0.00	0.00	0.00	0.00	0.00	0.00
1972	9	0	0	38.23	0.00	0.00	0.00	0.00	0.00	0.00
1972	10	31	26	93.34	58.86	63.06	0.01	0.01	58.87	63.07
1972	11	30	12	44.15	26.24	59.43	0.01	0.01	26.25	59.45
1972	12	31	12	37.30	13.18	35.35	0.02	0.05	13.20	35.40

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1973	1	31	5	14.81	3.96	26.73	0.01	0.05	3.96	26.78
1973	2	28	22	14.21	9.22	64.90	0.00	0.00	9.22	64.90
1973	3	31	22	69.13	44.01	63.65	0.01	0.01	44.01	63.67
1973	4	13	5	116.75	6.12	5.24	0.04	0.04	6.16	5.28
1973	5	19	12	148.45	37.70	25.40	0.03	0.02	37.74	25.42
1973	6	30	14	24.53	13.84	56.41	0.00	0.01	13.84	56.41
1973	7	13	3	0.93	0.31	33.50	0.00	0.00	0.31	33.50
1973	8	0	0	0.04	0.00	0.00	0.00	0.00	0.00	0.00
1973	9	0	0	0.21	0.00	0.00	0.00	0.00	0.00	0.00
1973	10	0	0	24.34	0.00	0.00	0.00	0.00	0.00	0.00
1973	11	0	0	96.46	0.00	0.00	0.00	0.00	0.00	0.00
1973	12	0	0	33.72	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
1974	1	0	0	51.93	0.00	0.00	0.00	0.00	0.00	0.00
1974	2	12	8	75.69	10.66	14.09	0.02	0.02	10.68	14.11
1974	3	31	31	170.55	106.58	62.49	0.07	0.04	106.66	62.53
1974	4	30	29	191.84	119.34	62.21	0.05	0.03	119.39	62.23
1974	5	31	31	229.48	153.75	67.00	0.00	0.00	153.75	67.00
1974	6	30	26	33.62	22.53	67.00	0.00	0.00	22.53	67.00
1974	7	2	0	0.20	0.00	0.00	0.00	0.00	0.00	0.00
1974	8	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1974	9	0	0	0.78	0.00	0.00	0.00	0.00	0.00	0.00
1974	10	0	0	40.56	0.00	0.00	0.00	0.00	0.00	0.00
1974	11	0	0	63.86	0.00	0.00	0.00	0.00	0.00	0.00
1974	12	0	0	9.39	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
1975	1	0	0	77.60	0.00	0.00	0.00	0.00	0.00	0.00
1975	2	0	0	64.27	0.00	0.00	0.00	0.00	0.00	0.00
1975	3	0	0	114.00	0.00	0.00	0.00	0.00	0.00	0.00
1975	4	0	0	146.74	0.00	0.00	0.00	0.00	0.00	0.00
1975	5	0	0	74.38	0.00	0.00	0.00	0.00	0.00	0.00
1975	6	0	0	10.07	0.00	0.00	0.00	0.00	0.00	0.00
1975	7	0	0	2.79	0.00	0.00	0.00	0.00	0.00	0.00
1975	8	0	0	6.85	0.00	0.00	0.00	0.00	0.00	0.00
1975	9	0	0	2.18	0.00	0.00	0.00	0.00	0.00	0.00
1975	10	0	0	4.71	0.00	0.00	0.00	0.00	0.00	0.00
1975	11	0	0	56.38	0.00	0.00	0.00	0.00	0.00	0.00
1975	12	0	0	85.56	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	1	0	0	79.50	0.00	0.00	0.00	0.00	0.00	0.00
1976	2	0	0	78.50	0.00	0.00	0.00	0.00	0.00	0.00
1976	3	0	0	97.74	0.00	0.00	0.00	0.00	0.00	0.00
1976	4	0	0	148.36	0.00	0.00	0.00	0.00	0.00	0.00
1976	5	0	0	22.48	0.00	0.00	0.00	0.00	0.00	0.00
1976	6	0	0	14.07	0.00	0.00	0.00	0.00	0.00	0.00
1976	7	0	0	30.52	0.00	0.00	0.00	0.00	0.00	0.00
1976	8	0	0	2.20	0.00	0.00	0.00	0.00	0.00	0.00
1976	9	0	0	0.07	0.00	0.00	0.00	0.00	0.00	0.00
1976	10	0	0	73.02	0.00	0.00	0.00	0.00	0.00	0.00
1976	11	0	0	45.67	0.00	0.00	0.00	0.00	0.00	0.00
1976	12	0	0	34.98	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
1977	1	0	0	4.27	0.00	0.00	0.00	0.00	0.00	0.00
1977	2	0	0	51.33	0.00	0.00	0.00	0.00	0.00	0.00
1977	3	0	0	121.16	0.00	0.00	0.00	0.00	0.00	0.00
1977	4	0	0	180.52	0.00	0.00	0.00	0.00	0.00	0.00
1977	5	0	0	79.83	0.00	0.00	0.01	0.01	0.01	0.01
1977	6	0	0	87.65	0.00	0.00	0.00	0.00	0.00	0.00
1977	7	0	0	27.96	0.00	0.00	0.00	0.00	0.00	0.00
1977	8	0	0	9.65	0.00	0.00	0.00	0.00	0.00	0.00
1977	9	0	0	0.35	0.00	0.00	0.00	0.00	0.00	0.00
1977	10	31	24	79.99	48.22	60.28	0.02	0.02	48.24	60.30
1977	11	30	8	32.86	10.46	31.83	0.01	0.02	10.46	31.85
1977	12	8	0	0.13	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
1978	1	0	0	11.59	0.00	0.00	0.00	0.00	0.00	0.00
1978	2	0	0	21.04	0.00	0.00	0.00	0.00	0.00	0.00
1978	3	0	0	56.79	0.00	0.00	0.00	0.00	0.00	0.00
1978	4	0	0	122.84	0.00	0.00	0.00	0.00	0.00	0.00
1978	5	0	0	35.69	0.00	0.00	0.00	0.00	0.00	0.00
1978	6	0	0	35.27	0.00	0.00	0.00	0.00	0.00	0.00
1978	7	0	0	2.49	0.00	0.00	0.00	0.00	0.00	0.00
1978	8	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1978	9	0	0	2.57	0.00	0.00	0.00	0.00	0.00	0.00
1978	10	0	0	11.90	0.00	0.00	0.00	0.00	0.00	0.00
1978	11	0	0	31.33	0.00	0.00	0.00	0.00	0.00	0.00
1978	12	0	0	29.26	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
1979	1	0	0	0.08	0.00	0.00	0.00	0.00	0.00	0.00
1979	2	0	0	53.42	0.00	0.00	0.00	0.00	0.00	0.00
1979	3	0	0	84.79	0.00	0.00	0.00	0.00	0.00	0.00
1979	4	0	0	138.17	0.00	0.00	0.00	0.00	0.00	0.00
1979	5	0	0	15.41	0.00	0.00	0.00	0.00	0.00	0.00
1979	6	0	0	213.70	0.00	0.00	6.76	3.16	6.76	3.16
1979	7	0	0	39.09	0.00	0.00	0.00	0.00	0.00	0.00
1979	8	0	0	5.29	0.00	0.00	0.00	0.00	0.00	0.00
1979	9	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1979	10	0	0	15.39	0.00	0.00	0.00	0.00	0.00	0.00
1979	11	0	0	6.31	0.00	0.00	0.00	0.00	0.00	0.00
1979	12	0	0	21.09	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	1	0	0	45.52	0.00	0.00	0.00	0.00	0.00	0.00
1980	2	0	0	12.58	0.00	0.00	0.00	0.00	0.00	0.00
1980	3	0	0	80.69	0.00	0.00	0.00	0.00	0.00	0.00
1980	4	0	0	15.01	0.00	0.00	0.00	0.00	0.00	0.00
1980	5	0	0	136.70	0.00	0.00	0.00	0.00	0.00	0.00
1980	6	0	0	155.11	0.00	0.00	0.48	0.31	0.48	0.31
1980	7	0	0	20.05	0.00	0.00	0.00	0.00	0.00	0.00
1980	8	0	0	7.89	0.00	0.00	0.00	0.00	0.00	0.00
1980	9	0	0	2.25	0.00	0.00	0.00	0.00	0.00	0.00
1980	10	0	0	75.69	0.00	0.00	0.00	0.00	0.00	0.00
1980	11	0	0	36.93	0.00	0.00	0.00	0.00	0.00	0.00
1980	12	0	0	32.23	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	1	0	0	60.58	0.00	0.00	0.00	0.00	0.00	0.00
1981	2	0	0	29.83	0.00	0.00	0.00	0.00	0.00	0.00
1981	3	0	0	93.11	0.00	0.00	0.00	0.00	0.00	0.00
1981	4	0	0	212.46	0.00	0.00	0.00	0.00	0.00	0.00
1981	5	26	26	255.98	116.07	45.34	0.03	0.01	116.10	45.36
1981	6	30	30	162.14	108.31	66.80	0.00	0.00	108.31	66.80
1981	7	31	30	125.33	83.97	67.00	0.00	0.00	83.97	67.00
1981	8	31	15	5.98	4.00	67.00	0.00	0.00	4.00	67.00
1981	9	16	0	1.31	0.00	0.00	0.00	0.00	0.00	0.00
1981	10	31	31	119.16	79.28	66.54	0.01	0.00	79.29	66.54
1981	11	30	18	49.62	29.52	59.50	0.00	0.01	29.53	59.51
1981	12	31	30	116.70	66.50	56.98	0.06	0.05	66.56	57.04

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1982	1	31	31	101.63	55.21	54.32	0.06	0.06	55.26	54.38
1982	2	28	28	59.54	39.89	67.00	0.00	0.00	39.89	67.00
1982	3	31	30	60.95	40.83	67.00	0.00	0.00	40.83	67.00
1982	4	30	30	43.88	29.40	67.00	0.00	0.00	29.40	67.00
1982	5	31	27	157.02	105.20	67.00	0.00	0.00	105.20	67.00
1982	6	7	0	23.85	0.00	0.00	0.45	1.87	0.45	1.87
1982	7	0	0	16.22	0.00	0.00	0.00	0.00	0.00	0.00
1982	8	0	0	9.21	0.00	0.00	0.00	0.00	0.00	0.00
1982	9	0	0	10.95	0.00	0.00	0.00	0.00	0.00	0.00
1982	10	0	0	23.76	0.00	0.00	0.00	0.00	0.00	0.00
1982	11	0	0	50.88	0.00	0.00	0.00	0.00	0.00	0.00
1982	12	0	0	70.27	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
1983	1	0	0	22.92	0.00	0.00	0.00	0.00	0.00	0.00
1983	2	0	0	1.66	0.00	0.00	0.00	0.00	0.00	0.00
1983	3	0	0	0.29	0.00	0.00	0.00	0.00	0.00	0.00
1983	4	0	0	47.62	0.00	0.00	0.00	0.00	0.00	0.00
1983	5	0	0	262.31	0.00	0.00	0.28	0.10	0.28	0.10
1983	6	0	0	16.76	0.00	0.00	0.00	0.00	0.00	0.00
1983	7	0	0	35.21	0.00	0.00	0.00	0.00	0.00	0.00
1983	8	0	0	5.38	0.00	0.00	0.00	0.00	0.00	0.00
1983	9	0	0	5.13	0.00	0.00	0.00	0.00	0.00	0.00
1983	10	0	0	1.07	0.00	0.00	0.00	0.00	0.00	0.00
1983	11	0	0	20.29	0.00	0.00	0.00	0.00	0.00	0.00
1983	12	0	0	25.12	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
1984	1	0	0	43.83	0.00	0.00	0.00	0.00	0.00	0.00
1984	2	0	0	35.62	0.00	0.00	0.00	0.00	0.00	0.00
1984	3	0	0	19.06	0.00	0.00	0.00	0.00	0.00	0.00
1984	4	0	0	61.51	0.00	0.00	0.00	0.00	0.00	0.00
1984	5	0	0	157.78	0.00	0.00	0.00	0.00	0.00	0.00
1984	6	0	0	66.49	0.00	0.00	0.00	0.00	0.00	0.00
1984	7	0	0	3.23	0.00	0.00	0.00	0.00	0.00	0.00
1984	8	0	0	17.92	0.00	0.00	0.00	0.00	0.00	0.00
1984	9	0	0	26.74	0.00	0.00	0.00	0.00	0.00	0.00
1984	10	0	0	75.84	0.00	0.00	0.00	0.00	0.00	0.00
1984	11	0	0	62.89	0.00	0.00	0.00	0.00	0.00	0.00
1984	12	0	0	66.89	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	1	0	0	63.64	0.00	0.00	0.00	0.00	0.00	0.00
1985	2	0	0	81.19	0.00	0.00	0.00	0.00	0.00	0.00
1985	3	0	0	99.02	0.00	0.00	0.00	0.00	0.00	0.00
1985	4	0	0	36.61	0.00	0.00	0.00	0.00	0.00	0.00
1985	5	0	0	159.83	0.00	0.00	0.00	0.00	0.00	0.00
1985	6	0	0	133.46	0.00	0.00	5.32	3.98	5.32	3.98
1985	7	0	0	8.69	0.00	0.00	0.00	0.00	0.00	0.00
1985	8	0	0	5.06	0.00	0.00	0.00	0.00	0.00	0.00
1985	9	0	0	0.20	0.00	0.00	0.00	0.00	0.00	0.00
1985	10	0	0	12.79	0.00	0.00	0.00	0.00	0.00	0.00
1985	11	0	0	43.24	0.00	0.00	0.00	0.00	0.00	0.00
1985	12	0	0	20.51	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	1	0	0	24.95	0.00	0.00	0.00	0.00	0.00	0.00
1986	2	0	0	56.97	0.00	0.00	0.00	0.00	0.00	0.00
1986	3	0	0	21.49	0.00	0.00	0.00	0.00	0.00	0.00
1986	4	0	0	170.56	0.00	0.00	0.00	0.00	0.00	0.00
1986	5	0	0	174.86	0.00	0.00	0.00	0.00	0.00	0.00
1986	6	0	0	24.90	0.00	0.00	0.00	0.00	0.00	0.00
1986	7	0	0	11.41	0.00	0.00	0.00	0.00	0.00	0.00
1986	8	0	0	0.50	0.00	0.00	0.00	0.00	0.00	0.00
1986	9	0	0	13.00	0.00	0.00	0.00	0.00	0.00	0.00
1986	10	0	0	37.46	0.00	0.00	0.00	0.00	0.00	0.00
1986	11	0	0	38.90	0.00	0.00	0.00	0.00	0.00	0.00
1986	12	0	0	51.62	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
1987	1	0	0	19.32	0.00	0.00	0.00	0.00	0.00	0.00
1987	2	0	0	21.00	0.00	0.00	0.00	0.00	0.00	0.00
1987	3	0	0	18.63	0.00	0.00	0.00	0.00	0.00	0.00
1987	4	0	0	117.58	0.00	0.00	0.00	0.00	0.00	0.00
1987	5	0	0	172.32	0.00	0.00	0.00	0.00	0.00	0.00
1987	6	0	0	148.91	0.00	0.00	0.55	0.37	0.55	0.37
1987	7	0	0	29.07	0.00	0.00	0.00	0.00	0.00	0.00
1987	8	0	0	55.89	0.00	0.00	0.00	0.00	0.00	0.00
1987	9	0	0	16.96	0.00	0.00	0.00	0.00	0.00	0.00
1987	10	14	0	27.71	0.00	0.00	0.00	0.00	0.00	0.00
1987	11	0	0	1.57	0.00	0.00	0.00	0.00	0.00	0.00
1987	12	0	0	47.88	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
1988	1	0	0	13.35	0.00	0.00	0.00	0.00	0.00	0.00
1988	2	0	0	18.52	0.00	0.00	0.00	0.00	0.00	0.00
1988	3	0	0	27.10	0.00	0.00	0.00	0.00	0.00	0.00
1988	4	0	0	154.39	0.00	0.00	0.00	0.00	0.00	0.00
1988	5	0	0	140.40	0.00	0.00	0.00	0.00	0.00	0.00
1988	6	0	0	52.34	0.00	0.00	0.00	0.00	0.00	0.00
1988	7	0	0	5.74	0.00	0.00	0.00	0.00	0.00	0.00
1988	8	0	0	1.16	0.00	0.00	0.00	0.00	0.00	0.00
1988	9	0	0	48.73	0.00	0.00	0.00	0.00	0.00	0.00
1988	10	0	0	135.91	0.00	0.00	0.00	0.00	0.00	0.00
1988	11	0	0	38.84	0.00	0.00	0.00	0.00	0.00	0.00
1988	12	0	0	63.82	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	1	0	0	79.43	0.00	0.00	0.00	0.00	0.00	0.00
1989	2	0	0	96.64	0.00	0.00	0.00	0.00	0.00	0.00
1989	3	0	0	72.16	0.00	0.00	0.00	0.00	0.00	0.00
1989	4	0	0	69.61	0.00	0.00	0.00	0.00	0.00	0.00
1989	5	0	0	179.56	0.00	0.00	0.00	0.00	0.00	0.00
1989	6	0	0	149.87	0.00	0.00	6.05	4.04	6.05	4.04
1989	7	0	0	39.58	0.00	0.00	0.00	0.00	0.00	0.00
1989	8	0	0	8.67	0.00	0.00	0.00	0.00	0.00	0.00
1989	9	0	0	2.71	0.00	0.00	0.00	0.00	0.00	0.00
1989	10	31	3	18.39	0.70	3.78	0.01	0.05	0.70	3.83
1989	11	30	26	101.95	30.96	30.37	0.09	0.09	31.05	30.46
1989	12	31	3	30.26	0.41	1.37	0.00	0.01	0.42	1.37

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1990	1	31	11	69.78	14.36	20.58	0.06	0.09	14.42	20.66
1990	2	20	6	32.04	7.79	24.33	0.01	0.03	7.80	24.36
1990	3	13	11	94.56	19.64	20.77	0.01	0.01	19.65	20.78
1990	4	30	11	128.37	17.15	13.36	0.04	0.03	17.19	13.39
1990	5	31	12	104.30	31.04	29.76	0.00	0.00	31.04	29.76
1990	6	30	21	77.56	49.44	63.75	0.00	0.00	49.45	63.75
1990	7	16	4	8.81	0.30	3.36	0.00	0.00	0.30	3.36
1990	8	0	0	6.52	0.00	0.00	0.00	0.00	0.00	0.00
1990	9	0	0	29.17	0.00	0.00	0.00	0.00	0.00	0.00
1990	10	31	6	27.47	3.49	12.69	0.00	0.00	3.49	12.69
1990	11	30	21	102.79	30.18	29.36	0.05	0.05	30.23	29.41
1990	12	31	23	112.37	27.20	24.20	0.07	0.06	27.26	24.26

Year	Mon	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1991	1	21	4	24.13	5.65	23.43	0.01	0.04	5.66	23.47
1991	2	15	10	55.42	9.07	16.36	0.02	0.03	9.08	16.39
1991	3	7	4	73.09	12.15	16.62	0.01	0.02	12.16	16.63
1991	4	0	0	9.30	0.00	0.00	0.00	0.00	0.00	0.00
1991	5	0	0	86.52	0.00	0.00	0.17	0.19	0.17	0.19
1991	6	0	0	21.96	0.00	0.00	0.00	0.00	0.00	0.00
1991	7	0	0	0.02	0.00	0.00	0.00	0.00	0.00	0.00
1991	8	0	0	6.36	0.00	0.00	0.00	0.00	0.00	0.00
1991	9	0	0	2.40	0.00	0.00	0.00	0.00	0.00	0.00
1991	10	0	0	7.63	0.00	0.00	0.00	0.00	0.00	0.00
1991	11	0	0	31.43	0.00	0.00	0.00	0.00	0.00	0.00
1991	12	0	0	32.92	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
1992	1	0	0	20.56	0.00	0.00	0.00	0.00	0.00	0.00
1992	2	0	0	21.44	0.00	0.00	0.00	0.00	0.00	0.00
1992	3	0	0	34.34	0.00	0.00	0.00	0.00	0.00	0.00
1992	4	0	0	16.59	0.00	0.00	0.00	0.00	0.00	0.00
1992	5	0	0	237.95	0.00	0.00	0.05	0.02	0.05	0.02
1992	6	0	0	18.54	0.00	0.00	0.00	0.00	0.00	0.00
1992	7	0	0	37.60	0.00	0.00	0.00	0.00	0.00	0.00
1992	8	0	0	7.98	0.00	0.00	0.00	0.00	0.00	0.00
1992	9	0	0	1.33	0.00	0.00	0.00	0.00	0.00	0.00
1992	10	0	0	53.98	0.00	0.00	0.00	0.00	0.00	0.00
1992	11	0	0	21.52	0.00	0.00	0.00	0.00	0.00	0.00
1992	12	0	0	48.51	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	1	0	0	0.42	0.00	0.00	0.00	0.00	0.00	0.00
1993	2	0	0	14.32	0.00	0.00	0.00	0.00	0.00	0.00
1993	3	0	0	17.45	0.00	0.00	0.00	0.00	0.00	0.00
1993	4	0	0	55.74	0.00	0.00	0.00	0.00	0.00	0.00
1993	5	0	0	224.16	0.00	0.00	0.25	0.11	0.25	0.11
1993	6	0	0	74.57	0.00	0.00	0.19	0.26	0.19	0.26
1993	7	0	0	75.87	0.00	0.00	0.00	0.00	0.00	0.00
1993	8	0	0	68.72	0.00	0.00	0.00	0.00	0.00	0.00
1993	9	0	0	3.33	0.00	0.00	0.00	0.00	0.00	0.00
1993	10	0	0	5.21	0.00	0.00	0.00	0.00	0.00	0.00
1993	11	0	0	45.33	0.00	0.00	0.00	0.00	0.00	0.00
1993	12	0	0	45.55	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	1	0	0	10.83	0.00	0.00	0.00	0.00	0.00	0.00
1994	2	0	0	11.34	0.00	0.00	0.00	0.00	0.00	0.00
1994	3	0	0	44.65	0.00	0.00	0.00	0.00	0.00	0.00
1994	4	0	0	65.35	0.00	0.00	0.00	0.00	0.00	0.00
1994	5	0	0	130.87	0.00	0.00	0.00	0.00	0.00	0.00
1994	6	0	0	8.12	0.00	0.00	0.00	0.00	0.00	0.00
1994	7	0	0	29.14	0.00	0.00	0.00	0.00	0.00	0.00
1994	8	0	0	0.10	0.00	0.00	0.00	0.00	0.00	0.00
1994	9	0	0	0.04	0.00	0.00	0.00	0.00	0.00	0.00
1994	10	0	0	4.82	0.00	0.00	0.00	0.00	0.00	0.00
1994	11	0	0	4.69	0.00	0.00	0.00	0.00	0.00	0.00
1994	12	0	0	1.35	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	1	0	0	6.60	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	0	0	3.73	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	0	0	43.92	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	0	0	87.17	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	0	0	99.98	0.00	0.00	0.00	0.00	0.00	0.00
1995	6	0	0	29.66	0.00	0.00	0.00	0.00	0.00	0.00
1995	7	0	0	20.92	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	0	0	9.79	0.00	0.00	0.00	0.00	0.00	0.00
1995	9	0	0	4.71	0.00	0.00	0.00	0.00	0.00	0.00
1995	10	0	0	6.89	0.00	0.00	0.00	0.00	0.00	0.00
1995	11	0	0	54.12	0.00	0.00	0.00	0.00	0.00	0.00
1995	12	0	0	39.31	0.00	0.00	0.00	0.00	0.00	0.00

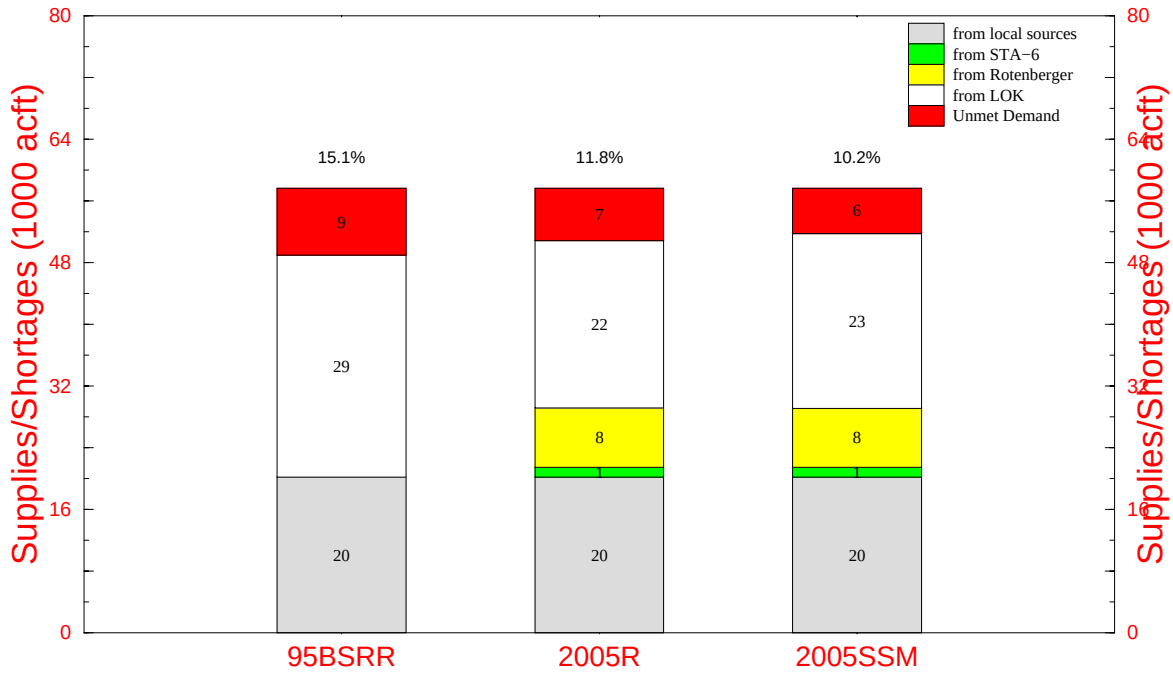
Annual Supply Side Management Results
for the Lake Okeechobee Service Area
(Volumes in 1000 ac−ft)

Run:
SFWMM v3.7 − 2005SSM (LEC2020)

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

Year	# Days SSM	# Days SSMwC.B.	Supplem. Volume	SSM Cutback Volume	% SSM Cutback	Convey. Cutback Volume	% Cutback Convey.	Total Cutback	% Total Cutback
1965	0	0	718.24	0.00	0.00	2.46	0.34	2.46	0.34
1966	0	0	386.83	0.00	0.00	0.00	0.00	0.00	0.00
1967	0	0	860.31	0.00	0.00	2.02	0.24	2.02	0.24
1968	11	0	543.80	0.00	0.00	0.00	0.00	0.00	0.00
1969	0	0	273.12	0.00	0.00	0.00	0.00	0.00	0.00
1970	0	0	605.18	0.00	0.00	0.00	0.00	0.00	0.00
1971	8	5	830.17	6.11	0.74	0.01	0.00	6.12	0.74
1972	102	56	588.28	125.43	21.32	1.04	0.18	126.47	21.50
1973	165	83	543.60	115.16	21.19	0.09	0.02	115.25	21.20
1974	136	125	867.92	412.86	47.57	0.14	0.02	413.01	47.59
1975	0	0	645.54	0.00	0.00	0.00	0.00	0.00	0.00
1976	0	0	627.10	0.00	0.00	0.00	0.00	0.00	0.00
1977	69	32	675.70	58.68	8.68	0.03	0.00	58.71	8.69
1978	0	0	361.84	0.00	0.00	0.00	0.00	0.00	0.00
1979	0	0	592.73	0.00	0.00	6.76	1.14	6.76	1.14
1980	0	0	620.65	0.00	0.00	0.48	0.08	0.48	0.08
1981	226	180	1232.18	487.66	39.58	0.11	0.01	487.76	39.59
1982	158	146	628.16	270.54	43.07	0.50	0.08	271.04	43.15
1983	0	0	443.76	0.00	0.00	0.28	0.06	0.28	0.06
1984	0	0	637.80	0.00	0.00	0.00	0.00	0.00	0.00
1985	0	0	664.26	0.00	0.00	5.32	0.80	5.32	0.80
1986	0	0	626.61	0.00	0.00	0.00	0.00	0.00	0.00
1987	14	0	676.86	0.00	0.00	0.55	0.08	0.55	0.08
1988	0	0	700.31	0.00	0.00	0.00	0.00	0.00	0.00
1989	92	32	848.82	32.07	3.78	6.15	0.73	38.22	4.50
1990	263	126	793.74	200.59	25.27	0.24	0.03	200.83	25.30
1991	43	18	351.18	26.87	7.65	0.21	0.06	27.07	7.71
1992	0	0	520.33	0.00	0.00	0.05	0.01	0.05	0.01
1993	0	0	630.68	0.00	0.00	0.44	0.07	0.44	0.07
1994	0	0	311.31	0.00	0.00	0.00	0.00	0.00	0.00
1995	0	0	406.79	0.00	0.00	0.00	0.00	0.00	0.00

Annual Average (1965 − 1995) Irrigation Supplies and Shortages for the Seminole Tribe − Big Cypress Reservation



Note: The data on top of each bar represents the percentage of Unmet demand.

Run date: 05/03/00 12:53:00
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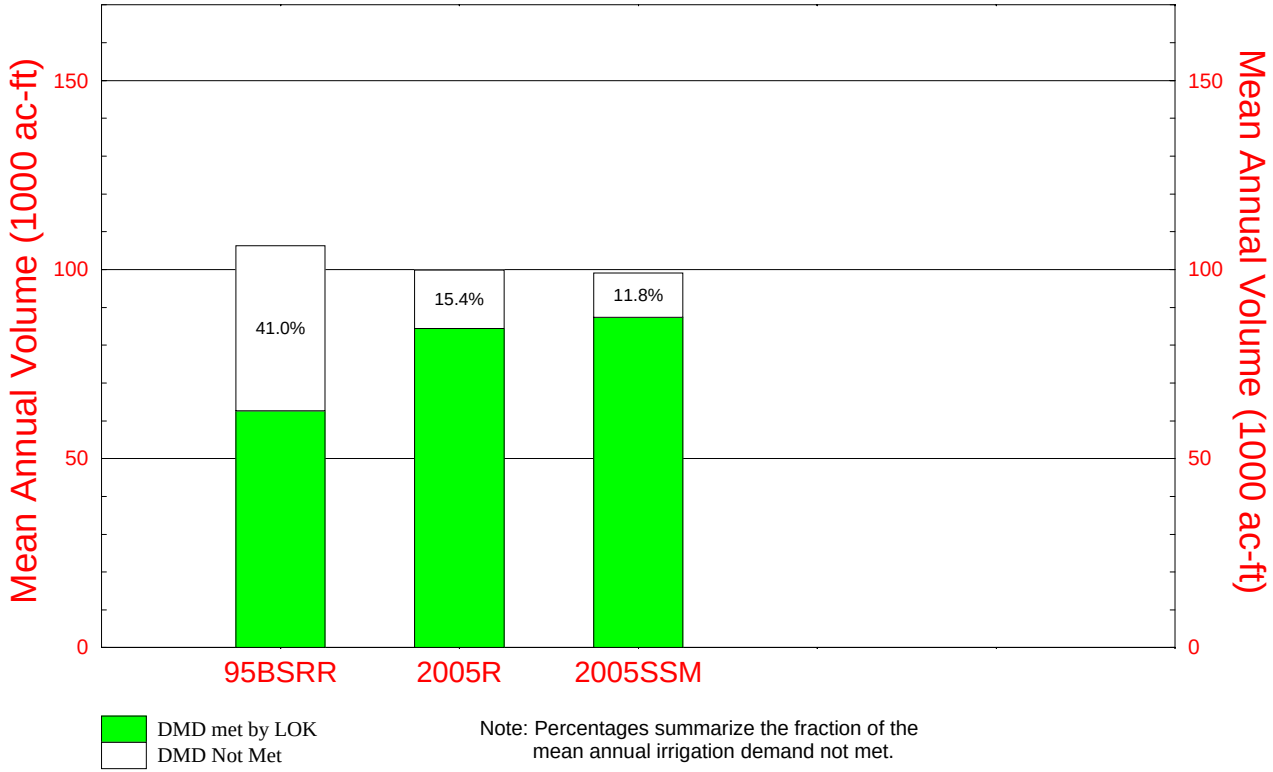
SFWMM V3.7

S236, S4, L8 and Seminole Indians (Brighton & Big Cypress)*
Mean Annual Supplemental Irrigation: Demands and Demands Not Met
for the 1965 - 1995 Simulation Period



Note: Percentages summarize the fraction of the mean annual irrigation demand not met.

*Part of Other Lake Okeechobee Service SubAreas

Run date: 03/21/00 23:35:33
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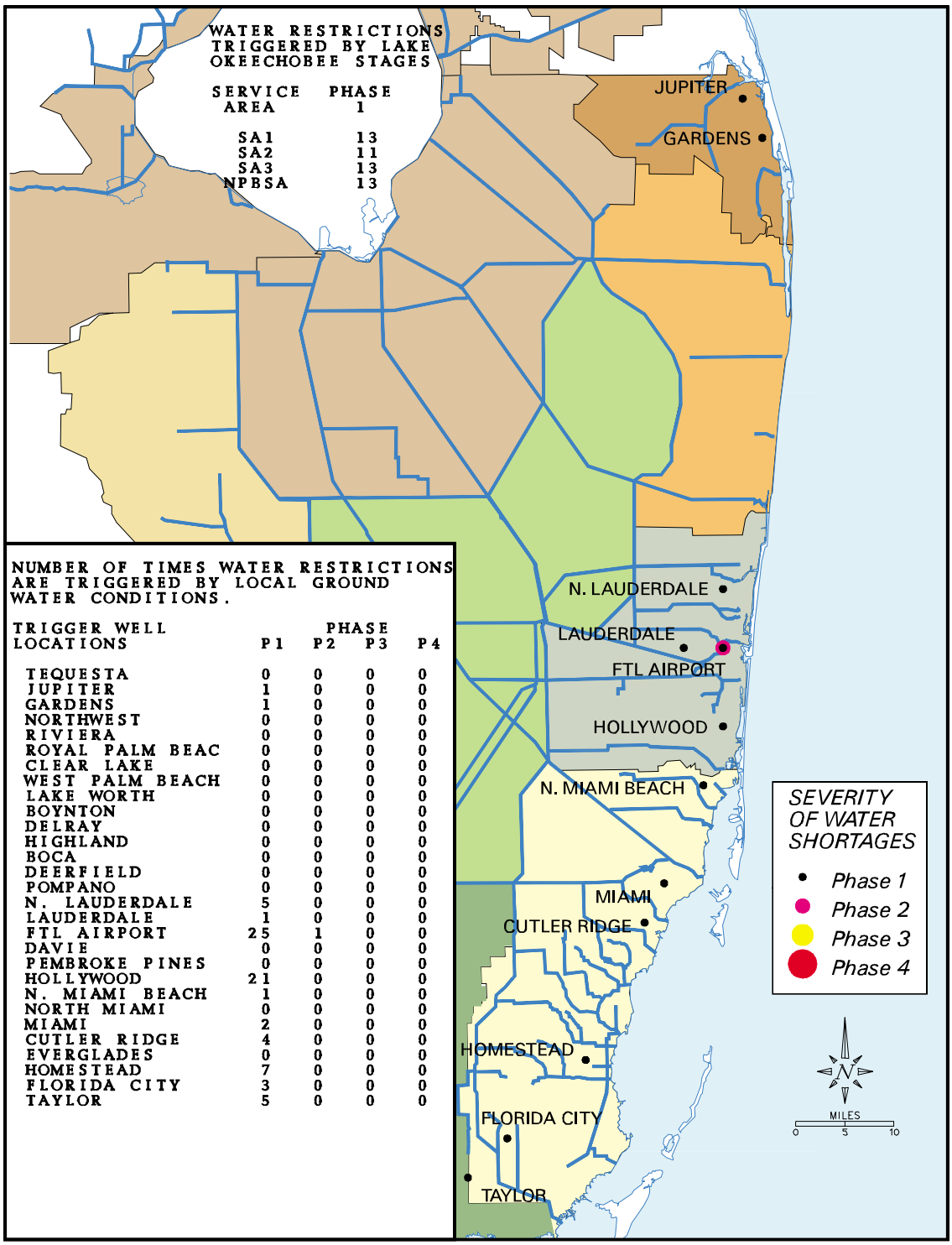


NUMBER OF TIMES WATER RESTRICTIONS ARE TRIGGERED BY LOCAL GROUND WATER CONDITIONS.

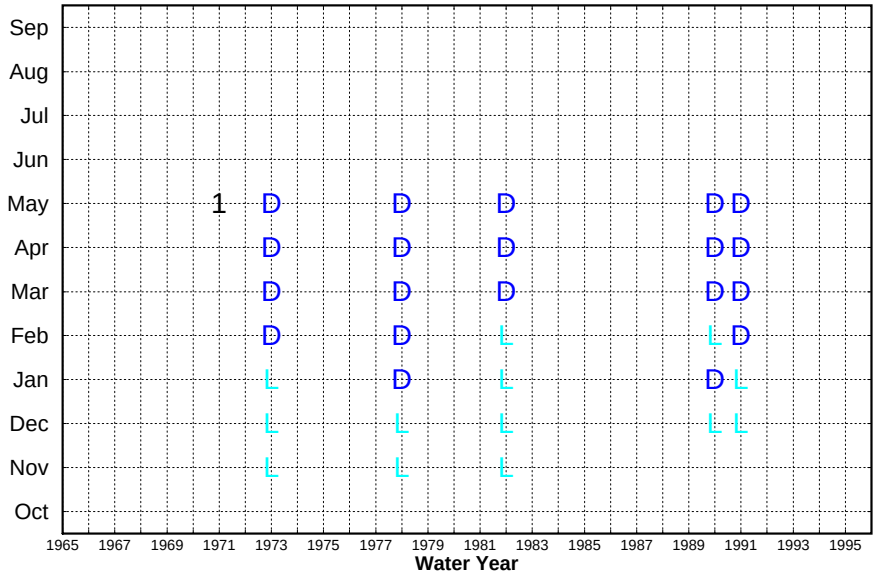
TRIGGER WELL LOCATIONS	PHASE P1	P2	P3	P4
TEQUESTA	0	0	0	0
JUPITER	1	0	0	0
GARDENS	1	0	0	0
NORTHWEST	0	0	0	0
RIVIERA	0	0	0	0
ROYAL PALM BEAC	0	0	0	0
CLEAR LAKE	0	0	0	0
WEST PALM BEACH	0	0	0	0
LAKE WORTH	0	0	0	0
BOYNTON	0	0	0	0
DELRAY	0	0	0	0
HIGHLAND	0	0	0	0
BOCA	0	0	0	0
DEERFIELD	0	0	0	0
POMPANO	0	0	0	0
N. LAUDERDALE	5	0	0	0
LAUDERDALE	1	0	0	0
FTL AIRPORT	25	1	0	0
DAVIE	0	0	0	0
PEMBROKE PINES	0	0	0	0
HOLLYWOOD	21	0	0	0
N. MIAMI BEACH	1	0	0	0
NORTH MIAMI	0	0	0	0
MIAMI	2	0	0	0
CUTLER RIDGE	4	0	0	0
EVERGLADES	0	0	0	0
HOMESTEAD	7	0	0	0
FLORIDA CITY	3	0	0	0
TAYLOR	5	0	0	0

Frequency & Severity of Water Restriction Triggers for

2005SSM

Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

North Palm Beach County − 2005SSM



Total number of water years with restrictions = 6
Target number of water years with restrictions = 3

1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/21/00 22:20:26
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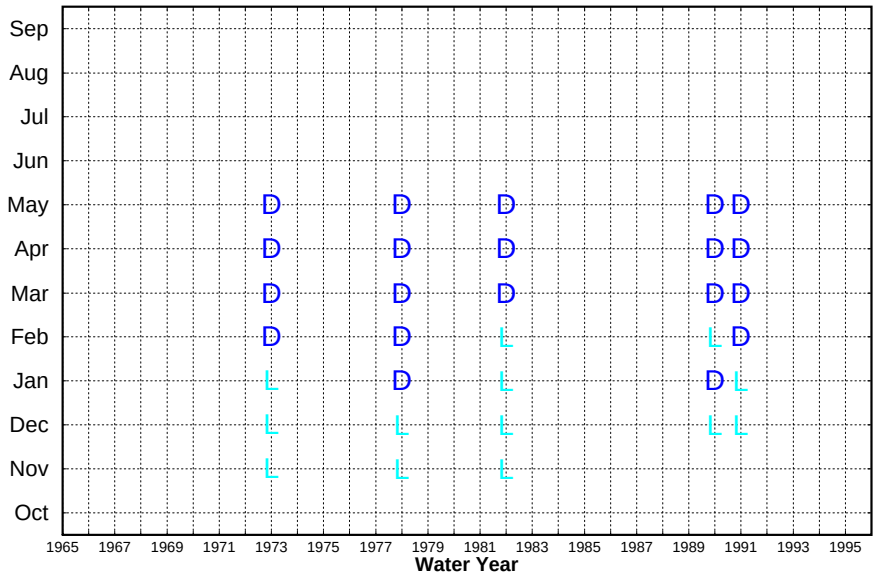
Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 1 − 2005SSM



Total number of water years with restrictions = 5
Target number of water years with restrictions = 3

1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/21/00 22:20:12
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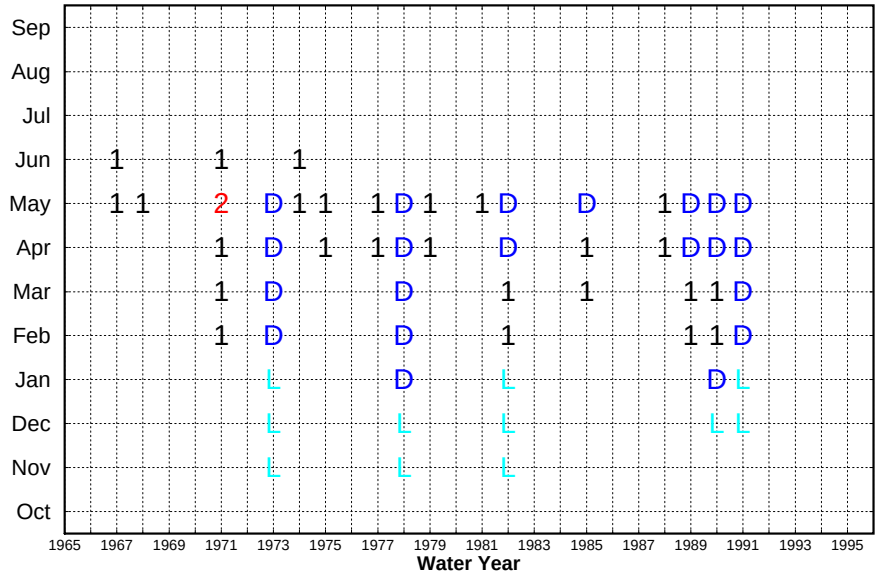
Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 2 − 2005SSM



Total number of water years with restrictions = 16
Target number of water years with restrictions = 3

1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/21/00 22:20:17
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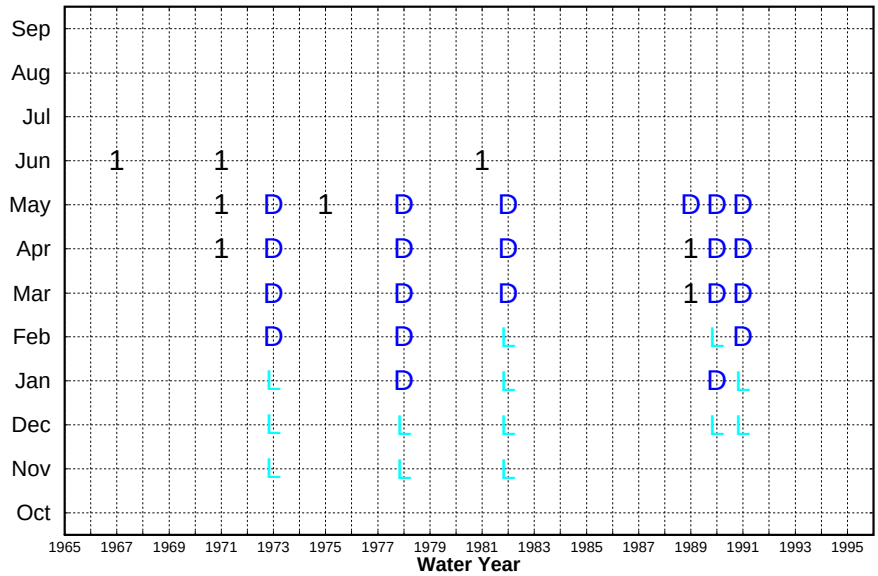
Frequency of Water Restrictions for the 1965 − 1995 Simulation Period

Service Area 3 − 2005SSM



Total number of water years with restrictions = 10
Target number of water years with restrictions = 3

1: Phase 1 **2:** Phase 2 **3:** Phase 3
4: Phase 4 **D:** Dry Season **L:** Lake Okeechobee

Note: Water year 1981 starts Oct/1980 and ends Sep/1981

Run date: 03/21/00 22:20:21
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NATURAL SYSTEMS PERFORMANCE MEASURES BASE CASES AND ALTERNATIVES

Inundation Duration Summary for Indicator Regions

Indicator Region Number	Name	#Events NSM45F	Avg Flood Dur(Wks/Event) NSM45F	Avg Ann Hydper(Percent of Yr) NSM45F	#Events 95BSR	Avg Flood Dur(Wks/Event) 95BSR	Avg Ann Hydper(Percent of Yr) 95BSR	#Events 20BSR	Avg Flood Dur(Wks/Event) 20BSR	Avg Ann Hydper(Percent of Yr) 20BSR	#Events 2020WR	Avg Flood Dur(Wks/Event) 2020WR	Avg Ann Hydper(Percent of Yr) 2020WR	#Events LEC1	Avg Flood Dur(Wks/Event) LEC1	Avg Ann Hydper(Percent of Yr) LEC1	#Events LEC1A	Avg Flood Dur(Wks/Event) LEC1A	Avg Ann Hydper(Percent of Yr) LEC1A
1	Taylor Slough	37	33	76	38	31	74	38	30	71	36	32	71	37	31	71	37	32	73
2	West Perrine Marl Marsh	68	9	39	69	9	39	68	9	38	67	9	39	68	9	39	68	9	40
3	Mid-Perrine Marl Marsh	43	23	60	38	27	63	50	17	52	51	17	53	50	17	52	48	19	56
4	C-111 Perrine Marl Marsh	47	21	62	68	14	57	66	15	60	45	27	76	46	26	75	40	31	78
5	Model Lands South	55	19	64	63	15	58	66	15	61	42	33	85	38	36	84	41	34	86
6	Model Lands North	43	27	72	97	6	37	99	6	38	105	7	44	108	7	47	101	8	50
7	Ochopee Marl Marsh	35	32	70	35	28	60	32	36	72	36	32	71	37	31	72	31	38	74
8	Rockland Marl Marsh	37	28	65	52	9	29	40	19	46	41	23	58	38	23	55	33	32	65
9	SW Shark River Slough	9	176	98	22	65	88	15	98	91	14	110	96	15	103	96	9	174	97
10	Mid Shark River Slough	5	321	100	16	92	92	15	100	93	9	175	98	8	197	98	7	228	99
11	NE Shark River Slough	4	402	100	21	67	87	20	71	88	15	104	97	14	111	97	4	402	100
12	New Shark River Slough	32	42	82	29	45	82	36	36	80	24	59	88	23	62	89	22	65	89
13	West Slough	38	28	66	41	25	65	39	28	69	44	23	62	42	24	62	43	23	62
14	South WCA-3A	17	88	92	9	176	98	17	88	93	11	139	95	11	140	95	11	140	96
15	West WCA-3B	20	74	92	12	129	96	20	74	92	10	157	97	10	158	98	7	228	99
16	East WCA-3B	15	102	95	19	75	89	29	46	83	10	154	96	10	154	96	7	228	99
17	South Central WCA-3A	24	59	87	14	108	94	25	57	88	16	96	95	16	96	95	15	102	95
18	North Central WCA-3A	24	59	89	17	86	91	22	66	90	11	142	97	9	173	97	12	130	97
19	East WCA-3A	25	55	86	10	159	99	15	99	93	16	93	92	15	100	93	14	109	95
20	NW WCA-3A	21	70	91	29	45	81	27	52	87	22	64	88	24	59	88	23	62	88
21	NE WCA-3A	28	49	85	41	29	74	17	88	92	29	46	83	25	55	85	27	51	85
22	NW Corner WCA-3A	20	73	91	35	35	76	22	68	92	18	84	94	18	85	95	24	63	94
23	WCA-2B	21	70	92	21	65	84	15	93	86	20	66	81	21	62	80	23	59	84
24	South WCA-2A	20	74	91	17	85	90	18	80	90	18	79	88	18	80	89	17	85	90
25	North WCA-2A	30	46	86	18	77	86	14	107	93	15	99	92	12	125	93	13	117	94
26	South LNWR (WCA-1)	25	57	89	5	321	99	18	86	96	7	228	99	6	268	100	1	1612	100
27	North LNWR (WCA-1)	15	99	92	12	130	97	20	74	92	12	128	96	12	129	96	9	175	98
28	Rotenberger WMA	40	31	76	52	18	59	38	34	79	44	29	79	44	29	79	42	30	79
29	Holey Land WMA	28	50	88	10	154	96	11	140	96	29	49	88	28	51	88	29	49	88
30	Corbett WMA	61	13	50	61	4	13	56	4	13	56	3	11	54	3	11	55	3	12
31	Mullet Slough	64	14	56	56	13	46	57	13	46	58	14	50	58	14	50	58	14	50
32	Upland Pine	56	15	51	57	15	52	57	15	52	57	15	52	57	15	52	57	15	52
33	Upper Mullet Slough	64	8	33	64	8	33	64	8	33	65	8	33	65	8	33	65	8	33
34	Cypress Marsh	36	35	78	42	12	31	42	12	31	42	12	31	42	12	31	42	12	31
35	Wet Prairie	31	43	82	42	19	50	42	19	50	42	19	50	42	19	50	42	19	50
36	Wetter Prairie NE	59	18	65	60	16	59	67	14	56	65	15	59	65	15	59	65	15	59
37	Wetter Prairie SW	58	17	63	68	13	56	72	12	54	69	13	58	67	14	58	67	14	58
38	Drier Cypress NW	67	10	40	67	9	38	68	9	37	68	9	39	67	9	39	68	9	39
39	Drier Cypress NE	62	14	55	64	12	48	65	12	47	65	12	50	66	12	50	65	12	50
40	Cypress	48	23	67	48	22	65	53	19	64	50	21	65	50	21	66	50	21	66
41	NW Big Cypress	54	16	53	59	12	46	59	12	46	59	12	46	59	12	46	59	12	46
42	NE Big Cypress	44	22	61	56	12	43	56	12	43	55	16	53	55	16	53	55	16	53
43	NE Corner Big Cypress	39	31	75	37	4	10	37	4	9	45	14	38	45	14	38	45	14	38
44	SW Big Cypress	62	14	54	60	14	54	60	14	54	60	14	54	60	14	54	60	14	54
45	Racoon Point	61	11	42	65	10	40	63	10	39	65	10	40	65	10	40	65	10	40
47	North C-111	48	20	60	86	5	27	58	4	14	55	10	34	55	10	34	58	11	41
48	North Bisc. Bay Groundwater 1	14	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	North Bisc. Bay Groundwater 2	49	15	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Central Bisc. Bay Groundwater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	South Bisc. Bay Groundwater	34	5	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Pennsuco Wetlands North	21	70	91	26	52	83	30	42	79	13	118	95	14	110	95	3	536	100
53	Pennsuco Wetlands South	9	176	98	28	47	81	30	41	76	13	116	93	13	115	93	6	266	99
46	Cape Sable Sparrow A	37	30	68	37	29	66	33	37	75	38	30	71	39	29	71	39	30	72
54	Cape Sable Sparrow B	69	9	40	68	9	39	67	9	39	65	10	40	65	10	40	66	10	41

55	Cape Sable Sparrow C	40	22	54	59	7	25	44	14	38	37	20	45	40	17	43	38	22	52
56	Cape Sable Sparrow D	45	22	61	45	23	64	58	15	53	53	16	53	54	16	52	55	16	56
57	Cape Sable Sparrow E	47	17	50	52	8	26	53	12	38	41	18	46	41	18	45	44	19	52
58	Cape Sable Sparrow F	36	30	67	29	3	5	39	17	42	39	24	57	41	20	52	35	31	67
59	Western WCA-3A Snail Kite	22	66	90	17	84	89	32	42	82	13	118	95	14	109	95	16	96	95
60	Southern WCA-3A Snail Kite	18	83	92	14	110	96	20	71	88	20	75	93	18	83	93	17	88	93
61	WCA-2B1	20	72	89	51	20	65	23	52	74	44	24	64	59	16	58	54	18	62
62	WCA-2B2	24	61	91	31	38	74	20	64	79	28	41	71	41	26	66	37	31	71
63	WCA-2B3	20	74	92	14	103	89	13	113	91	18	79	88	14	101	87	17	85	90
64	WCA-2B4	25	56	87	6	265	99	4	399	99	8	198	98	6	266	99	5	320	99
65	WCA-2B5	14	110	95	10	146	91	10	151	94	13	113	91	13	110	89	12	123	92
66	N WCA-3B	27	49	82	14	108	94	23	62	88	9	172	96	9	172	96	10	158	98
67	NE WCA-3B	22	62	85	33	33	67	41	24	62	25	54	84	23	60	85	21	67	88
68	S of NE WCA-3A	28	50	86	16	94	94	19	76	90	27	51	86	29	50	89	24	61	90
69	L-67A	20	69	86	7	230	100	14	110	95	14	109	94	14	110	95	12	129	96
70	Eastern edge of SRS	58	17	61	64	13	52	61	15	58	58	17	60	57	17	60	60	17	62

Notes: #events = number of continuous ponding events over the period of record
Avg Flood Duration = [sum(days of ponding)/7]/#events
Avg Annual Hydroperiod = 100 x [sum(weeks of ponding per year)]/[52 x #years]

High Water Summary for Indicator Regions

Indicator Region Number	Name	Depth(ft) Criterion	#Events NSM45F	Avg Duration (Wks/Event) NSM45F	Avg Ann Duration(Percent of Yr) NSM45F	#Events 95BSR	Avg Duration (Wks/Event) 95BSR	Avg Ann Duration(Percent of Yr) 95BSR	#Events 20BSR	Avg Duration (Wks/Event) 20BSR	Avg Ann Duration(Percent of Yr) 20BSR	#Events 2020WR	Avg Duration (Wks/Event) 2020WR	Avg Ann Duration(Percent of Yr) 2020WR	#Events LEC1	Avg Duration (Wks/Event) LEC1	Avg Ann Duration(Percent of Yr) LEC1	#Events LEC1A	Avg Duration (Wks/Event) LEC1A	Avg Ann Duration(Percent of Yr) LEC1A
1	Taylor Slough	> 1.5	10	2	1	3	2	0	5	2	0	5	2	1	5	2	1	6	2	1
2	West Perrine Marl Marsh	> 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Mid-Perrine Marl Marsh	> 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	C-111 Perrine Marl Marsh	> 2.0	0	0	0	0	0	0	0	0	0	11	3	2	11	3	2	13	3	3
5	Model Lands South	> 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Model Lands North	> 1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ochopee Marl Marsh	> 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Rockland Marl Marsh	> 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	SW Shark River Slough	> 2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Mid Shark River Slough	> 2.5	5	11	4	1	1	0	0	0	0	2	10	1	2	9	1	4	6	1
11	NE Shark River Slough	> 2.5	15	10	9	0	0	0	0	0	0	10	5	3	10	5	3	12	5	4
12	New Shark River Slough	Undefined																		
13	West Slough	Undefined																		
14	South WCA-3A	> 2.5	0	0	0	35	17	38	12	10	7	3	4	1	2	7	1	2	7	1
15	West WCA-3B	> 2.5	6	6	2	1	13	1	9	10	6	7	8	3	6	9	3	10	6	4
16	East WCA-3B	> 2.5	7	9	4	5	5	2	14	12	10	15	6	6	15	6	5	17	6	6
17	South Central WCA-3A	> 2.5	0	0	0	7	9	4	5	8	3	2	8	1	2	9	1	2	9	1
18	North Central WCA-3A	> 2.5	0	0	0	6	6	2	2	8	1	3	5	1	2	9	1	2	8	1
19	East WCA-3A	> 2.5	0	0	0	39	23	55	21	11	15	33	10	20	33	11	24	37	11	25
20	NW WCA-3A	> 2.5	0	0	0	1	1	0	2	1	0	0	0	0	0	0	0	1	1	0
21	NE WCA-3A	> 2.0	2	2	0	2	8	1	2	7	1	8	4	2	6	7	2	6	7	3
22	NW Corner WCA-3A	> 2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	WCA-2B	> 2.5	4	5	1	26	10	16	30	27	49	23	7	10	15	9	8	15	9	8
24	South WCA-2A	> 2.5	0	0	0	2	1	0	6	2	1	10	6	4	10	7	5	10	8	5
25	North WCA-2A	> 2.5	0	0	0	0	0	0	0	0	0	3	4	1	4	4	1	4	5	1
26	South LNWR (WCA-1)	> 2.5	0	0	0	36	14	31	31	12	23	31	13	26	32	14	27	34	13	28
27	North LNWR (WCA-1)	> 2.5	0	0	0	4	1	0	1	1	0	1	1	0	1	1	0	1	1	0
28	Rotenberger WMA	> 1.5	17	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Holey Land WMA	> 1.5	22	8	12	42	15	38	37	17	39	28	4	7	32	4	7	32	4	7
30	Corbett WMA	Undefined																		
31	Mullet Slough	Undefined																		
32	Upland Pine	Undefined																		
33	Upper Mullet Slough	Undefined																		
34	Cypress Marsh	Undefined																		
35	Wet Prairie	Undefined																		
36	Wetter Prairie NE	Undefined																		
37	Wetter Prairie SW	Undefined																		
38	Drier Cypress NW	Undefined																		
39	Drier Cypress NE	Undefined																		
40	Cypress	Undefined																		
41	NW Big Cypress	Undefined																		
42	NE Big Cypress	Undefined																		
43	NE Corner Big Cypress	Undefined																		
44	SW Big Cypress	Undefined																		
45	Racoon Point	Undefined																		
47	North C-111	> 1.8	0	0	0	0	0	0	0	0	0	7	2	1	6	1	1	8	2	1
48	North Bisc. Bay Groundwater 1	Undefined																		
49	North Bisc. Bay Groundwater 2	Undefined																		
50	Central Bisc. Bay Groundwater	Undefined																		
51	South Bisc. Bay Groundwater	Undefined																		
52	Pennsuco Wetlands North	> 2.0	16	8	8	5	1	0	6	4	1	6	4	2	5	1	0	5	1	0
53	Pennsuco Wetlands South	> 2.0	40	13	33	4	1	0	6	3	1	5	3	1	5	1	0	5	1	0
46	Cape Sable Sparrow A	Undefined																		
54	Cape Sable Sparrow B	Undefined																		

55	Cape Sable Sparrow C	Undefined																					
56	Cape Sable Sparrow D	Undefined																					
57	Cape Sable Sparrow E	Undefined																					
58	Cape Sable Sparrow F	Undefined																					
59	Western WCA-3A Snail Kite	Undefined																					
60	Southern WCA-3A Snail Kite	Undefined																					
61	WCA-2B1	> 2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	WCA-2B2	> 2.5	3	4	1	3	2	0	9	2	1	9	5	3	2	5	1	3	4	1
63	WCA-2B3	> 2.5	5	7	2	34	22	46	21	49	64	32	17	33	28	15	25	32	14	27
64	WCA-2B4	> 2.5	0	0	0	27	34	57	20	55	68	42	17	45	37	17	39	40	17	41
65	WCA-2B5	> 2.5	13	6	5	25	45	69	19	64	75	28	37	64	36	27	60	36	28	63
66	N WCA-3B	> 2.5	1	1	0	2	9	1	17	8	8	6	8	3	6	8	3	7	8	3
67	NE WCA-3B	> 2.5	0	0	0	2	14	2	17	10	11	7	9	4	7	9	4	8	9	4
68	S of NE WCA-3A	> 2.5	0	0	0	26	6	9	6	11	4	12	11	8	13	11	9	14	11	9
69	L-67A	> 1.5	13	8	6	15	93	87	38	25	59	29	34	61	29	36	65	29	37	67
70	Eastern edge of SRS	Undefined																					

Notes: #events = number of events with depths continuously greater than the criterion over the period of record
Avg Duration of High Water Events = [sum(days over criterion)/7]/#events
Avg Annual Duration of High Water(Percent) = 100 x [sum(weeks over criterion)]/[52 x #years]

Low Water Summary for Indicator Regions

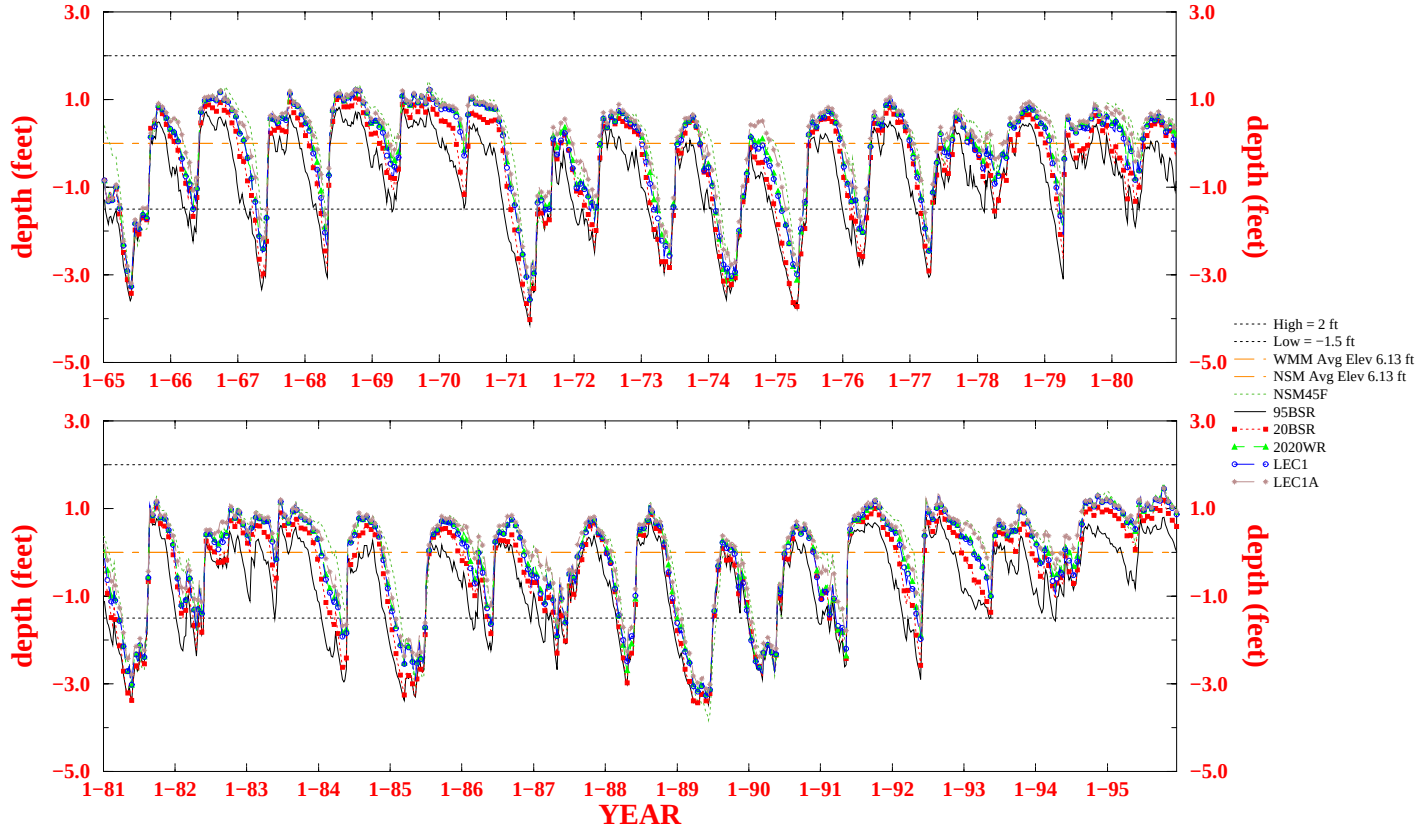
Indicator Region Number	Name	Depth(ft) Criterion	#Events NSM45F	Avg Duration (Wks/Event) NSM45F	Avg Ann Duration(Percent of Yr) NSM45F	#Events 95BSR	Avg Duration (Wks/Event) 95BSR	Avg Ann Duration(Percent of Yr) 95BSR	#Events 20BSR	Avg Duration (Wks/Event) 20BSR	Avg Ann Duration(Percent of Yr) 20BSR	#Events 2020WR	Avg Duration (Wks/Event) 2020WR	Avg Ann Duration(Percent of Yr) 2020WR	#Events LEC1	Avg Duration (Wks/Event) LEC1	Avg Ann Duration(Percent of Yr) LEC1	#Events LEC1A	Avg Duration (Wks/Event) LEC1A	Avg Ann Duration(Percent of Yr) LEC1A
1	Taylor Slough	< −1.5	20	4	5	21	5	6	28	4	7	28	4	7	27	4	7	27	4	7
2	West Perrine Marl Marsh	< −1.5	36	7	16	37	8	18	38	7	17	36	7	16	36	7	16	34	7	16
3	Mid−Perrine Marl Marsh	< −1.5	28	8	13	20	3	4	28	4	8	34	4	8	34	4	9	31	4	8
4	C−111 Perrine Marl Marsh	< 0.5	54	24	80	55	24	83	39	34	83	49	18	56	49	18	56	45	18	49
5	Model Lands South	< 0.5	56	23	81	51	28	87	45	34	95	81	14	68	81	14	69	85	12	63
6	Model Lands North	< 0.2	54	14	46	42	37	95	42	37	95	49	31	93	51	29	93	53	28	92
7	Ochopee Marl Marsh	< −1.5	17	8	9	21	9	12	21	6	8	21	6	8	20	7	8	18	7	8
8	Rockland Marl Marsh	< −1.5	21	10	13	43	11	29	31	11	21	25	10	15	26	10	16	20	10	13
9	SW Shark River Slough	< −1.0	1	5	0	17	4	5	11	4	3	7	3	1	5	3	1	4	2	1
10	Mid Shark River Slough	< −1.0	1	1	0	8	6	3	7	6	2	2	2	0	1	1	0	0	0	0
11	NE Shark River Slough	< −1.0	1	1	0	8	8	4	9	6	3	2	3	0	2	2	0	1	1	0
12	New Shark River Slough	< −1.0	17	7	8	16	8	8	20	7	8	13	5	4	12	5	4	11	5	4
13	West Slough	< −1.5	22	7	10	19	9	11	18	7	7	23	8	11	22	7	10	22	8	10
14	South WCA−3A	< −1.0	8	4	2	0	0	0	5	4	1	4	4	1	4	3	1	4	3	1
15	West WCA−3B	< −1.0	3	2	0	1	1	0	4	2	1	2	3	0	1	4	0	1	1	0
16	East WCA−3B	< −1.0	1	1	0	10	5	3	19	4	5	4	3	1	3	3	1	1	1	0
17	South Central WCA−3A	< −1.0	8	7	3	6	4	1	9	6	3	5	3	1	4	3	1	4	3	1
18	North Central WCA−3A	< −1.0	9	5	3	9	6	4	10	5	3	2	4	0	1	6	0	1	6	0
19	East WCA−3A	< −1.0	10	6	4	0	0	0	8	4	2	11	3	2	8	2	1	3	3	1
20	NW WCA−3A	< −1.0	6	6	2	15	8	8	10	7	4	9	5	3	7	6	3	7	6	3
21	NE WCA−3A	< −1.0	15	7	7	19	10	12	9	5	3	15	5	5	13	5	4	12	6	4
22	NW Corner WCA−3A	< −1.0	7	5	2	26	7	11	8	5	2	7	3	1	5	4	1	3	4	1
23	WCA−2B	< −1.0	5	5	1	18	6	7	8	9	4	13	8	6	15	7	7	9	8	4
24	South WCA−2A	< −1.0	6	8	3	12	5	4	8	8	4	12	7	5	11	7	4	11	6	4
25	North WCA−2A	< −1.0	8	8	4	10	9	6	5	7	2	4	9	2	7	6	2	7	5	2
26	South LNWR (WCA−1)	< −1.0	10	4	2	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0
27	North LNWR (WCA−1)	< −1.0	8	4	2	2	3	0	5	2	1	1	3	0	1	1	0	0	0	0
28	Rotenberger WMA	< −1.0	18	8	9	33	9	19	20	4	6	18	3	4	17	3	4	17	4	4
29	Holey Land WMA	< −1.0	14	6	5	4	2	0	5	2	1	11	4	3	11	4	3	11	4	3
30	Corbett WMA	Undefined																		
31	Mullet Slough	Undefined																		
32	Upland Pine	< −7.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Upper Mullet Slough	Undefined																		
34	Cypress Marsh	< −6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Wet Prairie	< −6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Wetter Prairie NE	< −6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Wetter Prairie SW	< −6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Drier Cypress NW	< −5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Drier Cypress NE	< −5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Cypress	< −4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	NW Big Cypress	< −3.0	13	5	4	13	5	4	13	5	4	13	5	4	13	5	4	13	5	4
42	NE Big Cypress	< −3.0	6	5	2	10	6	4	10	6	4	9	5	3	9	5	3	9	5	3
43	NE Corner Big Cypress	< −3.0	0	0	0	21	6	7	22	6	8	22	6	9	22	6	9	23	6	9
44	SW Big Cypress	< −3.0	9	6	3	10	7	4	10	7	4	10	7	4	10	7	4	10	7	4
45	Racoon Point	Undefined																		
47	North C−111	< 0.0	47	14	41	86	14	75	58	24	87	51	21	67	53	20	67	57	17	60
48	North Bisc. Bay Groundwater 1	< −5.1	18	4	5	1	1612	100	1	1612	100	1	1612	100	1	1612	100	1	1612	100
49	North Bisc. Bay Groundwater 2	< −5.0	0	0	0	25	63	98	14	114	99	8	201	100	11	145	99	27	58	98
50	Central Bisc. Bay Groundwater	< −7.5	3	3	1	76	11	51	108	10	65	111	10	67	110	9	64	47	5	14
51	South Bisc. Bay Groundwater	< −3.0	30	9	17	80	12	61	80	12	59	88	11	61	66	13	55	76	11	50
52	Pennsuco Wetlands North	< −1.0	3	2	0	24	5	8	33	5	10	3	4	1	4	3	1	0	0	0
53	Pennsuco Wetlands South	< −1.0	1	1	0	23	7	11	34	7	14	8	4	2	9	4	2	2	1	0
46	Cape Sable Sparrow A	Undefined																		
54	Cape Sable Sparrow B	Undefined																		

55	Cape Sable Sparrow C	Undefined																					
56	Cape Sable Sparrow D	Undefined																					
57	Cape Sable Sparrow E	Undefined																					
58	Cape Sable Sparrow F	Undefined																					
59	Western WCA−3A Snail Kite	Undefined																					
60	Southern WCA−3A Snail Kite	Undefined																					
61	WCA−2B1	< −1.0	10	5	3	25	9	14	21	11	14	23	11	16	24	9	14	23	9	12
62	WCA−2B2	< −1.0	6	4	2	18	11	12	20	7	9	27	8	13	25	9	14	25	6	10
63	WCA−2B3	< −1.0	4	6	1	8	7	3	8	6	3	9	6	3	7	8	4	7	6	3
64	WCA−2B4	< −1.0	16	4	4	3	4	1	2	4	1	2	6	1	2	3	0	1	4	0
65	WCA−2B5	< −1.0	4	6	2	16	7	7	12	6	4	12	7	5	12	9	7	11	8	5
66	N WCA−3B	< −1.0	21	5	6	8	2	1	14	3	3	4	3	1	3	3	1	1	1	0
67	NE WCA−3B	< −1.0	15	5	5	27	9	16	41	10	27	14	5	5	12	5	4	12	4	3
68	S of NE WCA−3A	< −1.0	13	5	4	9	3	2	8	7	3	12	6	4	12	4	3	11	4	3
69	L−67A	Undefined																		
70	Eastern edge of SRS	Undefined																		

Notes: #events = number of events with depths continuously less than the criterion over the period of record
Avg Duration of Low Water Events = [sum(days below criterion)/7]/#events
Avg Annual Duration of Low Water(Percent) = 100 x [sum(weeks below criterion)]/[52 x #years]

Normalized Weekly Stage Hydrograph for Rockland Marl Marsh

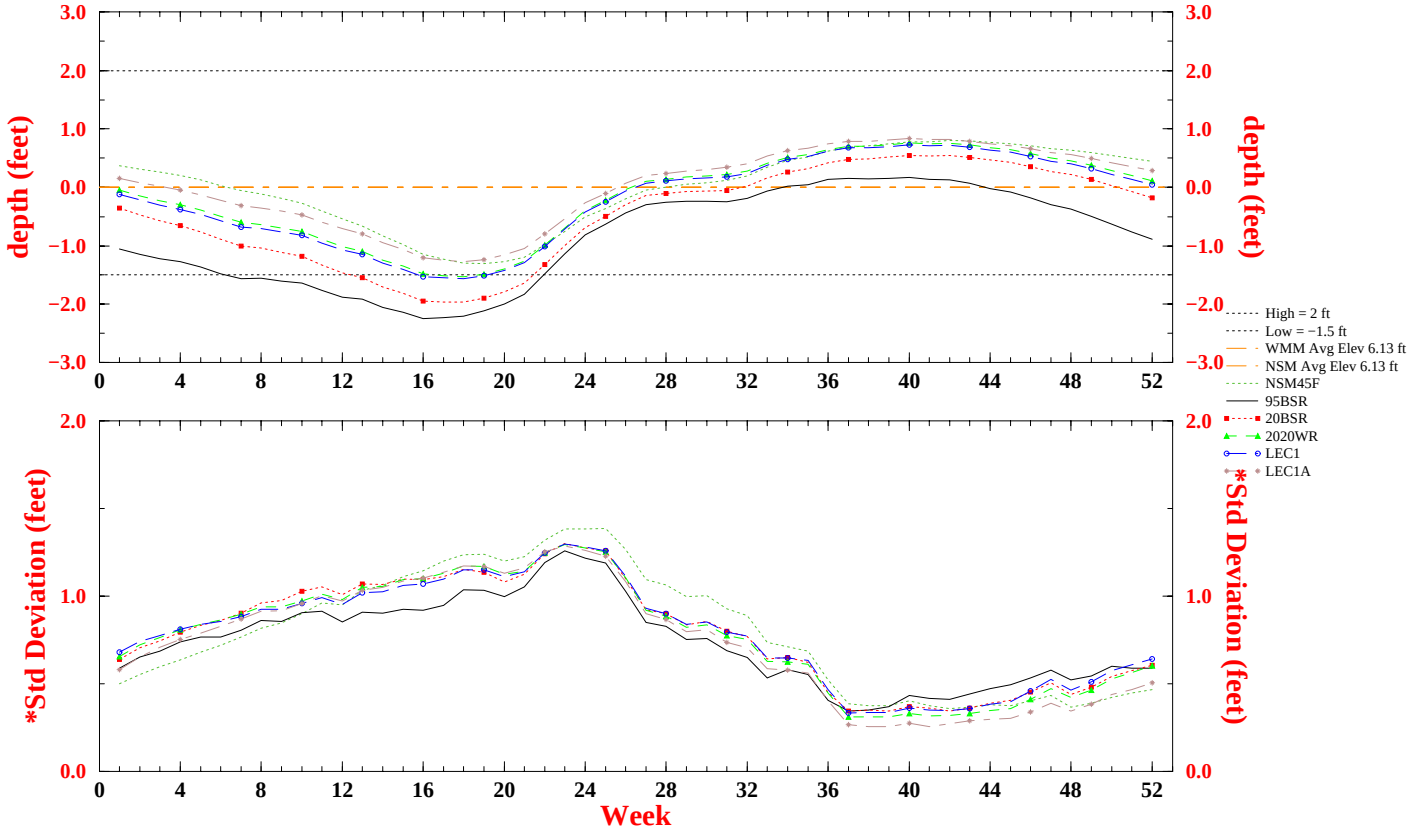
icator Region 8 (R12C21-22 R13C20-23 R14C21-23 R15C21-23 R16C22-23 R17C23-24 R18C24-25 R19C25-25)



Run date: Fri Jan 28 22:00:12 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for Rockland Marl Marsh

icator Region 8 (R12C21-22 R13C20-23 R14C21-23 R15C21-23 R16C22-23 R17C23-24 R18C24-25 R19C25-25)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

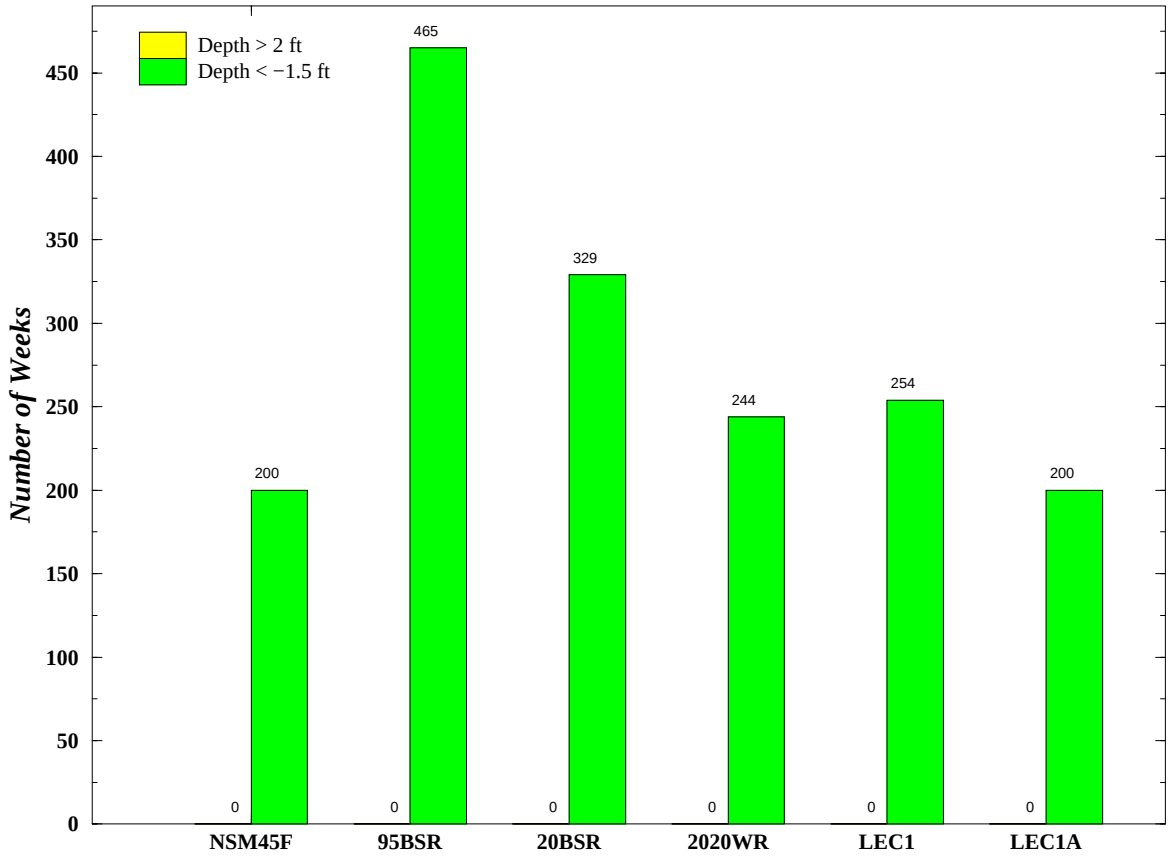
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:00:12 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 8 (R12C21-22 R13C20-23 R14C21-23 R15C21-23 R16C22-23 R17C23-24 R18C24-25 R19C25- 2

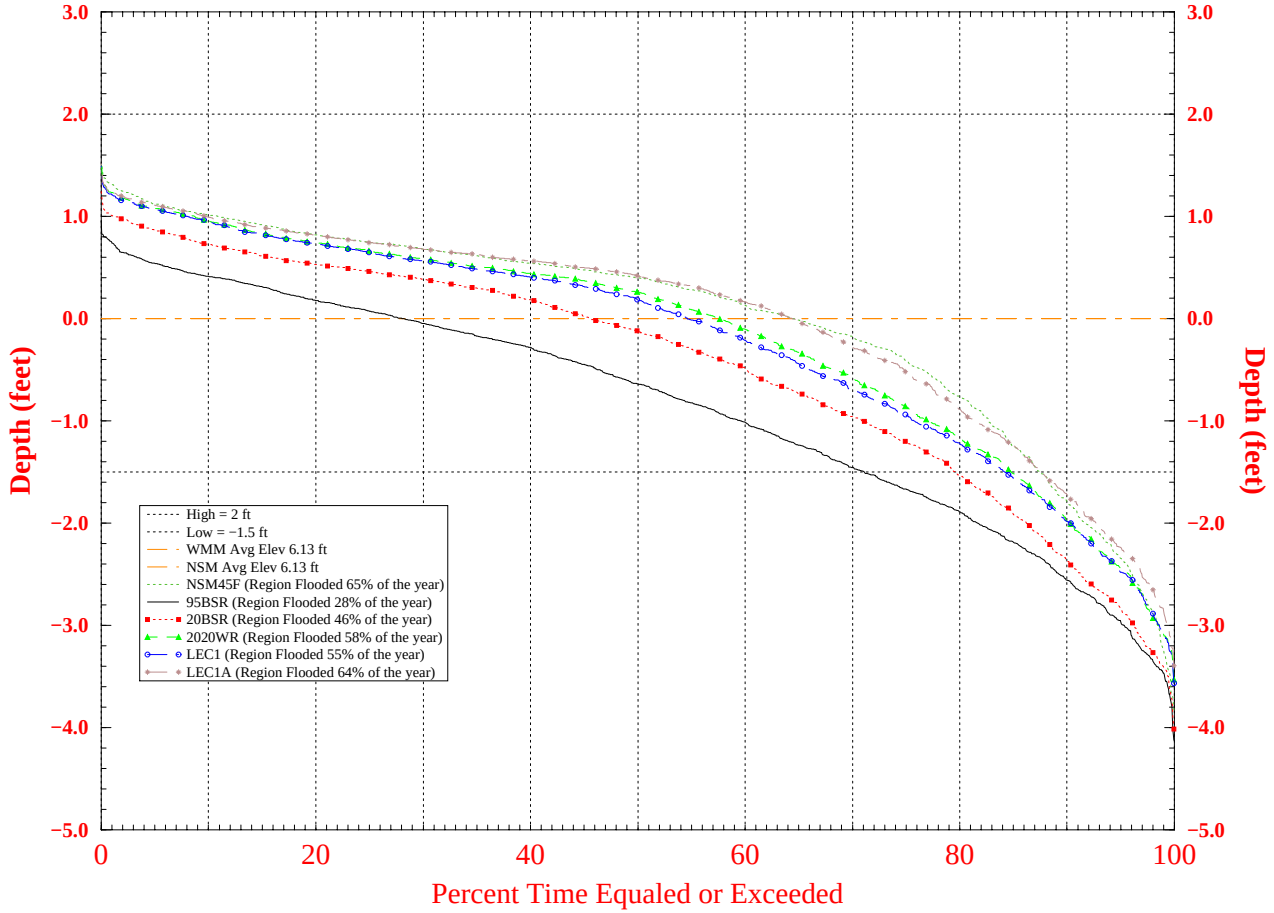


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:00:12 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for Rockland Marl Marsh

Indicator Region 8 (R12C21-22 R13C20-23 R14C21-23 R15C21-23 R16C22-23 R17C23-24 R18C24-25 R19C25- 2

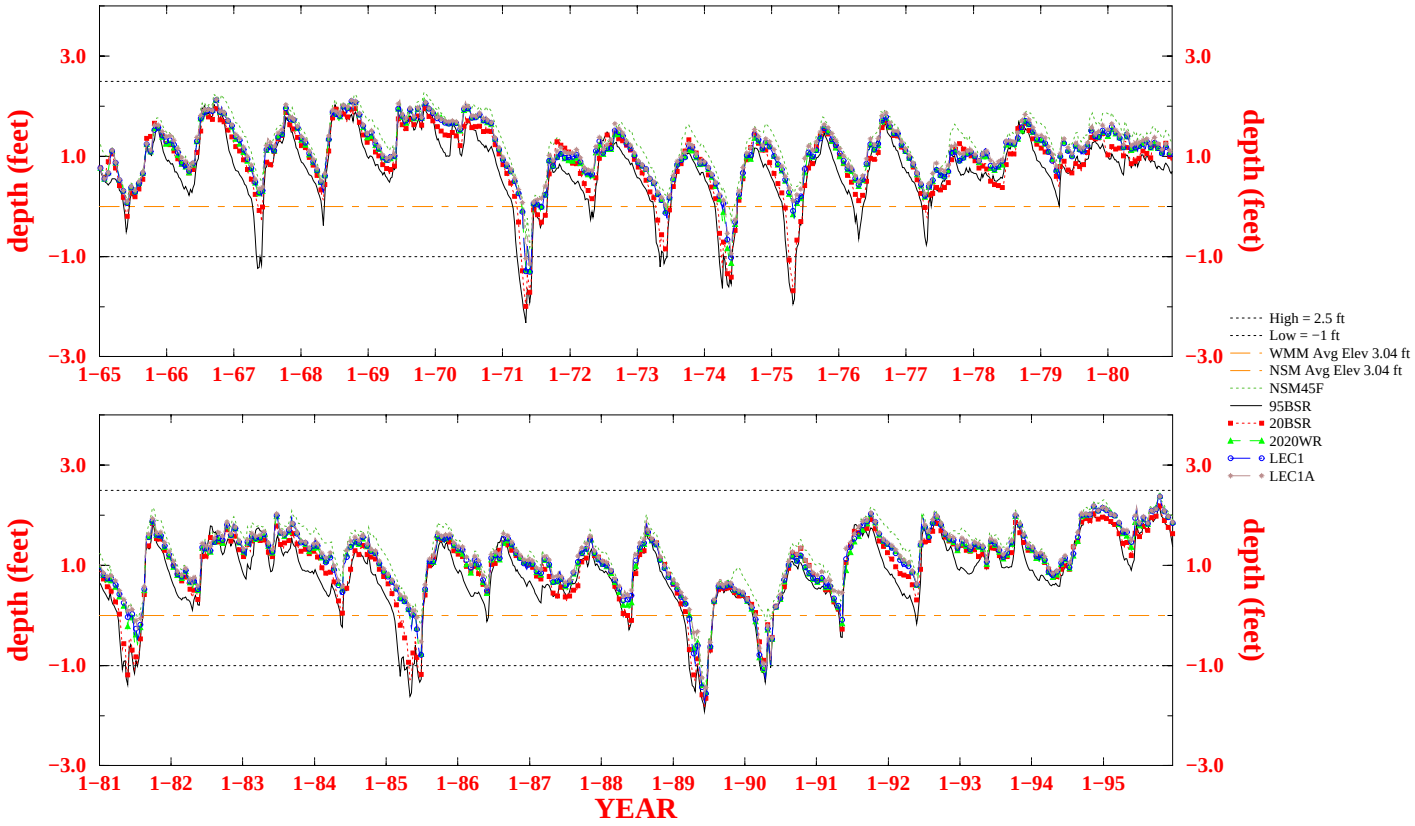


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:00:12 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for SW Shark River Slough

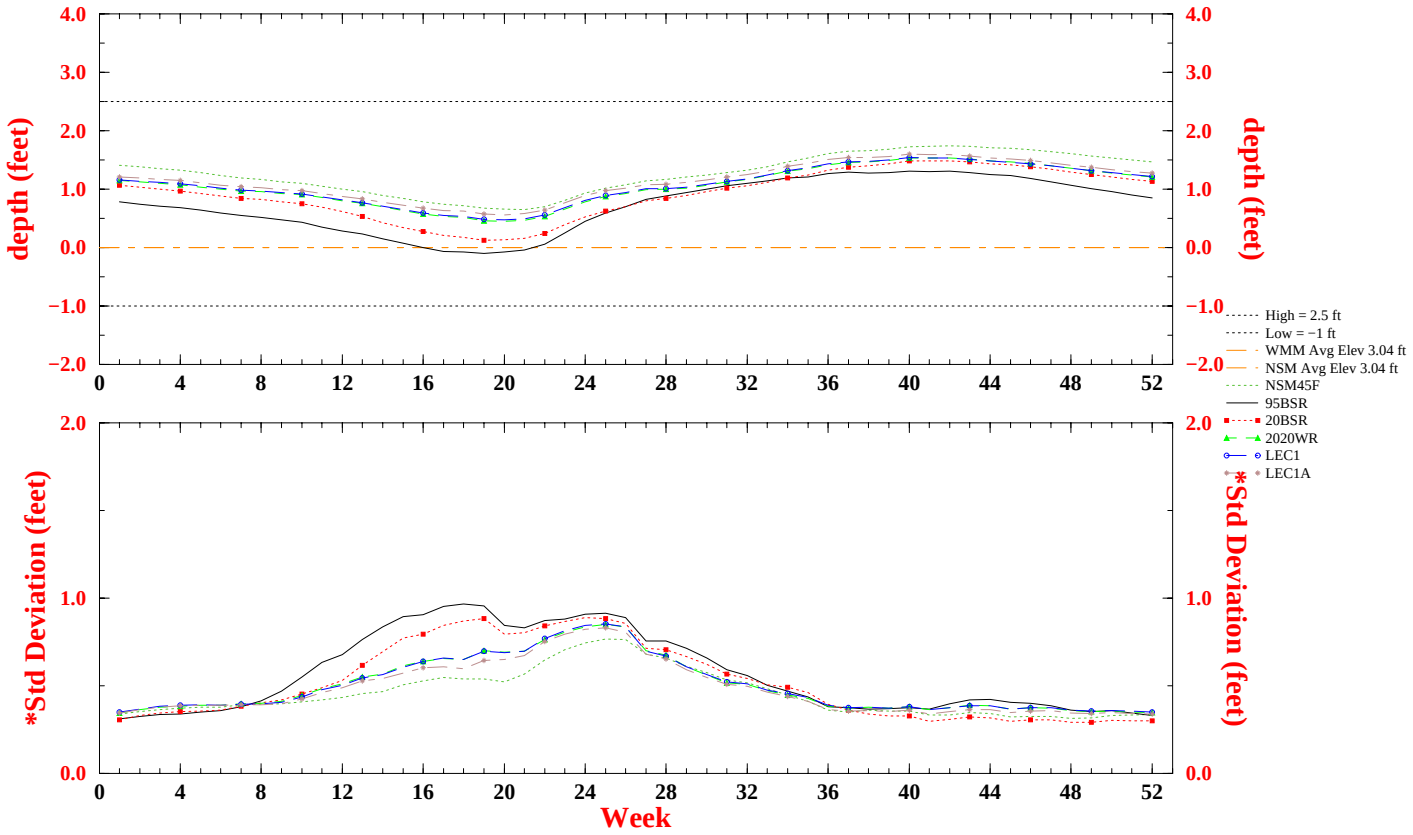
Indicator Region 9 (R13C16-17 R14C17-18 R15C18-18)



Run date: Fri Jan 28 22:00:19 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for SW Shark River Slough

Indicator Region 9 (R13C16-17 R14C17-18 R15C18-18)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

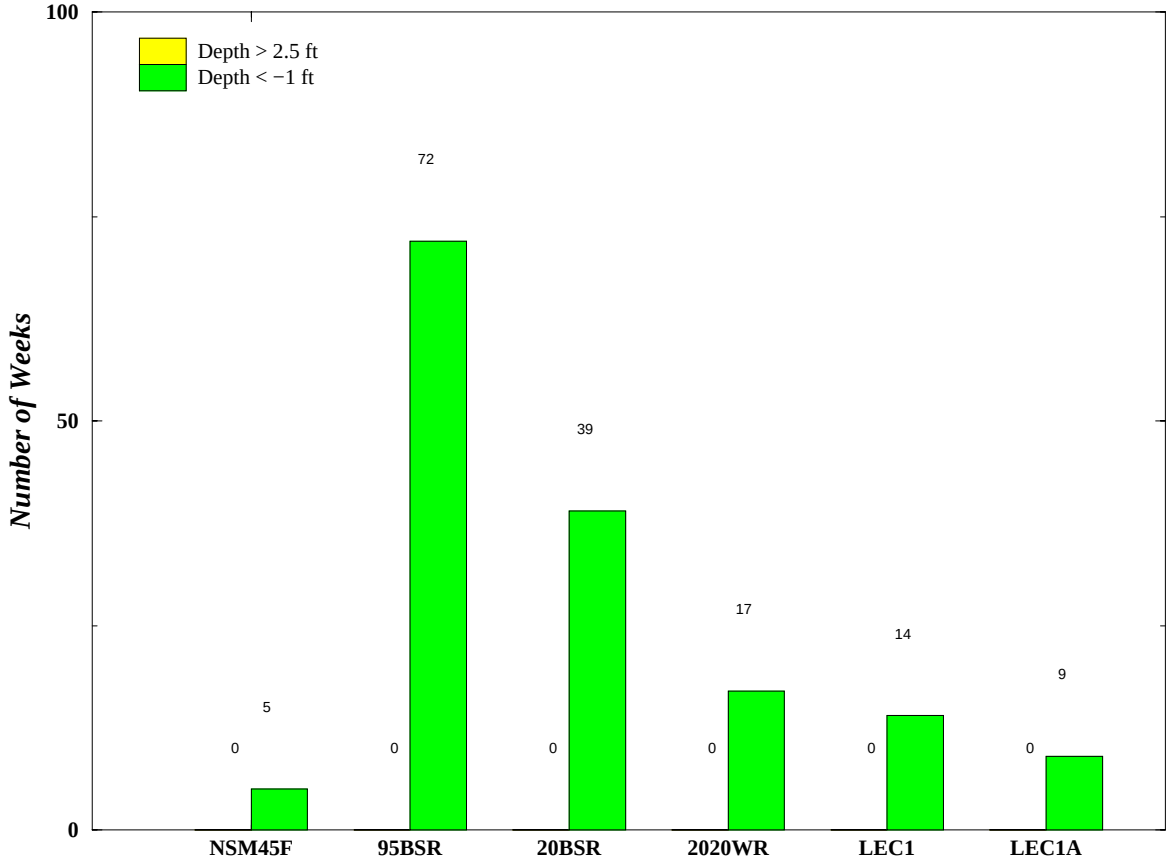
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:00:20 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 9 (R13C16-17 R14C17-18 R15C18-18)

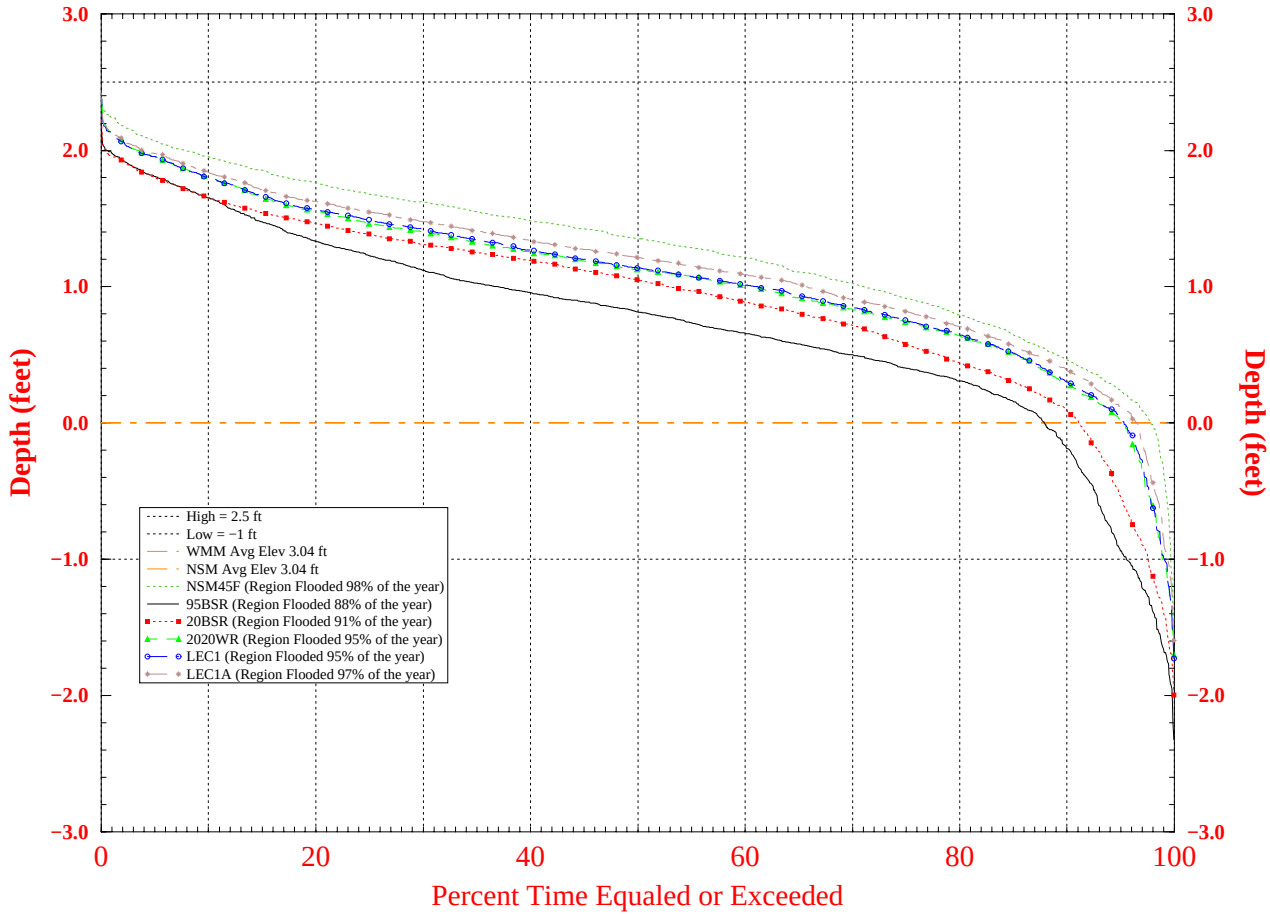


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:00:20 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for SW Shark River Slough

Indicator Region 9 (R13C16-17 R14C17-18 R15C18-18)

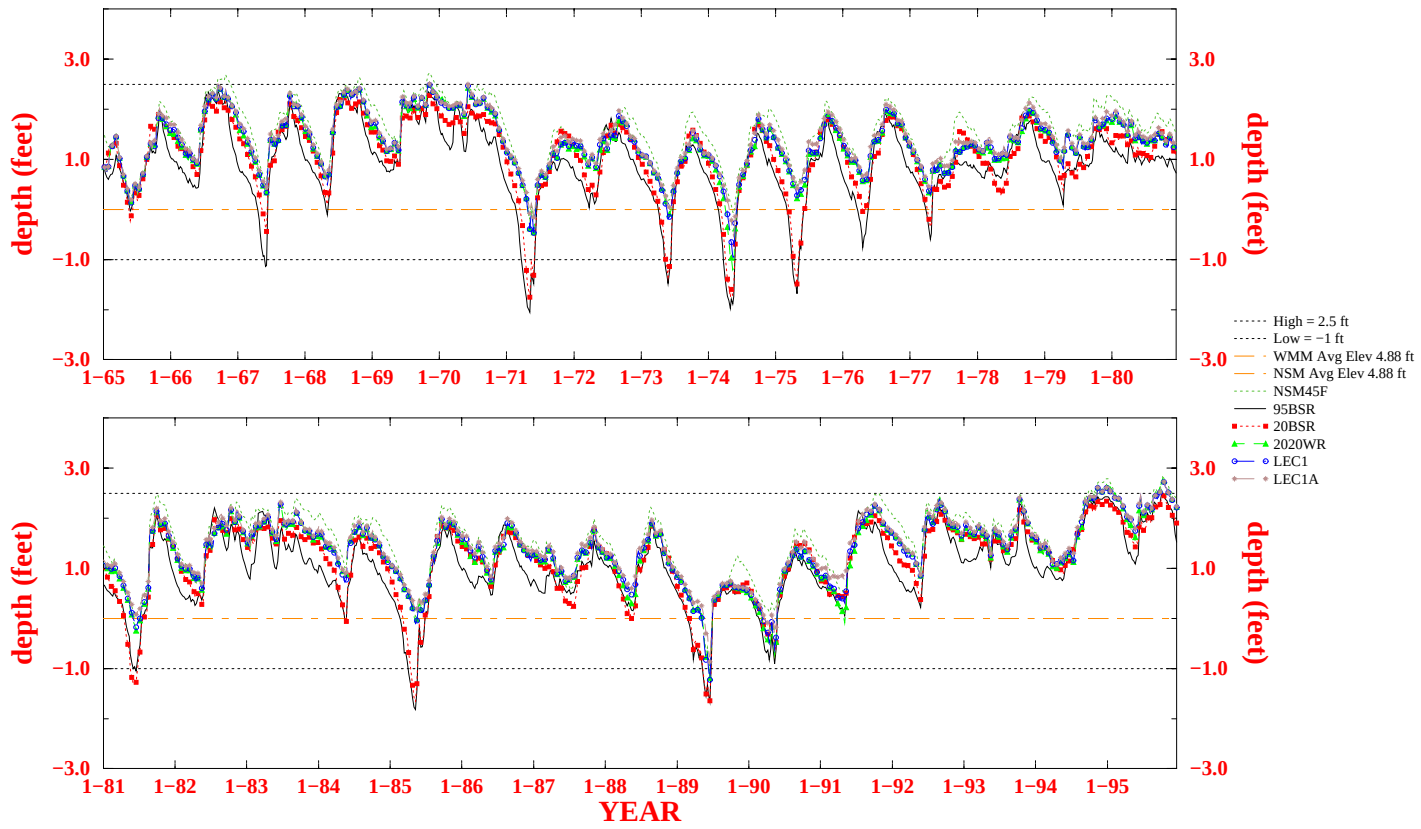


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:00:20 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for Mid Shark River Slough

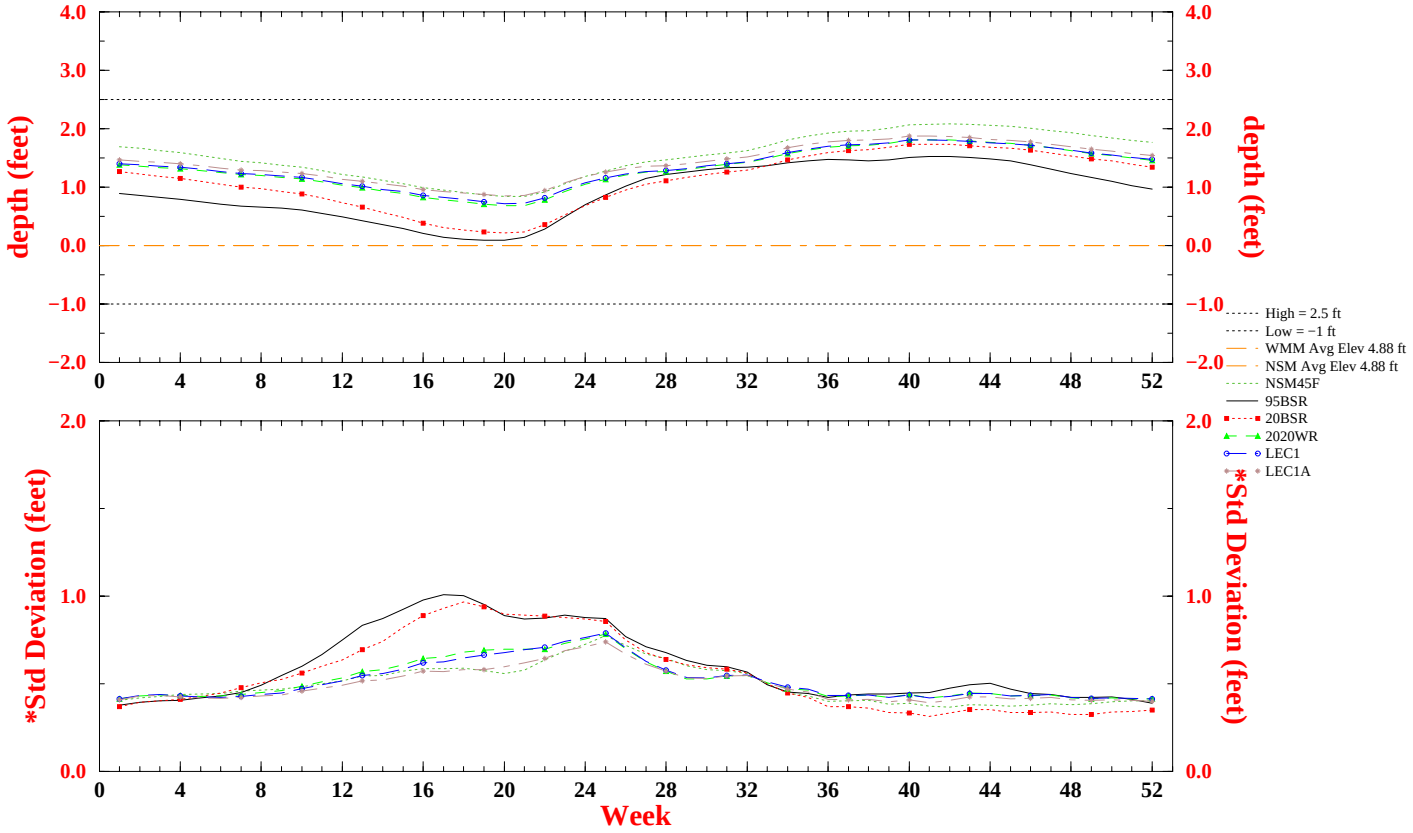
Indicator Region 10 (R16C18-19 R17C18-20 R18C19-20 R19C20-20)



Run date: Fri Jan 28 22:00:29 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for Mid Shark River Slough

Indicator Region 10 (R16C18-19 R17C18-20 R18C19-20 R19C20-20)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

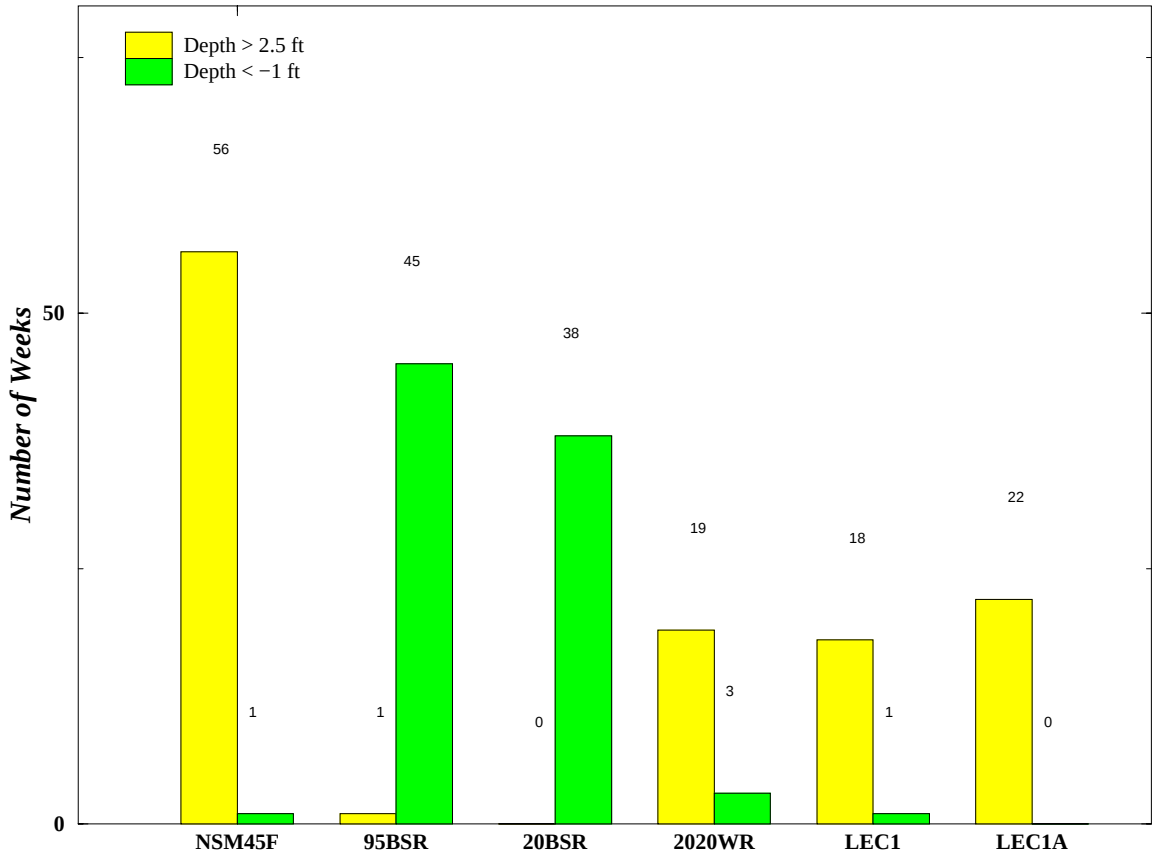
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:00:29 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 10 (R16C18-19 R17C18-20 R18C19-20 R19C20-20)

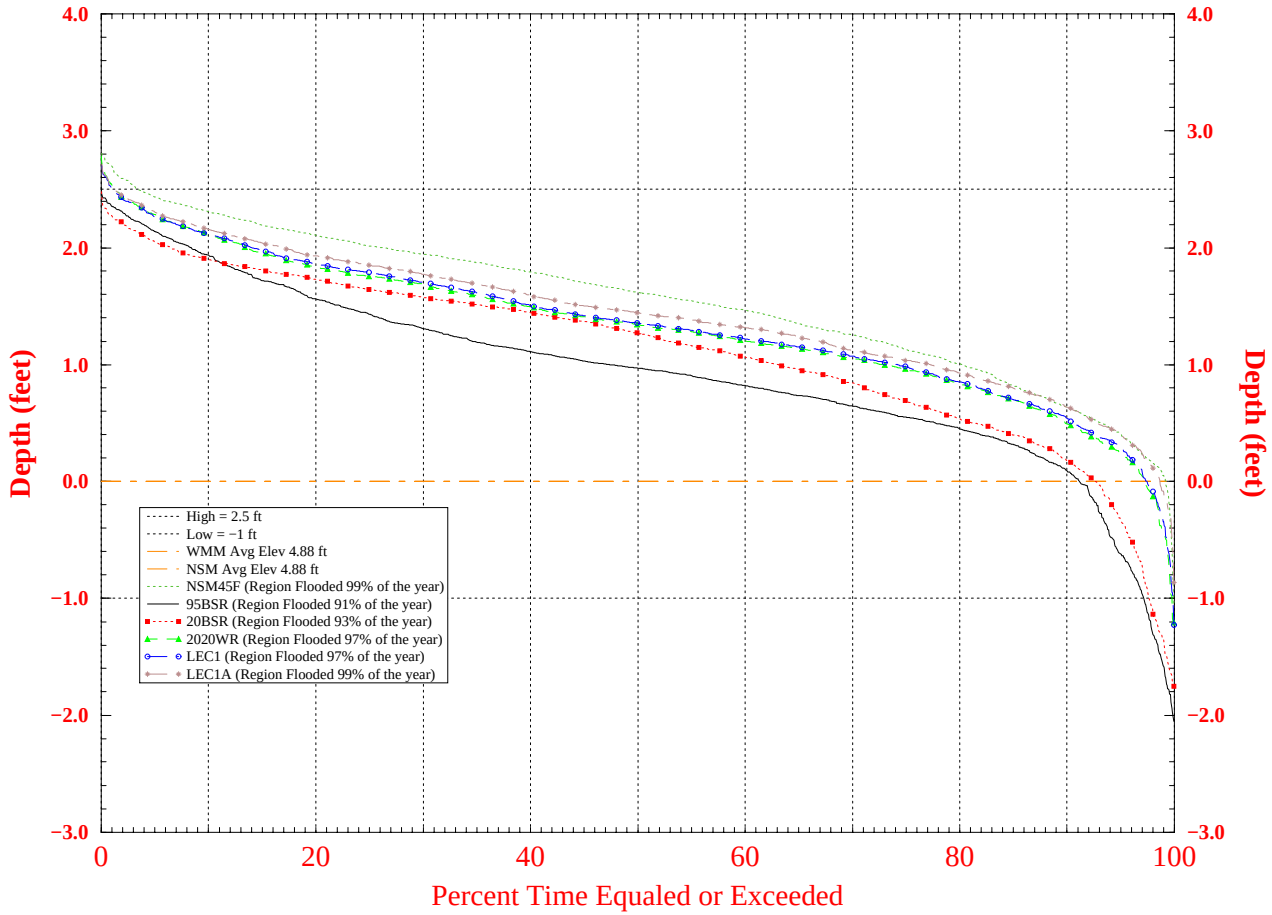


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:00:29 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for Mid Shark River Slough

Indicator Region 10 (R16C18-19 R17C18-20 R18C19-20 R19C20-20)

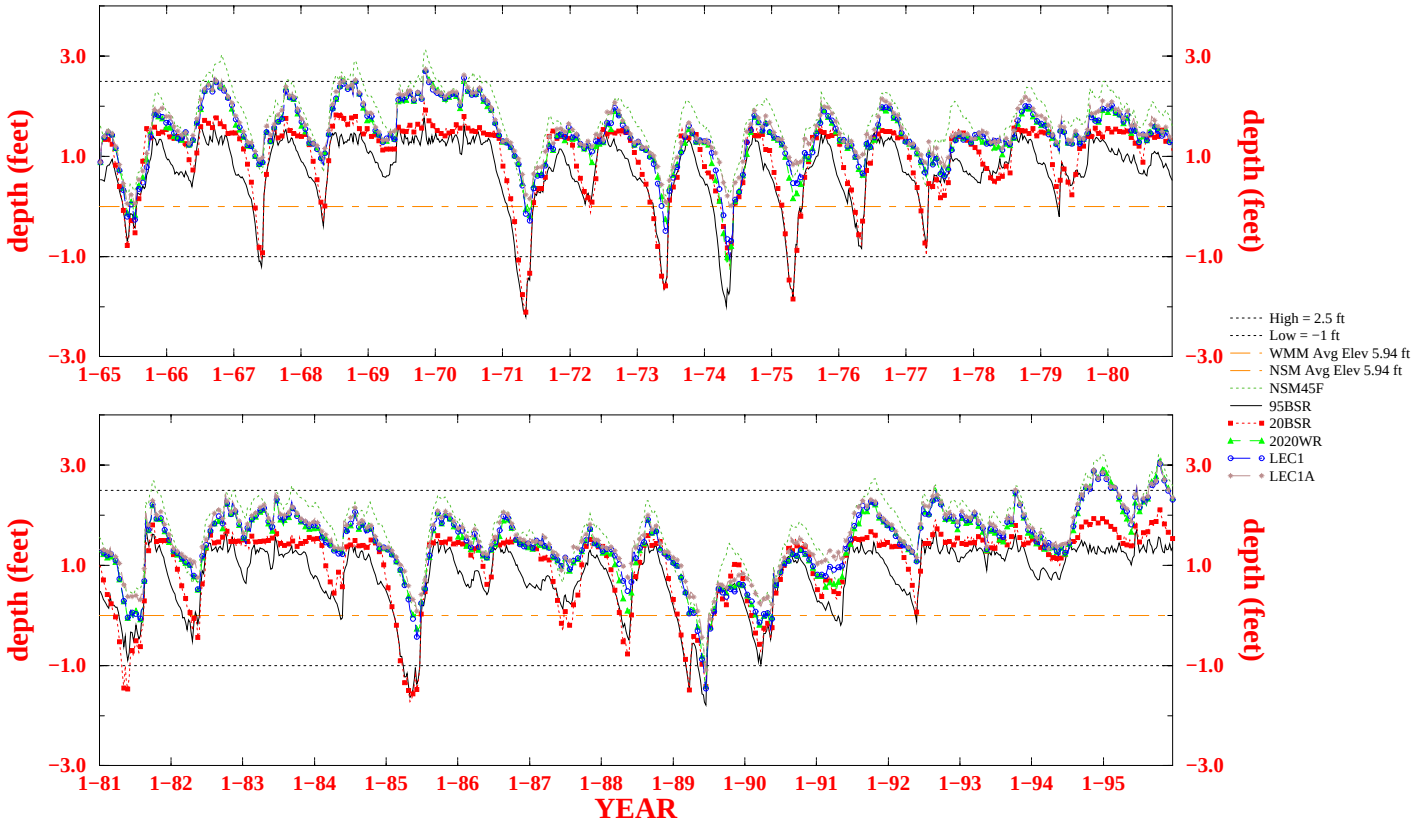


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:00:29 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for NE Shark River Slough

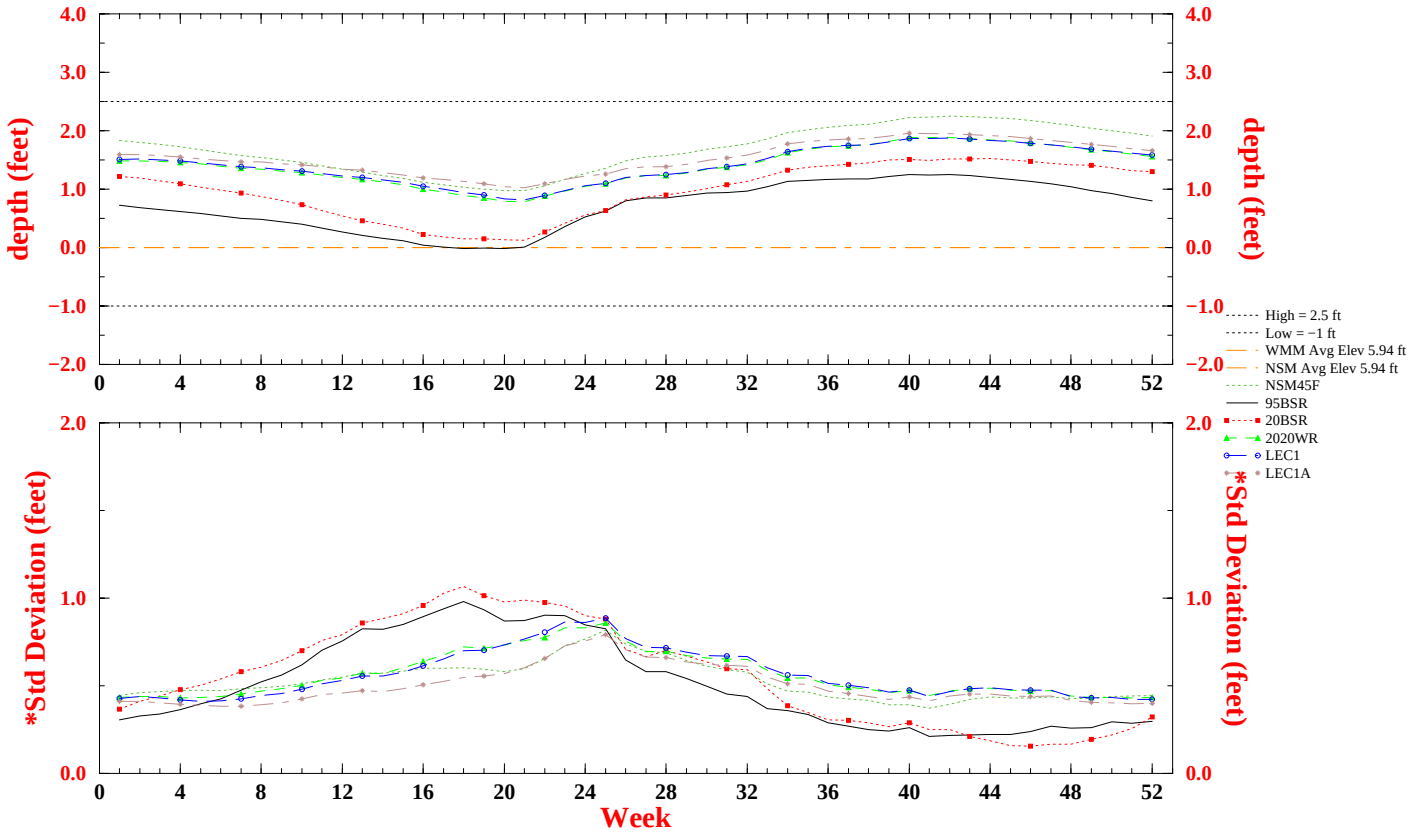
Indicator Region 11 (R19C22-23 R20C22-26 R21C22-26)



Run date: Fri Jan 28 22:00:41 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for NE Shark River Slough

Indicator Region 11 (R19C22-23 R20C22-26 R21C22-26)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

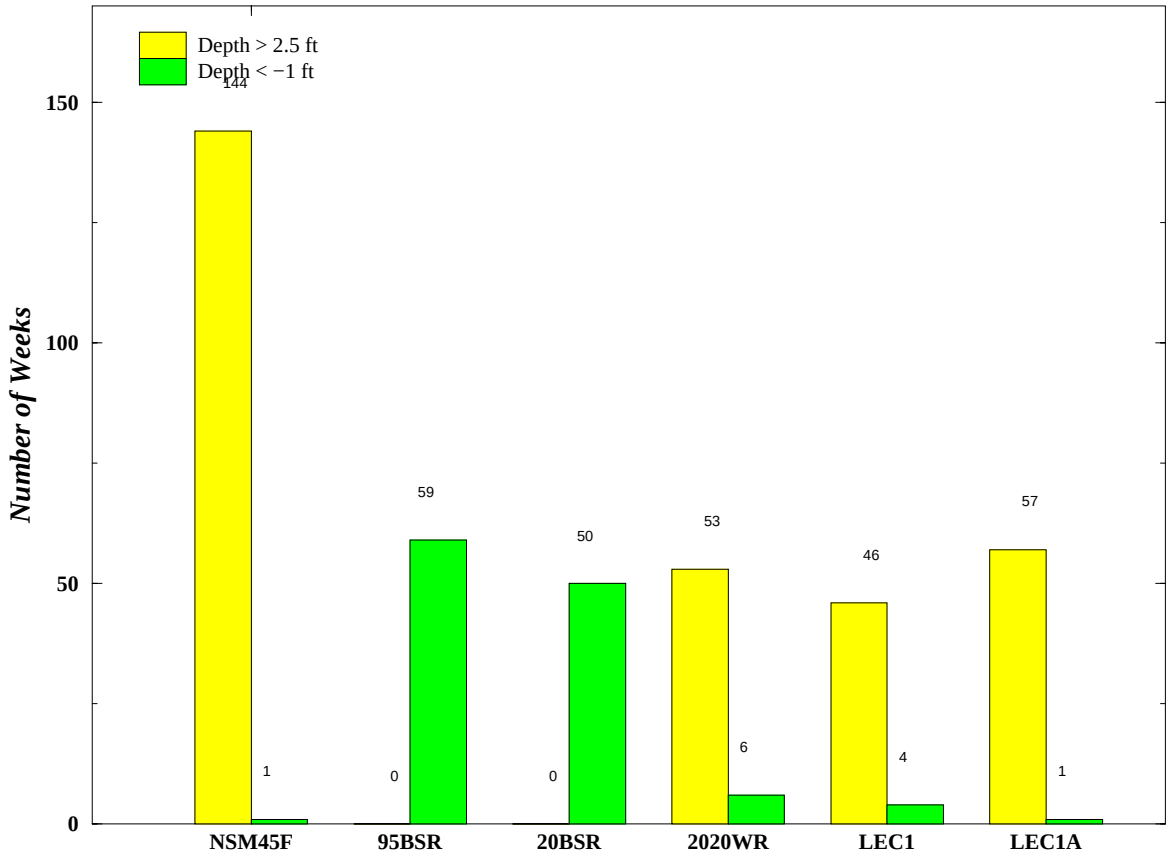
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:00:41 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 11 (R19C22-23 R20C22-26 R21C22-26)

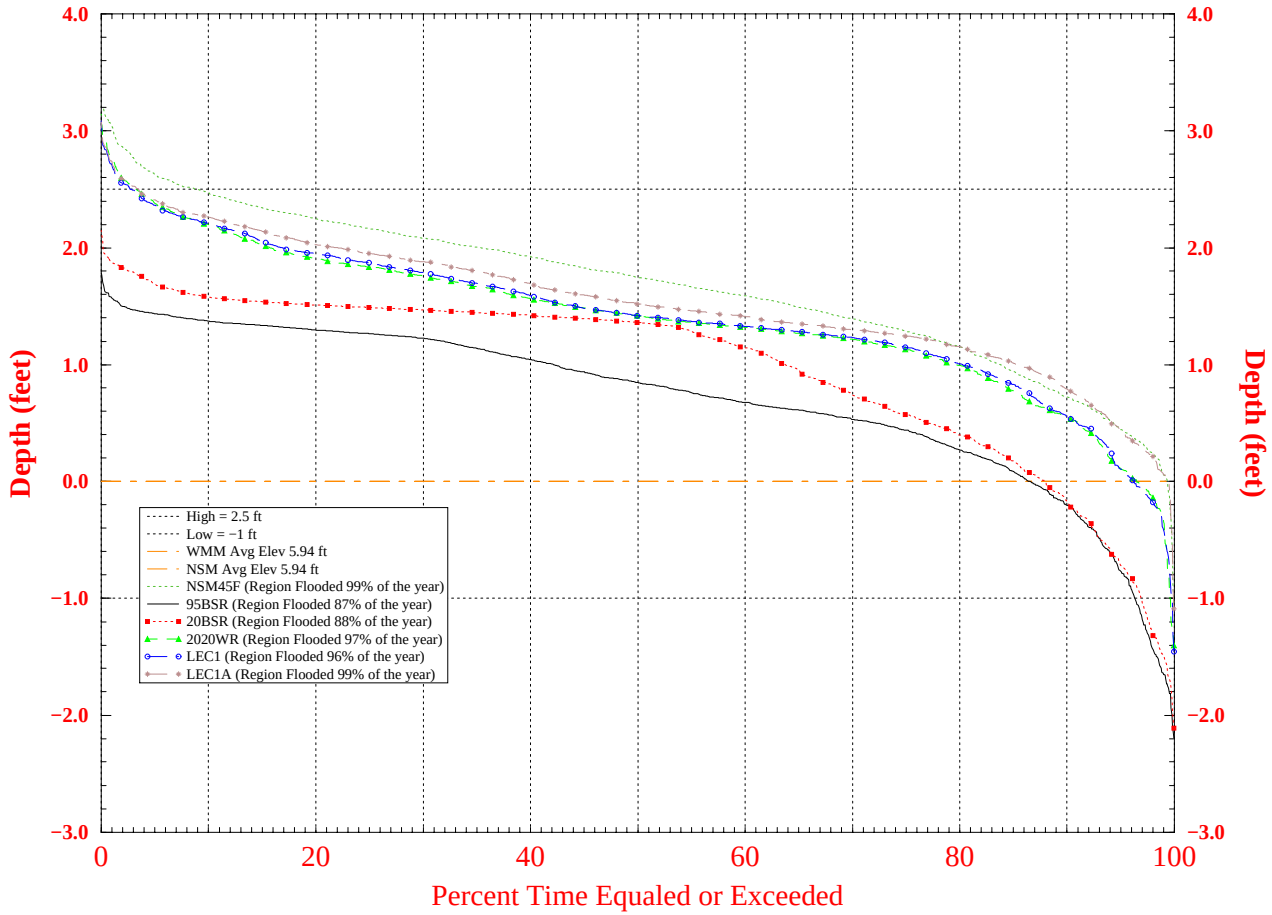


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:00:41 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for NE Shark River Slough

Indicator Region 11 (R19C22-23 R20C22-26 R21C22-26)

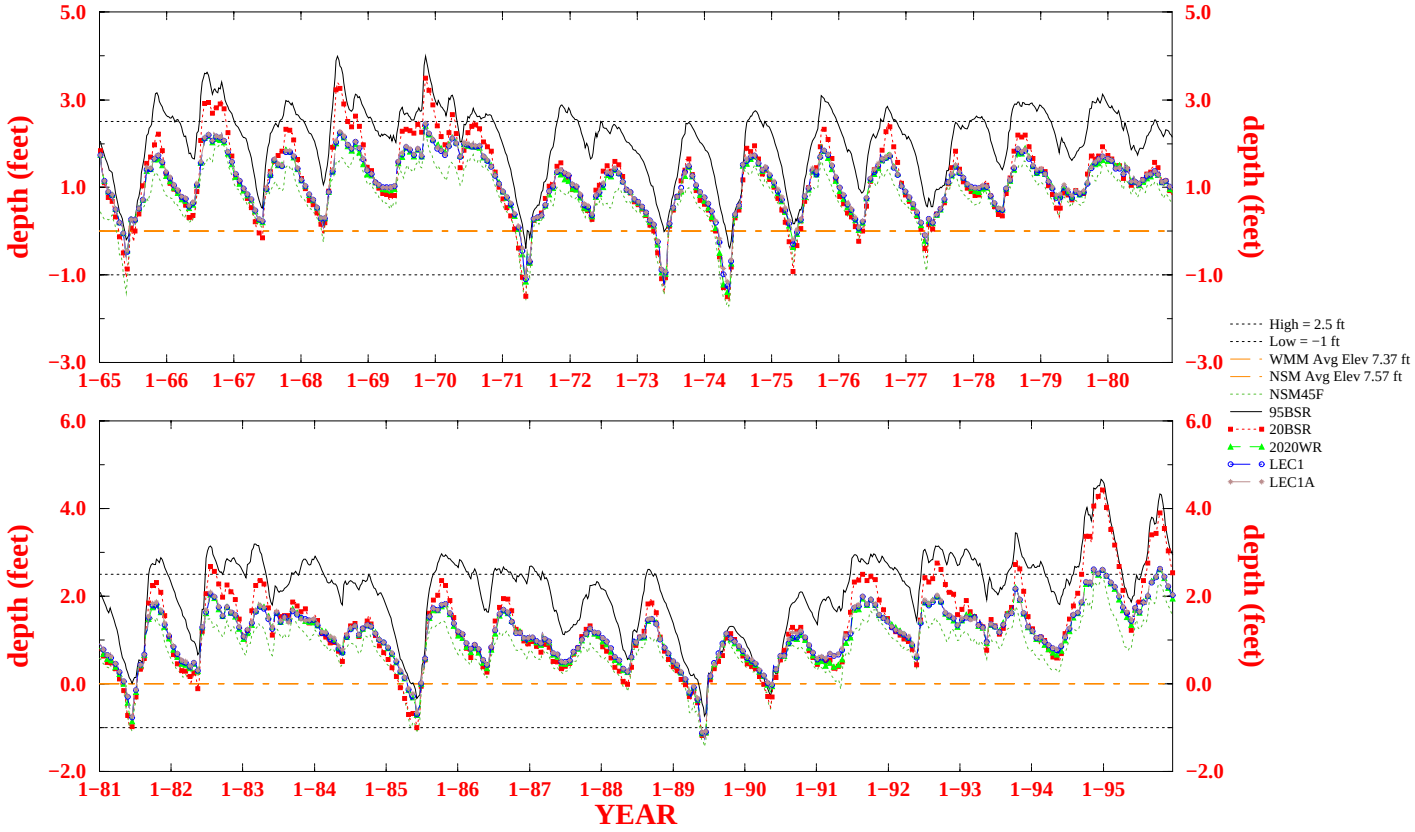


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:00:41 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for South WCA-3A

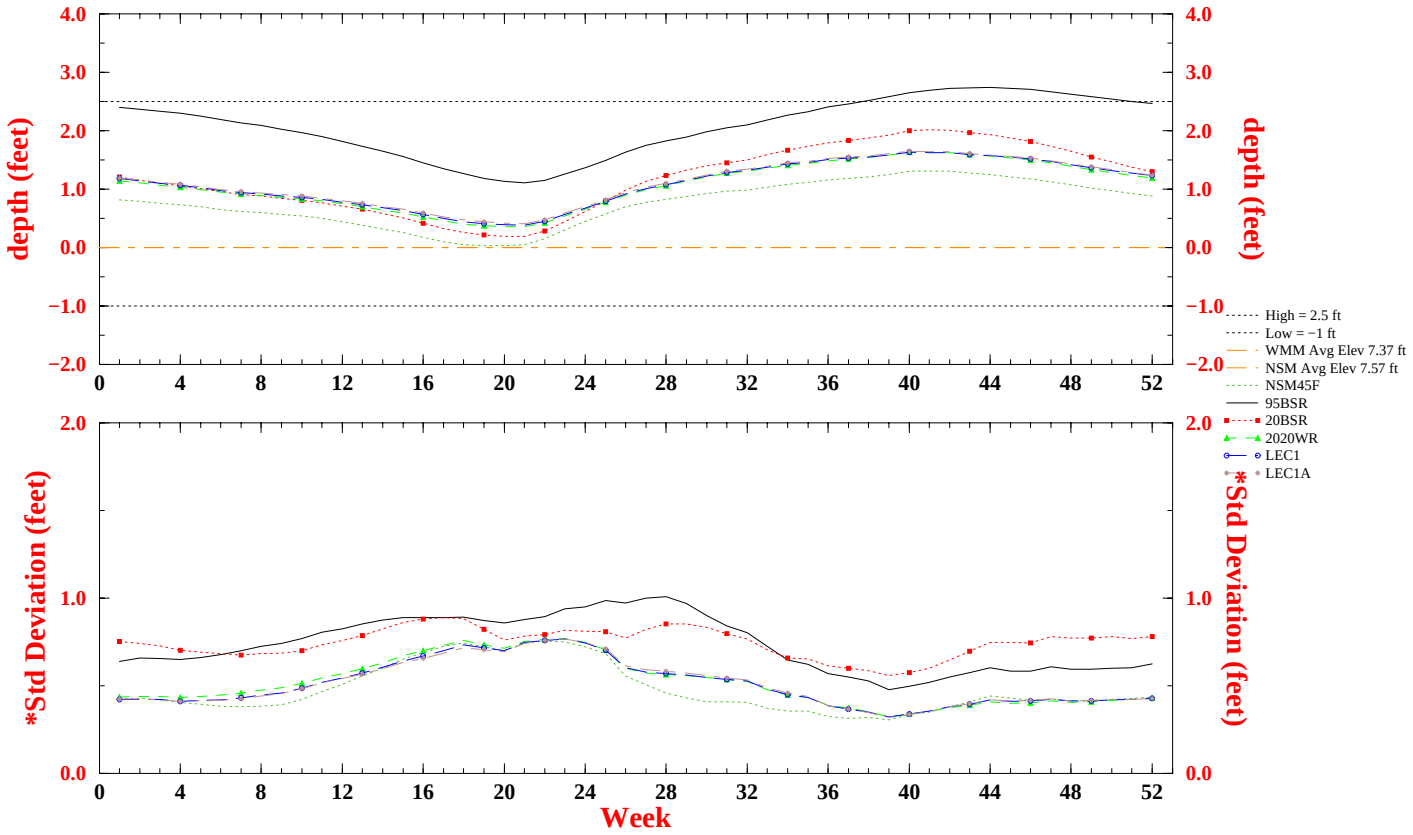
Indicator Region 14 (R23C17-20 R24C17-20 R25C17-21)



Run date: Fri Jan 28 22:01:10 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for South WCA-3A

Indicator Region 14 (R23C17-20 R24C17-20 R25C17-21)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

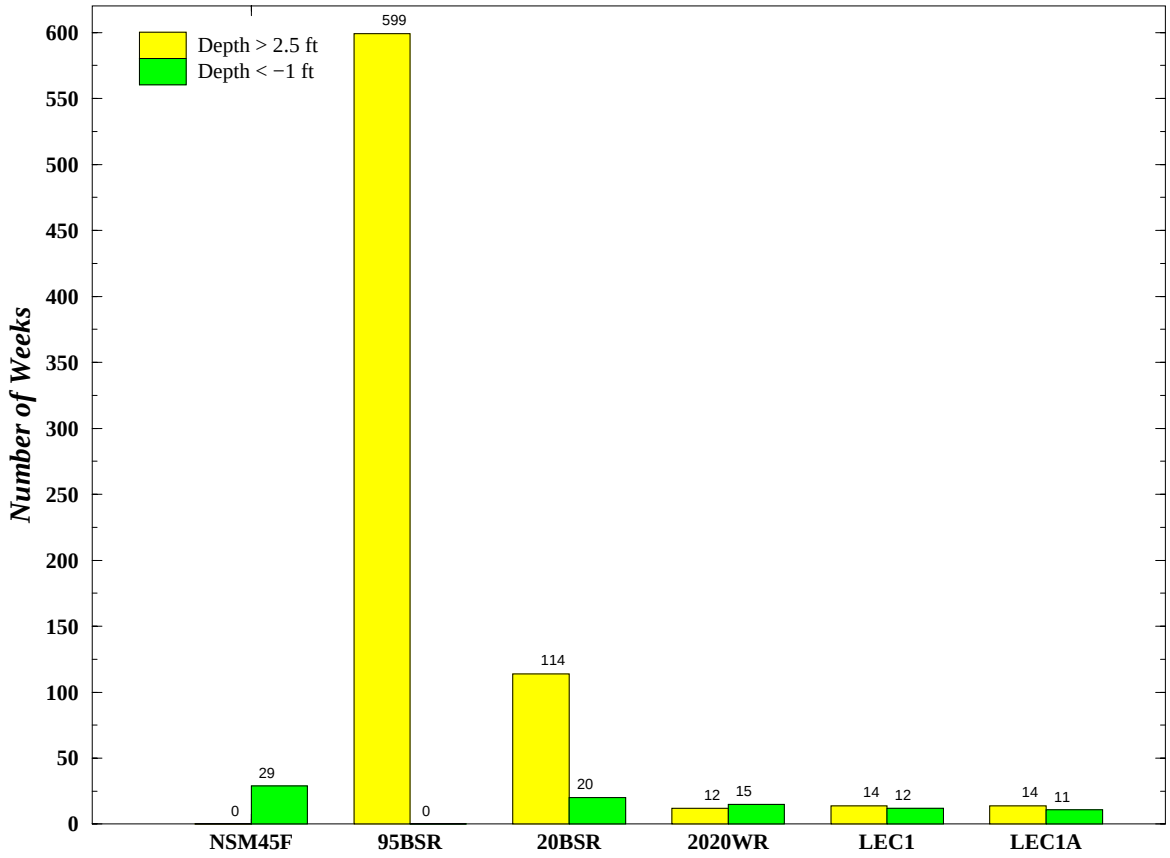
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:01:10 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 14 (R23C17-20 R24C17-20 R25C17-21)

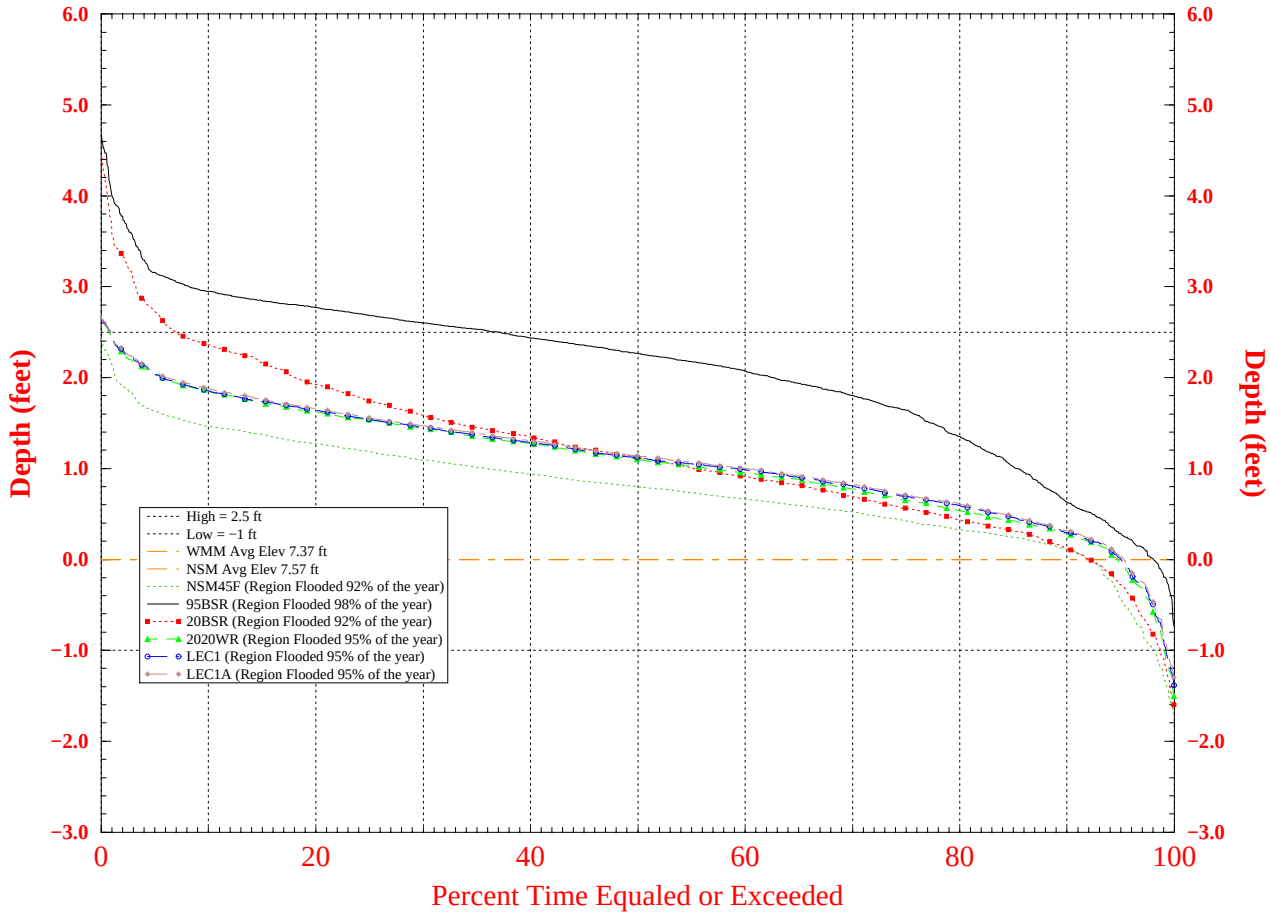


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:01:10 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for South WCA-3A

Indicator Region 14 (R23C17-20 R24C17-20 R25C17-21)

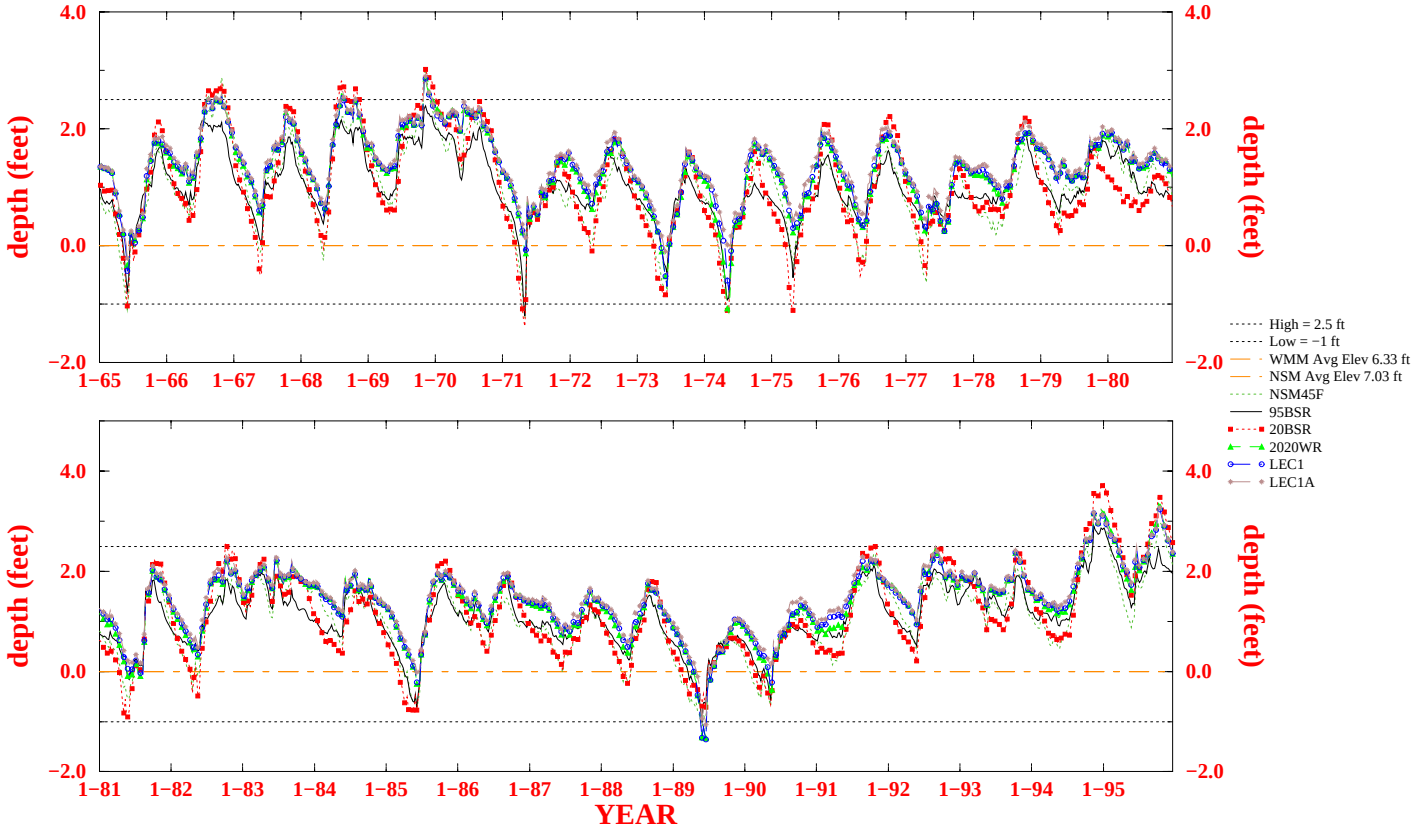


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:01:10 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for West WCA-3B

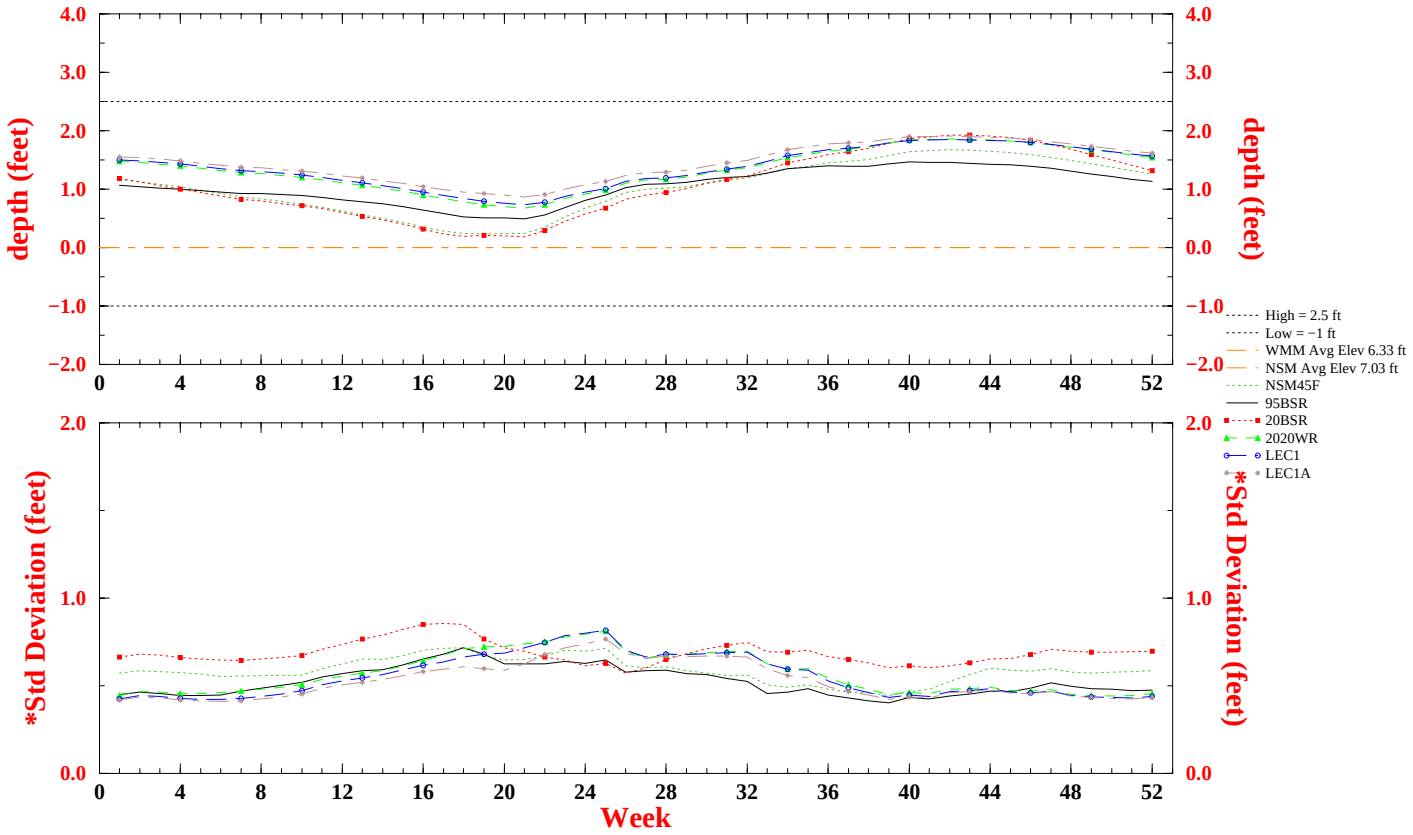
Indicator Region 15 (R23C23-23 R24C23-24 R25C24-25 R26C25-25 R27C25-25)



Run date: Fri Jan 28 22:01:19 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for West WCA-3B

Indicator Region 15 (R23C23-23 R24C23-24 R25C24-25 R26C25-25 R27C25-25)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

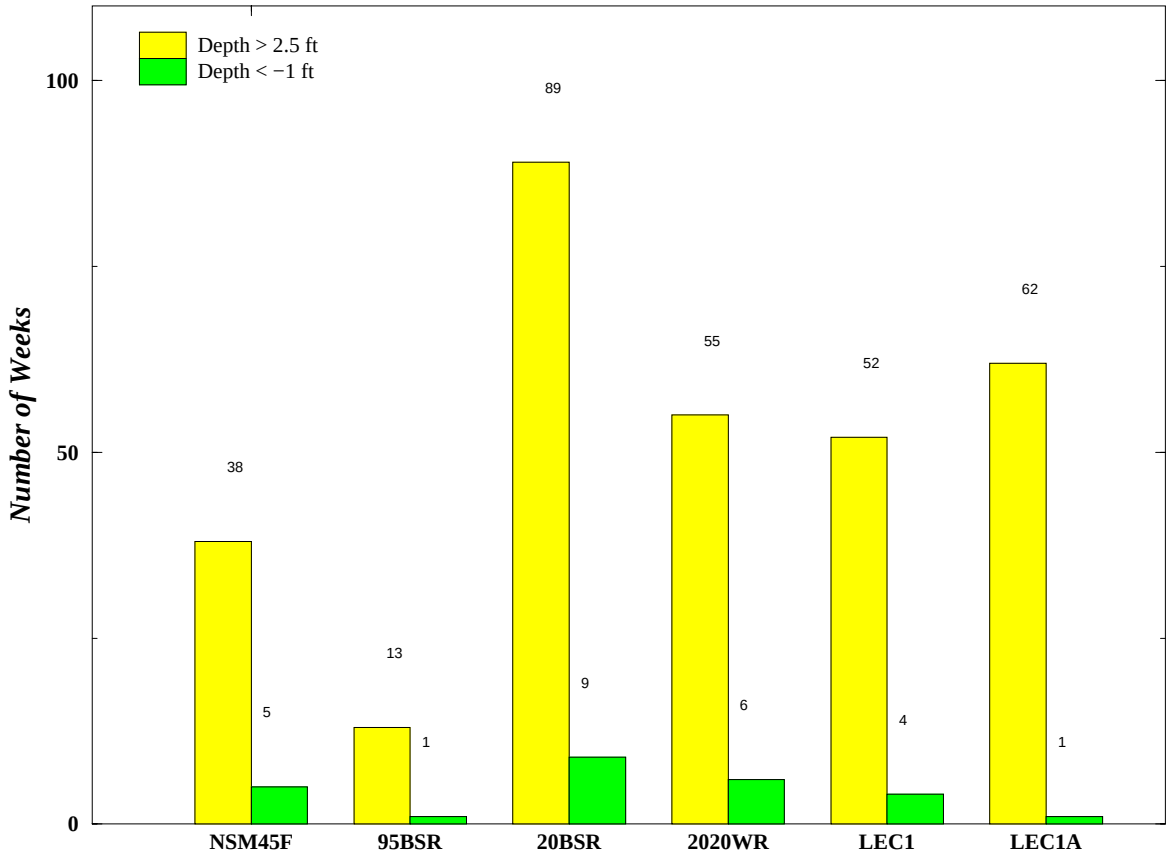
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:01:19 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 15 (R23C23-23 R24C23-24 R25C24-25 R26C25-25 R27C25-25)

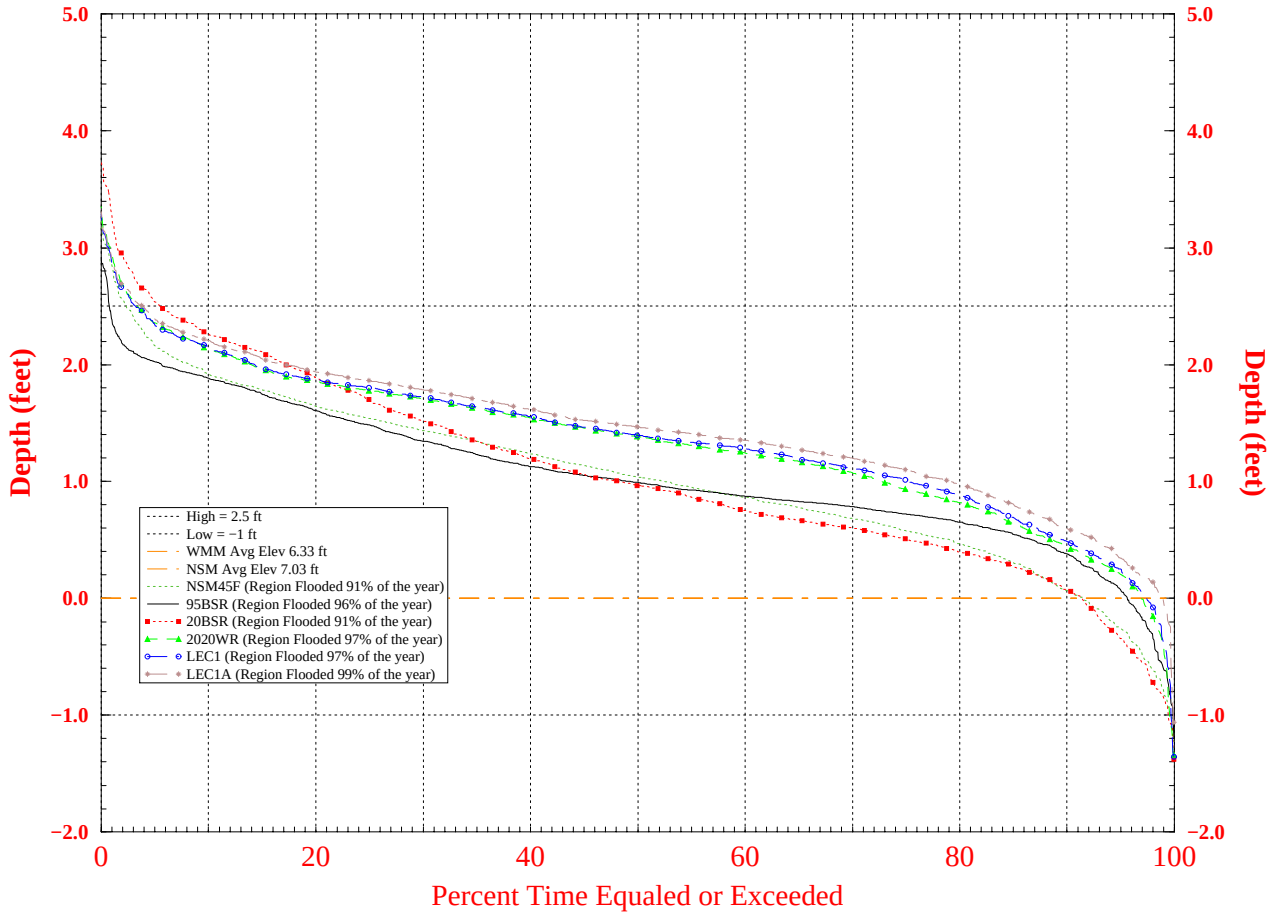


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:01:19 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for West WCA-3B

Indicator Region 15 (R23C23-23 R24C23-24 R25C24-25 R26C25-25 R27C25-25)

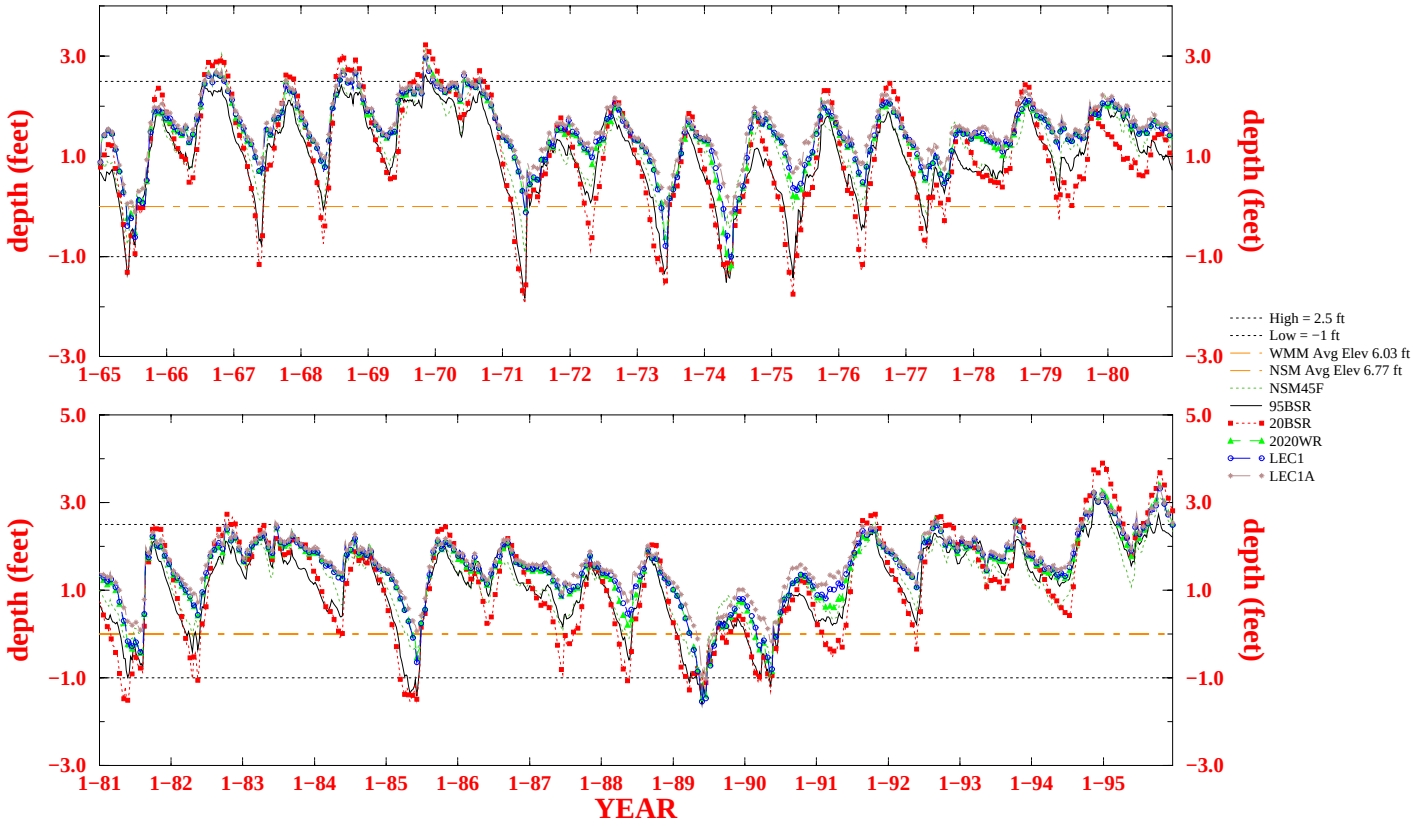


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:01:19 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for East WCA-3B

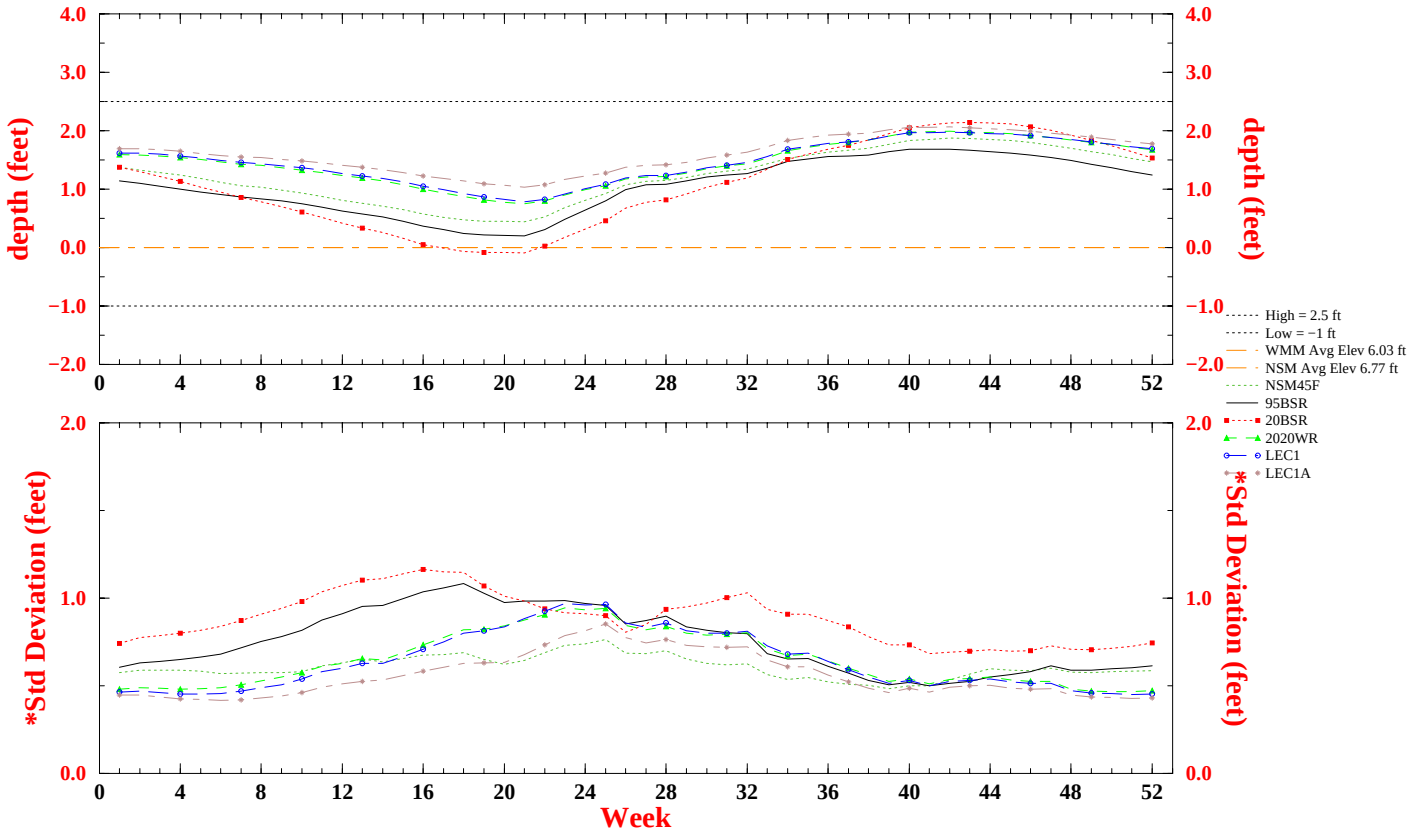
Indicator Region 16 (R23C24-26 R24C25-26 R25C26-26 R26C26-26)



Run date: Fri Jan 28 22:01:28 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for East WCA-3B

Indicator Region 16 (R23C24-26 R24C25-26 R25C26-26 R26C26-26)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

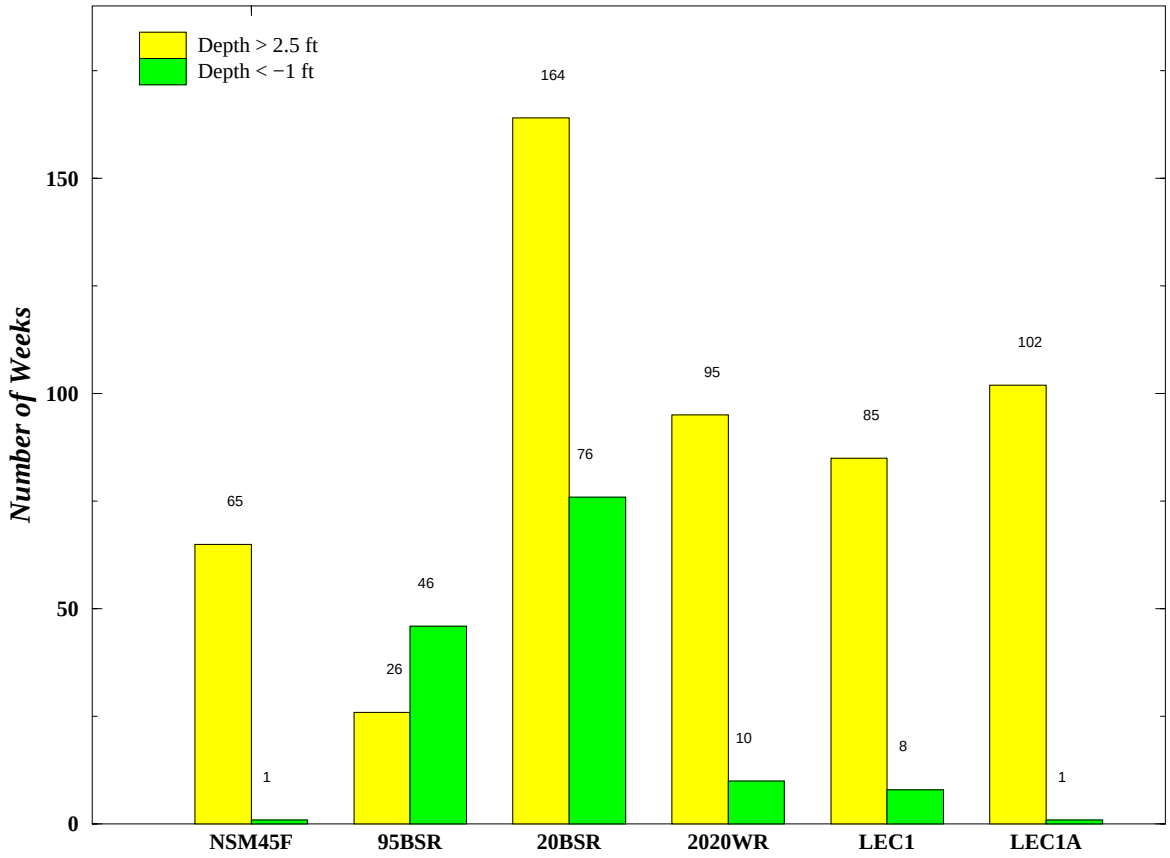
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:01:28 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 16 (R23C24-26 R24C25-26 R25C26-26 R26C26-26)

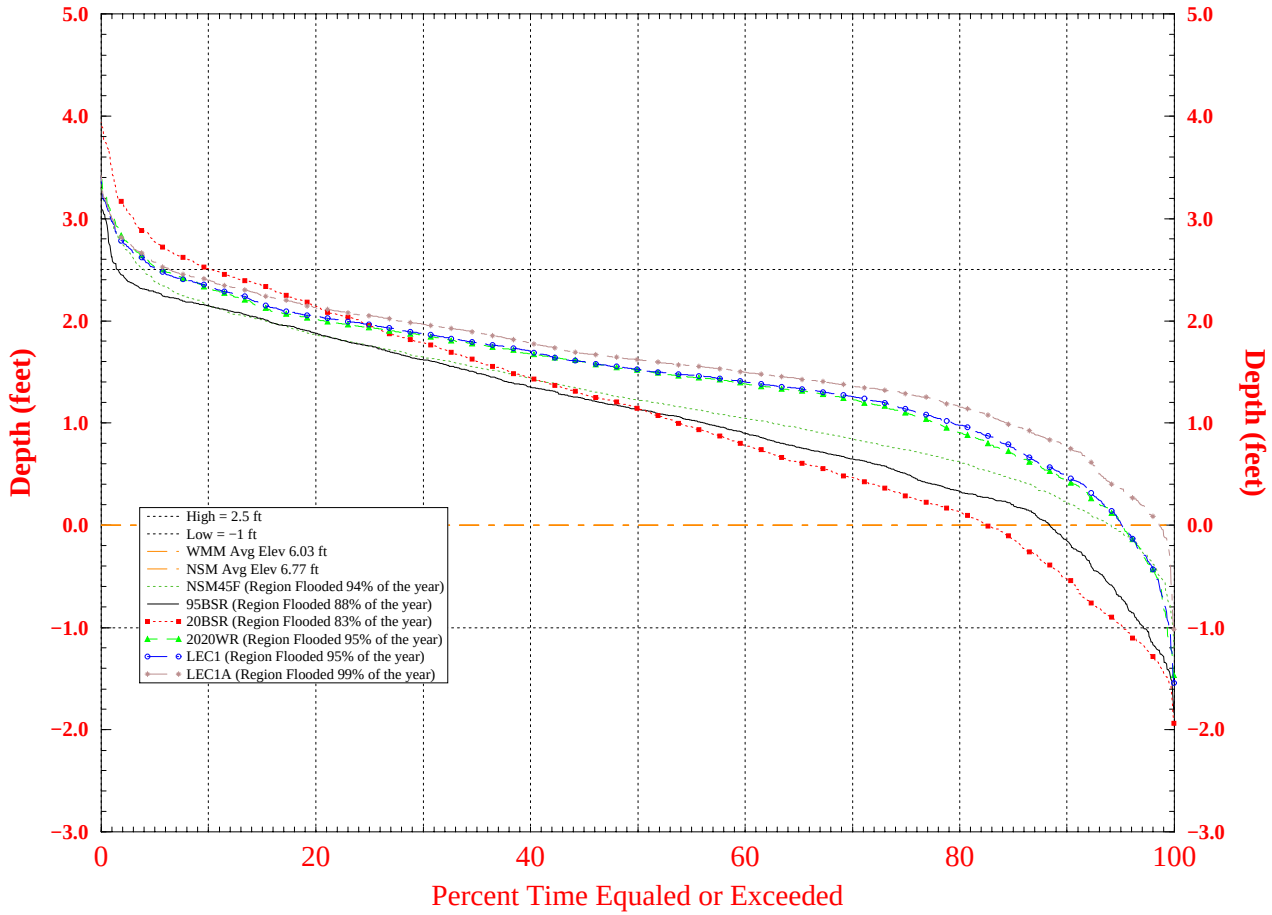


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:01:28 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for East WCA-3B

Indicator Region 16 (R23C24-26 R24C25-26 R25C26-26 R26C26-26)

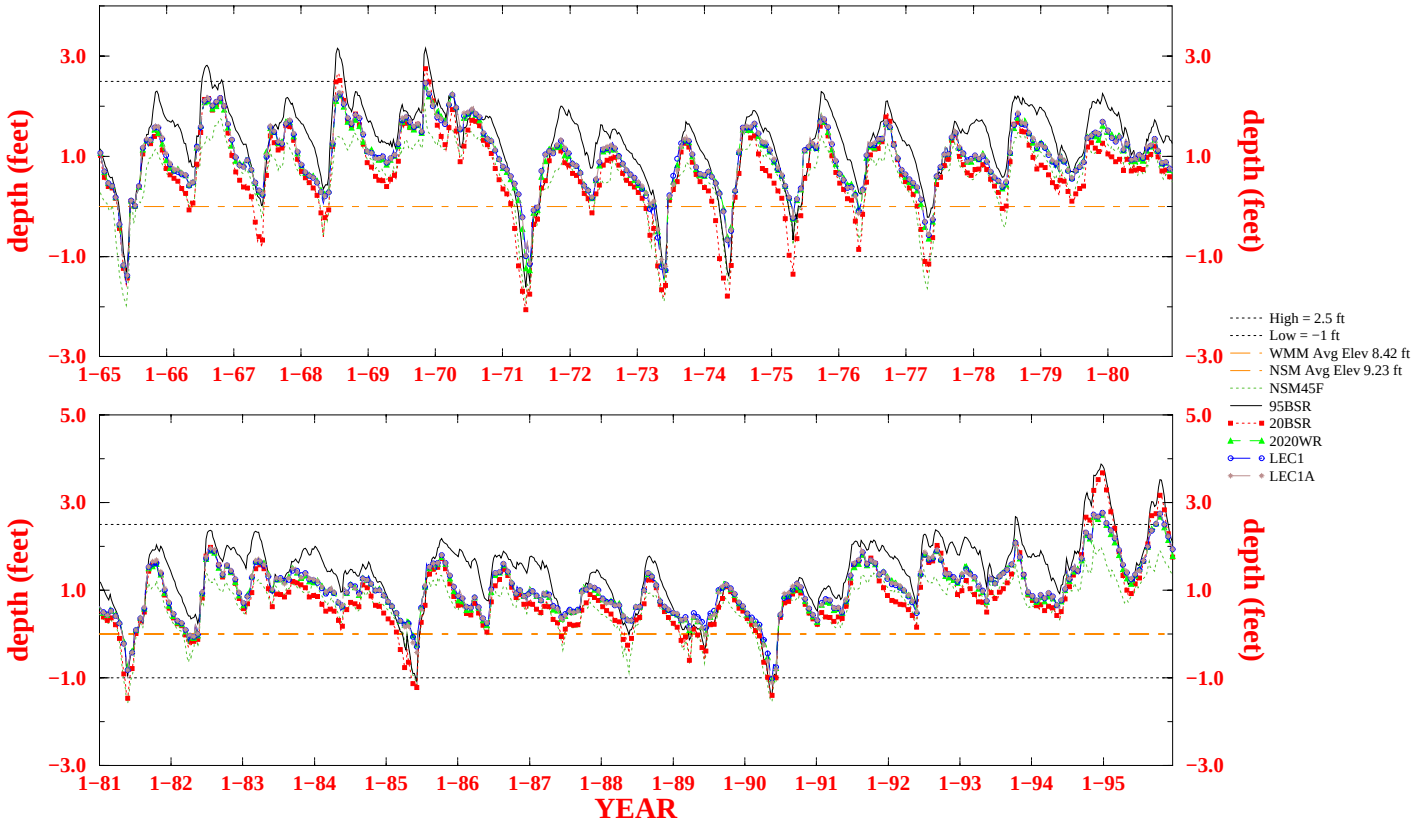


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:01:28 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for South Central WCA-3A

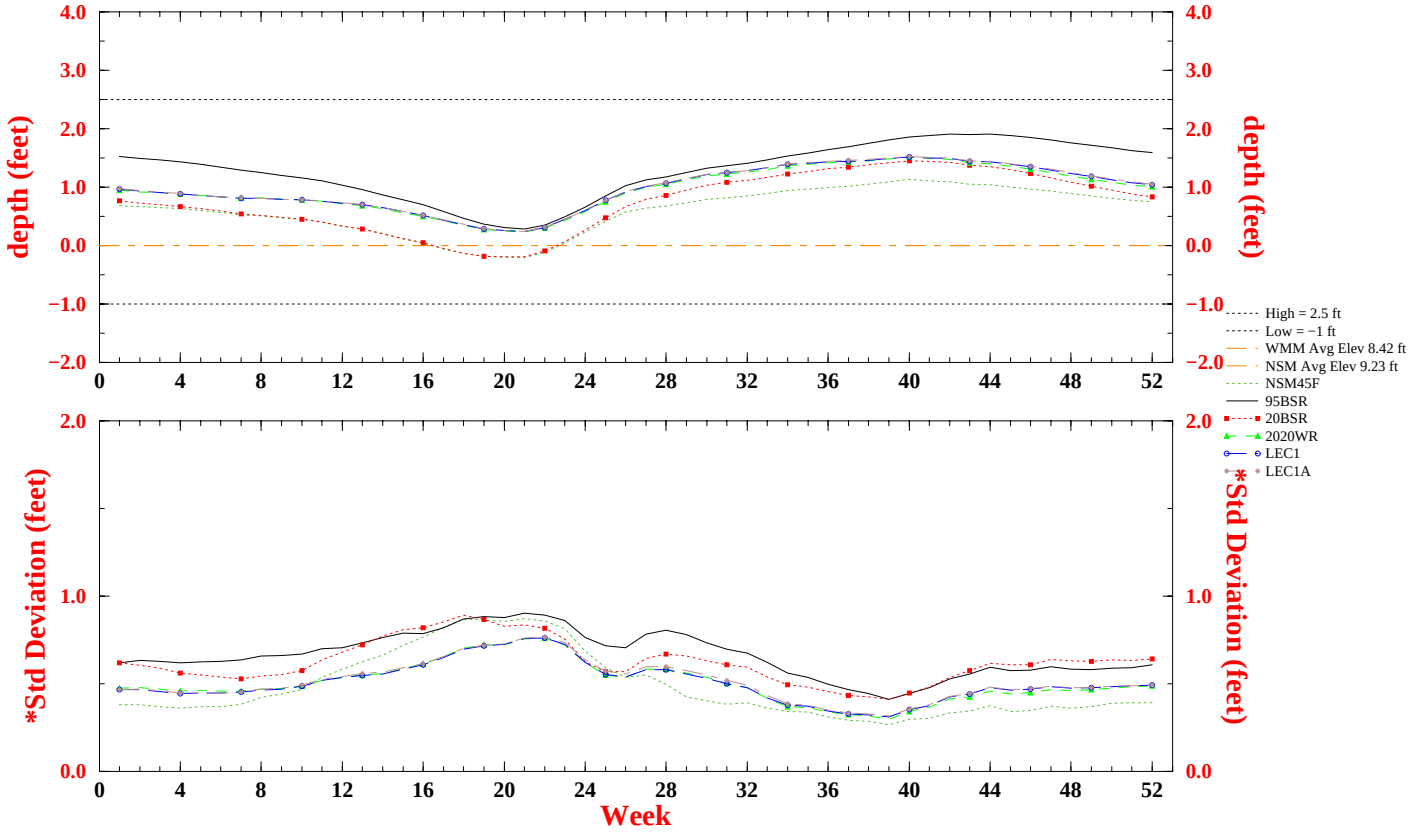
Indicator Region 17 (R28C17-21 R29C17-22 R30C18-22 R31C18-22)



Run date: Fri Jan 28 22:01:48 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for South Central WCA-3A

Indicator Region 17 (R28C17-21 R29C17-22 R30C18-22 R31C18-22)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

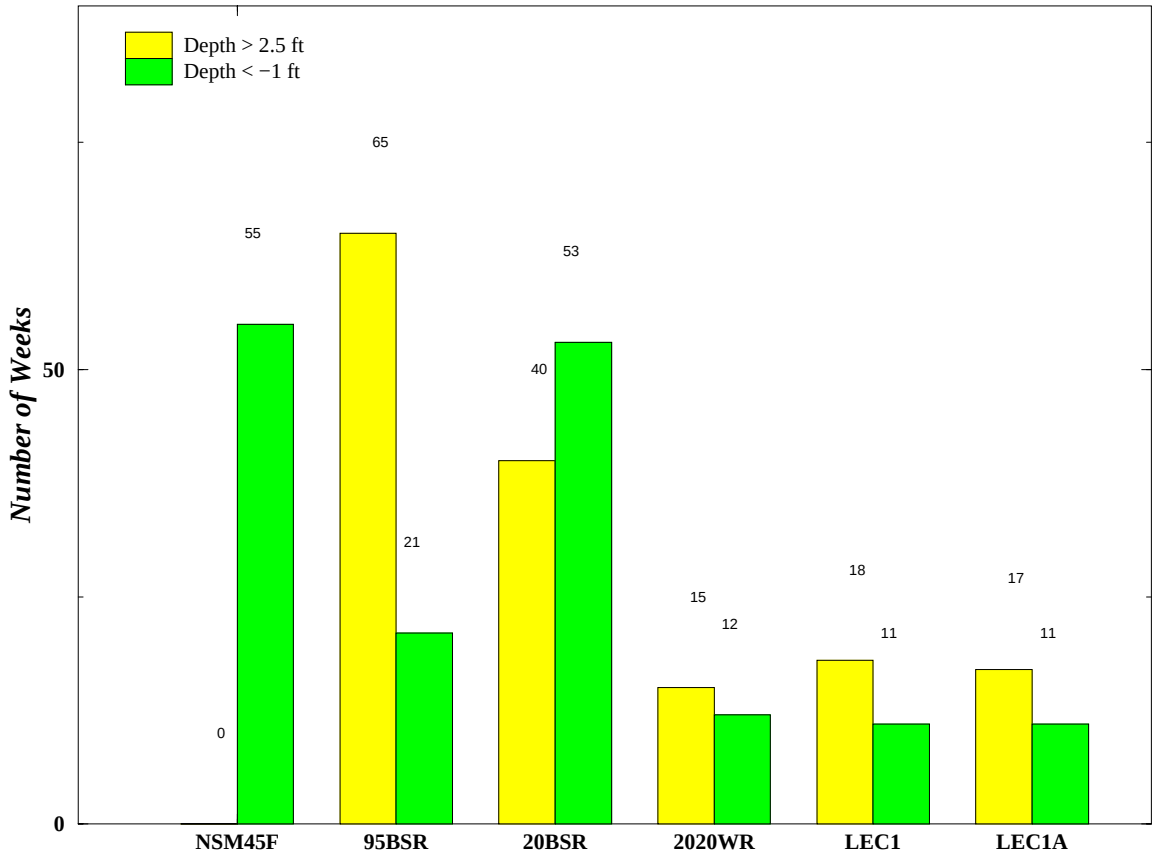
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:01:48 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 17 (R28C17-21 R29C17-22 R30C18-22 R31C18-22)

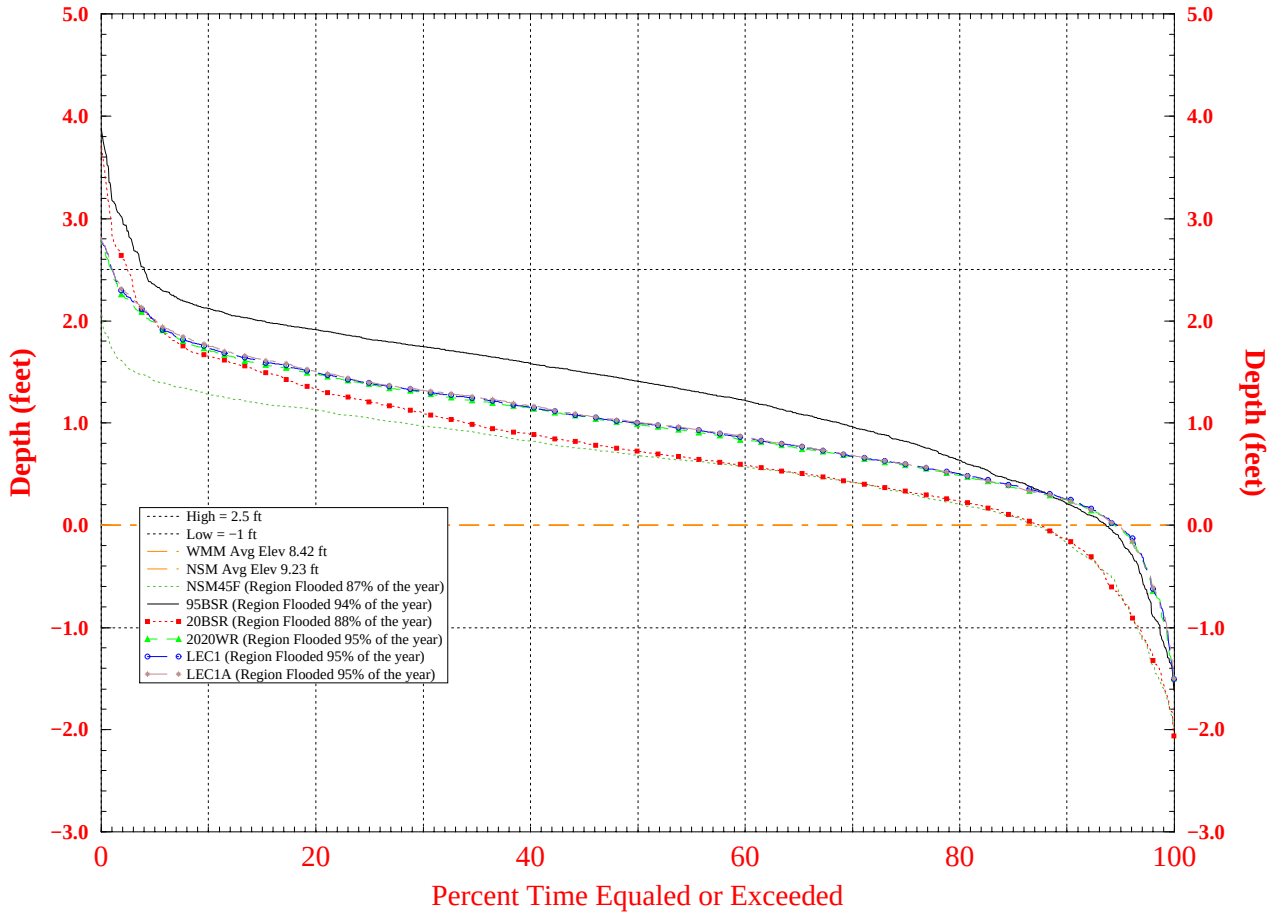


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:01:48 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for South Central WCA-3A

Indicator Region 17 (R28C17-21 R29C17-22 R30C18-22 R31C18-22)

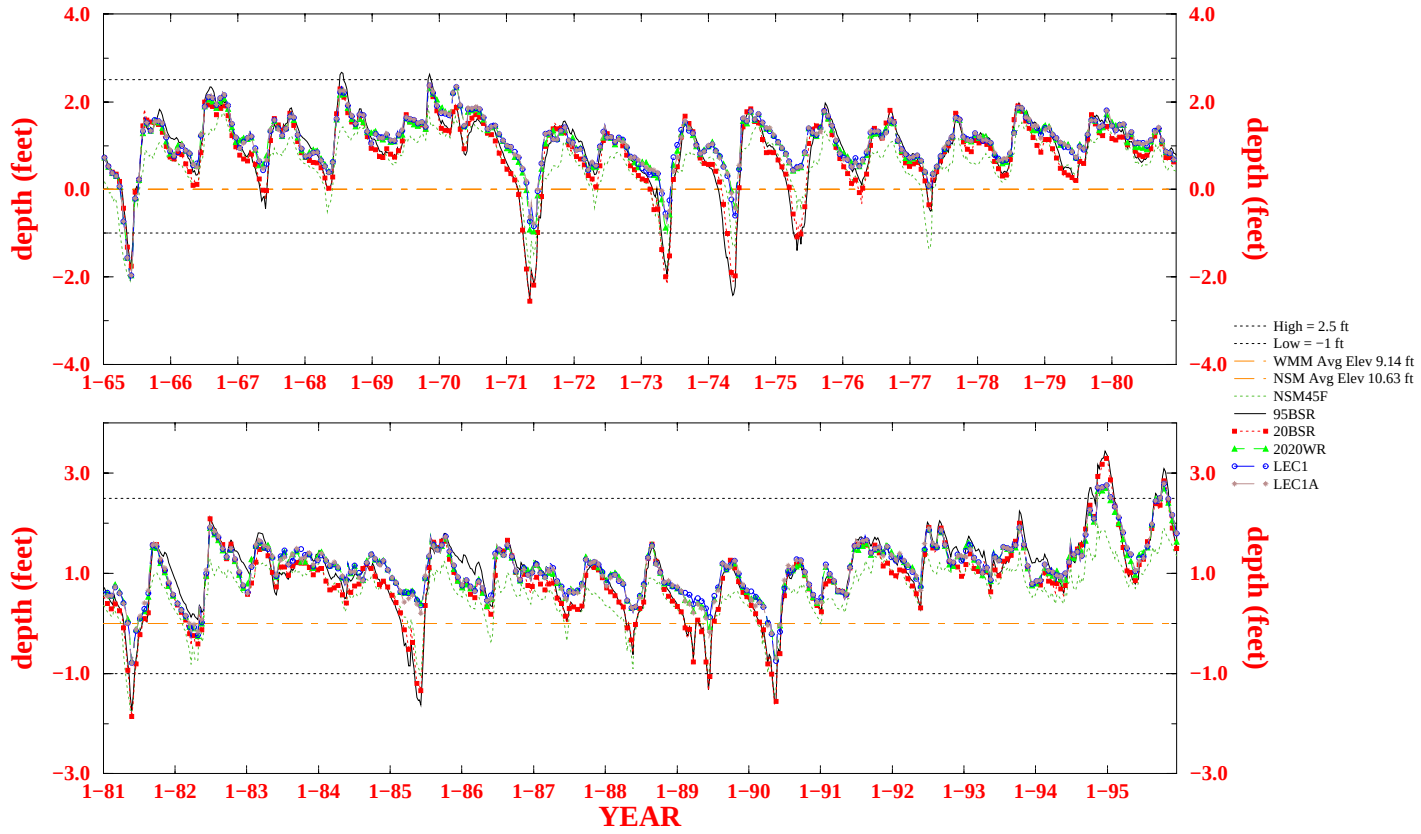


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:01:48 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for North Central WCA-3A

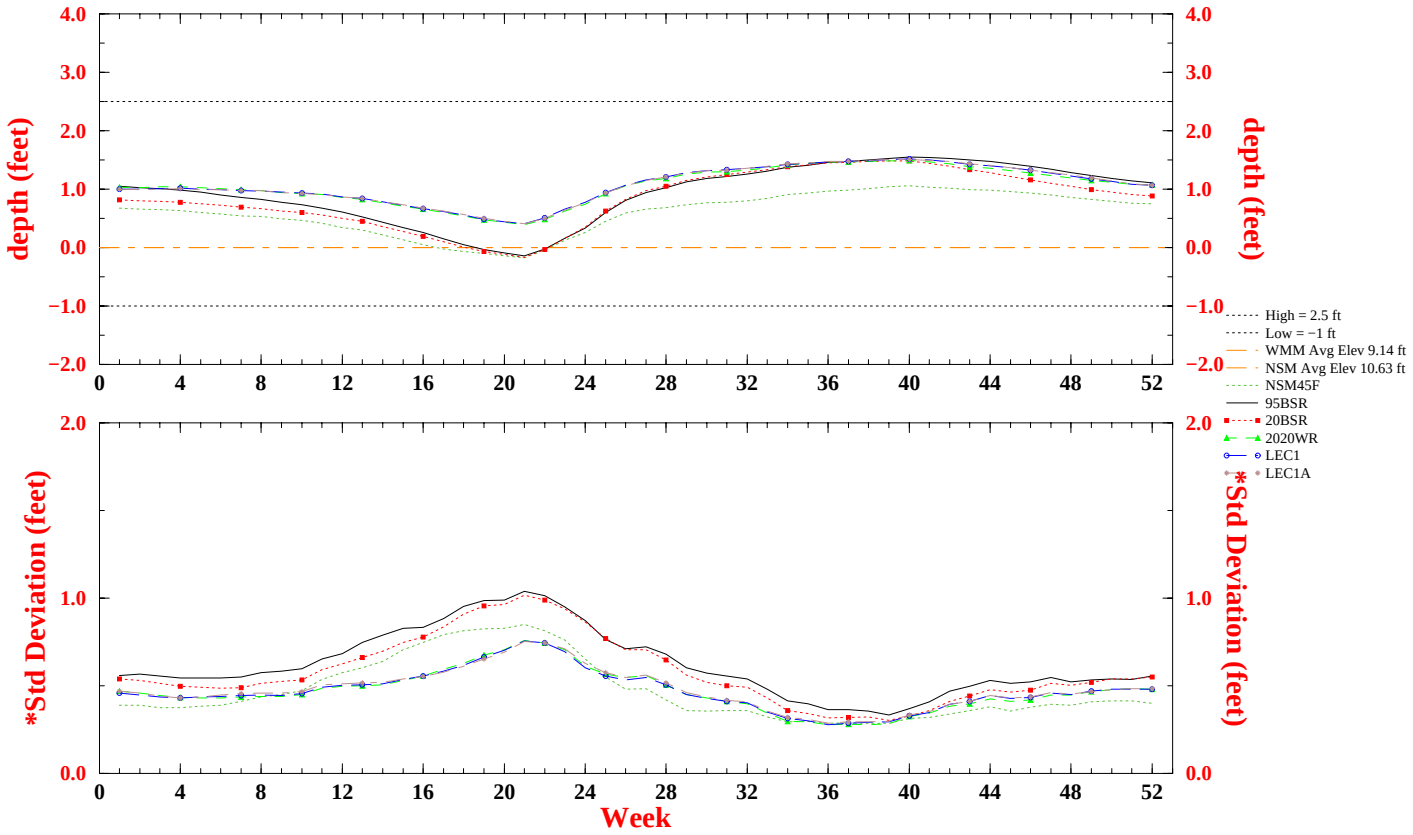
Indicator Region 18 (R33C18-21 R34C18-21)



Run date: Fri Jan 28 22:01:58 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for North Central WCA-3A

Indicator Region 18 (R33C18-21 R34C18-21)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

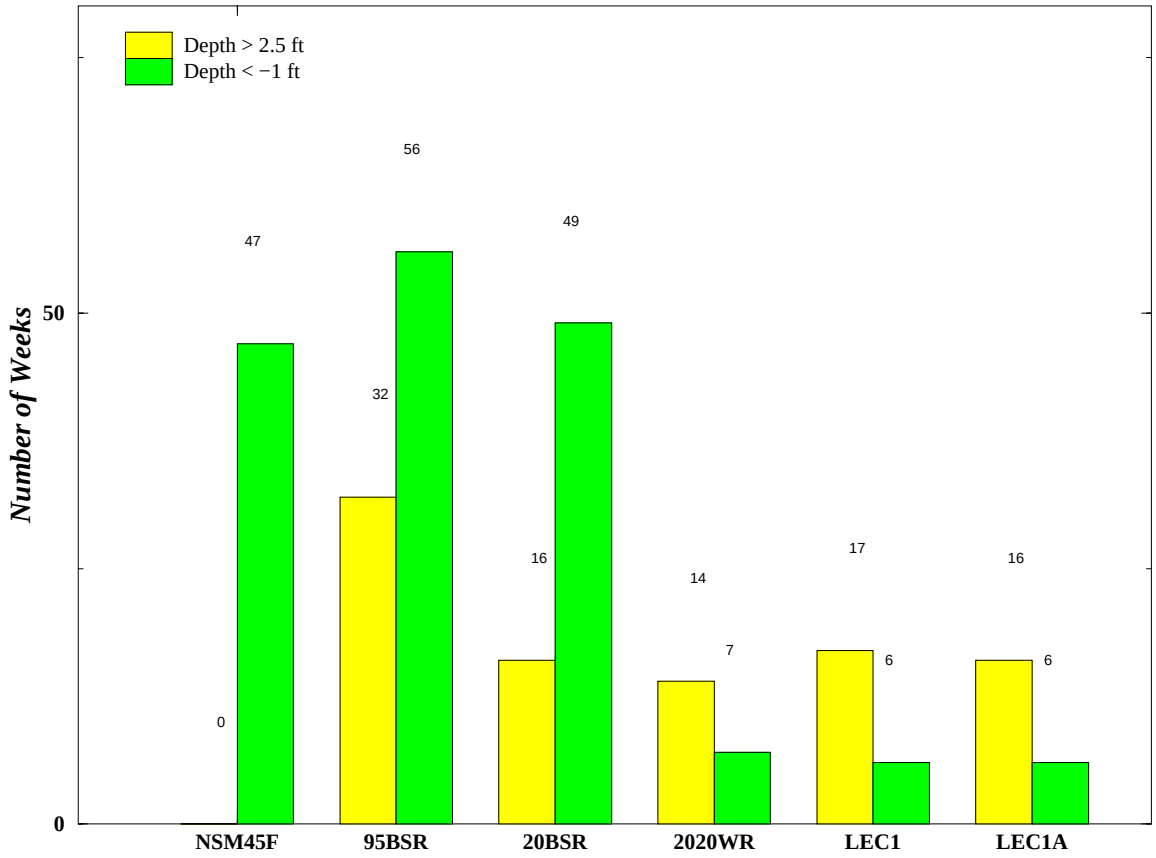
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:01:58 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 18 (R33C18-21 R34C18-21)

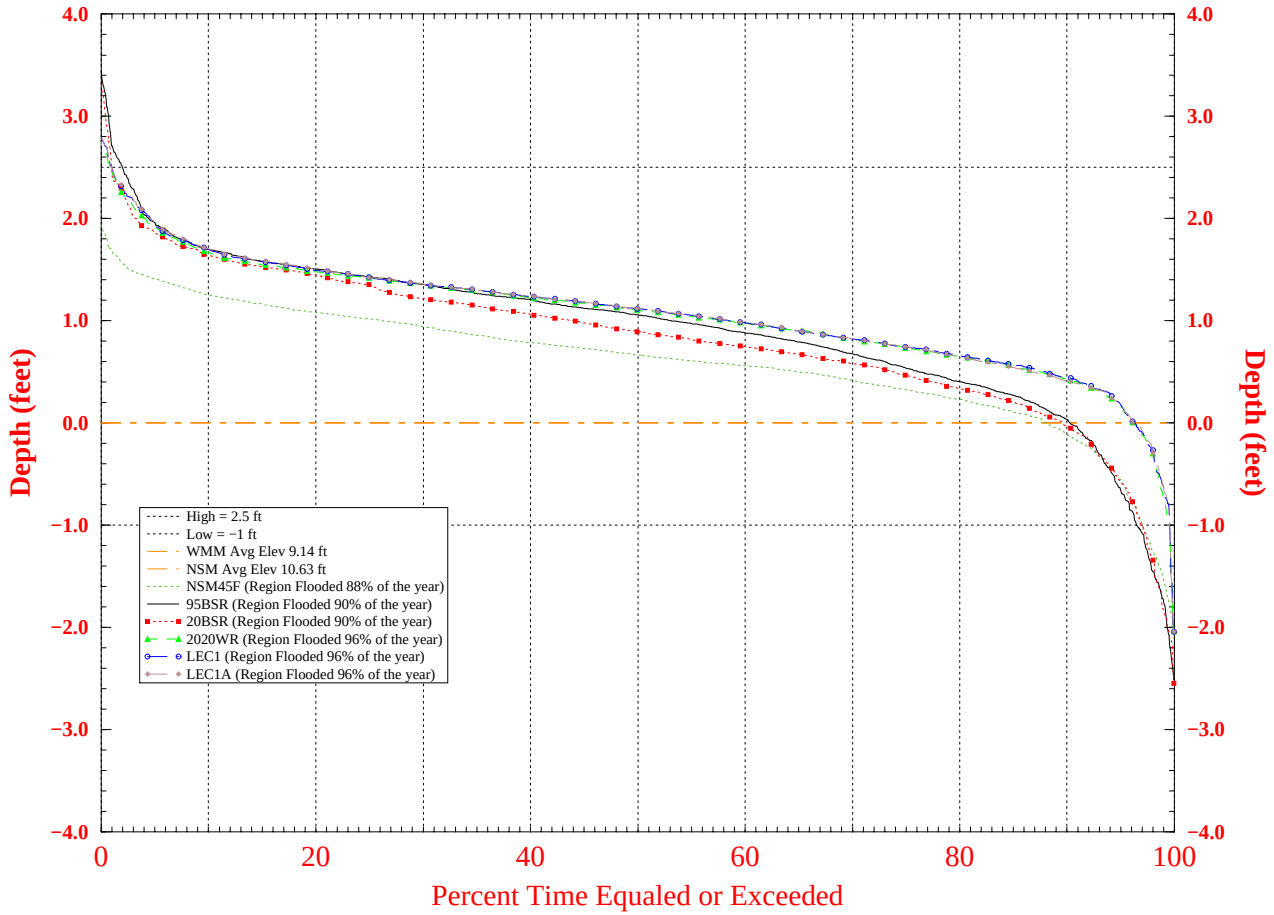


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:01:58 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for North Central WCA-3A

Indicator Region 18 (R33C18-21 R34C18-21)

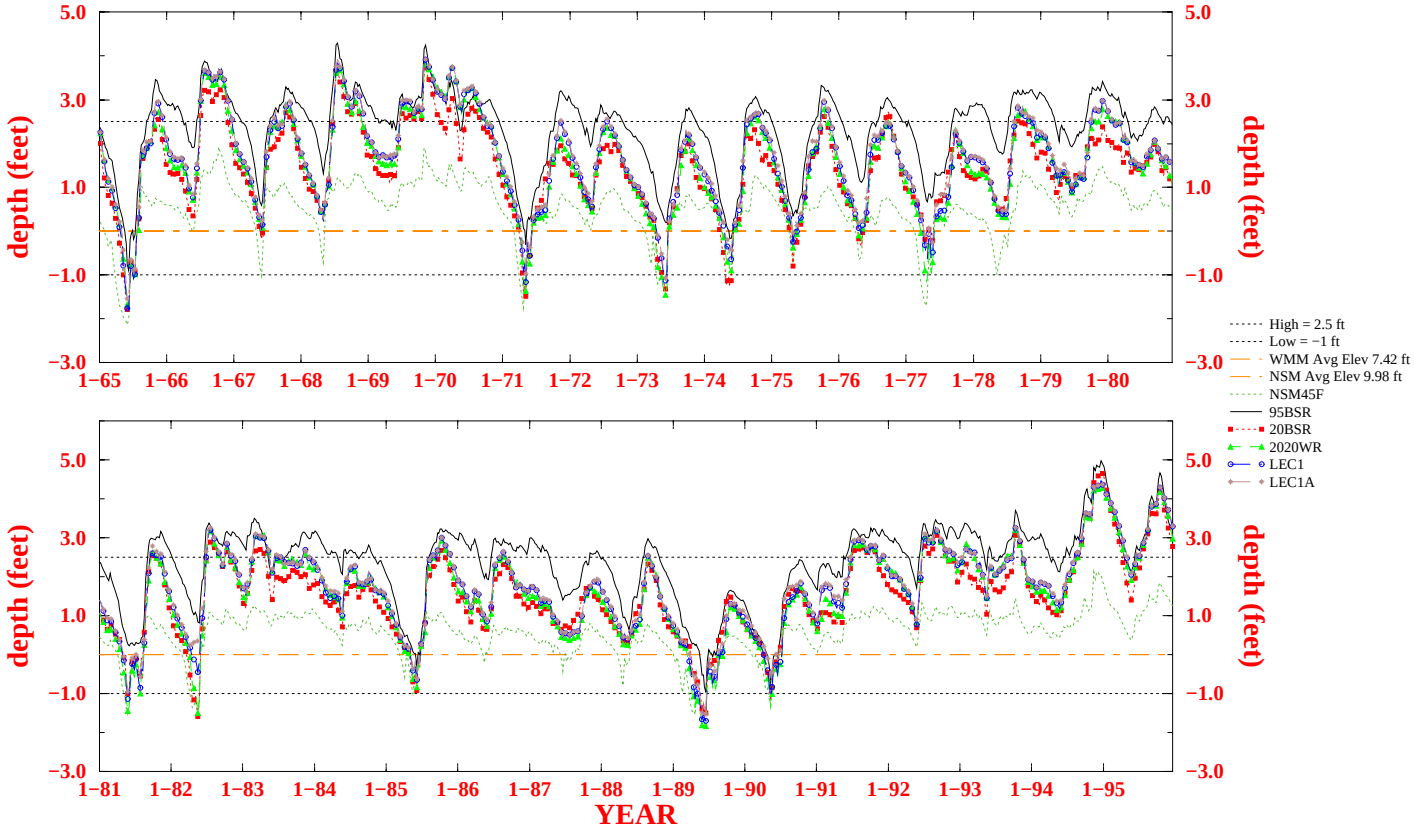


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:01:58 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for East WCA-3A

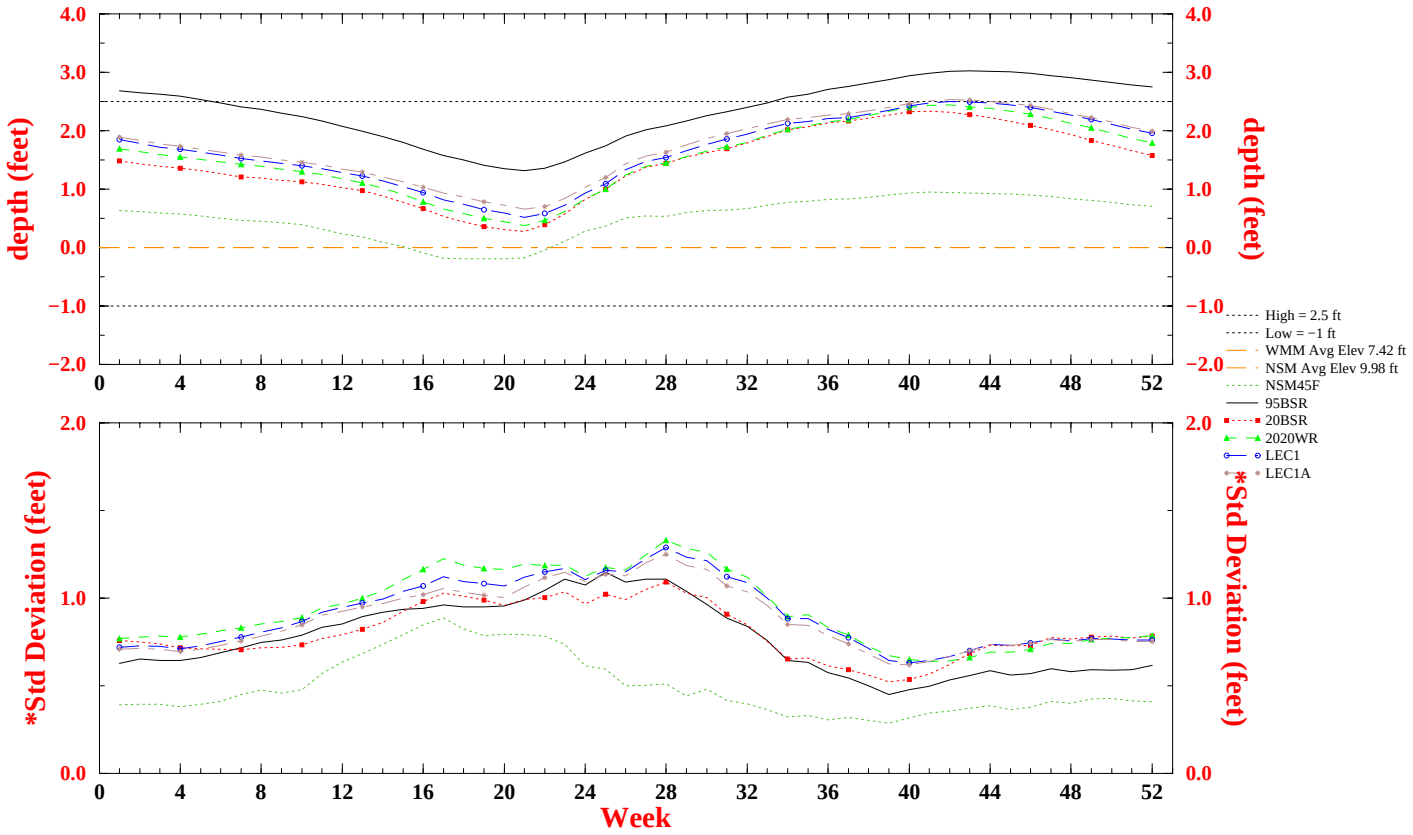
Indicator Region 19 (R33C25-27 R34C25-27)



Run date: Fri Jan 28 22:02:06 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for East WCA-3A

Indicator Region 19 (R33C25-27 R34C25-27)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

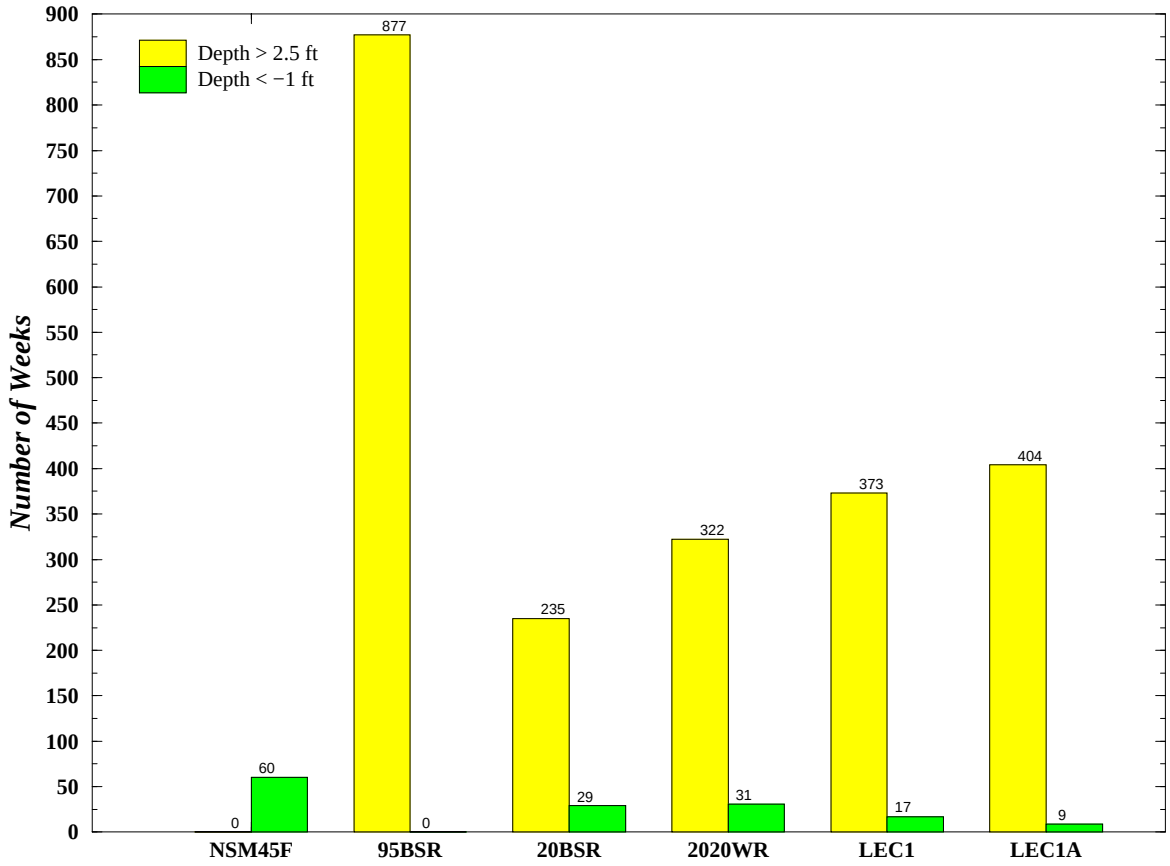
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:02:06 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 19 (R33C25-27 R34C25-27)

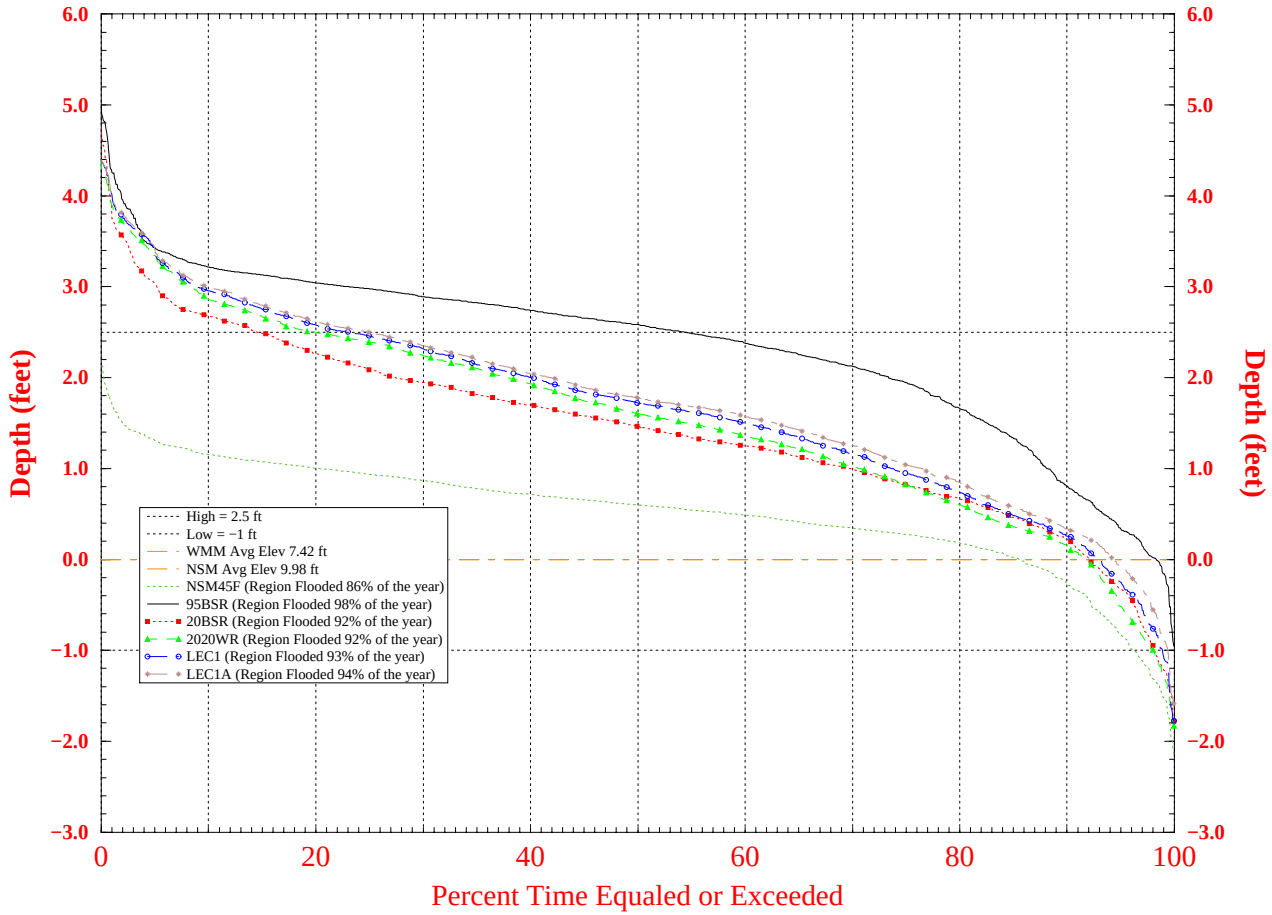


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:02:06 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for East WCA-3A

Indicator Region 19 (R33C25-27 R34C25-27)

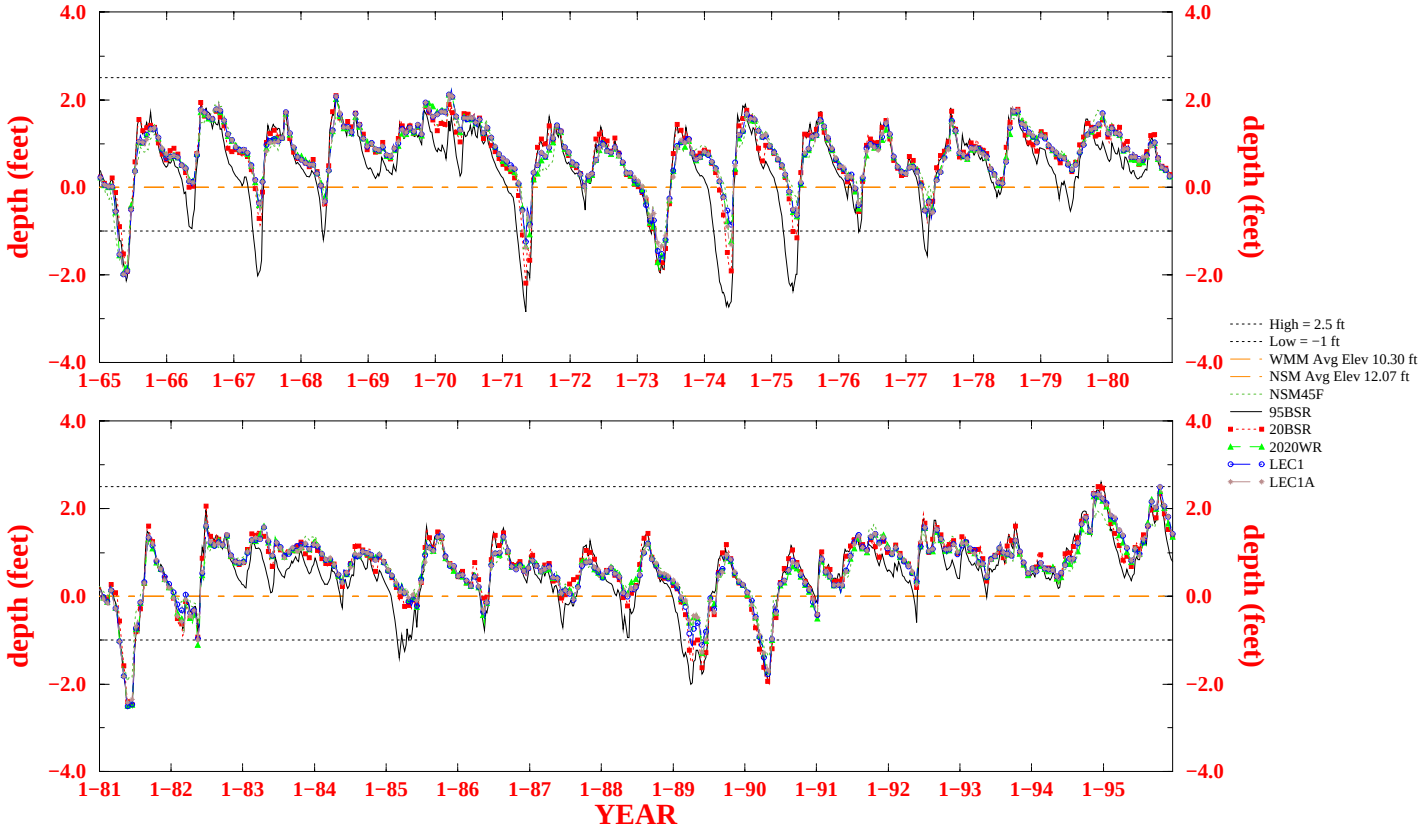


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:02:06 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for NW WCA-3A

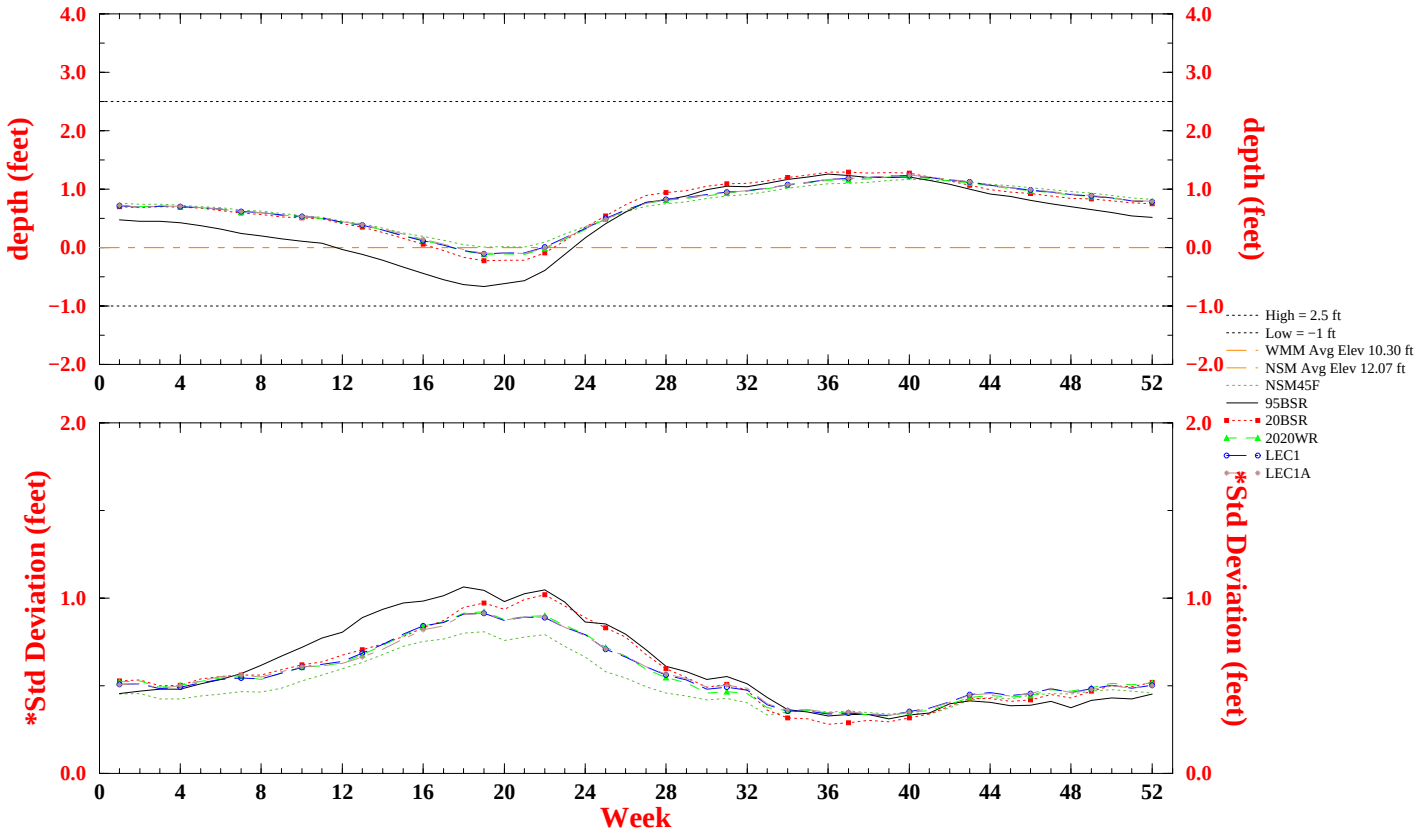
Indicator Region 20 (R36C18-18 R37C18-19 R38C17-19 R39C18-18)



Run date: Fri Jan 28 22:02:15 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for NW WCA-3A

Indicator Region 20 (R36C18-18 R37C18-19 R38C17-19 R39C18-18)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

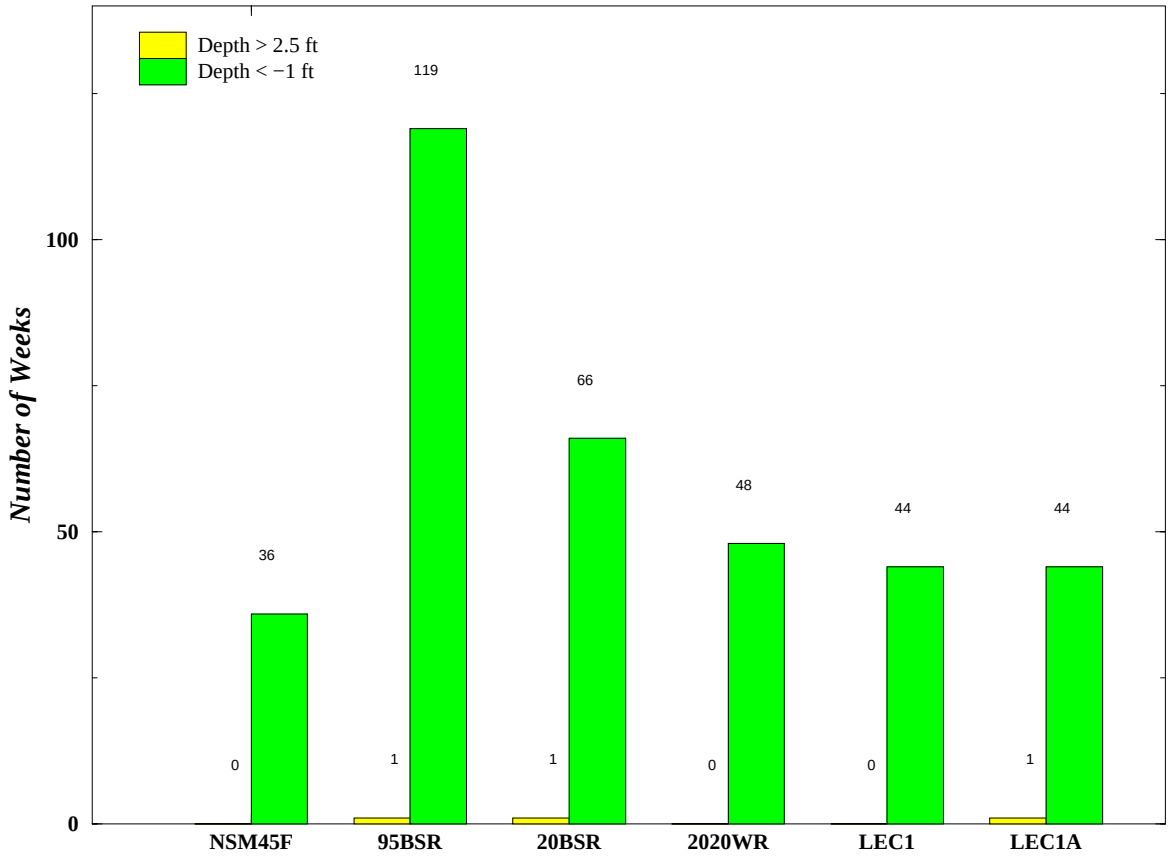
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:02:15 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 20 (R36C18-18 R37C18-19 R38C17-19 R39C18-18)

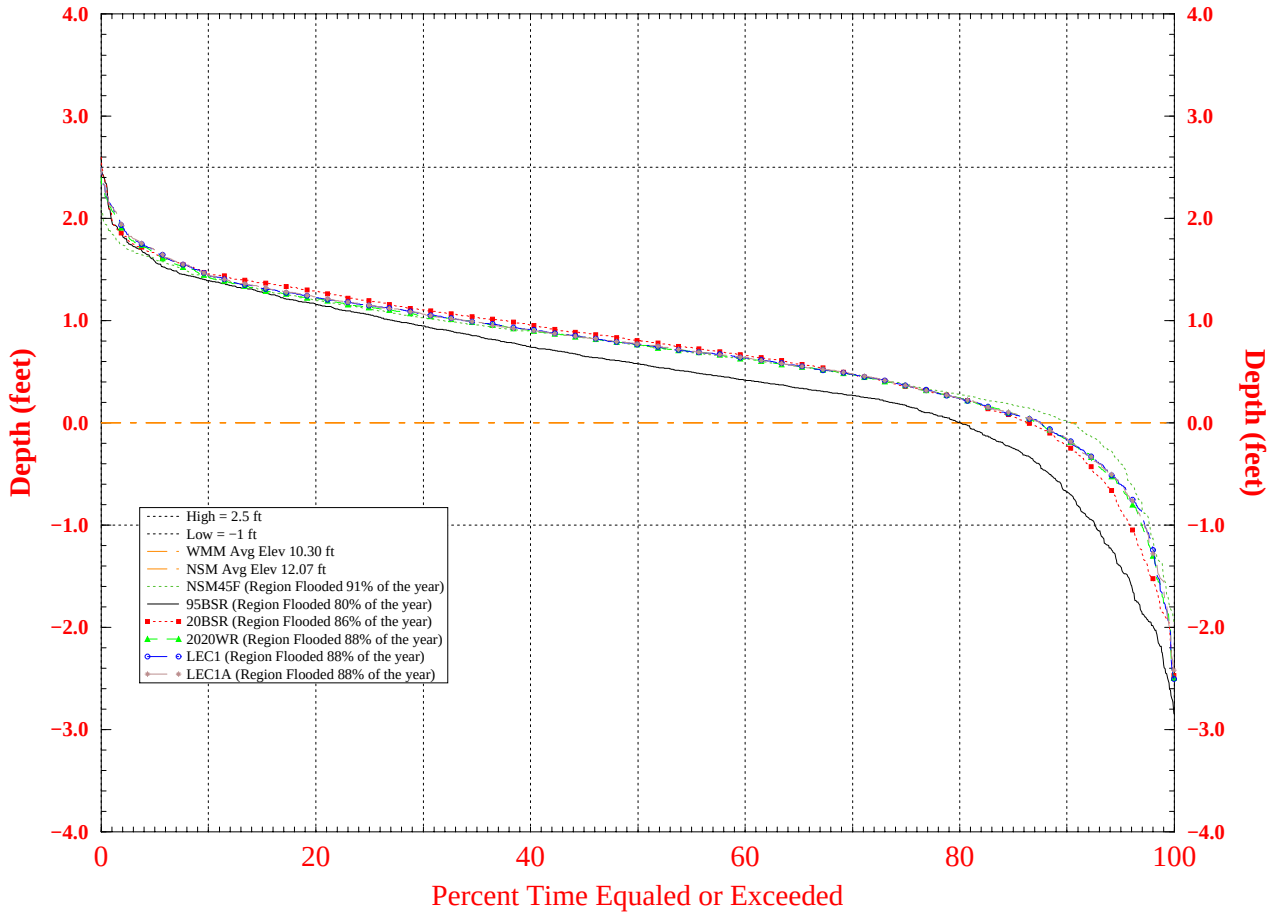


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:02:15 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for NW WCA-3A

Indicator Region 20 (R36C18-18 R37C18-19 R38C17-19 R39C18-18)

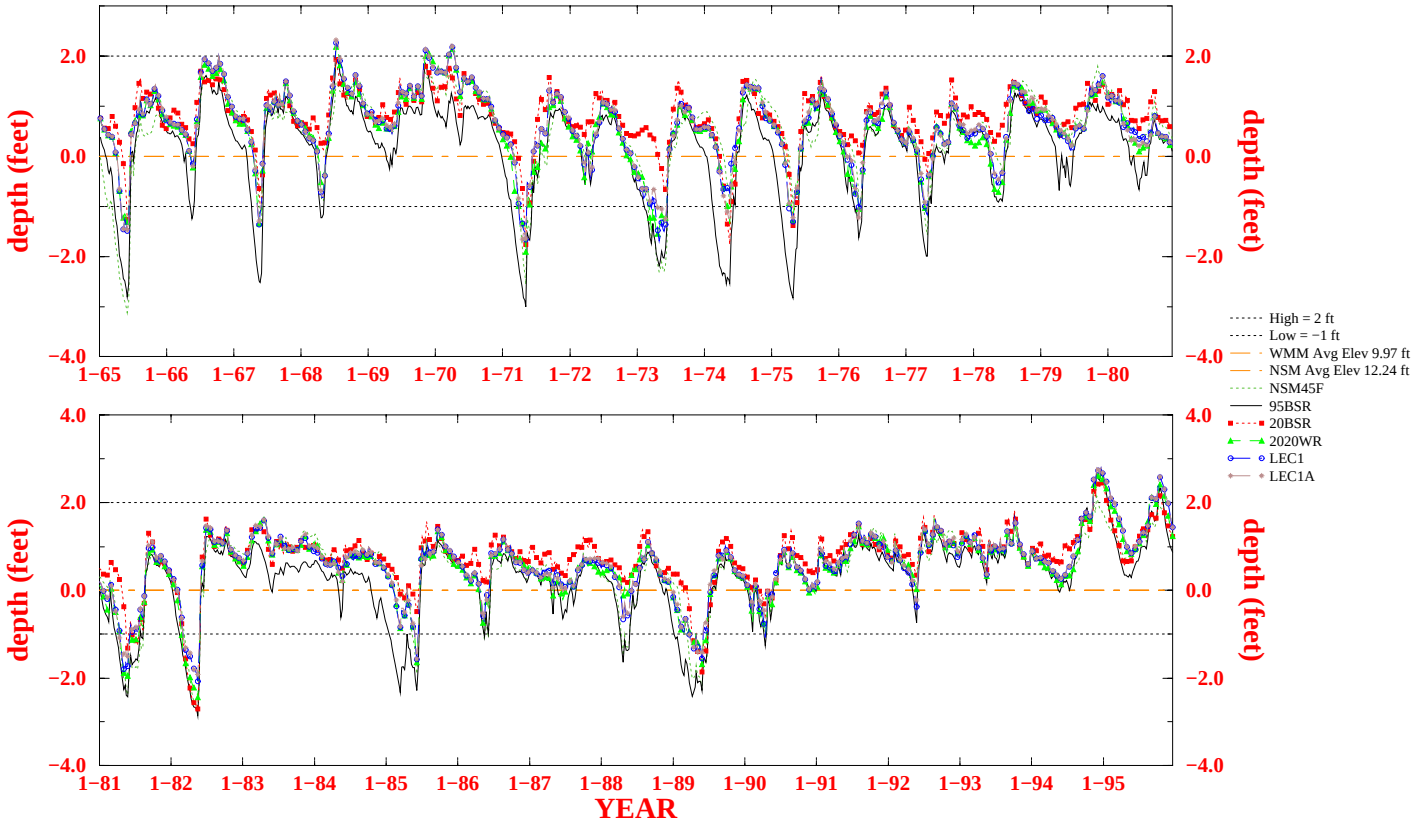


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:02:15 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for NE WCA-3A

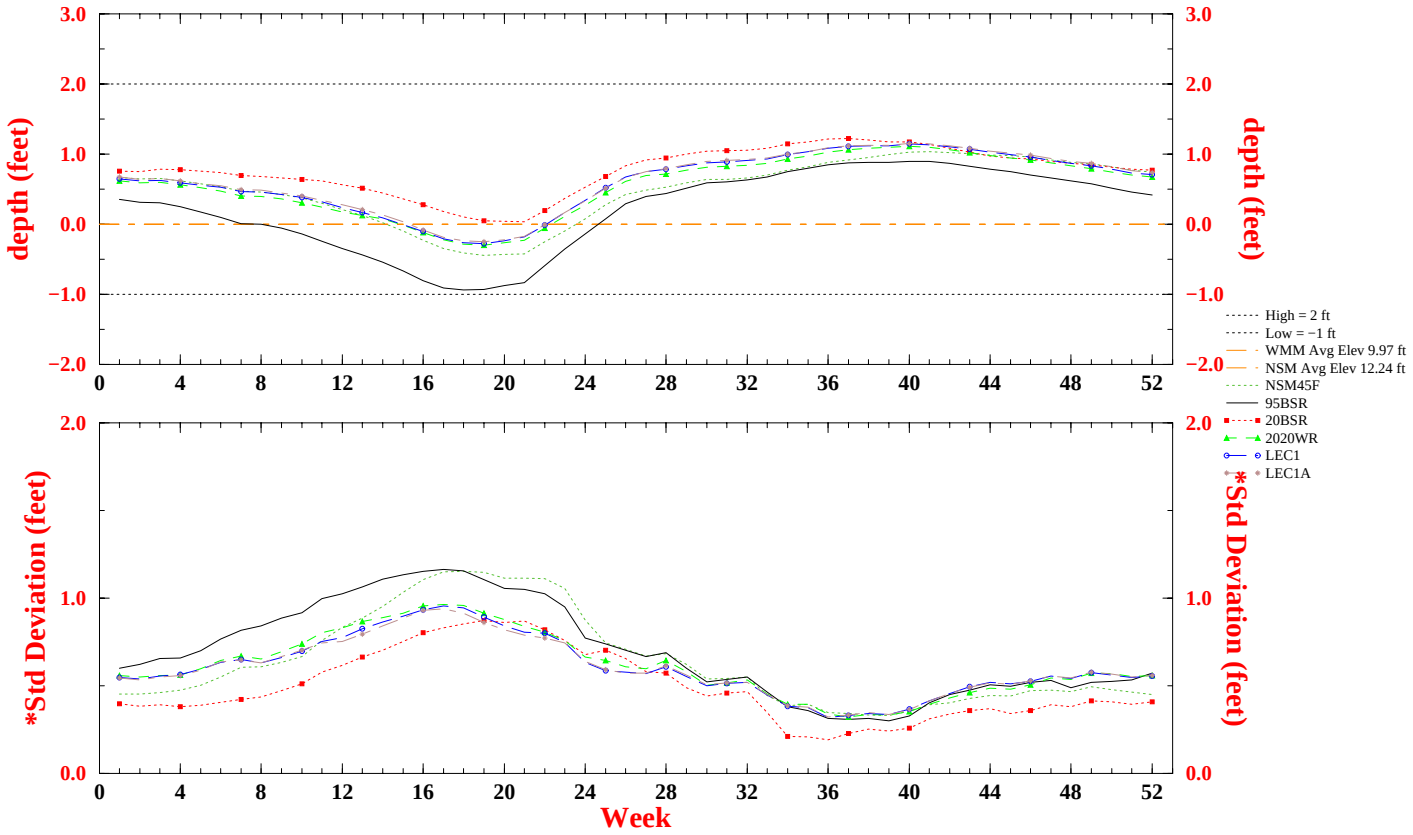
Indicator Region 21 (R38C23-24 R39C23-25 R40C22-25)



Run date: Fri Jan 28 22:02:25 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for NE WCA-3A

Indicator Region 21 (R38C23-24 R39C23-25 R40C22-25)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

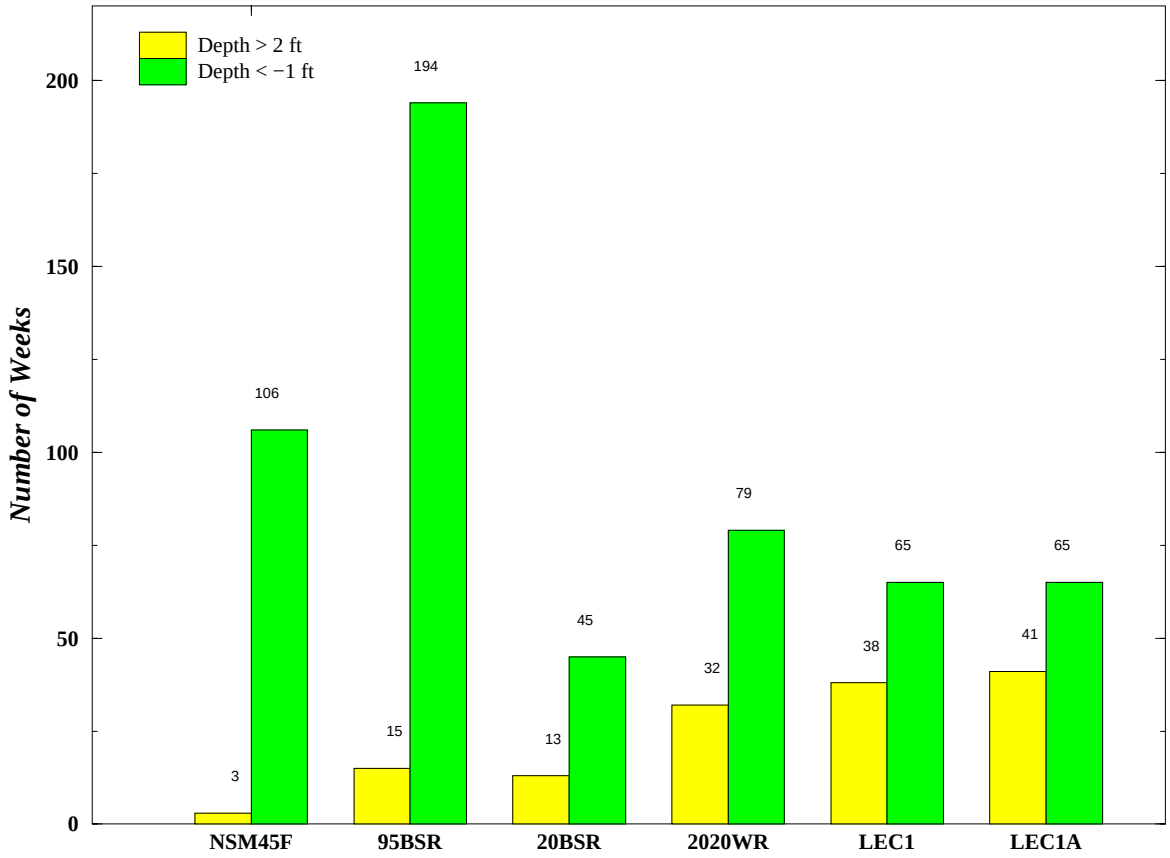
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:02:26 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 21 (R38C23-24 R39C23-25 R40C22-25)

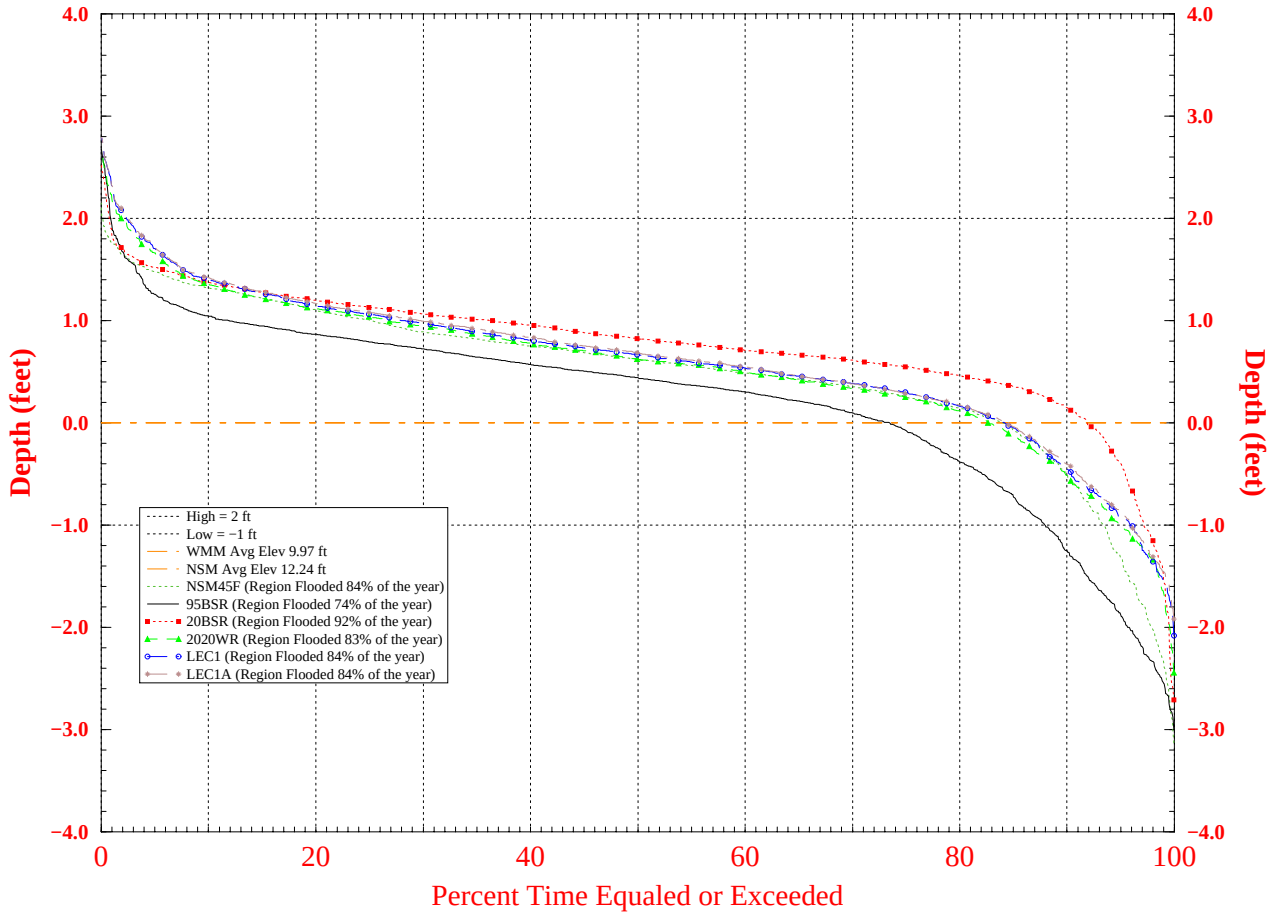


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:02:25 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for NE WCA-3A

Indicator Region 21 (R38C23-24 R39C23-25 R40C22-25)

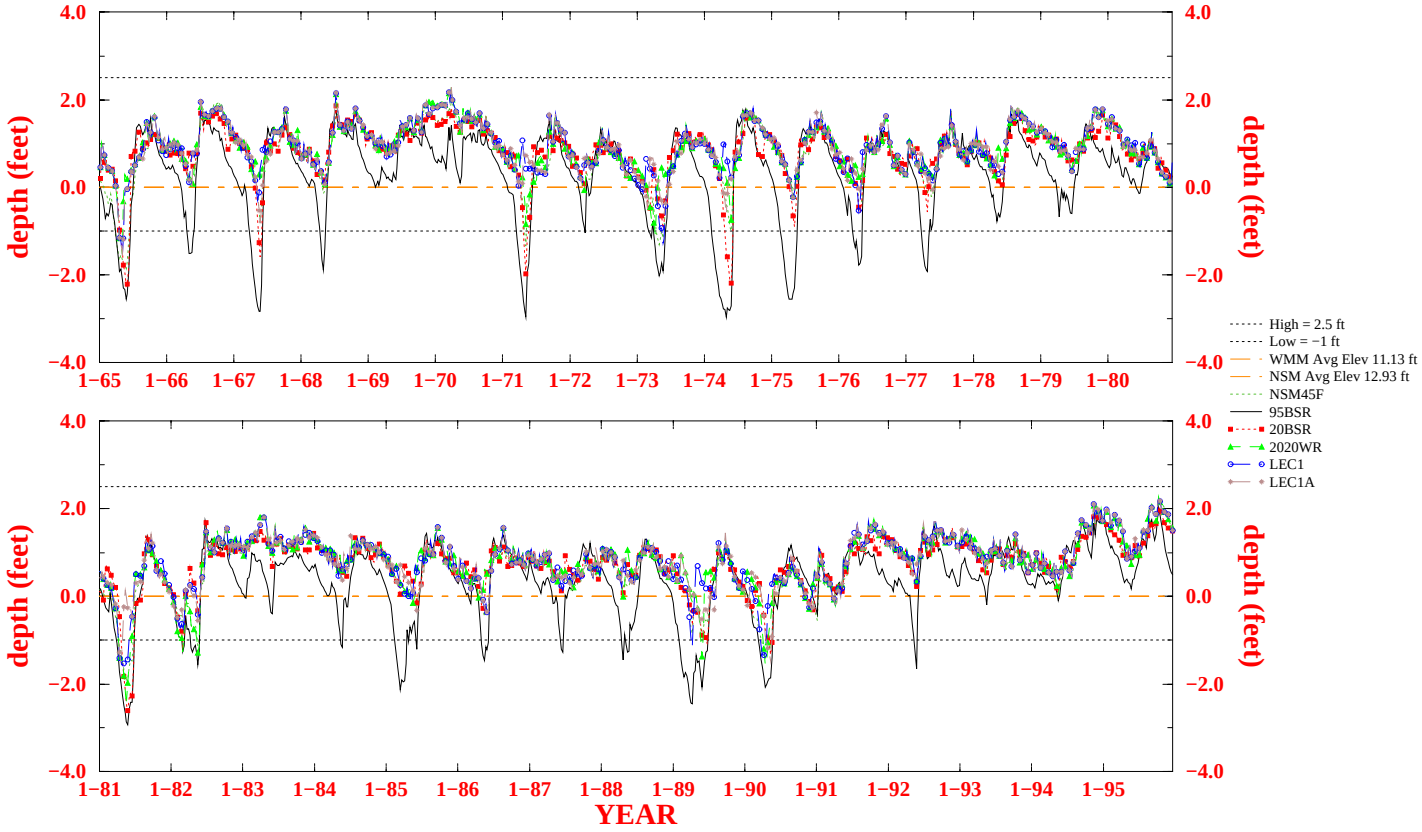


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:02:26 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for NW Corner WCA-3A

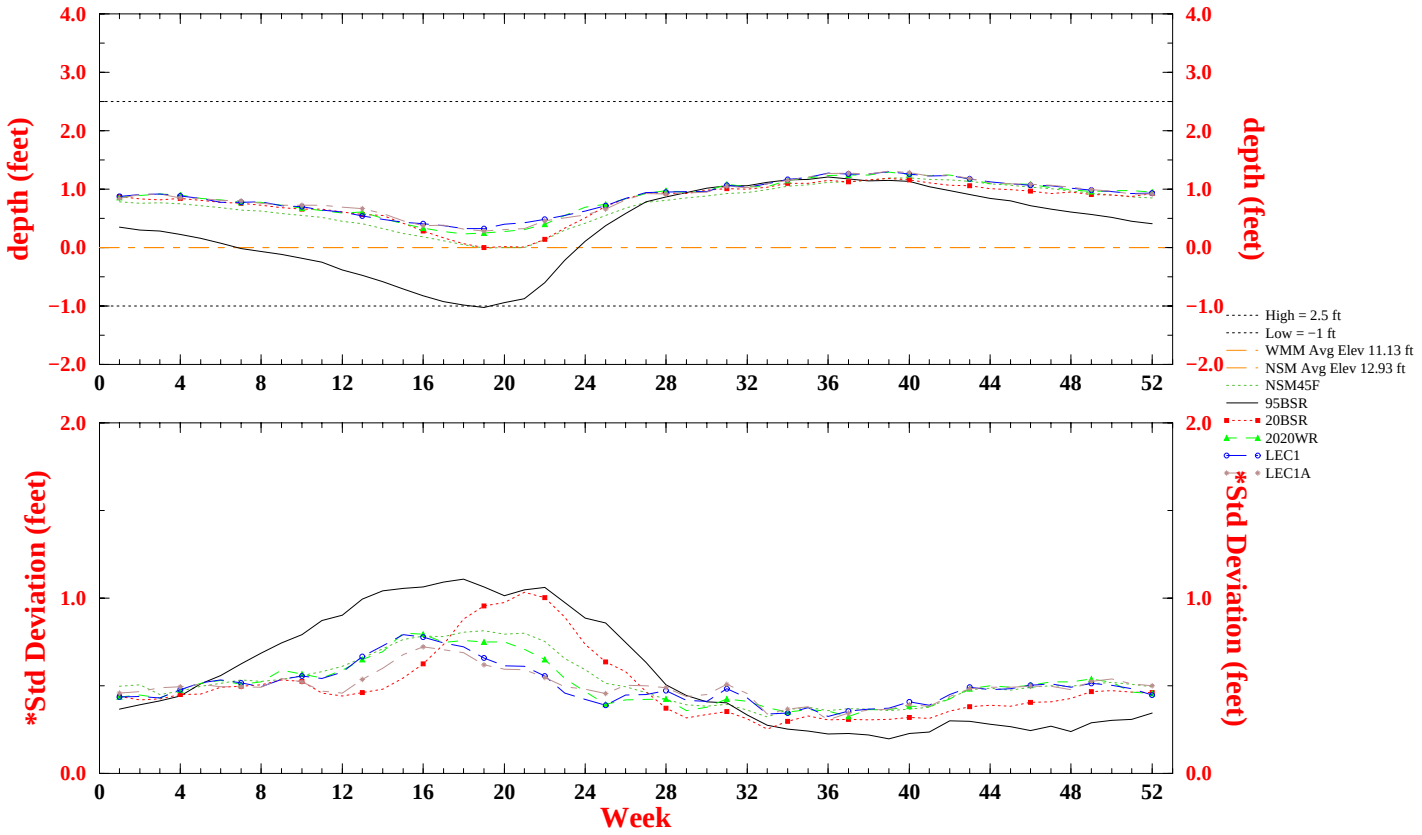
Indicator Region 22 (R39C17-17 R40C17-18 R41C17-17)



Run date: Fri Jan 28 22:02:33 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for NW Corner WCA-3A

Indicator Region 22 (R39C17-17 R40C17-18 R41C17-17)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

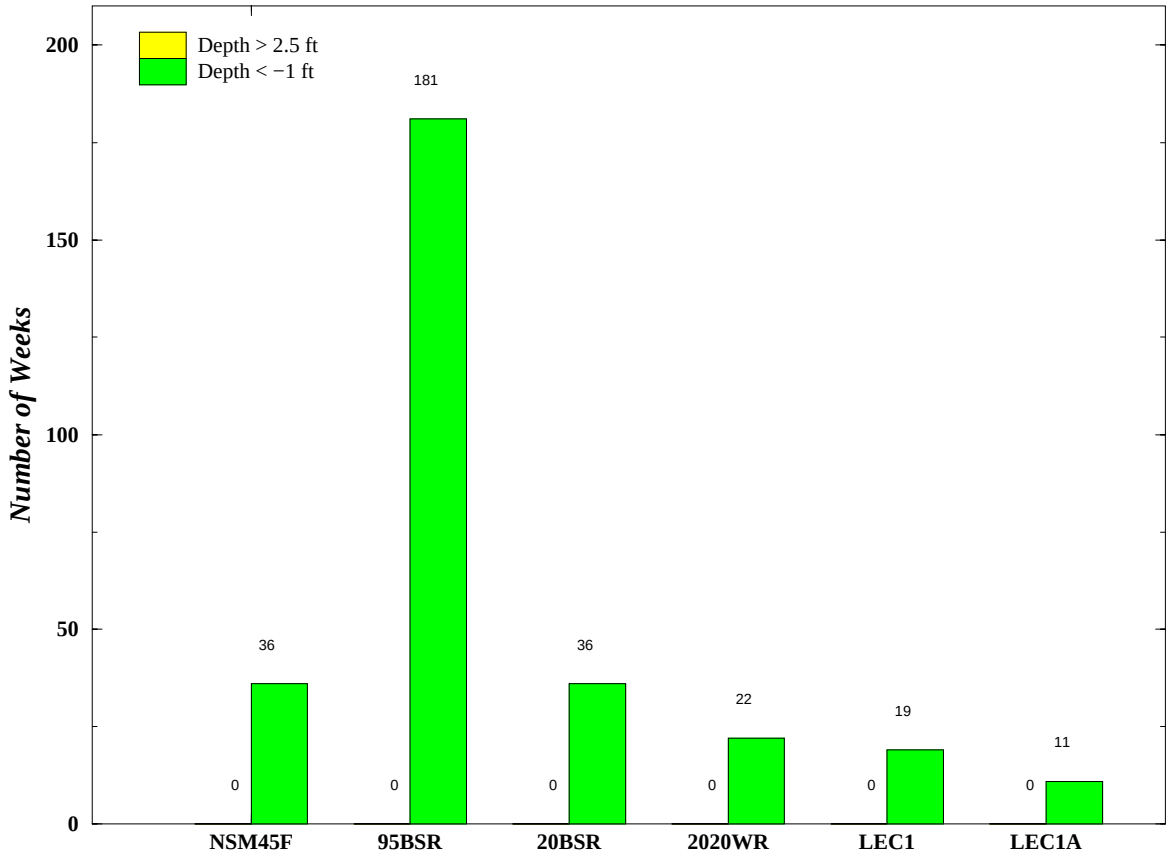
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:02:33 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 22 (R39C17-17 R40C17-18 R41C17-17)

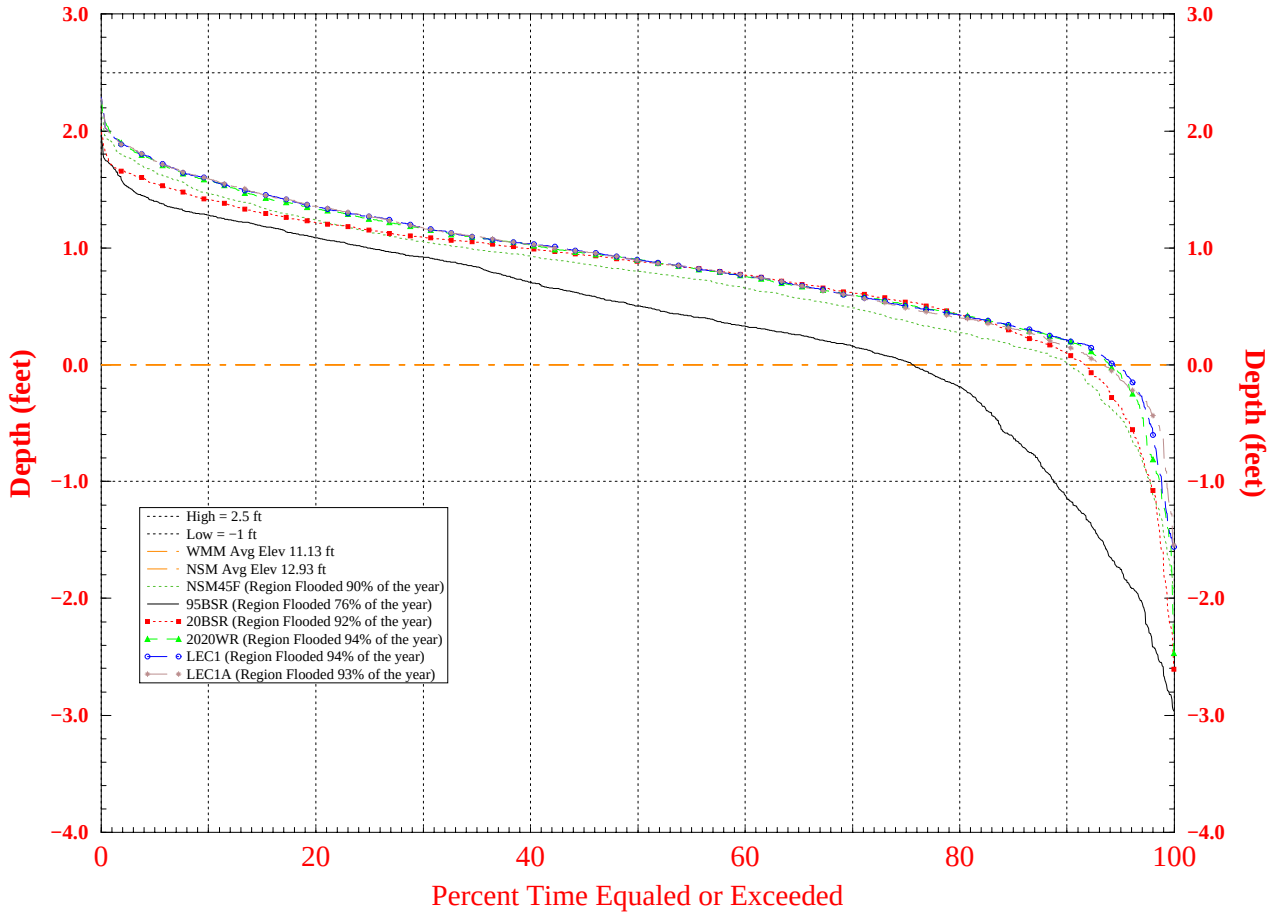


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:02:33 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for NW Corner WCA-3A

Indicator Region 22 (R39C17-17 R40C17-18 R41C17-17)

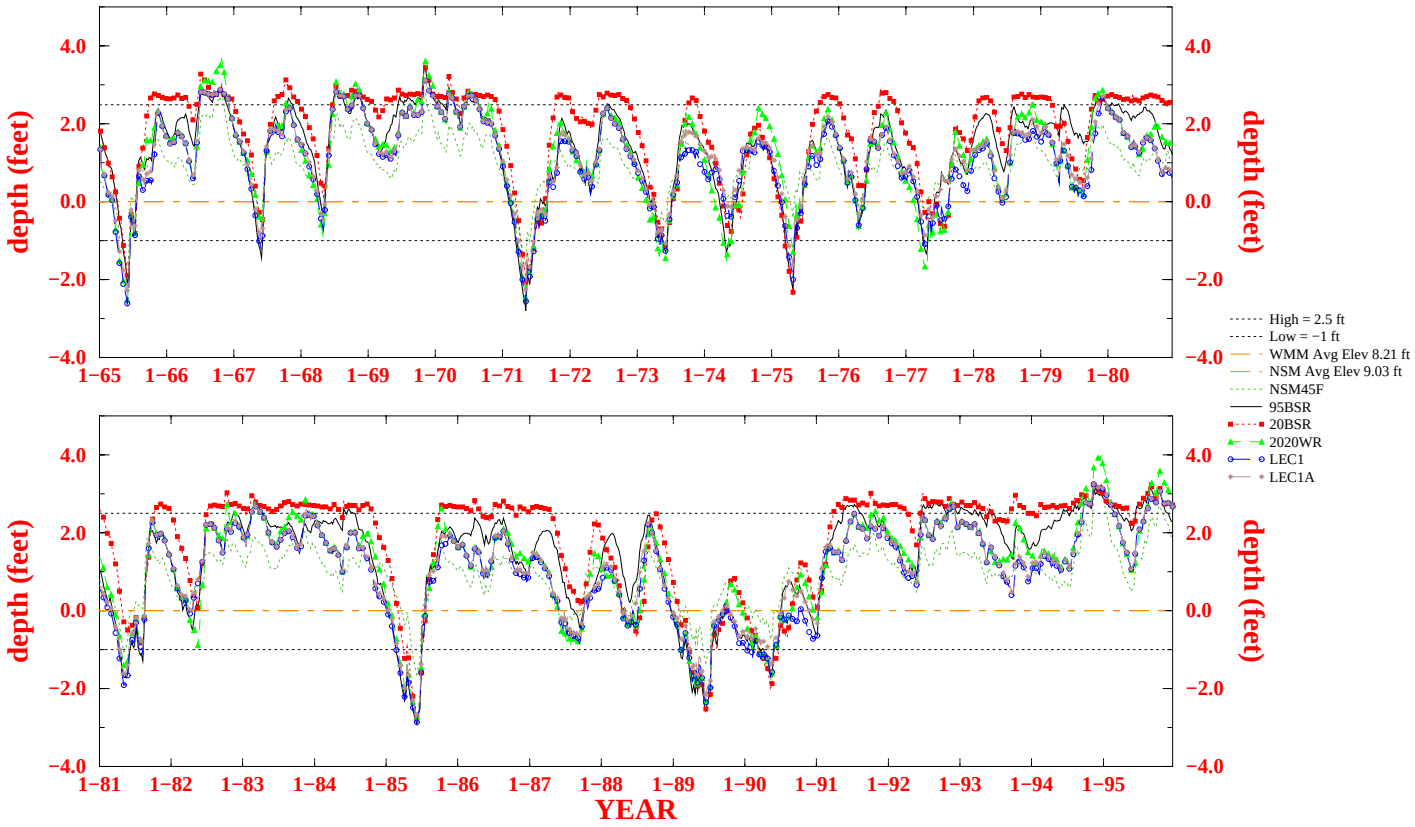


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:02:33 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for WCA-2B

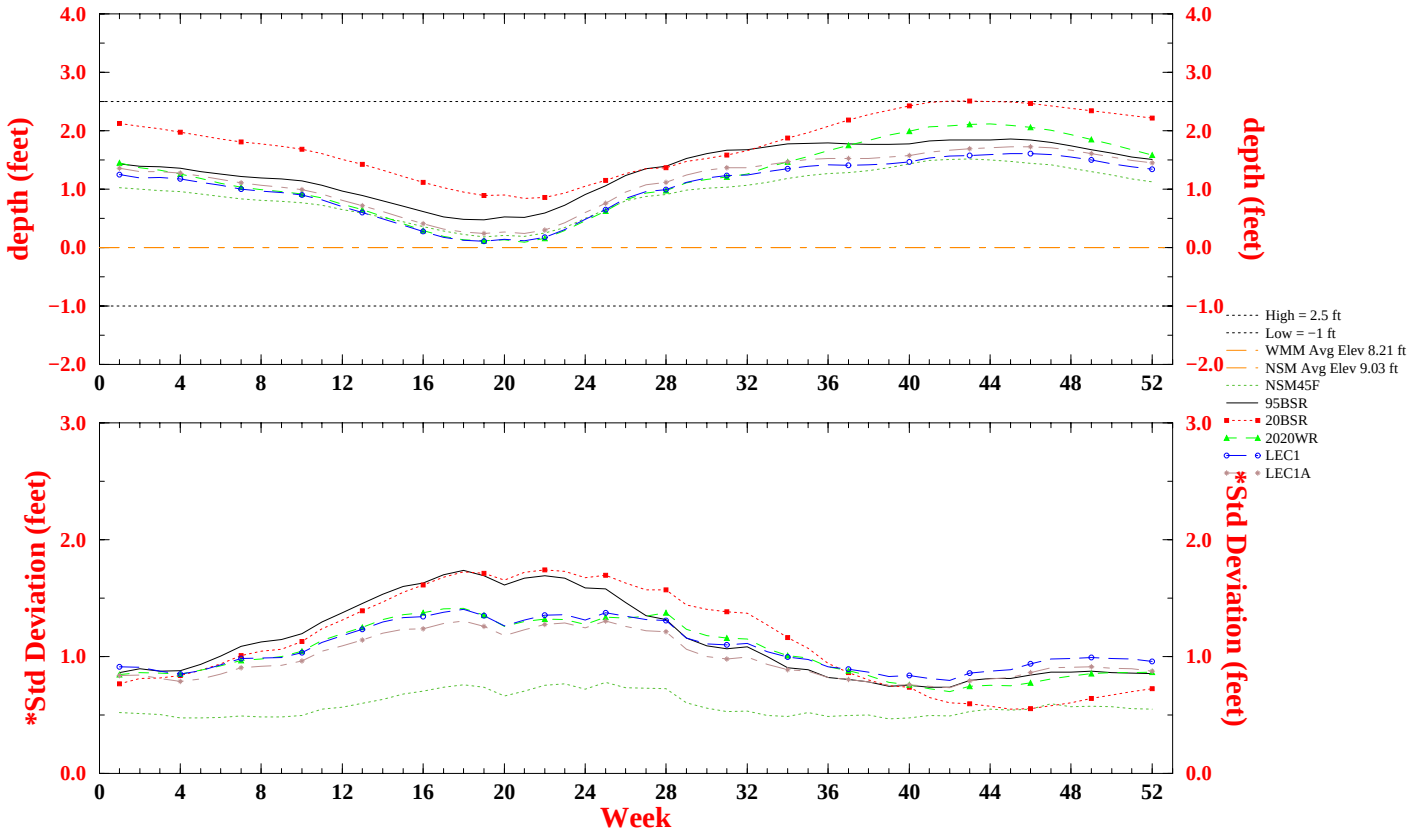
Indicator Region 23 (R36C29-31 R37C30-32)



Run date: Fri Jan 28 22:02:41 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for WCA-2B

Indicator Region 23 (R36C29-31 R37C30-32)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

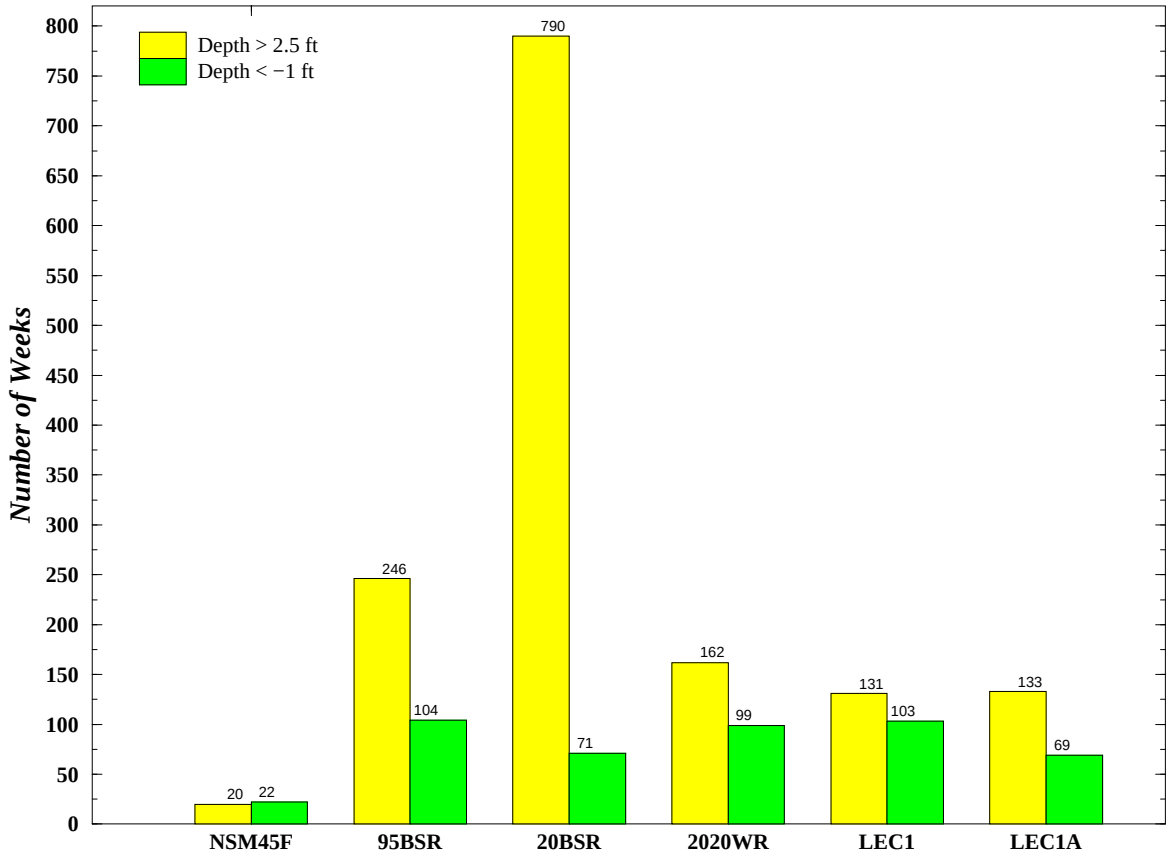
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:02:42 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 23 (R36C29-31 R37C30-32)

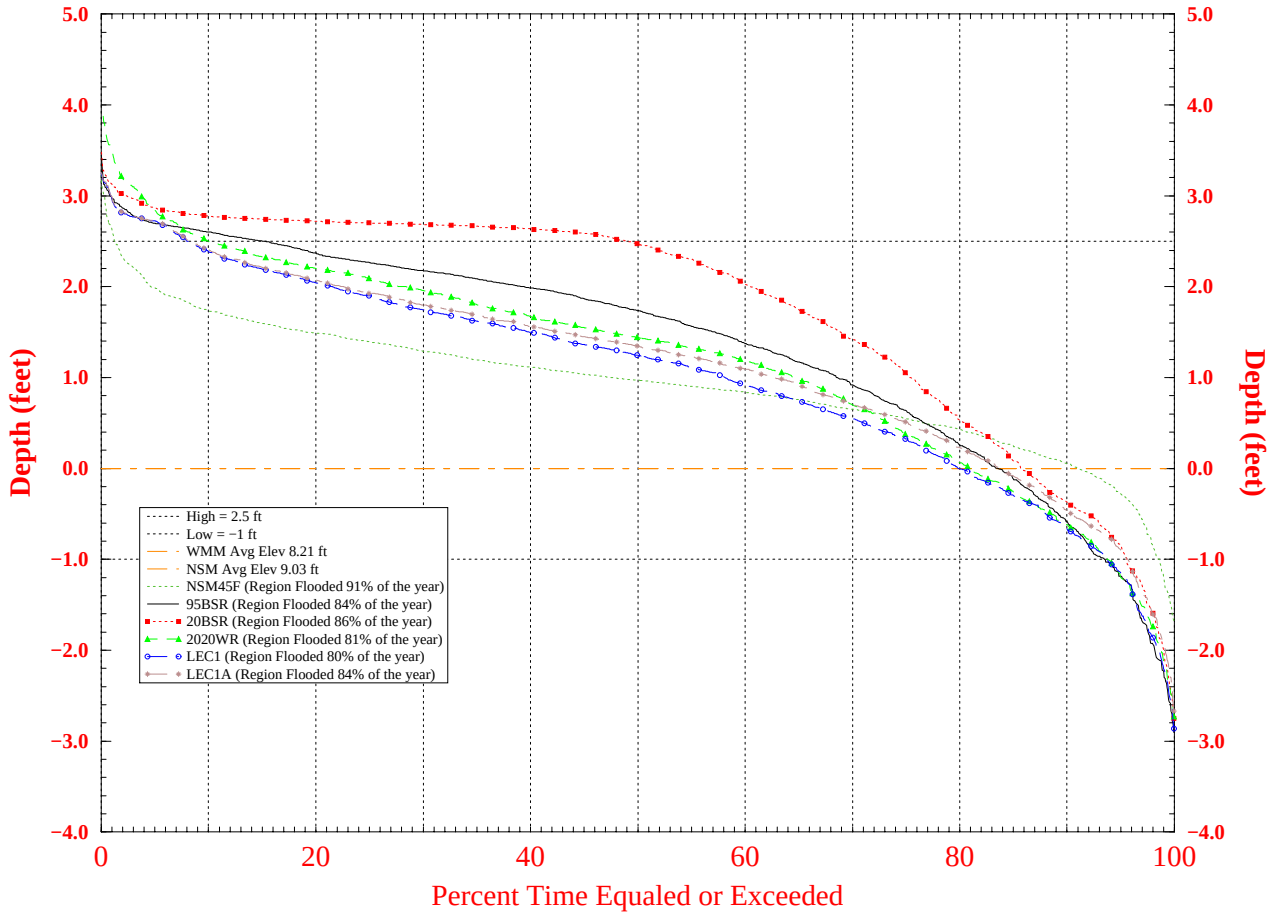


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:02:42 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for WCA-2B

Indicator Region 23 (R36C29-31 R37C30-32)

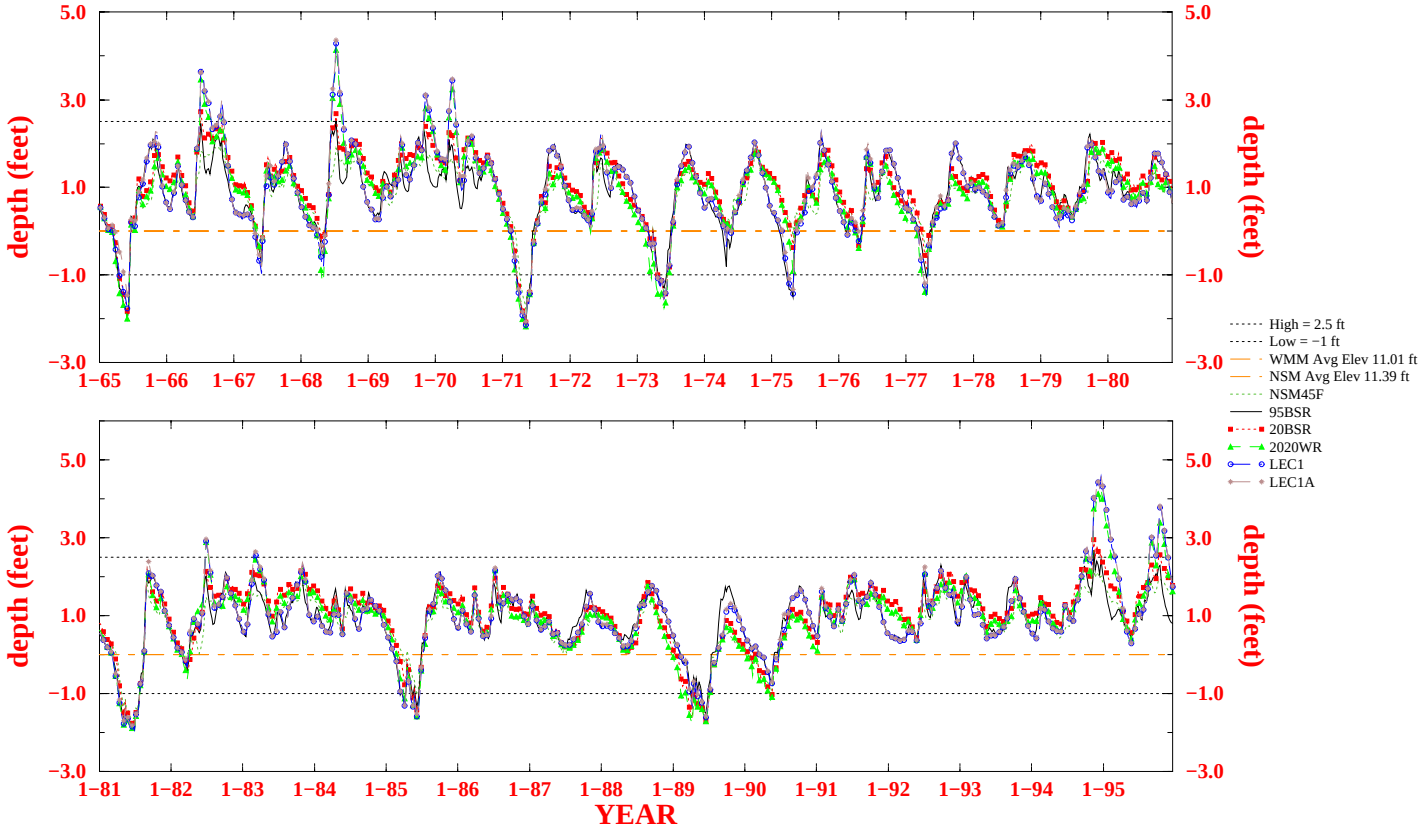


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:02:42 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for South WCA-2A

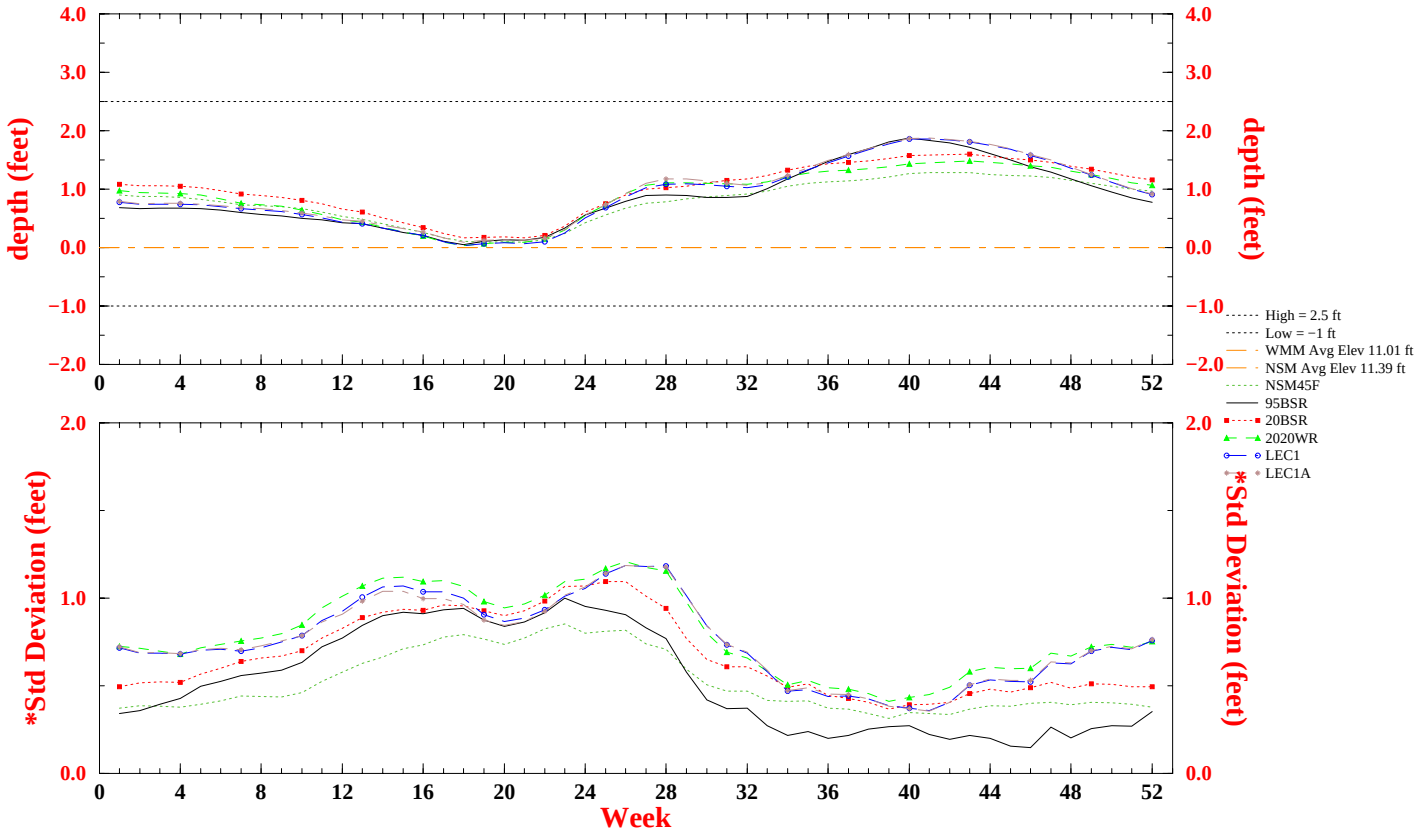
Indicator Region 24 (R39C29-31 R40C28-31 R41C28-28)



Run date: Fri Jan 28 22:02:51 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for South WCA-2A

Indicator Region 24 (R39C29-31 R40C28-31 R41C28-28)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

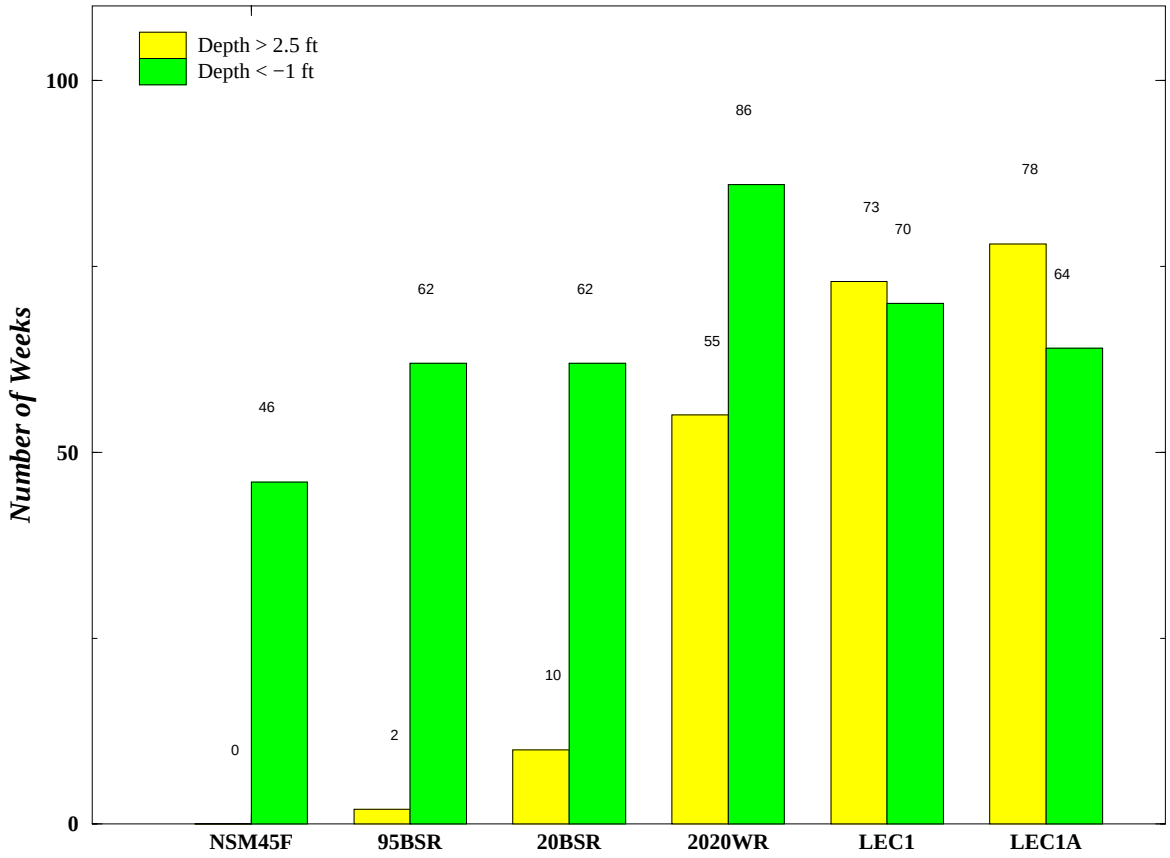
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:02:51 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 24 (R39C29-31 R40C28-31 R41C28-28)

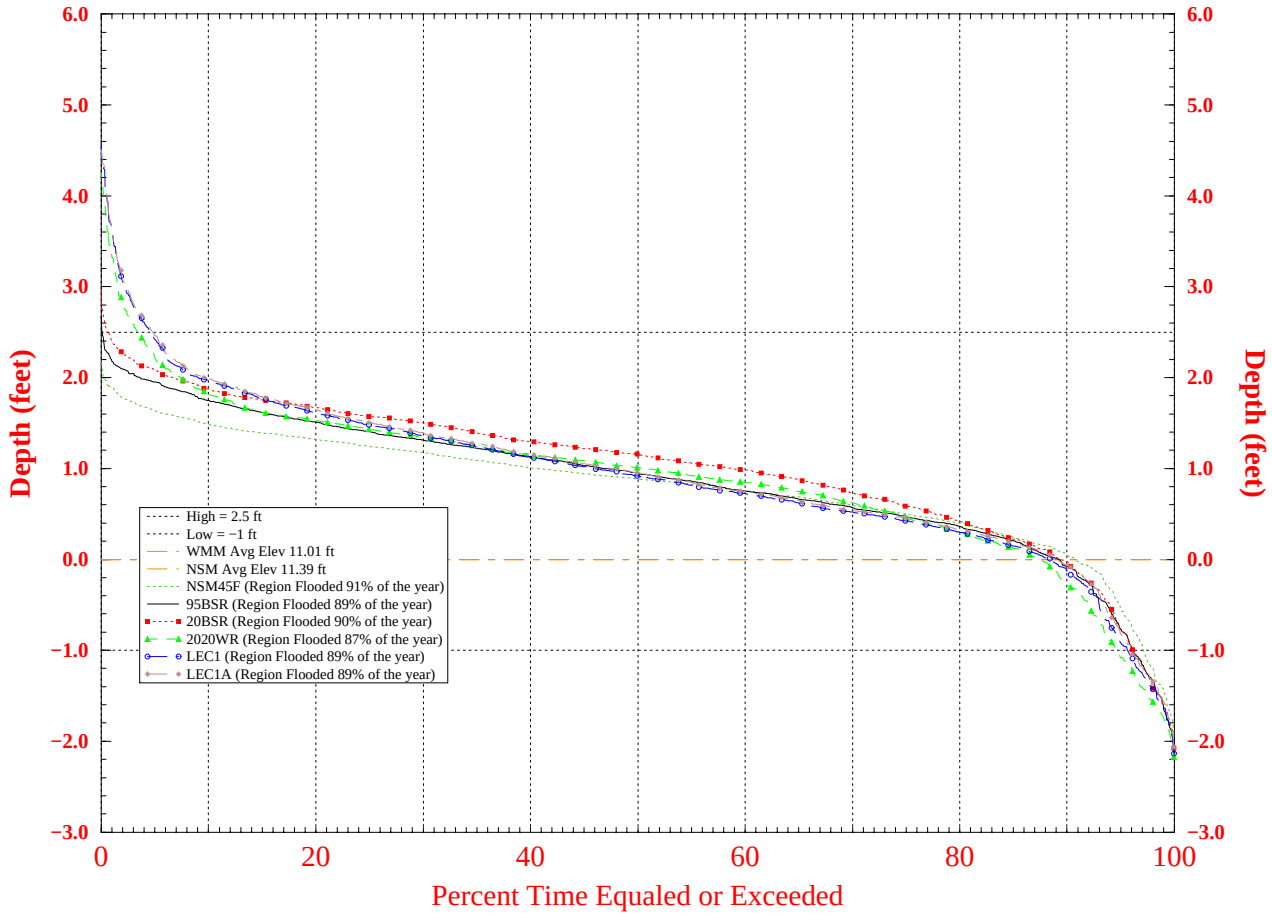


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:02:51 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for South WCA-2A

Indicator Region 24 (R39C29-31 R40C28-31 R41C28-28)

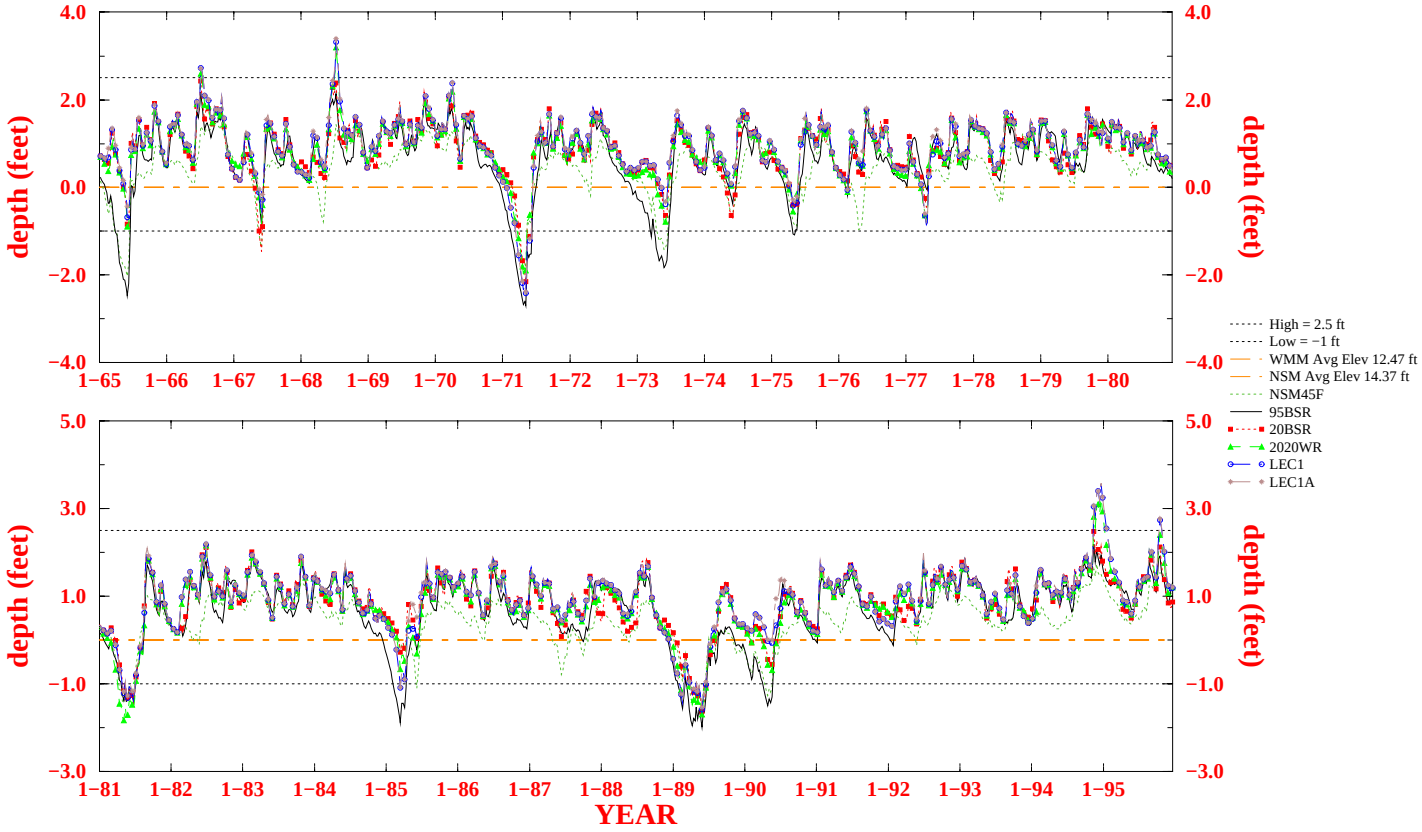


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:02:51 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for North WCA-2A

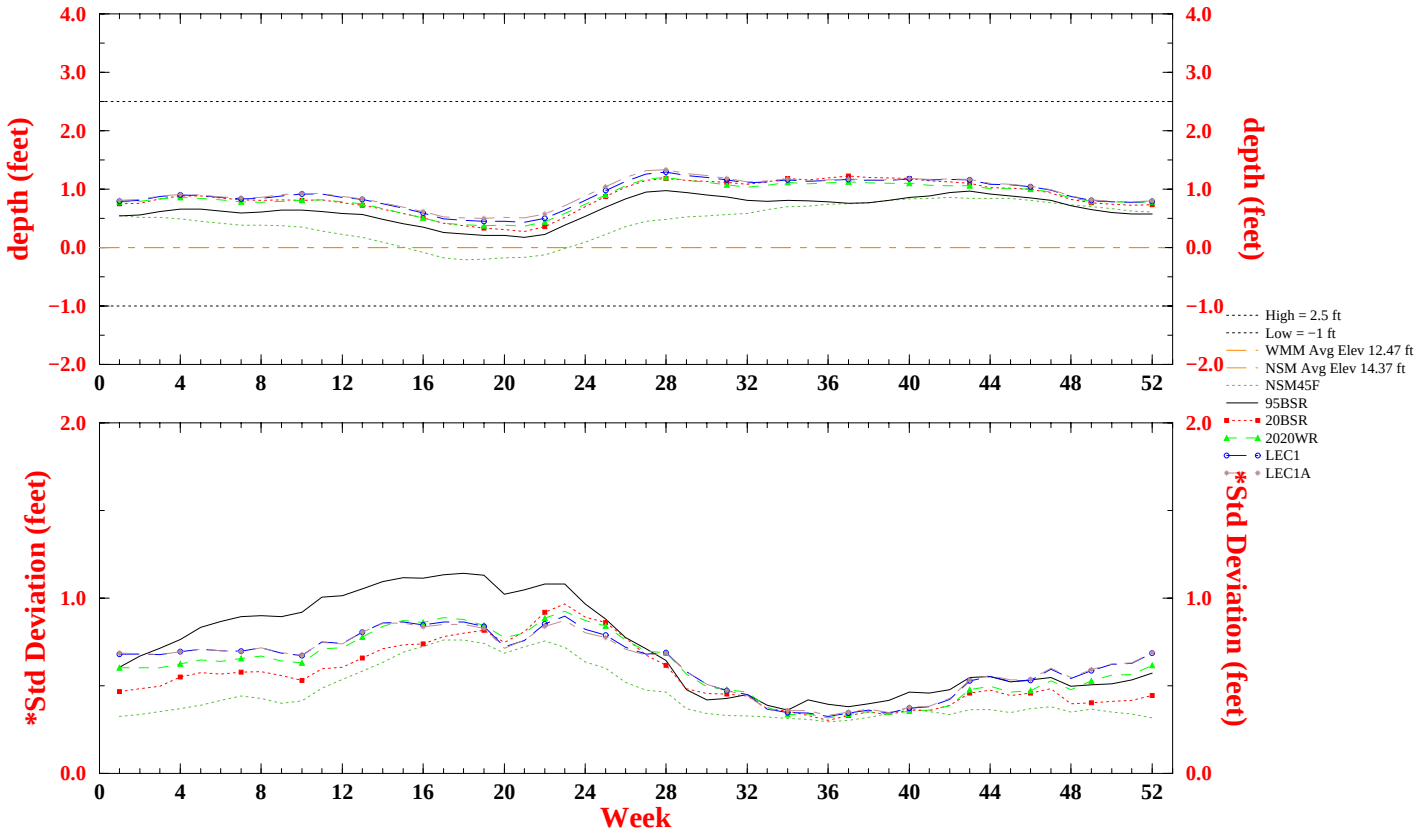
Indicator Region 25 (R43C27-28 R44C27-29 R45C28-28)



Run date: Fri Jan 28 22:03:00 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for North WCA-2A

Indicator Region 25 (R43C27-28 R44C27-29 R45C28-28)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

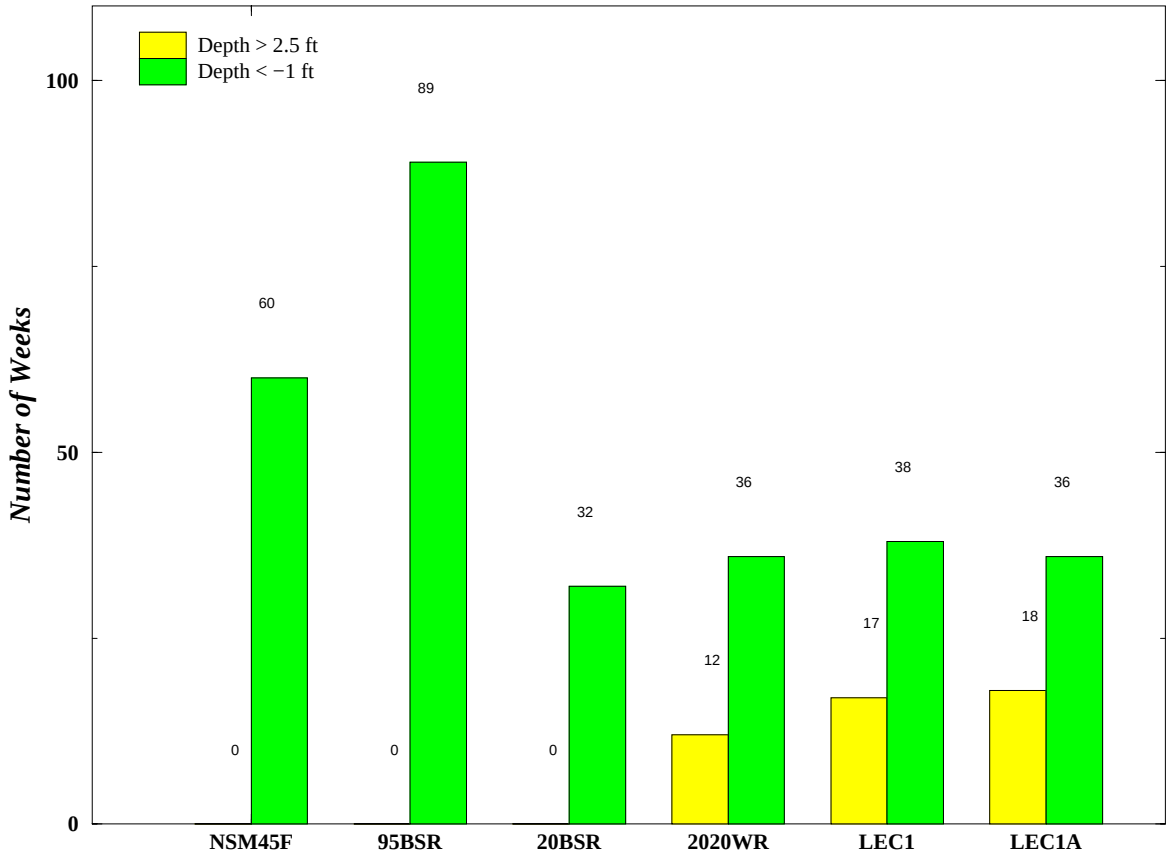
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:03:00 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 25 (R43C27-28 R44C27-29 R45C28-28)

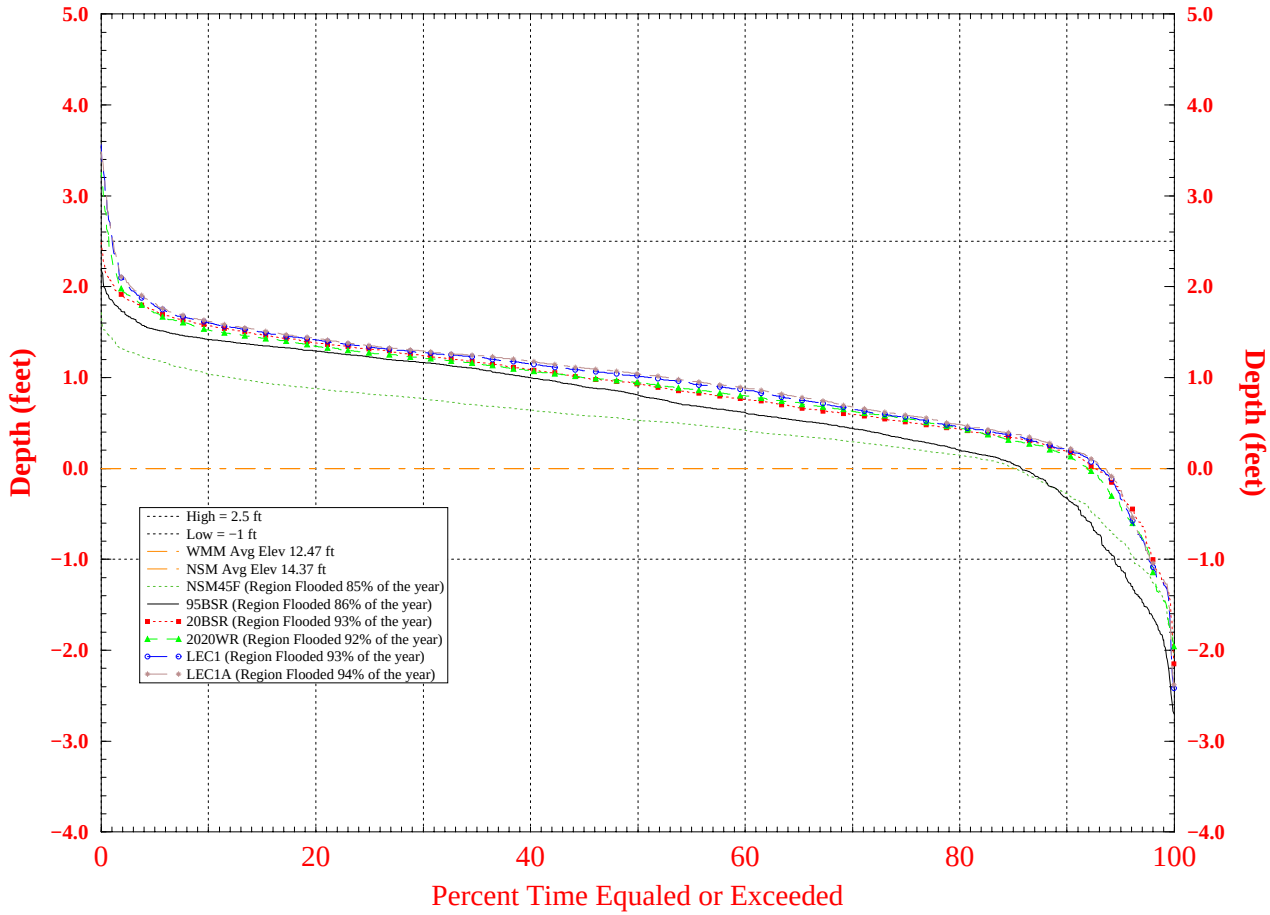


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:03:00 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for North WCA-2A

Indicator Region 25 (R43C27-28 R44C27-29 R45C28-28)

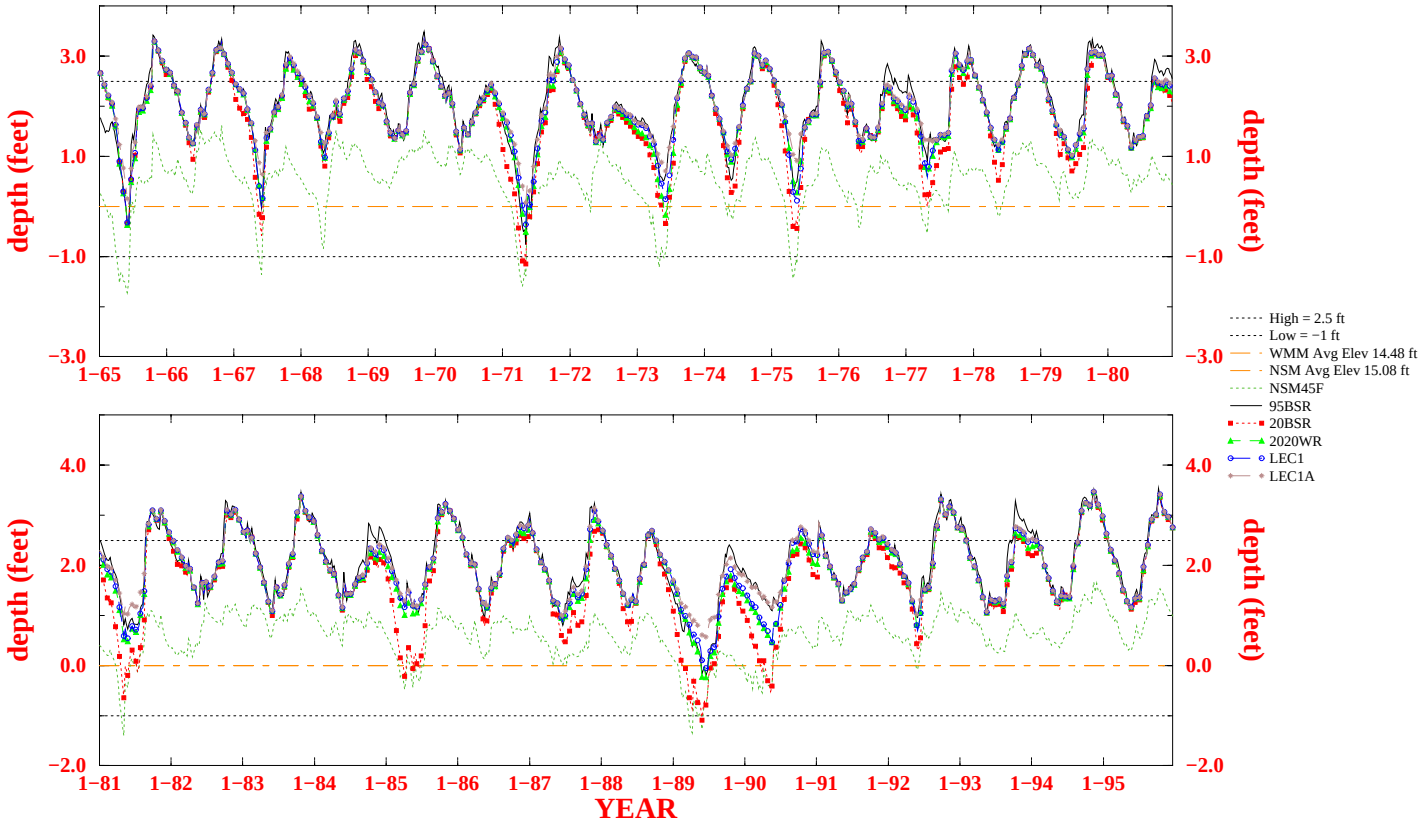


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:03:00 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for South LNWR (WCA-1)

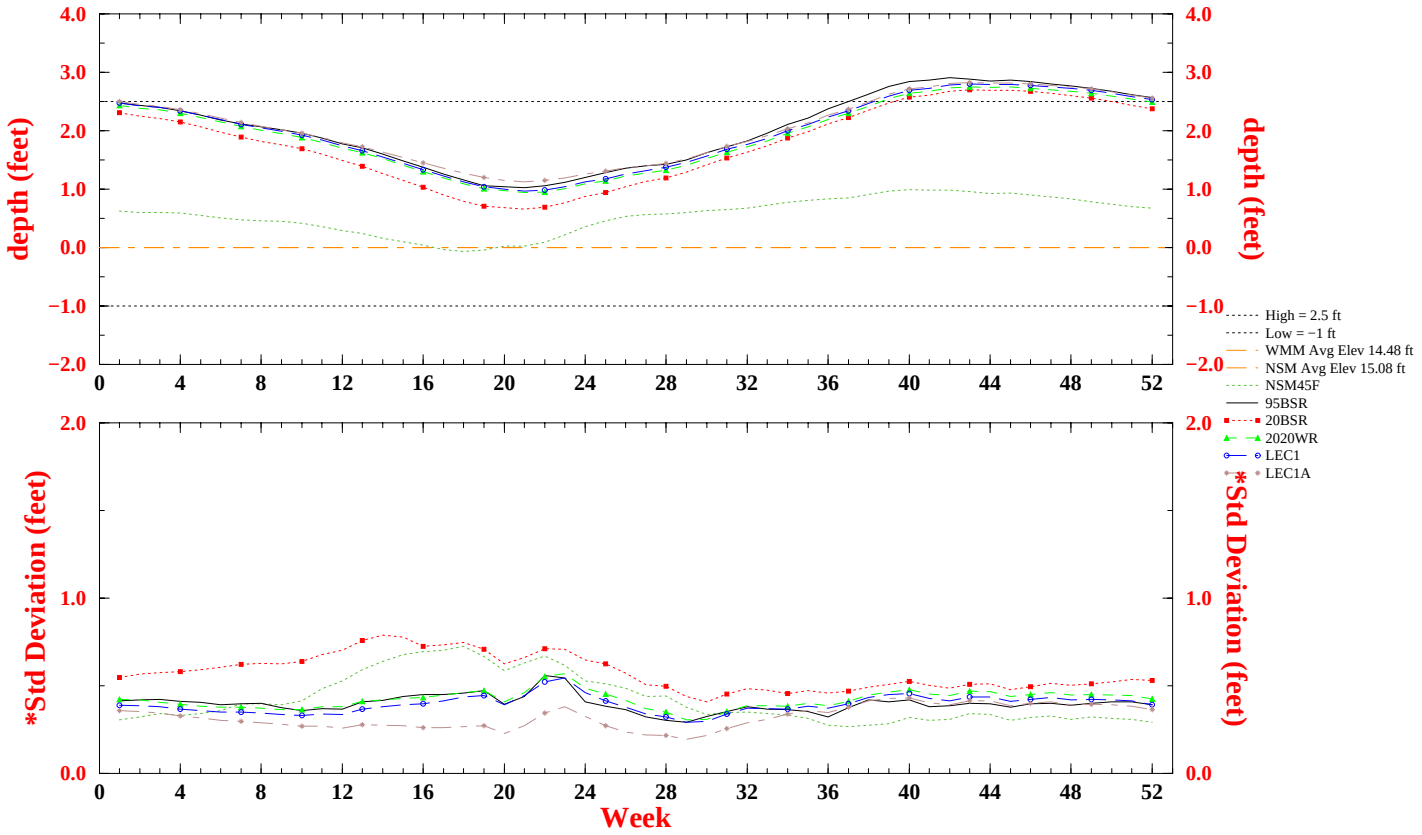
Indicator Region 26 (R44C31-34 R45C30-34)



Run date: Fri Jan 28 22:03:10 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for South LNWR (WCA-1)

Indicator Region 26 (R44C31-34 R45C30-34)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

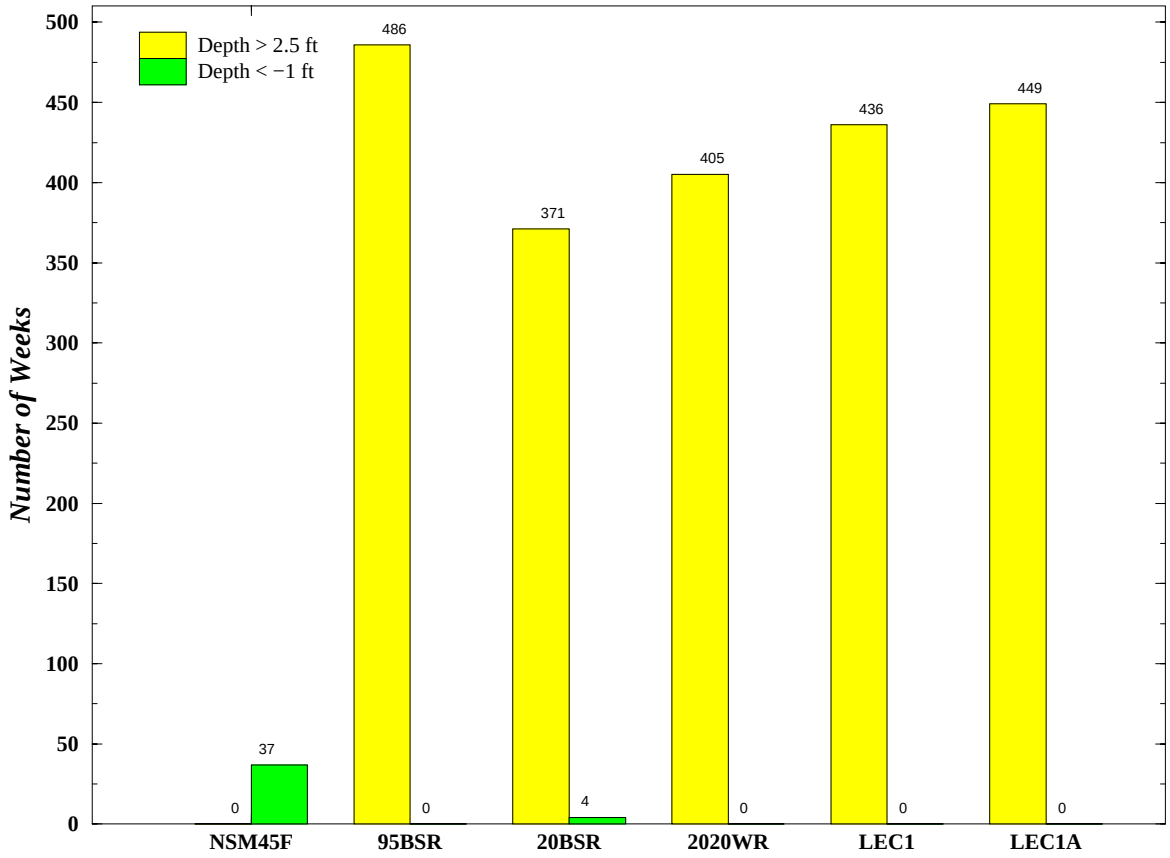
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:03:10 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 26 (R44C31-34 R45C30-34)

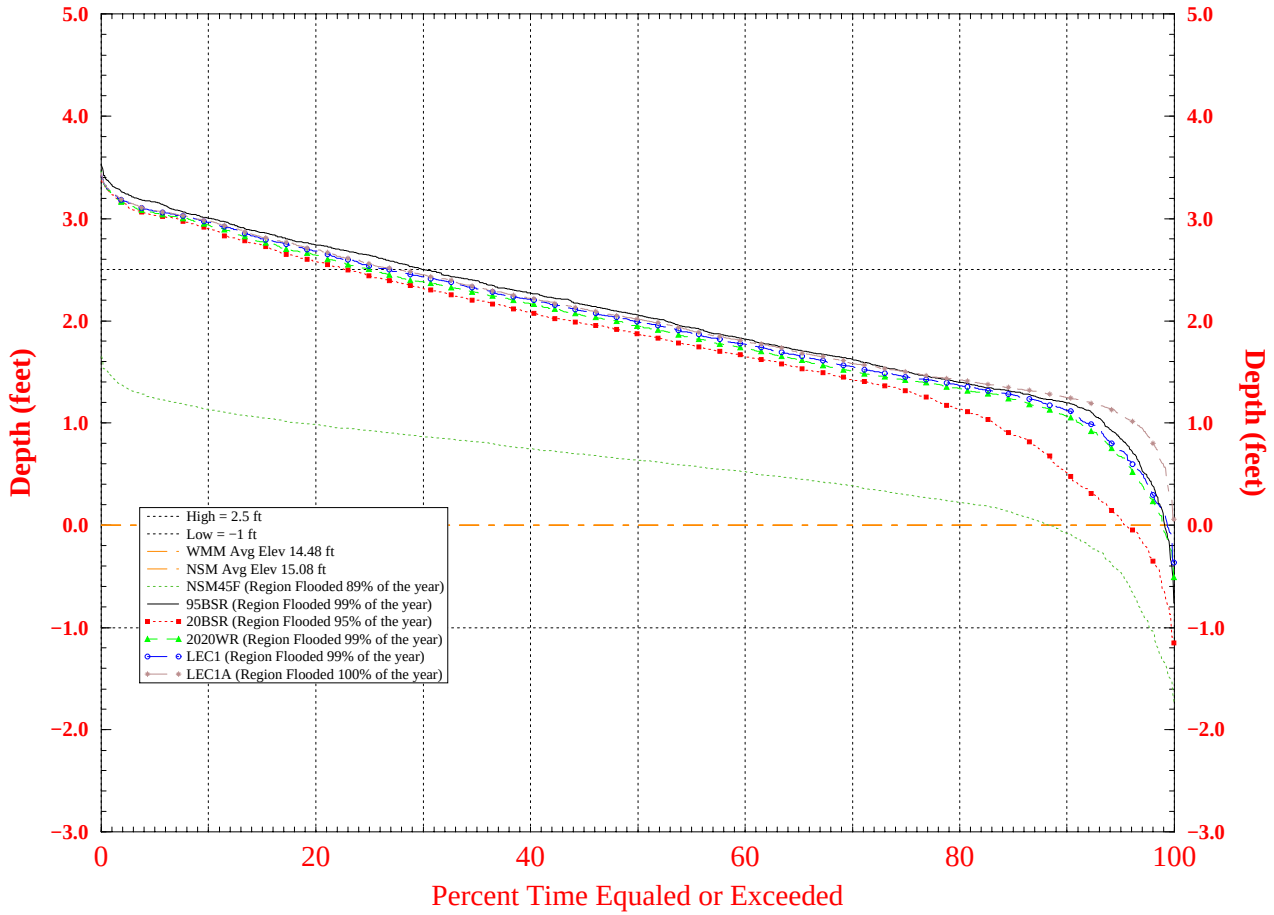


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:03:10 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for South LNWR (WCA-1)

Indicator Region 26 (R44C31-34 R45C30-34)

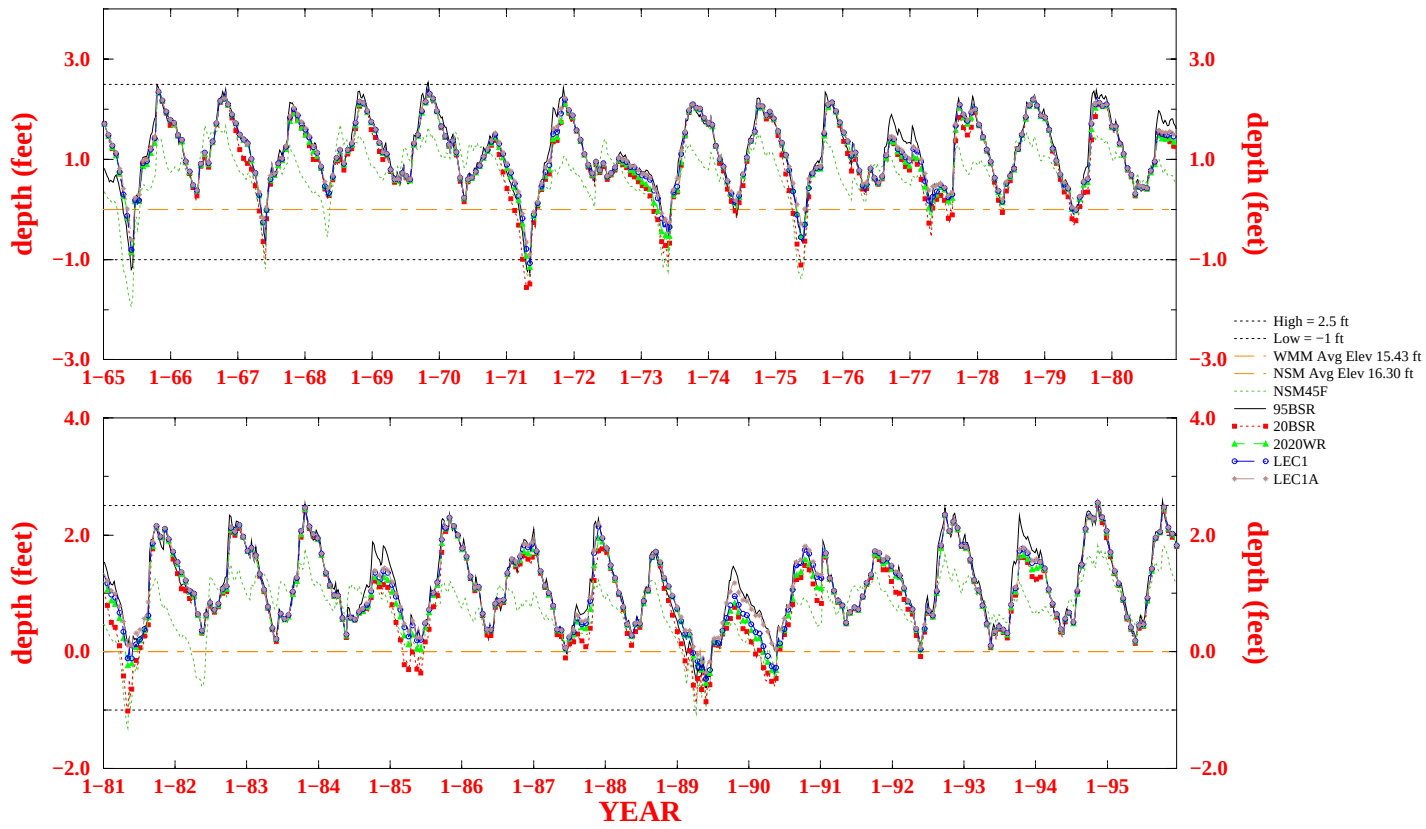


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:03:10 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for North LNWR (WCA-1)

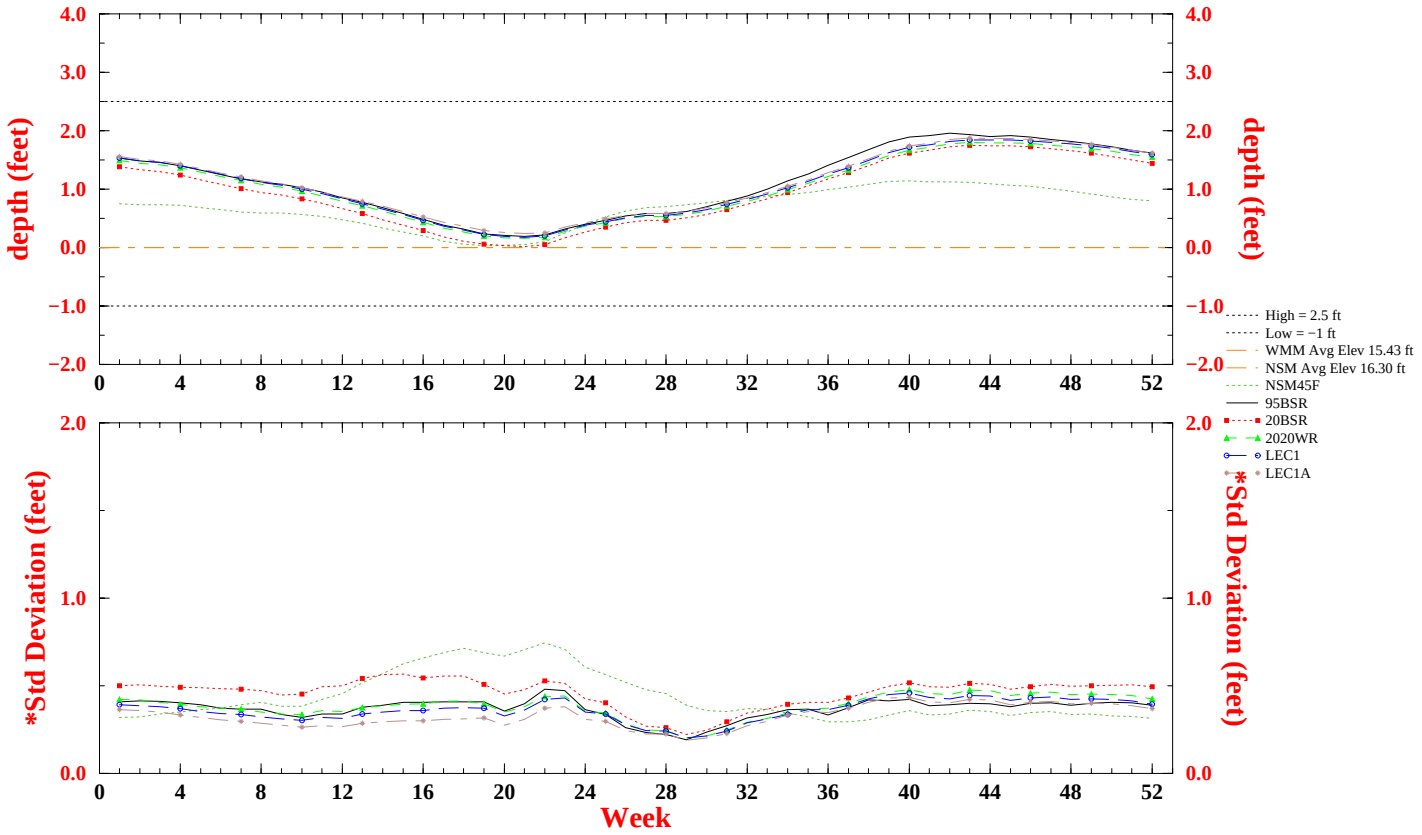
Indicator Region 27 (R47C30-34 R48C30-33 R49C30-33 R50C30-32 R51C30-31)



Run date: Fri Jan 28 22:03:27 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for North LNWR (WCA-1)

Indicator Region 27 (R47C30-34 R48C30-33 R49C30-33 R50C30-32 R51C30-31)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

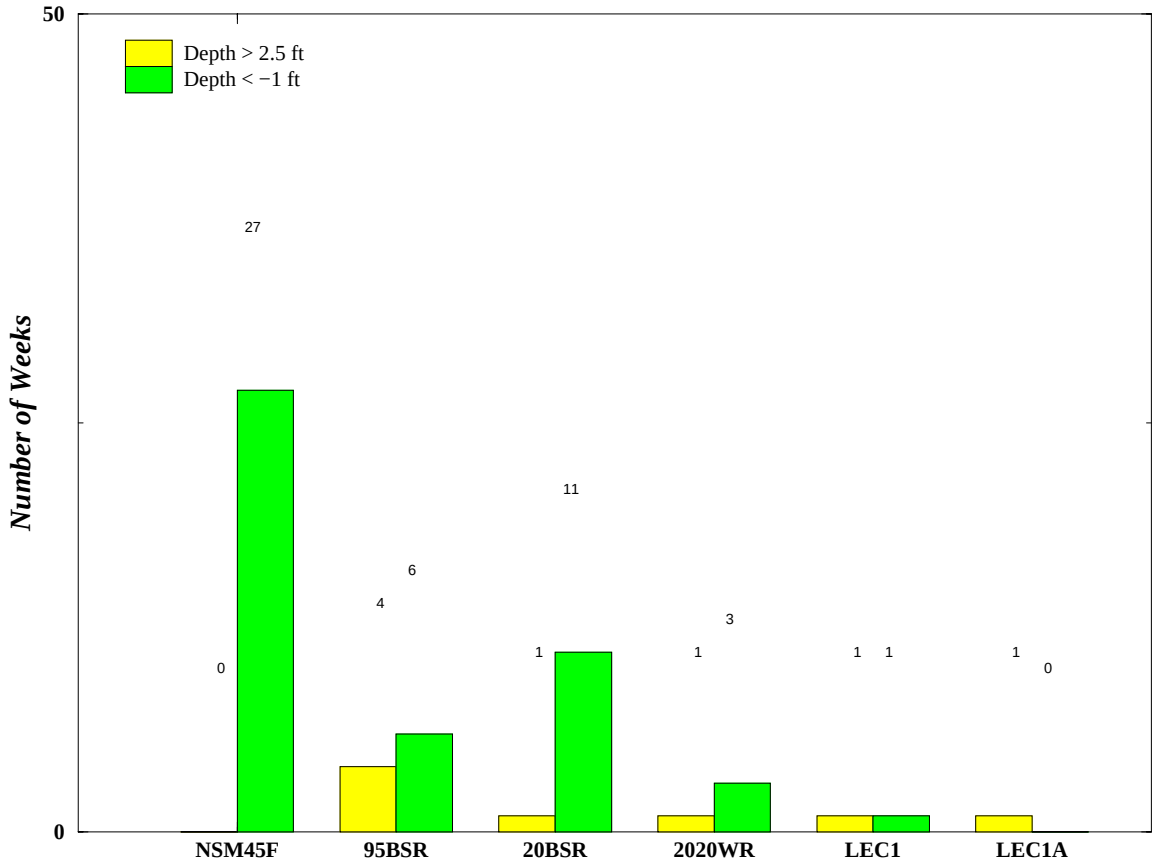
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:03:28 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 27 (R47C30-34 R48C30-33 R49C30-33 R50C30-32 R51C30-31)

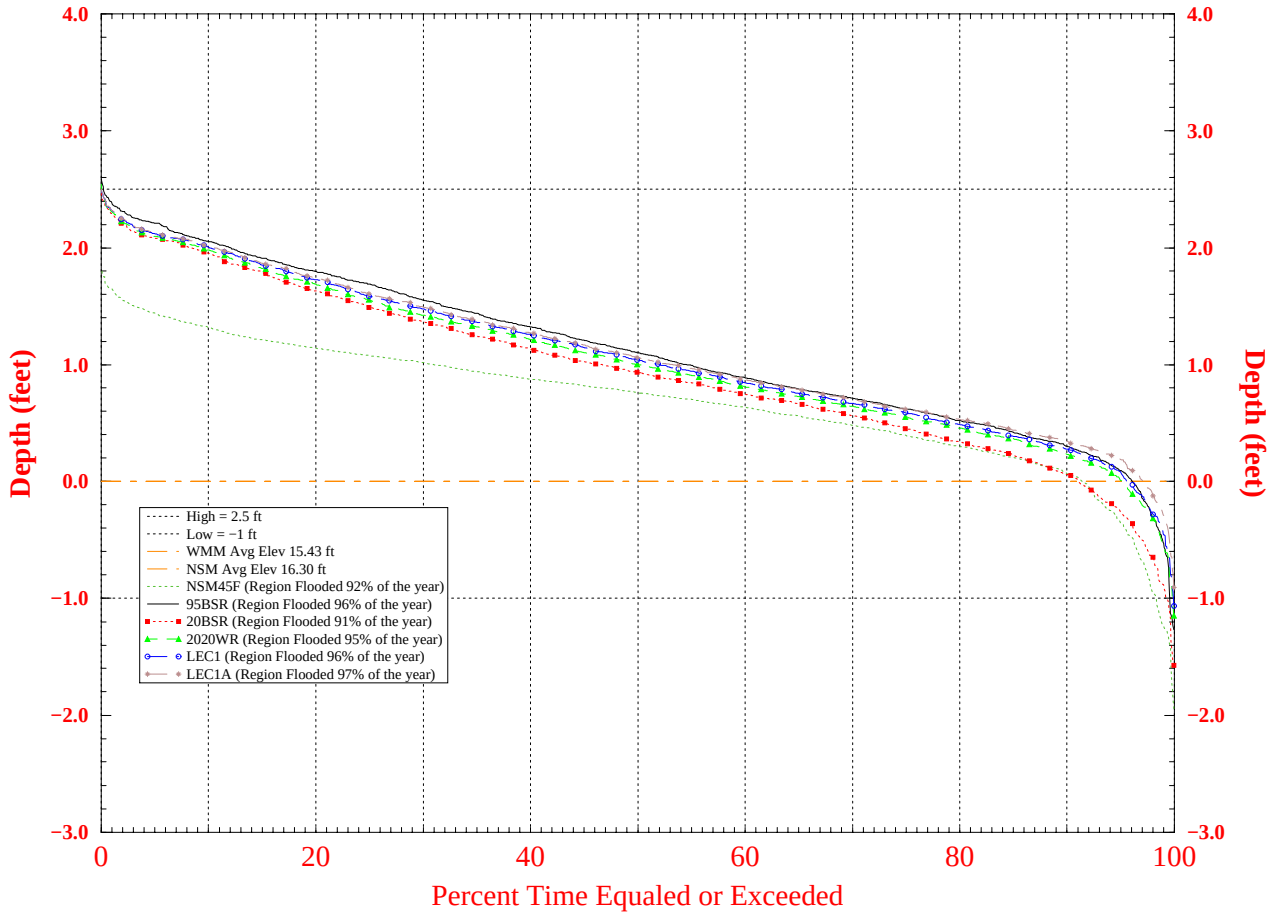


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:03:27 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for North LNWR (WCA-1)

Indicator Region 27 (R47C30-34 R48C30-33 R49C30-33 R50C30-32 R51C30-31)

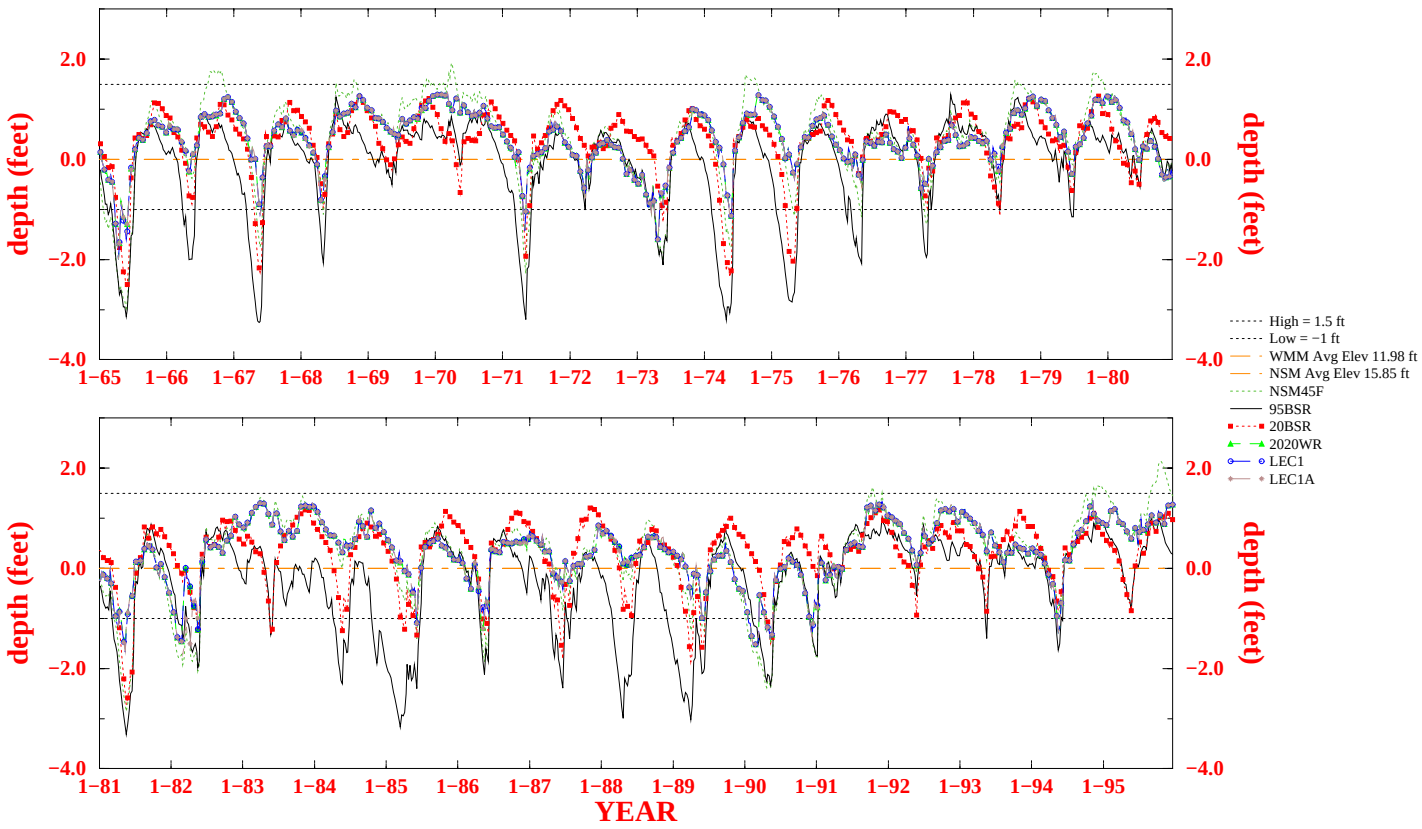


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:03:27 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for Rotenberger WMA

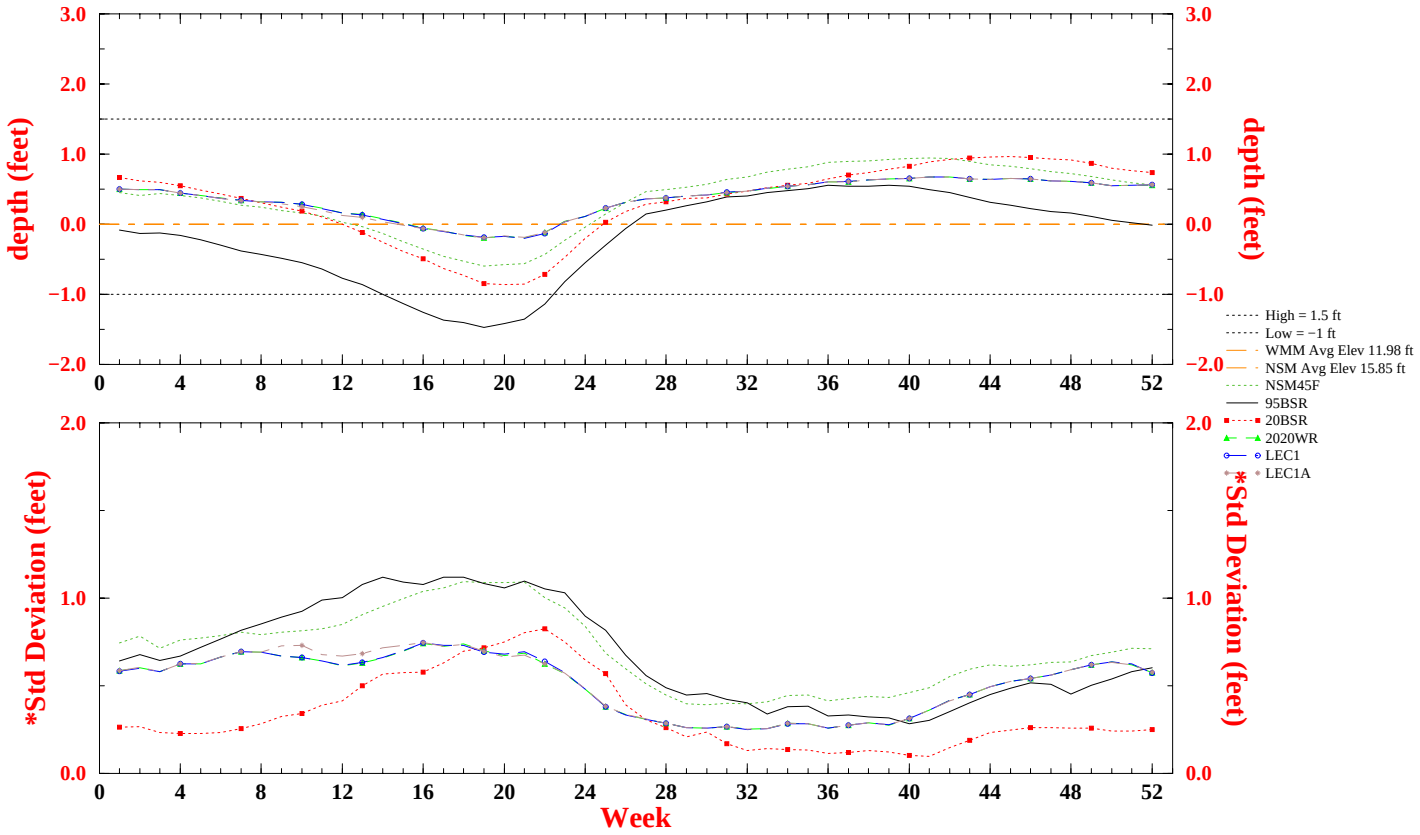
Indicator Region 28 (R43C15-16 R44C15-16 R45C15-16)



Run date: Fri Jan 28 22:03:36 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for Rotenberger WMA

Indicator Region 28 (R43C15-16 R44C15-16 R45C15-16)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

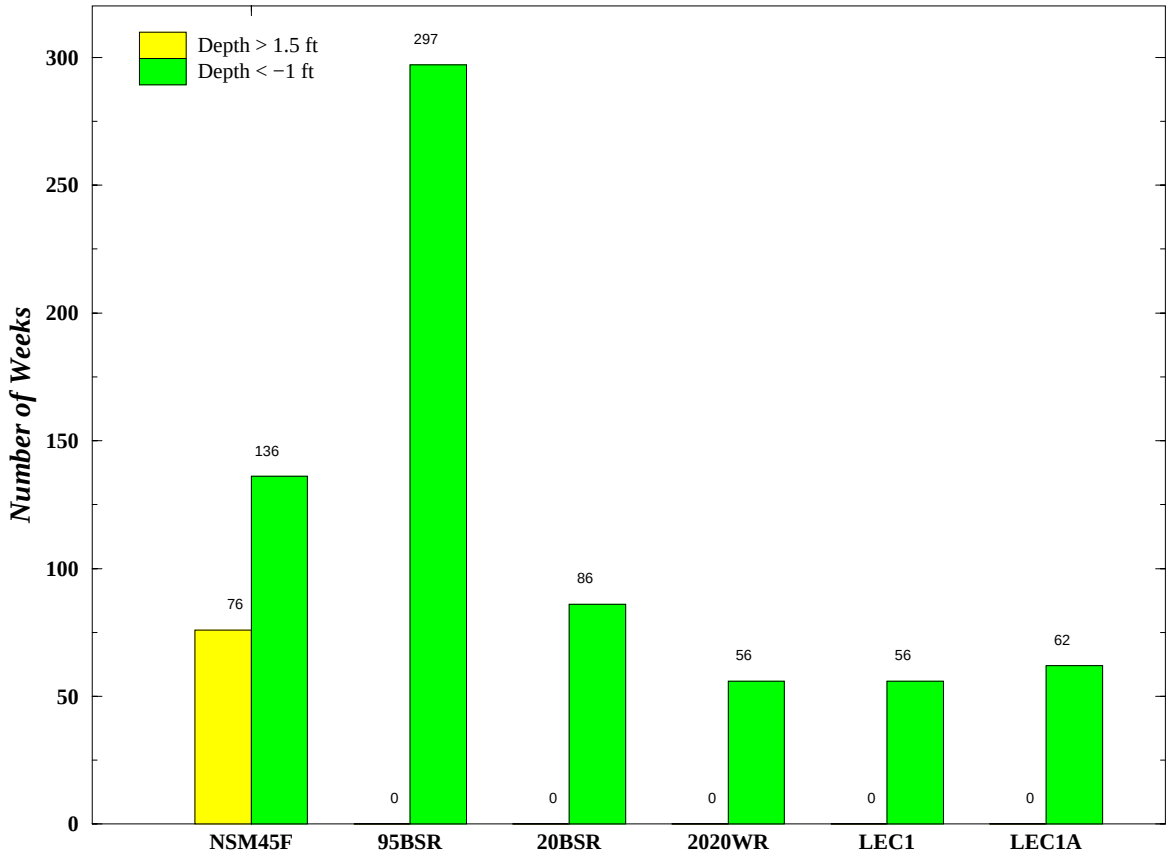
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:03:36 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 28 (R43C15-16 R44C15-16 R45C15-16)

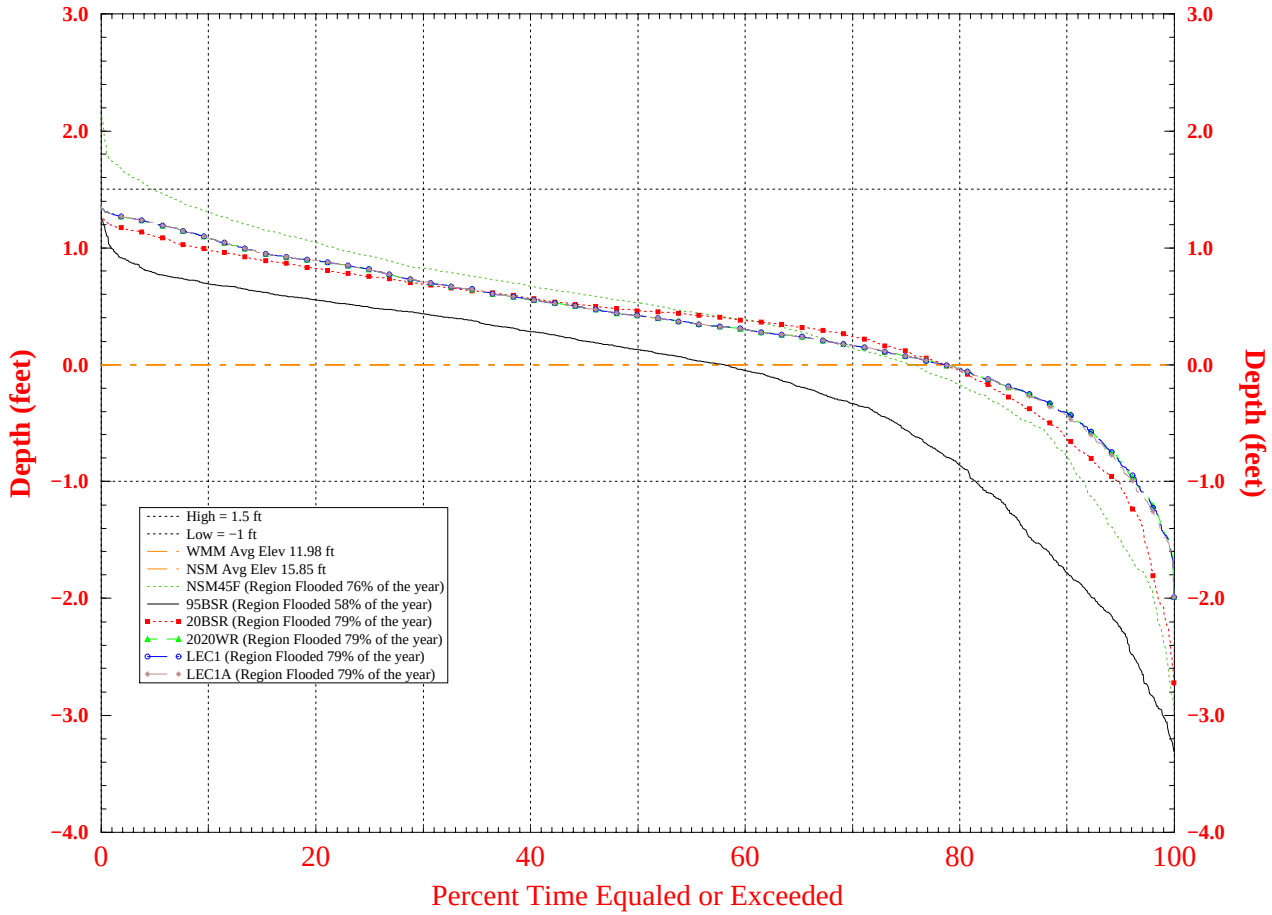


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:03:36 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for Rotenberger WMA

Indicator Region 28 (R43C15-16 R44C15-16 R45C15-16)

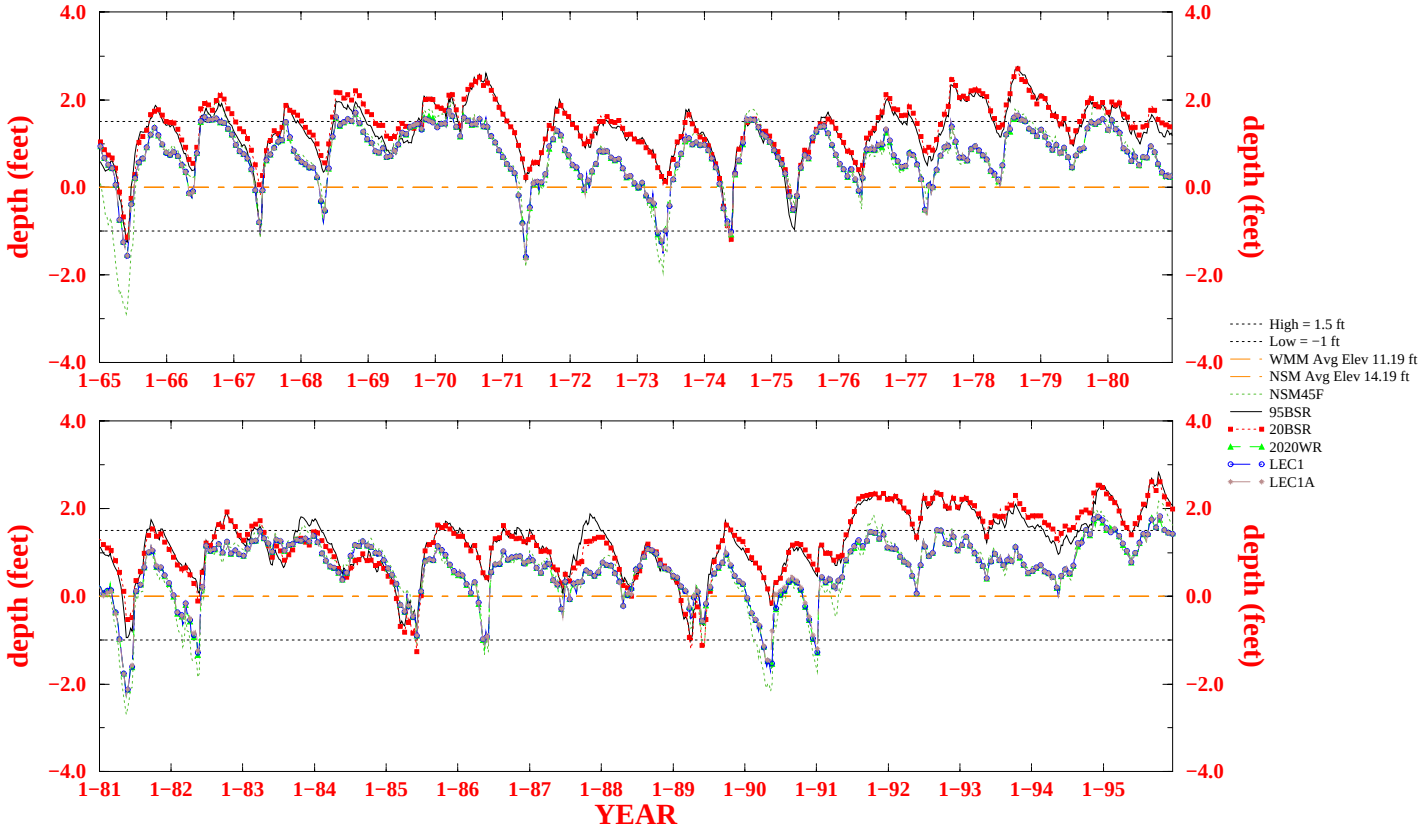


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Fri Jan 28 22:03:36 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for Holey Land WMA

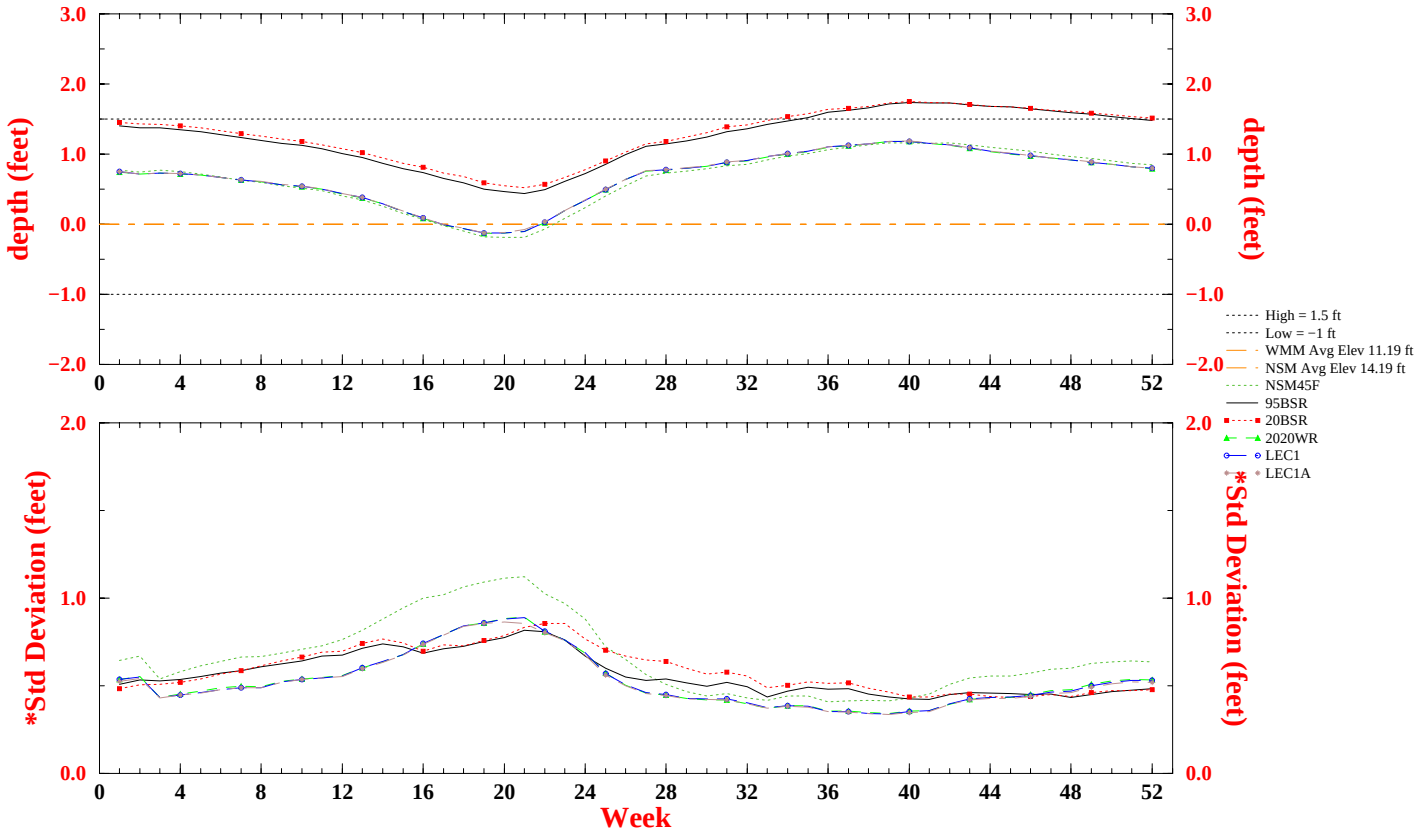
Indicator Region 29 (R42C19-20 R43C18-20 R44C18-19)



Run date: Fri Jan 28 22:03:45 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for Holey Land WMA

Indicator Region 29 (R42C19-20 R43C18-20 R44C18-19)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

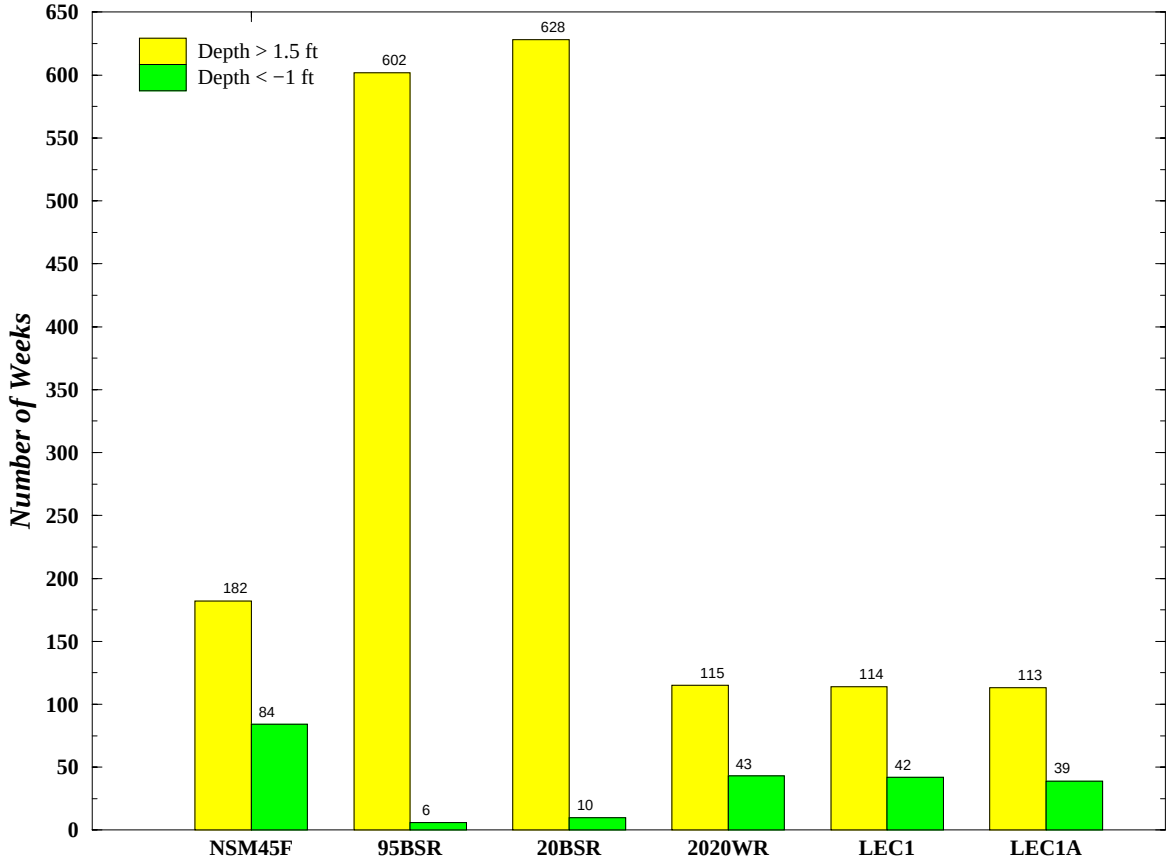
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Fri Jan 28 22:03:45 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 29 (R42C19-20 R43C18-20 R44C18-19)

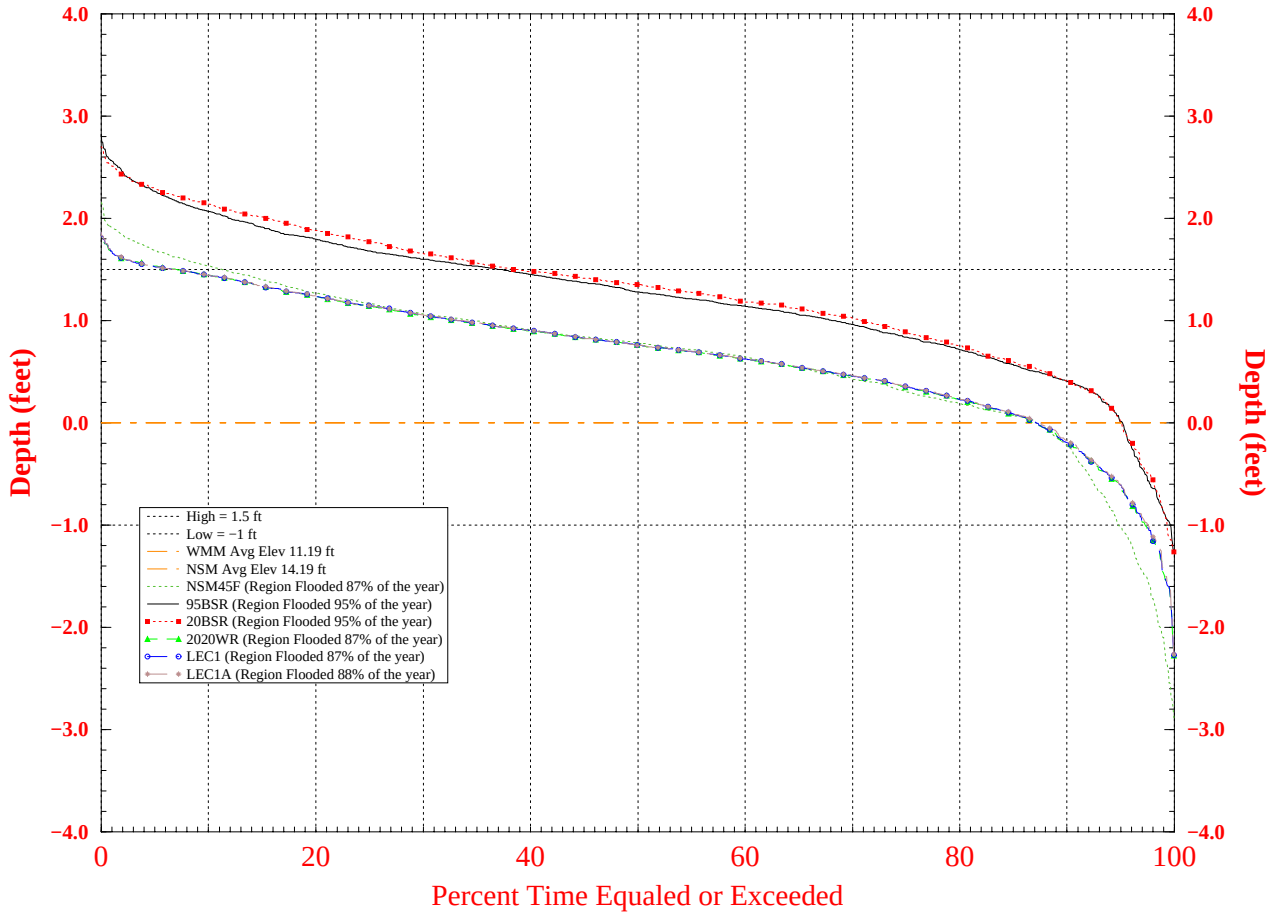


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Fri Jan 28 22:03:45 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for Holey Land WMA

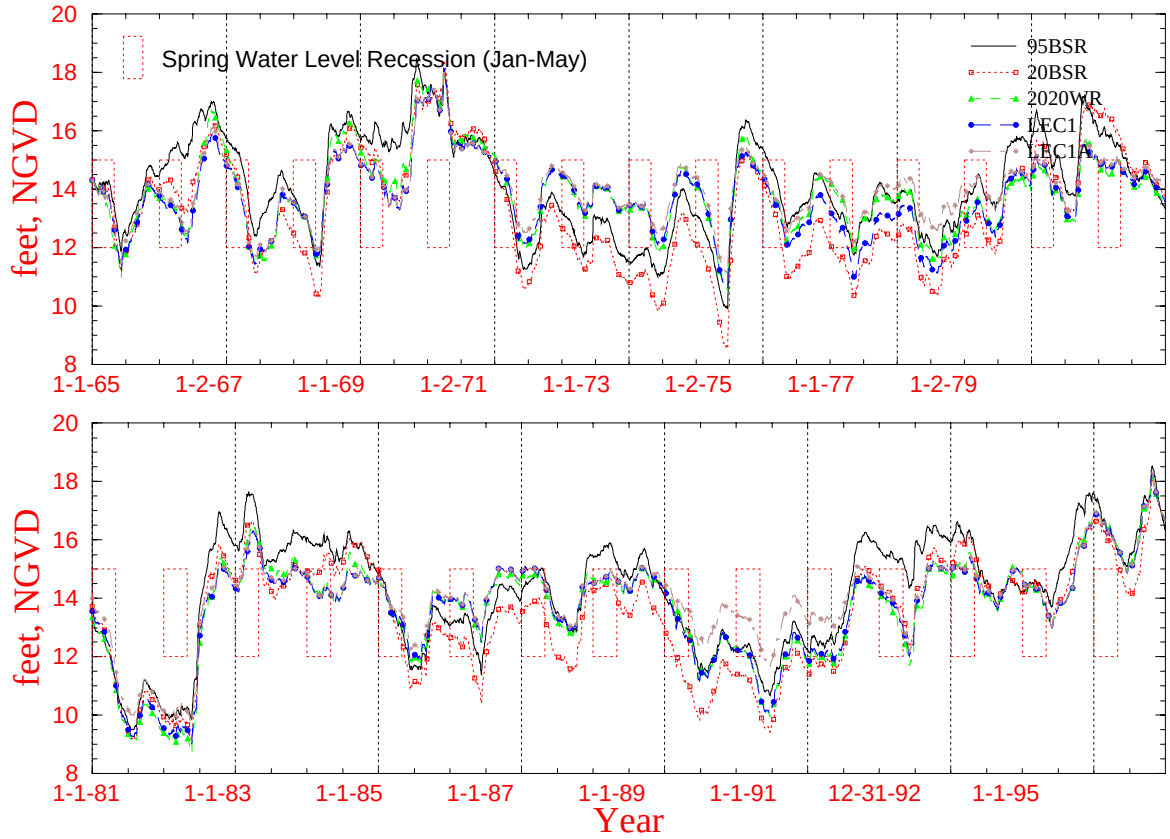
Indicator Region 29 (R42C19-20 R43C18-20 R44C18-19)



Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

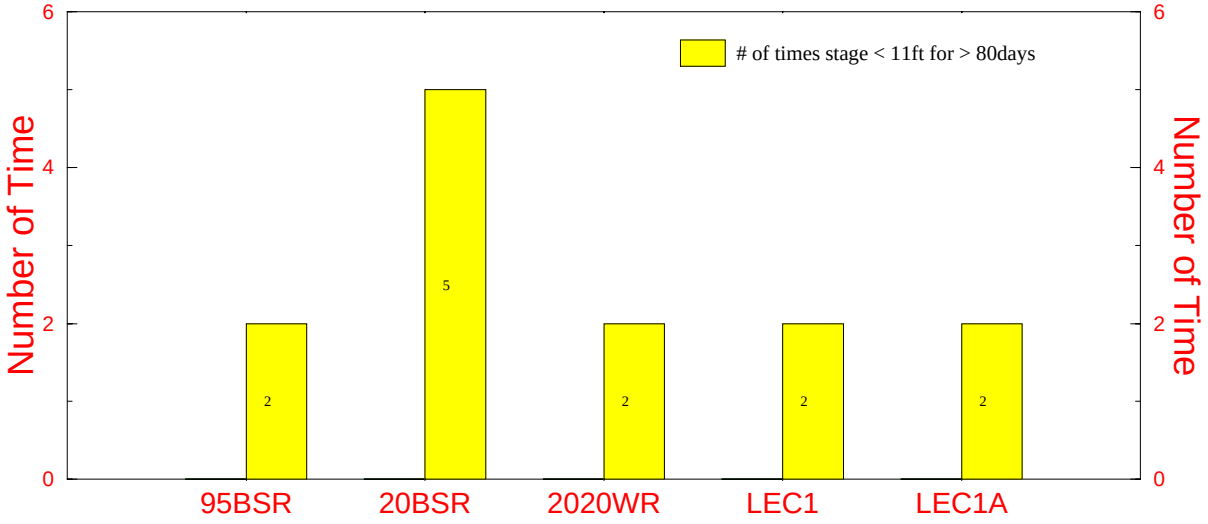
Run date: Fri Jan 28 22:03:45 EST 2000
For Planning Purposes Only
SFWMM V3.4

Daily Stage Hydrographs for Lake Okeechobee
Spring Water Level Recession Windows



Run date: 01/28/00 19:42:08
For Planning Purposes Only
SFWMM V3.7

Number of Times LOK Proposed Minimum Water Level & Duration Criteria were Exceed During the 1965-1995 Simulation

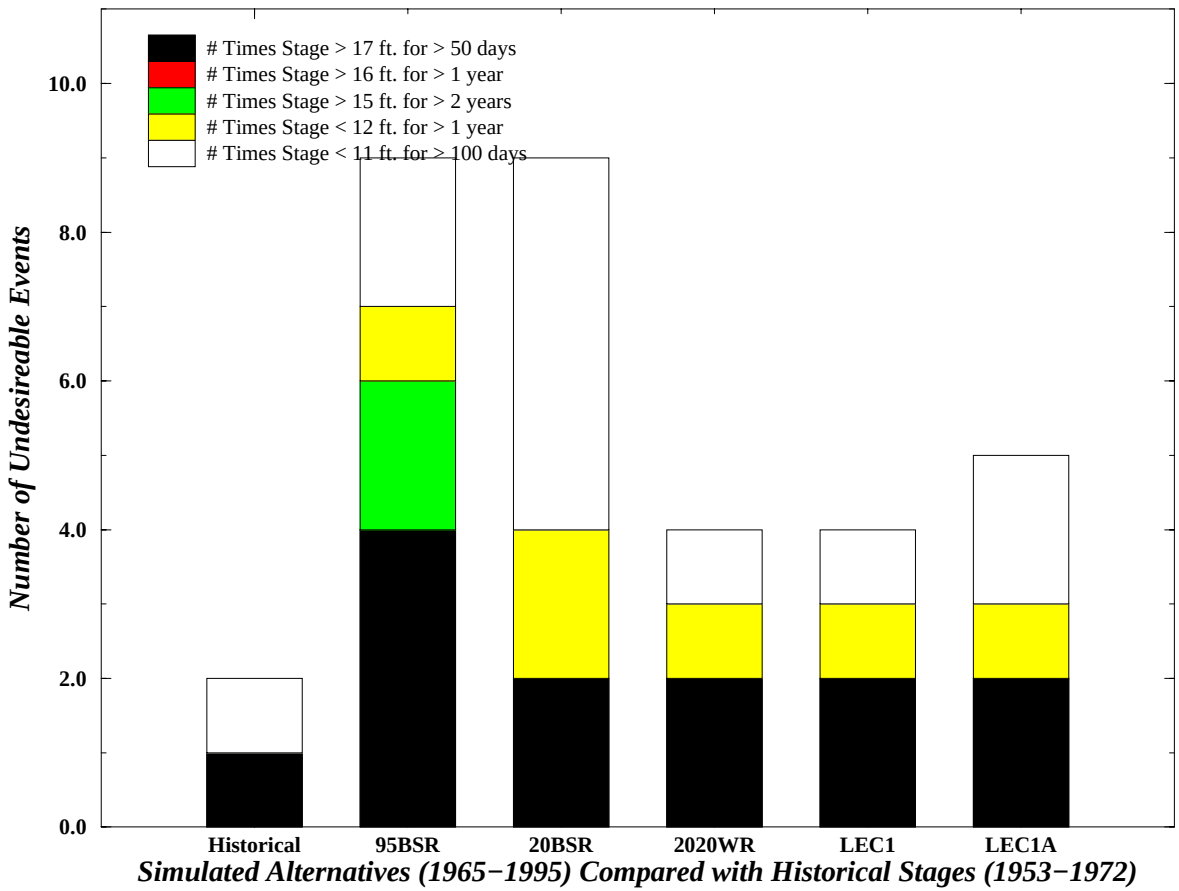


Note:

Target: Minimum Level, duration and Return Frequency − Water levels in Lake Okeechobee should not fall below 11ft NGVD for greater than 80 days more often than once every six years (Target derived from 1952−1995 historical stage data for Lake Okeechobee).

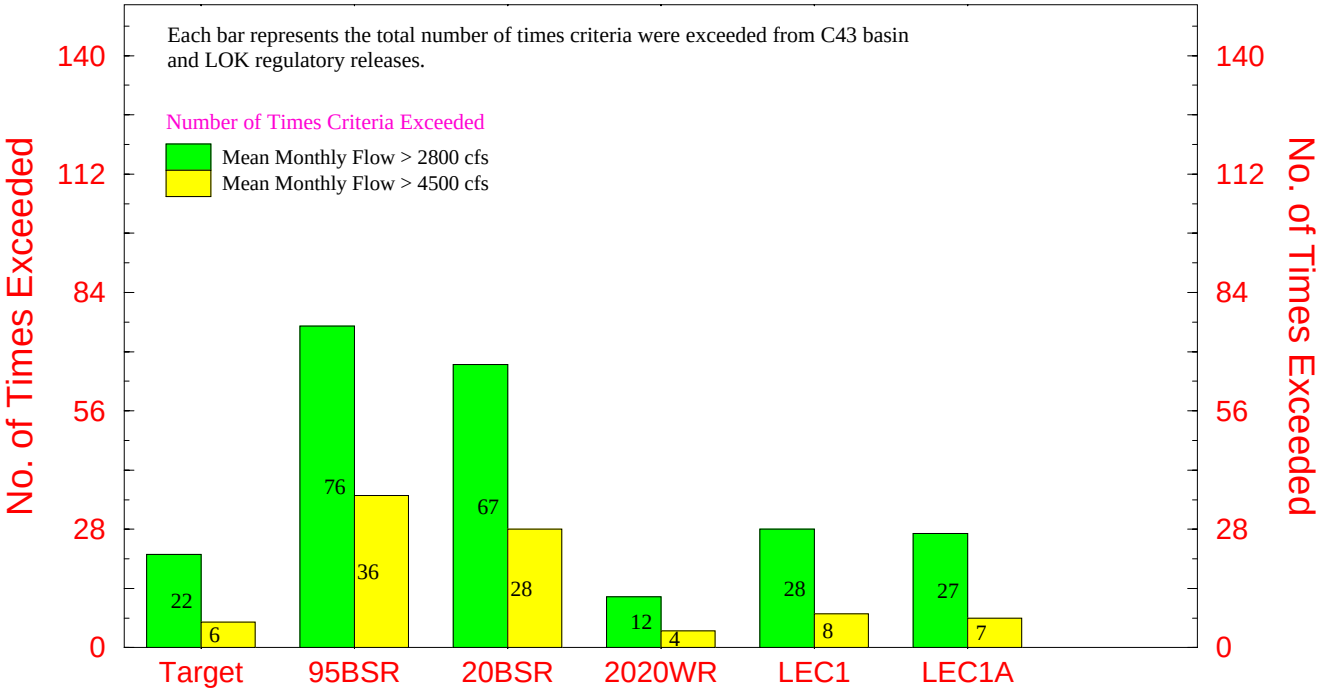
Run date: 01/28/00 17:32:18
For Planning Purposes Only
SFWMM V3.7

Number of Undesireable Lake Okeechobee Stage Events



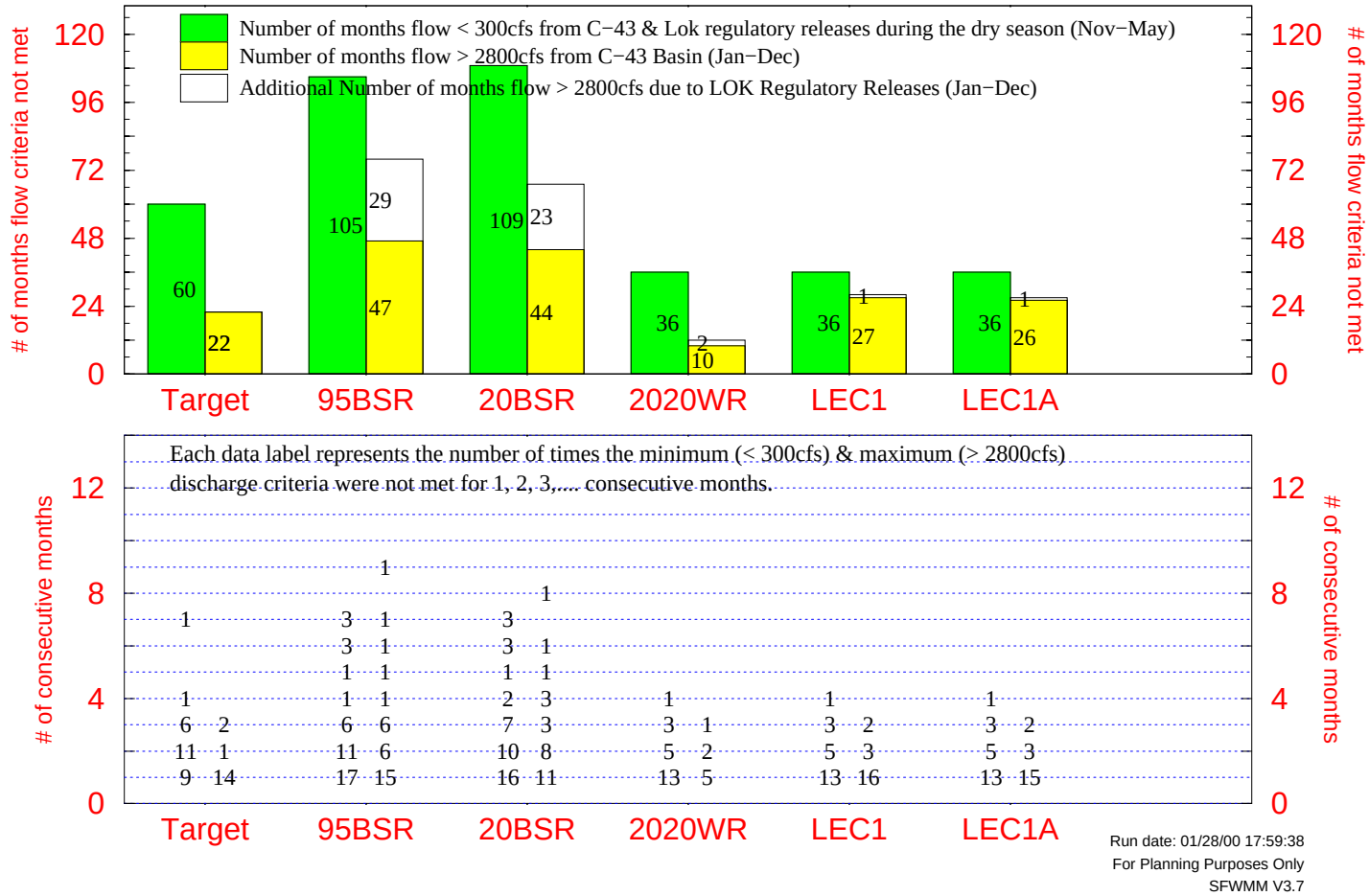
Run date: 01/28/00 21:09:04
For Planning Purposes Only
SFWMM V3.7

Number of Times High Discharge Criteria (mean monthly flows > 2800 & 4500 cfs) were exceeded for the Caloosahatchee Estuary



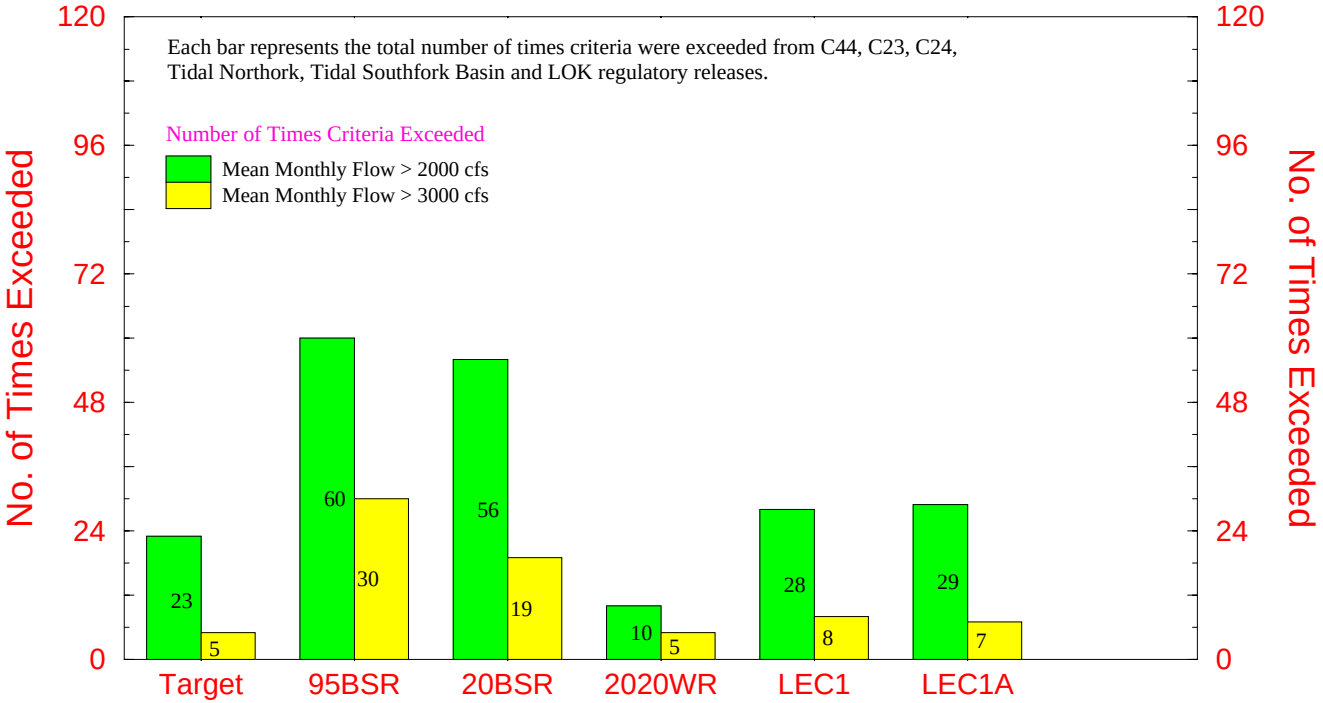
Run date: 01/28/00 17:59:39
For Planning Purposes Only
SFWMM V3.7

Number of times Salinity Envelope Criteria were NOT met for the Calooshatchee Estuary (mean monthly flows 1965 - 1995)



Run date: 01/28/00 17:59:38
For Planning Purposes Only
SFWMM V3.7

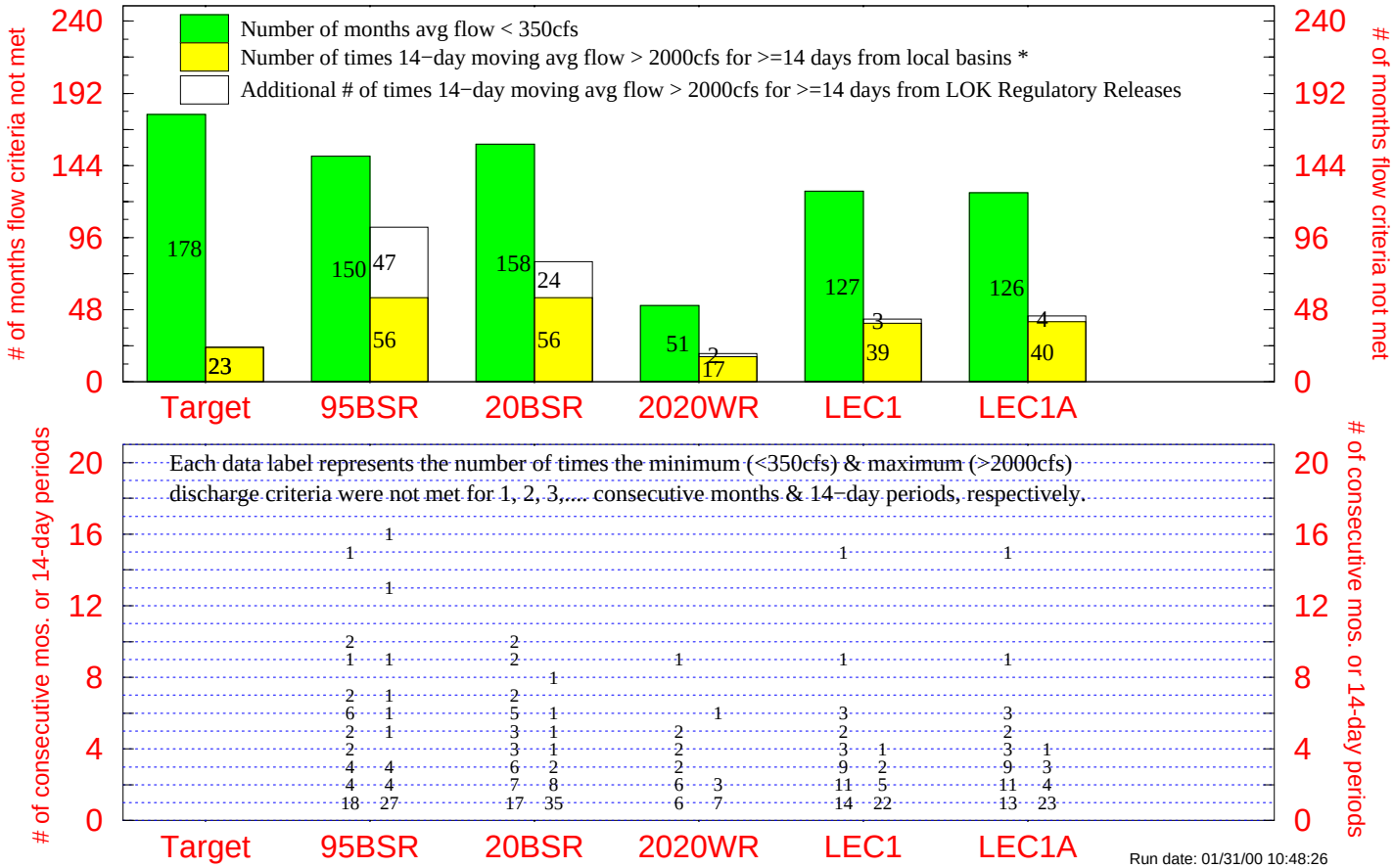
Number of Times High Discharge Criteria (mean monthly flows > 2000 & 3000 cfs) were exceeded for the St. Lucie Estuary



Note: A favorable maximum monthly flow was developed for the estuary (2000 cfs) that will theoretically provide suitable salinity conditions which promote the development of important benthic communities (eg. oysters & shoalgrass). Mean monthly flows above 3000 cfs result in freshwater conditions throughout the entire estuary causing severe impacts to estuarine biota.

Run date: 01/31/00 10:48:26
For Planning Purposes Only
SFWMM V3.7

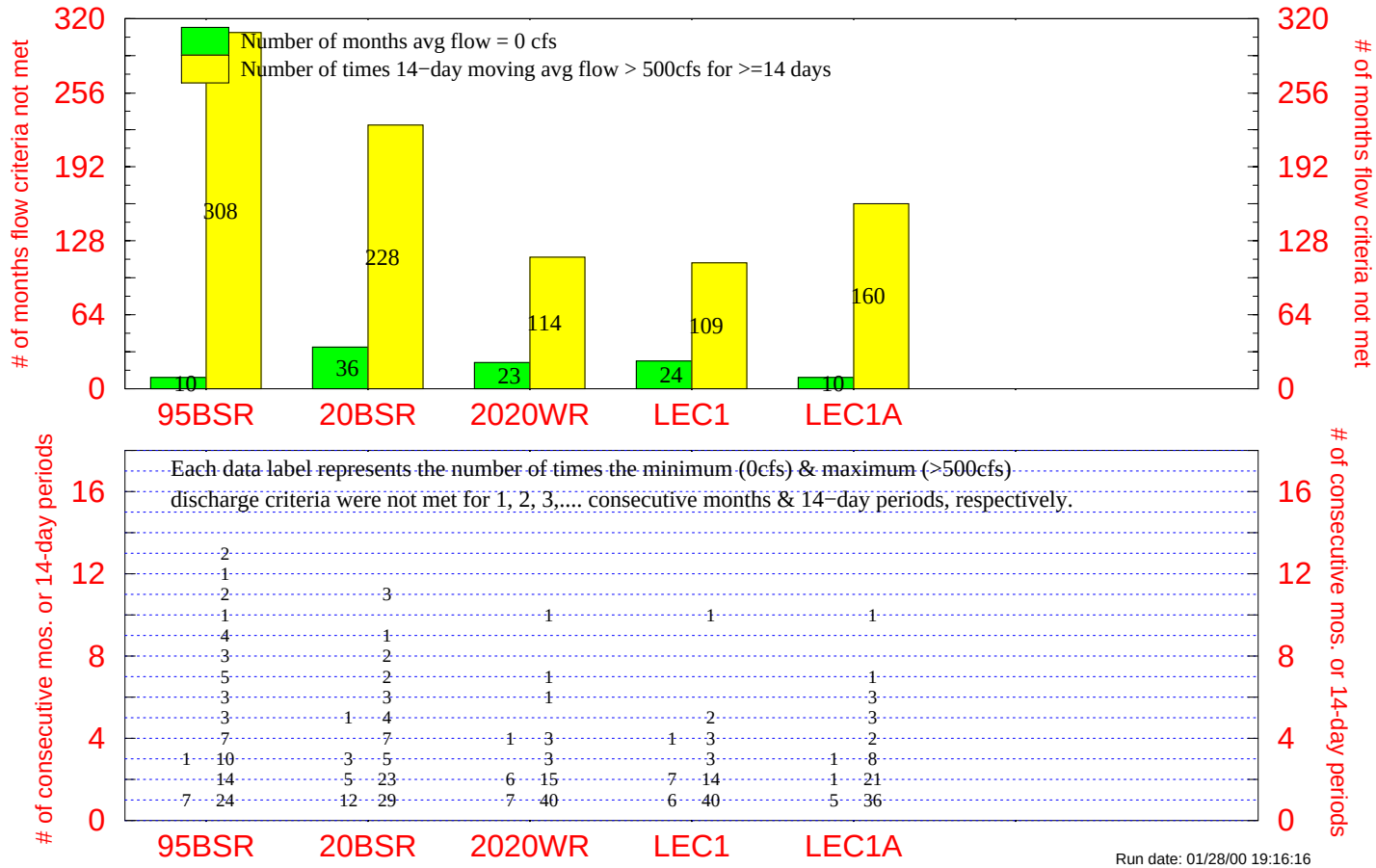
Number of times Salinity Envelope Criteria were NOT met for the St. Lucie Estuary



Note: local basins include the C−44, C−23, C−24, North Fork, and South Fork Basins

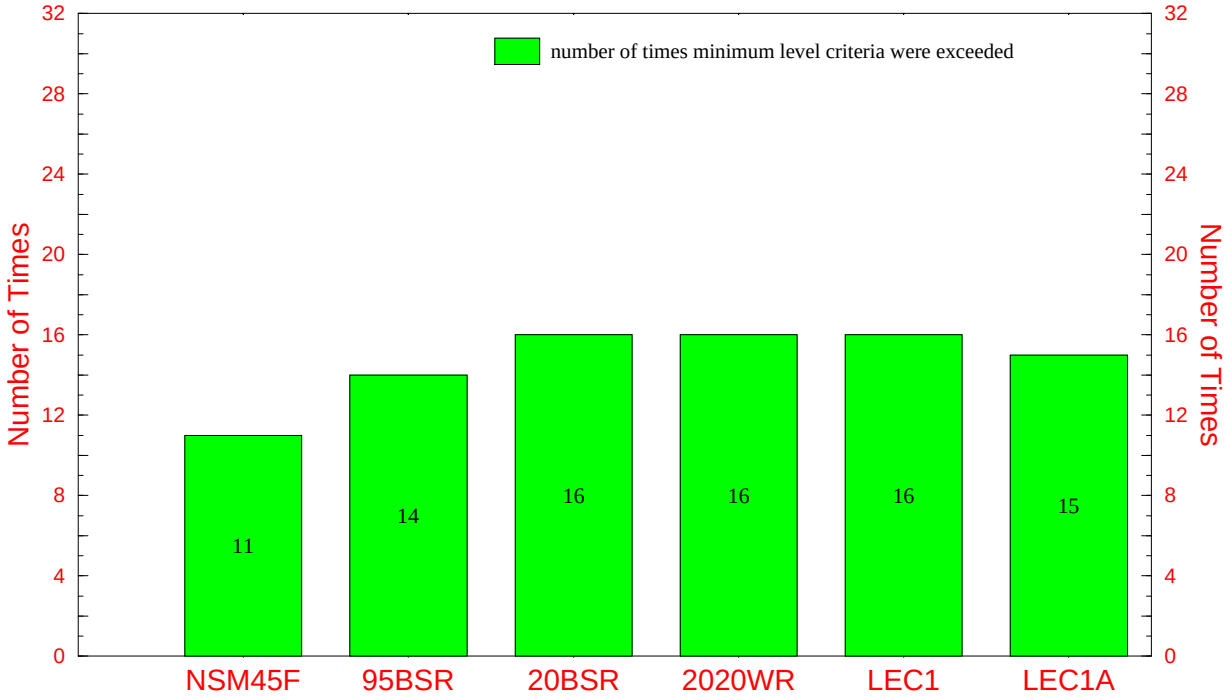
Run date: 01/31/00 10:48:26
For Planning Purposes Only
SFWMM V3.7

Number of times Salinity Envelope Criteria were NOT met for the Lake Worth Lagoon (mean monthly flows 1965 - 1995)



No. of Times Minimum Level Criteria were exceeded* in Taylor Slough , (Gage NP-67)

Indicator Region 1 (R5C21-21 R6C21-22 R7C22-22 R8C23-23)

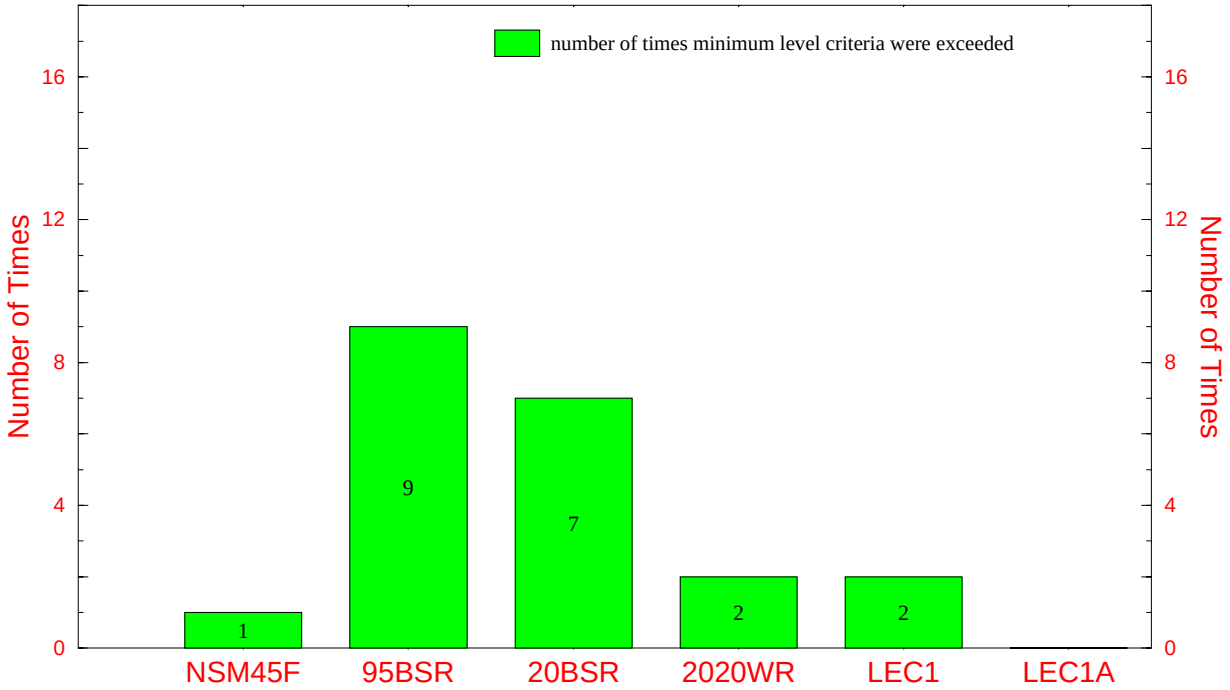


*Minimum level criteria: Stage falls below ground elevation for at least 90 days and stage falls below the minimum level (1.5 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:42:30
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR1.GNP_67.fig

No. of Times Minimum Level Criteria were exceeded* in Mid Shark River Slough , (Gage NP-33)

Indicator Region 10 (R16C18-19 R17C18-20 R18C19-20 R19C20-20)

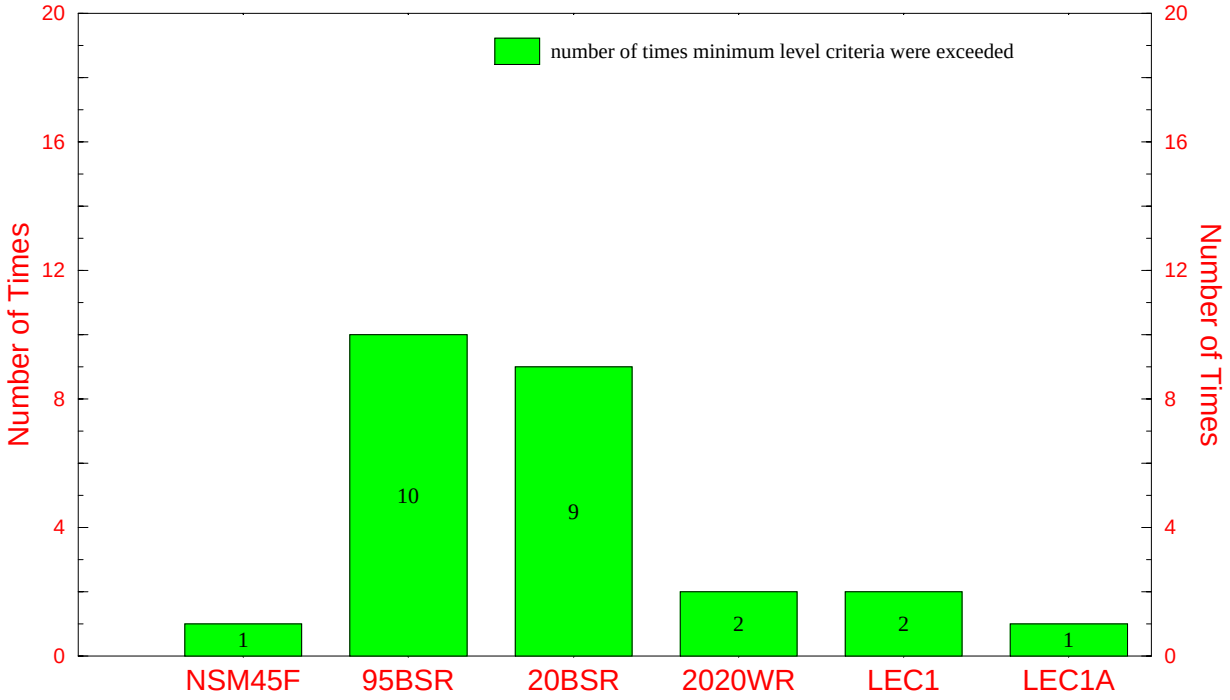


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:44:37
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR10.GNP_33.fig

No. of Times Minimum Level Criteria were exceeded* in NE Shark River Slough , (Gage NESRS-2)

Indicator Region 11 (R19C22-23 R20C22-26 R21C22-26)

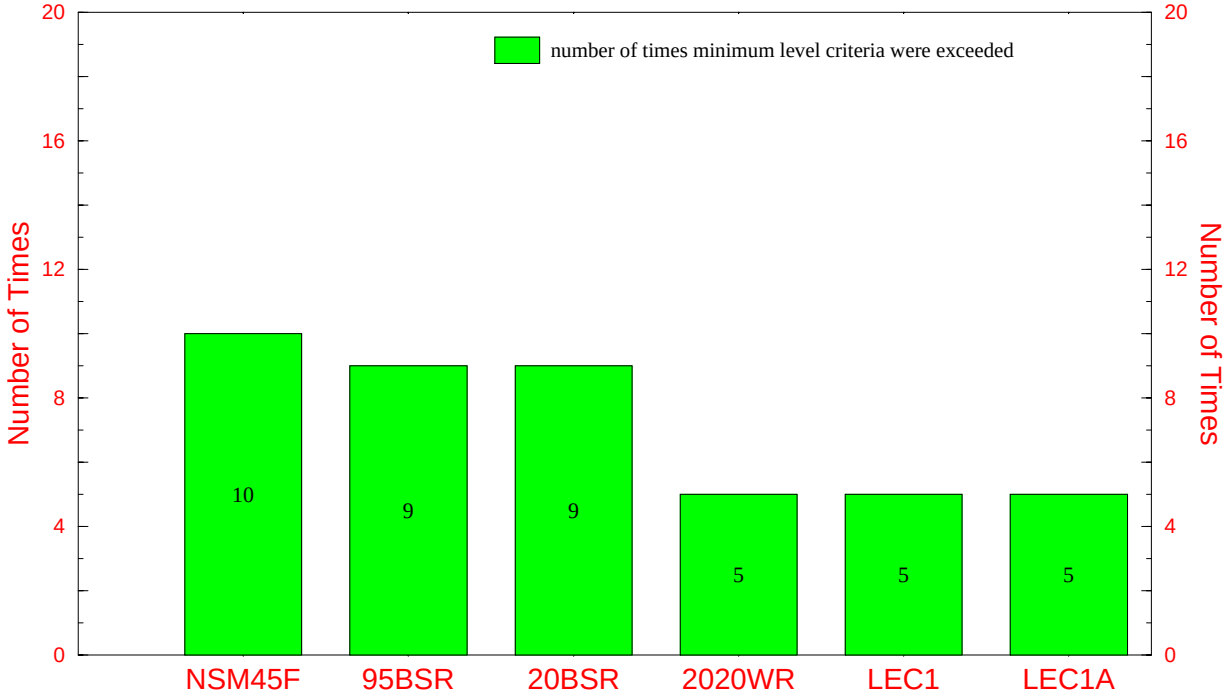


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:45:19
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR11.GNESRS_2.fig

No. of Times Minimum Level Criteria were exceeded* in New Shark River Slough , (Gage NP-201)

Indicator Region 12 (R19C18-18 R20C18-19 R21C18-19)

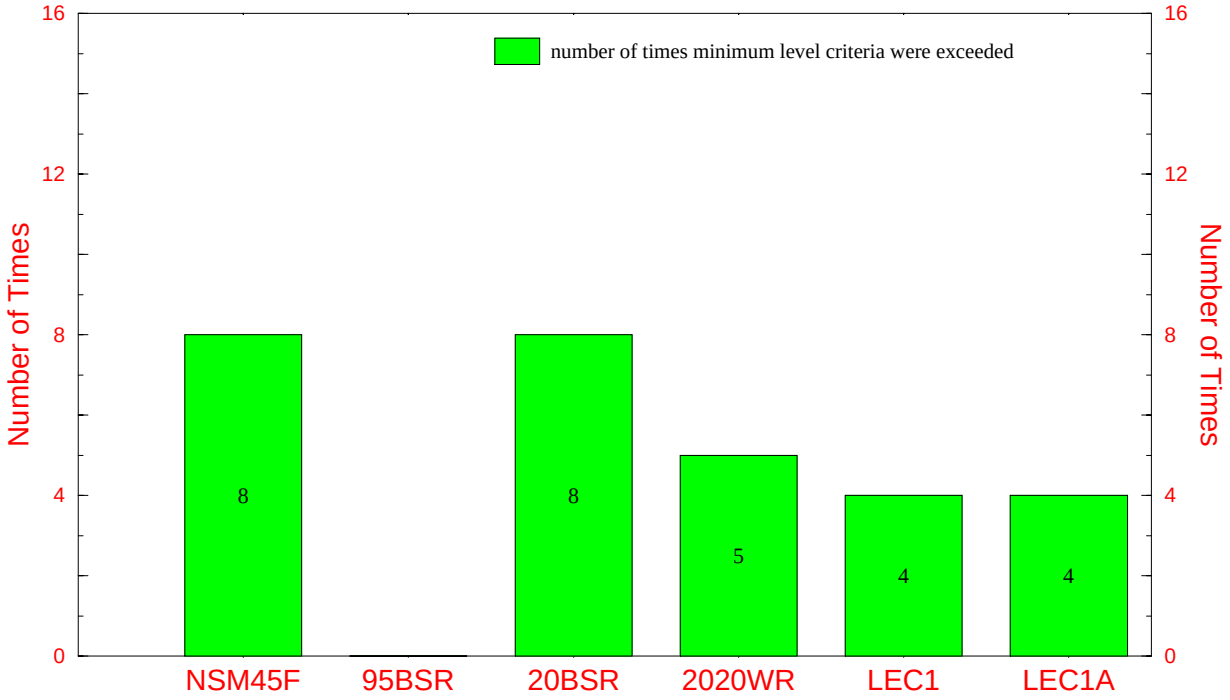


*Minimum level criteria: Stage falls below ground elevation for at least 90 days and stage falls below the minimum level (1.5 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:46:00
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR12.GNP_201.fig

No. of Times Minimum Level Criteria were exceeded* in South WCA-3A , (Gage 3A-28)

Indicator Region 14 (R23C17-20 R24C17-20 R25C17-21)

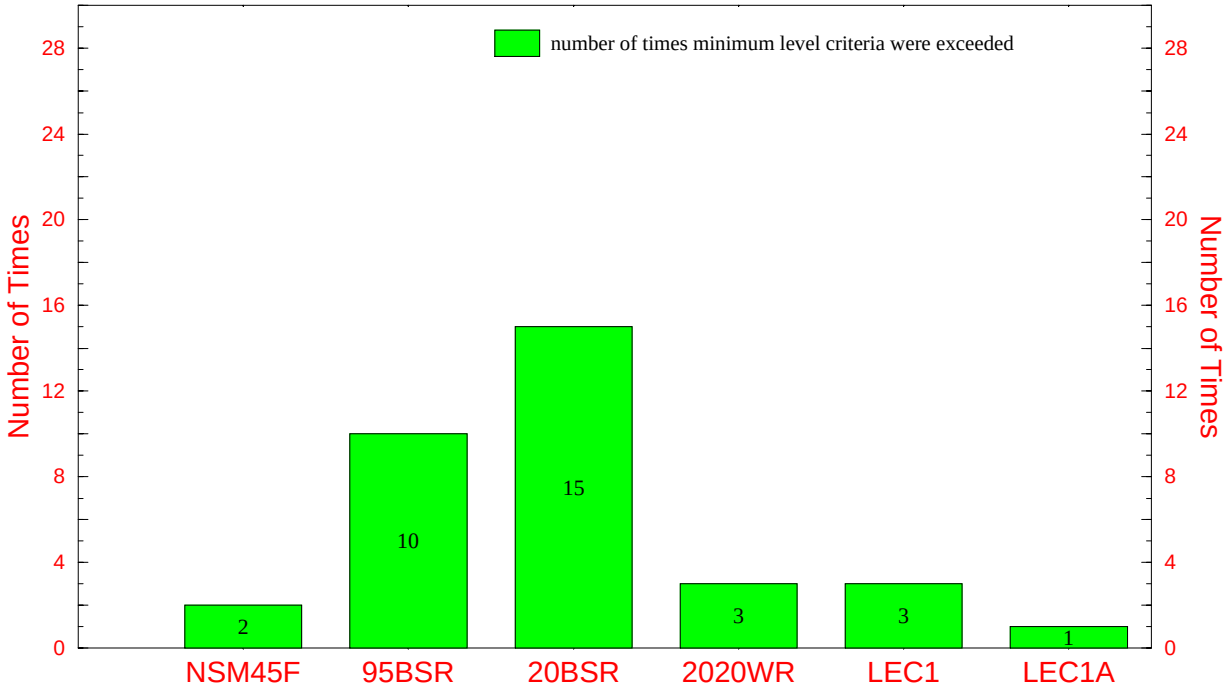


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:46:42
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR14.G3A_28.fig

No. of Times Minimum Level Criteria were exceeded* in East WCA-3B , (Gage 3B-SE)

Indicator Region 16 (R23C24-26 R24C25-26 R25C26-26 R26C26-26)

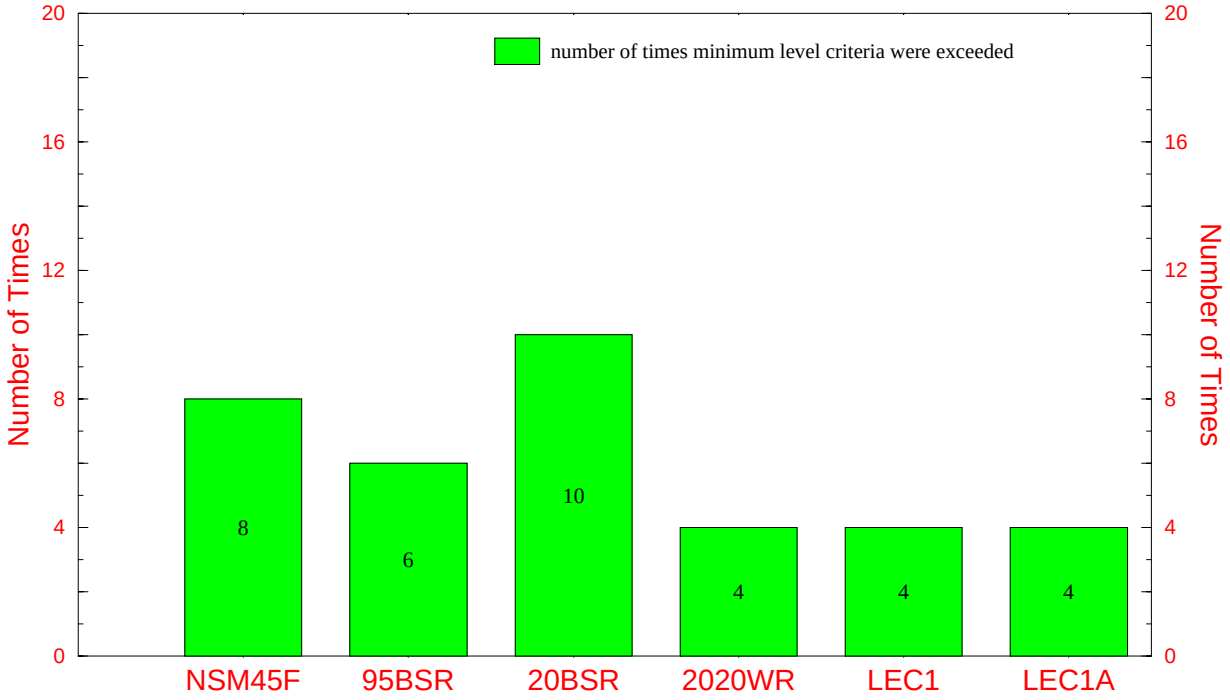


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:47:23
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR16.G3B_SE.fig

No. of Times Minimum Level Criteria were exceeded* in South Central WCA-3A , (Gage 3A-4)

Indicator Region 17 (R28C17-21 R29C17-22 R30C18-22 R31C18-22)

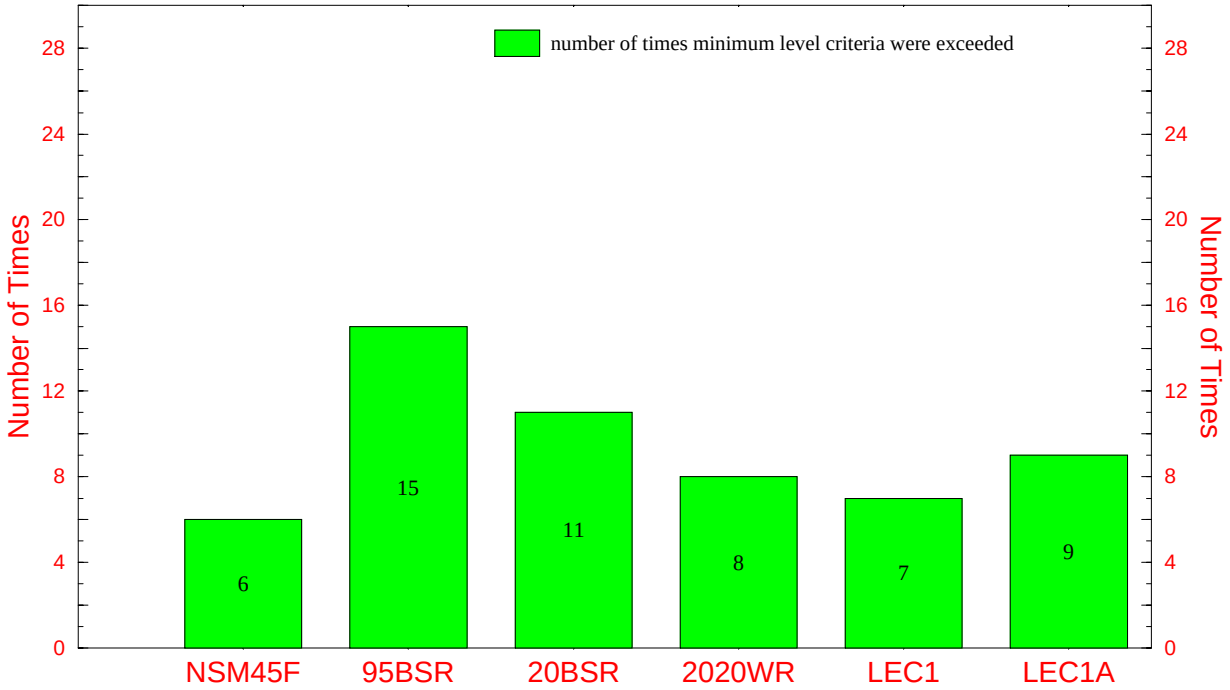


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:48:05
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR17.G3A_4.fig

No. of Times Minimum Level Criteria were exceeded* in NW WCA-3A , (Gage 3A-2)

Indicator Region 20 (R36C18-18 R37C18-19 R38C17-19 R39C18-18)

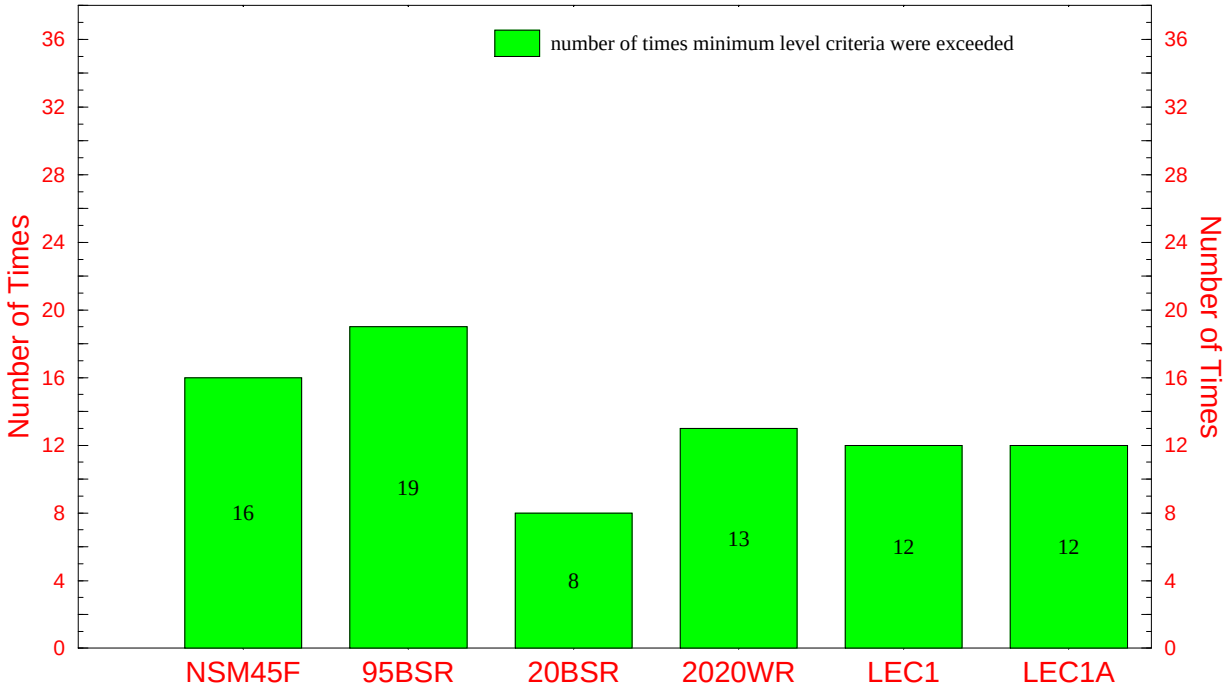


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:48:47
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR20.G3A_2.fig

No. of Times Minimum Level Criteria were exceeded* in NE WCA-3A , (Gage 3A-NE)

Indicator Region 21 (R38C23-24 R39C23-25 R40C22-25)

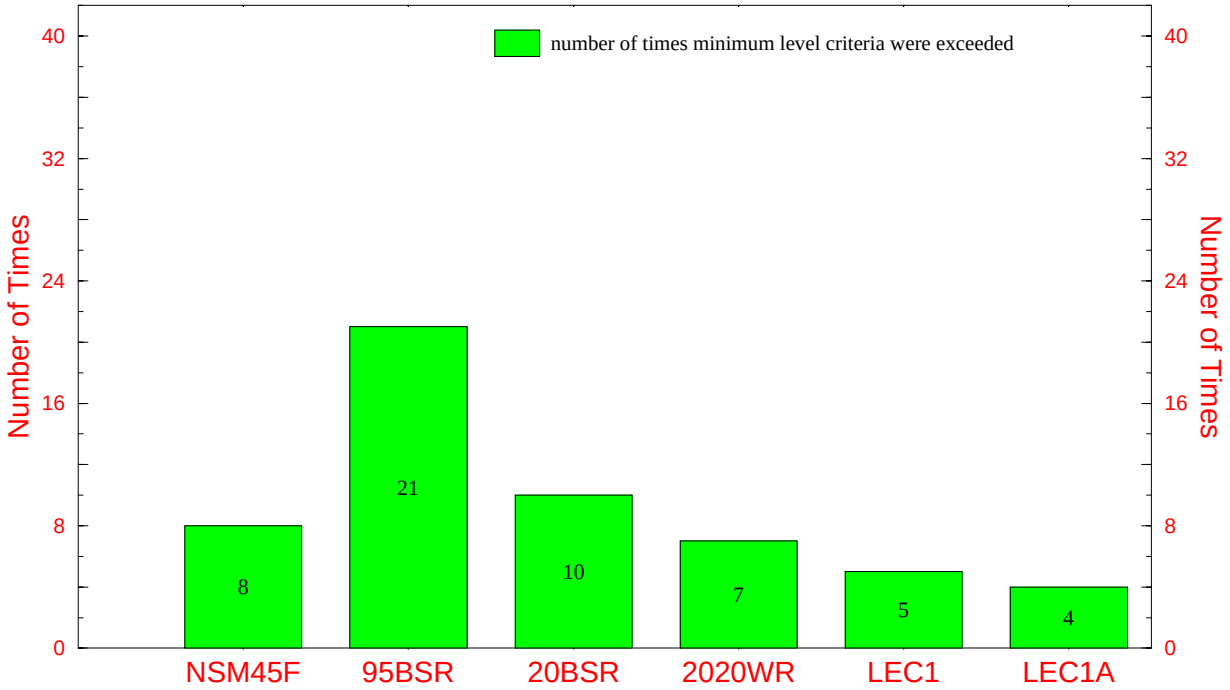


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:49:29
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR21.G3A_NE.fig

No. of Times Minimum Level Criteria were exceeded* in NW Corner WCA-3A , (Gage 3A-NW)

Indicator Region 22 (R39C17-17 R40C17-18 R41C17-17)

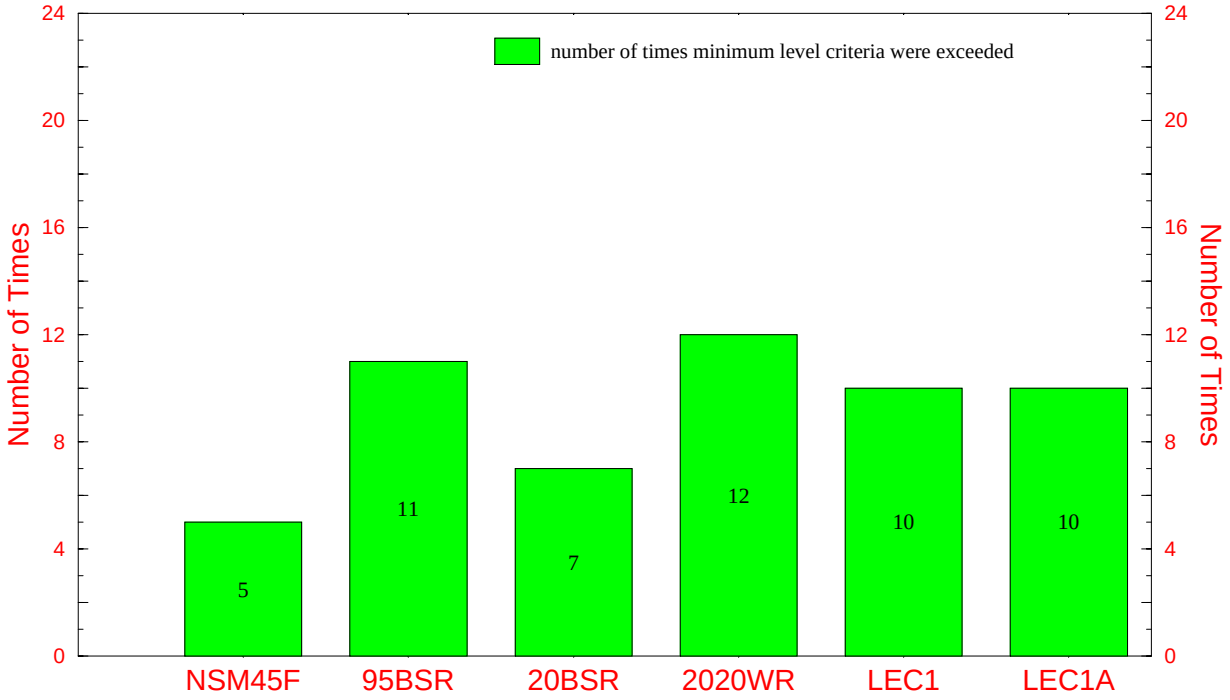


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:50:10
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR22.G3A_NW.fig

No. of Times Minimum Level Criteria were exceeded* in WCA-2B , (Gage 2B-Central)

Indicator Region 23 (R36C29-31 R37C30-32)

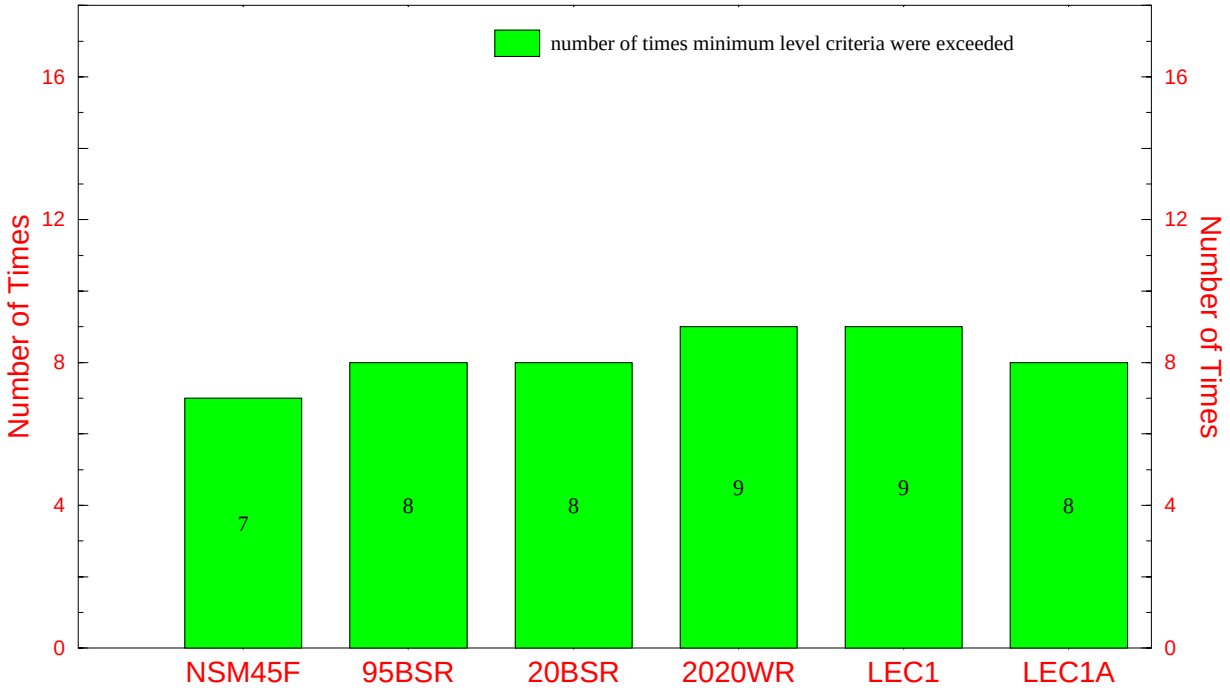


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:50:53
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR23.G2B_Central.fig

No. of Times Minimum Level Criteria were exceeded* in South WCA-2A , (Gage 2A-17)

Indicator Region 24 (R39C29-31 R40C28-31 R41C28-28)

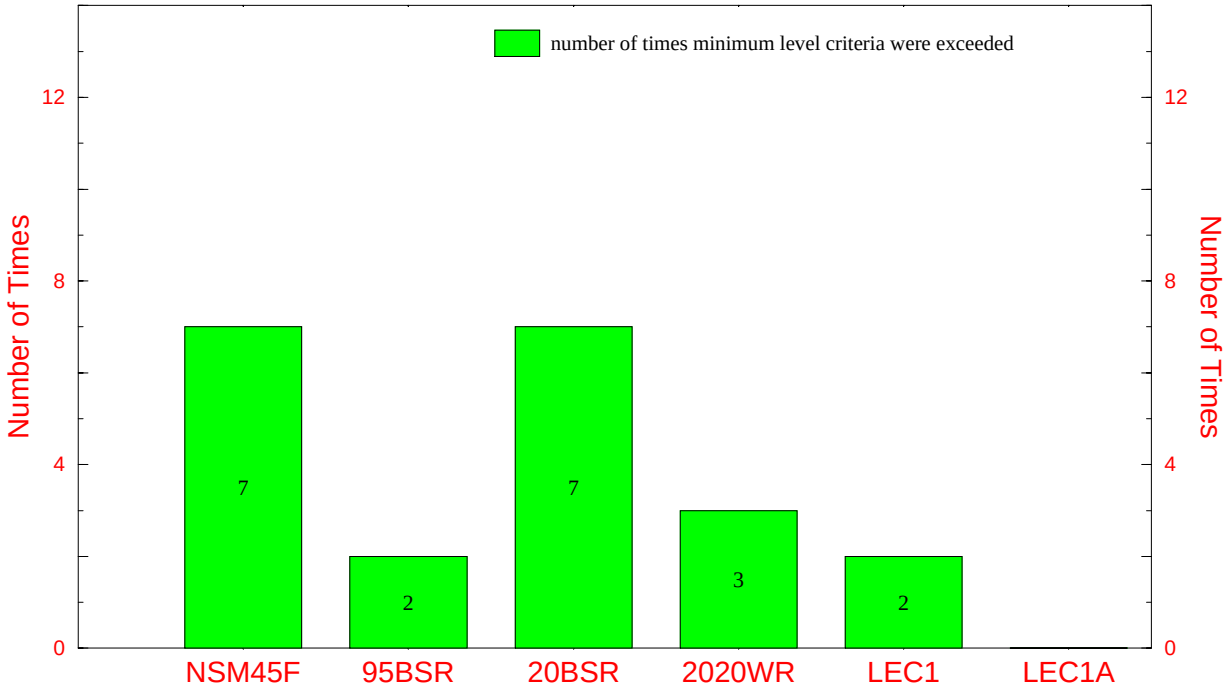


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:51:34
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR24.G2A-17.fig

No. of Times Minimum Level Criteria were exceeded* in North LNWR (WCA-1) , (Gage 1-7)

Indicator Region 27 (R47C30-34 R48C30-33 R49C30-33 R50C30-32 R51C30-31)

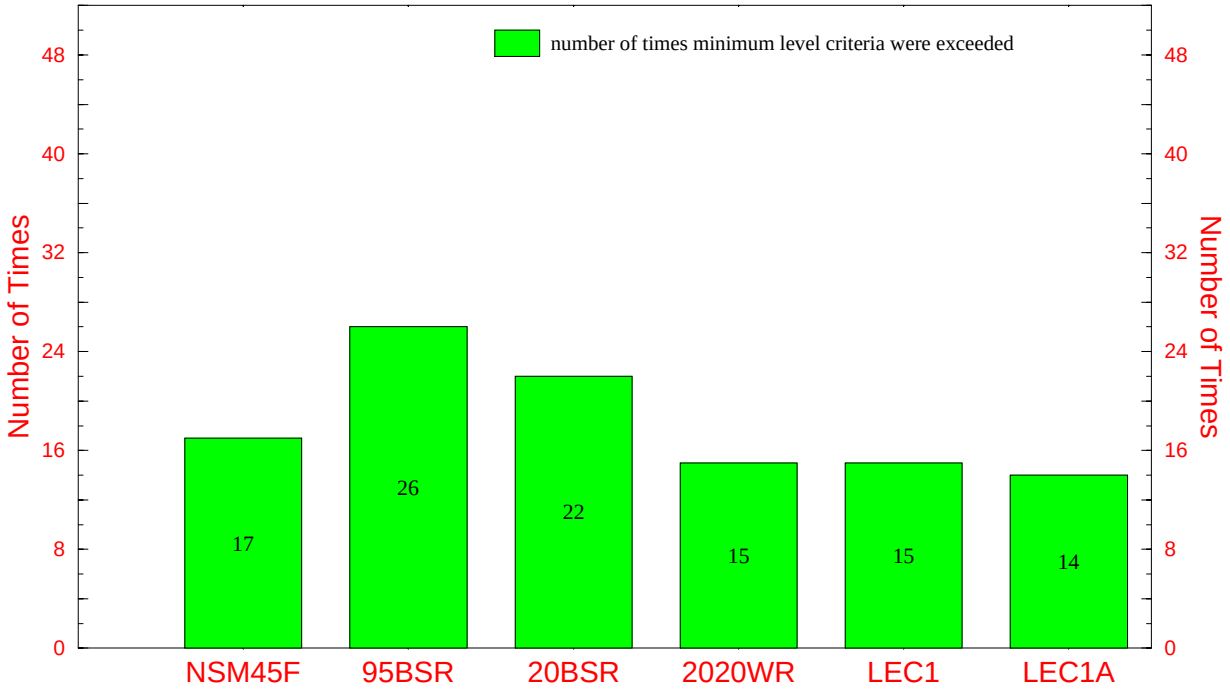


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:52:16
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR27.G1_7.fig

No. of Times Minimum Level Criteria were exceeded* in Rotenberger WMA , (Gage Rotts)

Indicator Region 28 (R43C15-16 R44C15-16 R45C15-16)

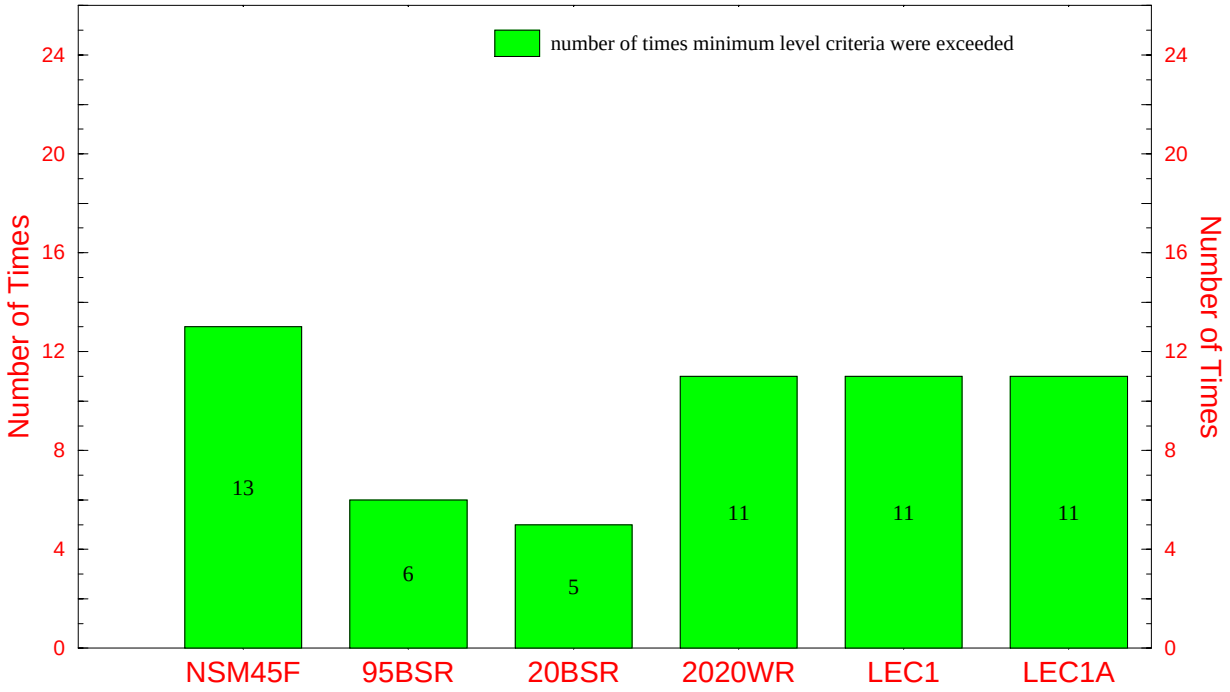


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:56:27
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR28.GRotts.fig

No. of Times Minimum Level Criteria were exceeded* in Holey Land WMA , (Gage Holey-G)

Indicator Region 29 (R42C19-20 R43C18-20 R44C18-19)

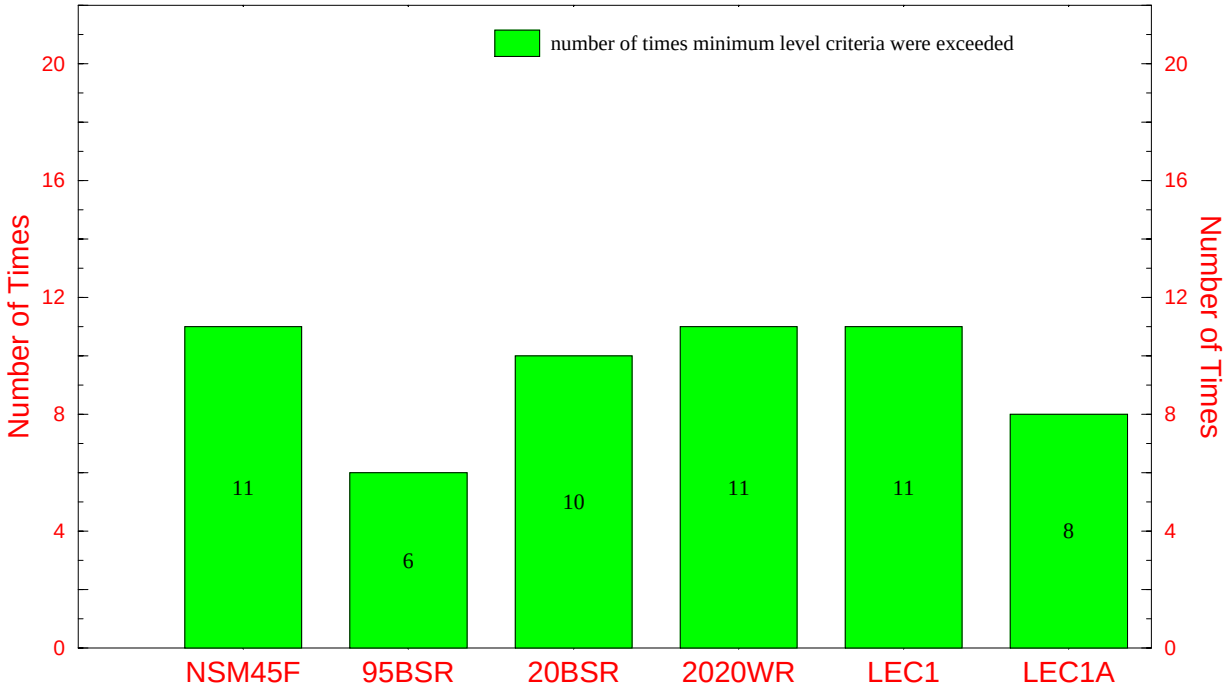


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:55:45
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR29.GHoley_G.fig

No. of Times Minimum Level Criteria were exceeded* in S of NE WCA-3A , (Gage 3A-3)

Indicator Region 68 (R36C24-25 R37C24-26)

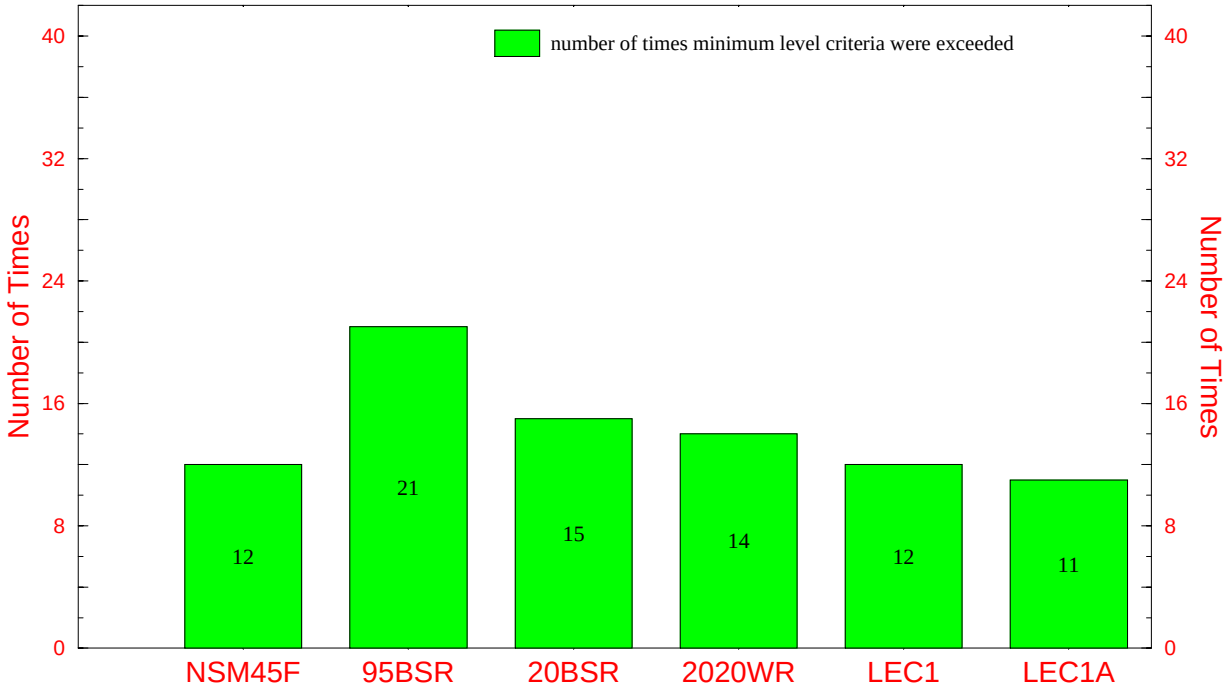


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:54:21
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR68.G3A_3.fig

No. of Times Minimum Level Criteria were exceeded* in Eastern edge of SRS , (Gage NP-38)

Indicator Region 70 (R8C16-17 R9C16-17)

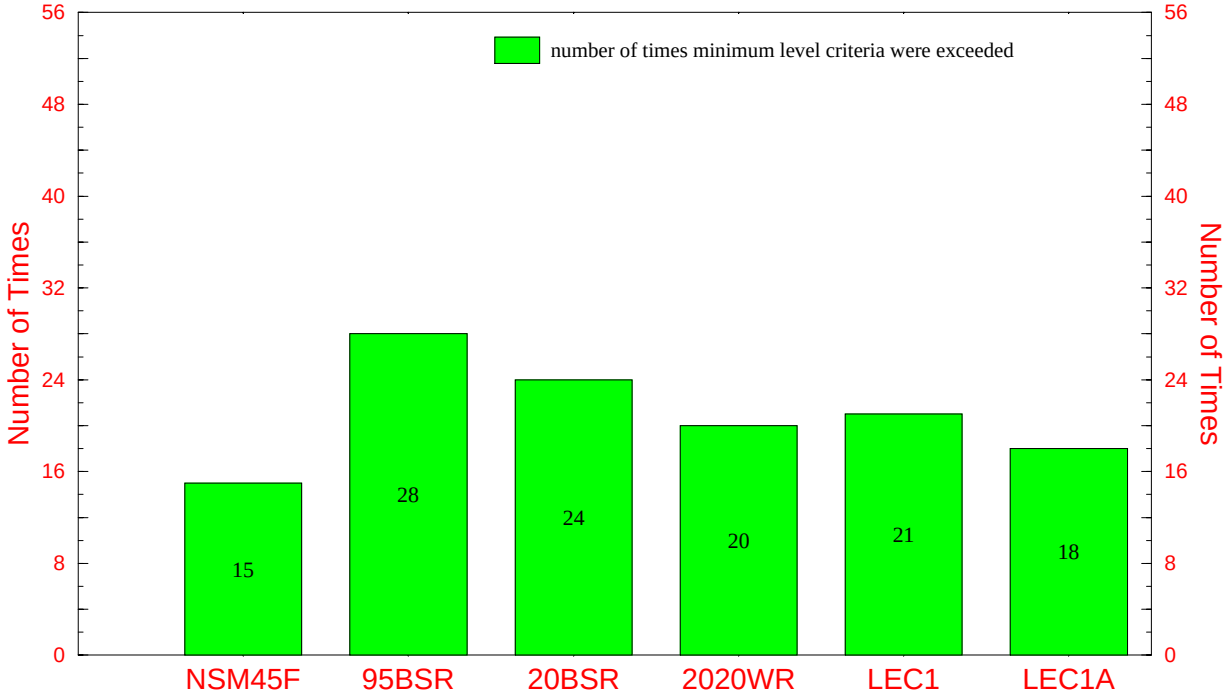


*Minimum level criteria: Stage falls below ground elevation for at least 90 days and stage falls below the minimum level (1.5 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:55:04
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR70.GNP_38.fig

No. of Times Minimum Level Criteria were exceeded* in Rockland Marl Marsh , (Gage G-1502)

Indicator Region 8 (R12C21-22 R13C20-23 R14C21-23 R15C21-23 R16C22-23 R17C23-24 R18C24-25 R19C25-25)

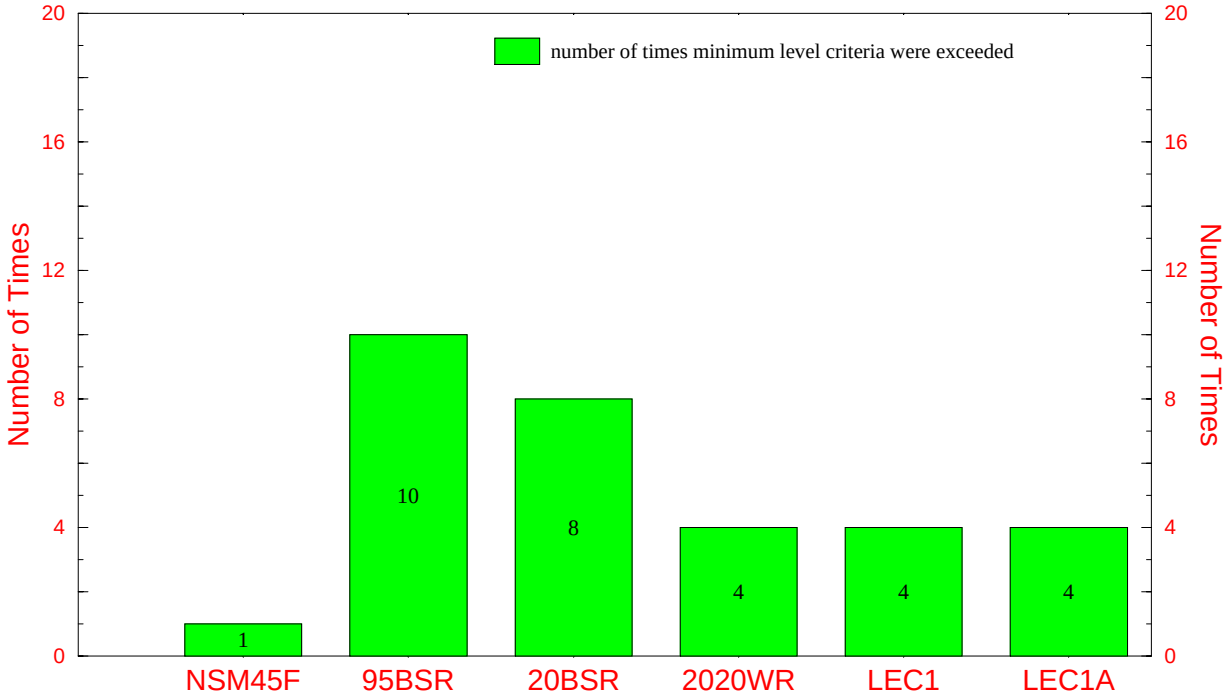


*Minimum level criteria: Stage falls below ground elevation for at least 90 days and stage falls below the minimum level (1.5 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:43:13
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR8.GG_1502.fig

No. of Times Minimum Level Criteria were exceeded* in SW Shark River Slough , (Gage NP-36)

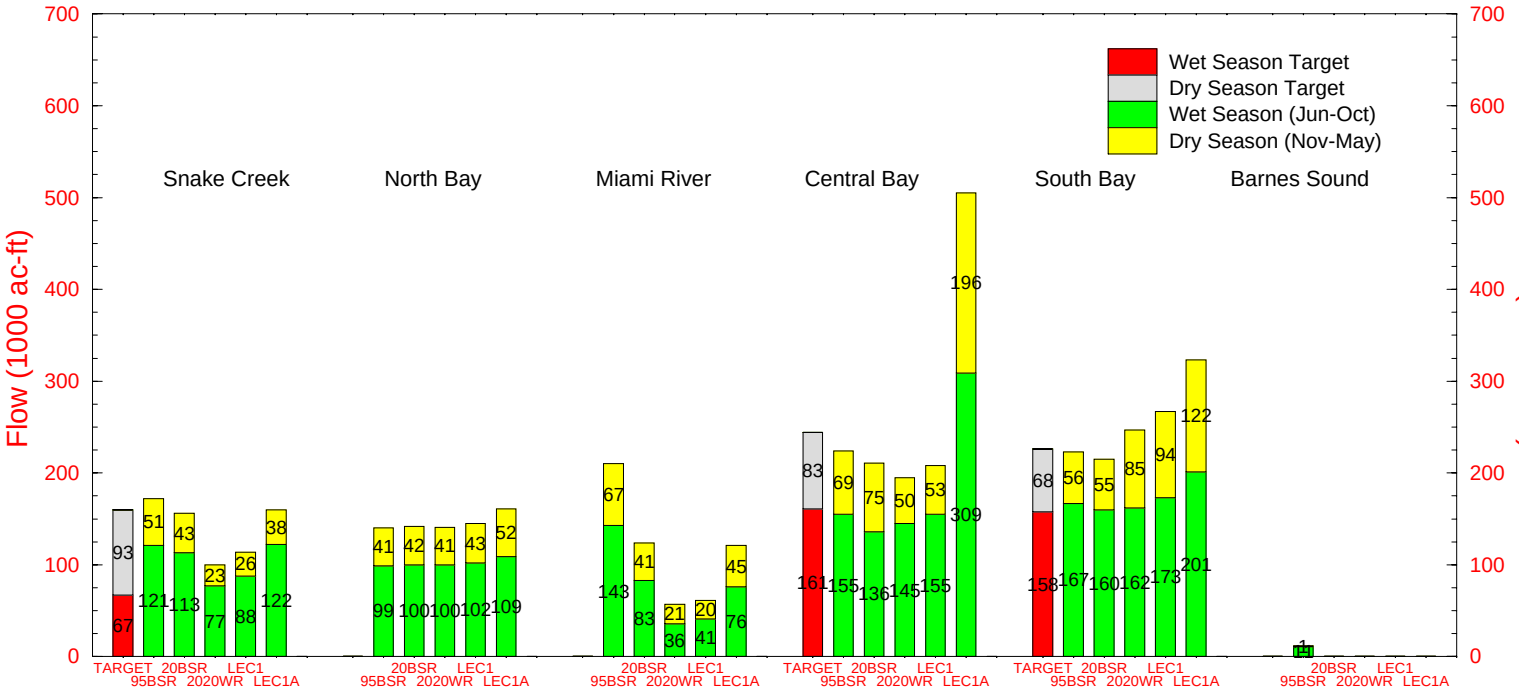
Indicator Region 9 (R13C16-17 R14C17-18 R15C18-18)



*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 01/28/00 21:43:55
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR9.GNP_36.fig

Simulated Mean Annual Surface Flows Discharged into Biscayne Bay for the 1965 - 1995 simulation period



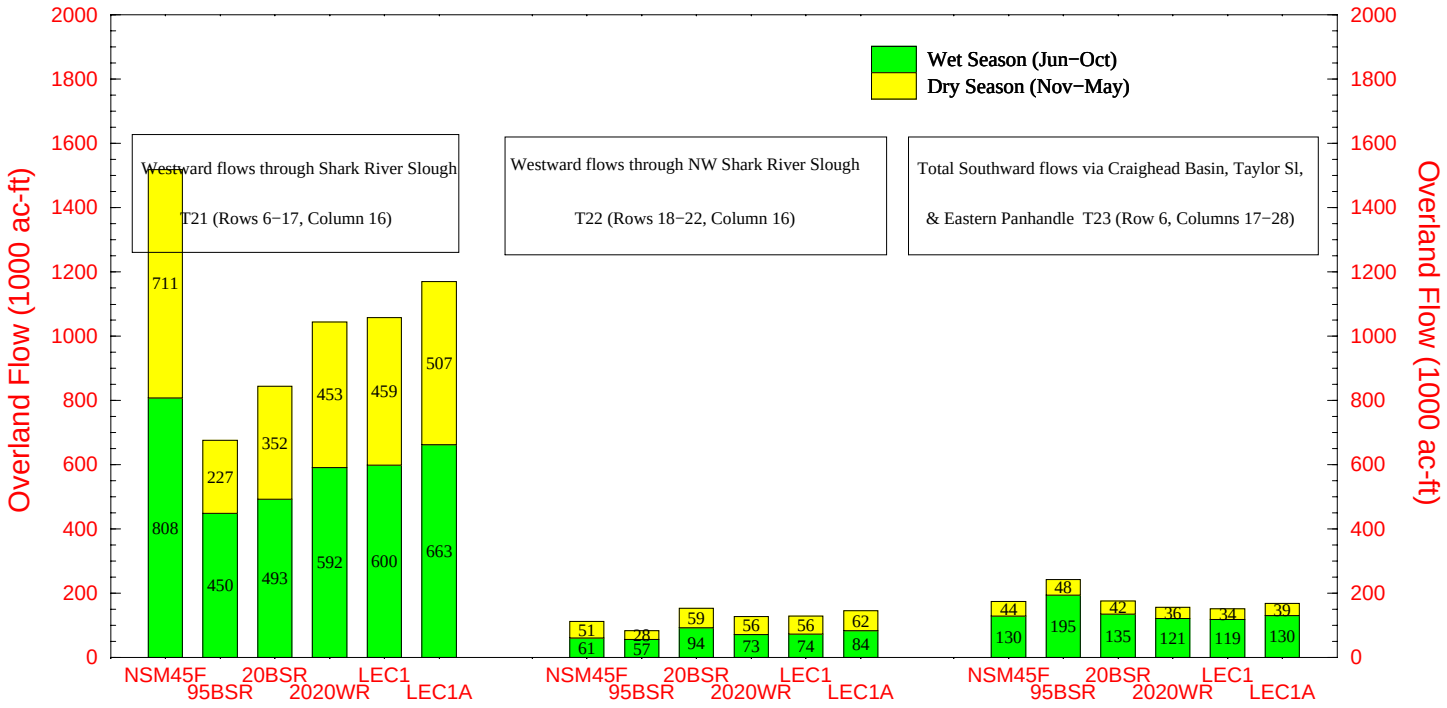
Note: Snake Creek=S29; North Bay=G58+S28+S27; Miami River=S26+S25B+S25; Central=G97+S22+S123; South=S21+S21A+S20F+S20G; Barnes Sound=S197

Targets for Central and South Bay reflect a 30% increase in mean annual dry season flows over the 95 Base
Targets for Snake Creek reflect a minimum monthly flow volume of 13,300 ac-ft (x 5 months for wet season
and x 7 months for dry season) to maintain salinity levels below 20 ppt.

Run date: 01/28/00 18:02:01
For Planning Purposes Only
SFWMM V3.7

Average Annual Overland Flows toward Whitewater Bay and Florida Bay

for the 31 year simulation period



Note: NSM flows are NOT targets and are shown for comparative purposes only.

Run date: 01/28/00 19:17:10
For Planning Purposes Only
SFWMM V3.7

Minimum Flow and Level Criteria for the Biscayne Aquifer

Failure to meet MFL stage criteria at control structures for 180 days or more

Canal/ Structure	MFL Stage (ft.)	Number of Times MFL Criteria Not Met 95BSR	20BSR	2020WR	LEC1	LEC1A
C-6@S-26	2.00	0	0	0	0	0
C-51@S-155	7.80	0	0	0	0	0
C-16@S-41	7.80	0	0	0	0	0
C-15@S-40	7.80	0	0	0	0	0
Hillsboro@G-56	6.75	0	0	0	0	0
C-13@S-36	4.00	0	0	0	0	0
C-14@S-37B	6.50	0	0	0	0	0
NNRiver@G-54	3.50	0	0	0	0	0
C-9@S-29	2.00	0	0	0	0	0
C-4@S-25B	2.20	0	0	0	0	0
C-2@S-22	2.20	0	0	0	0	0

Failure to meet MFL stage criteria at control structures for 90 days or more

Canal/ Structure	MFL Stage (ft.)	Number of Times MFL Criteria Not Met 95BSR	20BSR	2020WR	LEC1	LEC1A
C-6@S-26	2.00	0	0	0	0	0
C-51@S-155	7.80	0	0	0	0	0
C-16@S-41	7.80	0	0	0	0	0
C-15@S-40	7.80	0	0	0	0	0
Hillsboro@G-56	6.75	0	0	0	0	0
C-13@S-36	4.00	0	0	0	0	0
C-14@S-37B	6.50	0	0	0	0	0
NNRiver@G-54	3.50	0	0	0	0	0
C-9@S-29	2.00	4	4	0	0	0
C-4@S-25B	2.20	3	3	0	0	0
C-2@S-22	2.20	0	2	0	0	0

For Planning Purposes Only
Run date: 01/28/00 20:56:47
SFWMM V3.7
Script used: canal_mfl_lec.scr V1.2
canals_mfl_biscayne.report

NATURAL SYSTEMS PERFORMANCE MEASURES INCREMENTAL SIMULATIONS

Inundation Duration Summary for Indicator Regions

Indicator Region Number	Name	#Events NSM45F	Avg Flood Dur(Wks/Event) NSM45F	Avg Ann Hydper(Percent of Yr) NSM45F	#Events 95BSRR	Avg Flood Dur(Wks/Event) 95BSRR	Avg Ann Hydper(Percent of Yr) 95BSRR	#Events 2005R	Avg Flood Dur(Wks/Event) 2005R	Avg Ann Hydper(Percent of Yr) 2005R	#Events 2010R	Avg Flood Dur(Wks/Event) 2010R	Avg Ann Hydper(Percent of Yr) 2010R	#Events 2015R	Avg Flood Dur(Wks/Event) 2015R	Avg Ann Hydper(Percent of Yr) 2015R	#Events 2020R	Avg Flood Dur(Wks/Event) 2020R	Avg Ann Hydper(Percent of Yr) 2020R
1	Taylor Slough	37	33	76	39	30	74	38	30	71	37	31	71	38	30	71	37	31	71
2	West Perrine Marl Marsh	68	9	39	68	9	39	69	9	39	70	9	38	68	9	39	68	9	39
3	Mid-Perrine Marl Marsh	43	23	60	38	27	63	48	18	52	53	16	52	50	17	53	50	17	52
4	C-111 Perrine Marl Marsh	47	21	62	68	14	57	81	10	49	64	15	58	48	23	67	45	27	76
5	Model Lands South	55	19	64	63	15	58	63	15	58	64	16	63	61	18	67	37	37	84
6	Model Lands North	43	27	72	97	6	37	100	6	36	97	7	40	101	7	41	108	7	47
7	Ochopee Marl Marsh	35	32	70	37	26	60	34	32	67	40	26	64	42	25	66	34	34	72
8	Rockland Marl Marsh	37	28	65	53	9	29	35	27	58	43	19	51	41	21	53	38	23	55
9	SW Shark River Slough	9	176	98	22	65	88	20	71	89	16	91	91	15	99	92	15	103	96
10	Mid Shark River Slough	5	321	100	16	92	92	22	66	90	18	82	92	12	126	94	9	175	98
11	NE Shark River Slough	4	402	100	21	67	87	23	61	87	19	73	86	19	77	91	15	105	97
12	New Shark River Slough	32	42	82	29	45	82	40	31	76	30	42	78	37	34	77	23	62	89
13	West Slough	38	28	66	42	24	64	50	23	73	48	21	63	48	21	62	45	22	62
14	South WCA-3A	17	88	92	10	159	98	10	158	98	19	78	92	20	74	91	11	140	95
15	West WCA-3B	20	74	92	12	129	96	14	110	96	16	94	93	17	88	93	11	143	98
16	East WCA-3B	15	102	95	20	71	89	21	68	88	21	69	90	22	66	90	10	154	96
17	South Central WCA-3A	24	59	87	15	101	94	17	88	93	21	69	90	19	79	93	16	96	95
18	North Central WCA-3A	24	59	89	16	91	91	20	72	89	13	116	94	9	175	98	10	157	97
19	East WCA-3A	25	55	86	13	122	98	9	177	99	17	87	91	20	74	91	16	93	93
20	NW WCA-3A	21	70	91	31	42	80	25	52	81	22	64	87	19	77	91	23	62	88
21	NE WCA-3A	28	49	85	38	31	74	17	83	87	23	60	85	30	45	84	26	52	83
22	NW Corner WCA-3A	20	73	91	36	34	76	34	40	85	25	59	91	23	66	94	27	56	94
23	WCA-2B	21	70	92	19	71	84	25	48	74	22	57	78	17	77	82	19	71	83
24	South WCA-2A	20	74	91	17	85	90	23	60	86	17	84	89	14	105	91	13	112	91
25	North WCA-2A	30	46	86	18	77	86	16	92	92	15	95	89	19	78	92	18	83	93
26	South LNWR (WCA-1)	25	57	89	5	321	99	15	104	96	14	112	97	10	158	98	7	228	99
27	North LNWR (WCA-1)	15	99	92	12	130	96	21	71	92	15	101	94	12	128	95	12	129	96
28	Rotenberger WMA	40	31	76	52	18	59	33	36	74	43	30	79	43	30	79	42	30	79
29	Holey Land WMA	28	50	88	10	154	96	10	155	96	29	49	87	28	50	88	28	51	88
30	Corbett WMA	61	13	50	62	3	13	65	3	13	55	3	10	50	3	9	54	3	10
31	Mullet Slough	64	14	56	55	13	46	56	13	46	59	13	46	58	13	46	59	14	50
32	Upland Pine	56	15	51	57	15	52	57	15	52	57	15	52	57	15	52	57	15	52
33	Upper Mullet Slough	64	8	33	64	8	33	64	8	33	64	8	33	64	8	33	65	8	33
34	Cypress Marsh	36	35	78	42	12	31	42	12	31	42	12	31	42	12	31	42	12	31
35	Wet Prairie	31	43	82	42	19	50	42	19	50	42	19	50	42	19	50	42	19	50
36	Wetter Prairie NE	59	18	65	60	16	59	67	14	57	67	14	56	69	13	57	64	15	59
37	Wetter Prairie SW	58	17	63	69	13	56	72	12	54	71	12	54	72	12	54	68	14	58
38	Drier Cypress NW	67	10	40	67	9	38	68	9	38	67	9	38	69	9	38	68	9	39
39	Drier Cypress NE	62	14	55	64	12	48	64	12	47	65	12	48	65	12	48	66	12	50
40	Cypress	48	23	67	49	21	65	52	20	64	54	19	64	53	19	64	49	22	66
41	NW Big Cypress	54	16	53	59	12	46	59	12	46	59	12	46	59	12	46	59	12	46
42	NE Big Cypress	44	22	61	56	12	43	57	12	43	56	12	43	56	12	43	55	16	53
43	NE Corner Big Cypress	39	31	75	37	4	10	37	4	10	38	4	9	37	4	9	45	14	38
44	SW Big Cypress	62	14	54	60	14	54	60	14	54	60	14	54	60	14	54	60	14	54
45	Racoon Point	61	11	42	65	10	40	65	10	39	66	9	39	65	10	39	64	10	40
47	North C-111	48	20	60	86	5	27	57	3	12	50	8	26	62	9	33	55	10	34
48	North Bisc. Bay Groundwater 1	14	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	North Bisc. Bay Groundwater 2	49	15	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Central Bisc. Bay Groundwater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	South Bisc. Bay Groundwater	34	5	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Pennsuco Wetlands North	21	70	91	27	49	83	27	51	85	20	73	91	22	66	90	14	110	95
53	Pennsuco Wetlands South	9	176	98	28	47	81	24	56	84	26	54	87	25	56	87	17	88	93
46	Cape Sable Sparrow A	37	30	68	36	29	66	37	33	75	40	28	68	39	28	68	37	31	72
54	Cape Sable Sparrow B	69	9	40	68	9	39	67	10	40	66	10	40	66	10	40	65	10	40

55	Cape Sable Sparrow C	46	16	47	54	13	43	47	14	41	40	15	38	43	14	38	44	14	38
56	Cape Sable Sparrow D	45	22	61	44	24	64	54	16	52	52	16	52	54	16	53	55	15	52
57	Cape Sable Sparrow E	47	17	50	52	8	26	37	23	52	42	16	43	45	16	45	41	17	44
58	Cape Sable Sparrow F	36	30	67	29	3	5	36	24	53	45	17	49	43	19	50	44	18	50
59	Western WCA-3A Snail Kite	22	66	90	17	84	89	23	60	86	29	48	86	24	60	89	13	118	95
60	Southern WCA-3A Snail Kite	18	83	92	14	110	96	14	110	95	27	51	85	24	56	83	16	94	93
61	WCA-2B1	20	72	89	48	21	64	52	16	53	51	18	58	48	21	62	39	28	68
62	WCA-2B2	24	61	91	30	39	73	34	28	59	29	37	66	31	36	69	28	42	72
63	WCA-2B3	20	74	92	14	102	89	21	62	80	17	80	84	13	109	88	14	103	90
64	WCA-2B4	25	56	87	6	265	99	10	156	97	8	198	98	7	227	99	6	266	99
65	WCA-2B5	14	110	95	10	146	91	16	84	83	14	99	86	9	159	89	11	133	91
66	N WCA-3B	27	49	82	14	108	94	15	100	93	18	83	92	16	92	92	9	172	96
67	NE WCA-3B	22	62	85	35	30	65	45	19	54	23	62	89	23	61	87	22	62	84
68	S of NE WCA-3A	28	50	86	17	89	94	20	74	92	25	55	86	26	55	88	25	56	88
69	L-67A	20	69	86	7	229	100	3	537	100	18	84	94	18	83	92	14	109	95
70	Eastern edge of SRS	58	17	61	64	13	52	59	16	58	66	14	57	61	16	59	57	17	60

Notes: #events = number of continuous ponding events over the period of record
Avg Flood Duration = [sum(days of ponding)/7]/#events
Avg Annual Hydroperiod = 100 x [sum(weeks of ponding per year)]/[52 x #years]

High Water Summary for Indicator Regions

Indicator Region Number	Name	Depth(ft) Criterion	#Events NSM45F	Avg Duration (Wks/Event) NSM45F	Avg Ann Duration(Percent of Yr) NSM45F	#Events 95BSRR	Avg Duration (Wks/Event) 95BSRR	Avg Ann Duration(Percent of Yr) 95BSRR	#Events 2005R	Avg Duration (Wks/Event) 2005R	Avg Ann Duration(Percent of Yr) 2005R	#Events 2010R	Avg Duration (Wks/Event) 2010R	Avg Ann Duration(Percent of Yr) 2010R	#Events 2015R	Avg Duration (Wks/Event) 2015R	Avg Ann Duration(Percent of Yr) 2015R	#Events 2020R	Avg Duration (Wks/Event) 2020R	Avg Ann Duration(Percent of Yr) 2020R
1	Taylor Slough	> 1.5	10	2	1	3	2	0	1	1	0	5	2	1	5	2	1	5	2	1
2	West Perrine Marl Marsh	> 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Mid-Perrine Marl Marsh	> 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	C-111 Perrine Marl Marsh	> 2.0	0	0	0	0	0	0	0	0	0	9	5	3	12	5	4	11	3	2
5	Model Lands South	> 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Model Lands North	> 1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ochopee Marl Marsh	> 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Rockland Marl Marsh	> 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	SW Shark River Slough	> 2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Mid Shark River Slough	> 2.5	5	11	4	1	1	0	2	7	1	3	5	1	4	4	1	3	7	1
11	NE Shark River Slough	> 2.5	15	10	9	0	0	0	14	4	3	3	7	1	3	7	1	8	7	3
12	New Shark River Slough	Undefined																		
13	West Slough	Undefined																		
14	South WCA-3A	> 2.5	0	0	0	35	17	37	19	6	7	6	10	4	6	11	4	3	4	1
15	West WCA-3B	> 2.5	6	6	2	1	13	1	5	11	3	2	2	0	2	2	0	7	8	3
16	East WCA-3B	> 2.5	7	9	4	4	6	1	5	14	4	5	4	1	5	4	1	13	7	6
17	South Central WCA-3A	> 2.5	0	0	0	6	11	4	5	5	1	2	14	2	3	10	2	2	7	1
18	North Central WCA-3A	> 2.5	0	0	0	6	5	2	2	6	1	3	8	1	2	11	1	2	7	1
19	East WCA-3A	> 2.5	0	0	0	39	22	54	41	8	20	14	10	9	15	10	9	31	11	22
20	NW WCA-3A	> 2.5	0	0	0	1	1	0	0	0	0	3	2	0	2	1	0	0	0	0
21	NE WCA-3A	> 2.0	2	2	0	2	8	1	3	2	0	6	4	2	6	4	2	7	4	2
22	NW Corner WCA-3A	> 2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	WCA-2B	> 2.5	4	5	1	26	9	15	23	8	11	18	8	9	19	8	10	21	8	10
24	South WCA-2A	> 2.5	0	0	0	2	1	0	0	0	0	11	5	3	11	5	3	11	5	4
25	North WCA-2A	> 2.5	0	0	0	0	0	0	0	0	0	2	5	1	3	4	1	3	4	1
26	South LNWR (WCA-1)	> 2.5	0	0	0	36	13	30	31	14	27	33	15	31	33	16	32	32	16	32
27	North LNWR (WCA-1)	> 2.5	0	0	0	4	1	0	5	2	1	5	2	1	7	2	1	7	2	1
28	Rotenberger WMA	> 1.5	17	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Holey Land WMA	> 1.5	22	8	12	42	14	38	41	17	44	28	4	7	29	4	7	31	4	7
30	Corbett WMA	Undefined																		
31	Mullet Slough	Undefined																		
32	Upland Pine	Undefined																		
33	Upper Mullet Slough	Undefined																		
34	Cypress Marsh	Undefined																		
35	Wet Prairie	Undefined																		
36	Wetter Prairie NE	Undefined																		
37	Wetter Prairie SW	Undefined																		
38	Drier Cypress NW	Undefined																		
39	Drier Cypress NE	Undefined																		
40	Cypress	Undefined																		
41	NW Big Cypress	Undefined																		
42	NE Big Cypress	Undefined																		
43	NE Corner Big Cypress	Undefined																		
44	SW Big Cypress	Undefined																		
45	Racoon Point	Undefined																		
47	North C-111	> 1.8	0	0	0	0	0	0	0	0	0	3	3	1	5	3	1	7	1	1
48	North Bisc. Bay Groundwater 1	Undefined																		
49	North Bisc. Bay Groundwater 2	Undefined																		
50	Central Bisc. Bay Groundwater	Undefined																		
51	South Bisc. Bay Groundwater	Undefined																		
52	Pennsuco Wetlands North	> 2.0	16	8	8	5	1	0	4	3	1	4	1	0	3	1	0	8	3	2
53	Pennsuco Wetlands South	> 2.0	40	13	33	4	1	0	3	3	1	3	1	0	3	1	0	5	3	1
46	Cape Sable Sparrow A	Undefined																		
54	Cape Sable Sparrow B	Undefined																		

55	Cape Sable Sparrow C	Undefined																					
56	Cape Sable Sparrow D	Undefined																					
57	Cape Sable Sparrow E	Undefined																					
58	Cape Sable Sparrow F	Undefined																					
59	Western WCA-3A Snail Kite	Undefined																					
60	Southern WCA-3A Snail Kite	Undefined																					
61	WCA-2B1	> 2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	WCA-2B2	> 2.5	3	4	1	3	2	0	2	2	0	4	1	0	4	1	0	2	4	1
63	WCA-2B3	> 2.5	5	7	2	37	20	45	24	22	33	31	16	31	32	16	32	31	17	32
64	WCA-2B4	> 2.5	0	0	0	31	29	56	30	23	42	38	18	44	39	19	46	44	17	47
65	WCA-2B5	> 2.5	13	6	5	24	46	69	25	35	55	26	39	62	29	37	66	29	38	68
66	N WCA-3B	> 2.5	1	1	0	2	9	1	5	12	4	2	1	0	3	1	0	6	8	3
67	NE WCA-3B	> 2.5	0	0	0	3	10	2	5	13	4	4	1	0	3	1	0	6	10	4
68	S of NE WCA-3A	> 2.5	0	0	0	25	6	9	7	7	3	8	10	5	8	11	5	13	10	8
69	L-67A	> 1.5	13	8	6	15	93	87	18	75	83	38	22	51	35	22	48	28	37	64
70	Eastern edge of SRS	Undefined																					

Notes: #events = number of events with depths continuously greater than the criterion over the period of record
Avg Duration of High Water Events = [sum(days over criterion)/7]/#events
Avg Annual Duration of High Water(Percent) = 100 x [sum(weeks over criterion)]/[52 x #years]

Low Water Summary for Indicator Regions

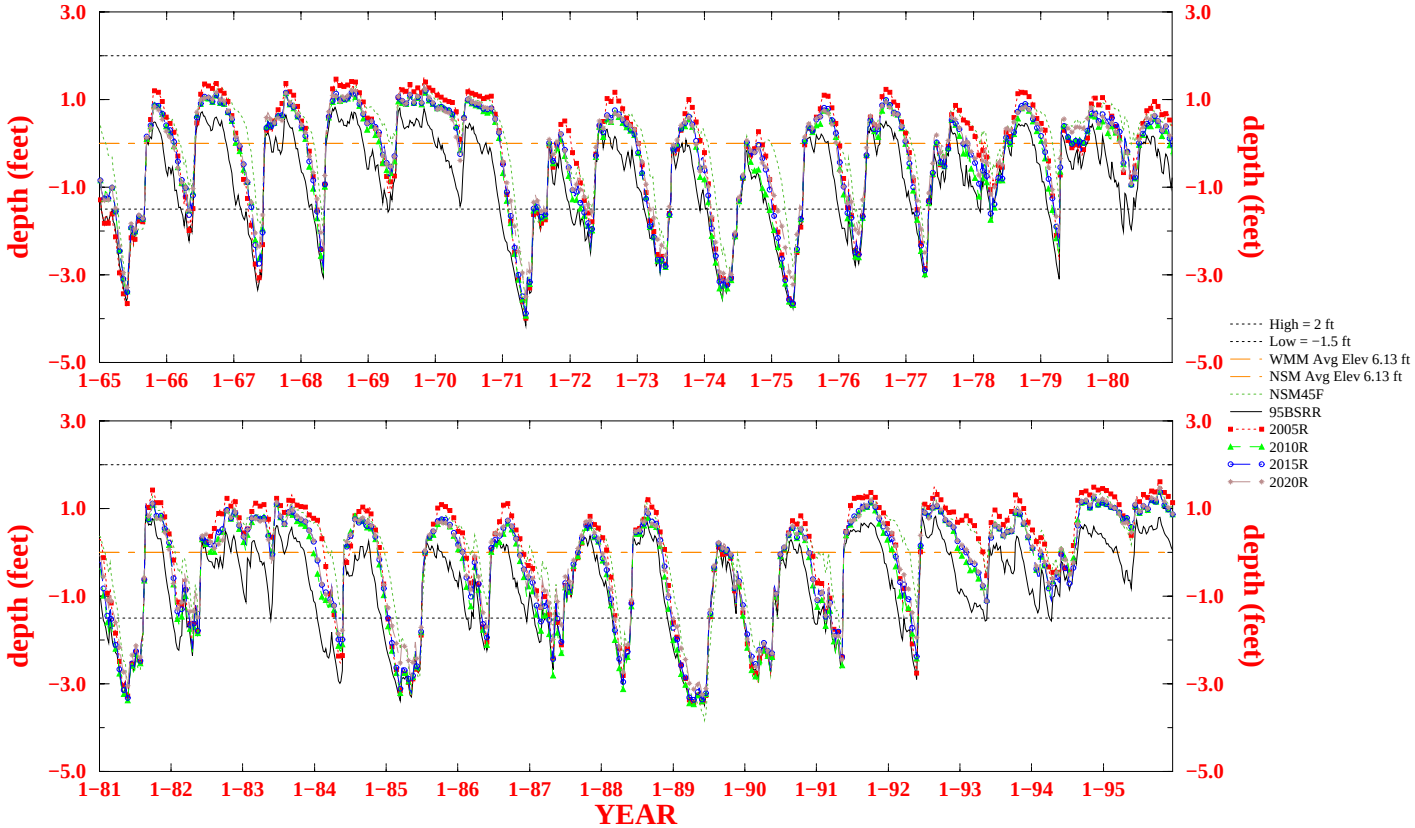
Indicator Region Number	Name	Depth(ft) Criterion	#Events NSM45F	Avg Duration (Wks/Event) NSM45F	Avg Ann Duration(Percent of Yr) NSM45F	#Events 95BSRR	Avg Duration (Wks/Event) 95BSRR	Avg Ann Duration(Percent of Yr) 95BSRR	#Events 2005R	Avg Duration (Wks/Event) 2005R	Avg Ann Duration(Percent of Yr) 2005R	#Events 2010R	Avg Duration (Wks/Event) 2010R	Avg Ann Duration(Percent of Yr) 2010R	#Events 2015R	Avg Duration (Wks/Event) 2015R	Avg Ann Duration(Percent of Yr) 2015R	#Events 2020R	Avg Duration (Wks/Event) 2020R	Avg Ann Duration(Percent of Yr) 2020R
1	Taylor Slough	< −1.5	20	4	5	21	5	6	27	4	7	28	4	7	27	4	7	28	4	7
2	West Perrine Marl Marsh	< −1.5	36	7	16	37	8	18	35	8	17	36	8	17	36	8	17	35	8	17
3	Mid−Perrine Marl Marsh	< −1.5	28	8	13	20	3	4	31	4	7	34	5	10	34	4	9	34	4	9
4	C−111 Perrine Marl Marsh	< 0.5	54	24	80	56	24	83	43	34	90	32	37	73	43	24	63	49	18	56
5	Model Lands South	< 0.5	56	23	81	51	28	87	43	33	87	43	34	91	47	31	90	82	13	68
6	Model Lands North	< 0.2	54	14	46	42	37	95	41	38	96	45	34	94	47	32	94	52	29	93
7	Ochopee Marl Marsh	< −1.5	17	8	9	22	9	12	22	7	9	23	7	10	21	8	10	20	6	8
8	Rockland Marl Marsh	< −1.5	21	10	13	42	11	30	26	13	20	32	11	21	30	10	19	28	10	17
9	SW Shark River Slough	< −1.0	1	5	0	17	4	5	16	4	4	11	5	3	12	4	3	6	2	1
10	Mid Shark River Slough	< −1.0	1	1	0	8	6	3	12	5	4	10	5	3	8	4	2	2	3	0
11	NE Shark River Slough	< −1.0	1	1	0	8	8	4	12	6	4	12	5	4	7	4	2	2	3	0
12	New Shark River Slough	< −1.0	17	7	8	18	7	8	20	8	10	18	8	9	20	7	9	12	5	4
13	West Slough	< −1.5	22	7	10	21	8	11	17	6	6	22	8	10	21	8	11	22	8	10
14	South WCA−3A	< −1.0	8	4	2	0	0	0	1	1	0	8	5	2	7	5	2	4	3	1
15	West WCA−3B	< −1.0	3	2	0	1	1	0	1	2	0	8	4	2	9	3	2	2	3	0
16	East WCA−3B	< −1.0	1	1	0	11	4	3	13	4	3	10	6	4	9	6	3	3	3	1
17	South Central WCA−3A	< −1.0	8	7	3	6	4	1	8	4	2	7	6	3	6	4	2	5	3	1
18	North Central WCA−3A	< −1.0	9	5	3	9	6	4	10	6	4	8	4	2	1	5	0	1	6	0
19	East WCA−3A	< −1.0	10	6	4	1	1	0	0	0	0	11	4	3	10	4	2	10	3	2
20	NW WCA−3A	< −1.0	6	6	2	18	7	8	18	7	8	9	7	4	4	7	2	8	6	3
21	NE WCA−3A	< −1.0	15	7	7	18	11	12	12	8	6	16	7	7	18	5	5	17	5	6
22	NW Corner WCA−3A	< −1.0	7	5	2	25	8	12	16	6	6	8	5	2	8	3	1	4	4	1
23	WCA−2B	< −1.0	5	5	1	18	6	7	21	9	12	20	7	9	14	8	7	12	8	6
24	South WCA−2A	< −1.0	6	8	3	13	5	4	16	5	5	8	9	4	10	6	4	11	6	4
25	North WCA−2A	< −1.0	8	8	4	13	7	6	8	6	3	12	6	4	6	6	2	6	6	2
26	South LNWR (WCA−1)	< −1.0	10	4	2	0	0	0	2	1	0	2	1	0	1	1	0	0	0	0
27	North LNWR (WCA−1)	< −1.0	8	4	2	2	3	0	4	3	1	1	6	0	1	4	0	1	1	0
28	Rotenberger WMA	< −1.0	18	8	9	33	9	19	24	7	10	18	3	4	18	3	4	17	3	4
29	Holey Land WMA	< −1.0	14	6	5	4	2	0	2	5	1	10	5	3	11	4	3	11	4	3
30	Corbett WMA	Undefined																		
31	Mullet Slough	Undefined																		
32	Upland Pine	< −7.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Upper Mullet Slough	Undefined																		
34	Cypress Marsh	< −6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Wet Prairie	< −6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Wetter Prairie NE	< −6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Wetter Prairie SW	< −6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Drier Cypress NW	< −5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Drier Cypress NE	< −5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Cypress	< −4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	NW Big Cypress	< −3.0	13	5	4	13	5	4	13	5	4	13	5	4	13	5	4	13	5	4
42	NE Big Cypress	< −3.0	6	5	2	10	6	4	10	6	4	9	7	4	9	7	4	9	5	3
43	NE Corner Big Cypress	< −3.0	0	0	0	21	6	7	21	6	7	21	5	7	21	5	6	23	6	8
44	SW Big Cypress	< −3.0	9	6	3	10	7	4	10	7	4	10	7	4	10	7	4	10	7	4
45	Racoon Point	Undefined																		
47	North C−111	< 0.0	47	14	41	85	14	75	58	25	89	49	25	75	60	18	68	54	20	67
48	North Bisc. Bay Groundwater 1	< −5.1	18	4	5	1	1612	100	1	1612	100	1	1612	100	1	1612	100	1	1612	100
49	North Bisc. Bay Groundwater 2	< −5.0	0	0	0	25	63	98	16	100	99	15	106	99	14	114	99	11	145	99
50	Central Bisc. Bay Groundwater	< −7.5	3	3	1	76	11	51	83	12	60	89	11	58	93	11	62	107	10	65
51	South Bisc. Bay Groundwater	< −3.0	30	9	17	80	12	61	79	12	61	83	11	59	82	12	59	66	13	55
52	Pennsuco Wetlands North	< −1.0	3	2	0	24	6	8	26	4	6	13	5	4	14	5	5	3	5	1
53	Pennsuco Wetlands South	< −1.0	1	1	0	23	7	11	24	6	9	16	7	6	16	7	7	10	3	2
46	Cape Sable Sparrow A	Undefined																		
54	Cape Sable Sparrow B	Undefined																		

55	Cape Sable Sparrow C	Undefined																				
56	Cape Sable Sparrow D	Undefined																				
57	Cape Sable Sparrow E	Undefined																				
58	Cape Sable Sparrow F	Undefined																				
59	Western WCA-3A Snail Kite	Undefined																				
60	Southern WCA-3A Snail Kite	Undefined																				
61	WCA-2B1	< -1.0	10	5	3	25	9	14	33	10	21	32	9	17	24	9	13	19	10	12		
62	WCA-2B2	< -1.0	6	4	2	18	11	12	29	11	19	27	9	16	25	8	12	25	7	11		
63	WCA-2B3	< -1.0	4	6	1	8	7	4	17	7	7	14	7	6	9	7	4	6	8	3		
64	WCA-2B4	< -1.0	16	4	4	3	4	1	4	4	1	3	4	1	3	3	1	1	5	0		
65	WCA-2B5	< -1.0	4	6	2	16	8	7	24	9	14	19	8	10	14	10	8	12	8	6		
66	N WCA-3B	< -1.0	21	5	6	9	2	1	6	2	1	8	6	3	8	7	3	4	3	1		
67	NE WCA-3B	< -1.0	15	5	5	31	8	16	44	10	27	10	6	4	16	5	5	14	5	4		
68	S of NE WCA-3A	< -1.0	13	5	4	8	4	2	9	5	3	13	6	5	10	5	3	11	6	4		
69	L-67A	Undefined																				
70	Eastern edge of SRS	Undefined																				

Notes: #events = number of events with depths continuously less than the criterion over the period of record
Avg Duration of Low Water Events = [sum(days below criterion)/7]/#events
Avg Annual Duration of Low Water(Percent) = 100 x [sum(weeks below criterion)]/[52 x #years]

Normalized Weekly Stage Hydrograph for Rockland Marl Marsh

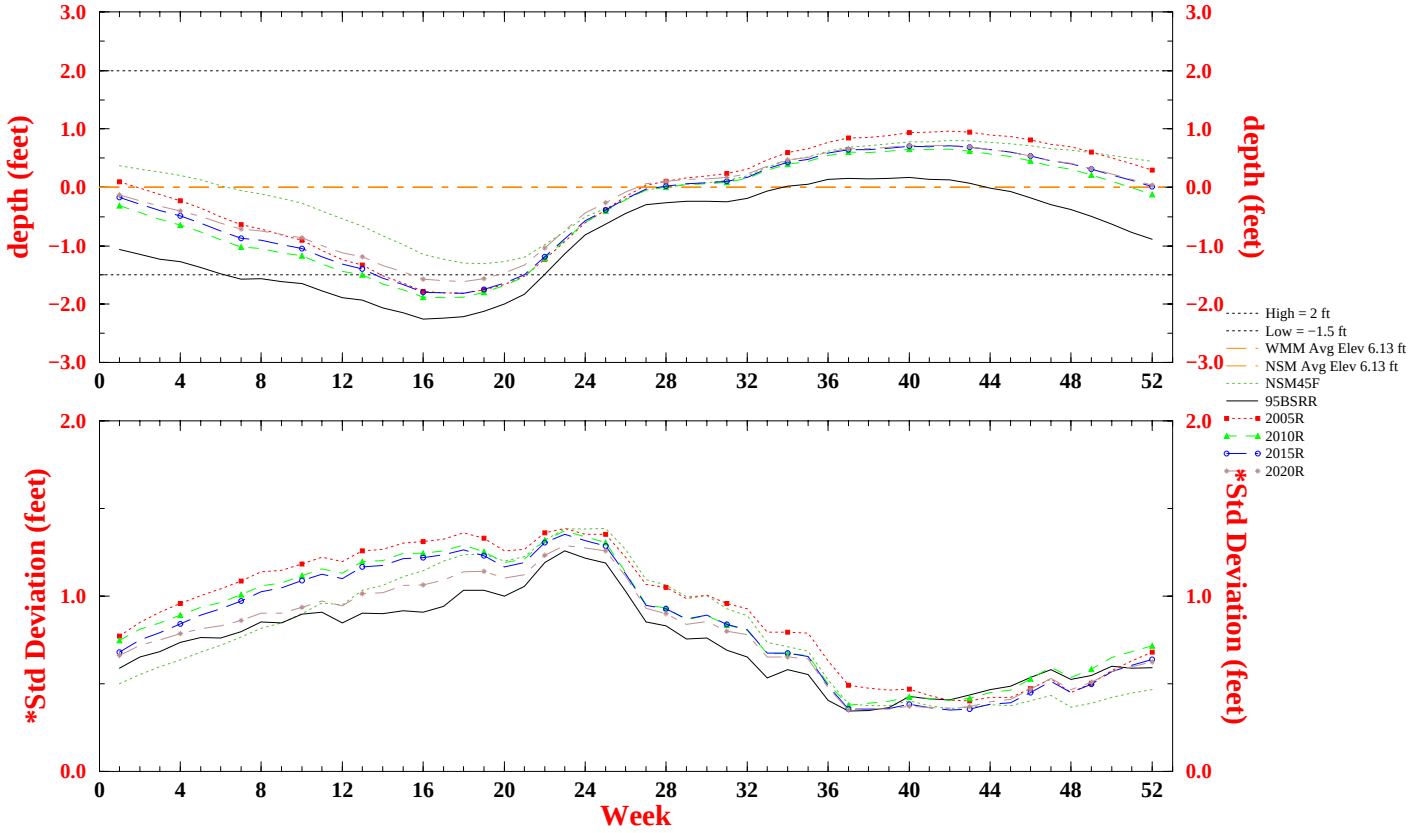
icator Region 8 (R12C21-22 R13C20-23 R14C21-23 R15C21-23 R16C22-23 R17C23-24 R18C24-25 R19C25-25)



Run date: Tue Mar 14 07:01:52 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for Rockland Marl Marsh

icator Region 8 (R12C21-22 R13C20-23 R14C21-23 R15C21-23 R16C22-23 R17C23-24 R18C24-25 R19C25-25)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

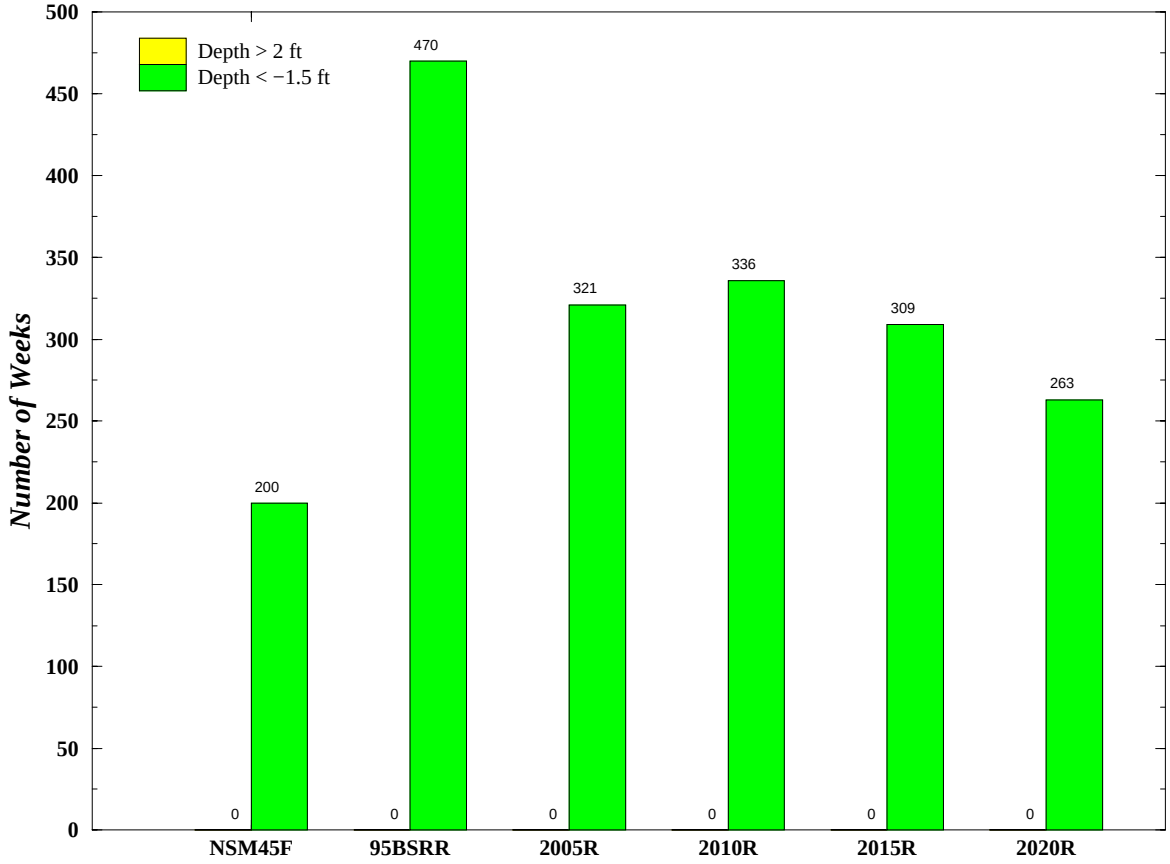
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:01:52 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 8 (R12C21-22 R13C20-23 R14C21-23 R15C21-23 R16C22-23 R17C23-24 R18C24-25 R19C25- 2

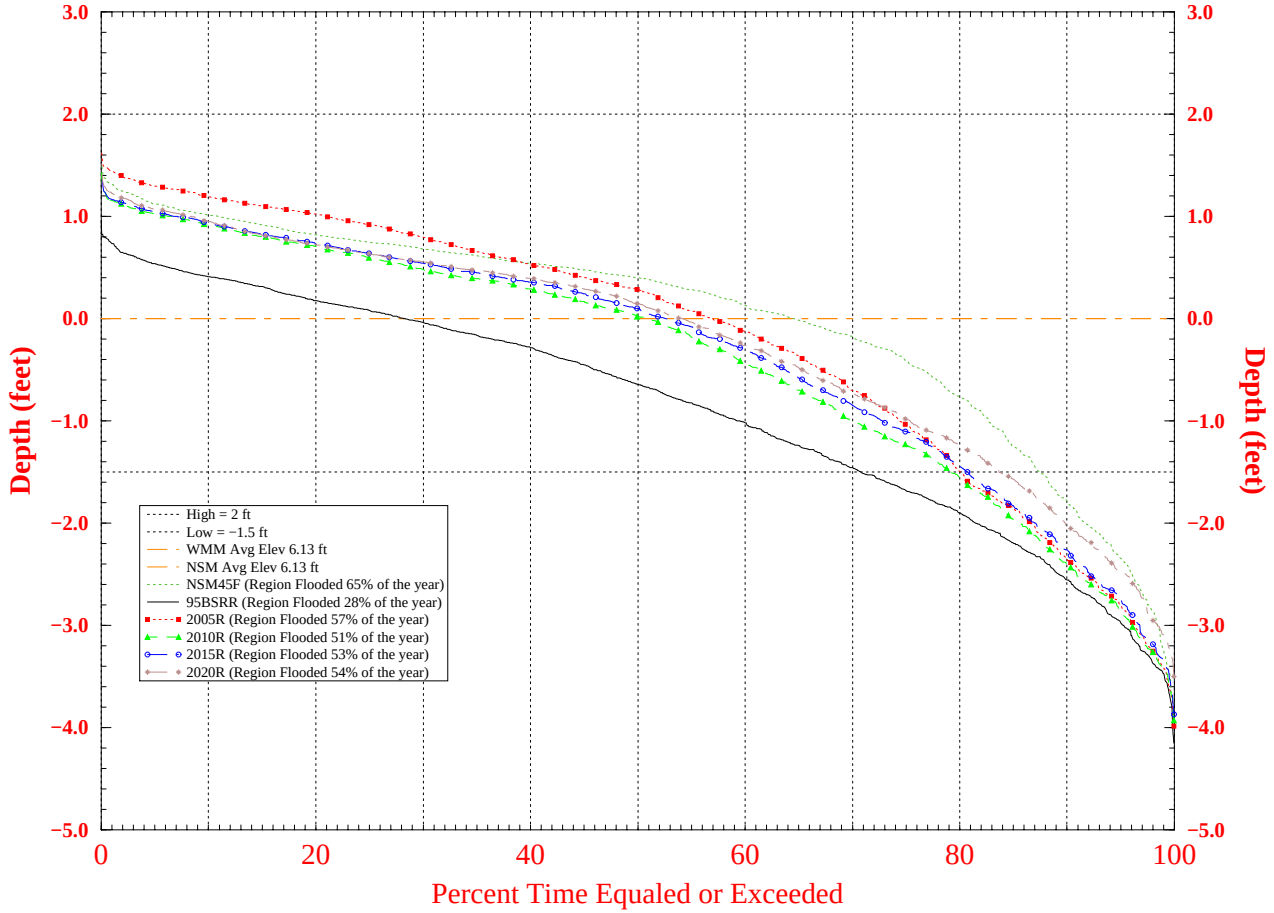


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:01:52 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for Rockland Marl Marsh

Indicator Region 8 (R12C21-22 R13C20-23 R14C21-23 R15C21-23 R16C22-23 R17C23-24 R18C24-25 R19C25- 2

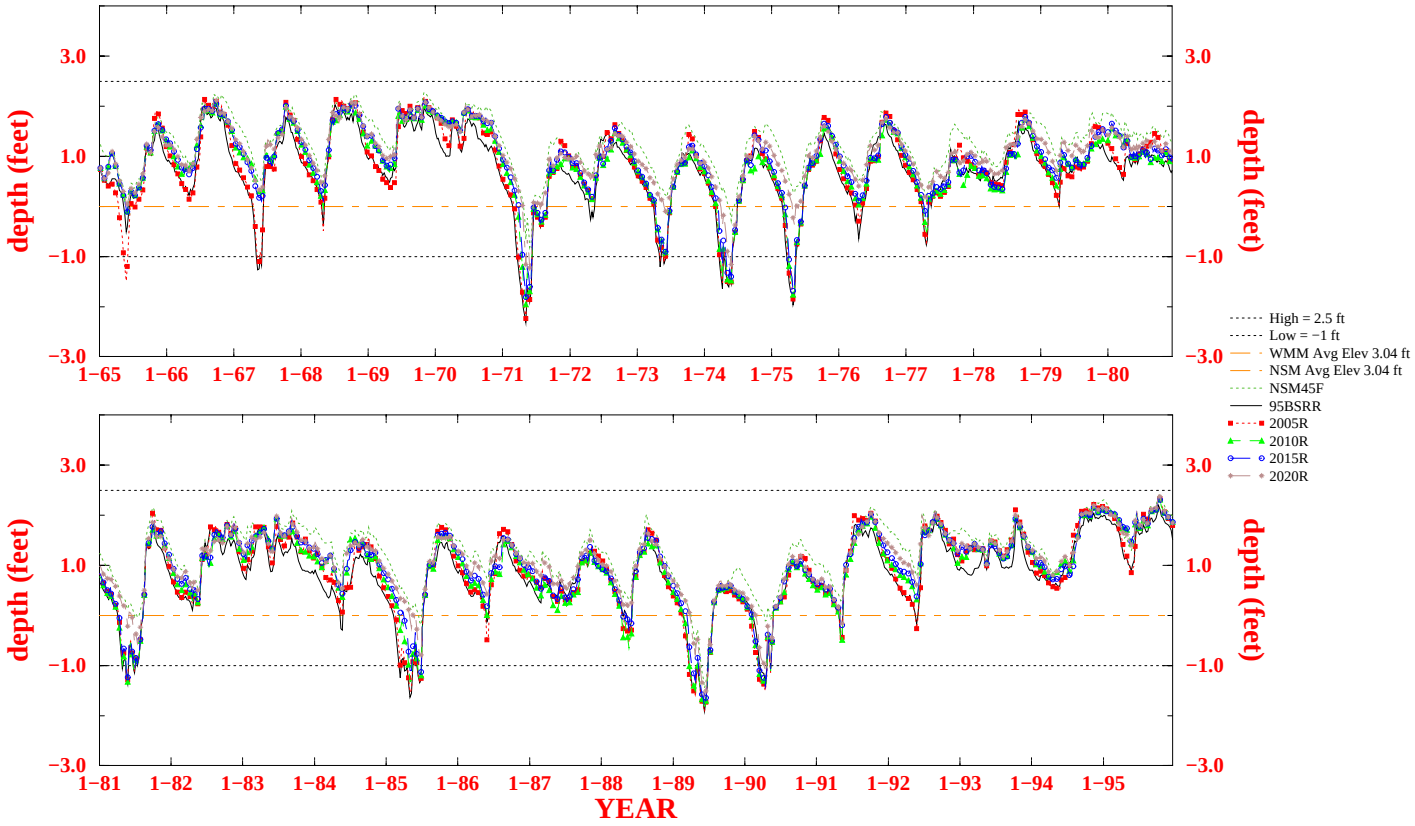


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:01:52 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for SW Shark River Slough

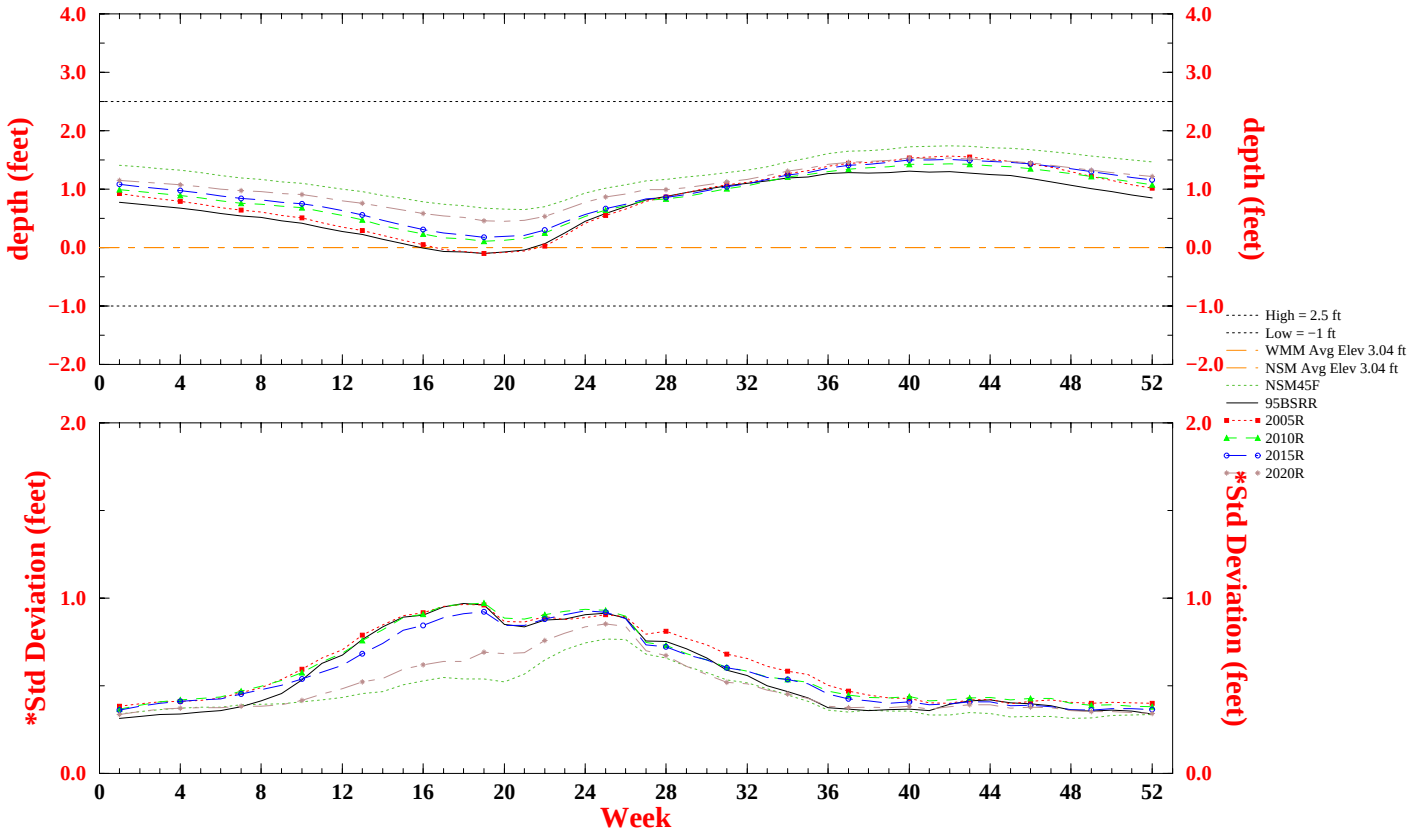
Indicator Region 9 (R13C16-17 R14C17-18 R15C18-18)



Run date: Tue Mar 14 07:01:58 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for SW Shark River Slough

Indicator Region 9 (R13C16-17 R14C17-18 R15C18-18)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

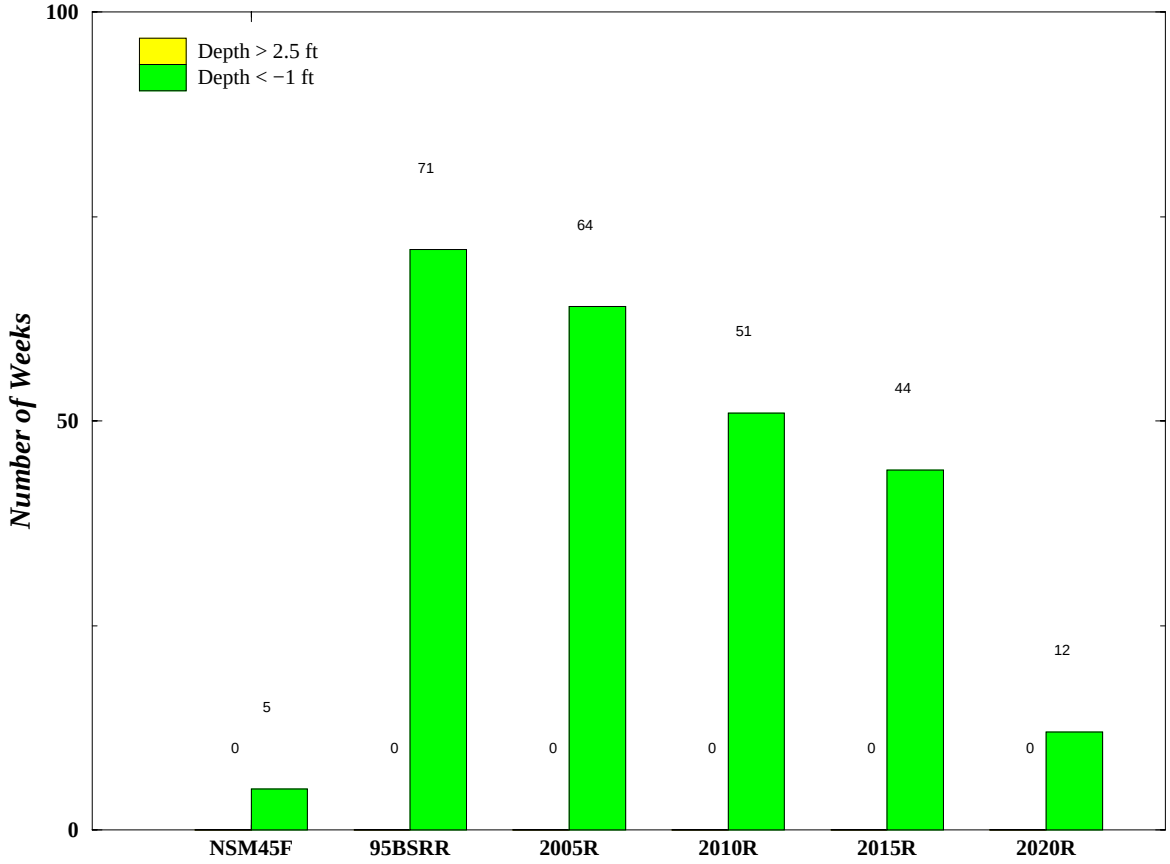
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:01:58 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 9 (R13C16-17 R14C17-18 R15C18-18)

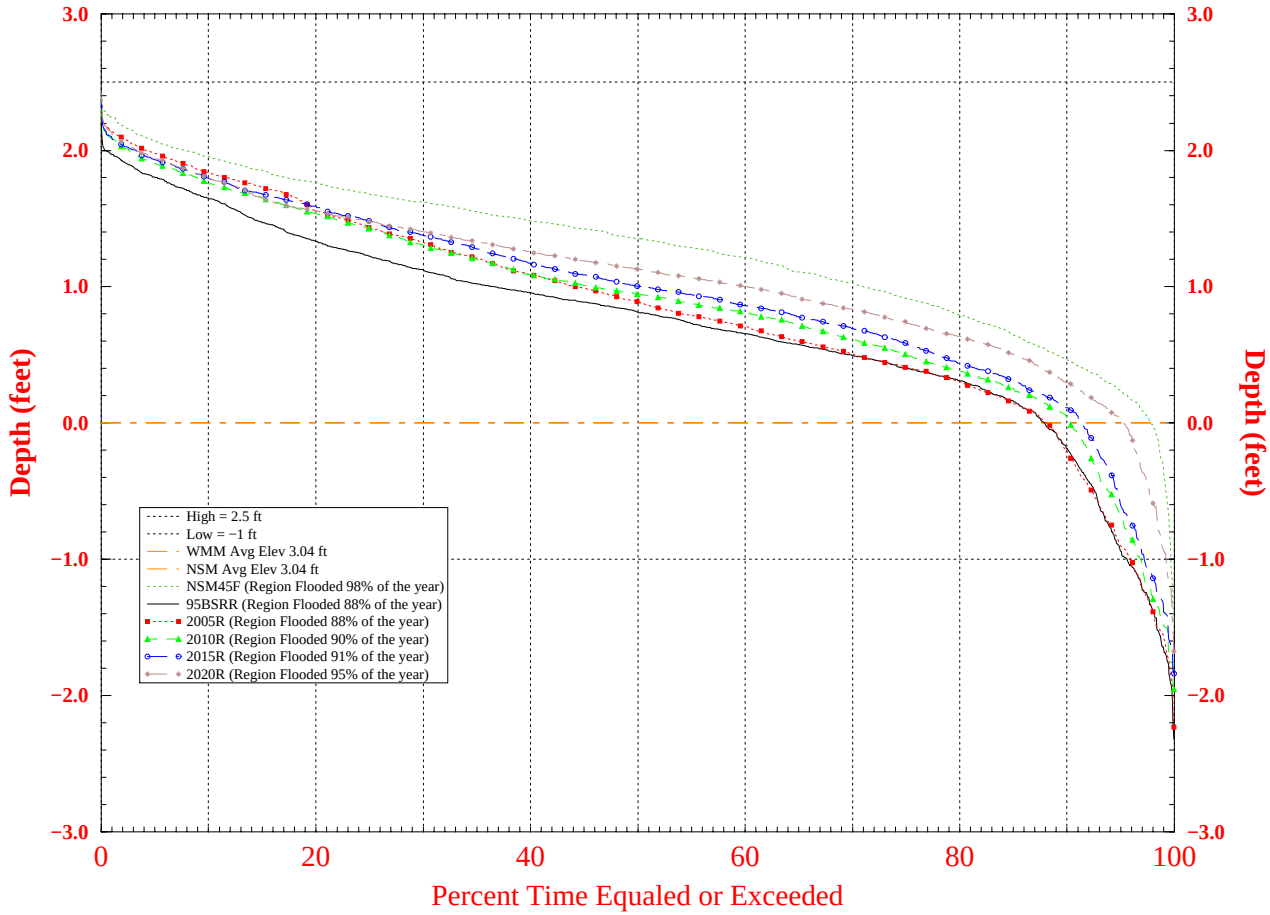


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:01:58 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for SW Shark River Slough

Indicator Region 9 (R13C16-17 R14C17-18 R15C18-18)

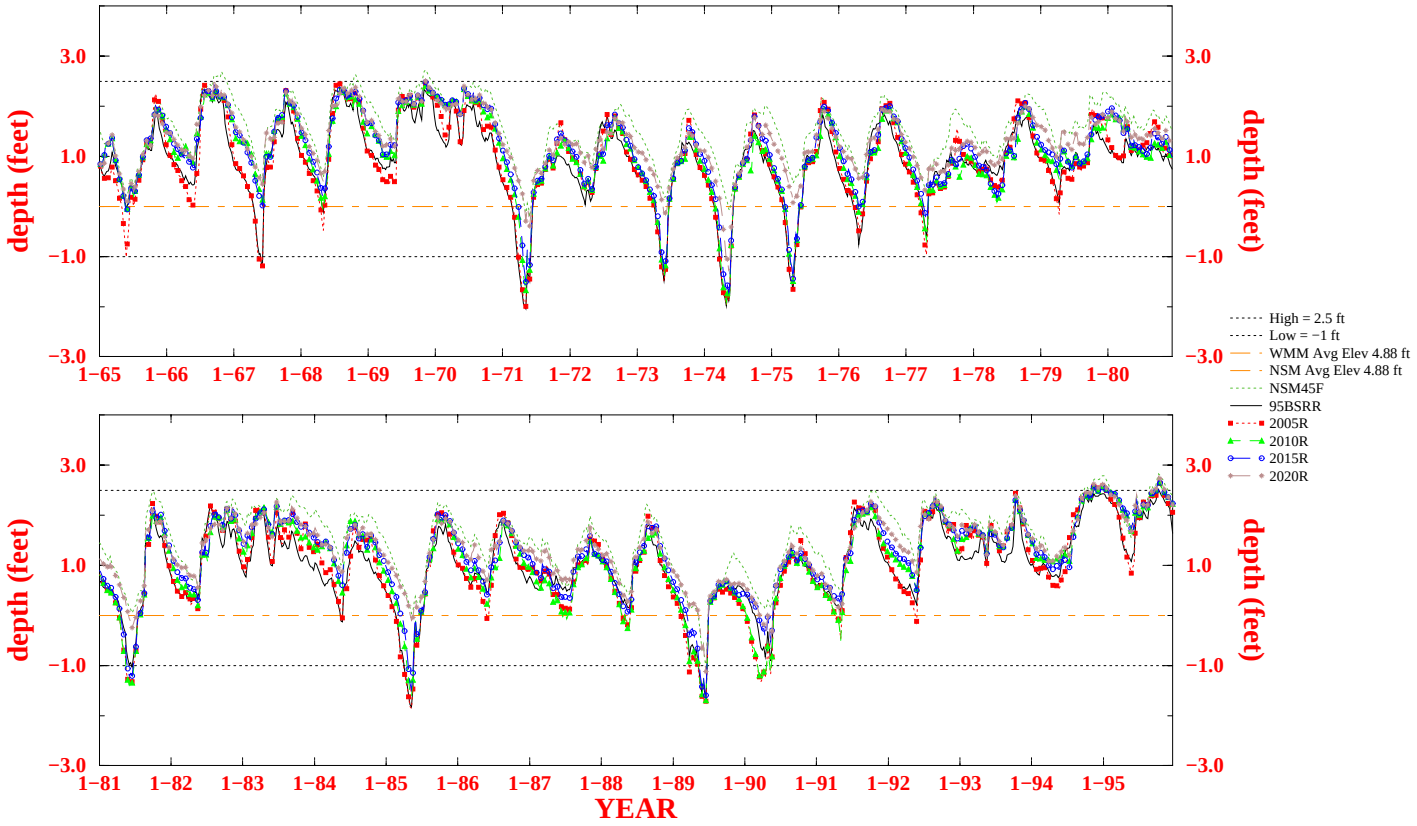


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:01:58 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for Mid Shark River Slough

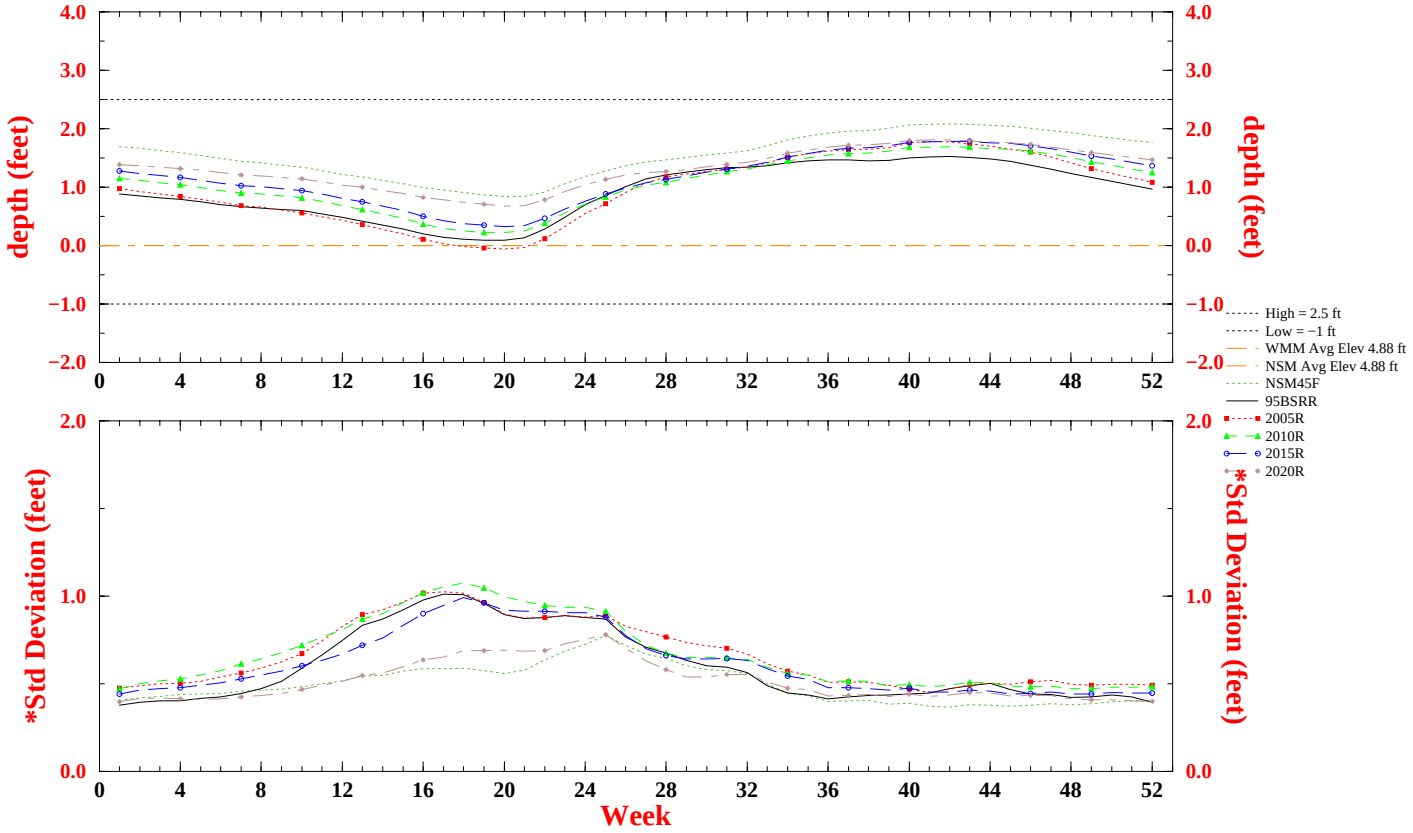
Indicator Region 10 (R16C18-19 R17C18-20 R18C19-20 R19C20-20)



Run date: Tue Mar 14 07:02:04 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for Mid Shark River Slough

Indicator Region 10 (R16C18-19 R17C18-20 R18C19-20 R19C20-20)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

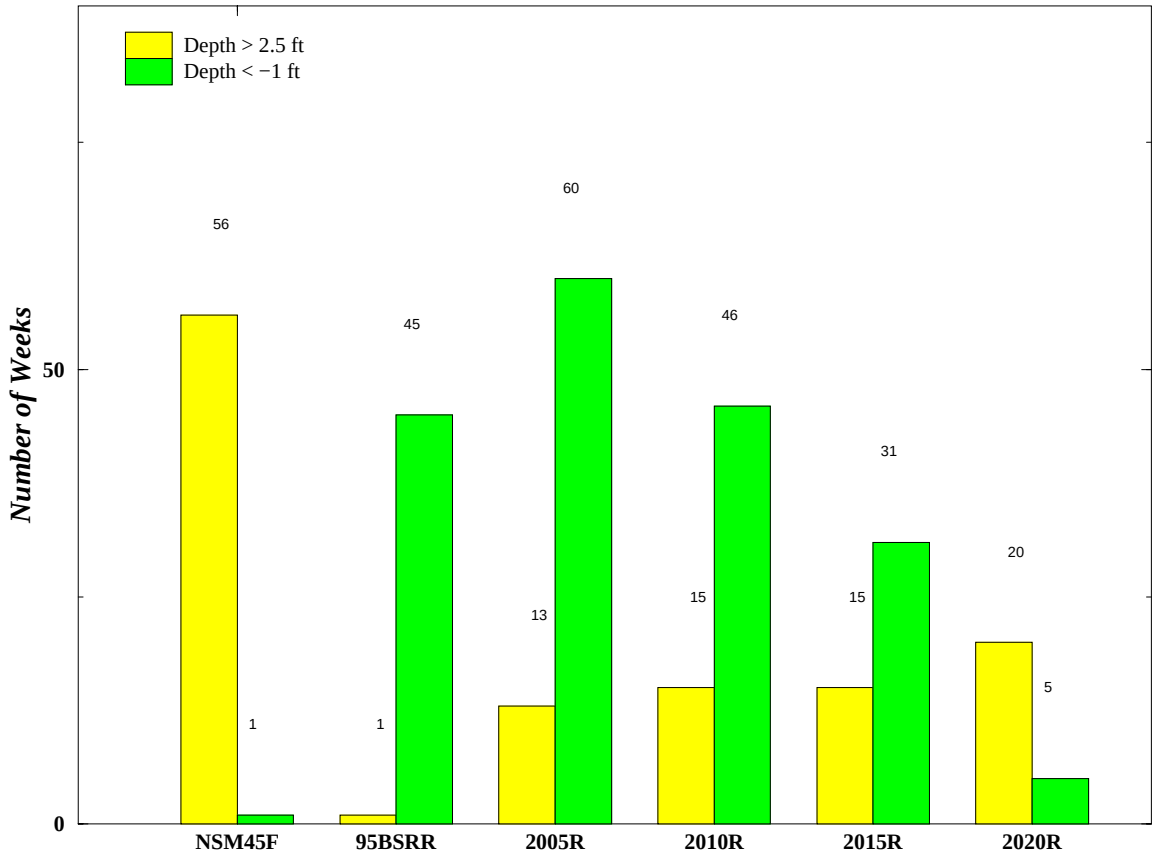
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:02:04 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 10 (R16C18-19 R17C18-20 R18C19-20 R19C20-20)

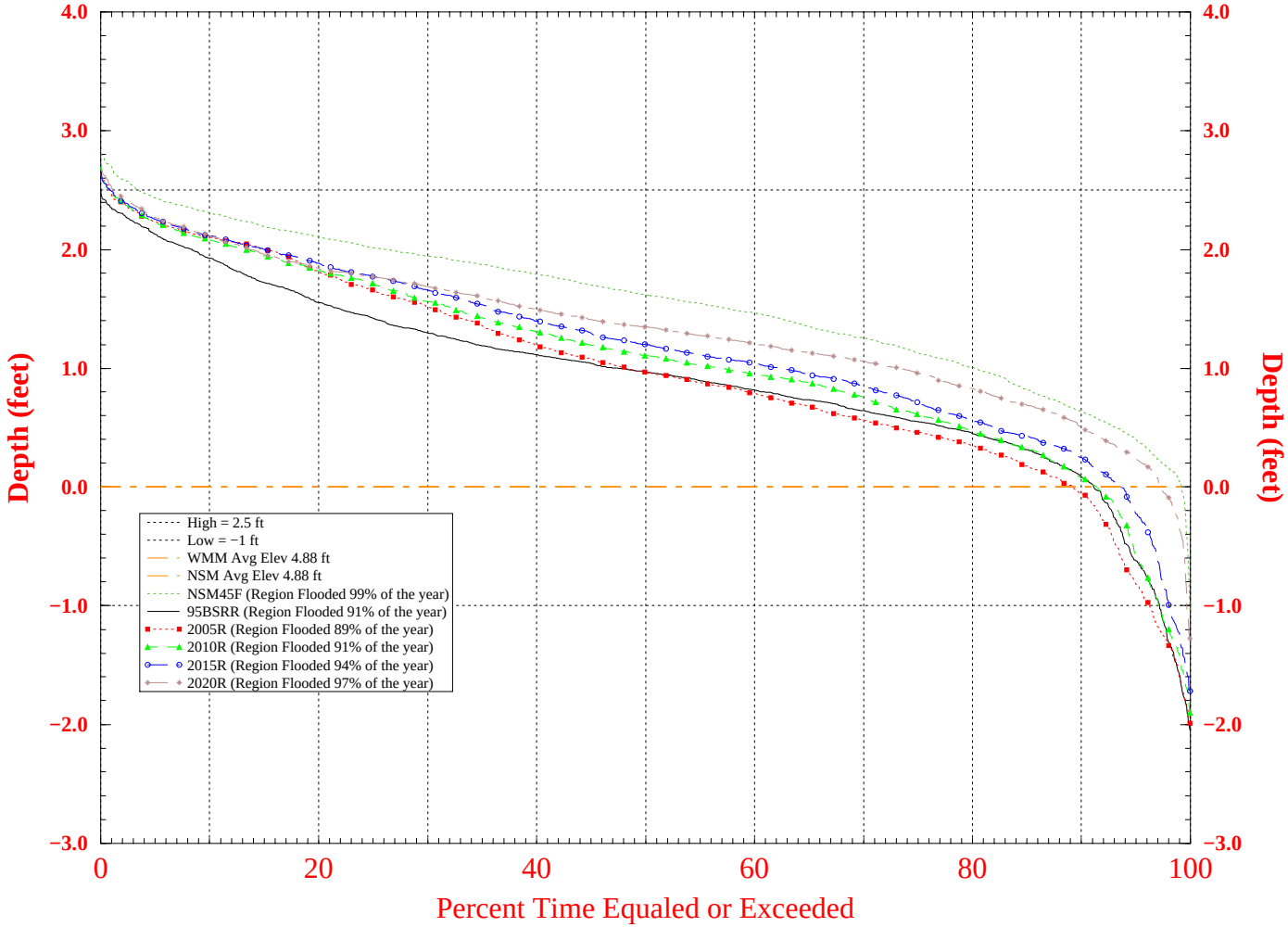


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:02:04 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for Mid Shark River Slough

Indicator Region 10 (R16C18-19 R17C18-20 R18C19-20 R19C20-20)

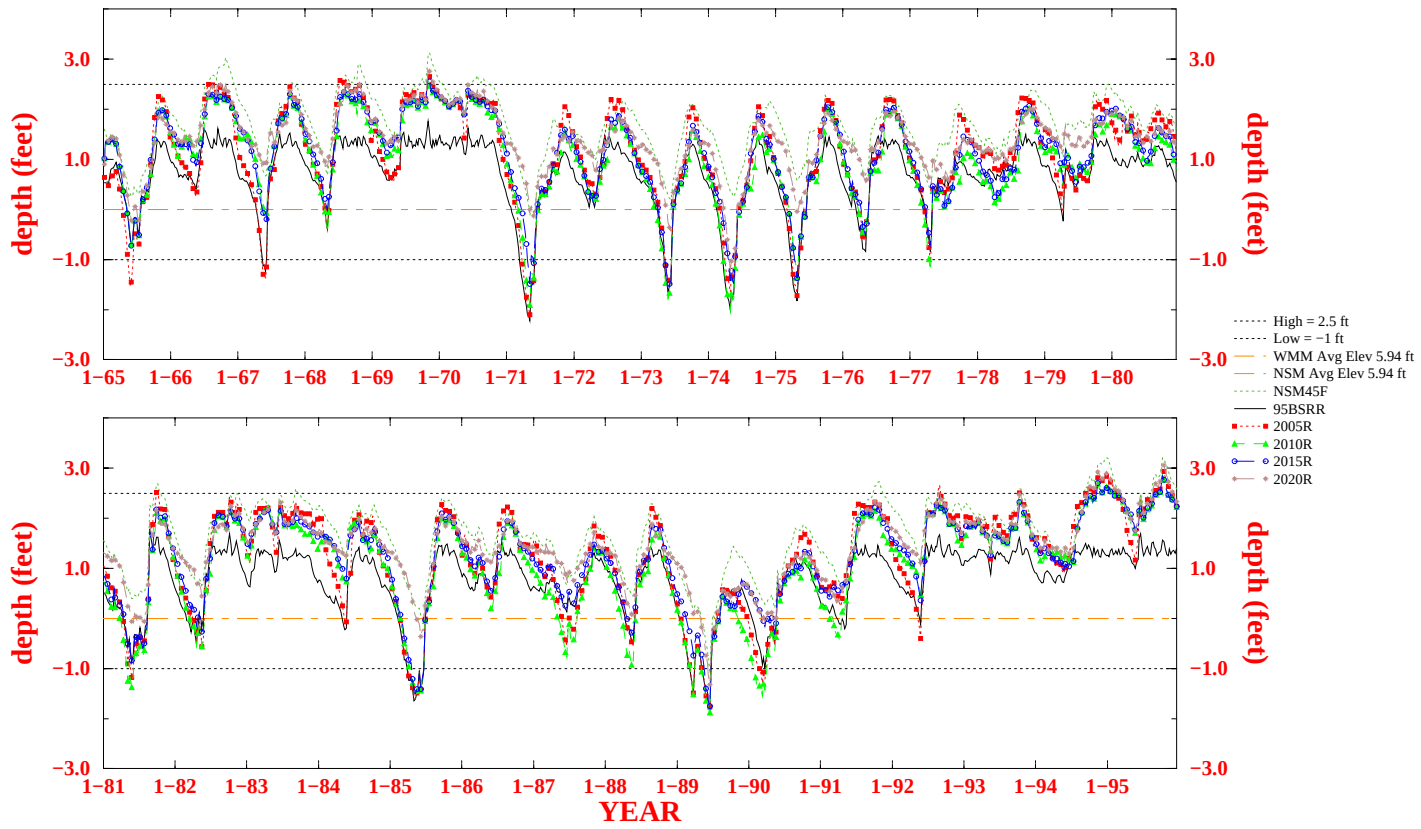


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding

Run date: Tue Mar 14 07:02:04 EST 2000

Normalized Weekly Stage Hydrograph for NE Shark River Slough

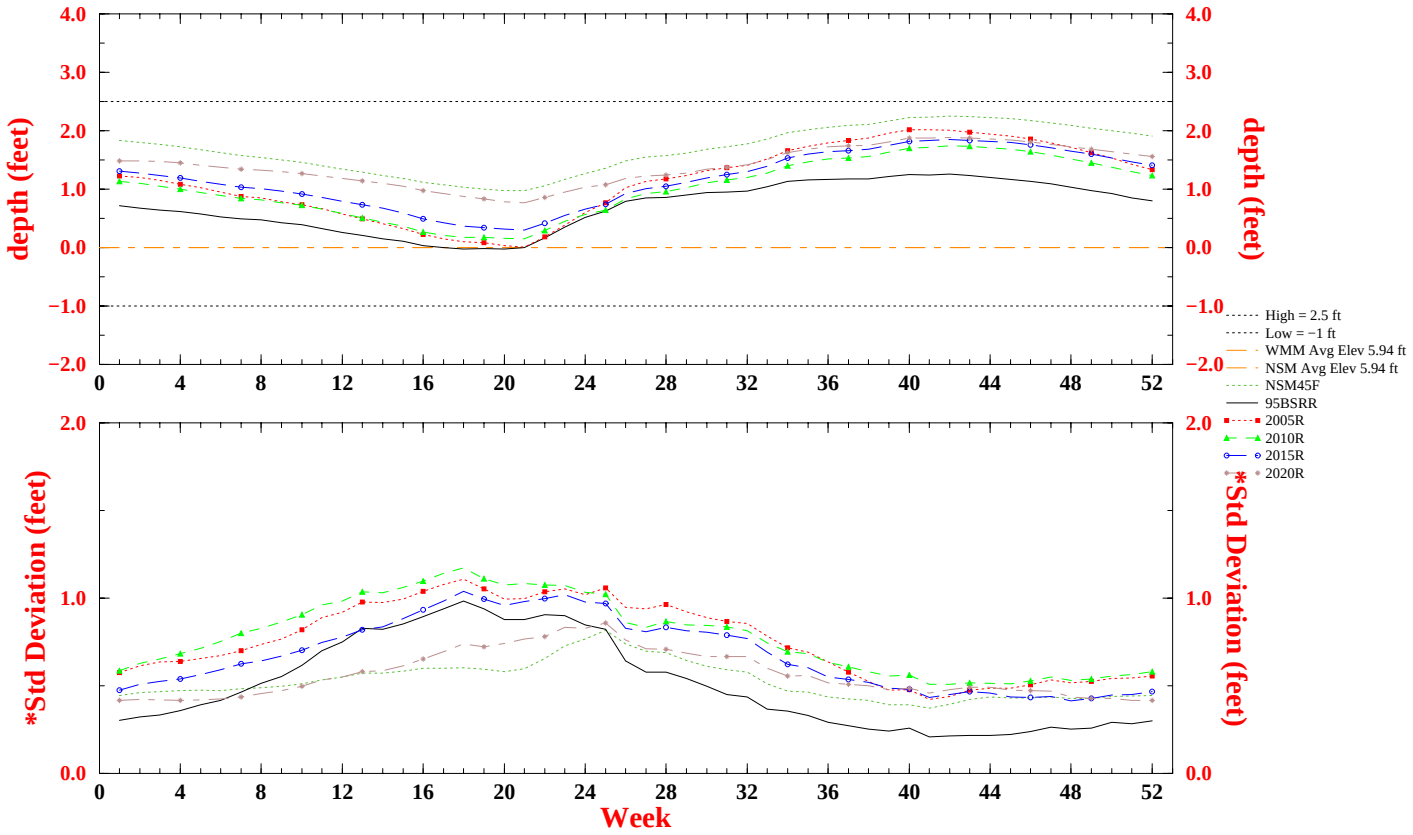
Indicator Region 11 (R19C22-23 R20C22-26 R21C22-26)



Run date: Tue Mar 14 07:02:12 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for NE Shark River Slough

Indicator Region 11 (R19C22-23 R20C22-26 R21C22-26)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

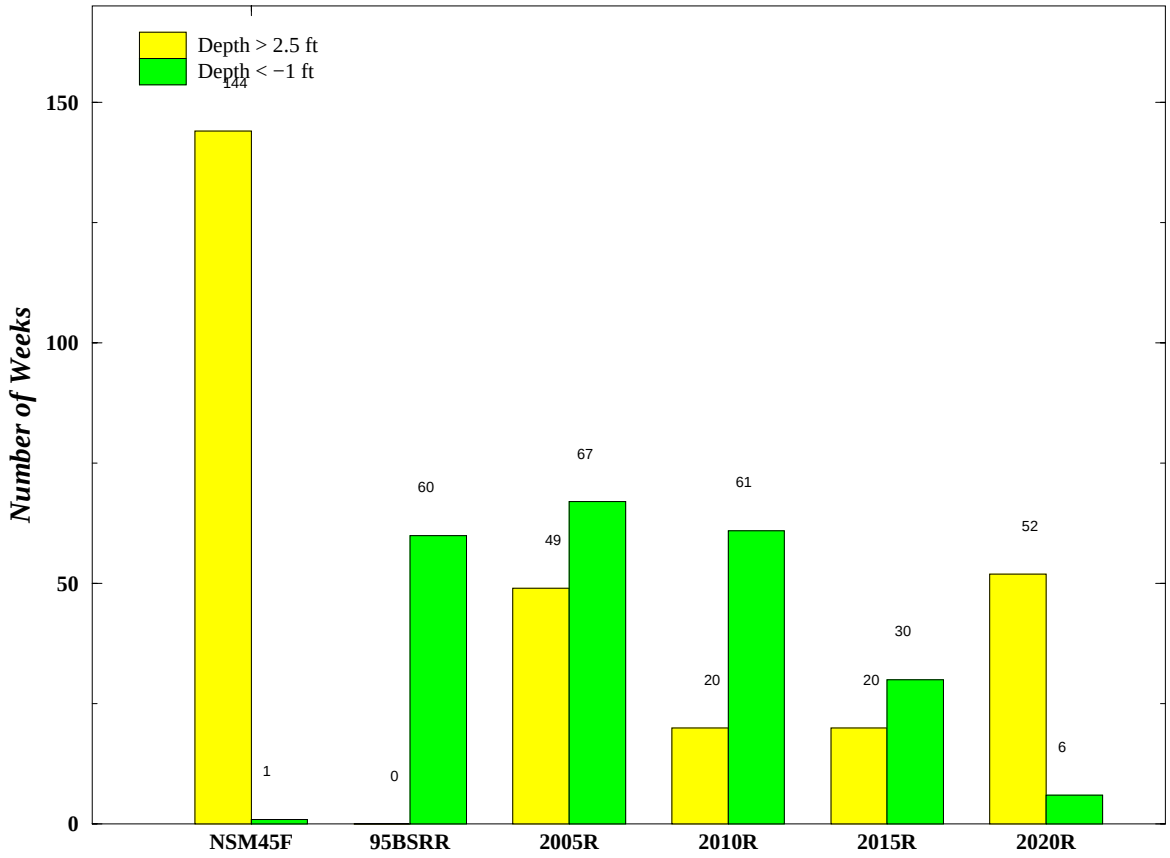
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:02:12 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 11 (R19C22-23 R20C22-26 R21C22-26)

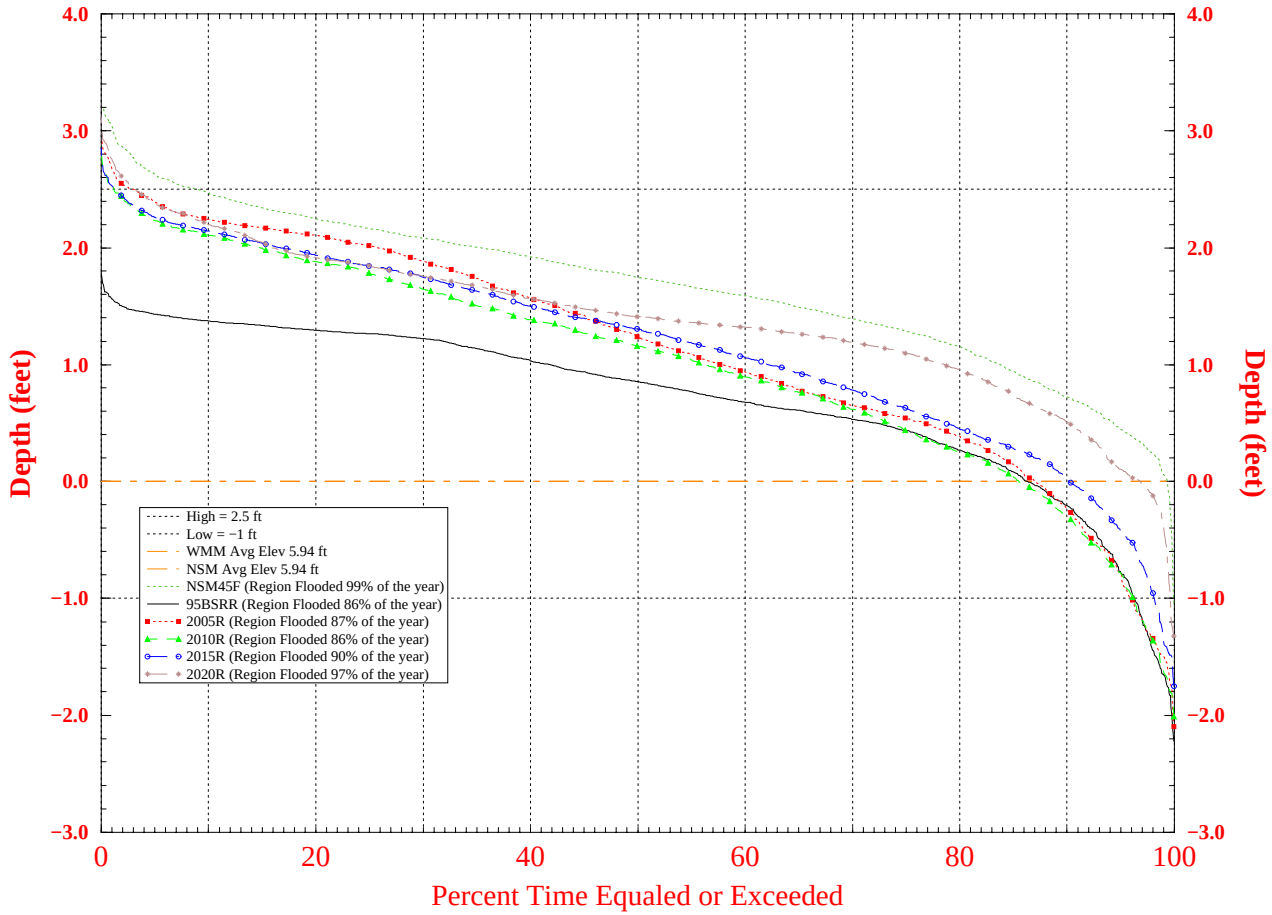


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:02:12 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for NE Shark River Slough

Indicator Region 11 (R19C22-23 R20C22-26 R21C22-26)

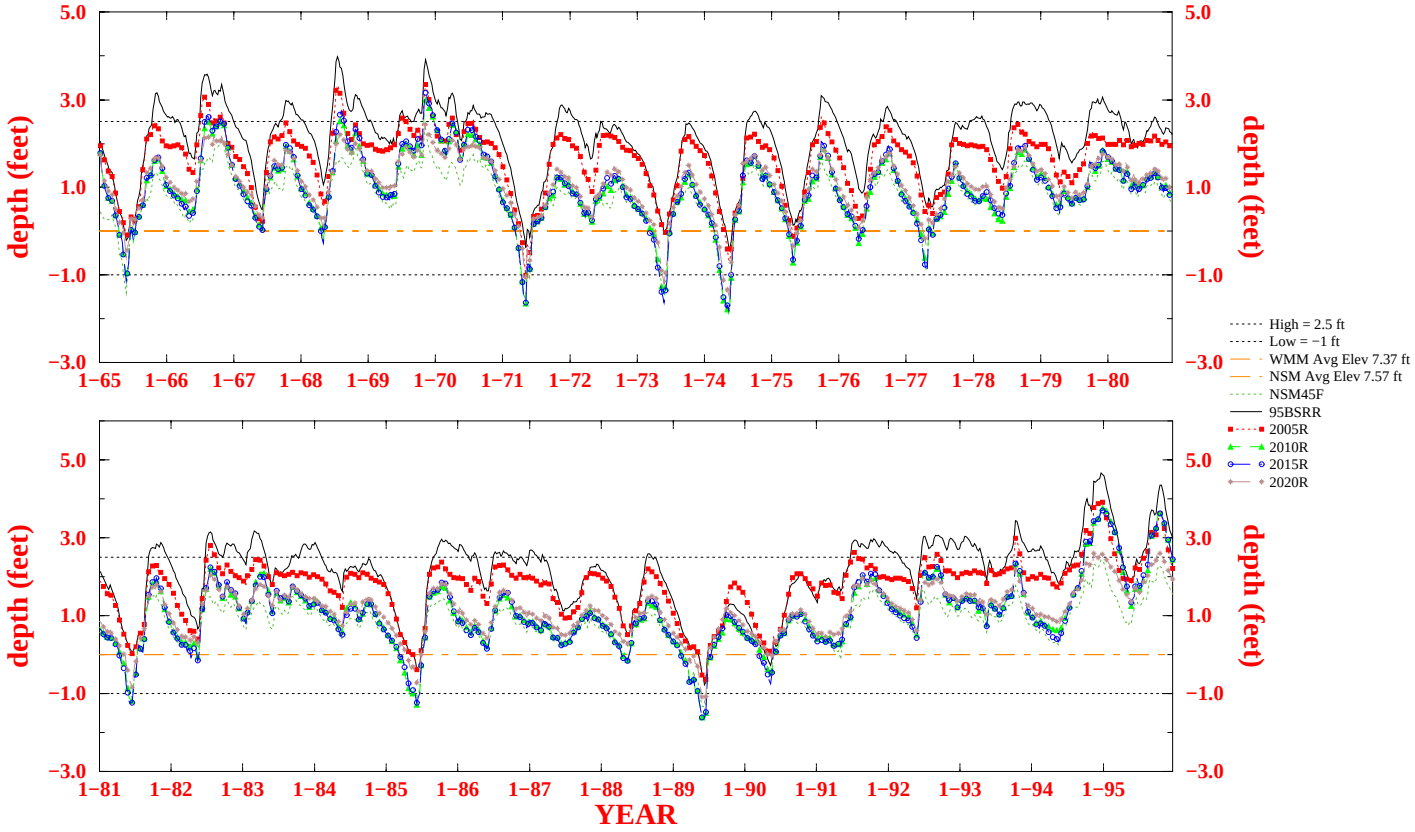


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:02:12 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for South WCA-3A

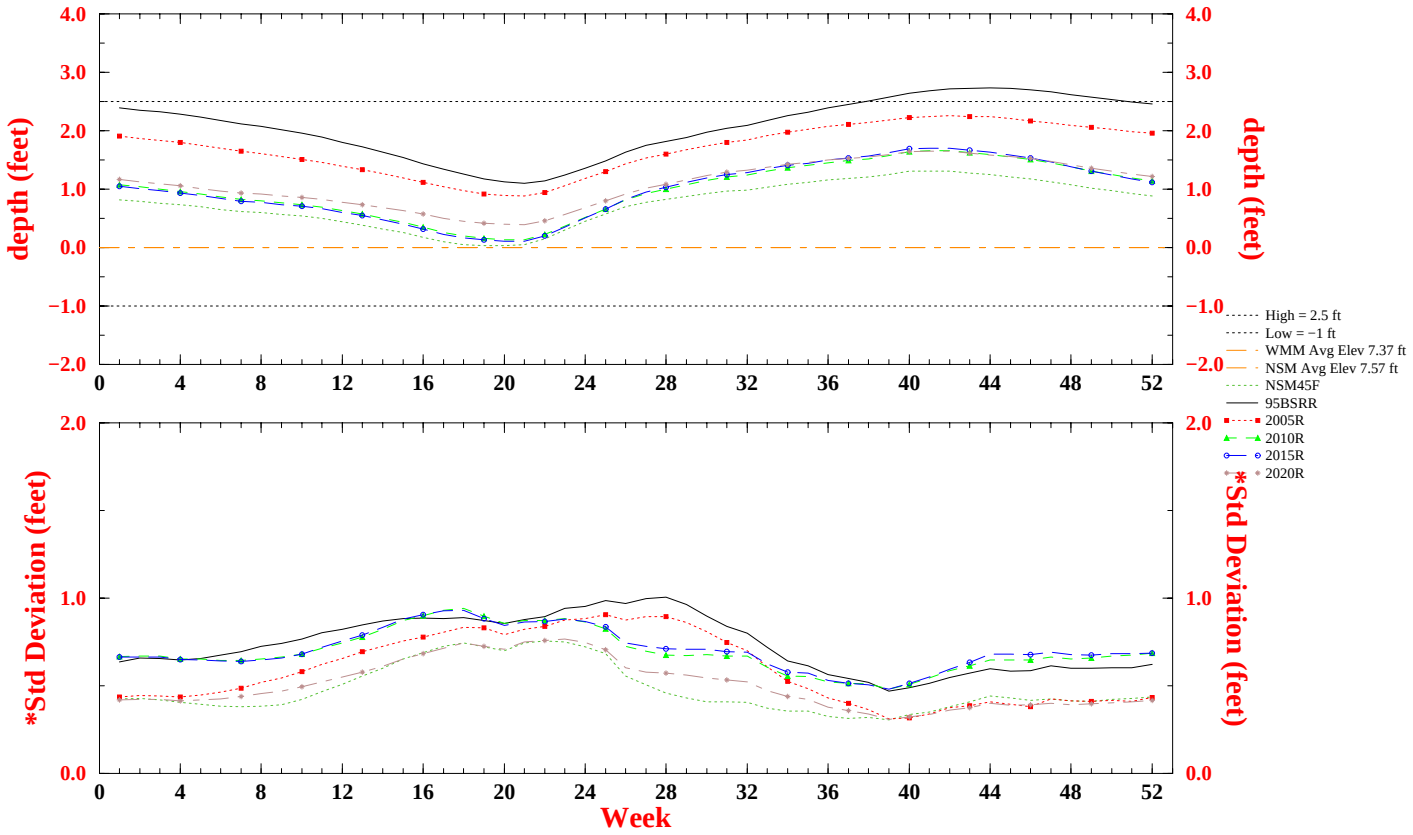
Indicator Region 14 (R23C17-20 R24C17-20 R25C17-21)



Run date: Tue Mar 14 07:02:31 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for South WCA-3A

Indicator Region 14 (R23C17-20 R24C17-20 R25C17-21)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

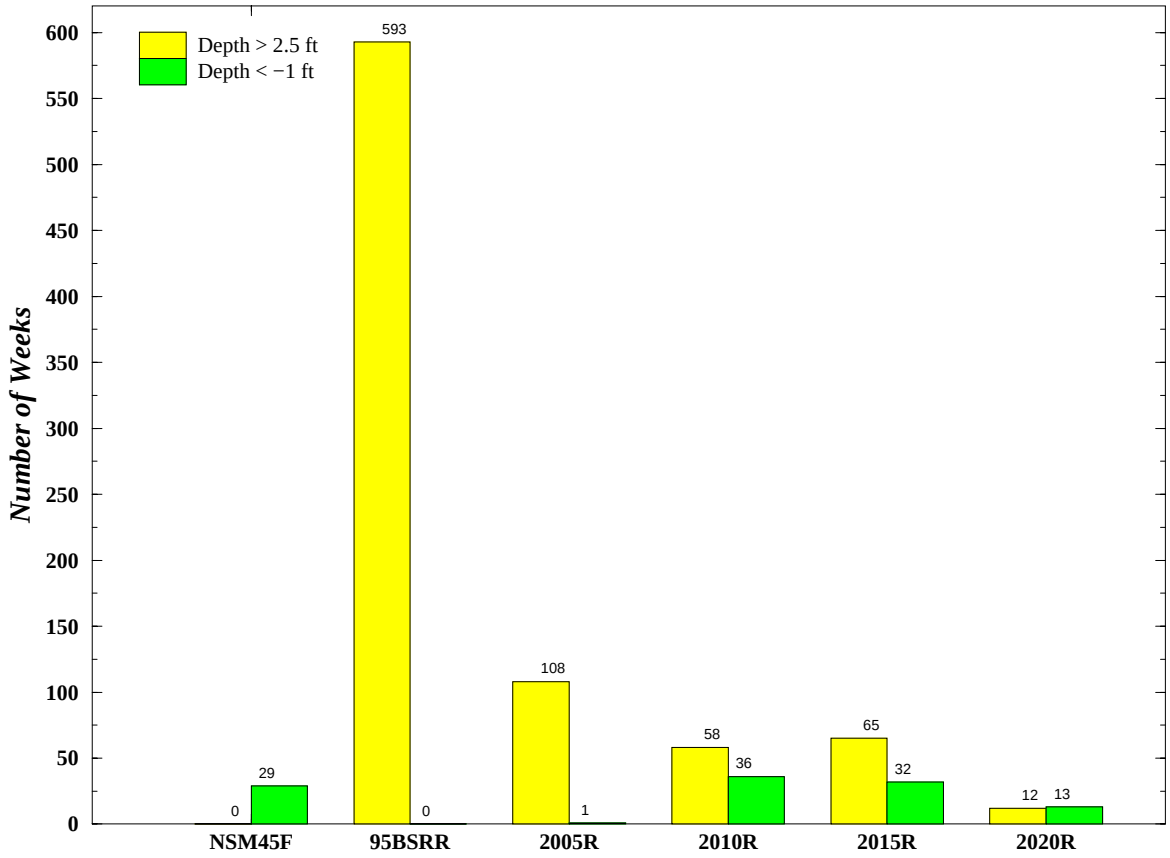
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:02:31 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 14 (R23C17-20 R24C17-20 R25C17-21)

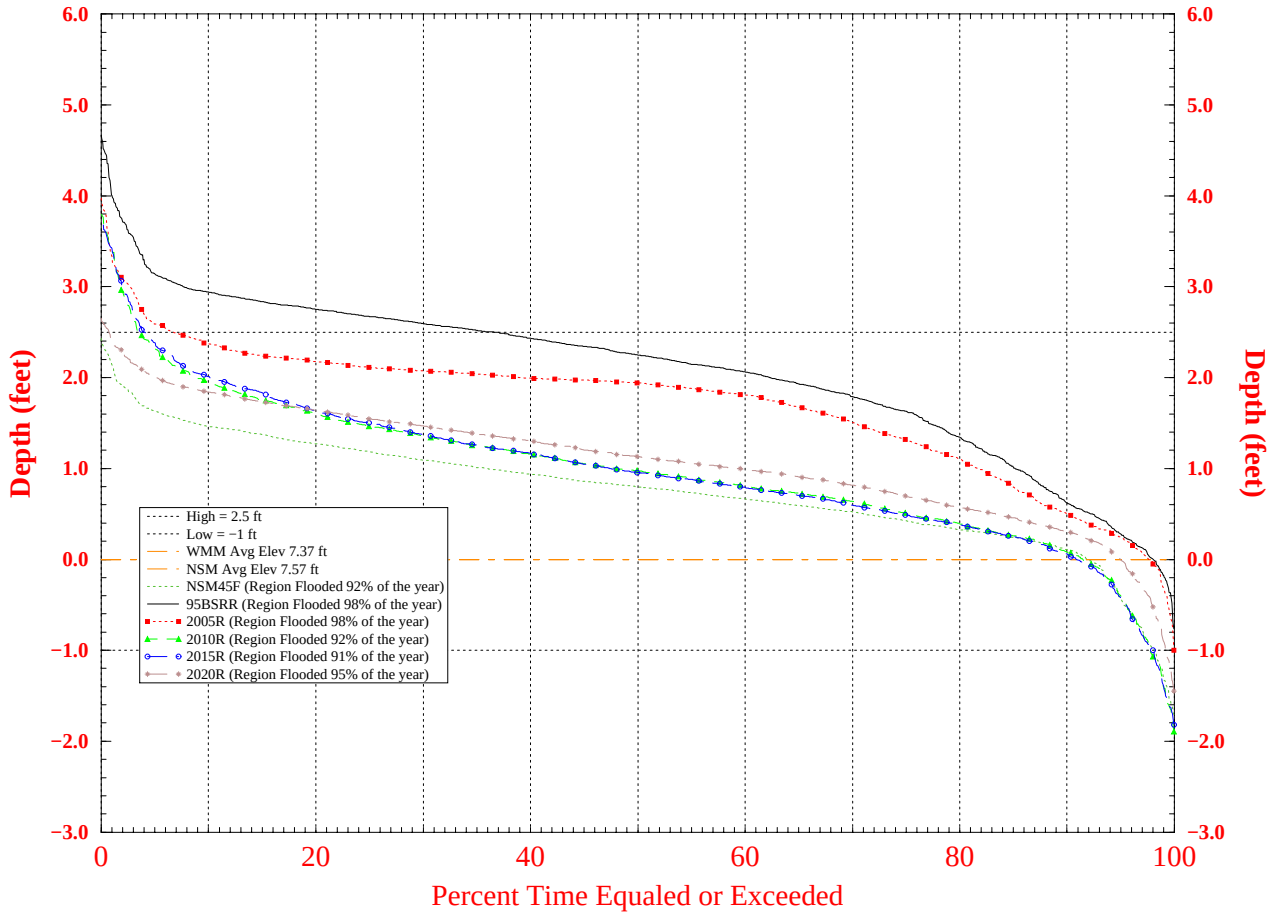


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:02:31 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for South WCA-3A

Indicator Region 14 (R23C17-20 R24C17-20 R25C17-21)

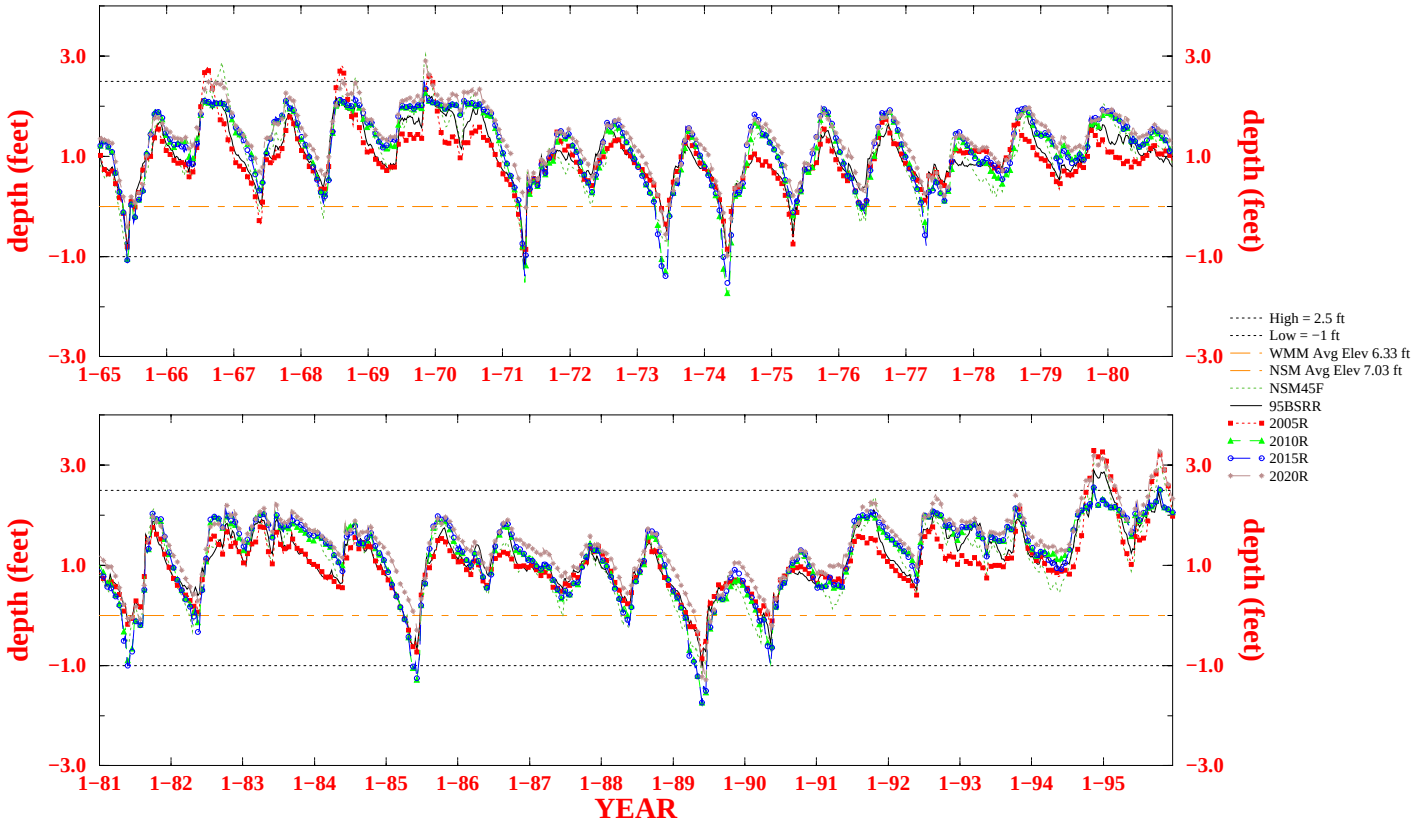


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:02:31 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for West WCA-3B

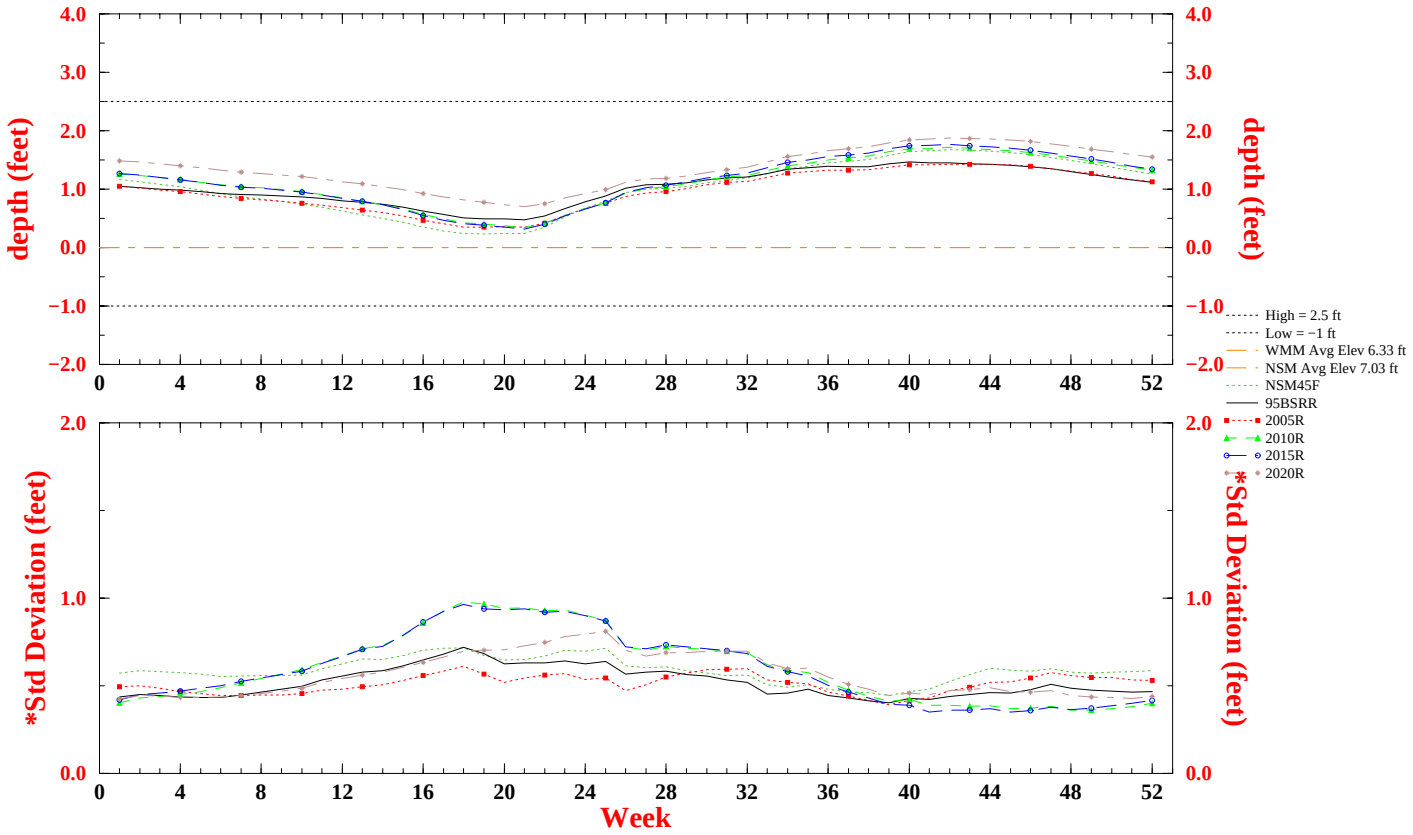
Indicator Region 15 (R23C23-23 R24C23-24 R25C24-25 R26C25-25 R27C25-25)



Run date: Tue Mar 14 07:02:37 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for West WCA-3B

Indicator Region 15 (R23C23-23 R24C23-24 R25C24-25 R26C25-25 R27C25-25)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

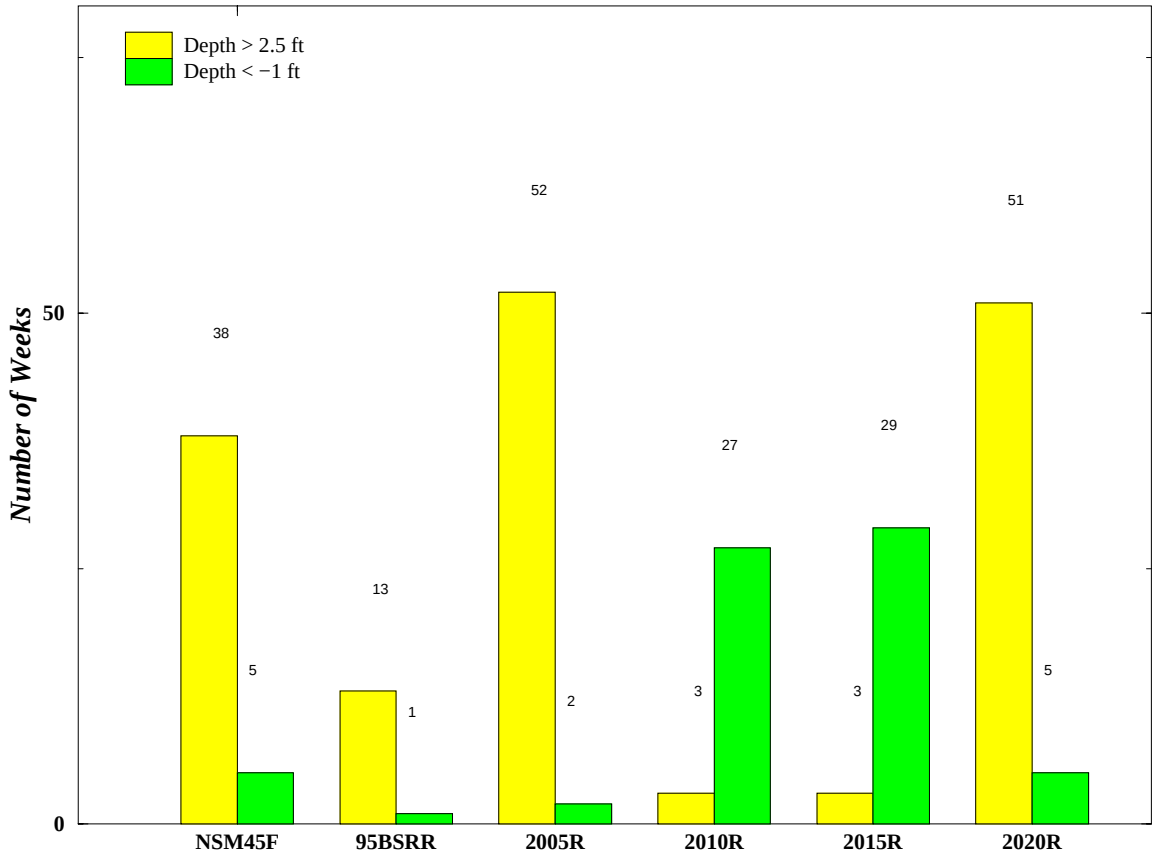
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:02:37 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 15 (R23C23-23 R24C23-24 R25C24-25 R26C25-25 R27C25-25)

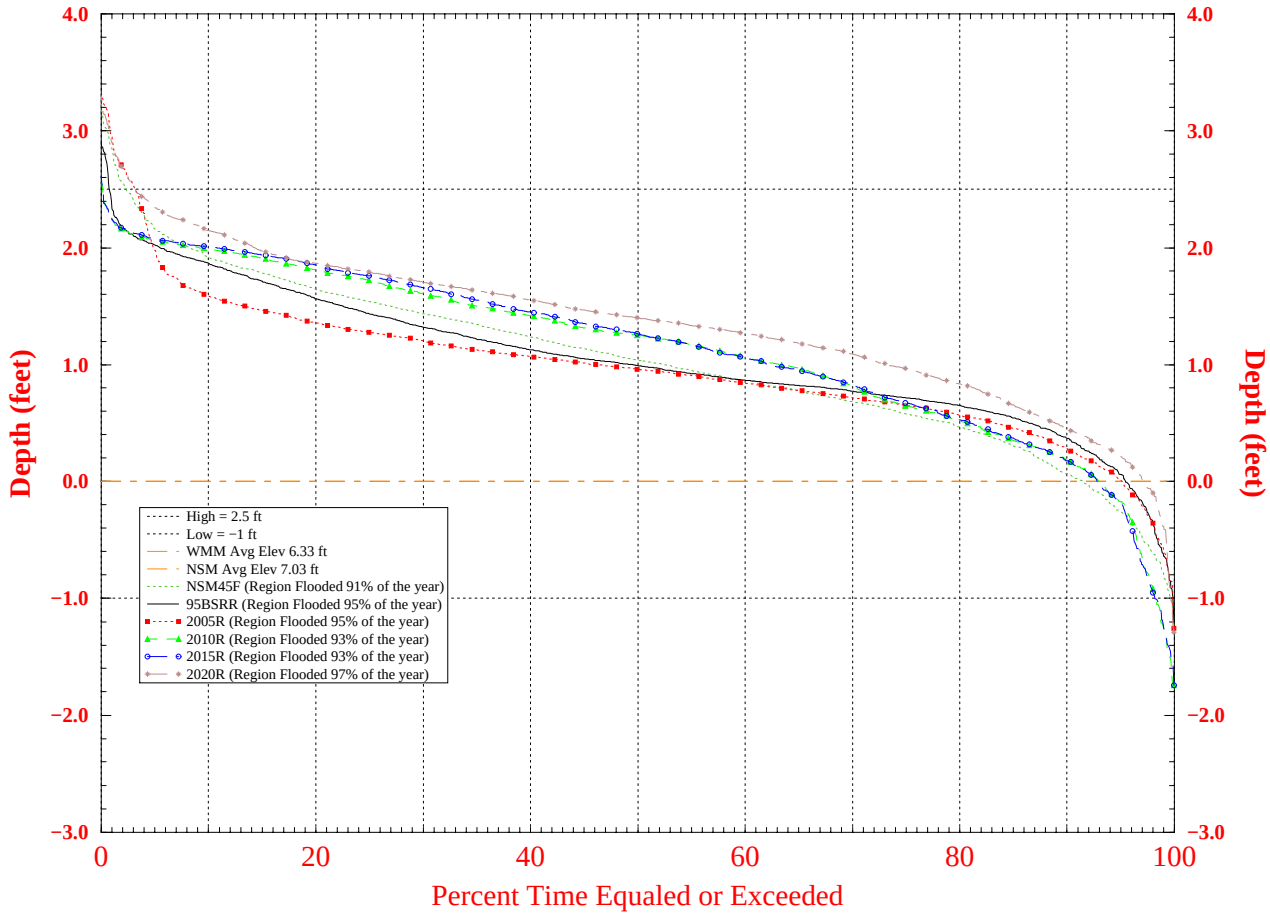


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:02:37 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for West WCA-3B

Indicator Region 15 (R23C23-23 R24C23-24 R25C24-25 R26C25-25 R27C25-25)

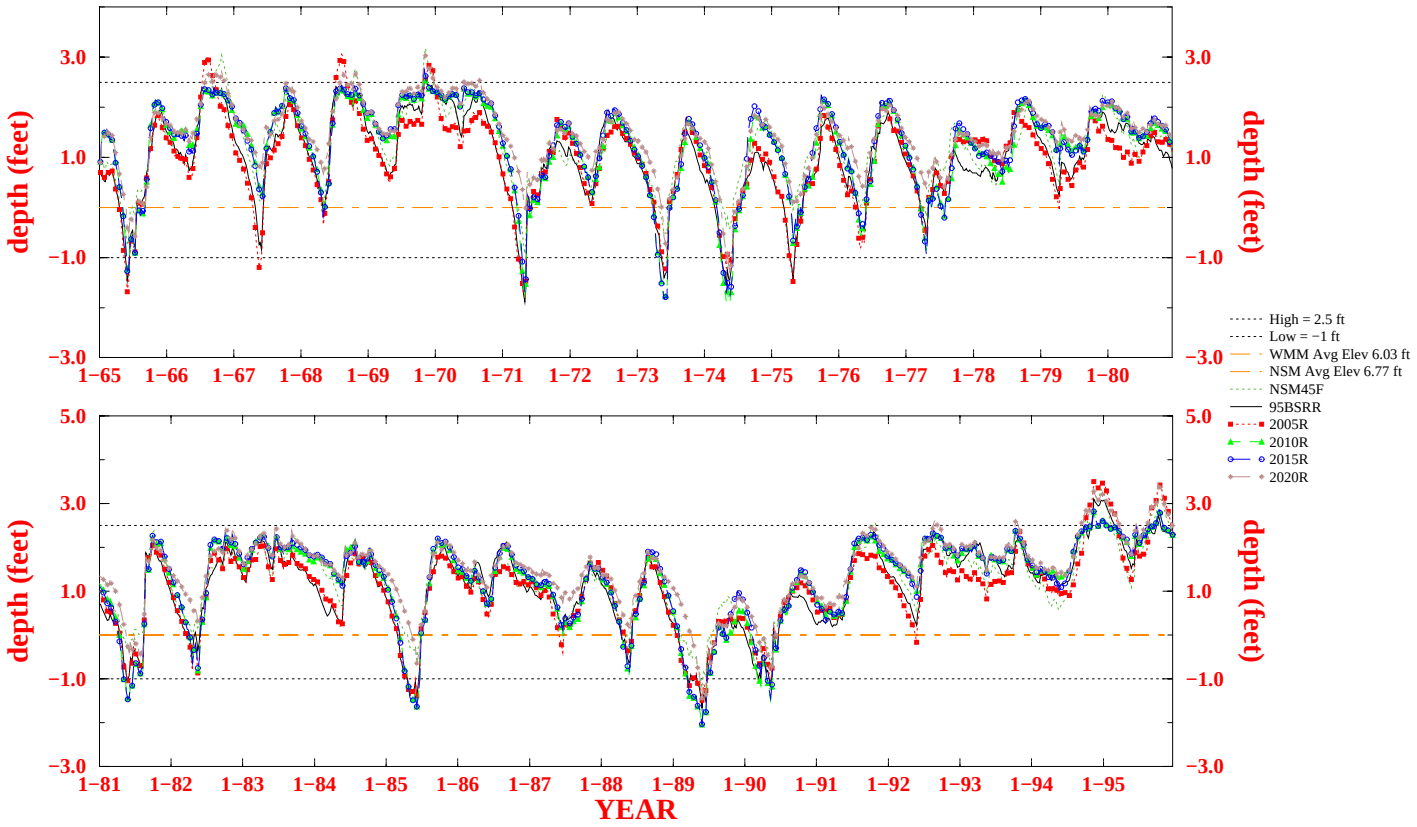


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:02:37 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for East WCA-3B

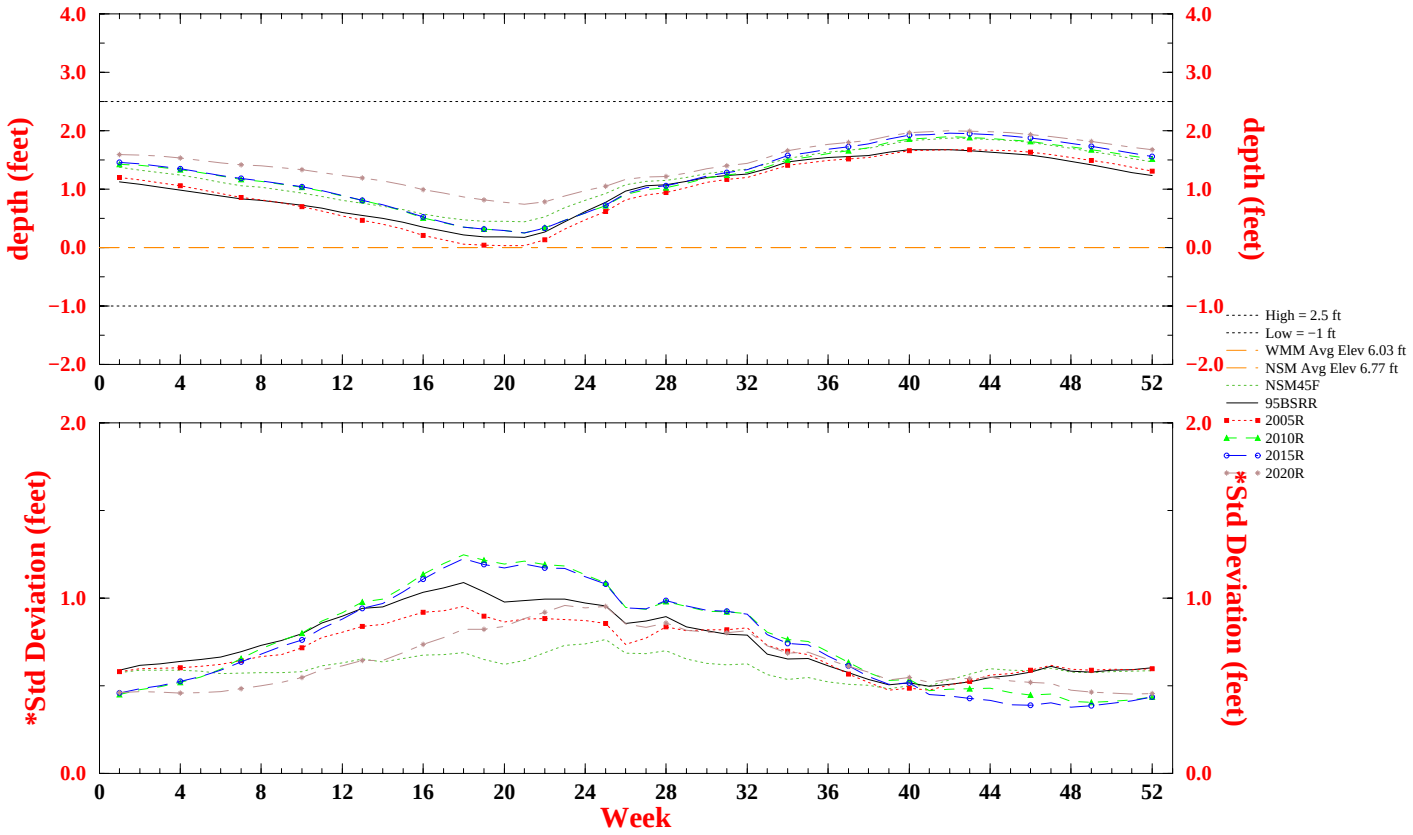
Indicator Region 16 (R23C24-26 R24C25-26 R25C26-26 R26C26-26)



Run date: Tue Mar 14 07:02:43 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for East WCA-3B

Indicator Region 16 (R23C24-26 R24C25-26 R25C26-26 R26C26-26)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

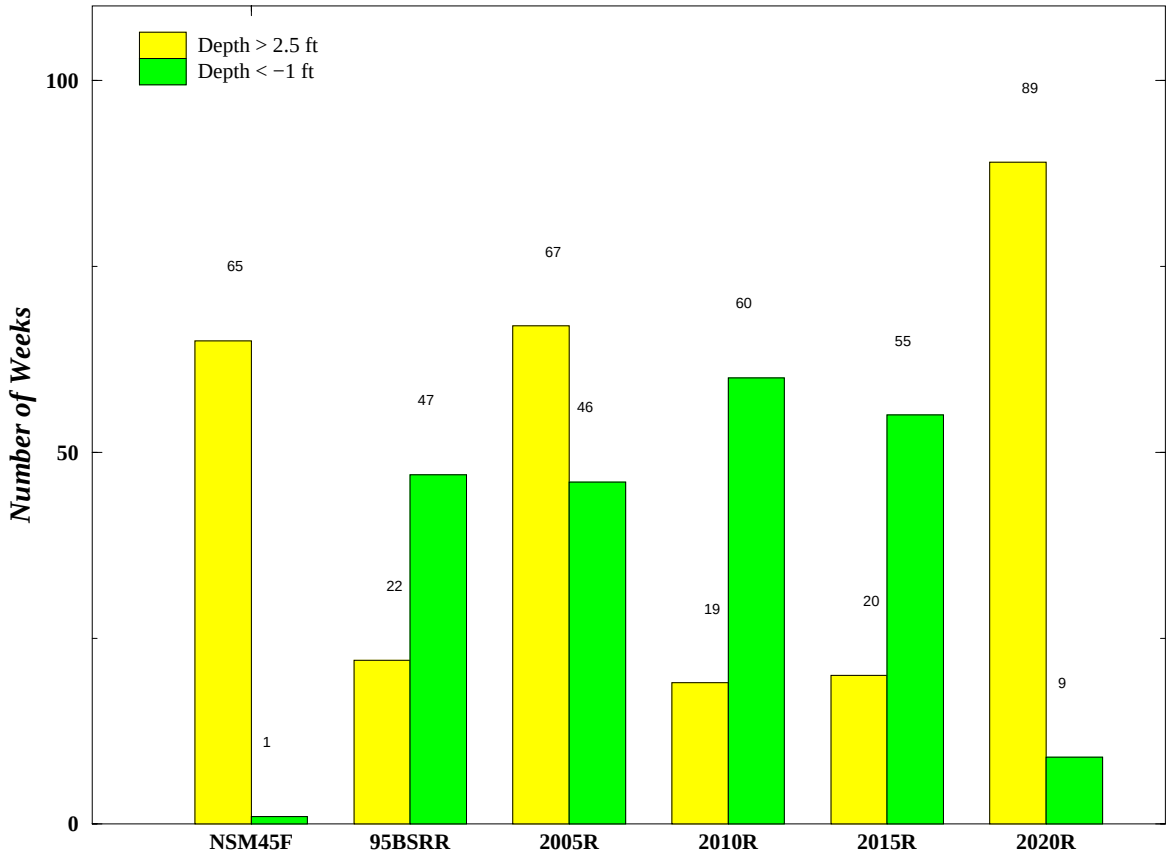
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:02:43 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 16 (R23C24-26 R24C25-26 R25C26-26 R26C26-26)

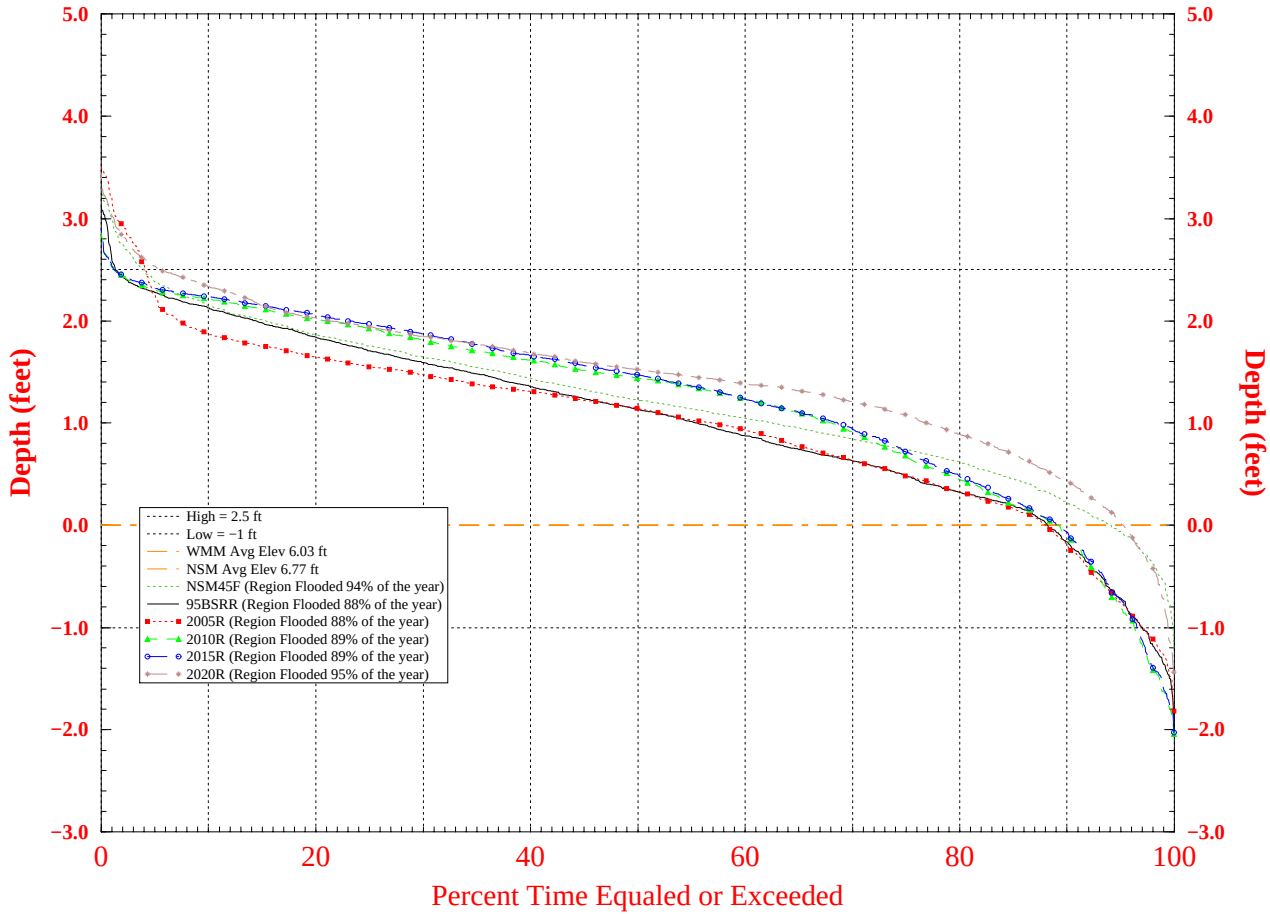


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:02:43 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for East WCA-3B

Indicator Region 16 (R23C24-26 R24C25-26 R25C26-26 R26C26-26)

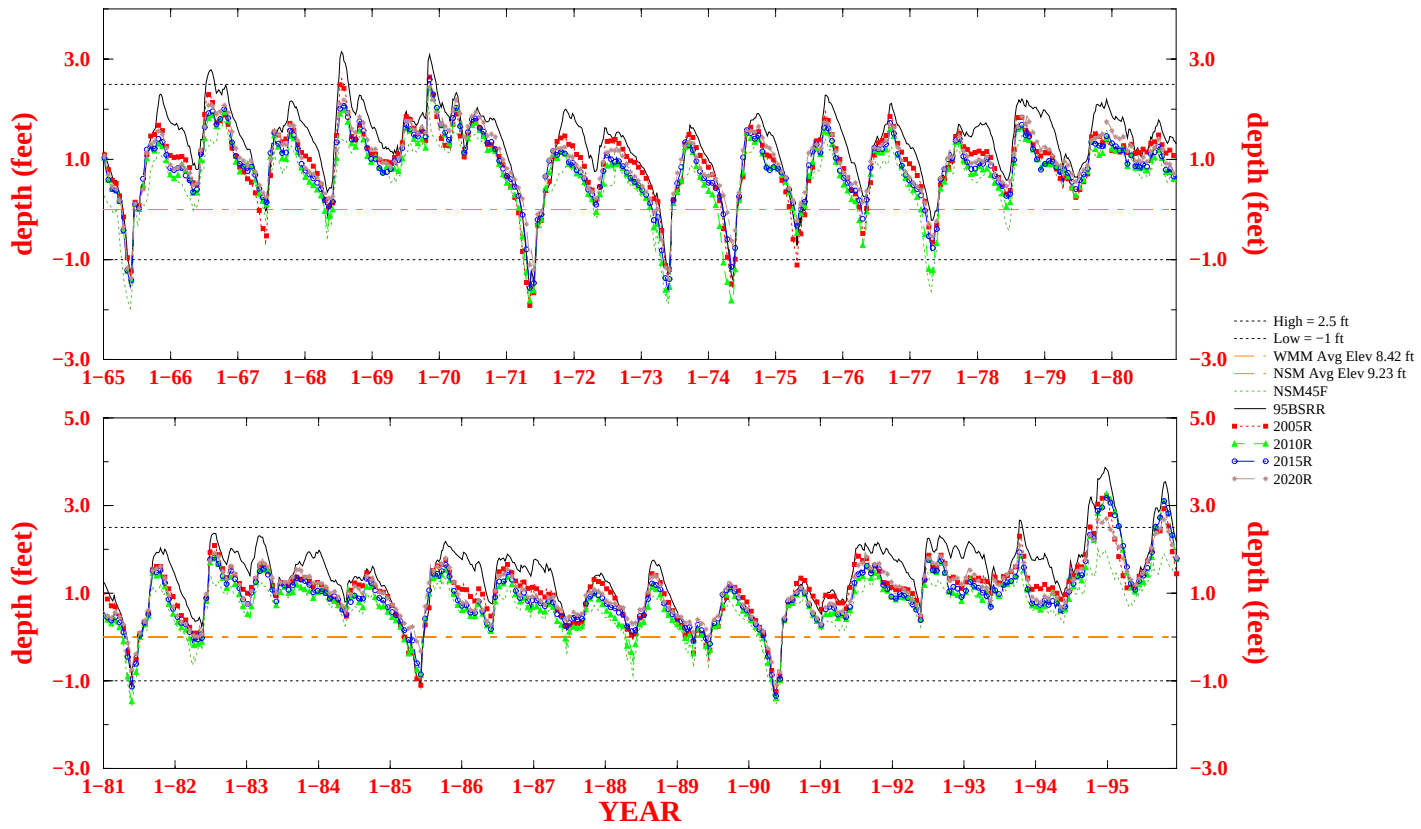


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:02:43 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for South Central WCA-3A

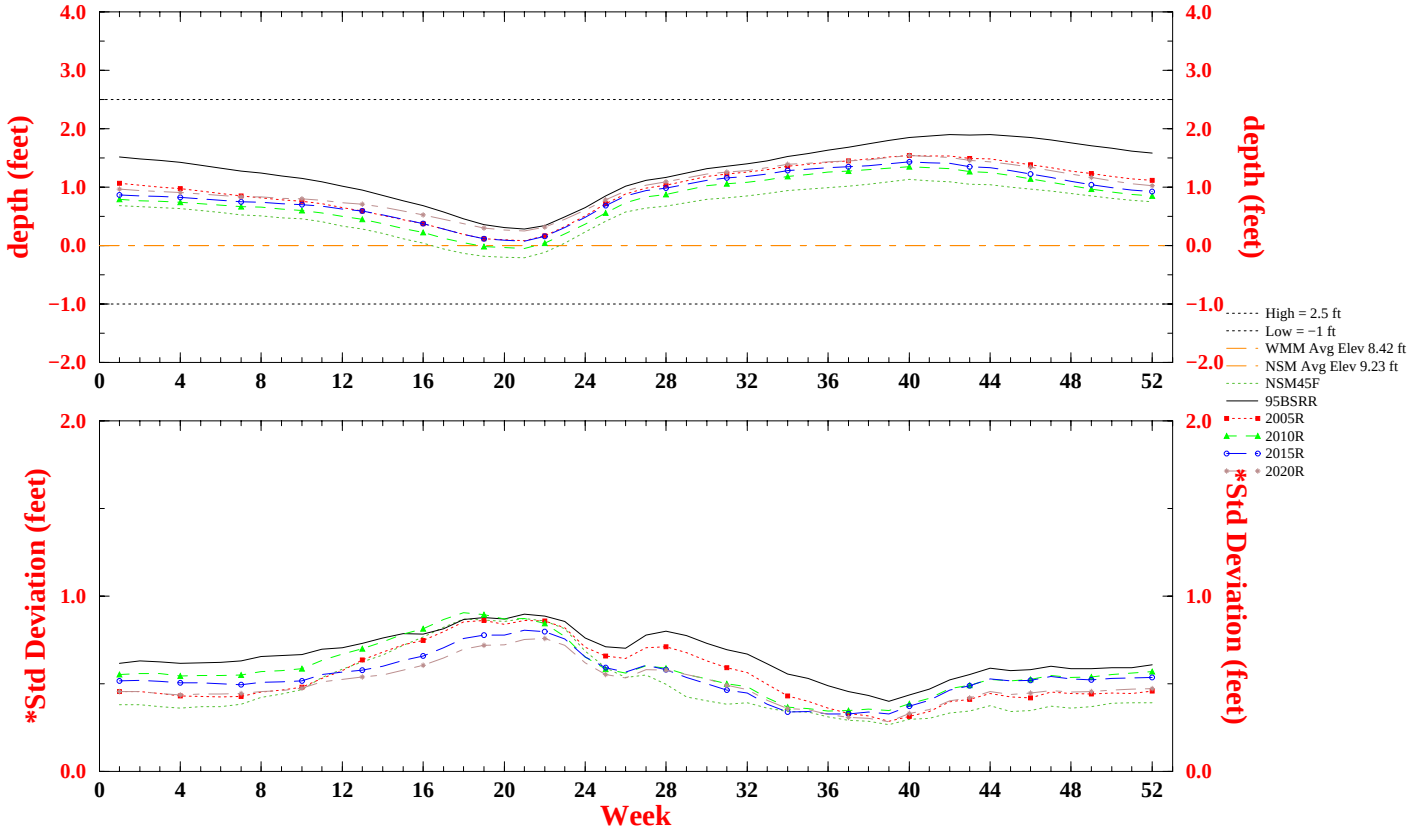
Indicator Region 17 (R28C17-21 R29C17-22 R30C18-22 R31C18-22)



Run date: Tue Mar 14 07:02:55 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for South Central WCA-3A

Indicator Region 17 (R28C17-21 R29C17-22 R30C18-22 R31C18-22)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

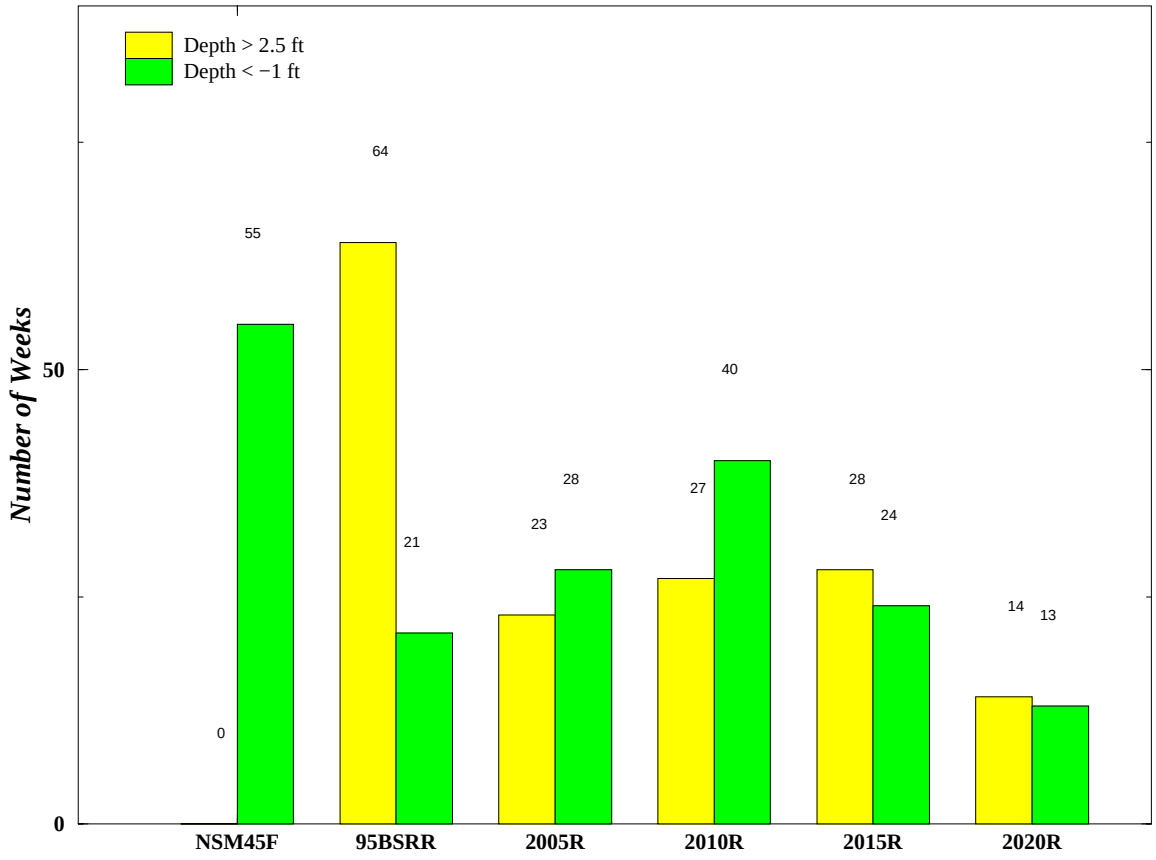
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:02:56 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 17 (R28C17-21 R29C17-22 R30C18-22 R31C18-22)

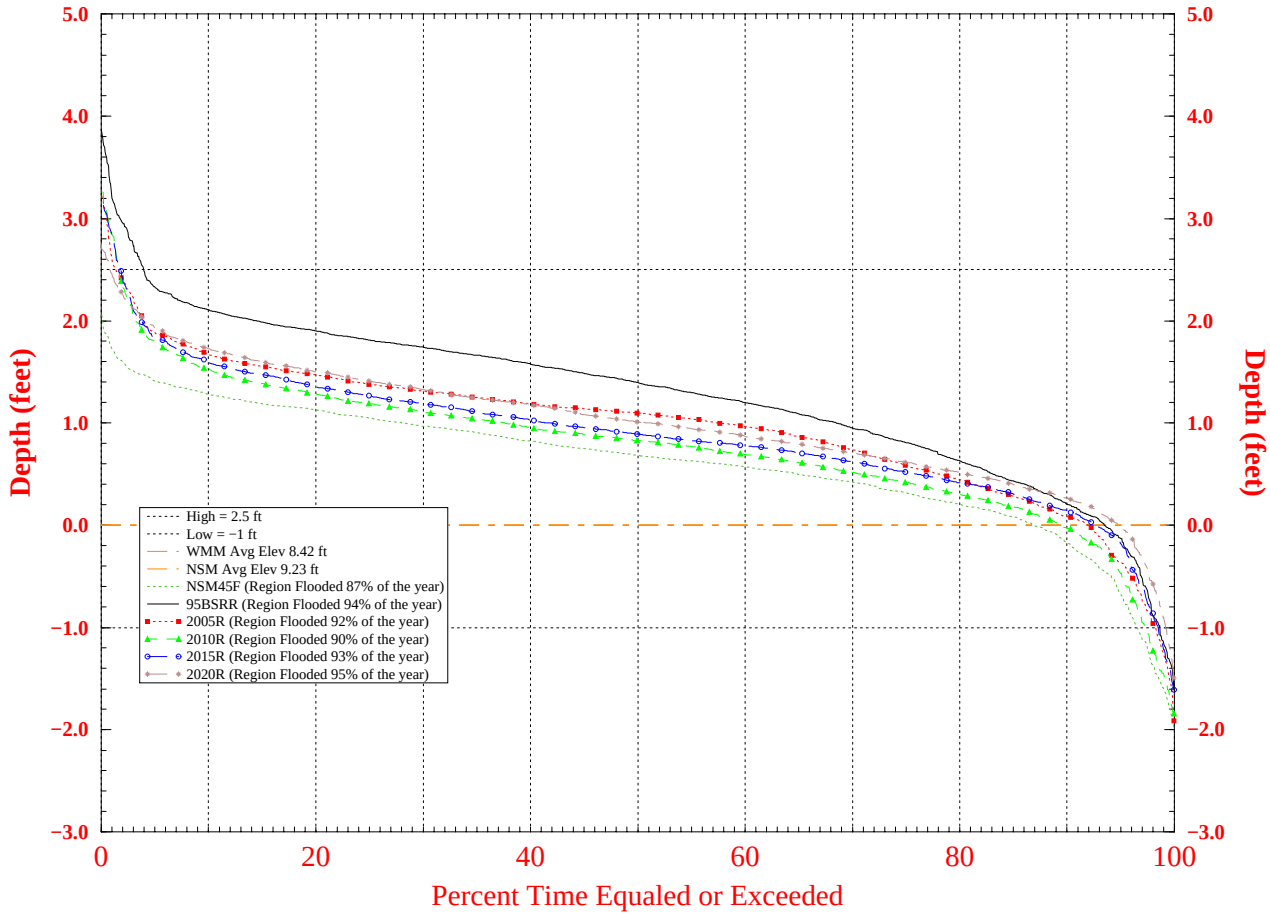


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:02:56 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for South Central WCA-3A

Indicator Region 17 (R28C17-21 R29C17-22 R30C18-22 R31C18-22)

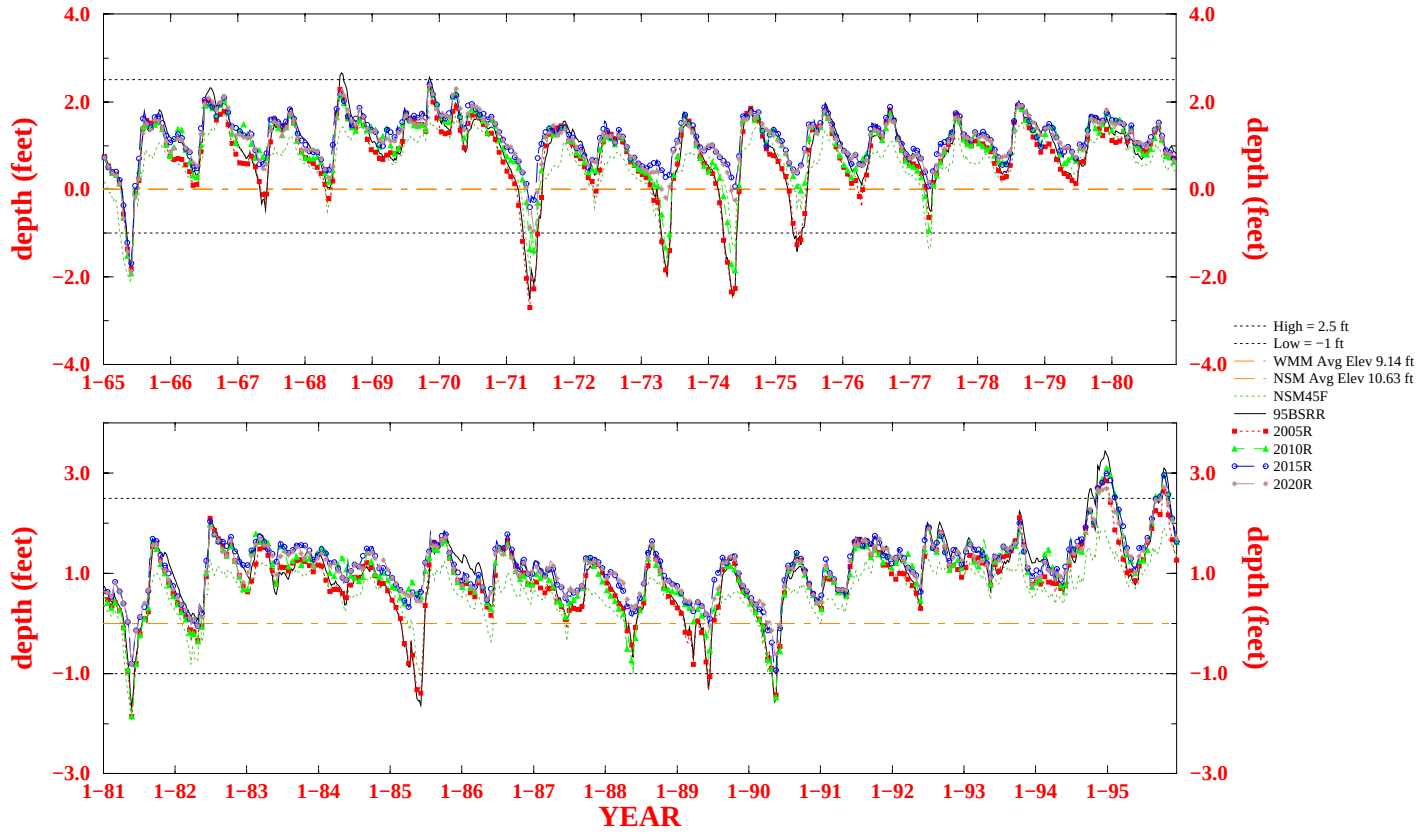


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:02:56 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for North Central WCA-3A

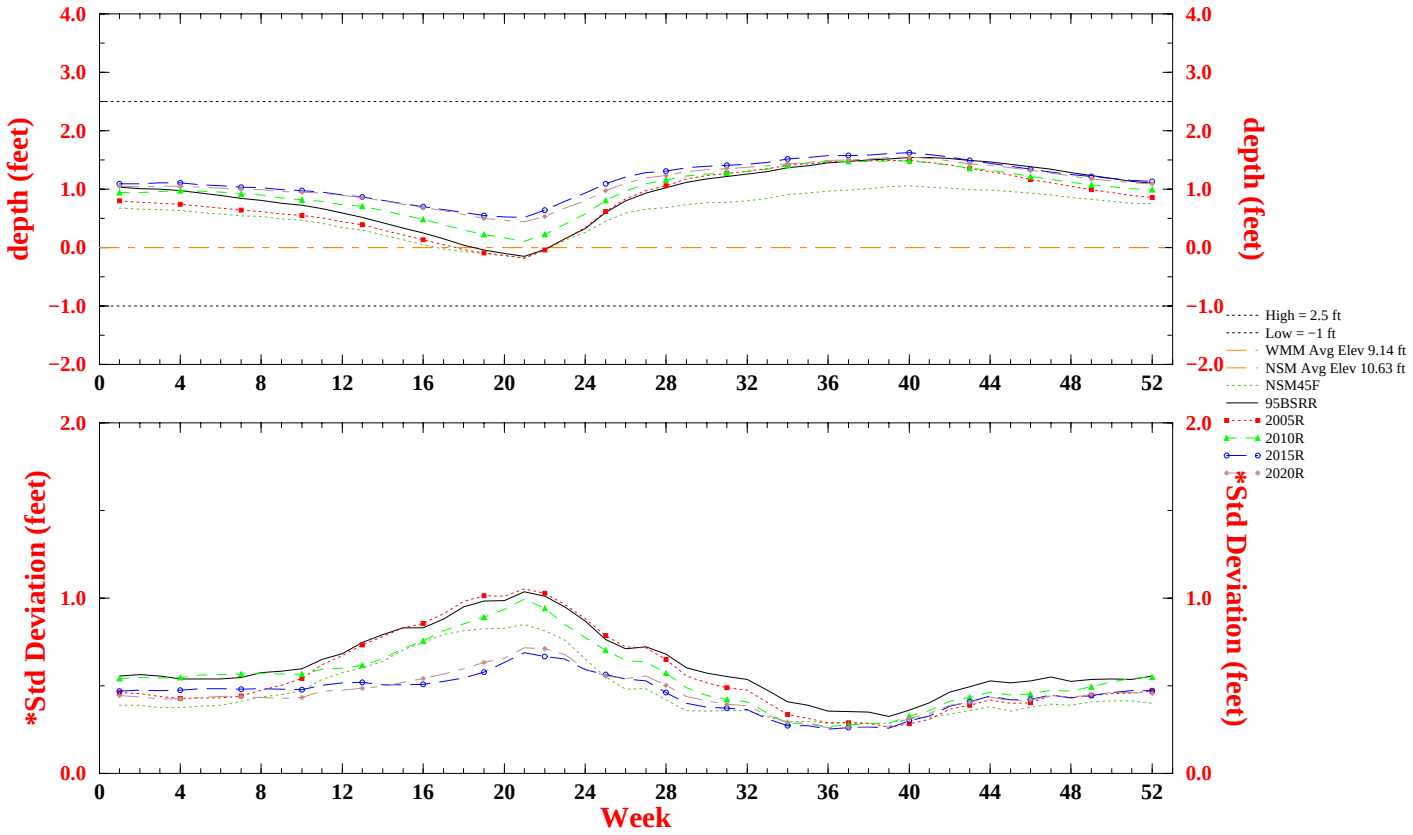
Indicator Region 18 (R33C18-21 R34C18-21)



Run date: Tue Mar 14 07:03:02 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for North Central WCA-3A

Indicator Region 18 (R33C18-21 R34C18-21)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

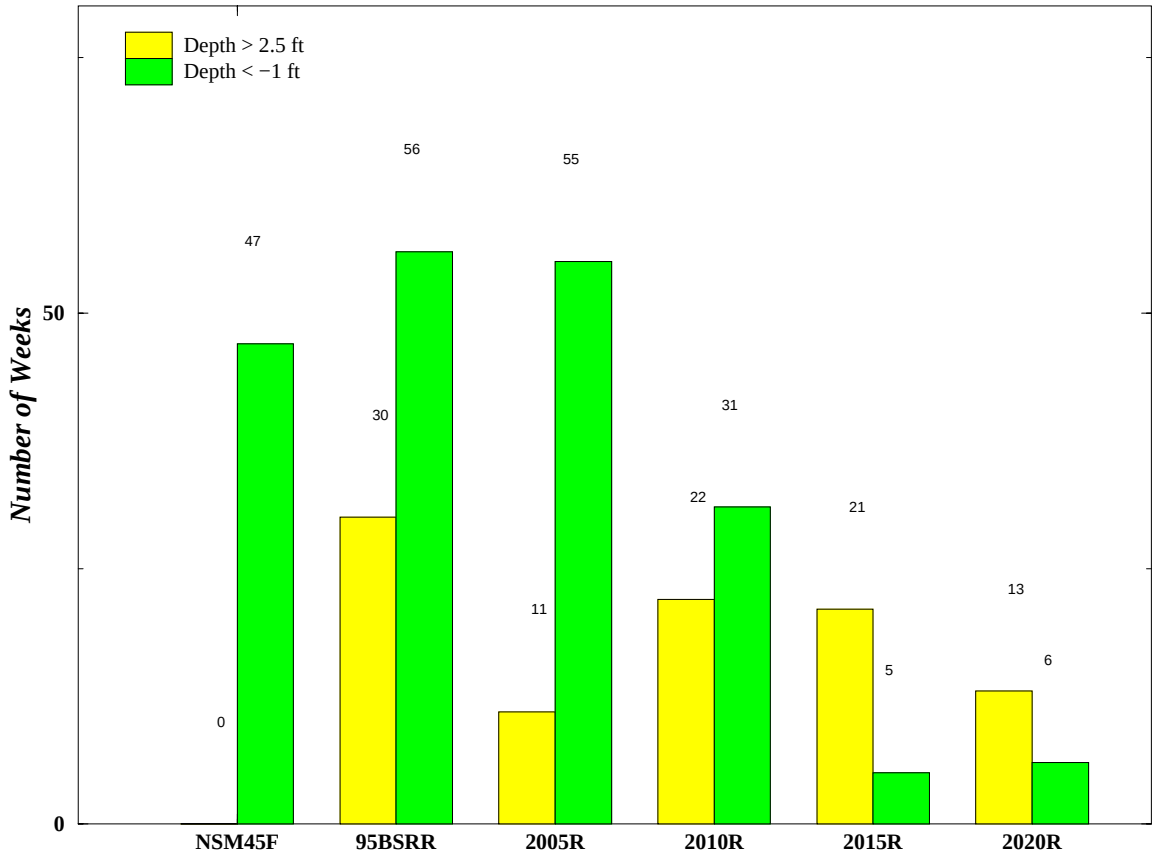
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:03:02 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 18 (R33C18-21 R34C18-21)

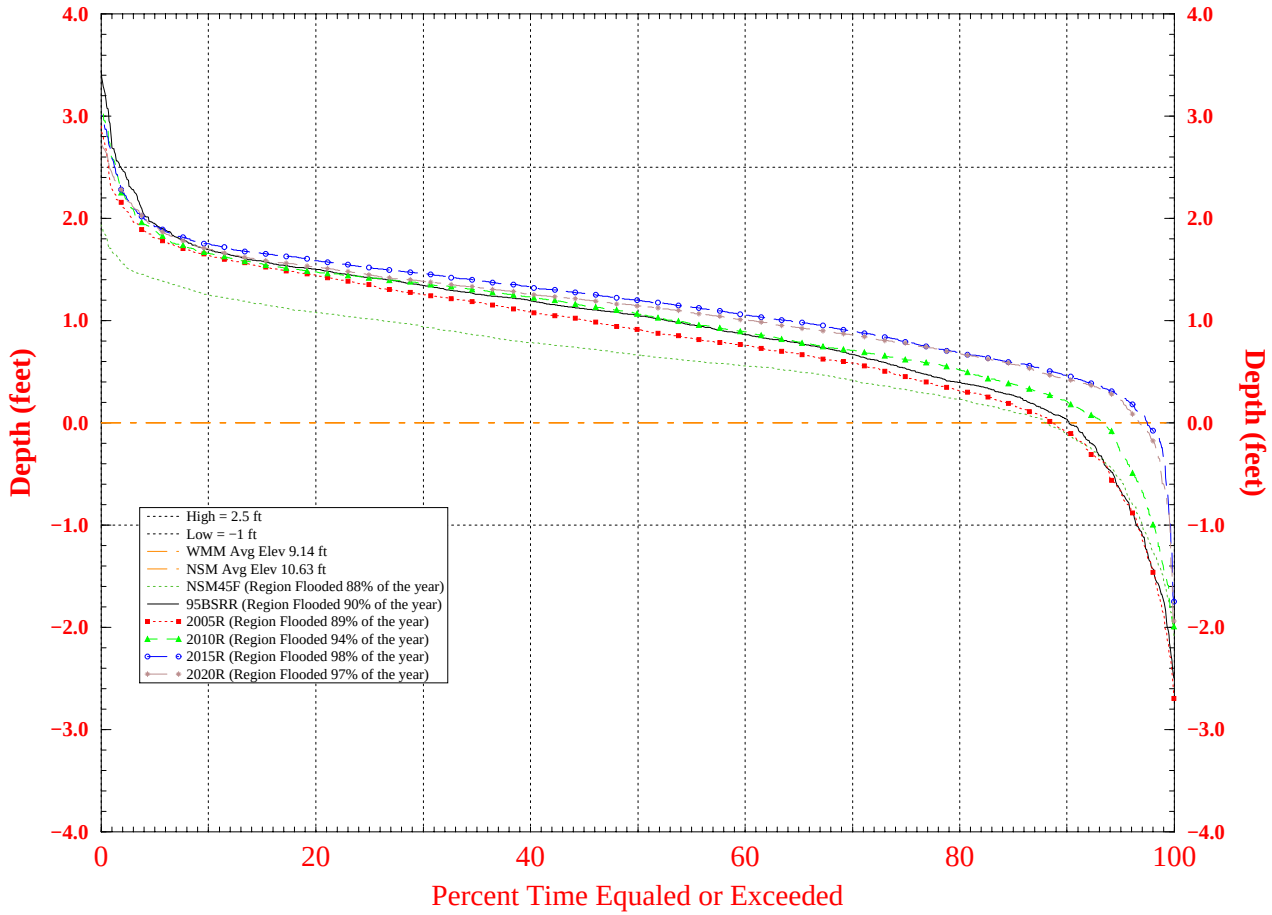


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:03:02 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for North Central WCA-3A

Indicator Region 18 (R33C18-21 R34C18-21)

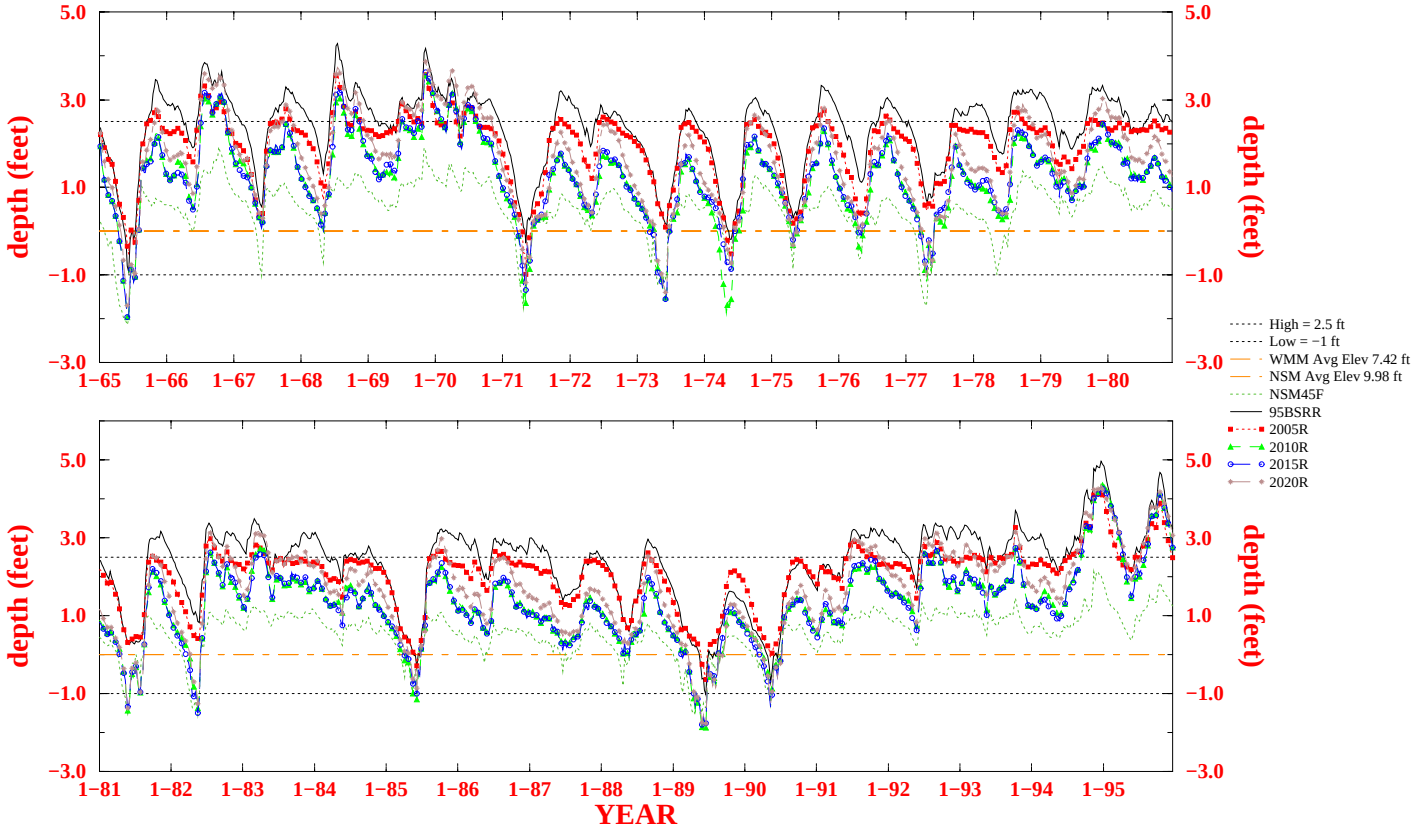


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:03:02 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for East WCA-3A

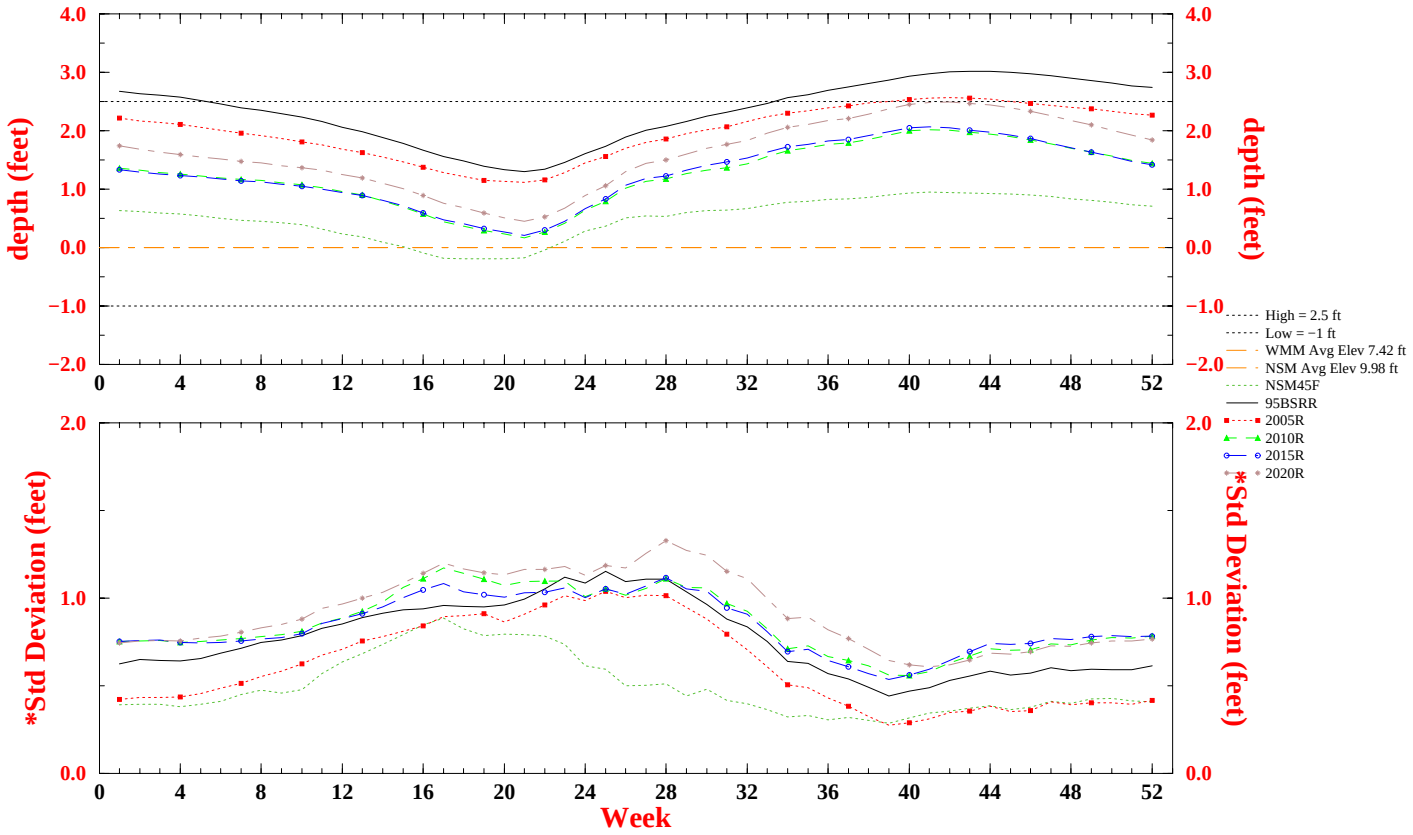
Indicator Region 19 (R33C25-27 R34C25-27)



Run date: Tue Mar 14 07:03:08 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for East WCA-3A

Indicator Region 19 (R33C25-27 R34C25-27)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

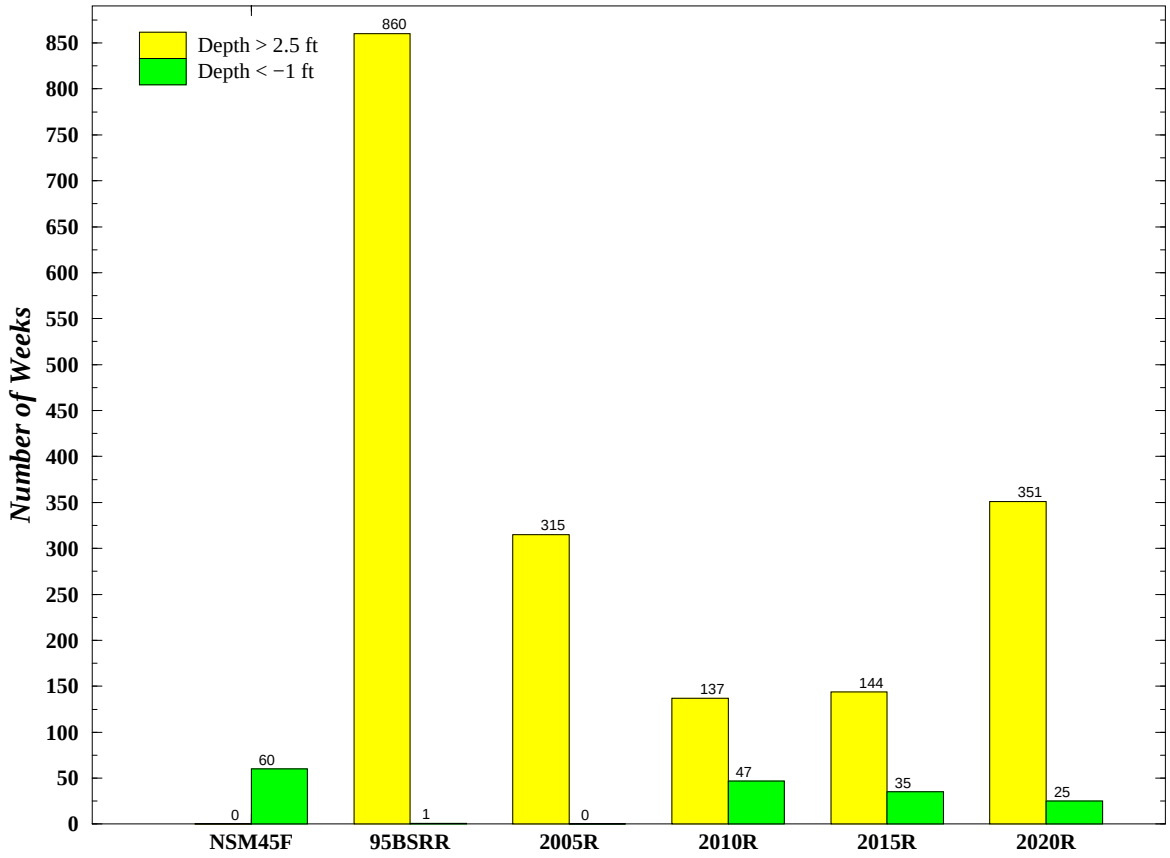
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:03:08 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 19 (R33C25-27 R34C25-27)

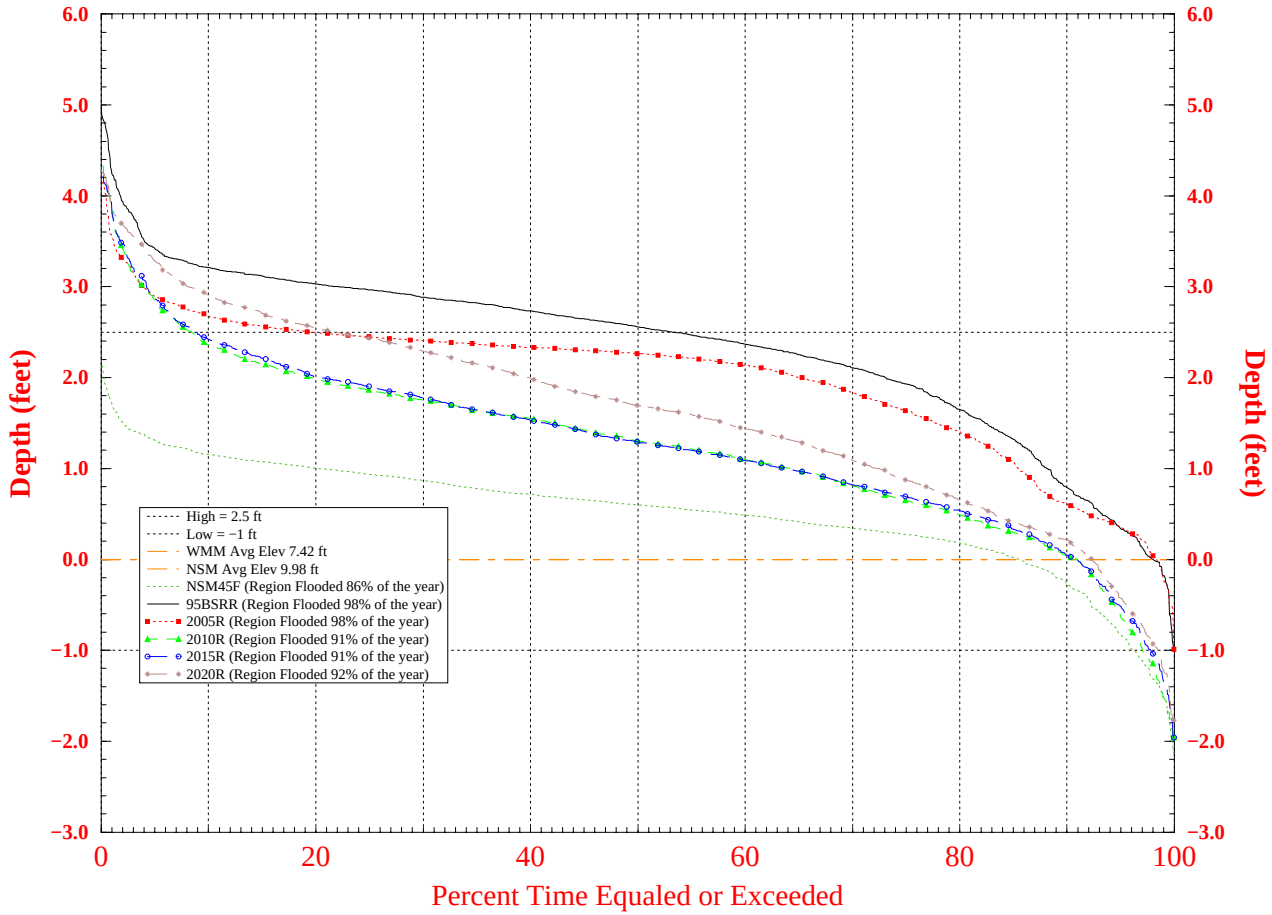


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:03:08 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for East WCA-3A

Indicator Region 19 (R33C25-27 R34C25-27)

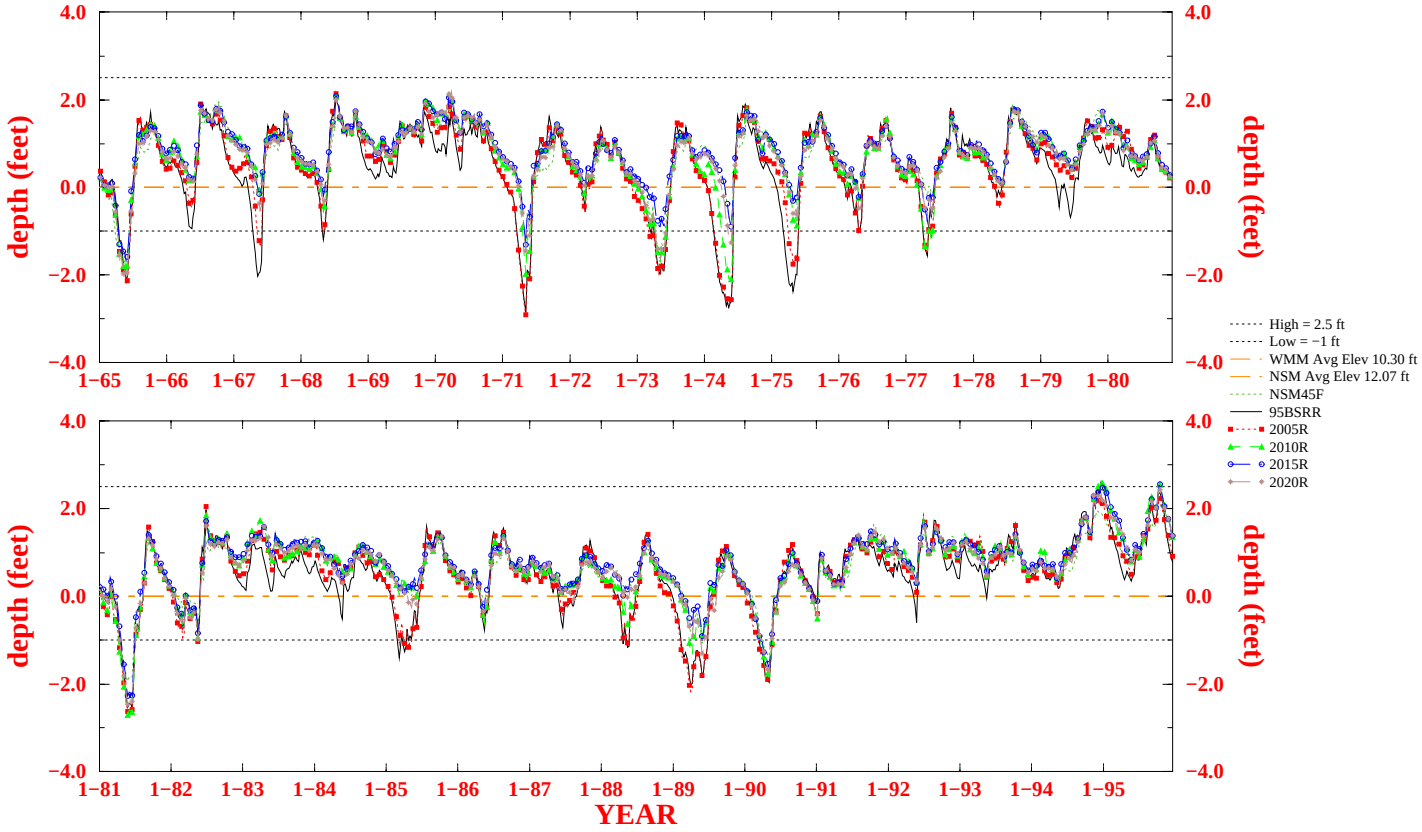


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:03:08 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for NW WCA-3A

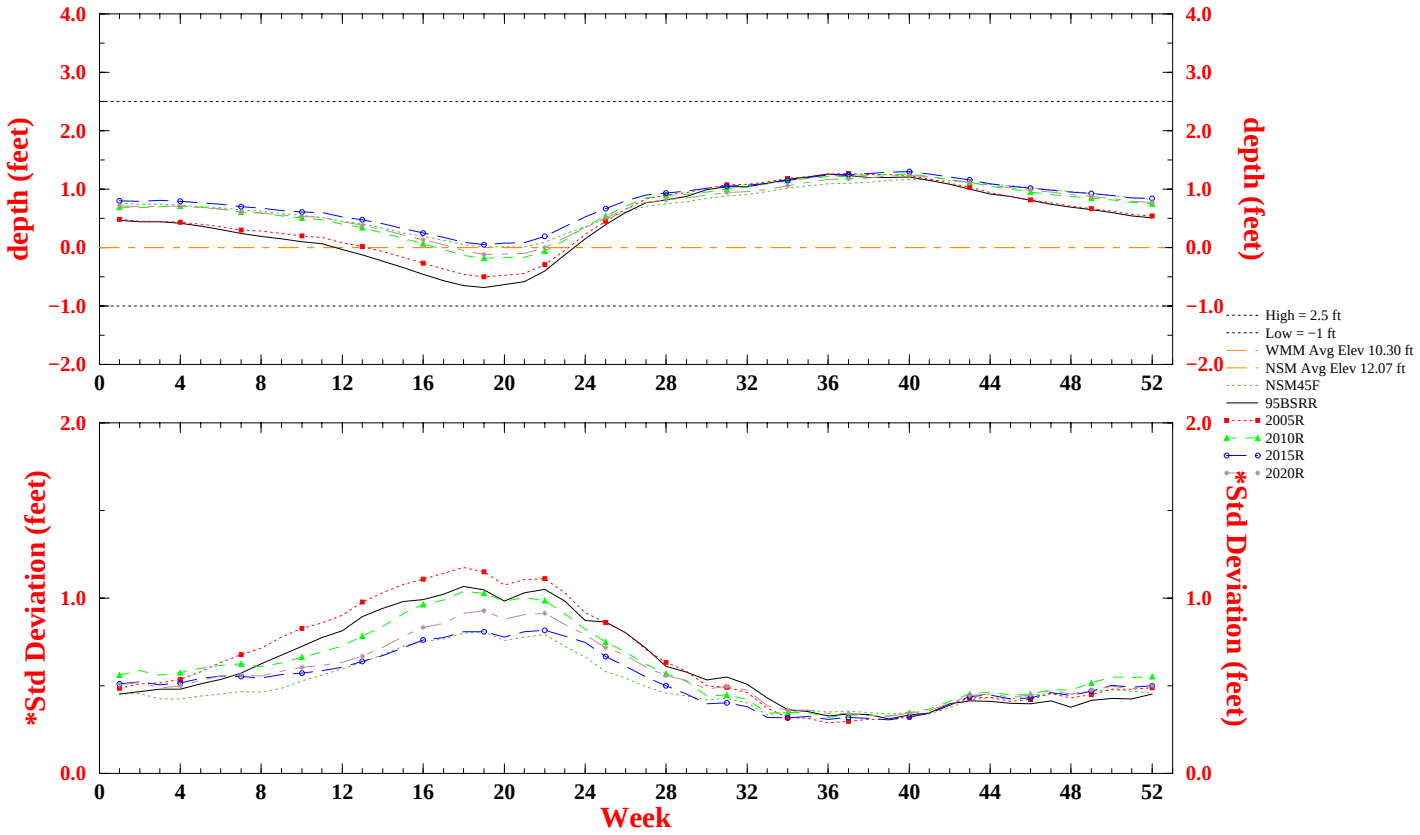
Indicator Region 20 (R36C18-18 R37C18-19 R38C17-19 R39C18-18)



Run date: Tue Mar 14 07:03:14 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for NW WCA-3A

Indicator Region 20 (R36C18-18 R37C18-19 R38C17-19 R39C18-18)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

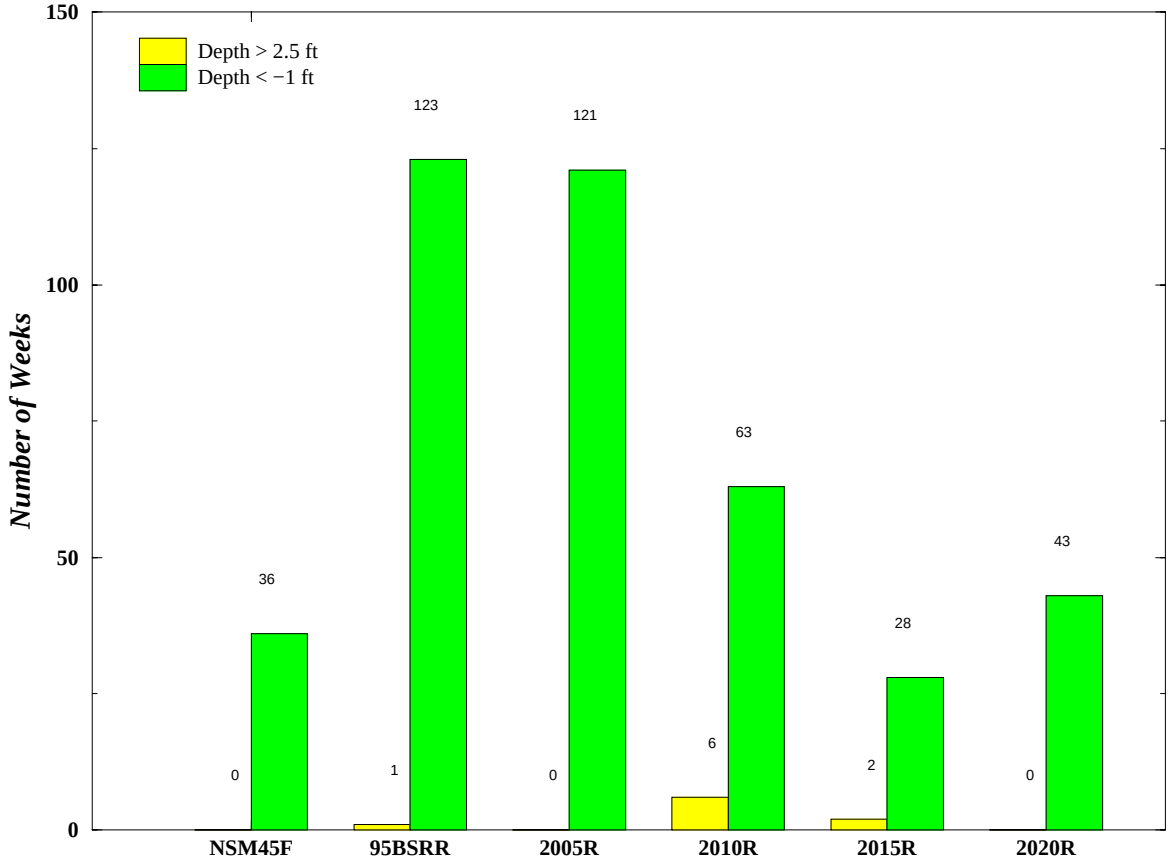
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:03:14 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 20 (R36C18-18 R37C18-19 R38C17-19 R39C18-18)

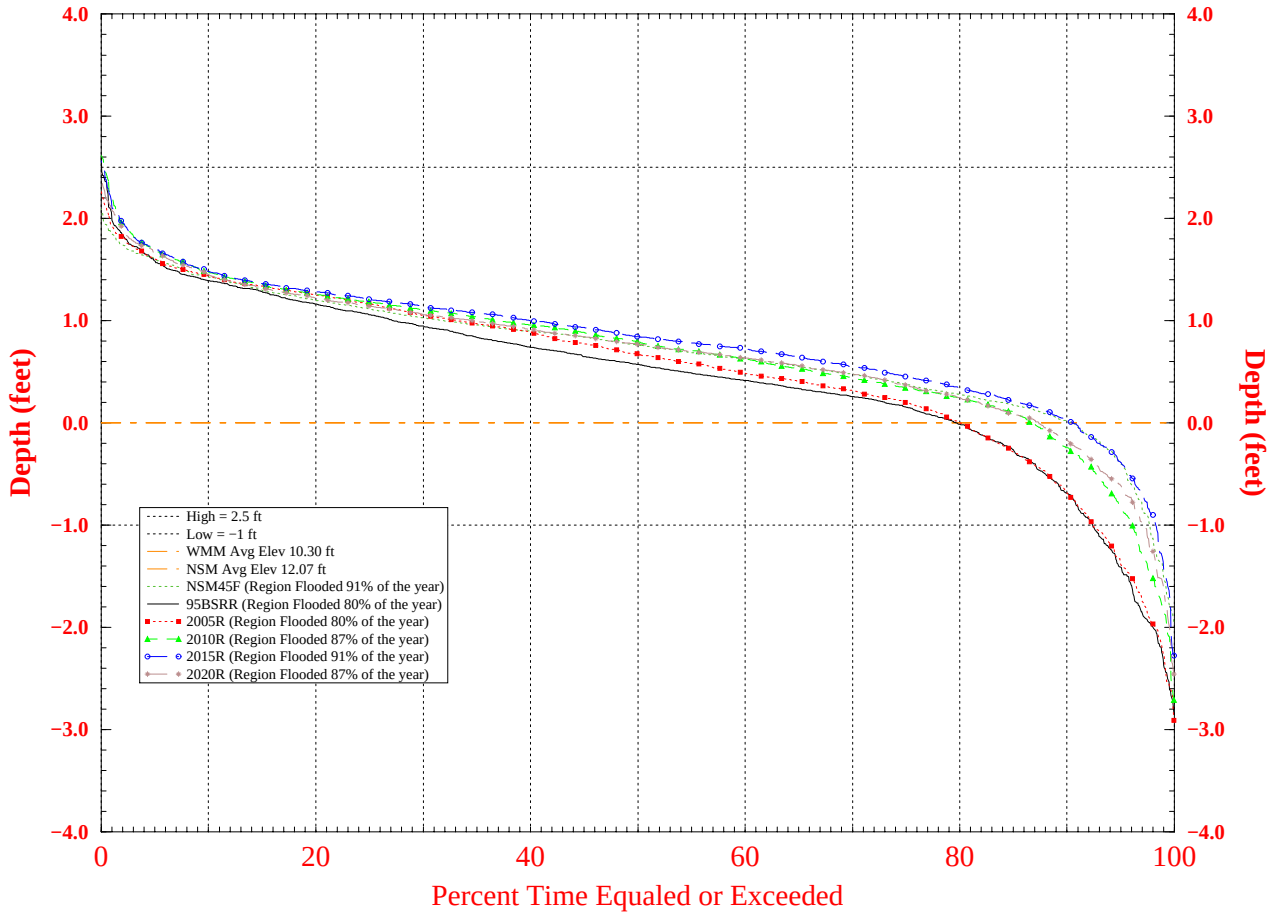


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:03:14 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for NW WCA-3A

Indicator Region 20 (R36C18-18 R37C18-19 R38C17-19 R39C18-18)

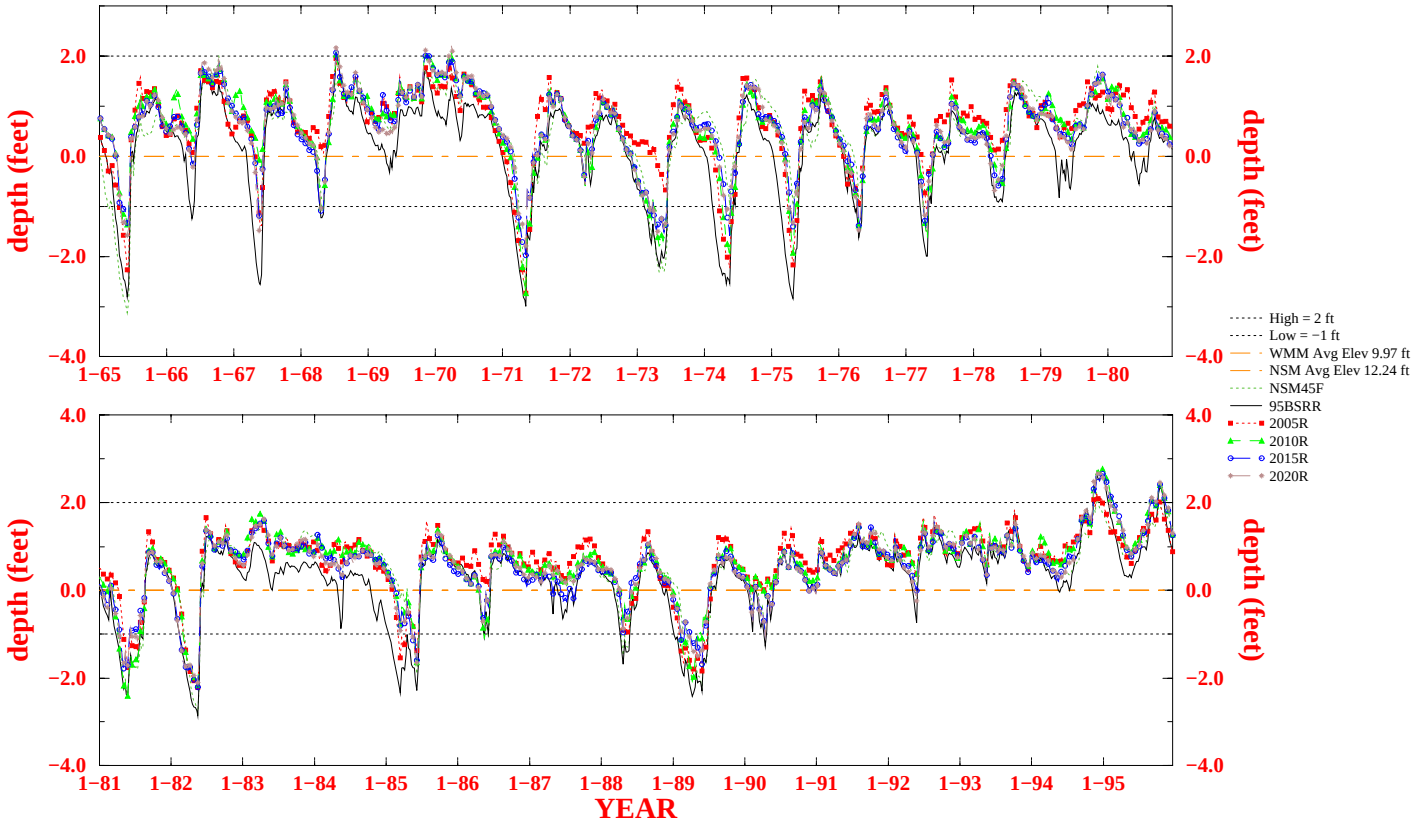


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:03:14 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for NE WCA-3A

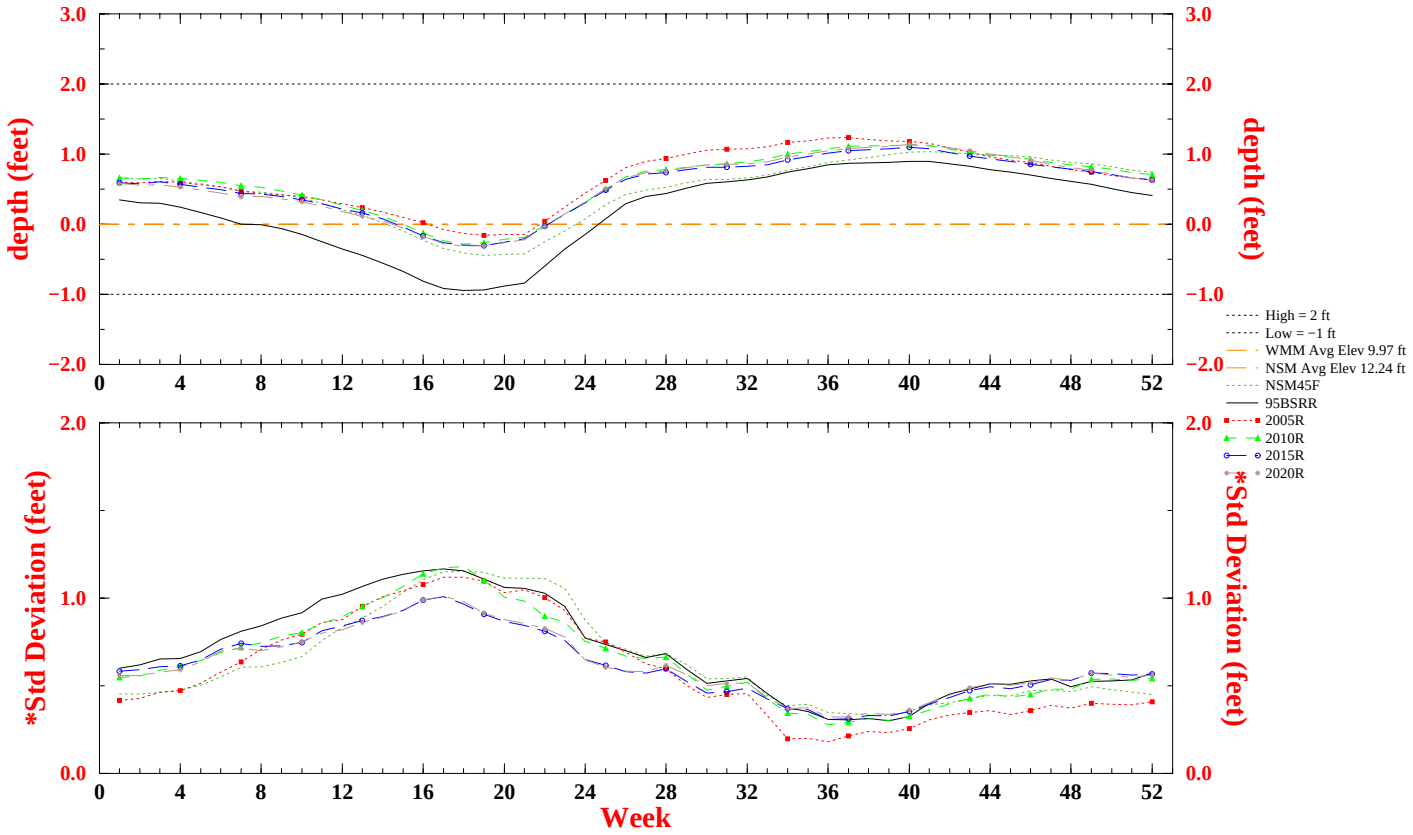
Indicator Region 21 (R38C23-24 R39C23-25 R40C22-25)



Run date: Tue Mar 14 07:03:21 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for NE WCA-3A

Indicator Region 21 (R38C23-24 R39C23-25 R40C22-25)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

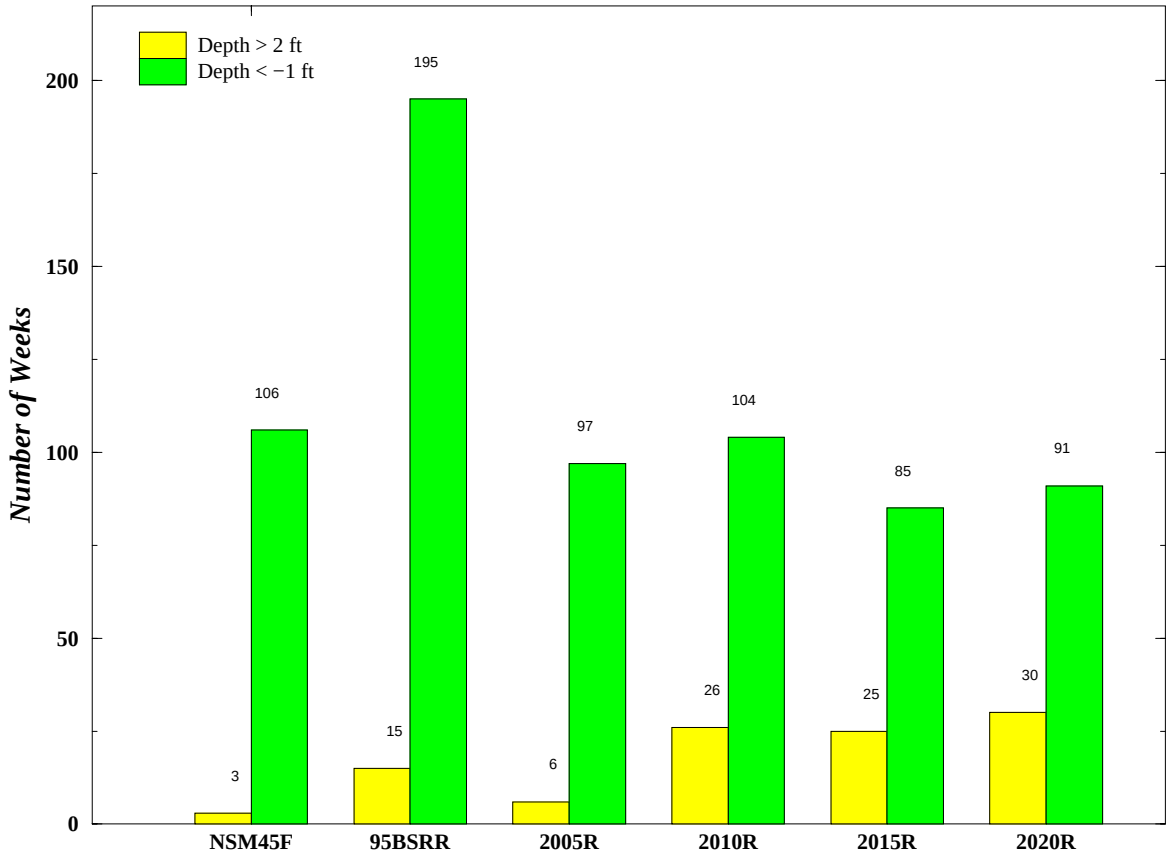
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:03:21 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 21 (R38C23-24 R39C23-25 R40C22-25)

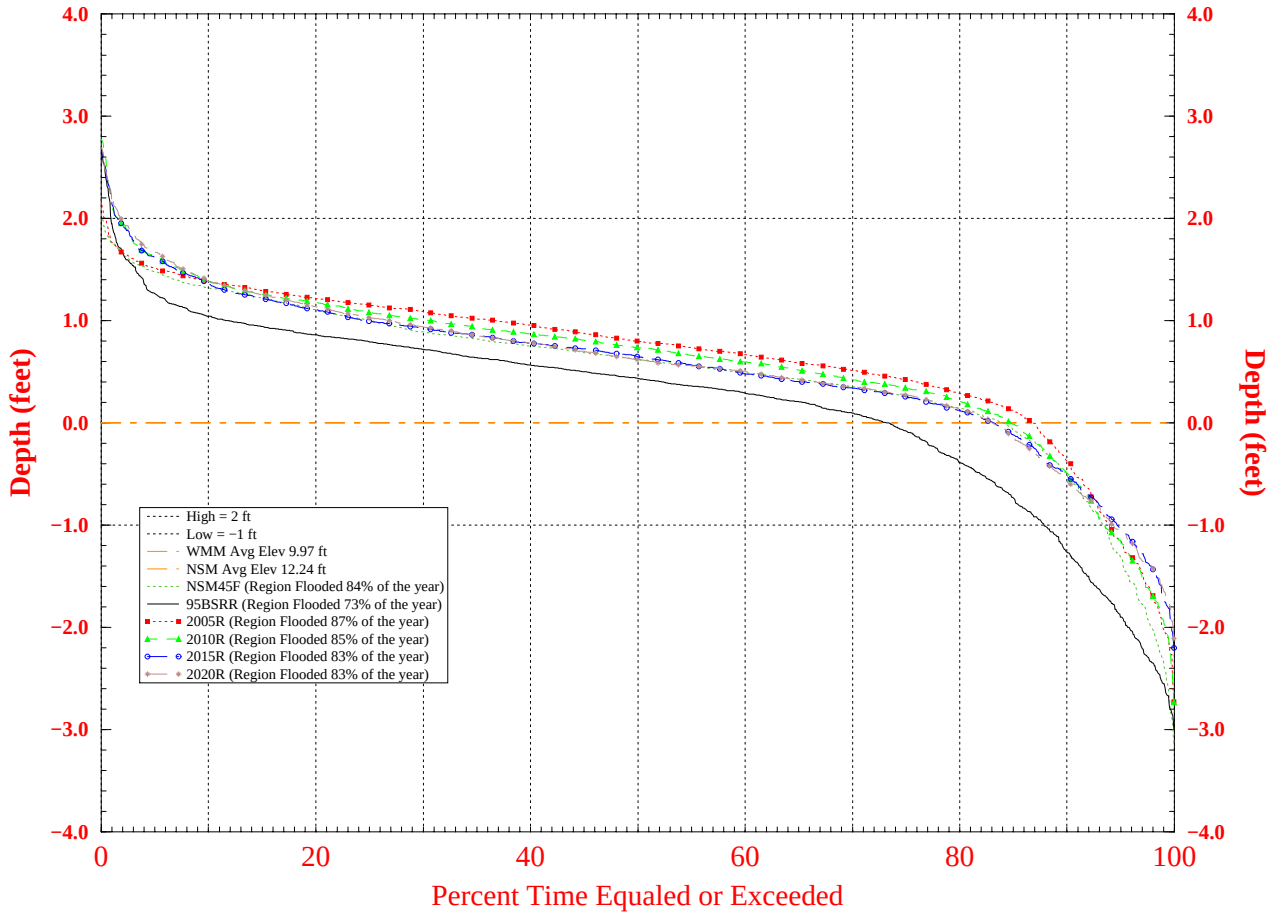


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:03:21 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for NE WCA-3A

Indicator Region 21 (R38C23-24 R39C23-25 R40C22-25)

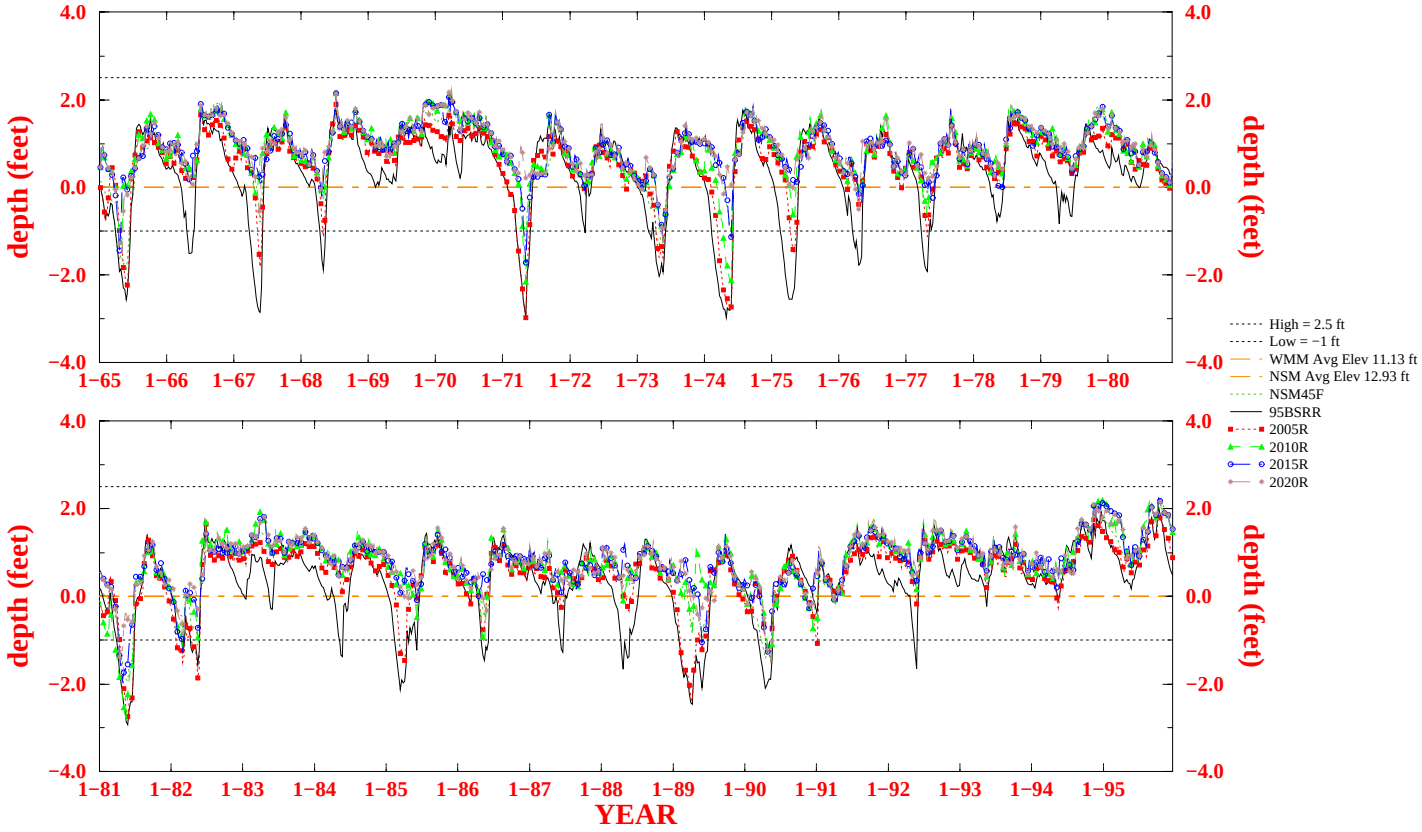


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:03:21 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for NW Corner WCA-3A

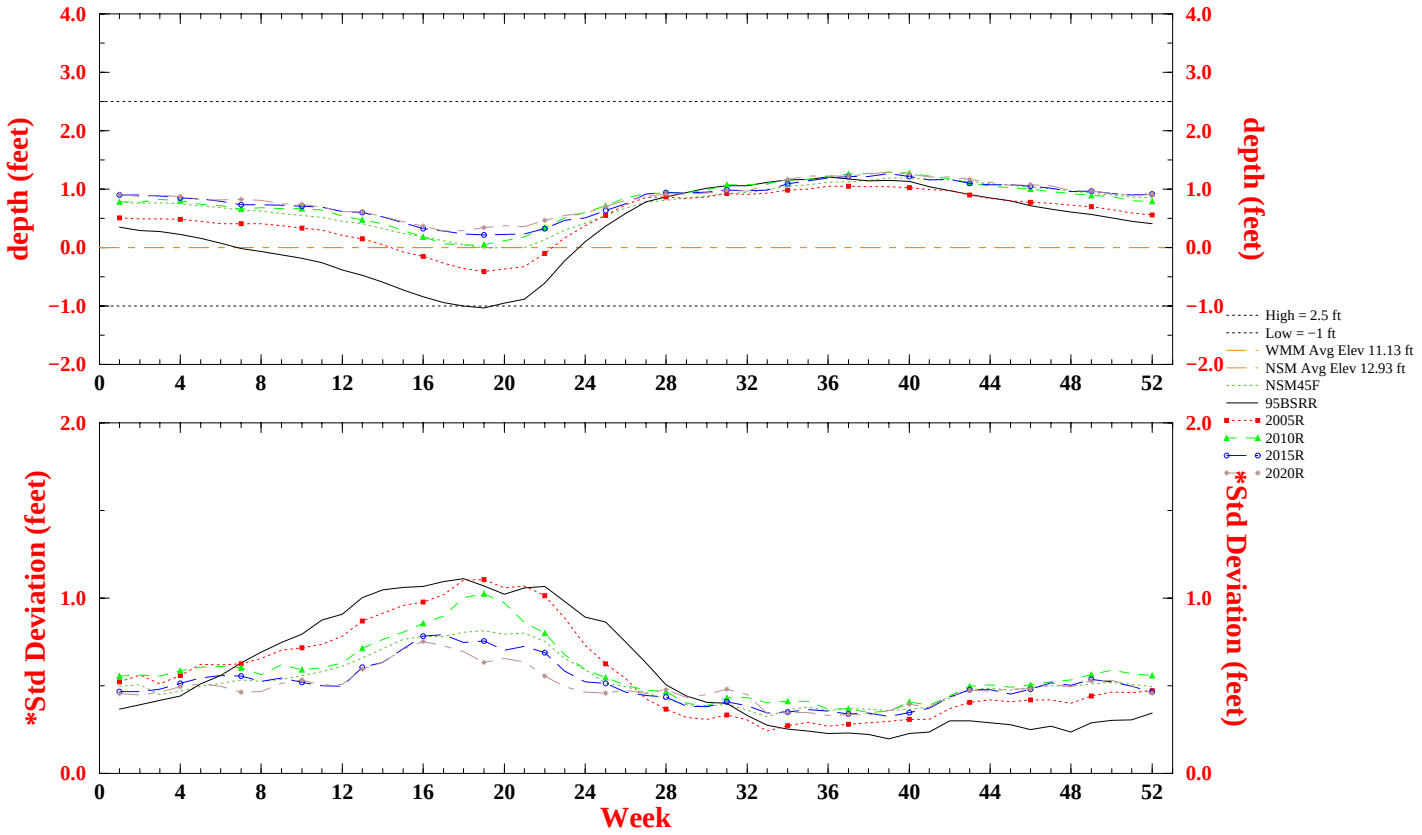
Indicator Region 22 (R39C17-17 R40C17-18 R41C17-17)



Run date: Tue Mar 14 07:03:26 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for NW Corner WCA-3A

Indicator Region 22 (R39C17-17 R40C17-18 R41C17-17)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

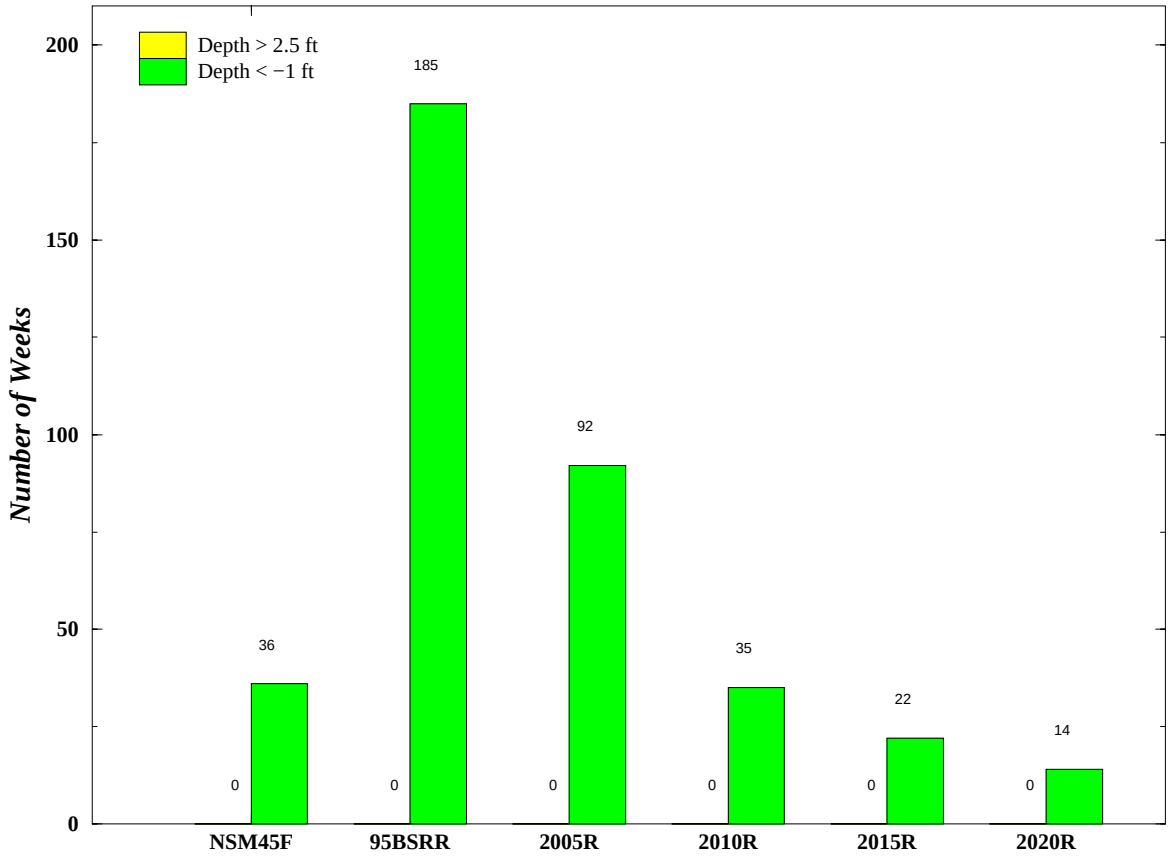
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:03:26 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 22 (R39C17-17 R40C17-18 R41C17-17)

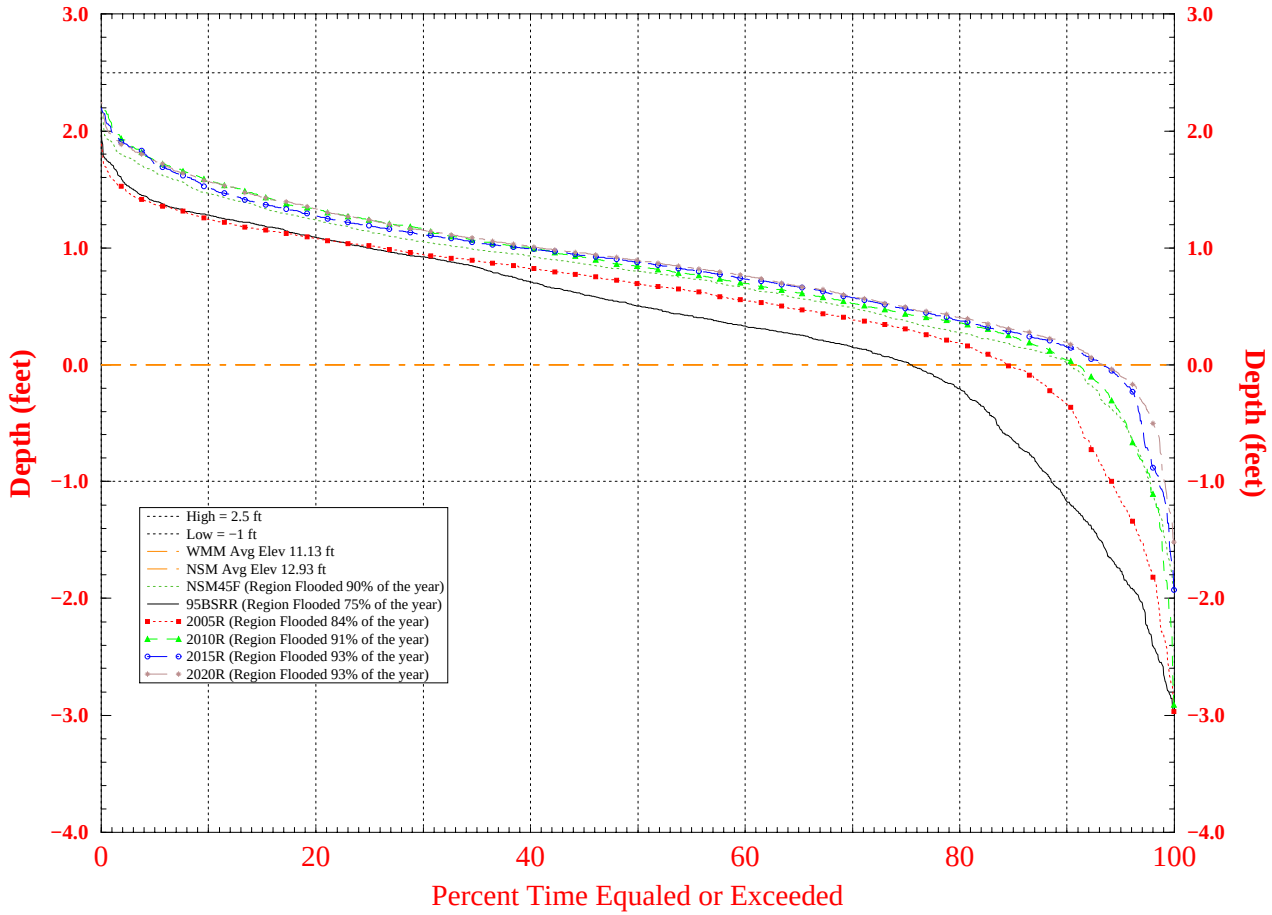


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:03:26 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for NW Corner WCA-3A

Indicator Region 22 (R39C17-17 R40C17-18 R41C17-17)

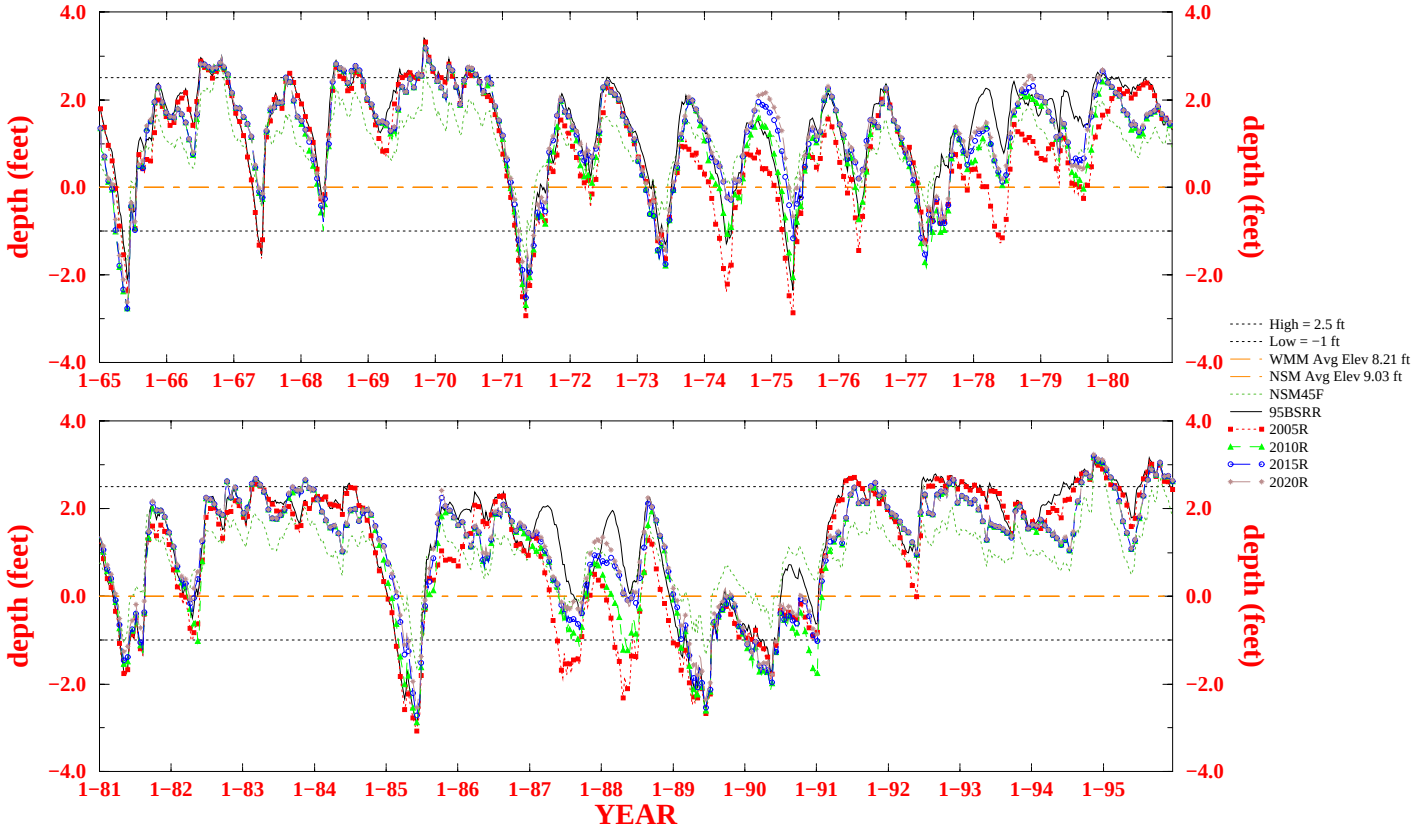


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:03:26 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for WCA-2B

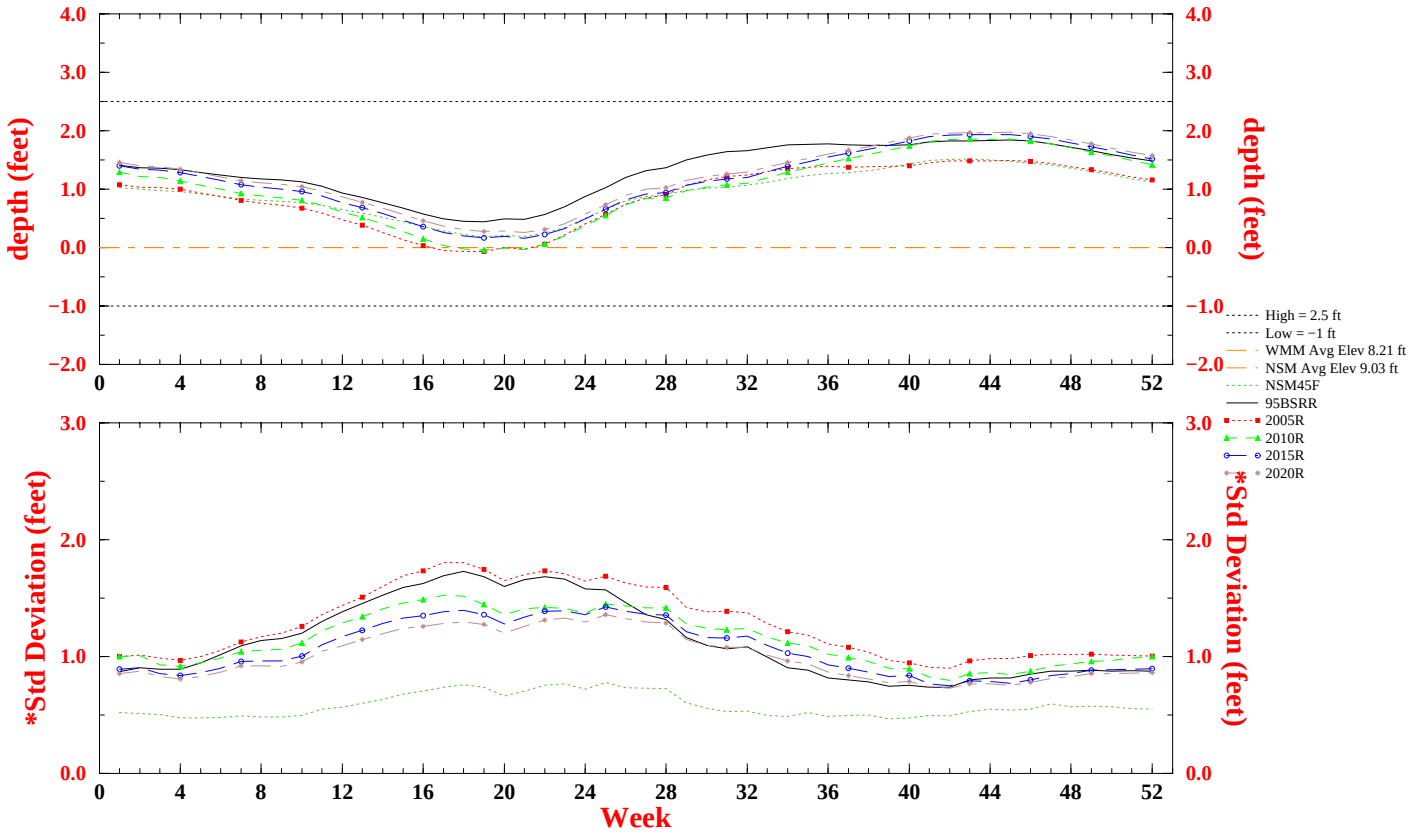
Indicator Region 23 (R36C29-31 R37C30-32)



Run date: Tue Mar 14 07:03:32 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for WCA-2B

Indicator Region 23 (R36C29-31 R37C30-32)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

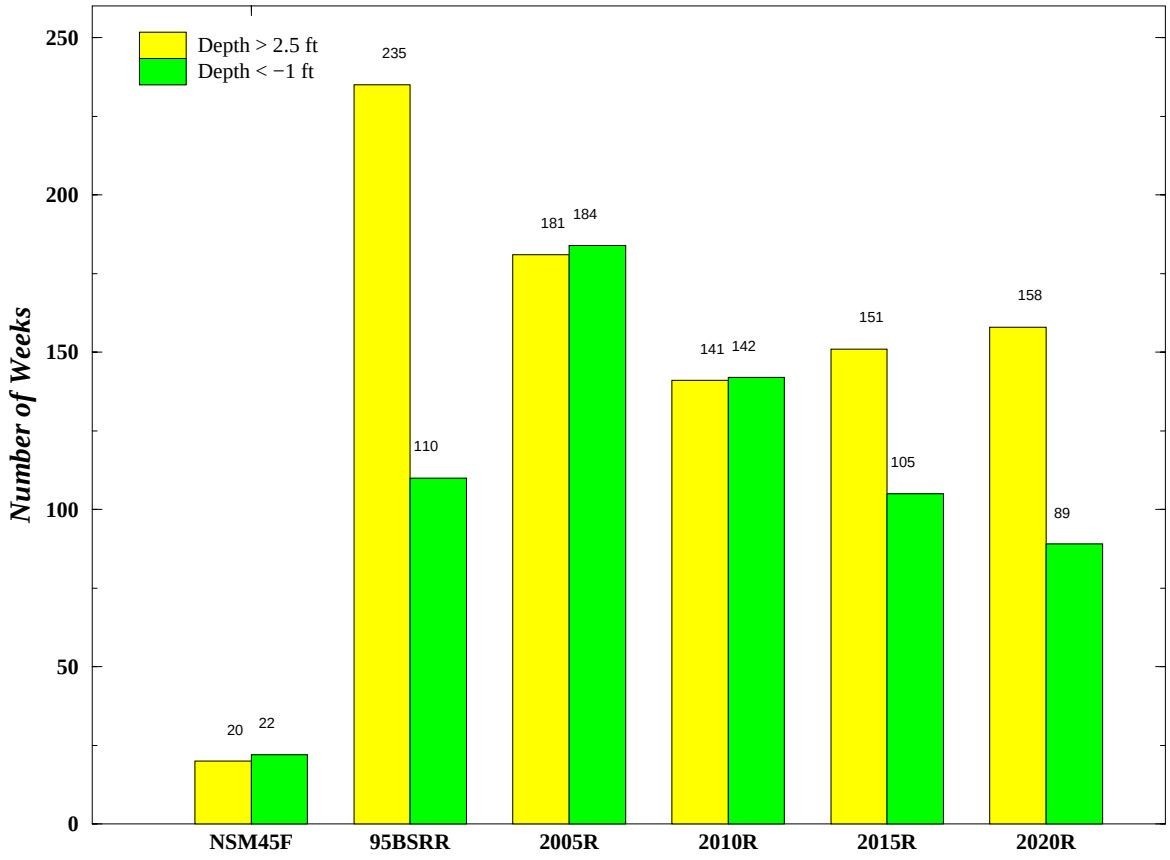
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:03:32 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 23 (R36C29-31 R37C30-32)

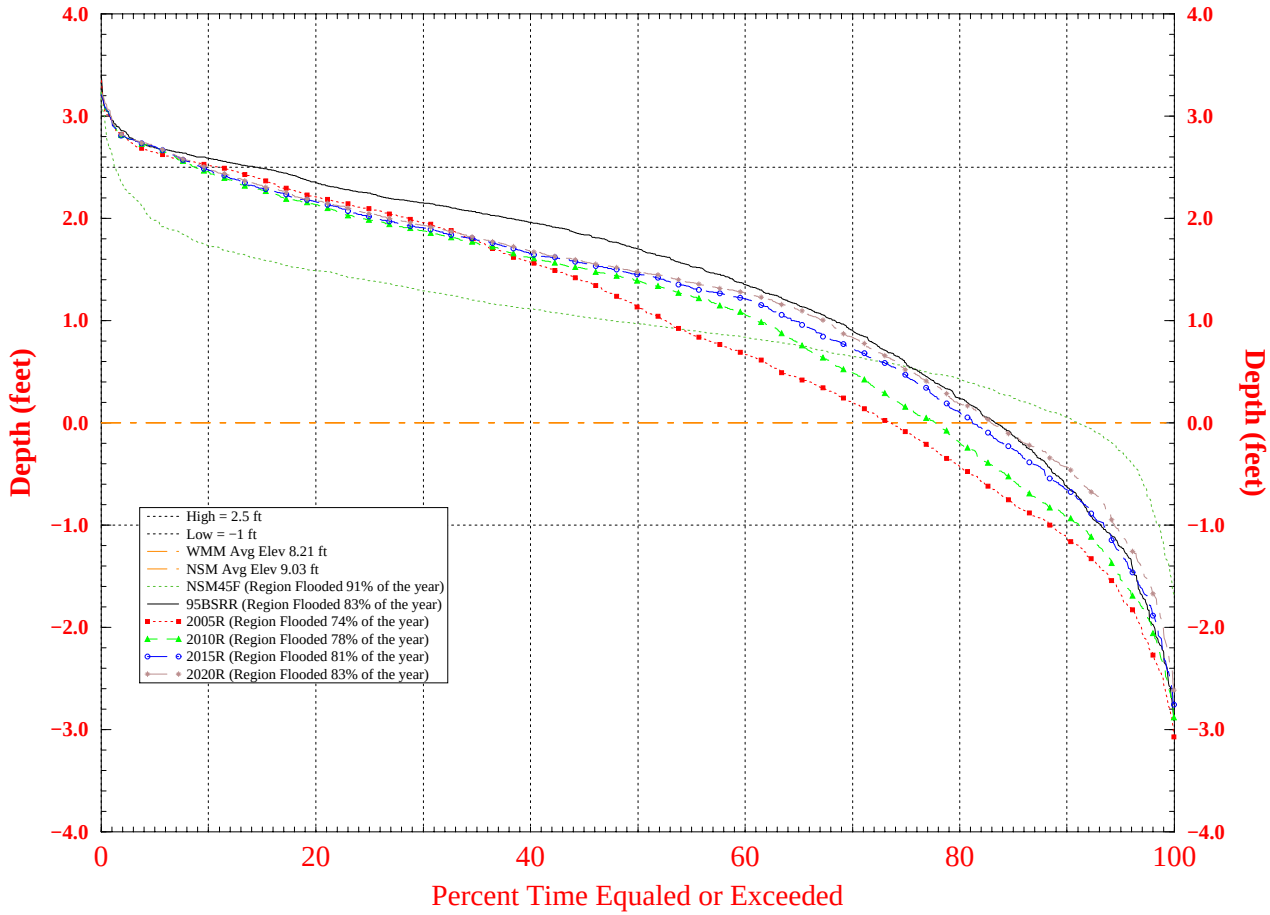


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:03:32 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for WCA-2B

Indicator Region 23 (R36C29-31 R37C30-32)

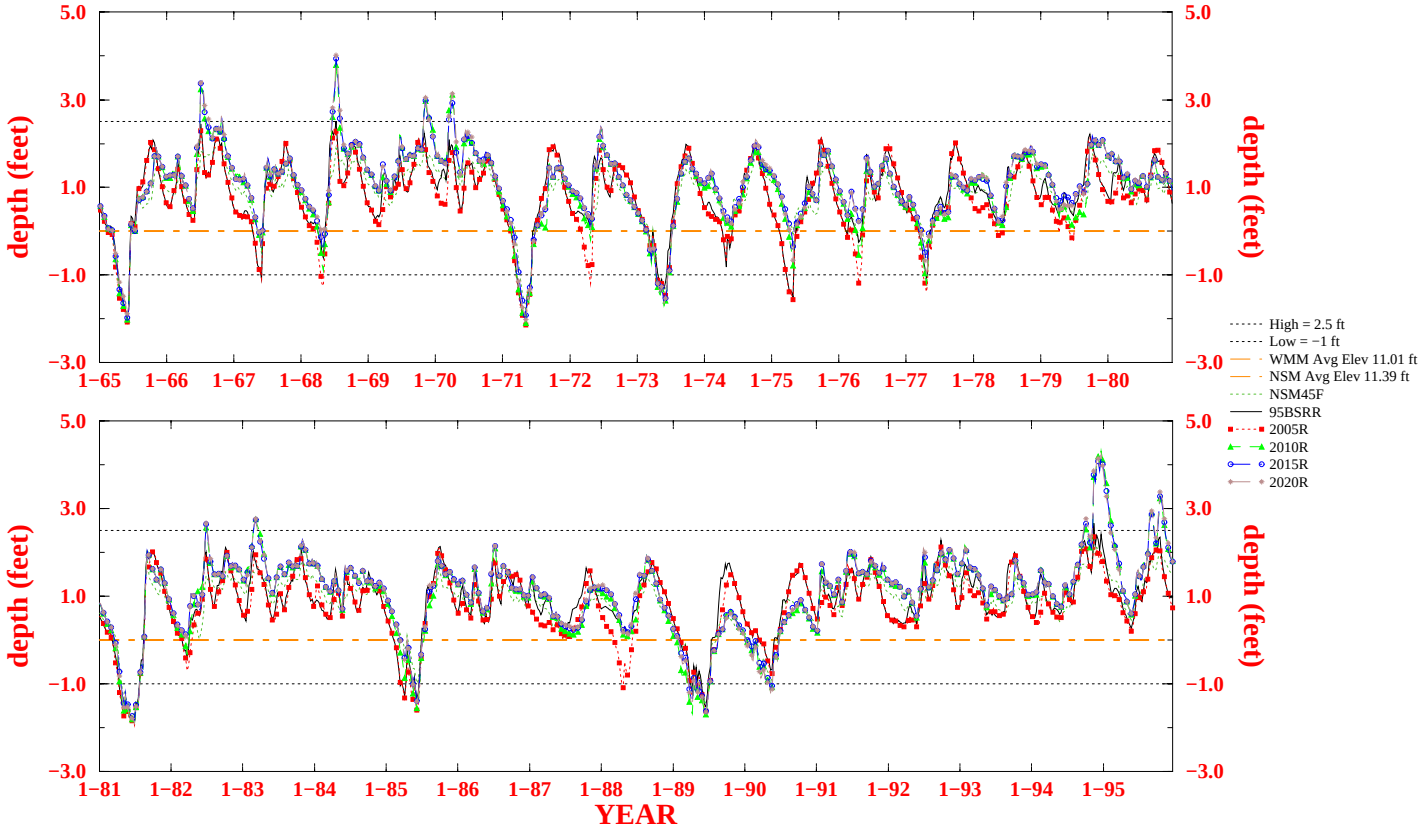


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:03:32 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for South WCA-2A

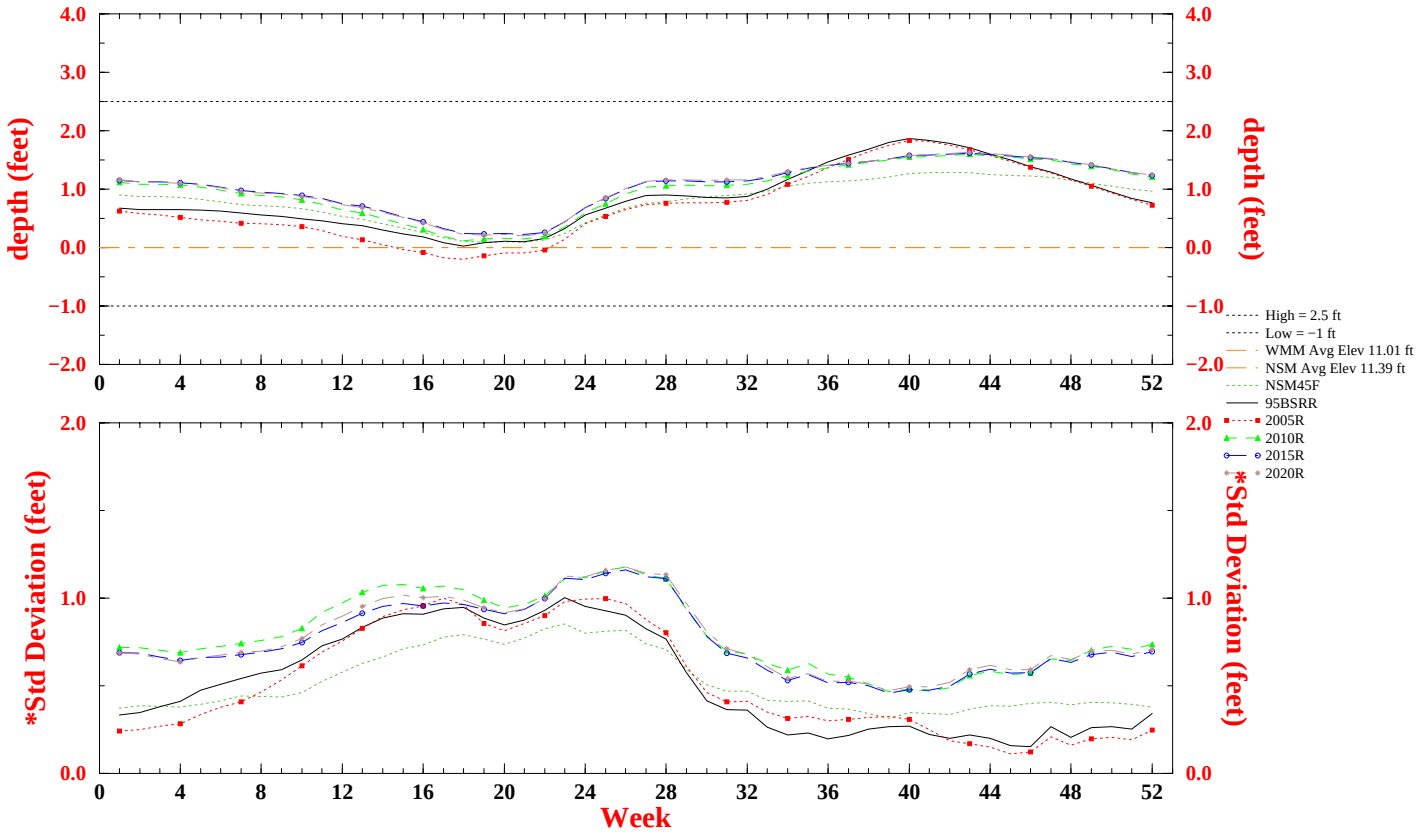
Indicator Region 24 (R39C29-31 R40C28-31 R41C28-28)



Run date: Tue Mar 14 07:03:38 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for South WCA-2A

Indicator Region 24 (R39C29-31 R40C28-31 R41C28-28)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

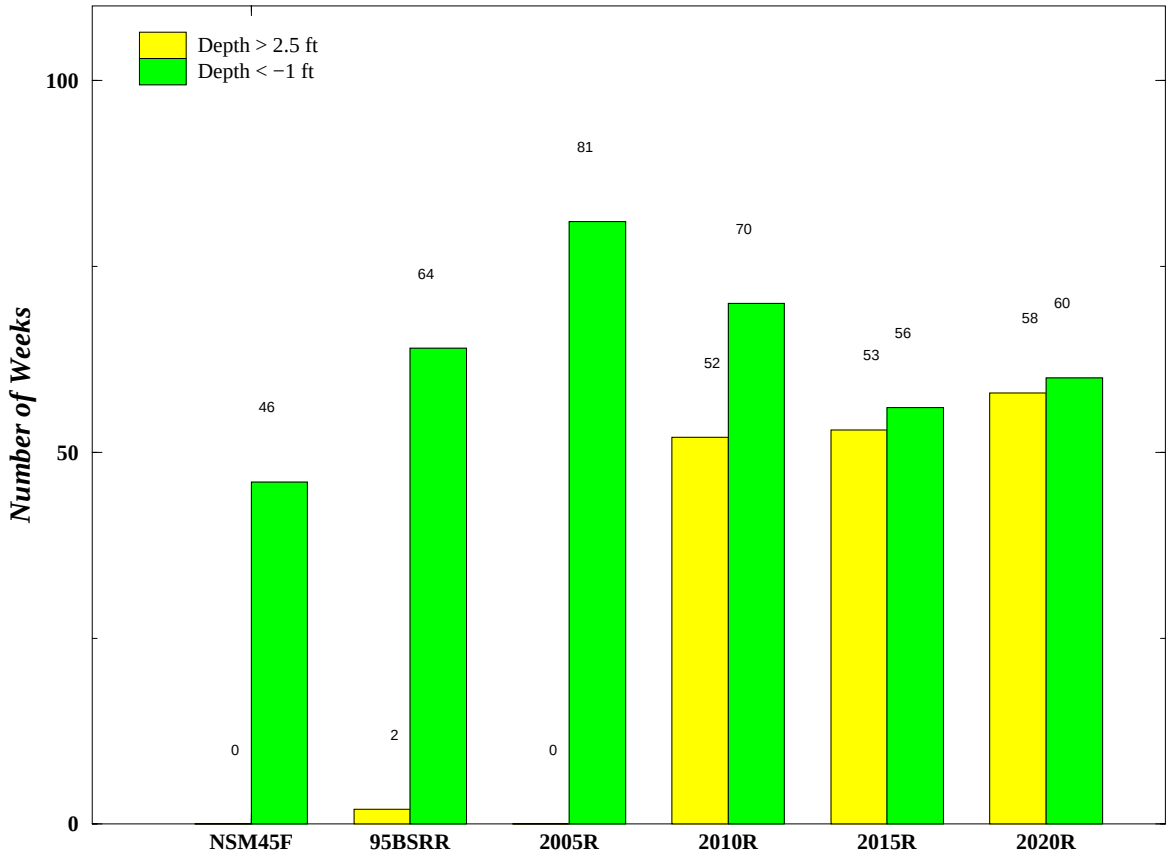
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:03:38 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 24 (R39C29-31 R40C28-31 R41C28-28)

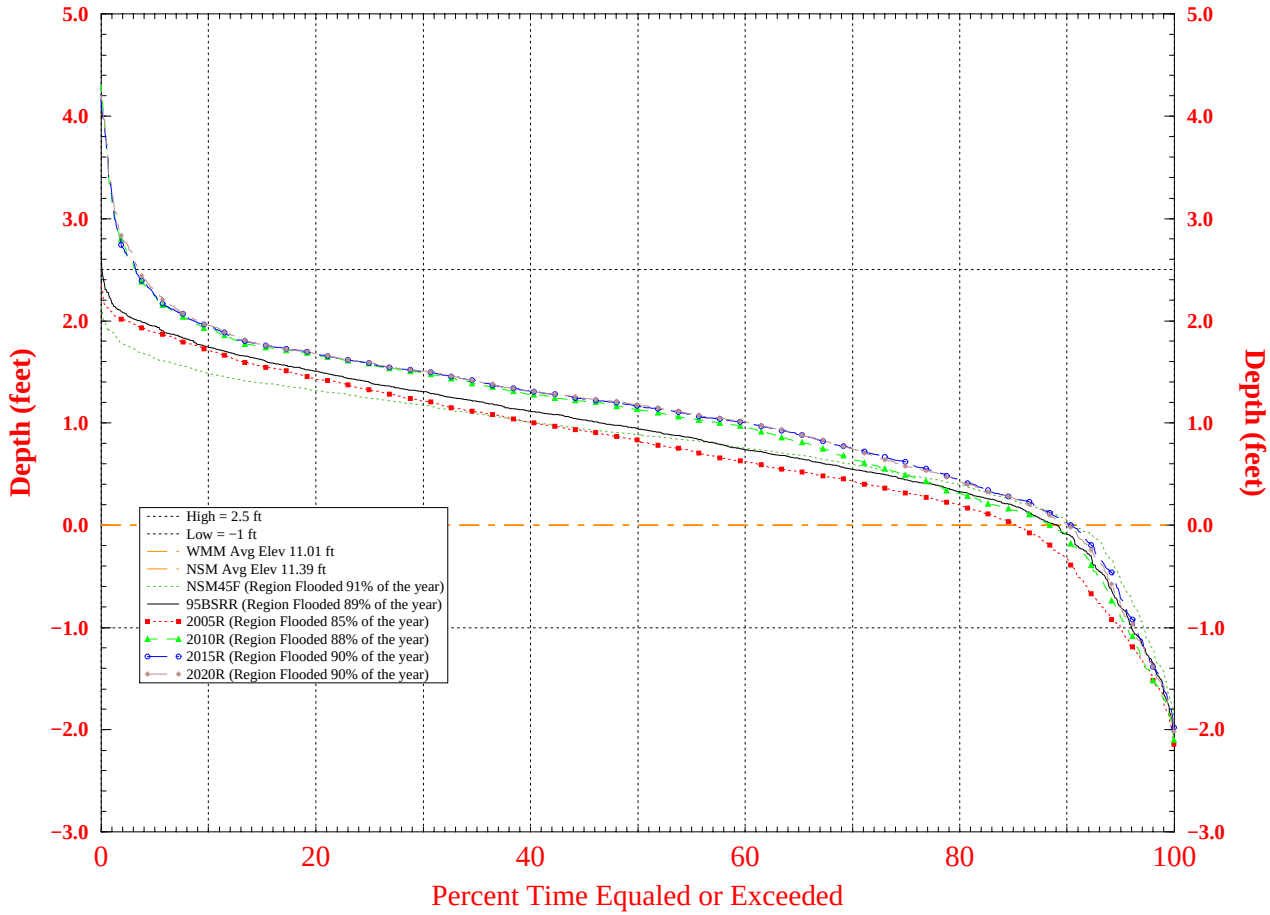


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:03:38 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for South WCA-2A

Indicator Region 24 (R39C29-31 R40C28-31 R41C28-28)

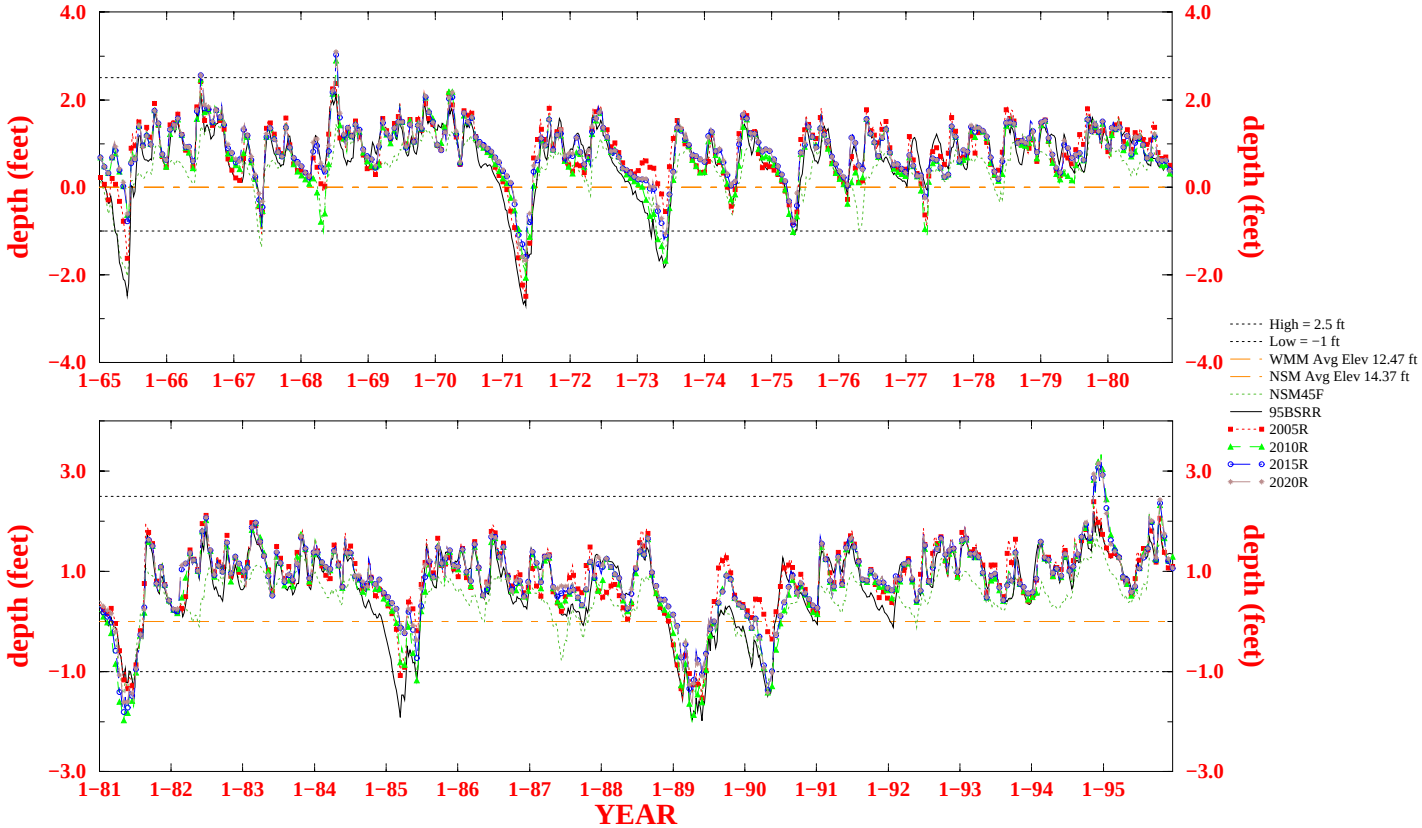


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:03:38 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for North WCA-2A

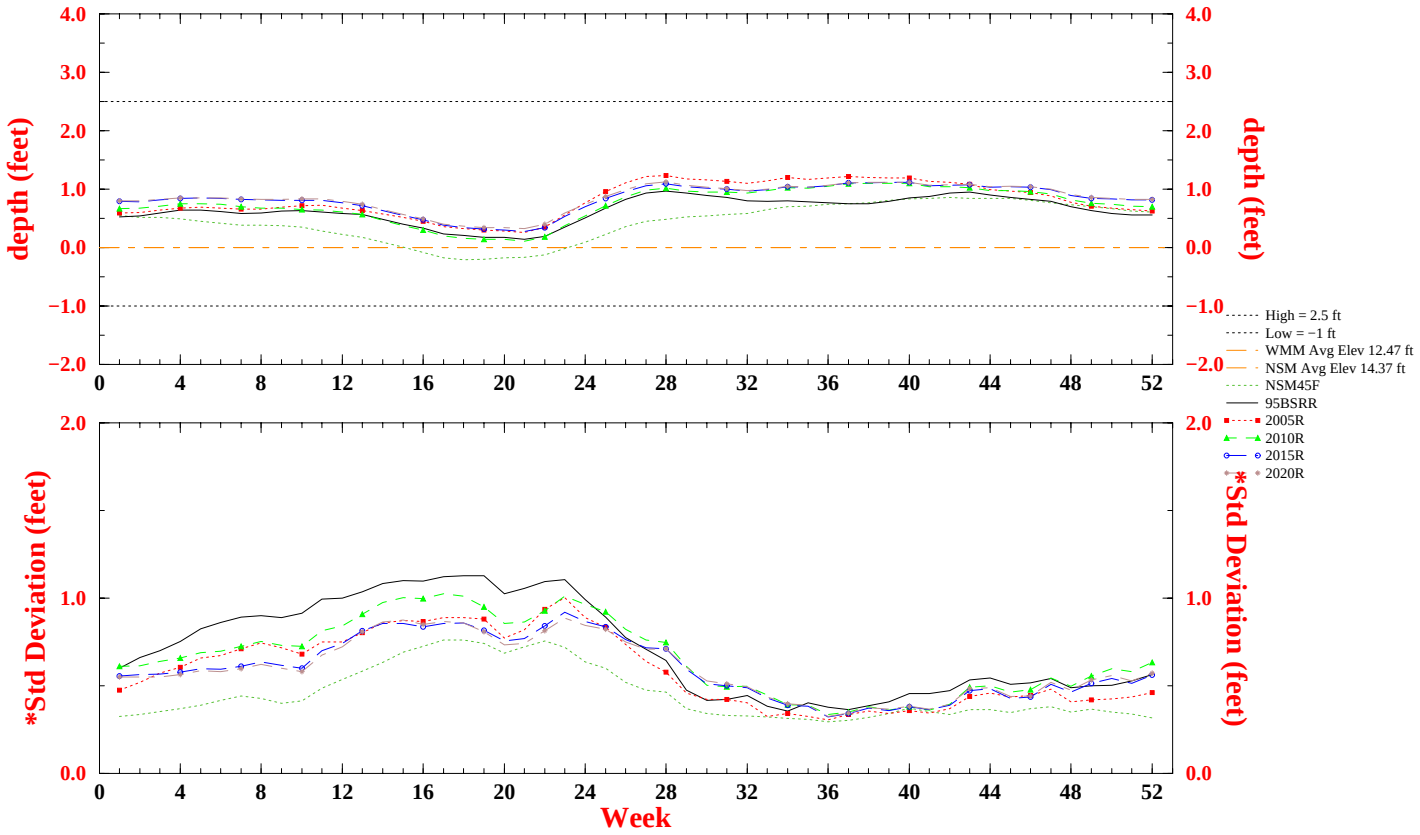
Indicator Region 25 (R43C27-28 R44C27-29 R45C28-28)



Run date: Tue Mar 14 07:03:44 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for North WCA-2A

Indicator Region 25 (R43C27-28 R44C27-29 R45C28-28)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

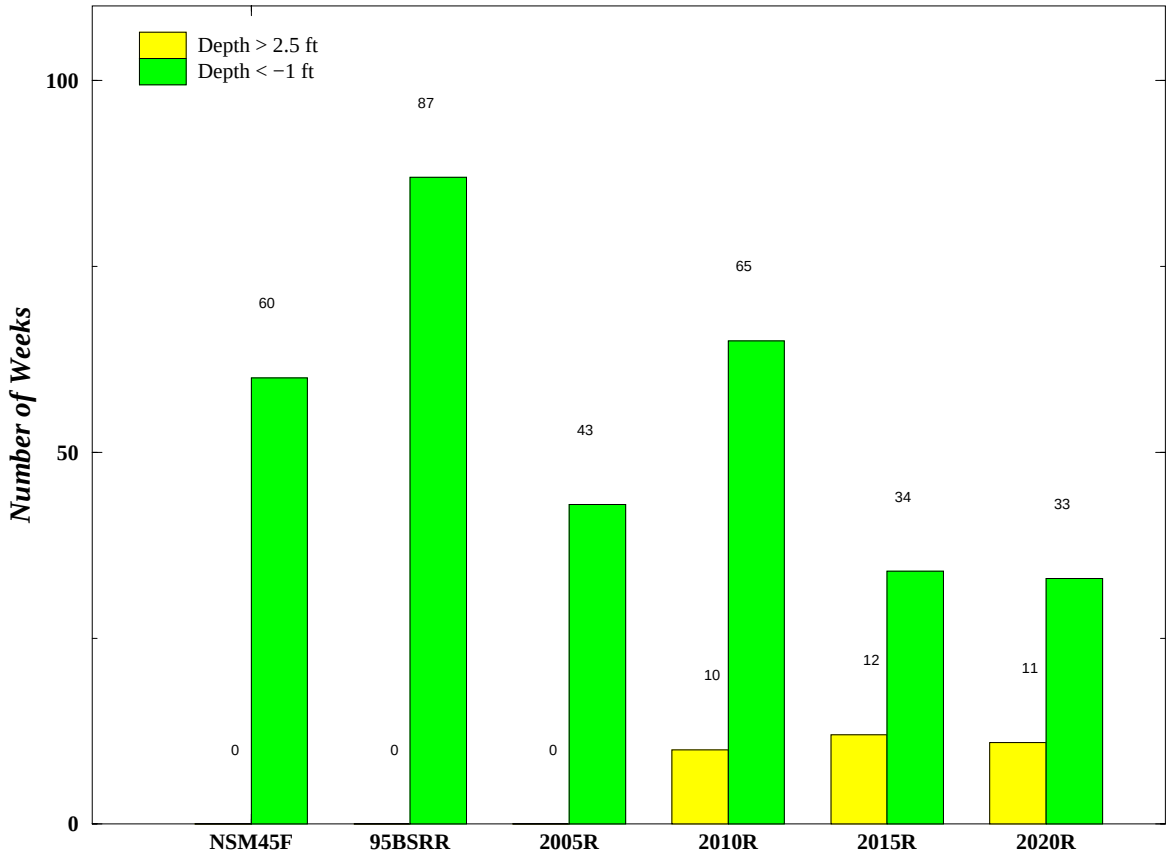
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:03:44 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 25 (R43C27-28 R44C27-29 R45C28-28)

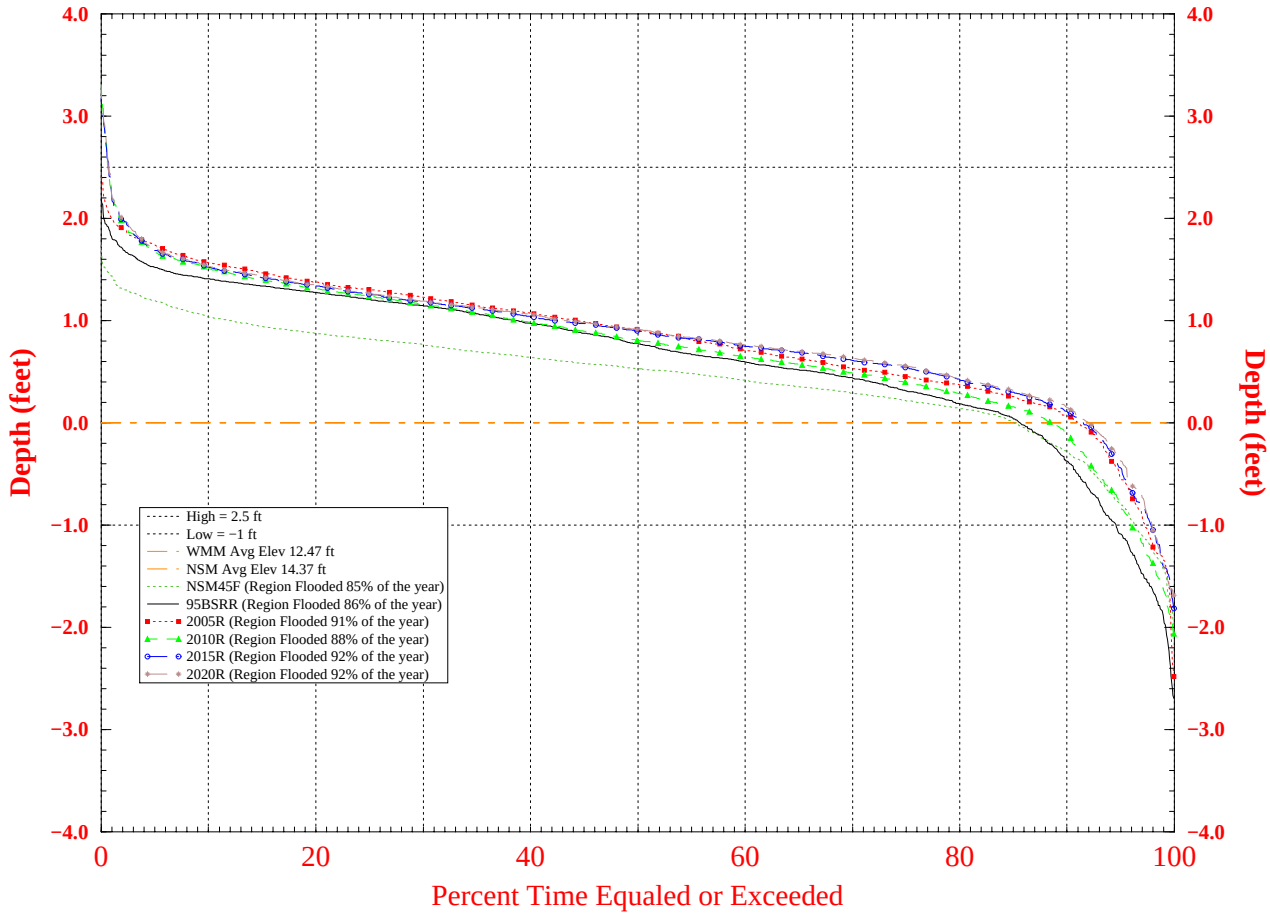


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:03:44 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for North WCA-2A

Indicator Region 25 (R43C27-28 R44C27-29 R45C28-28)

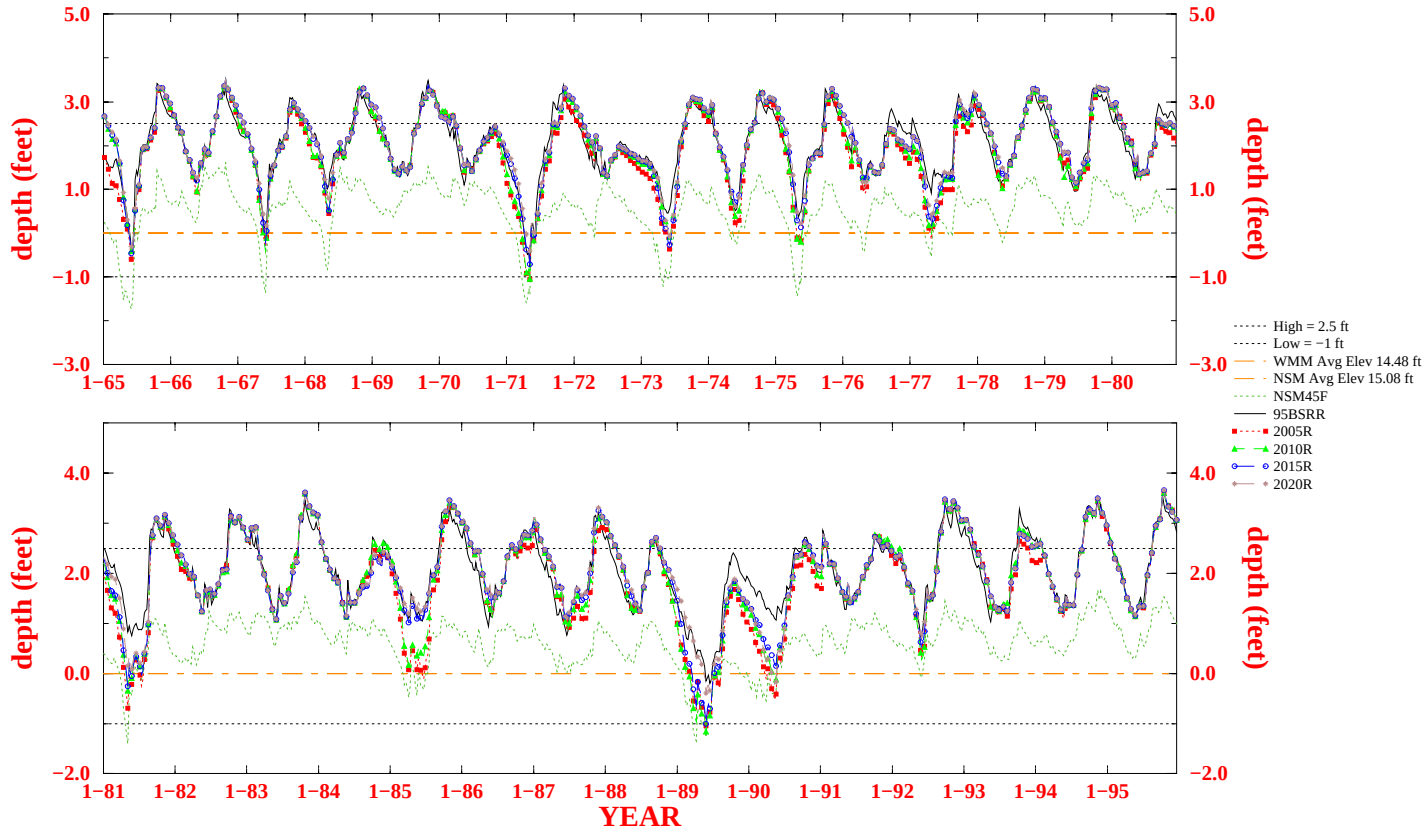


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:03:44 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for South LNWR (WCA-1)

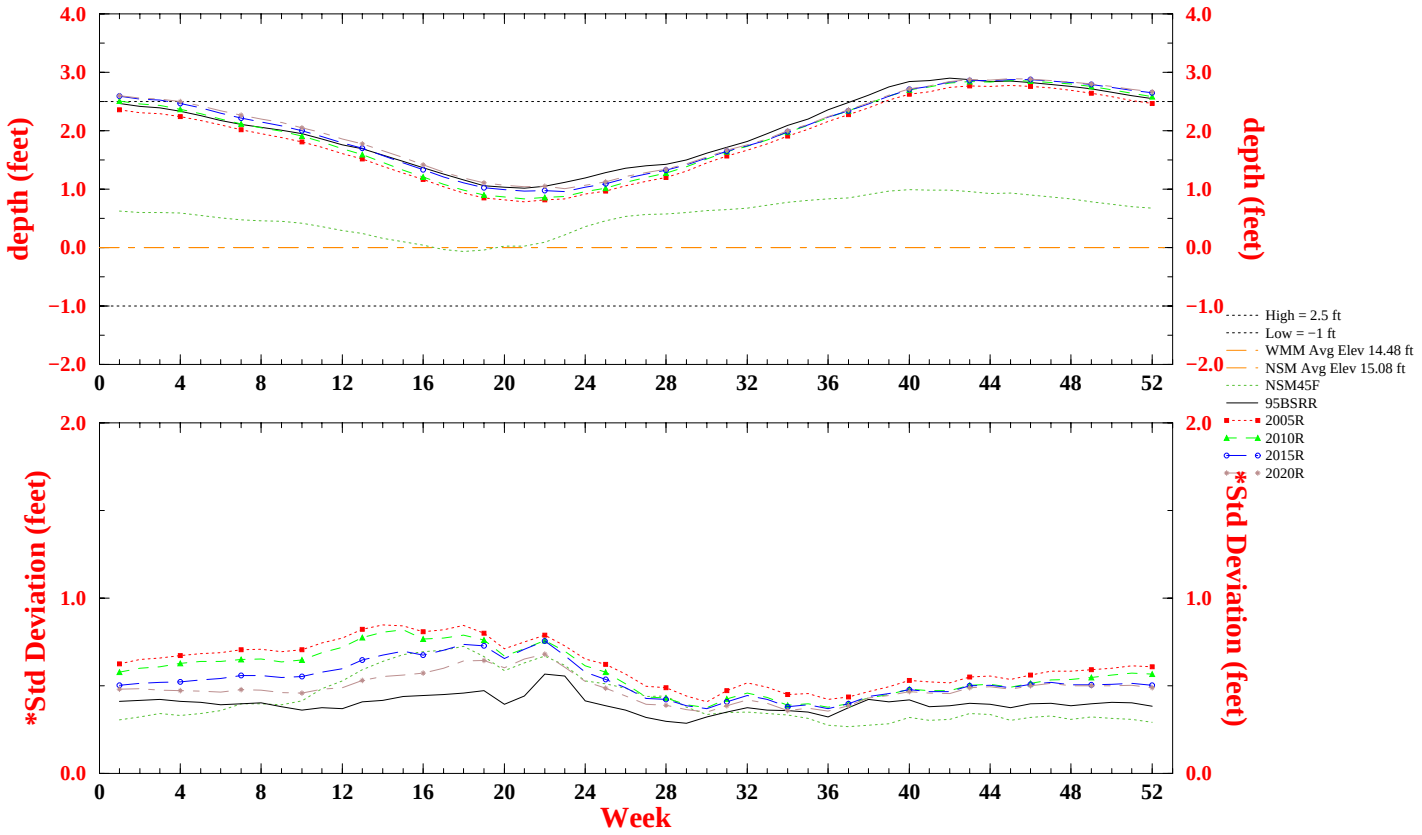
Indicator Region 26 (R44C31-34 R45C30-34)



Run date: Tue Mar 14 07:03:50 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for South LNWR (WCA-1)

Indicator Region 26 (R44C31-34 R45C30-34)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

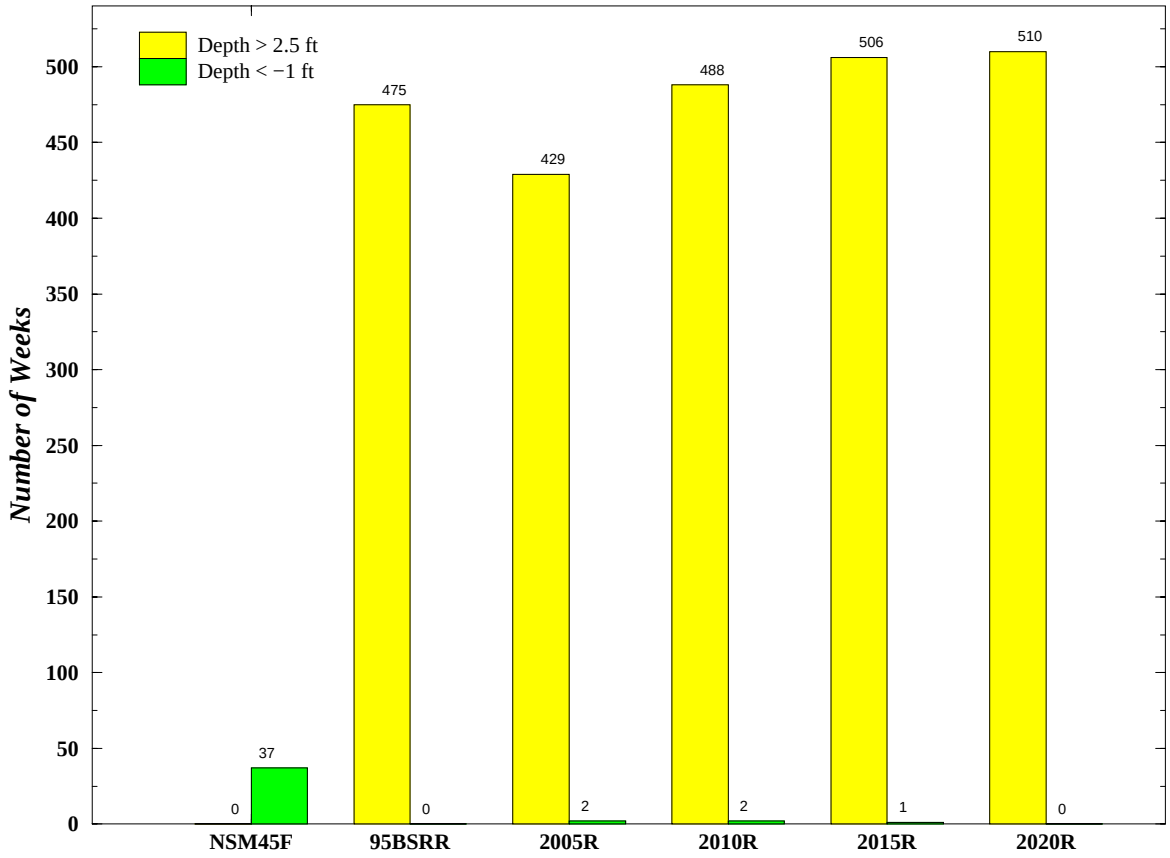
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:03:50 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 26 (R44C31-34 R45C30-34)

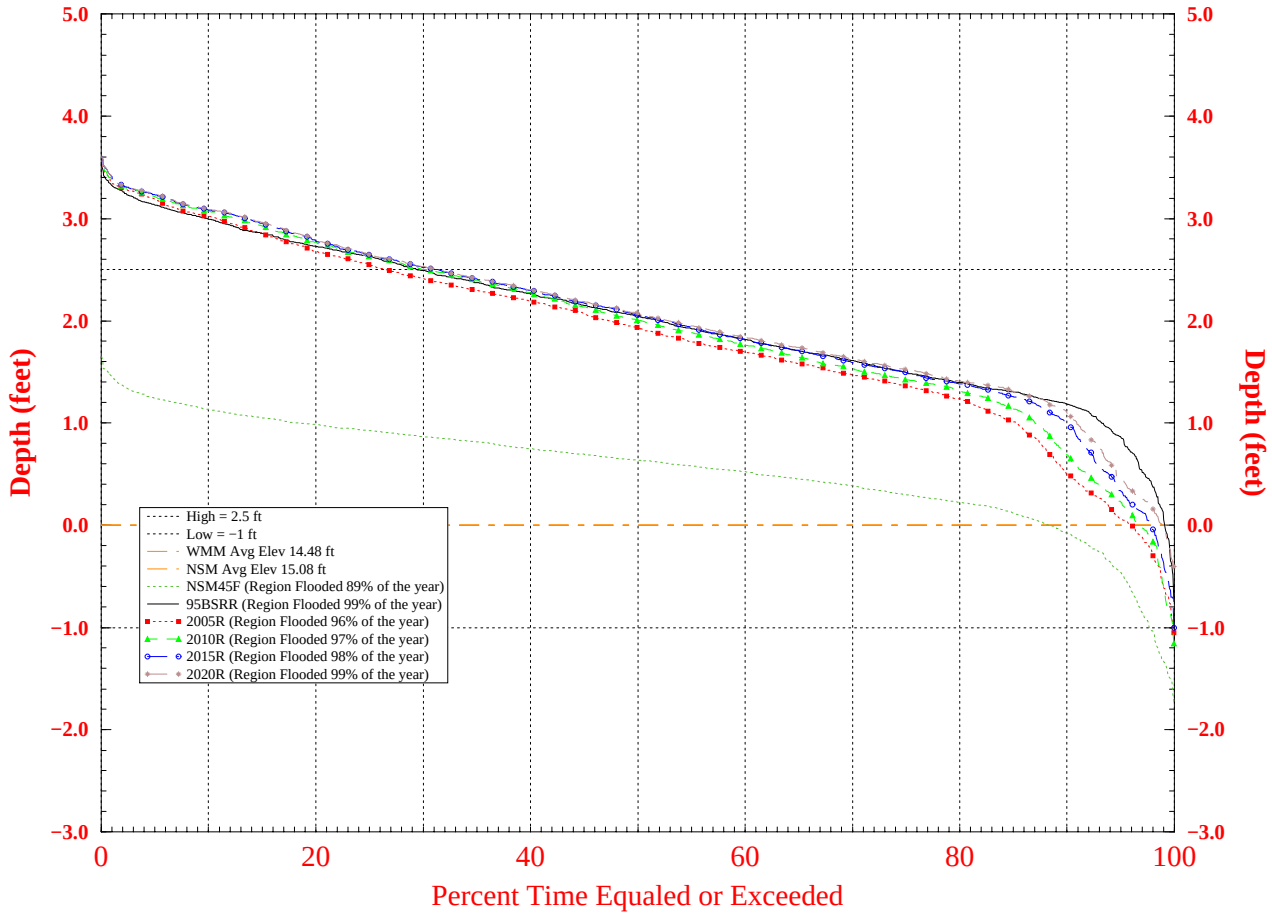


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:03:50 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for South LNWR (WCA-1)

Indicator Region 26 (R44C31-34 R45C30-34)

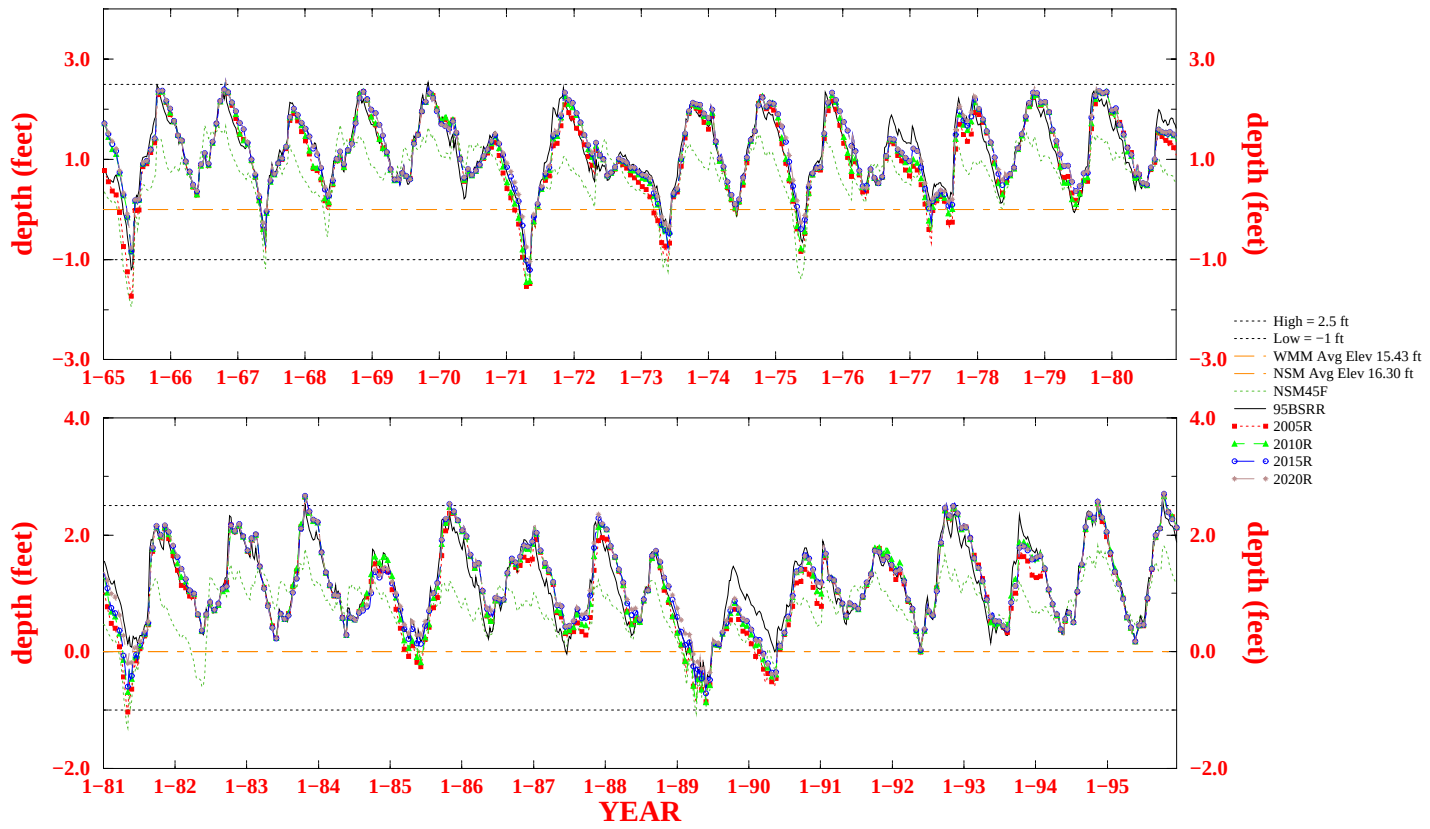


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:03:51 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for North LNWR (WCA-1)

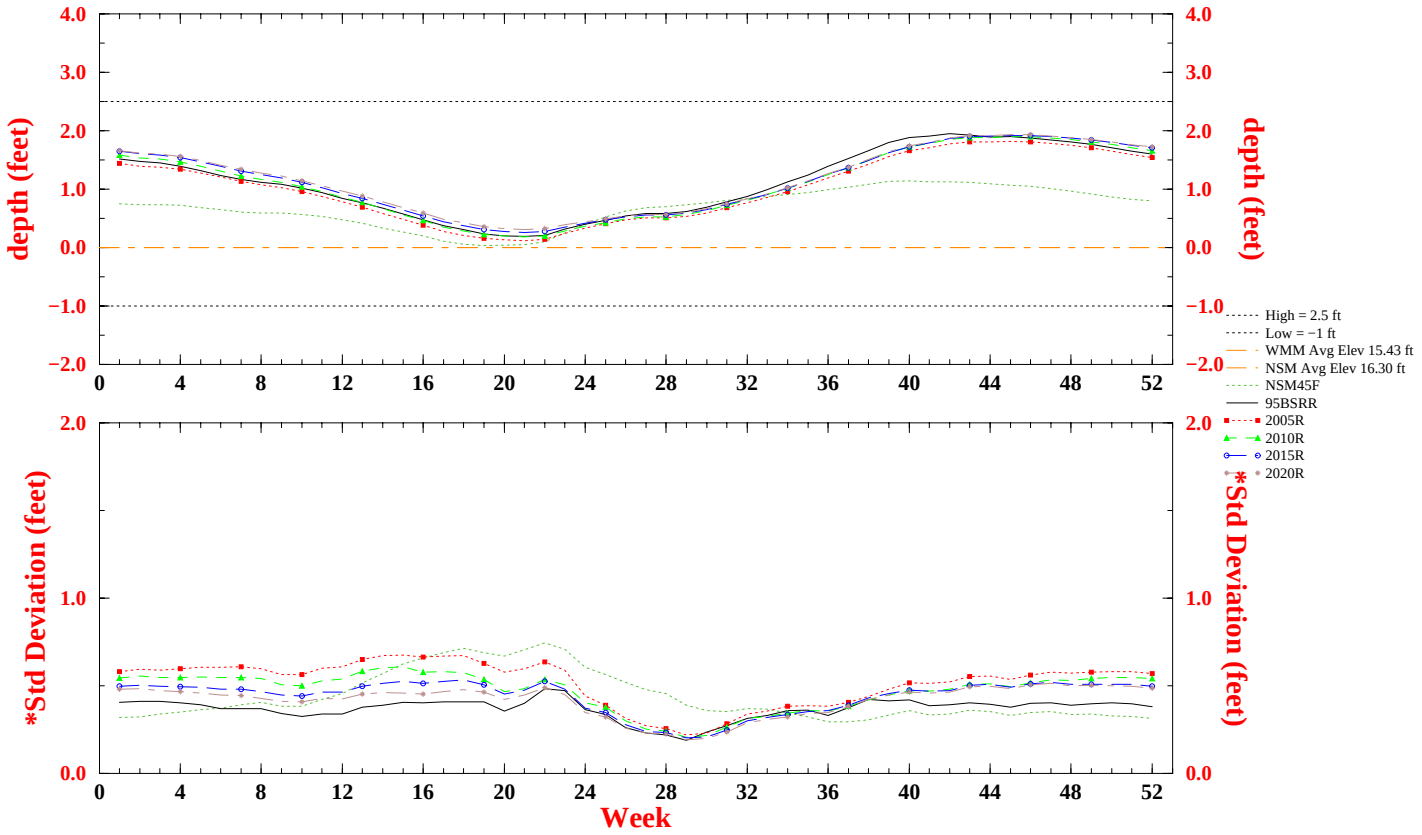
Indicator Region 27 (R47C30-34 R48C30-33 R49C30-33 R50C30-32 R51C30-31)



Run date: Tue Mar 14 07:04:01 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for North LNWR (WCA-1)

Indicator Region 27 (R47C30-34 R48C30-33 R49C30-33 R50C30-32 R51C30-31)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

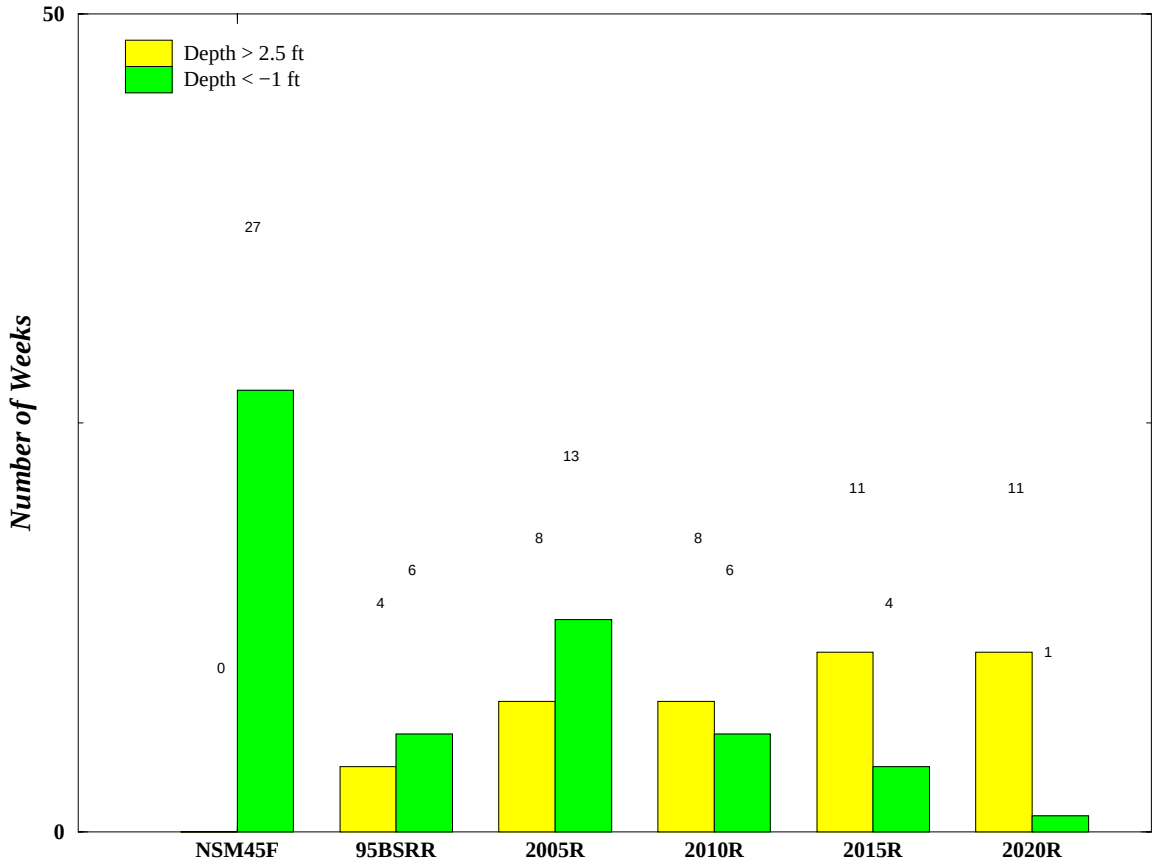
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:04:01 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 27 (R47C30-34 R48C30-33 R49C30-33 R50C30-32 R51C30-31)

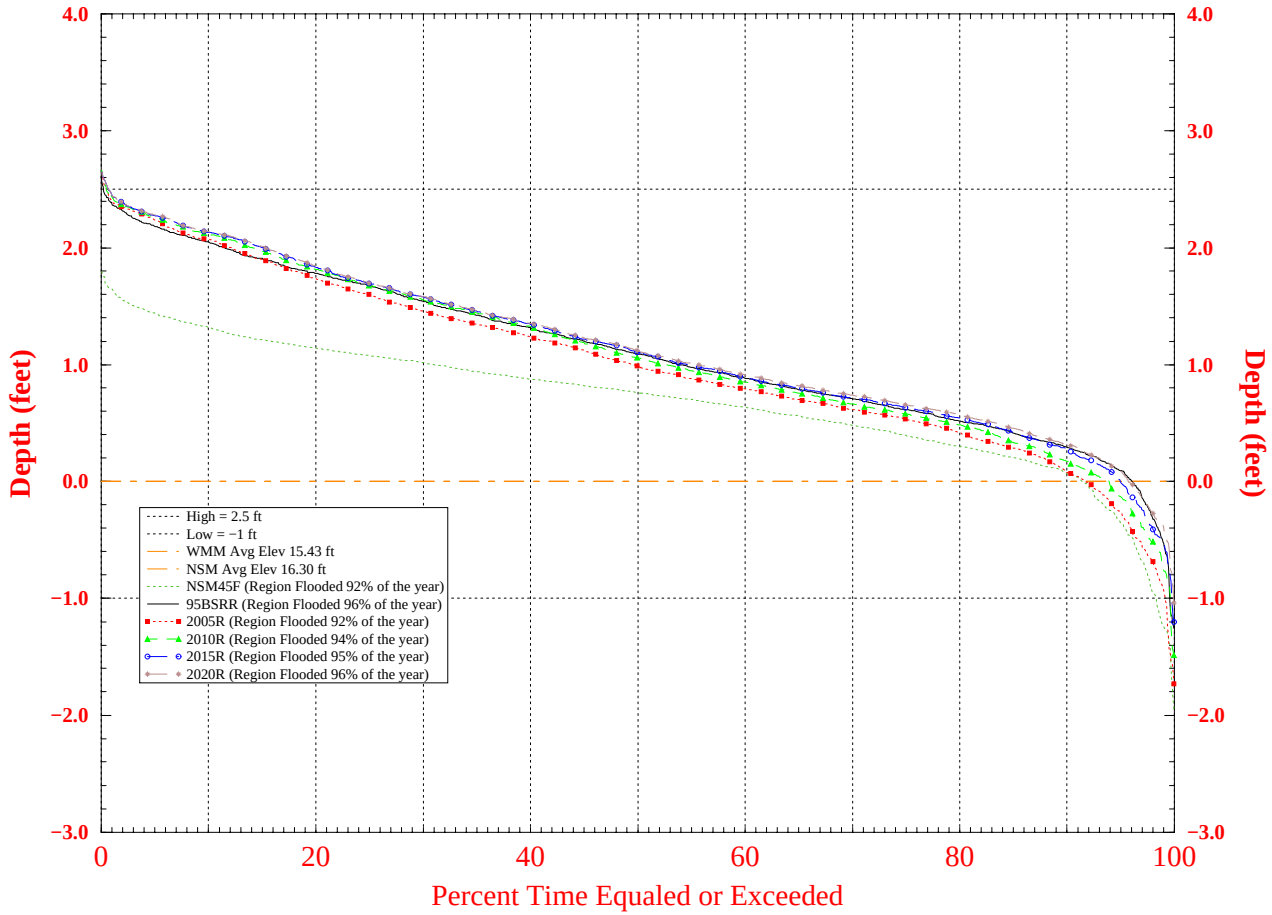


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:04:01 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for North LNWR (WCA-1)

Indicator Region 27 (R47C30-34 R48C30-33 R49C30-33 R50C30-32 R51C30-31)

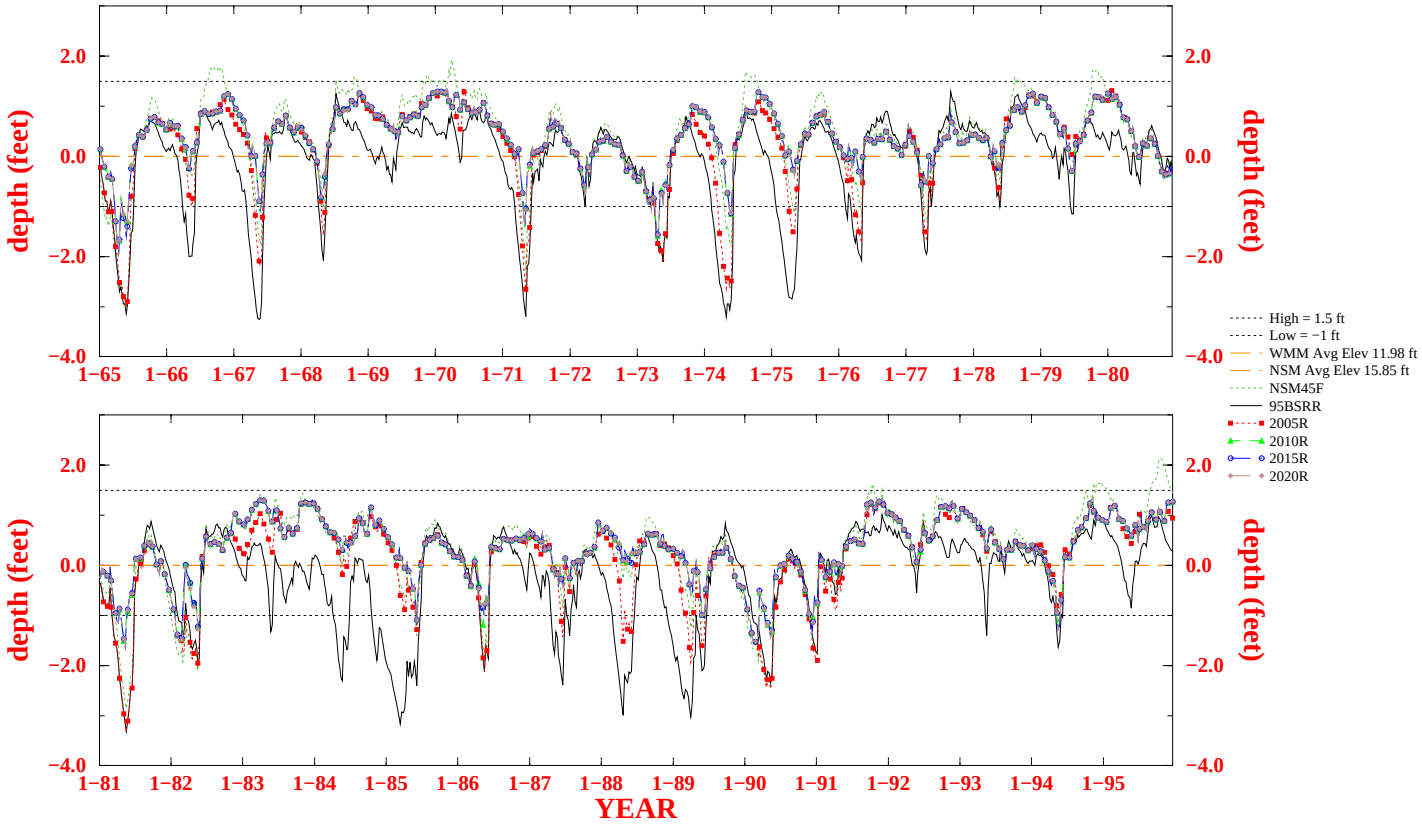


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:04:01 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for Rotenberger WMA

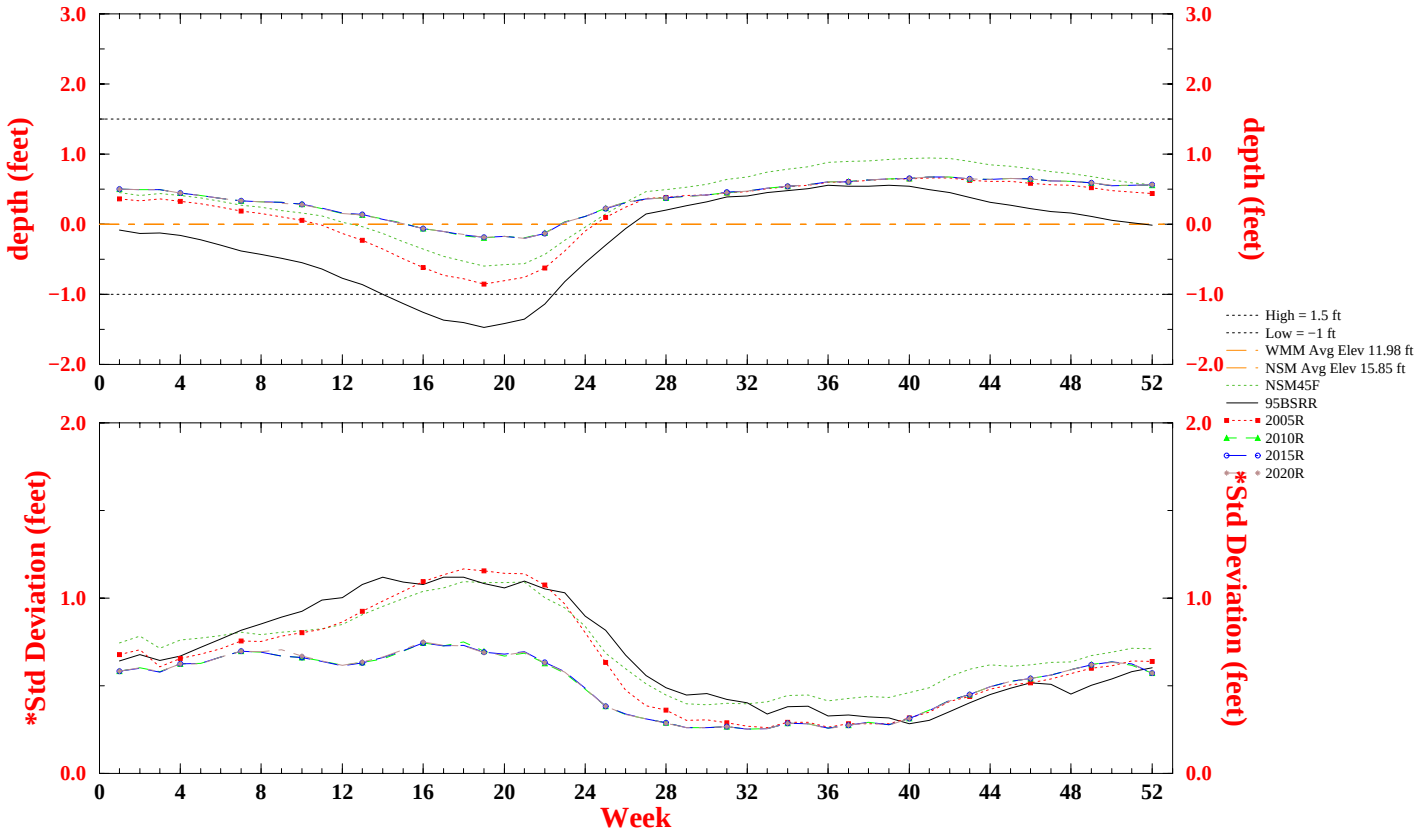
Indicator Region 28 (R43C15-16 R44C15-16 R45C15-16)



Run date: Tue Mar 14 07:04:07 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for Rotenberger WMA

Indicator Region 28 (R43C15-16 R44C15-16 R45C15-16)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

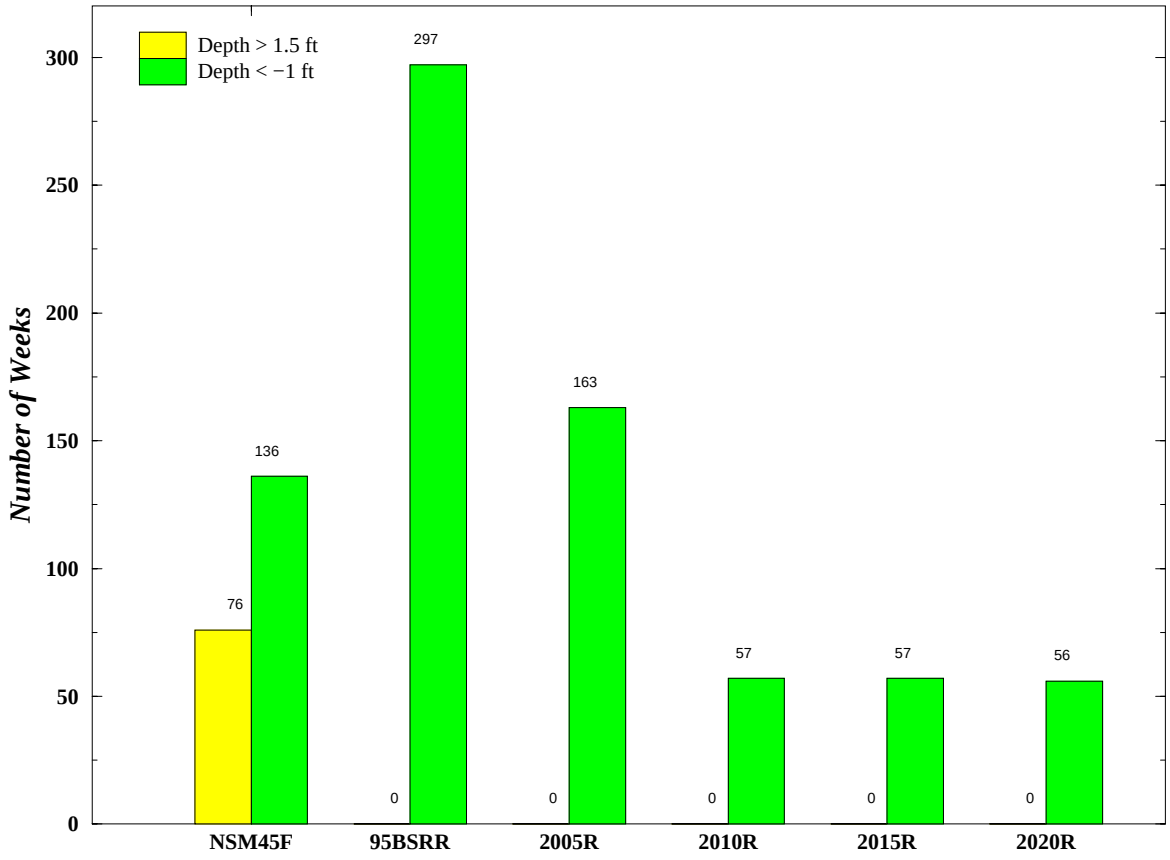
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:04:07 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 28 (R43C15-16 R44C15-16 R45C15-16)

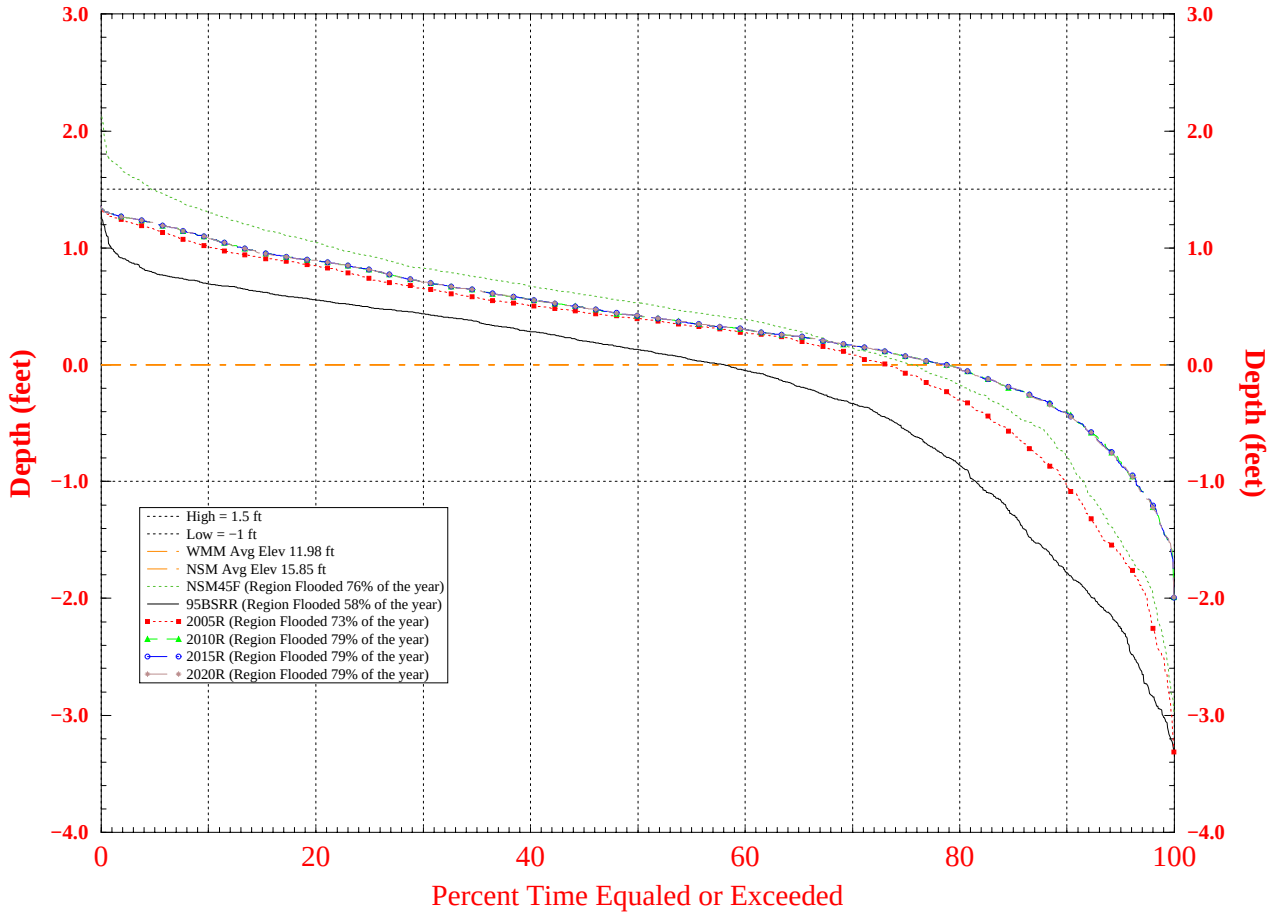


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:04:07 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for Rotenberger WMA

Indicator Region 28 (R43C15-16 R44C15-16 R45C15-16)

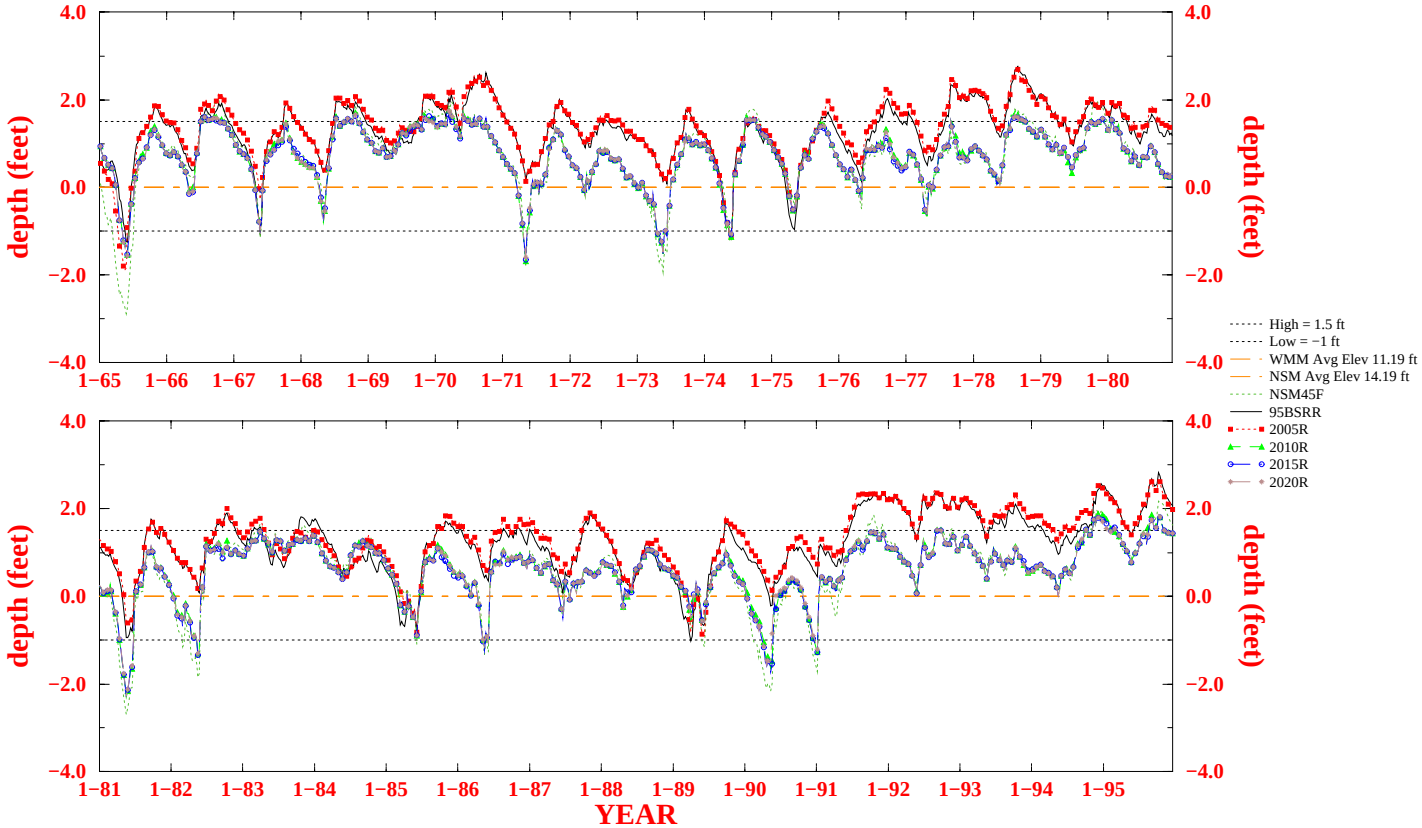


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

Run date: Tue Mar 14 07:04:07 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Hydrograph for Holey Land WMA

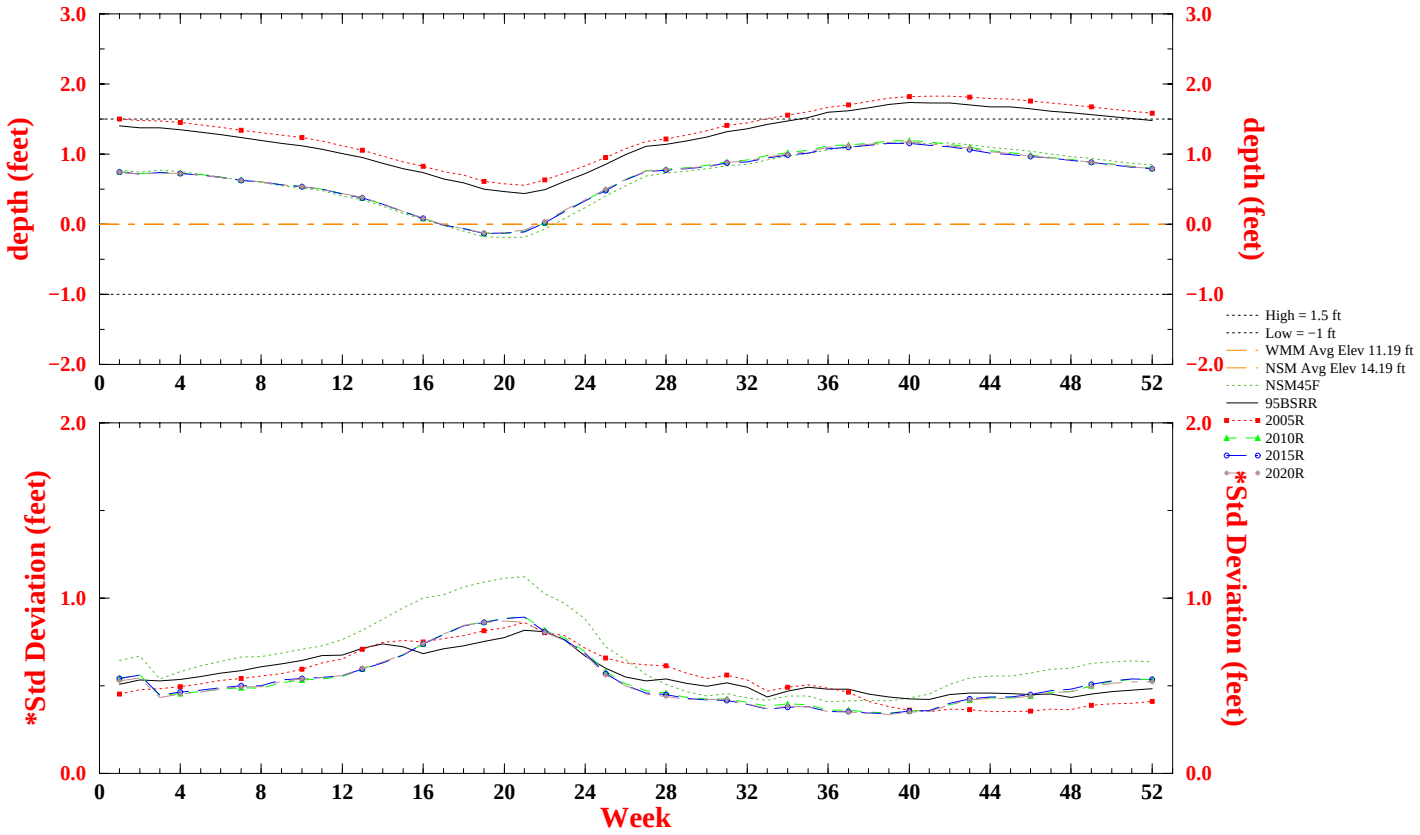
Indicator Region 29 (R42C19-20 R43C18-20 R44C18-19)



Run date: Tue Mar 14 07:04:13 EST 2000
For Planning Purposes Only
SFWMM V3.4

Temporal Variation in Mean Weekly Stage for Holey Land WMA

Indicator Region 29 (R42C19-20 R43C18-20 R44C18-19)



WEEK 1 STARTS JAN 1

Depth and elev are weekly means for the indicator region for a 31 year simulation

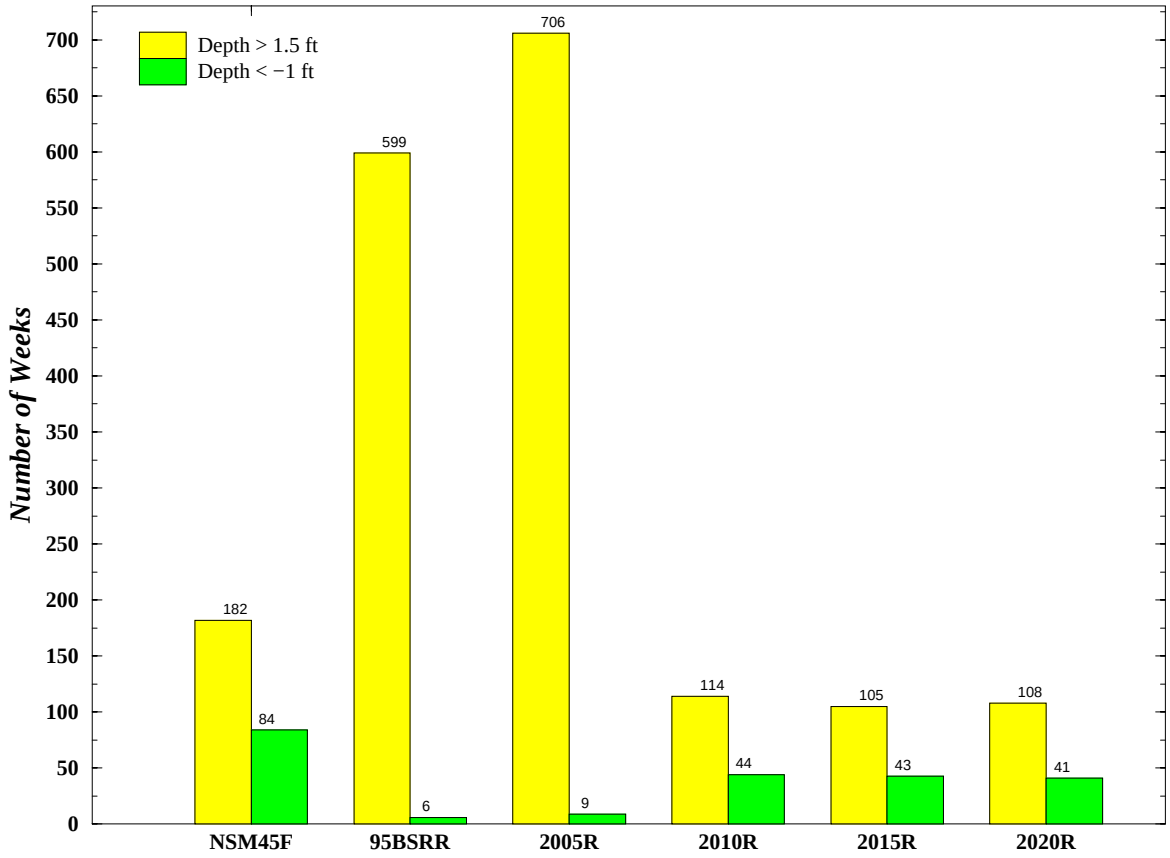
High/Low = 0 indicates criteria undefined for region

* Standard Deviations are calculated among-year values;
* they illustrate interannual variation in mean weekly depth over the 31 year simulation period.

Run date: Tue Mar 14 07:04:13 EST 2000
For Planning Purposes Only
SFWMM V3.4

Number of Weeks High/Low Water Depth Criteria Exceeded

Indicator Region 29 (R42C19-20 R43C18-20 R44C18-19)

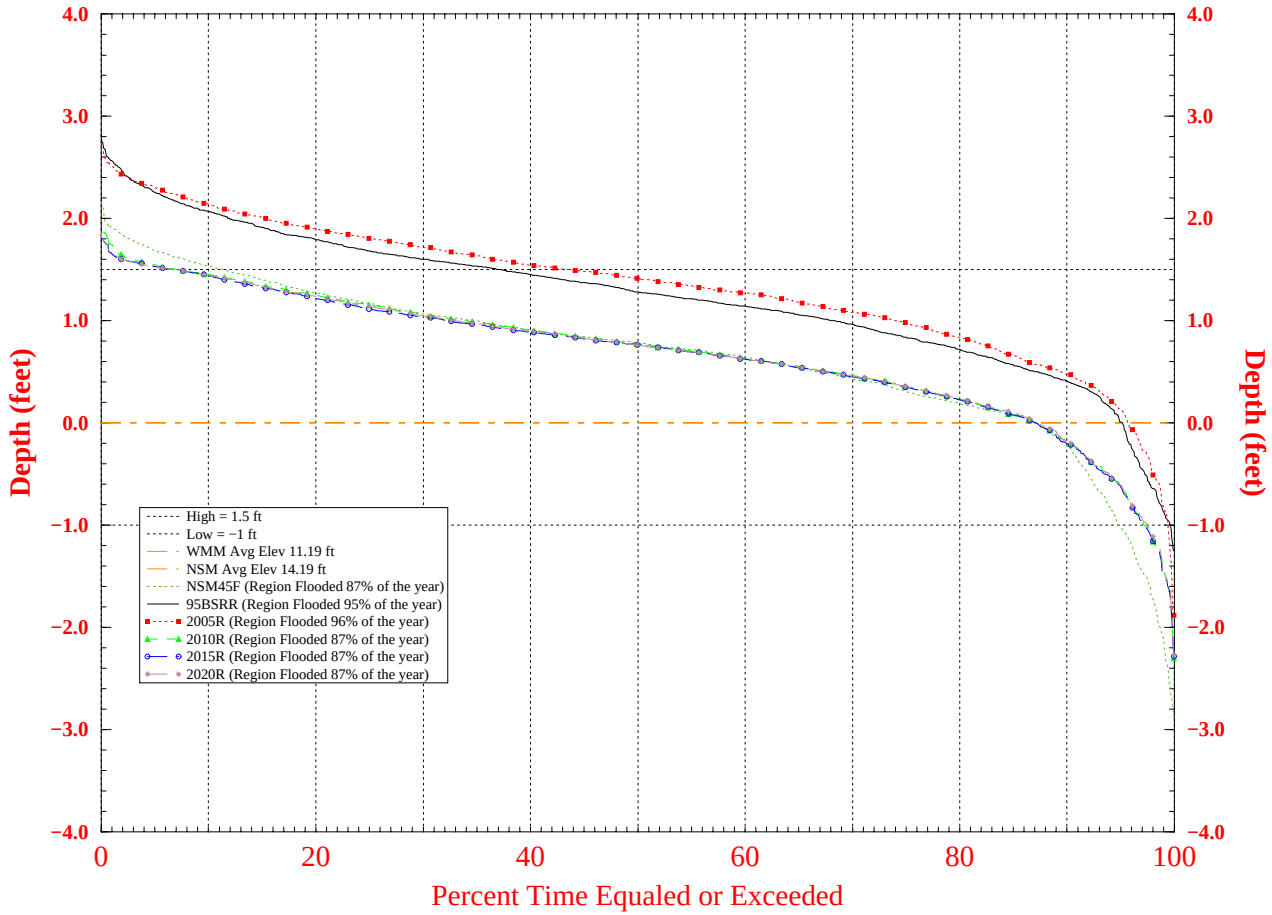


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

Run date: Tue Mar 14 07:04:13 EST 2000
For Planning Purposes Only
SFWMM V3.4

Normalized Weekly Stage Duration Curves for Holey Land WMA

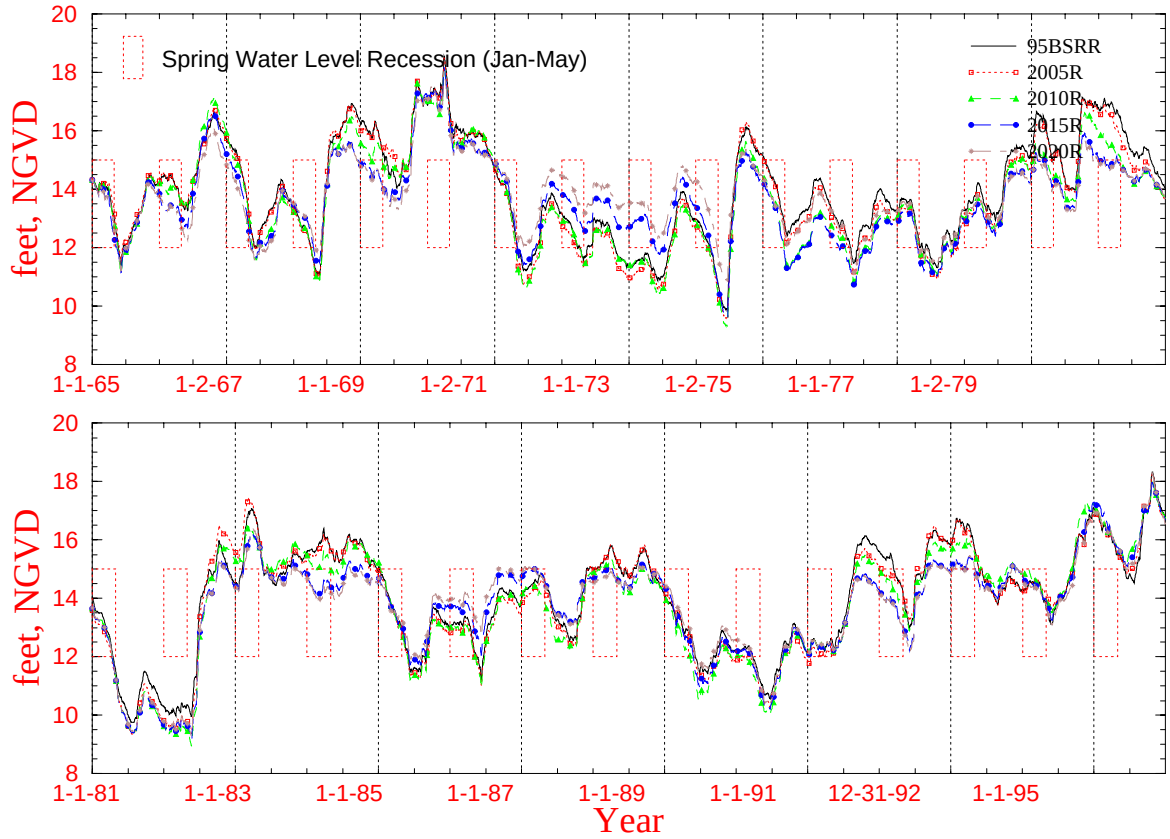
Indicator Region 29 (R42C19-20 R43C18-20 R44C18-19)



Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

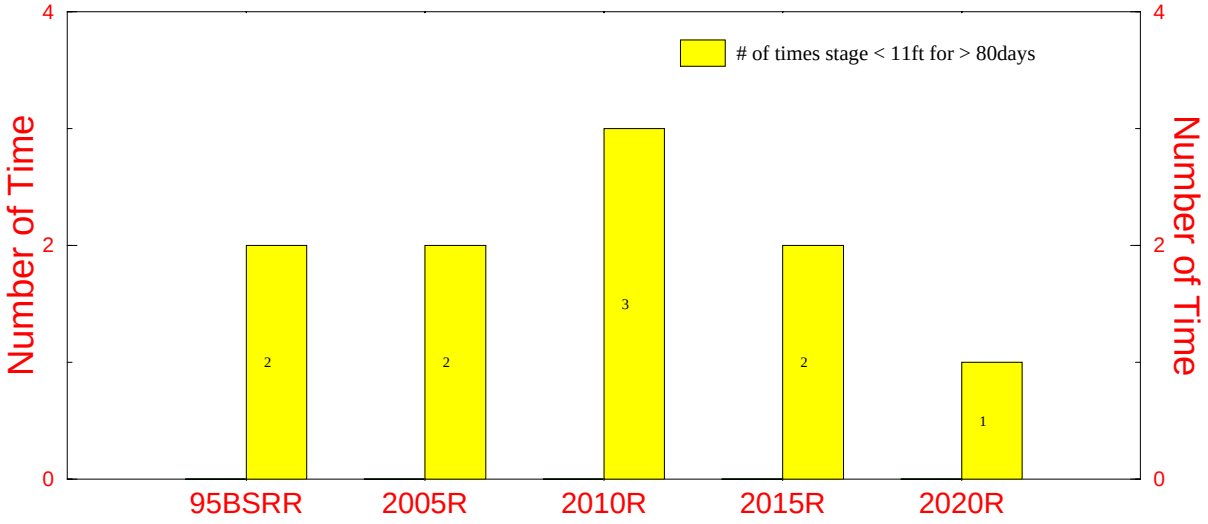
Run date: Tue Mar 14 07:04:13 EST 2000
For Planning Purposes Only
SFWMM V3.4

Daily Stage Hydrographs for Lake Okeechobee
Spring Water Level Recession Windows



Run date: 03/14/00 08:39:31
For Planning Purposes Only
SFWMM V3.7

Number of Times LOK Proposed Minimum Water Level & Duration Criteria were Exceed During the 1965-1995 Simulation

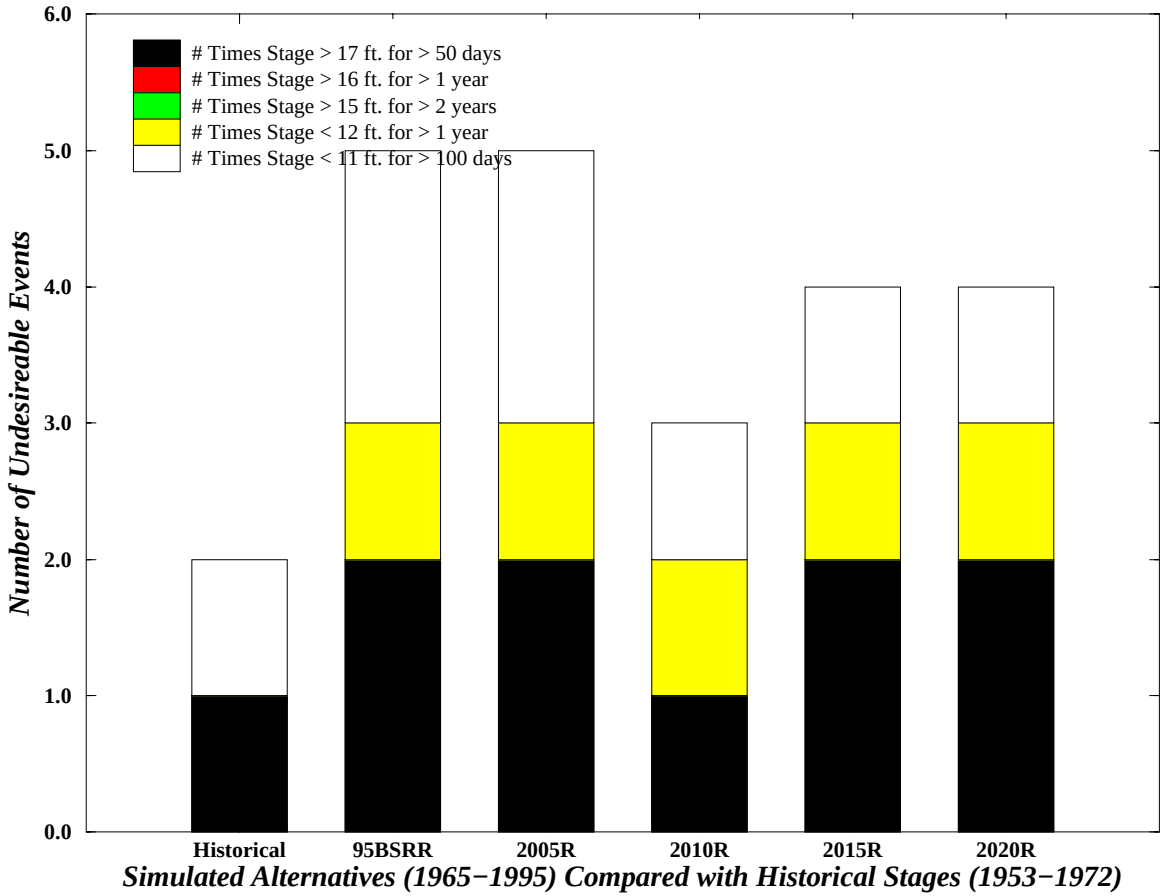


Note:

Target: Minimum Level, duration and Return Frequency − Water levels in Lake Okeechobee should not fall below 11ft NGVD for greater than 80 days more often than once every six years (Target derived from 1952−1995 historical stage data for Lake Okeechobee).

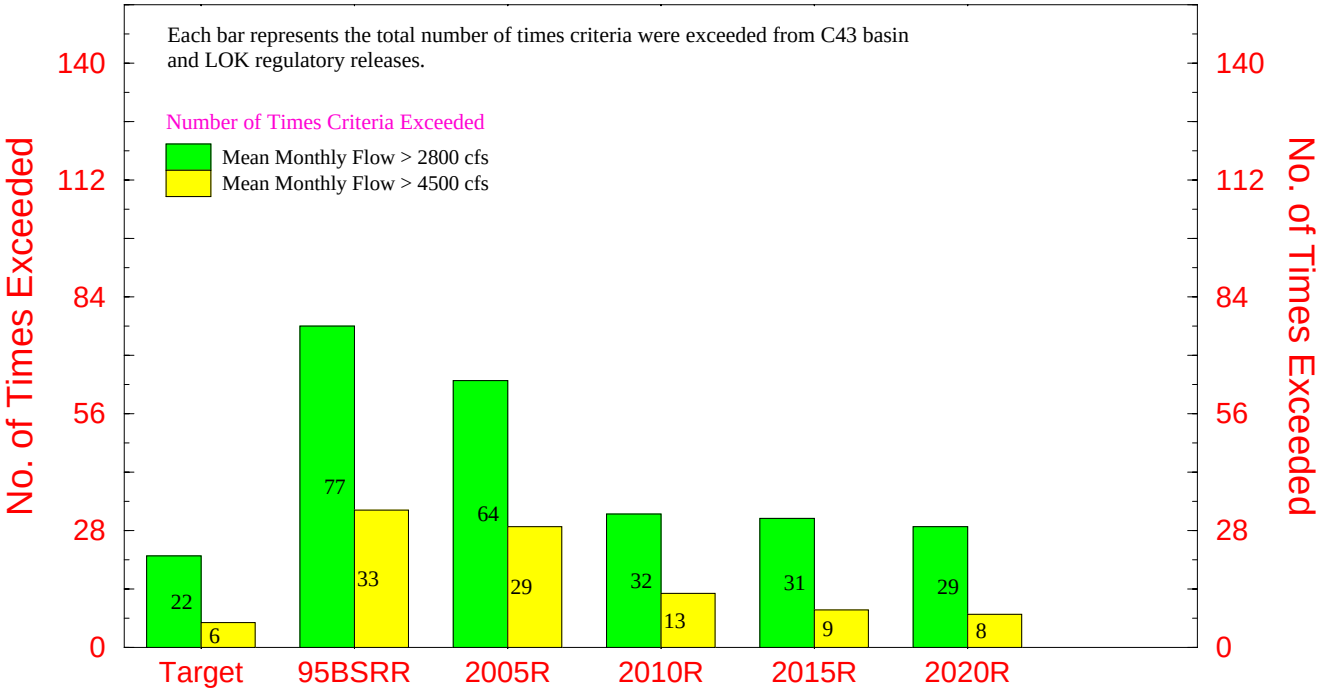
Run date: 03/14/00 06:01:15
For Planning Purposes Only
SFWMM V3.7

Number of Undesireable Lake Okeechobee Stage Events



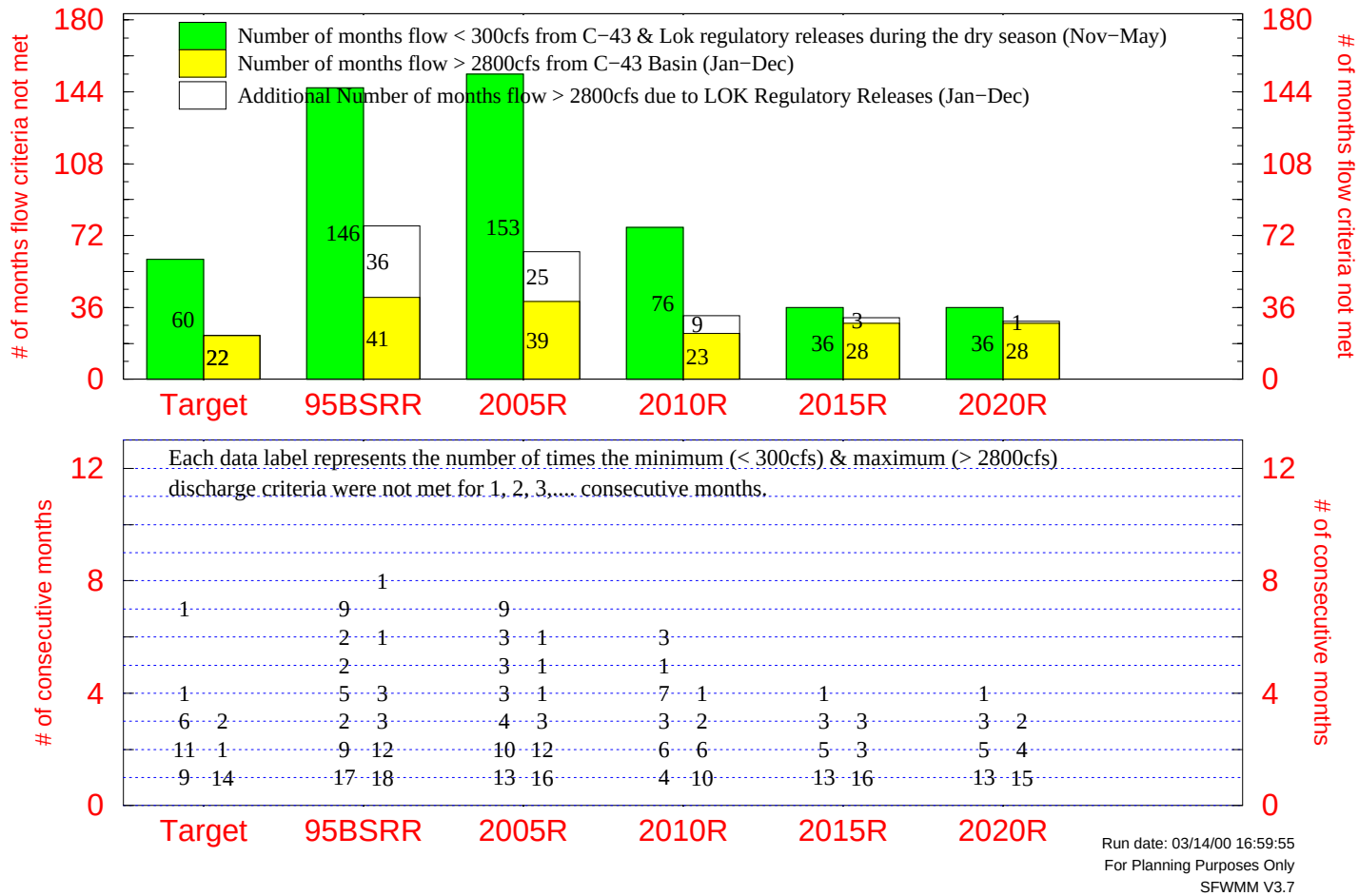
Run date: 03/14/00 10:18:38
For Planning Purposes Only
SFWMM V3.7

Number of Times High Discharge Criteria (mean monthly flows > 2800 & 4500 cfs) were exceeded for the Caloosahatchee Estuary



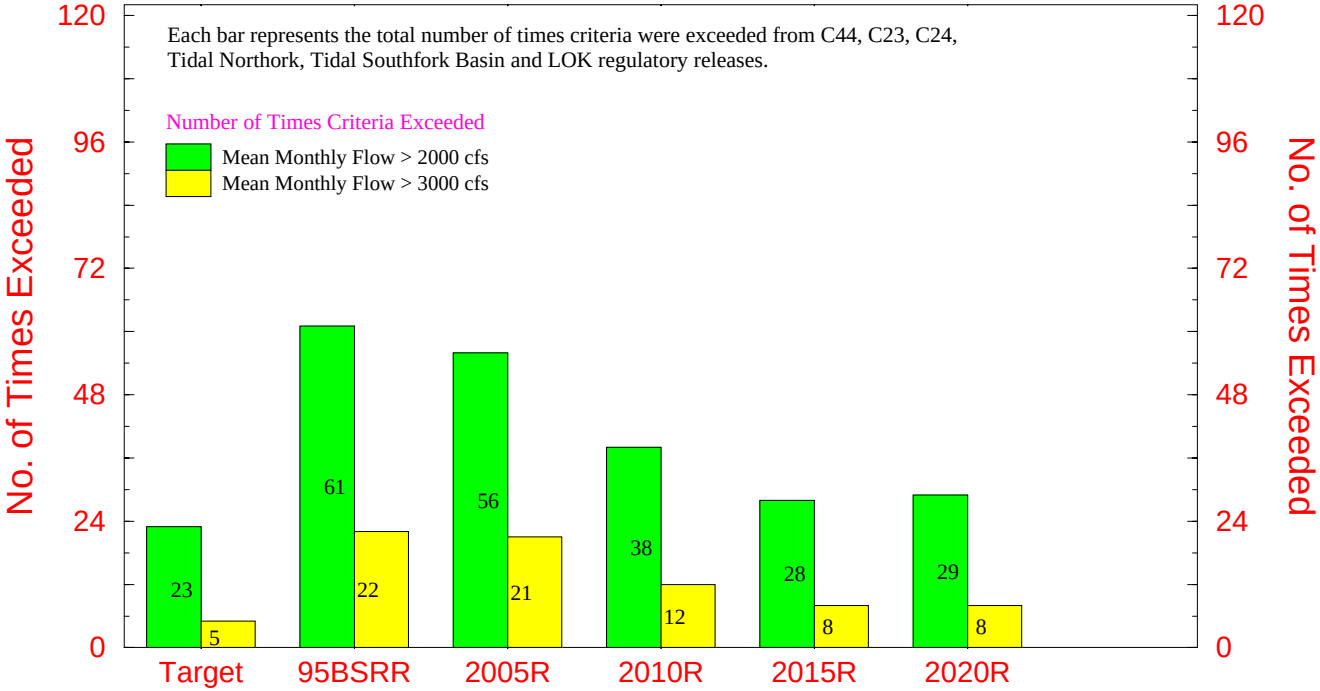
Run date: 03/14/00 16:59:55
For Planning Purposes Only
SFWMM V3.7

Number of times Salinity Envelope Criteria were NOT met for the Calooshatchee Estuary (mean monthly flows 1965 - 1995)



Run date: 03/14/00 16:59:55
For Planning Purposes Only
SFWMM V3.7

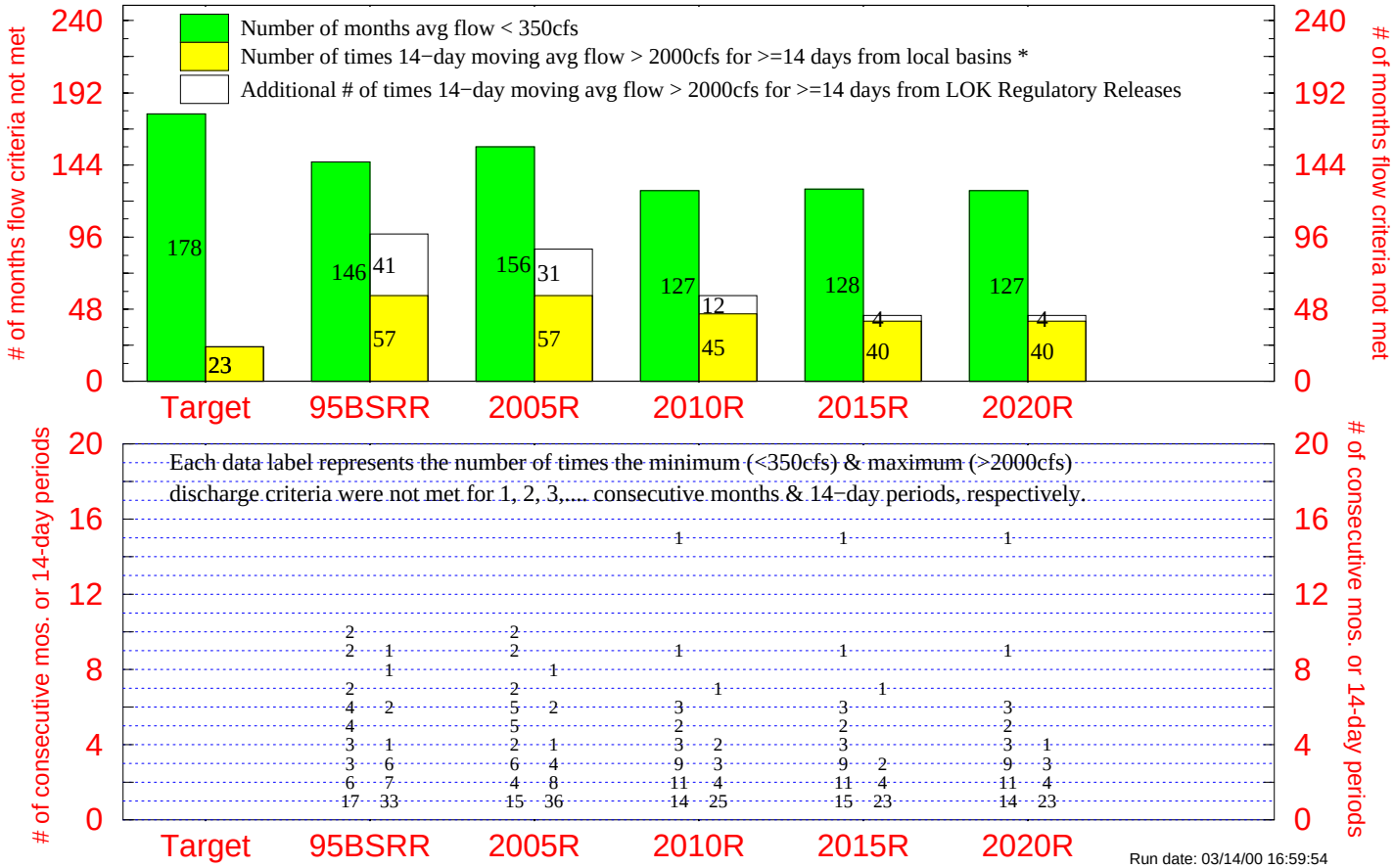
Number of Times High Discharge Criteria (mean monthly flows > 2000 & 3000 cfs) were exceeded for the St. Lucie Estuary



Note: A favorable maximum monthly flow was developed for the estuary (2000 cfs) that will theoretically provide suitable salinity conditions which promote the development of important benthic communities (eg. oysters & shoalgrass). Mean monthly flows above 3000 cfs result in freshwater conditions throughout the entire estuary causing severe impacts to estuarine biota.

Run date: 03/14/00 16:59:54
For Planning Purposes Only
SFWMM V3.7

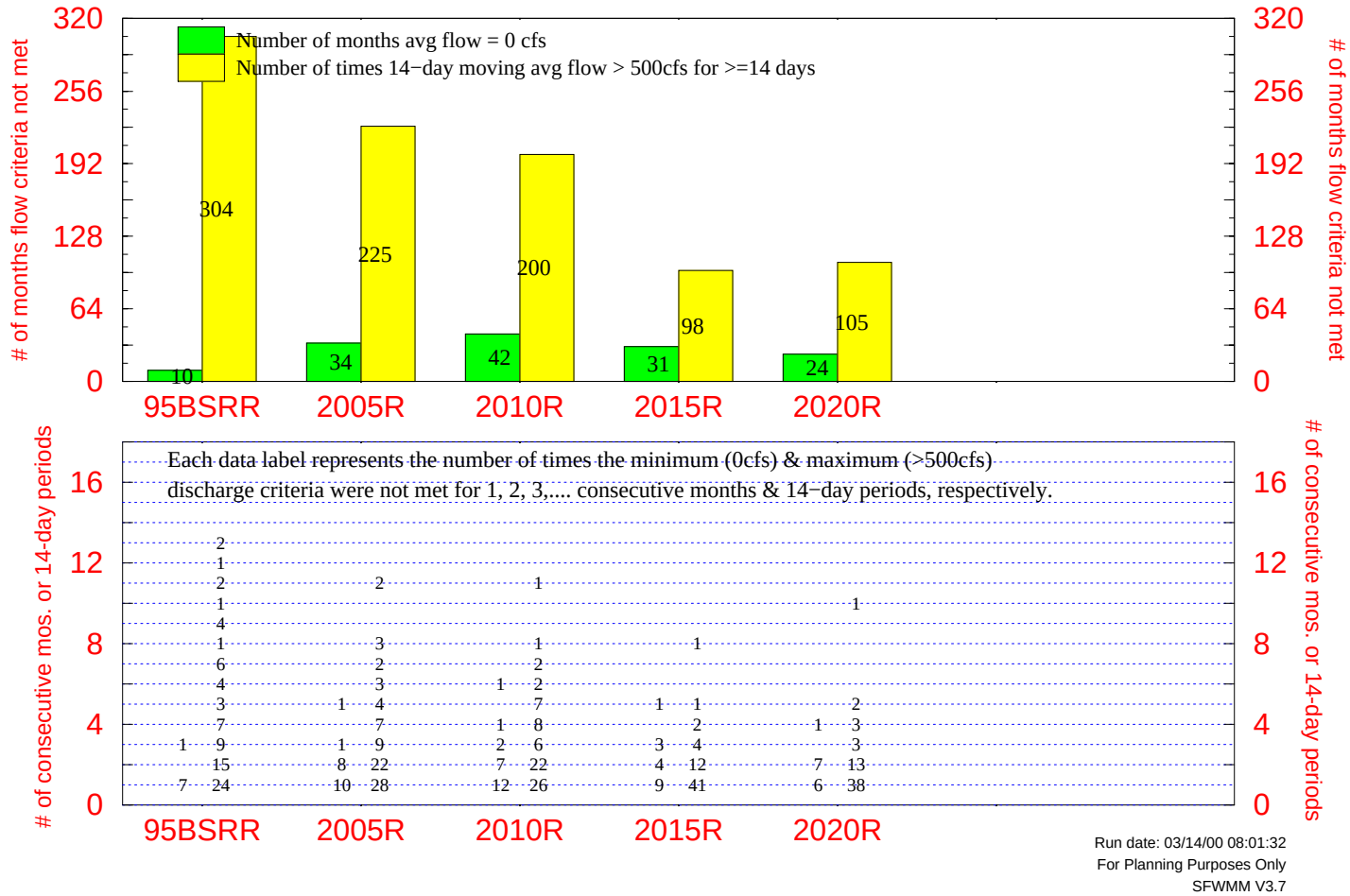
Number of times Salinity Envelope Criteria were NOT met for the St. Lucie Estuary



Note: local basins include the C−44, C−23, C−24, North Fork, and South Fork Basins

Run date: 03/14/00 16:59:54
For Planning Purposes Only
SFWMM V3.7

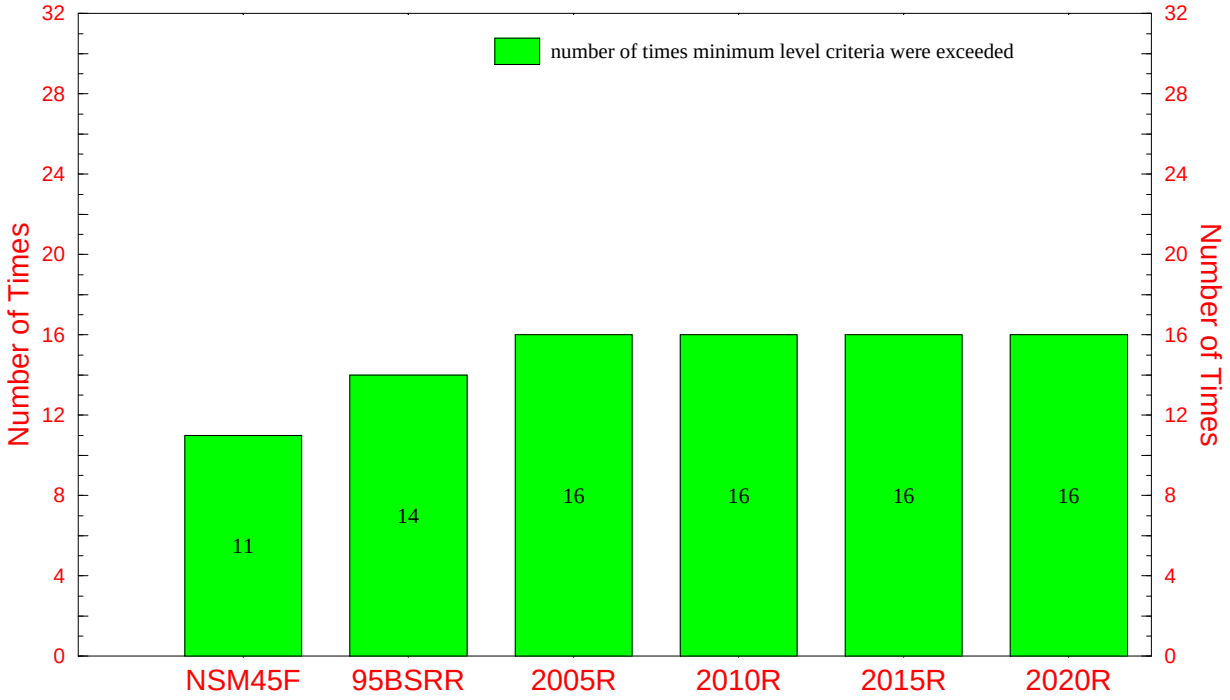
Number of times Salinity Envelope Criteria were NOT met for the Lake Worth Lagoon (mean monthly flows 1965 - 1995)



Run date: 03/14/00 08:01:32
For Planning Purposes Only
SFWMM V3.7

No. of Times Minimum Level Criteria were exceeded* in Taylor Slough , (Gage NP-67)

Indicator Region 1 (R5C21-21 R6C21-22 R7C22-22 R8C23-23)

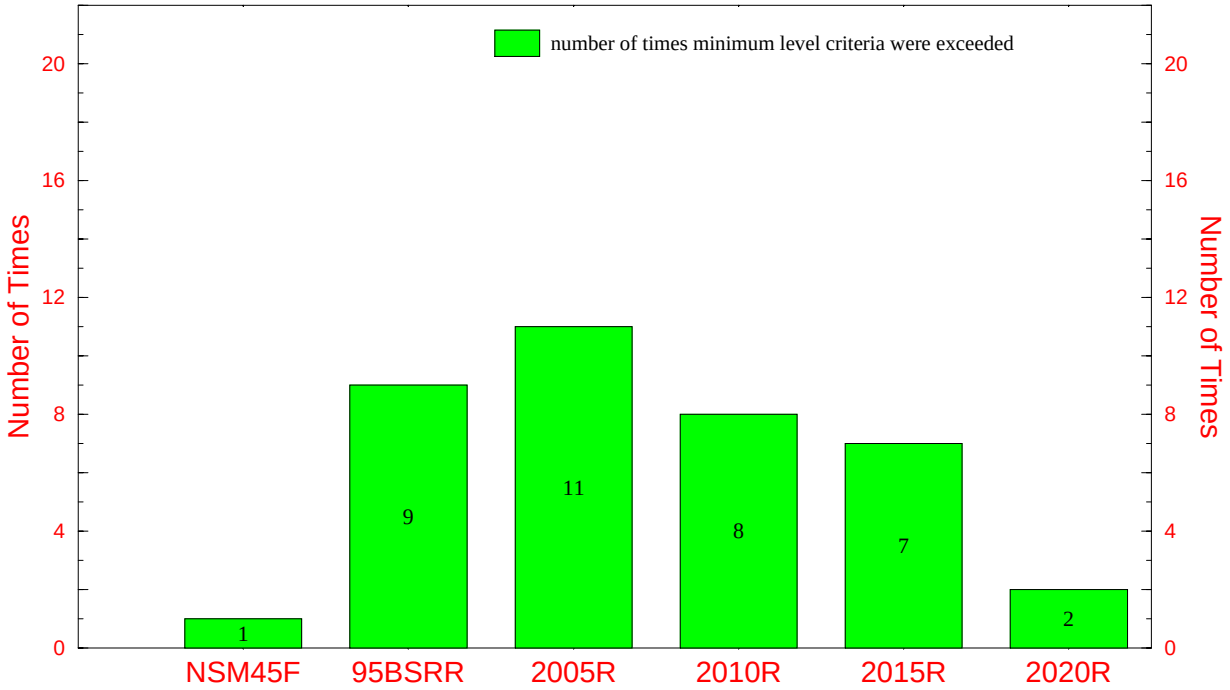


*Minimum level criteria: Stage falls below ground elevation for at least 90 days and stage falls below the minimum level (1.5 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:00:23
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR1.GNP_67.fig

No. of Times Minimum Level Criteria were exceeded* in Mid Shark River Slough , (Gage NP-33)

Indicator Region 10 (R16C18-19 R17C18-20 R18C19-20 R19C20-20)

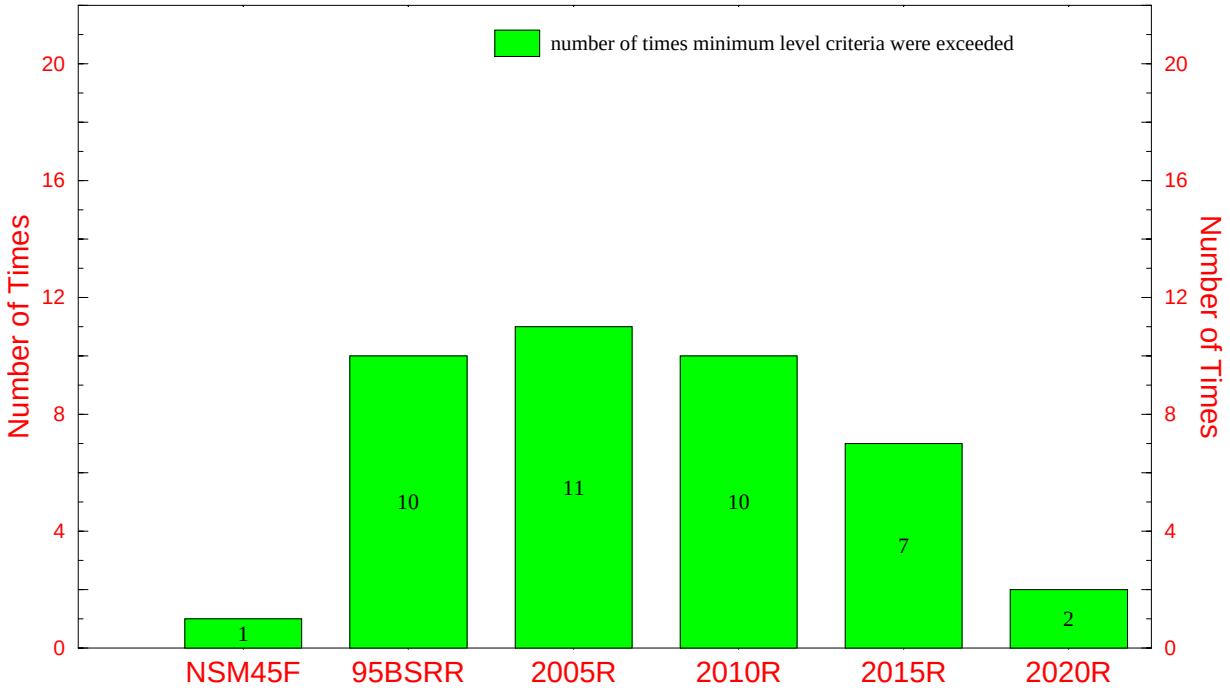


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:03:32
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR10.GNP_33.fig

No. of Times Minimum Level Criteria were exceeded* in NE Shark River Slough , (Gage NESRS-2)

Indicator Region 11 (R19C22-23 R20C22-26 R21C22-26)

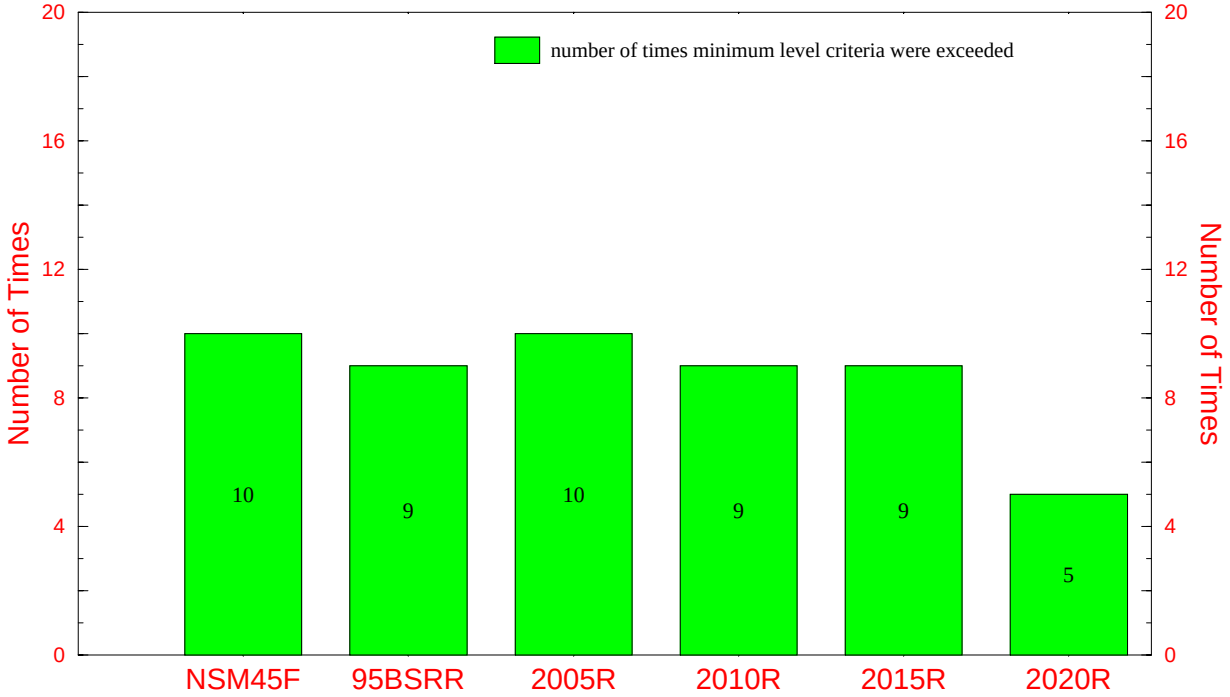


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:04:36
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR11.GNESRS_2.fig

No. of Times Minimum Level Criteria were exceeded* in New Shark River Slough , (Gage NP-201)

Indicator Region 12 (R19C18-18 R20C18-19 R21C18-19)

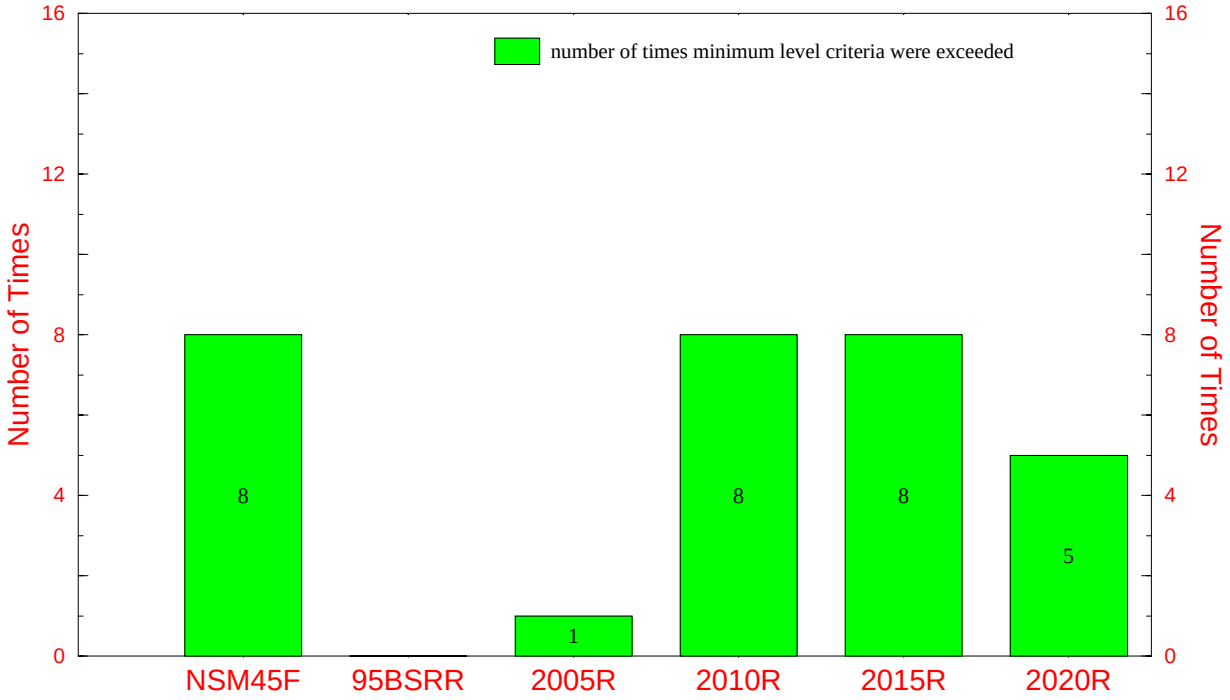


*Minimum level criteria: Stage falls below ground elevation for at least 90 days and stage falls below the minimum level (1.5 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:05:49
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR12.GNP_201.fig

No. of Times Minimum Level Criteria were exceeded* in South WCA-3A , (Gage 3A-28)

Indicator Region 14 (R23C17-20 R24C17-20 R25C17-21)

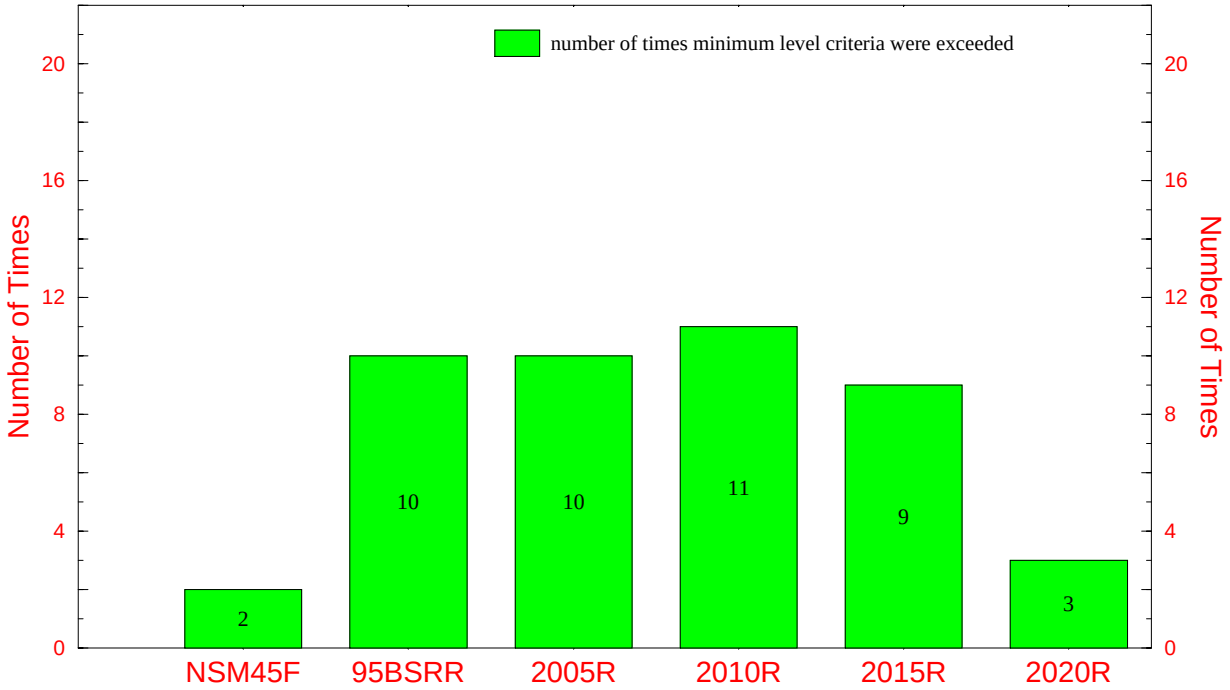


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:06:56
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR14.G3A_28.fig

No. of Times Minimum Level Criteria were exceeded* in East WCA-3B , (Gage 3B-SE)

Indicator Region 16 (R23C24-26 R24C25-26 R25C26-26 R26C26-26)

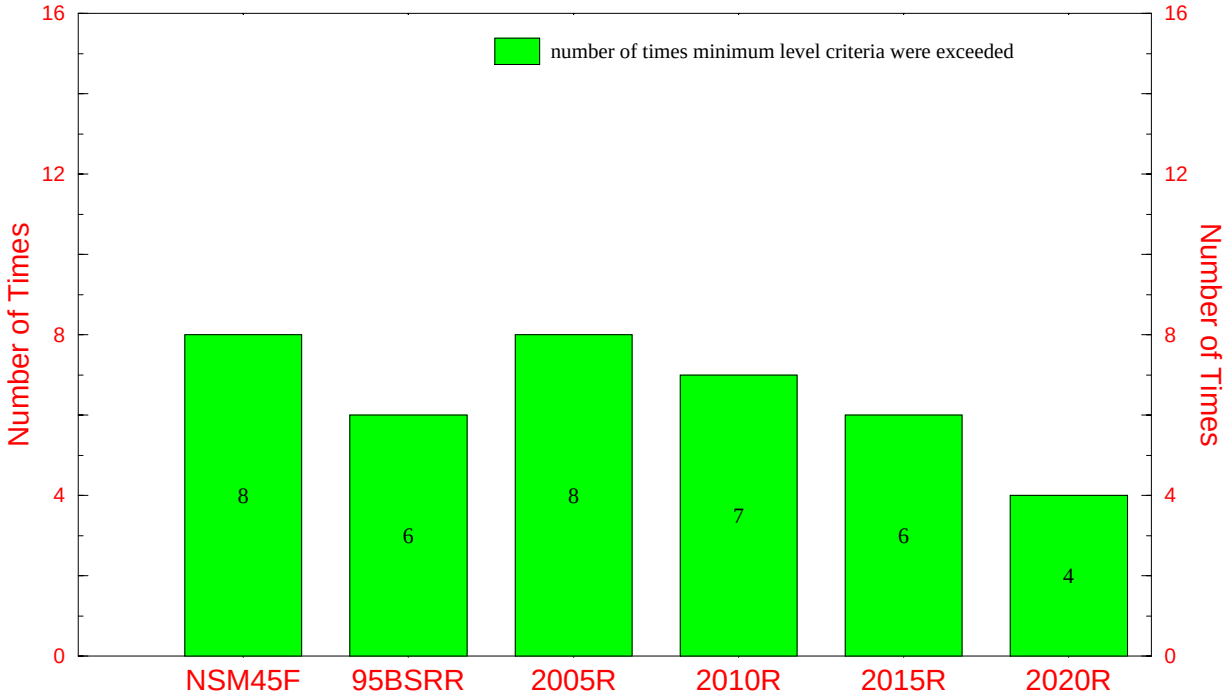


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:08:07
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR16.G3B_SE.fig

No. of Times Minimum Level Criteria were exceeded* in South Central WCA-3A , (Gage 3A-4)

Indicator Region 17 (R28C17-21 R29C17-22 R30C18-22 R31C18-22)

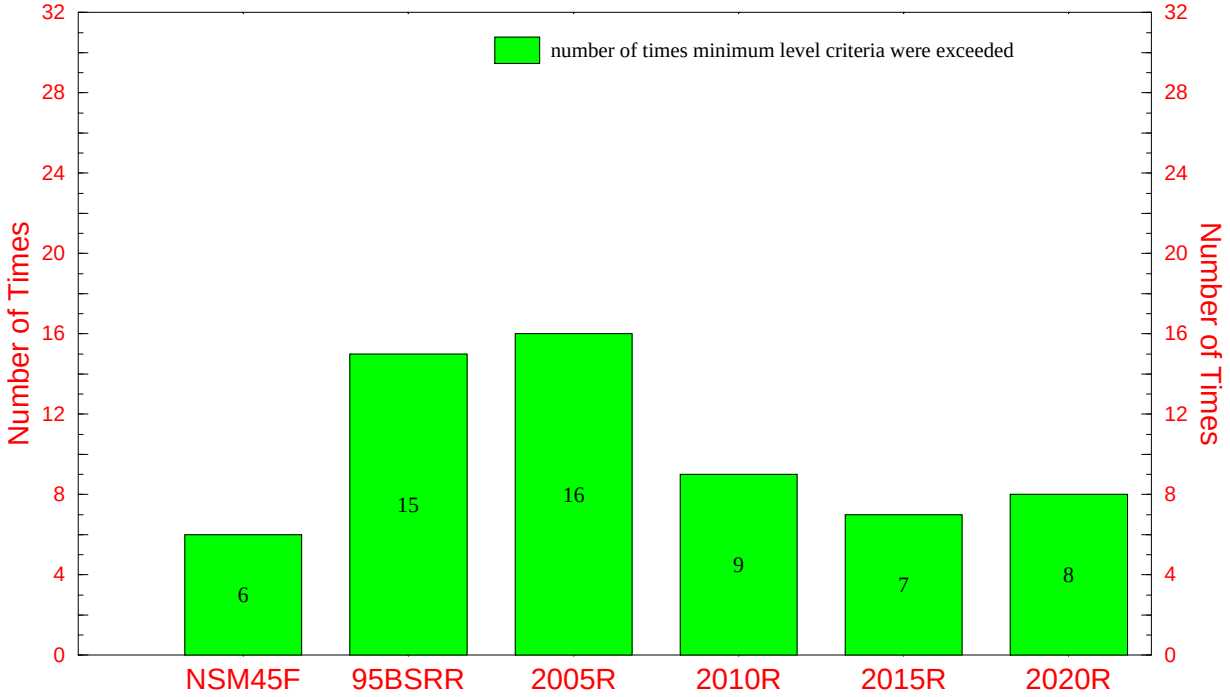


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:09:10
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR17.G3A_4.fig

No. of Times Minimum Level Criteria were exceeded* in NW WCA-3A , (Gage 3A-2)

Indicator Region 20 (R36C18-18 R37C18-19 R38C17-19 R39C18-18)

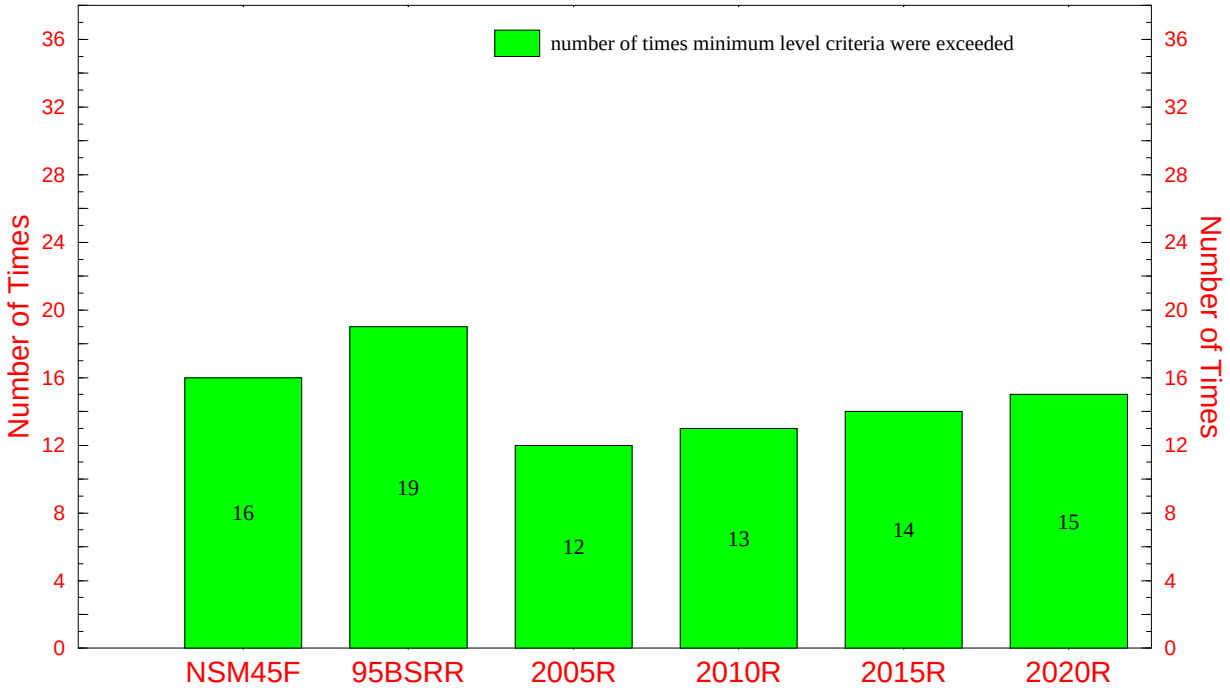


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:10:15
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR20.G3A_2.fig

No. of Times Minimum Level Criteria were exceeded* in NE WCA-3A , (Gage 3A-NE)

Indicator Region 21 (R38C23-24 R39C23-25 R40C22-25)

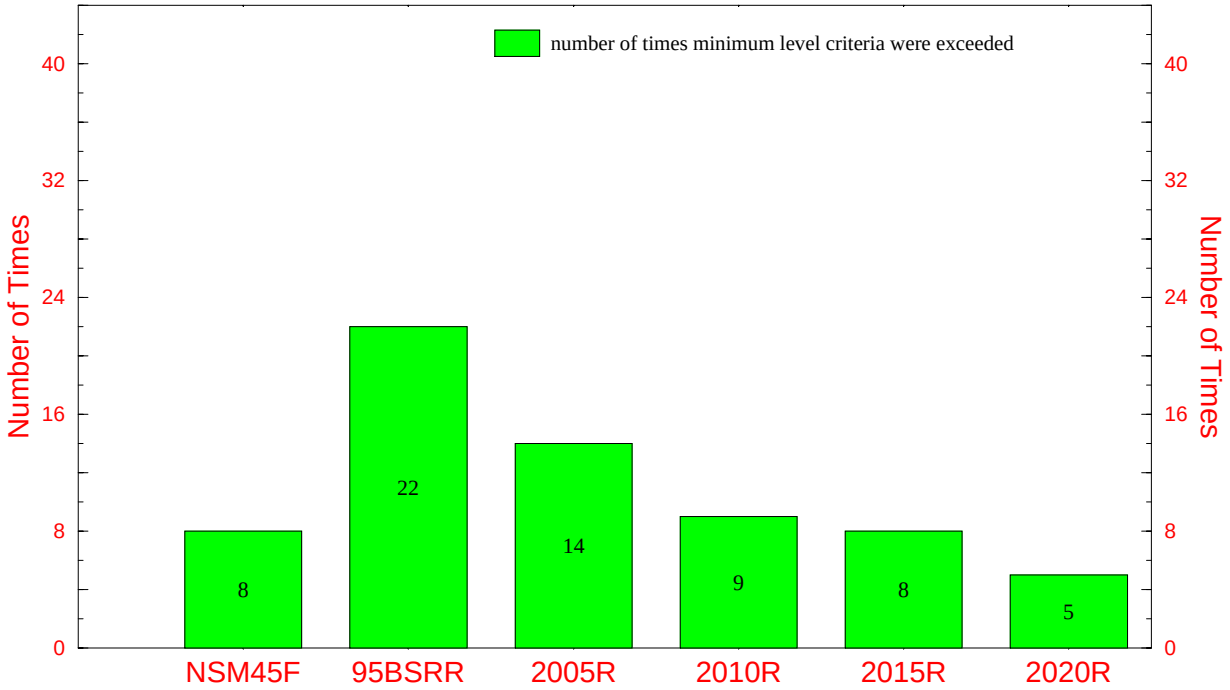


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:11:19
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR21.G3A_NE.fig

No. of Times Minimum Level Criteria were exceeded* in NW Corner WCA-3A , (Gage 3A-NW)

Indicator Region 22 (R39C17-17 R40C17-18 R41C17-17)

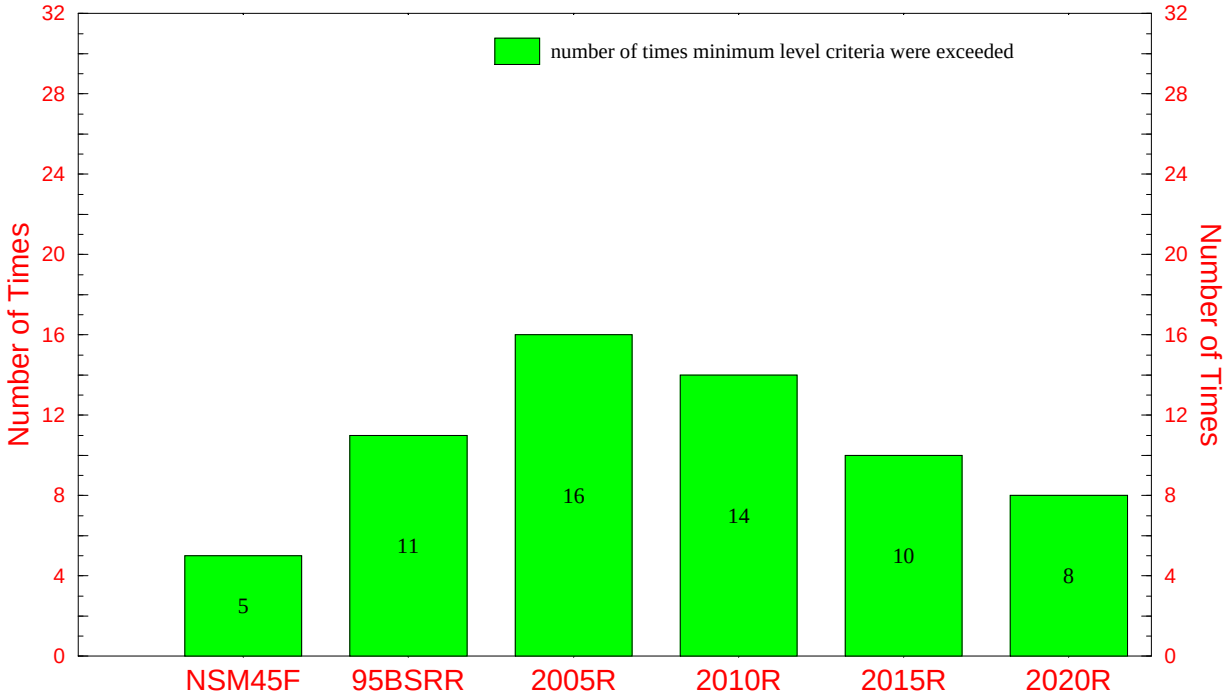


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:12:22
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR22.G3A_NW.fig

No. of Times Minimum Level Criteria were exceeded* in WCA-2B , (Gage 2B-Central)

Indicator Region 23 (R36C29-31 R37C30-32)

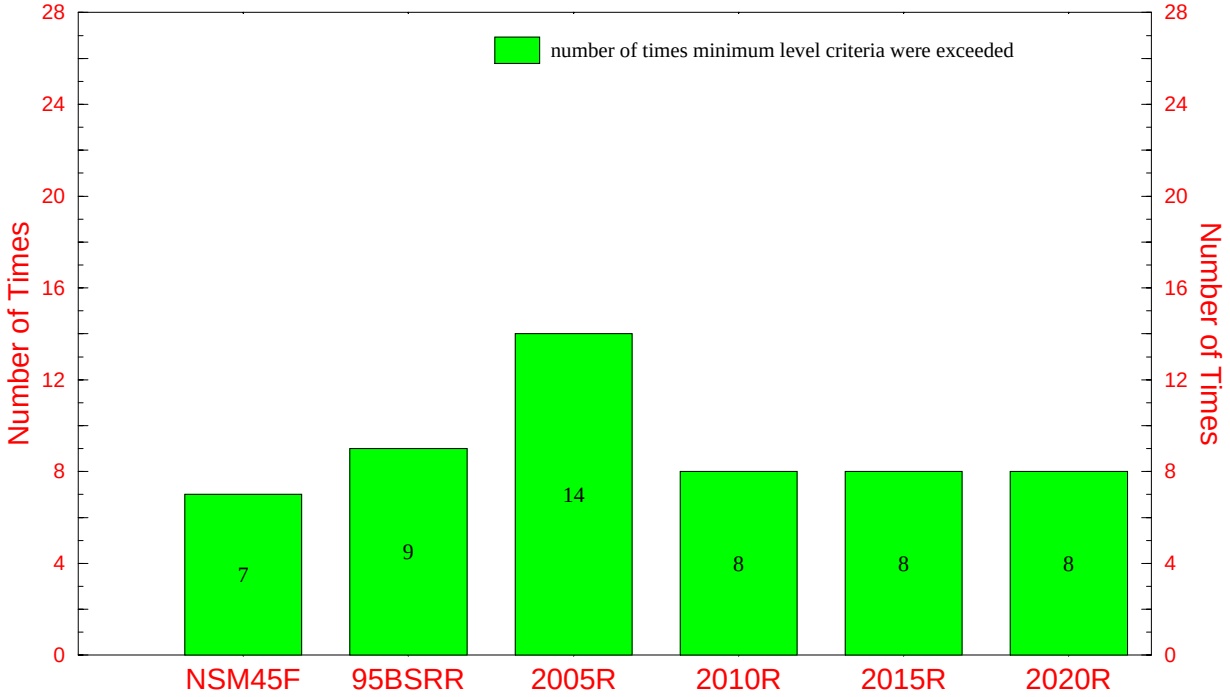


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:13:23
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR23.G2B_Central.fig

No. of Times Minimum Level Criteria were exceeded* in South WCA-2A , (Gage 2A-17)

Indicator Region 24 (R39C29-31 R40C28-31 R41C28-28)

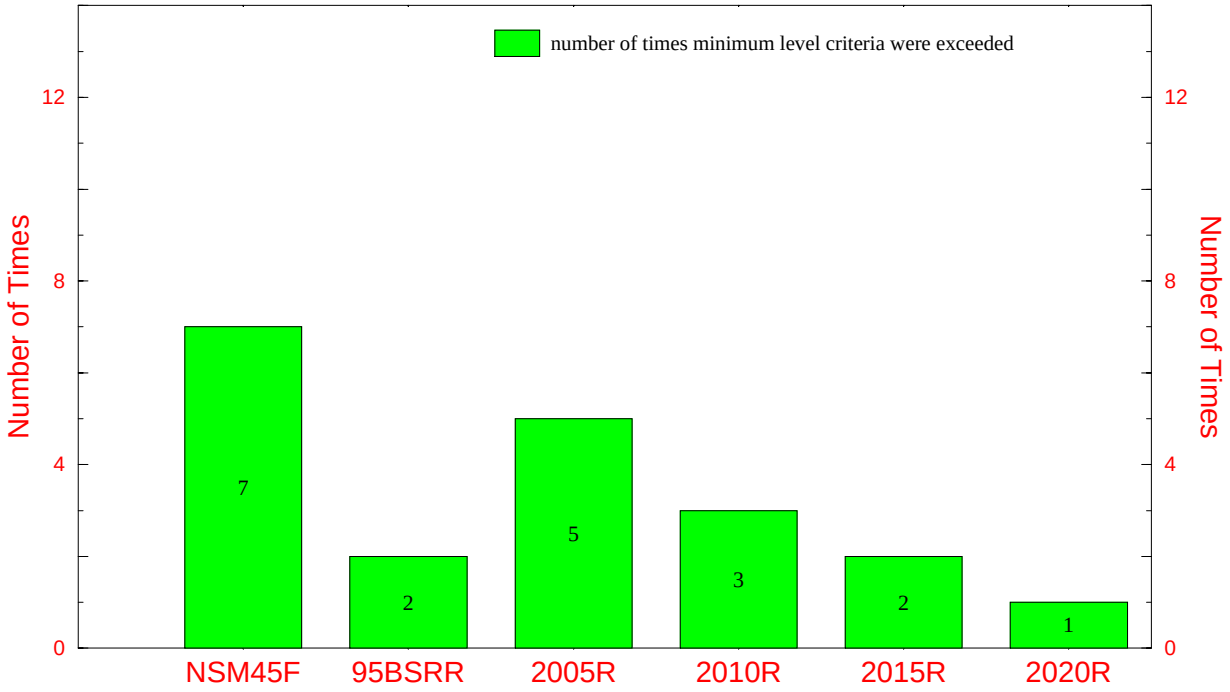


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:14:27
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR24.G2A-17.fig

No. of Times Minimum Level Criteria were exceeded* in North LNWR (WCA-1) , (Gage 1-7)

Indicator Region 27 (R47C30-34 R48C30-33 R49C30-33 R50C30-32 R51C30-31)

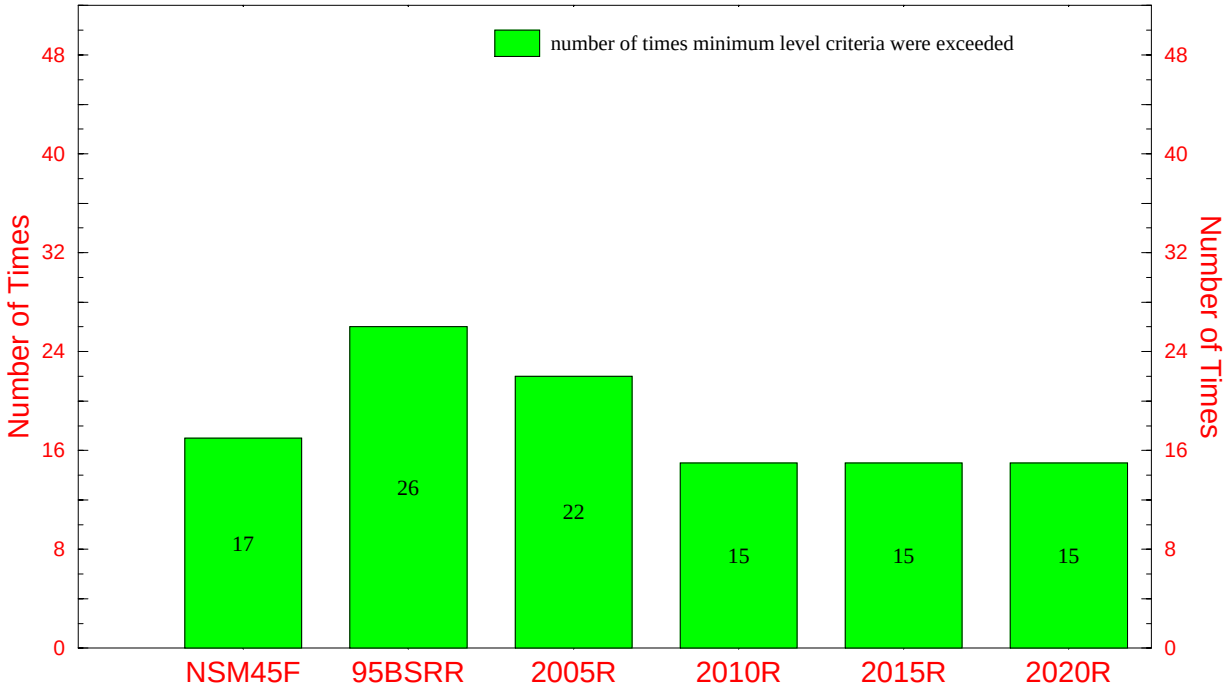


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:15:29
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR27.G1_7.fig

No. of Times Minimum Level Criteria were exceeded* in Rotenberger WMA , (Gage Rotts)

Indicator Region 28 (R43C15-16 R44C15-16 R45C15-16)

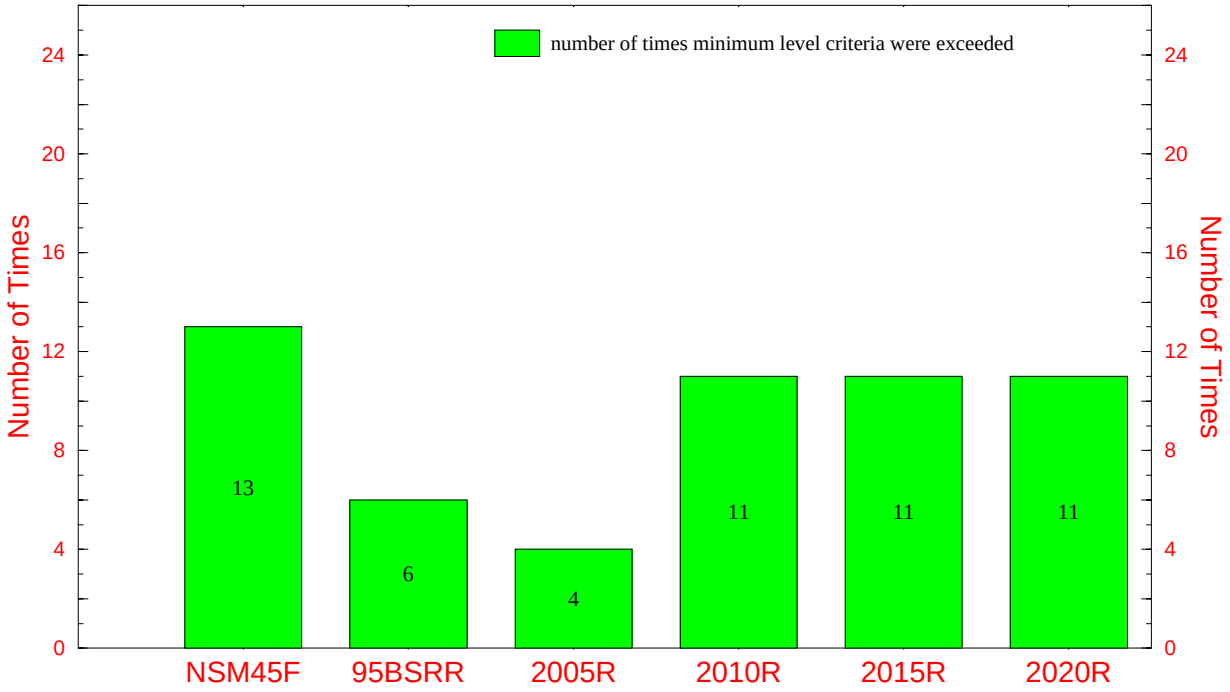


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:22:06
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR28.GRotts.fig

No. of Times Minimum Level Criteria were exceeded* in Holey Land WMA , (Gage Holey-G)

Indicator Region 29 (R42C19-20 R43C18-20 R44C18-19)

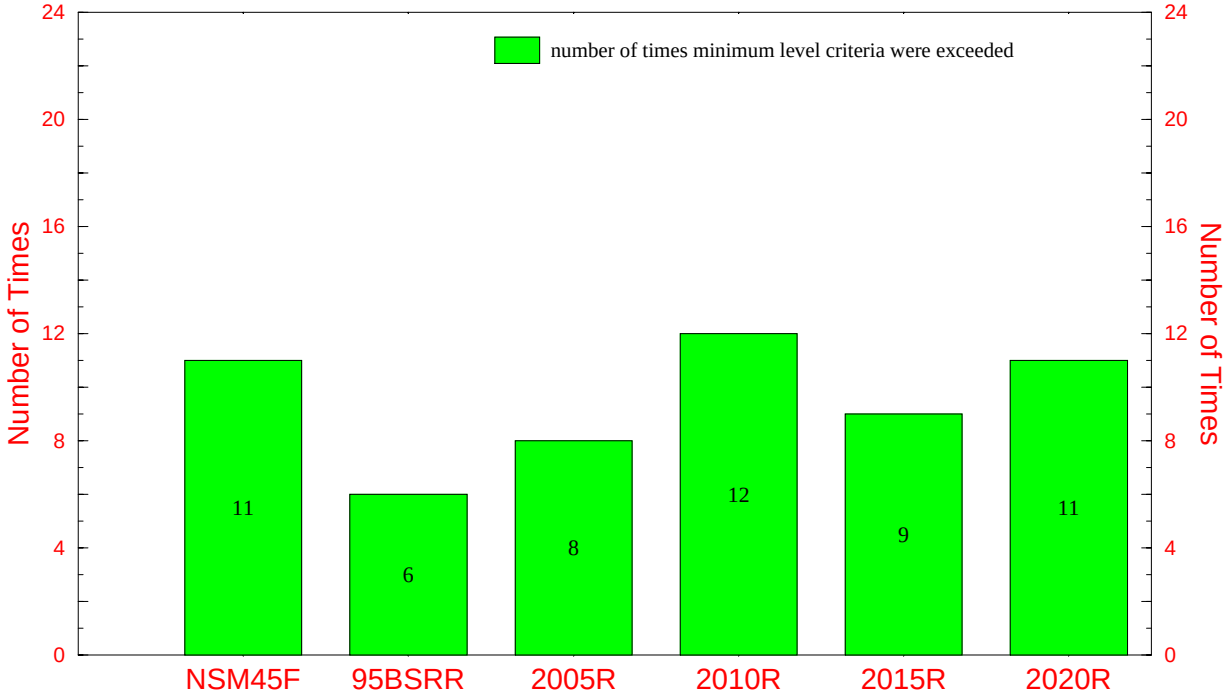


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:20:59
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR29.GHoley_G.fig

No. of Times Minimum Level Criteria were exceeded* in S of NE WCA-3A , (Gage 3A-3)

Indicator Region 68 (R36C24-25 R37C24-26)

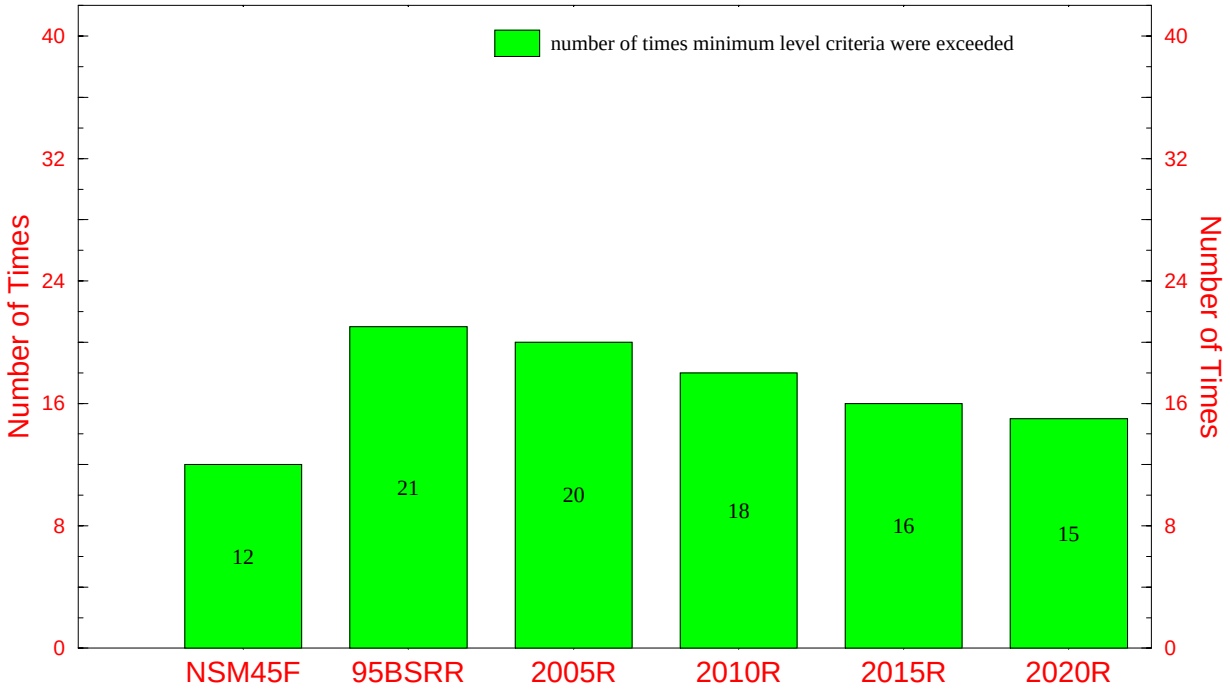


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:18:48
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR68.G3A_3.fig

No. of Times Minimum Level Criteria were exceeded* in Eastern edge of SRS , (Gage NP-38)

Indicator Region 70 (R8C16-17 R9C16-17)

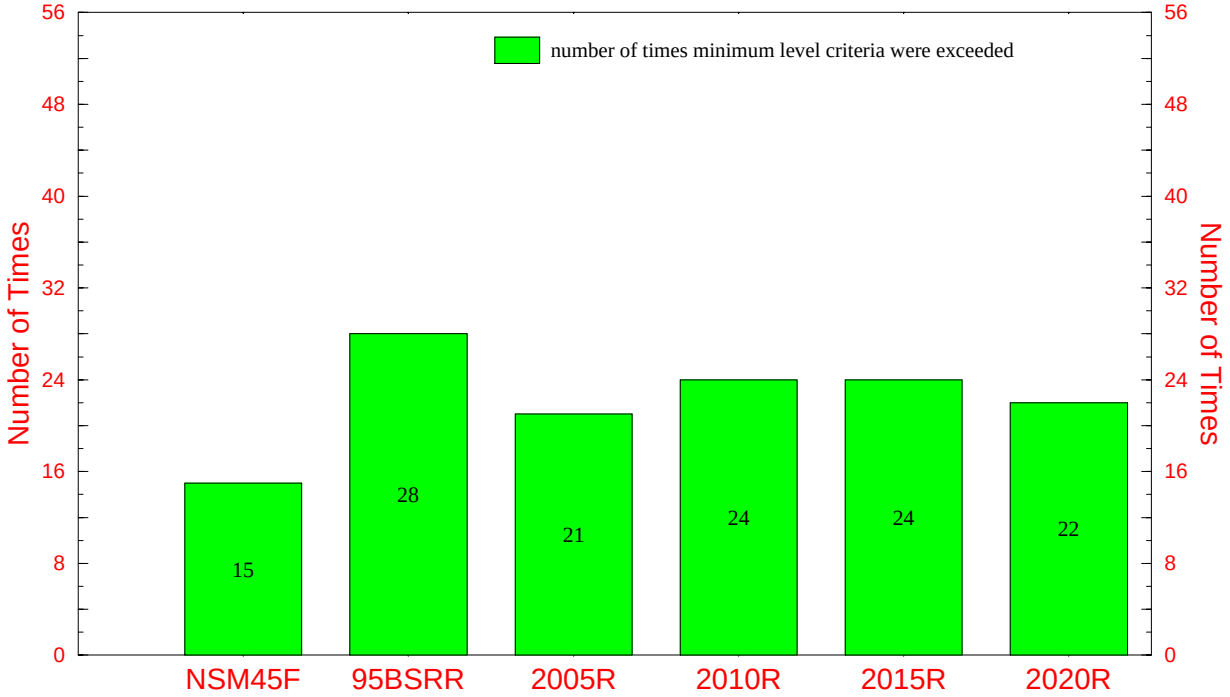


*Minimum level criteria: Stage falls below ground elevation for at least 90 days and stage falls below the minimum level (1.5 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:19:52
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR70.GNP_38.fig

No. of Times Minimum Level Criteria were exceeded* in Rockland Marl Marsh , (Gage G-1502)

Indicator Region 8 (R12C21-22 R13C20-23 R14C21-23 R15C21-23 R16C22-23 R17C23-24 R18C24-25 R19C25-25)

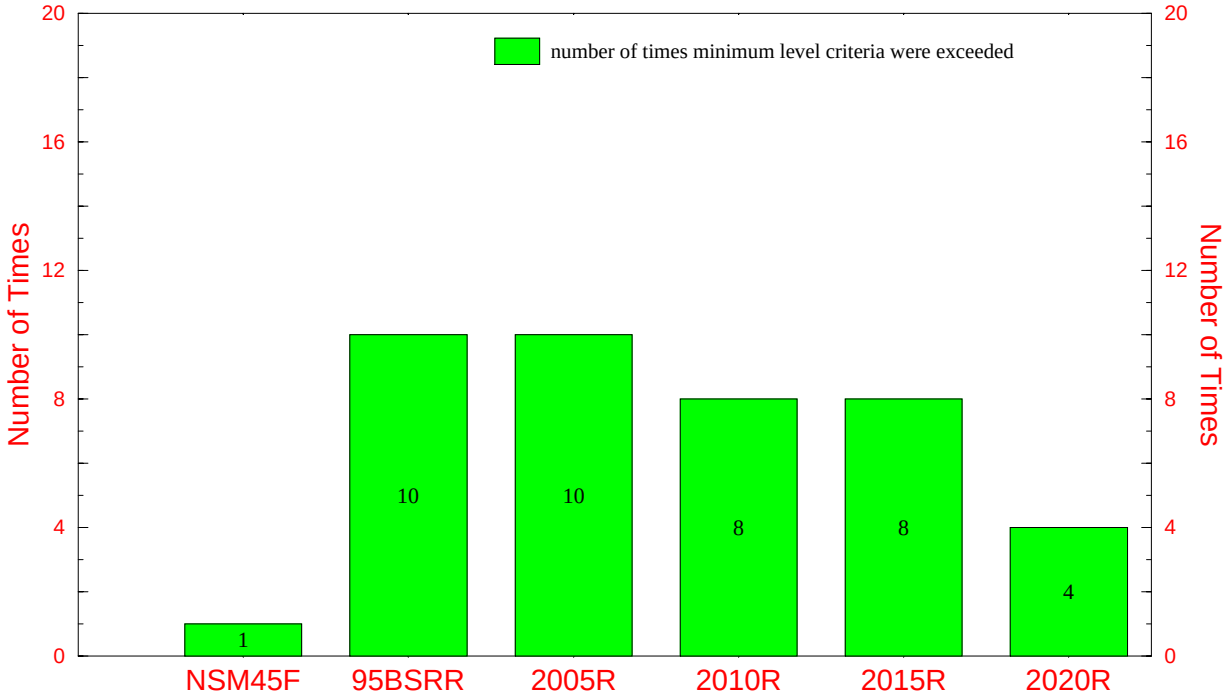


*Minimum level criteria: Stage falls below ground elevation for at least 90 days and stage falls below the minimum level (1.5 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:01:27
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR8.GG_1502.fig

No. of Times Minimum Level Criteria were exceeded* in SW Shark River Slough , (Gage NP-36)

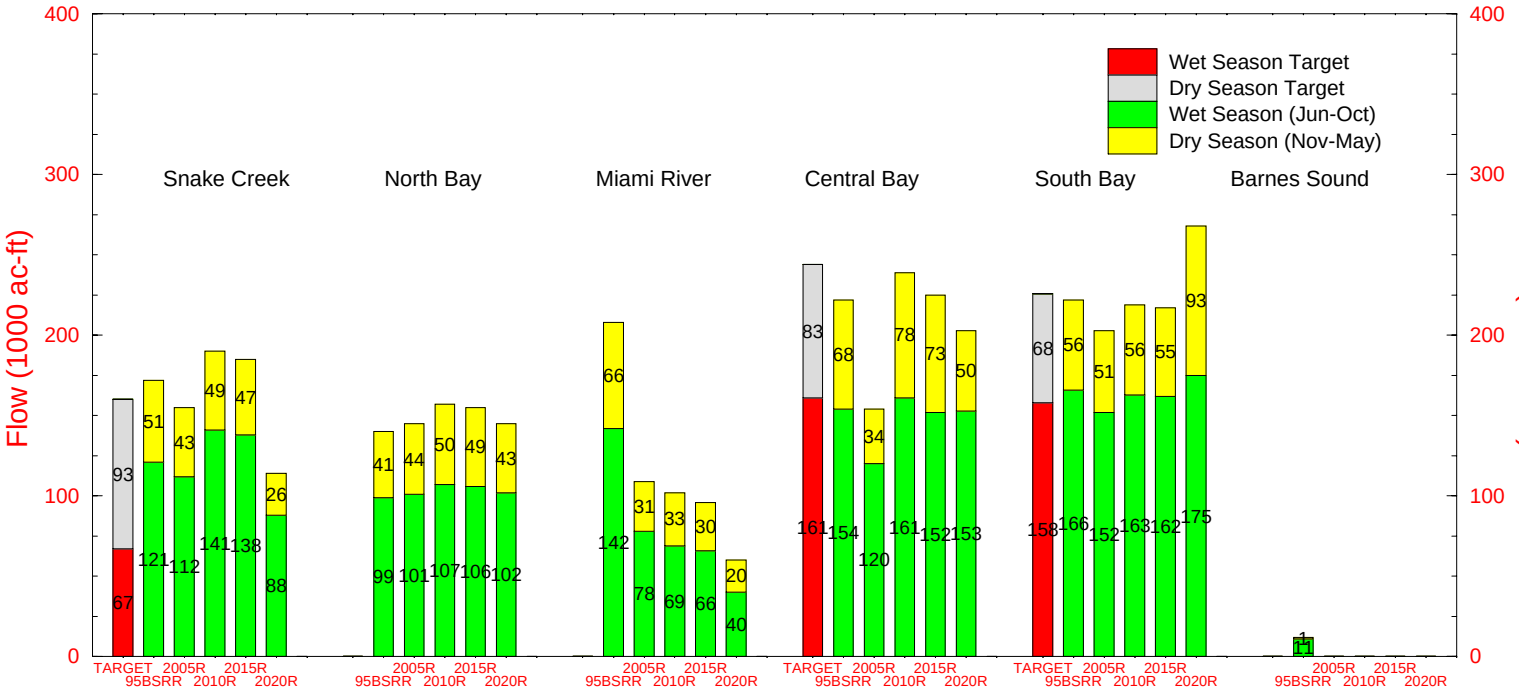
Indicator Region 9 (R13C16-17 R14C17-18 R15C18-18)



*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/14/00 11:02:30
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR9.GNP_36.fig

Simulated Mean Annual Surface Flows Discharged into Biscayne Bay for the 1965 - 1995 simulation period



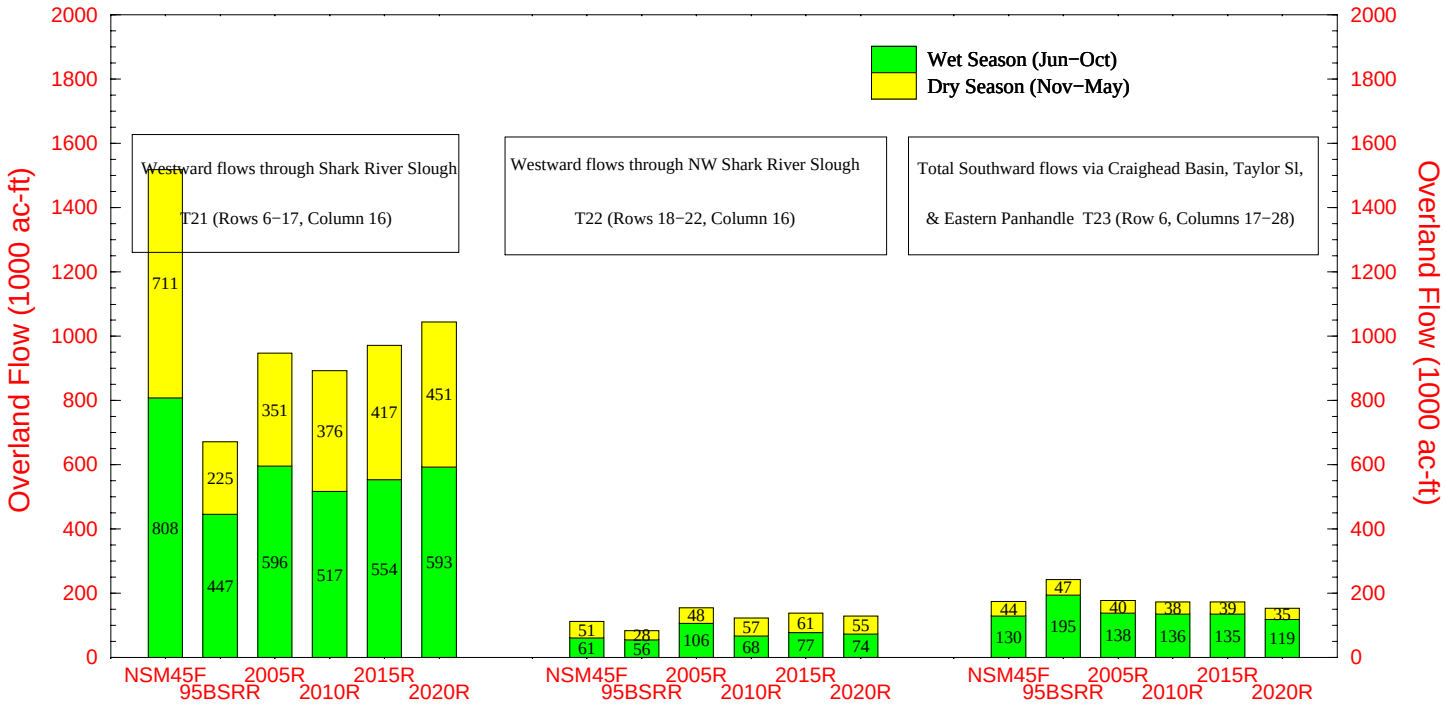
Note: Snake Creek=S29; North Bay=G58+S28+S27; Miami River=S26+S25B+S25; Central=G97+S22+S123; South=S21+S21A+S20F+S20G; Barnes Sound=S197

Targets for Central and South Bay reflect a 30% increase in mean annual dry season flows over the 95 Base
Targets for Snake Creek reflect a minimum monthly flow volume of 13,300 ac-ft (x 5 months for wet season and x 7 months for dry season) to maintain salinity levels below 20 ppt.

Run date: 03/14/00 06:30:09
For Planning Purposes Only
SFWMM V3.7

Average Annual Overland Flows toward Whitewater Bay and Florida Bay

for the 31 year simulation period



Note: NSM flows are NOT targets and are shown for comparative purposes only.

Run date: 03/14/00 08:04:16
For Planning Purposes Only
SFWMM V3.7

Minimum Flow and Level Criteria for the Biscayne Aquifer

Failure to meet MFL stage criteria at control structures for 180 days or more

Canal/ Structure	MFL Stage (ft.)	Number of Times MFL Criteria Not Met 95BSRR	2005R	2010R	2015R	2020R
C-6@S-26	2.00	0	0	0	0	0
C-51@S-155	7.80	0	0	0	0	0
C-16@S-41	7.80	0	0	0	0	0
C-15@S-40	7.80	0	0	0	0	0
Hillsboro@G-56	6.75	0	0	0	0	0
C-13@S-36	4.00	0	0	0	0	0
C-14@S-37B	6.50	0	0	0	0	0
NNRiver@G-54	3.50	0	0	0	0	0
C-9@S-29	2.00	0	0	0	0	0
C-4@S-25B	2.20	0	0	0	0	0
C-2@S-22	2.20	0	0	0	0	0

Failure to meet MFL stage criteria at control structures for 90 days or more

Canal/ Structure	MFL Stage (ft.)	Number of Times MFL Criteria Not Met 95BSRR	2005R	2010R	2015R	2020R
C-6@S-26	2.00	0	0	0	0	0
C-51@S-155	7.80	0	0	0	0	0
C-16@S-41	7.80	0	0	0	0	0
C-15@S-40	7.80	0	0	0	0	0
Hillsboro@G-56	6.75	0	0	0	0	0
C-13@S-36	4.00	0	0	0	0	0
C-14@S-37B	6.50	0	0	0	0	0
NNRiver@G-54	3.50	0	0	0	0	0
C-9@S-29	2.00	4	3	0	0	0
C-4@S-25B	2.20	2	1	0	0	0
C-2@S-22	2.20	1	1	0	0	0

For Planning Purposes Only
Run date: 03/14/00 10:04:55
SFWMM V3.7
Script used: canal_mfl_lec.scr V1.2
canals_mfl_biscayne.report

NATURAL SYSTEMS
PERFORMANCE MEASURES
2005 SUPPLY-SIDE MANAGEMENT SCENERIO

Inundation Duration Summary for Indicator Regions

Indicator Region Number	Name	#Events NSM45F	Avg Flood Dur(Wks/Event) NSM45F	Avg Ann Hydper(Percent of Yr) NSM45F	#Events 95BSRR	Avg Flood Dur(Wks/Event) 95BSRR	Avg Ann Hydper(Percent of Yr) 95BSRR	#Events 2005R	Avg Flood Dur(Wks/Event) 2005R	Avg Ann Hydper(Percent of Yr) 2005R	#Events 2005SSM	Avg Flood Dur(Wks/Event) 2005SSM	Avg Ann Hydper(Percent of Yr) 2005SSM
1	Taylor Slough	37	33	76	39	30	74	38	30	71	38	30	71
2	West Perrine Marl Marsh	68	9	39	68	9	39	69	9	39	69	9	39
3	Mid-Perrine Marl Marsh	43	23	60	38	27	63	48	18	52	47	18	52
4	C-111 Perrine Marl Marsh	47	21	62	68	14	57	81	10	49	81	10	49
5	Model Lands South	55	19	64	63	15	58	63	15	58	63	15	58
6	Model Lands North	43	27	72	97	6	37	100	6	36	100	6	36
7	Ochopee Marl Marsh	35	32	70	37	26	60	34	32	67	33	33	67
8	Rockland Marl Marsh	37	28	65	53	9	29	35	27	58	34	27	57
9	SW Shark River Slough	9	176	98	22	65	88	20	71	89	21	68	89
10	Mid Shark River Slough	5	321	100	16	92	92	22	66	90	22	66	90
11	NE Shark River Slough	4	402	100	21	67	87	23	61	87	23	61	87
12	New Shark River Slough	32	42	82	29	45	82	40	31	76	40	31	76
13	West Slough	38	28	66	42	24	64	50	23	73	49	24	73
14	South WCA-3A	17	88	92	10	159	98	10	158	98	11	144	98
15	West WCA-3B	20	74	92	12	129	96	14	110	96	14	110	96
16	East WCA-3B	15	102	95	20	71	89	21	68	88	21	68	88
17	South Central WCA-3A	24	59	87	15	101	94	17	88	93	17	88	93
18	North Central WCA-3A	24	59	89	16	91	91	20	72	89	20	72	89
19	East WCA-3A	25	55	86	13	122	98	9	177	99	9	177	99
20	NW WCA-3A	21	70	91	31	42	80	25	52	81	25	52	81
21	NE WCA-3A	28	49	85	38	31	74	17	83	87	18	78	87
22	NW Corner WCA-3A	20	73	91	36	34	76	34	40	85	34	40	85
23	WCA-2B	21	70	92	19	71	84	25	48	74	24	50	74
24	South WCA-2A	20	74	91	17	85	90	23	60	86	23	60	86
25	North WCA-2A	30	46	86	18	77	86	16	92	92	16	92	92
26	South LNWR (WCA-1)	25	57	89	5	321	99	15	104	96	16	97	96
27	North LNWR (WCA-1)	15	99	92	12	130	96	21	71	92	21	71	92
28	Rotenberger WMA	40	31	76	52	18	59	33	36	74	33	36	74
29	Holey Land WMA	28	50	88	10	154	96	10	155	96	10	155	96
30	Corbett WMA	61	13	50	62	3	13	65	3	13	65	3	13
31	Mullet Slough	64	14	56	55	13	46	56	13	46	57	13	46
32	Upland Pine	56	15	51	57	15	52	57	15	52	57	15	52
33	Upper Mullet Slough	64	8	33	64	8	33	64	8	33	64	8	33
34	Cypress Marsh	36	35	78	42	12	31	42	12	31	42	12	31
35	Wet Prairie	31	43	82	42	19	50	42	19	50	42	19	50
36	Wetter Prairie NE	59	18	65	60	16	59	67	14	57	67	14	57
37	Wetter Prairie SW	58	17	63	69	13	56	72	12	54	72	12	54
38	Drier Cypress NW	67	10	40	67	9	38	68	9	38	68	9	38
39	Drier Cypress NE	62	14	55	64	12	48	64	12	47	64	12	47
40	Cypress	48	23	67	49	21	65	52	20	64	52	20	64
41	NW Big Cypress	54	16	53	59	12	46	59	12	46	59	12	46
42	NE Big Cypress	44	22	61	56	12	43	57	12	43	57	12	43
43	NE Corner Big Cypress	39	31	75	37	4	10	37	4	10	37	4	10
44	SW Big Cypress	62	14	54	60	14	54	60	14	54	60	14	54
45	Racoon Point	61	11	42	65	10	40	65	10	39	65	10	39
47	North C-111	48	20	60	86	5	27	57	3	12	57	3	12
48	North Bisc. Bay Groundwater 1	14	7	6	0	0	0	0	0	0	0	0	0
49	North Bisc. Bay Groundwater 2	49	15	46	0	0	0	0	0	0	0	0	0
50	Central Bisc. Bay Groundwater	0	0	0	0	0	0	0	0	0	0	0	0
51	South Bisc. Bay Groundwater	34	5	10	0	0	0	0	0	0	0	0	0
52	Pennsuco Wetlands North	21	70	91	27	49	83	27	51	85	27	51	85
53	Pennsuco Wetlands South	9	176	98	28	47	81	24	56	84	25	54	84
46	Cape Sable Sparrow A	37	30	68	36	29	66	37	33	75	37	33	75
54	Cape Sable Sparrow B	69	9	40	68	9	39	67	10	40	67	10	40
55	Cape Sable Sparrow C	46	16	47	54	13	43	47	14	41	47	14	41
56	Cape Sable Sparrow D	45	22	61	44	24	64	54	16	52	54	16	52
57	Cape Sable Sparrow E	47	17	50	52	8	26	37	23	52	37	23	52
58	Cape Sable Sparrow F	36	30	67	29	3	5	36	24	53	36	24	53
59	Western WCA-3A Snail Kite	22	66	90	17	84	89	23	60	86	23	60	86
60	Southern WCA-3A Snail Kite	18	83	92	14	110	96	14	110	95	14	110	95
61	WCA-2B1	20	72	89	48	21	64	52	16	53	52	16	53
62	WCA-2B2	24	61	91	30	39	73	34	28	59	34	28	59
63	WCA-2B3	20	74	92	14	102	89	21	62	80	21	62	80
64	WCA-2B4	25	56	87	6	265	99	10	156	97	9	174	97
65	WCA-2B5	14	110	95	10	146	91	16	84	83	17	79	83
66	N WCA-3B	27	49	82	14	108	94	15	100	93	16	94	93
67	NE WCA-3B	22	62	85	35	30	65	45	19	54	46	19	54
68	S of NE WCA-3A	28	50	86	17	89	94	20	74	92	19	78	92
69	L-67A	20	69	86	7	229	100	3	537	100	3	537	100
70	Eastern edge of SRS	58	17	61	64	13	52	59	16	58	59	16	58

Notes: #events = number of continuous ponding events over the period of record
Avg Flood Duration = [sum(days of ponding)/7]/#events
Avg Annual Hydroperiod = 100 x [sum(weeks of ponding per year)]/[52 x #years]

High Water Summary for Indicator Regions

Indicator Region Number	Name	Depth(ft) Criterion	#Events NSM45F			Avg Duration (Wks/Event) 95BSRR				Avg Ann Duration(Percent 2005R				2005SSM	
1	Taylor Slough	> 1.5	10	2	1	3	2	0	1	1	0	1	1	0
2	West Perrine Marl Marsh	> 2.0	0	0	0	0	0	0	0	0	0	0	0	0
3	Mid-Perrine Marl Marsh	> 2.0	0	0	0	0	0	0	0	0	0	0	0	0
4	C-111 Perrine Marl Marsh	> 2.0	0	0	0	0	0	0	0	0	0	0	0	0
5	Model Lands South	> 2.0	0	0	0	0	0	0	0	0	0	0	0	0
6	Model Lands North	> 1.8	0	0	0	0	0	0	0	0	0	0	0	0
7	Ochopee Marl Marsh	> 2.0	0	0	0	0	0	0	0	0	0	0	0	0
8	Rockland Marl Marsh	> 2.0	0	0	0	0	0	0	0	0	0	0	0	0
9	SW Shark River Slough	> 2.5	0	0	0	0	0	0	0	0	0	0	0	0
10	Mid Shark River Slough	> 2.5	5	11	4	1	1	0	2	7	1	2	7	1
11	NE Shark River Slough	> 2.5	15	10	9	0	0	0	14	4	3	14	4	3
12	New Shark River Slough	Undefined												
13	West Slough	Undefined												
14	South WCA-3A	> 2.5	0	0	0	35	17	37	19	6	7	19	6	7
15	West WCA-3B	> 2.5	6	6	2	1	13	1	5	11	3	5	11	3
16	East WCA-3B	> 2.5	7	9	4	4	6	1	5	14	4	5	14	4
17	South Central WCA-3A	> 2.5	0	0	0	6	11	4	5	5	1	5	5	2
18	North Central WCA-3A	> 2.5	0	0	0	6	5	2	2	6	1	2	6	1
19	East WCA-3A	> 2.5	0	0	0	39	22	54	41	8	20	40	8	20
20	NW WCA-3A	> 2.5	0	0	0	1	1	0	0	0	0	0	0	0
21	NE WCA-3A	> 2.0	2	2	0	2	8	1	3	2	0	3	2	0
22	NW Corner WCA-3A	> 2.5	0	0	0	0	0	0	0	0	0	0	0	0
23	WCA-2B	> 2.5	4	5	1	26	9	15	23	8	11	23	8	11
24	South WCA-2A	> 2.5	0	0	0	2	1	0	0	0	0	0	0	0
25	North WCA-2A	> 2.5	0	0	0	0	0	0	0	0	0	0	0	0
26	South LNWR (WCA-1)	> 2.5	0	0	0	36	13	30	31	14	27	31	14	27
27	North LNWR (WCA-1)	> 2.5	0	0	0	4	1	0	5	2	1	5	2	1
28	Rotenberger WMA	> 1.5	17	5	5	0	0	0	0	0	0	0	0	0
29	Holey Land WMA	> 1.5	22	8	12	42	14	38	41	17	44	39	18	44
30	Corbett WMA	Undefined												
31	Mullet Slough	Undefined												
32	Upland Pine	Undefined												
33	Upper Mullet Slough	Undefined												
34	Cypress Marsh	Undefined												
35	Wet Prairie	Undefined												
36	Wetter Prairie NE	Undefined												
37	Wetter Prairie SW	Undefined												
38	Drier Cypress NW	Undefined												
39	Drier Cypress NE	Undefined												
40	Cypress	Undefined												
41	NW Big Cypress	Undefined												
42	NE Big Cypress	Undefined												
43	NE Corner Big Cypress	Undefined												
44	SW Big Cypress	Undefined												
45	Racoon Point	Undefined												
47	North C-111	> 1.8	0	0	0	0	0	0	0	0	0	0	0	0
48	North Bisc. Bay Groundwater 1	Undefined												
49	North Bisc. Bay Groundwater 2	Undefined												
50	Central Bisc. Bay Groundwater	Undefined												
51	South Bisc. Bay Groundwater	Undefined												
52	Pennsuco Wetlands North	> 2.0	16	8	8	5	1	0	4	3	1	4	3	1
53	Pennsuco Wetlands South	> 2.0	40	13	33	4	1	0	3	3	1	3	3	0
46	Cape Sable Sparrow A	Undefined												
54	Cape Sable Sparrow B	Undefined												
55	Cape Sable Sparrow C	Undefined												
56	Cape Sable Sparrow D	Undefined												
57	Cape Sable Sparrow E	Undefined												
58	Cape Sable Sparrow F	Undefined												
59	Western WCA-3A Snail Kite	Undefined												
60	Southern WCA-3A Snail Kite	Undefined												
61	WCA-2B1	> 2.5	0	0	0	0	0	0	0	0	0	0	0	0
62	WCA-2B2	> 2.5	3	4	1	3	2	0	2	2	0	2	2	0
63	WCA-2B3	> 2.5	5	7	2	37	20	45	24	22	33	24	22	33
64	WCA-2B4	> 2.5	0	0	0	31	29	56	30	23	42	30	23	43
65	WCA-2B5	> 2.5	13	6	5	24	46	69	25	35	55	26	34	55
66	N WCA-3B	> 2.5	1	1	0	2	9	1	5	12	4	5	12	4
67	NE WCA-3B	> 2.5	0	0	0	3	10	2	5	13	4	5	13	4
68	S of NE WCA-3A	> 2.5	0	0	0	25	6	9	7	7	3	7	7	3
69	L-67A	> 1.5	13	8	6	15	93	87	18	75	83	18	75	83
70	Eastern edge of SRS	Undefined												

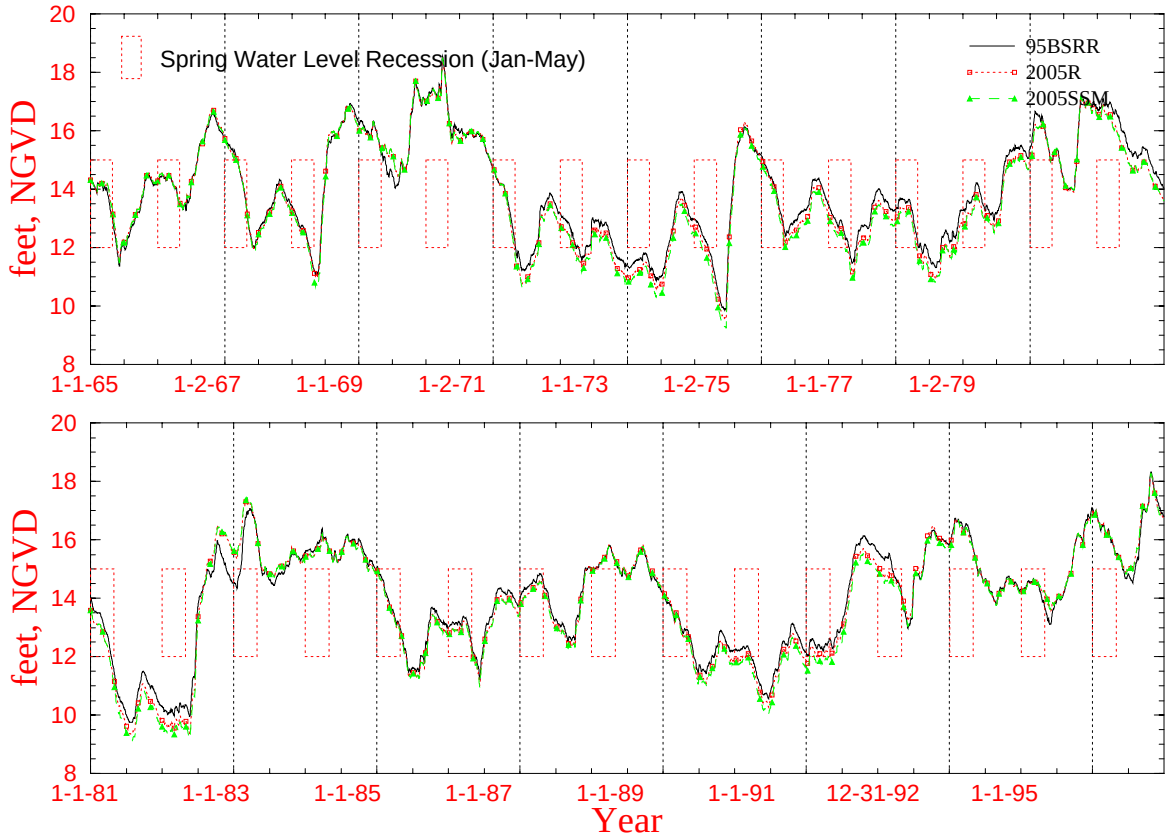
Notes: #events = number of events with depths continuously greater than the criterion over the period of recor
Avg Duration of High Water Events = [sum(days over criterion)/7]/#events
Avg Annual Duration of High Water(Percent) = 100 x [sum(weeks over criterion)]/[52 x #years]

Low Water Summary for Indicator Regions

Indicator Region Number	Name	Depth(ft) Criterion	#Events NSM45F			Avg Duration (Wks/Event) 95BSRR			Avg Ann Duration(Percent 2005R			2005SSM		
1	Taylor Slough	< −1.5	20	4	5	21	5	6	27	4	7	27	4	7
2	West Perrine Marl Marsh	< −1.5	36	7	16	37	8	18	35	8	17	35	8	17
3	Mid−Perrine Marl Marsh	< −1.5	28	8	13	20	3	4	31	4	7	31	4	7
4	C−111 Perrine Marl Marsh	< 0.5	54	24	80	56	24	83	43	34	90	43	34	90
5	Model Lands South	< 0.5	56	23	81	51	28	87	43	33	87	43	33	87
6	Model Lands North	< 0.2	54	14	46	42	37	95	41	38	96	41	38	96
7	Ochopee Marl Marsh	< −1.5	17	8	9	22	9	12	22	7	9	22	7	9
8	Rockland Marl Marsh	< −1.5	21	10	13	42	11	30	26	13	20	26	13	20
9	SW Shark River Slough	< −1.0	1	5	0	17	4	5	16	4	4	16	4	4
10	Mid Shark River Slough	< −1.0	1	1	0	8	6	3	12	5	4	12	5	4
11	NE Shark River Slough	< −1.0	1	1	0	8	8	4	12	6	4	12	6	4
12	New Shark River Slough	< −1.0	17	7	8	18	7	8	20	8	10	20	8	10
13	West Slough	< −1.5	22	7	10	21	8	11	17	6	6	17	6	6
14	South WCA−3A	< −1.0	8	4	2	0	0	0	1	1	0	1	1	0
15	West WCA−3B	< −1.0	3	2	0	1	1	0	1	2	0	1	2	0
16	East WCA−3B	< −1.0	1	1	0	11	4	3	13	4	3	13	4	3
17	South Central WCA−3A	< −1.0	8	7	3	6	4	1	8	4	2	8	4	2
18	North Central WCA−3A	< −1.0	9	5	3	9	6	4	10	6	4	10	6	4
19	East WCA−3A	< −1.0	10	6	4	1	1	0	0	0	0	0	0	0
20	NW WCA−3A	< −1.0	6	6	2	18	7	8	18	7	8	18	7	8
21	NE WCA−3A	< −1.0	15	7	7	18	11	12	12	8	6	13	8	6
22	NW Corner WCA−3A	< −1.0	7	5	2	25	8	12	16	6	6	15	6	6
23	WCA−2B	< −1.0	5	5	1	18	6	7	21	9	12	20	9	12
24	South WCA−2A	< −1.0	6	8	3	13	5	4	16	5	5	16	5	5
25	North WCA−2A	< −1.0	8	8	4	13	7	6	8	6	3	8	6	3
26	South LNWR (WCA−1)	< −1.0	10	4	2	0	0	0	2	1	0	2	1	0
27	North LNWR (WCA−1)	< −1.0	8	4	2	2	3	0	4	3	1	4	4	1
28	Rotenberger WMA	< −1.0	18	8	9	33	9	19	24	7	10	24	7	10
29	Holey Land WMA	< −1.0	14	6	5	4	2	0	2	5	1	2	5	1
30	Corbett WMA	Undefined												
31	Mullet Slough	Undefined												
32	Upland Pine	< −7.0	0	0	0	0	0	0	0	0	0	0	0	0
33	Upper Mullet Slough	Undefined												
34	Cypress Marsh	< −6.0	0	0	0	0	0	0	0	0	0	0	0	0
35	Wet Prairie	< −6.0	0	0	0	0	0	0	0	0	0	0	0	0
36	Wetter Prairie NE	< −6.0	0	0	0	0	0	0	0	0	0	0	0	0
37	Wetter Prairie SW	< −6.0	0	0	0	0	0	0	0	0	0	0	0	0
38	Drier Cypress NW	< −5.0	0	0	0	0	0	0	0	0	0	0	0	0
39	Drier Cypress NE	< −5.0	0	0	0	0	0	0	0	0	0	0	0	0
40	Cypress	< −4.0	0	0	0	0	0	0	0	0	0	0	0	0
41	NW Big Cypress	< −3.0	13	5	4	13	5	4	13	5	4	13	5	4
42	NE Big Cypress	< −3.0	6	5	2	10	6	4	10	6	4	10	6	4
43	NE Corner Big Cypress	< −3.0	0	0	0	21	6	7	21	6	7	21	6	7
44	SW Big Cypress	< −3.0	9	6	3	10	7	4	10	7	4	10	7	4
45	Racoon Point	Undefined												
47	North C−111	< 0.0	47	14	41	85	14	75	58	25	89	58	25	89
48	North Bisc. Bay Groundwater 1	< −5.1	18	4	5	1	1612	100	1	1612	100	1	1612	100
49	North Bisc. Bay Groundwater 2	< −5.0	0	0	0	25	63	98	16	100	99	16	100	99
50	Central Bisc. Bay Groundwater	< −7.5	3	3	1	76	11	51	83	12	60	84	11	60
51	South Bisc. Bay Groundwater	< −3.0	30	9	17	80	12	61	79	12	61	79	12	61
52	Pennsuco Wetlands North	< −1.0	3	2	0	24	6	8	26	4	6	23	4	6
53	Pennsuco Wetlands South	< −1.0	1	1	0	23	7	11	24	6	9	23	6	9
46	Cape Sable Sparrow A	Undefined												
54	Cape Sable Sparrow B	Undefined												
55	Cape Sable Sparrow C	Undefined												
56	Cape Sable Sparrow D	Undefined												
57	Cape Sable Sparrow E	Undefined												
58	Cape Sable Sparrow F	Undefined												
59	Western WCA−3A Snail Kite	Undefined												
60	Southern WCA−3A Snail Kite	Undefined												
61	WCA−2B1	< −1.0	10	5	3	25	9	14	33	10	21	32	11	21
62	WCA−2B2	< −1.0	6	4	2	18	11	12	29	11	19	29	10	19
63	WCA−2B3	< −1.0	4	6	1	8	7	4	17	7	7	17	7	7
64	WCA−2B4	< −1.0	16	4	4	3	4	1	4	4	1	4	4	1
65	WCA−2B5	< −1.0	4	6	2	16	8	7	24	9	14	23	9	13
66	N WCA−3B	< −1.0	21	5	6	9	2	1	6	2	1	5	3	1
67	NE WCA−3B	< −1.0	15	5	5	31	8	16	44	10	27	46	9	27
68	S of NE WCA−3A	< −1.0	13	5	4	8	4	2	9	5	3	9	5	3
69	L−67A	Undefined												
70	Eastern edge of SRS	Undefined												

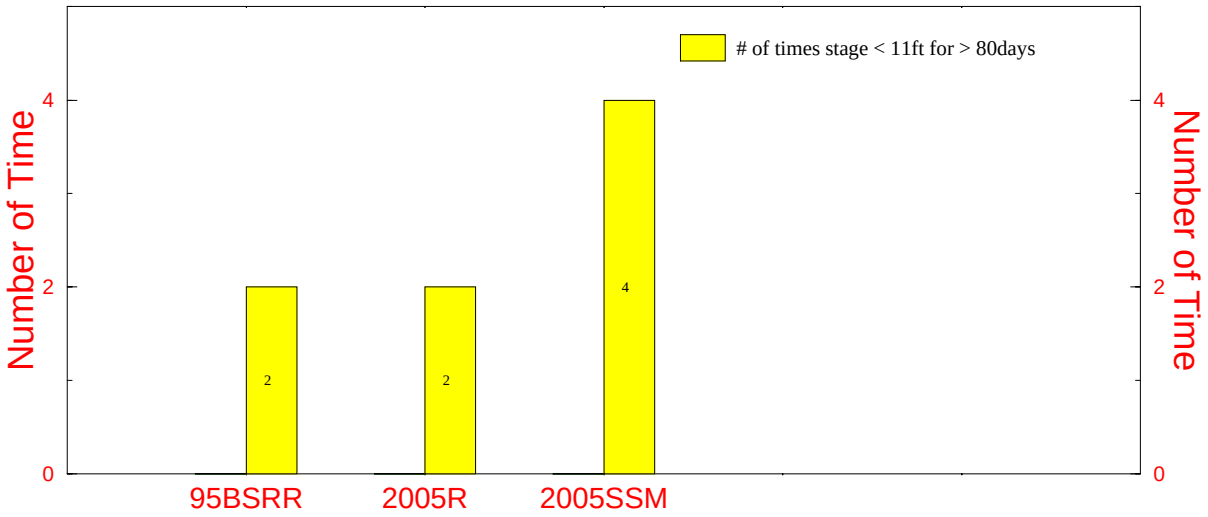
Notes: #events = number of events with depths continuously less than the criterion over the period of record
Avg Duration of Low Water Events = [sum(days below criterion)/7]/#events
Avg Annual Duration of Low Water(Percent) = 100 x [sum(weeks below criterion)]/[52 x #years]

Daily Stage Hydrographs for Lake Okeechobee
Spring Water Level Recession Windows



Run date: 03/22/00 00:52:55
For Planning Purposes Only
SFWMM V3.7

Number of Times LOK Proposed Minimum Water Level & Duration Criteria were Exceed During the 1965-1995 Simulation

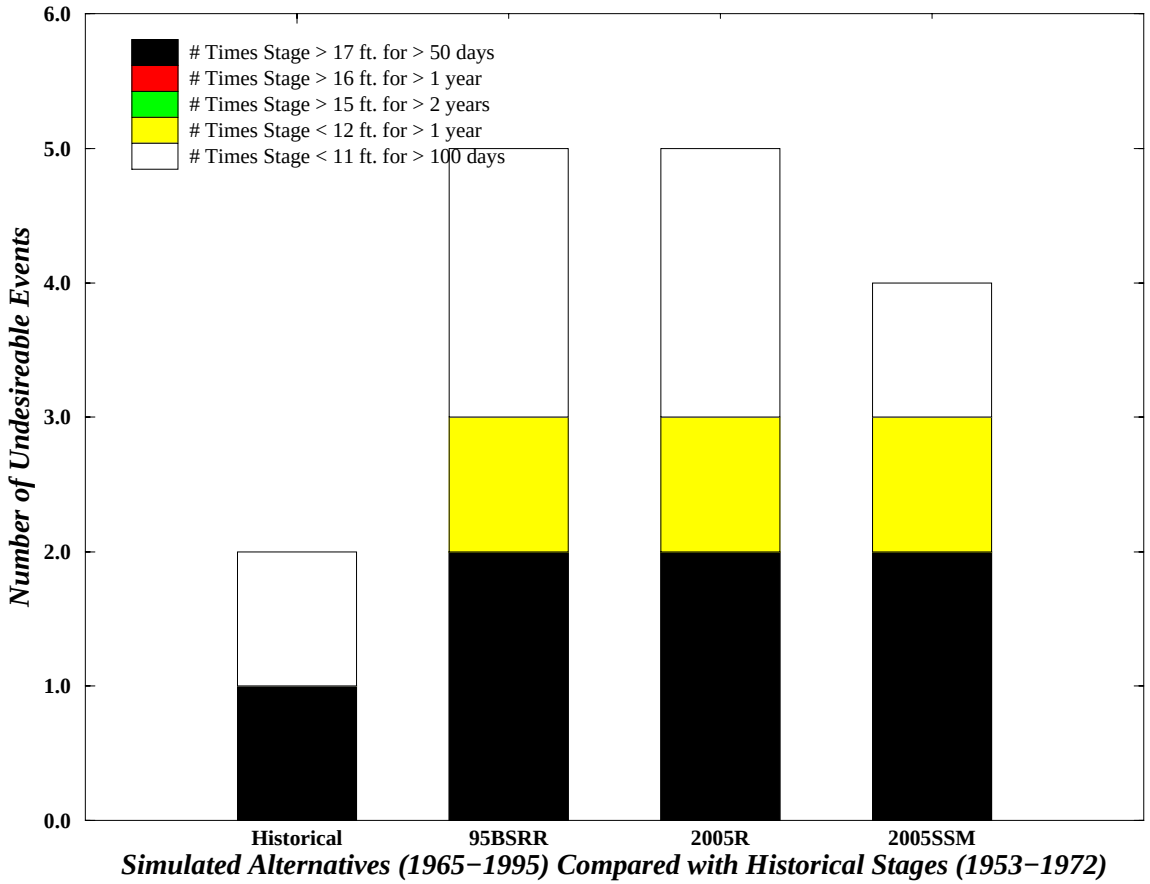


Note:

Target: Minimum Level, duration and Return Frequency − Water levels in Lake Okeechobee should not fall below 11ft NGVD for greater than 80 days more often than once every six years (Target derived from 1952−1995 historical stage data for Lake Okeechobee).

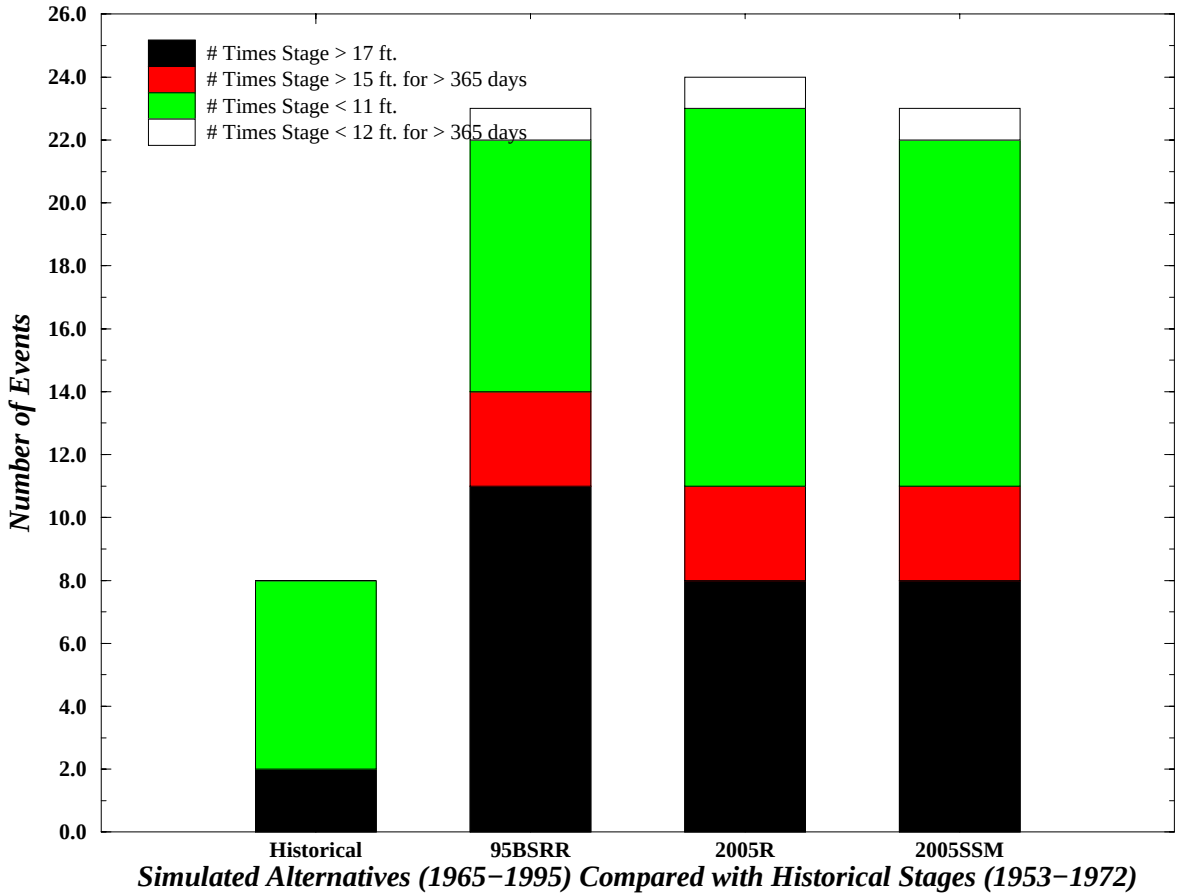
Run date: 03/21/00 21:44:12
For Planning Purposes Only
SFWMM V3.7

Number of Undesireable Lake Okeechobee Stage Events

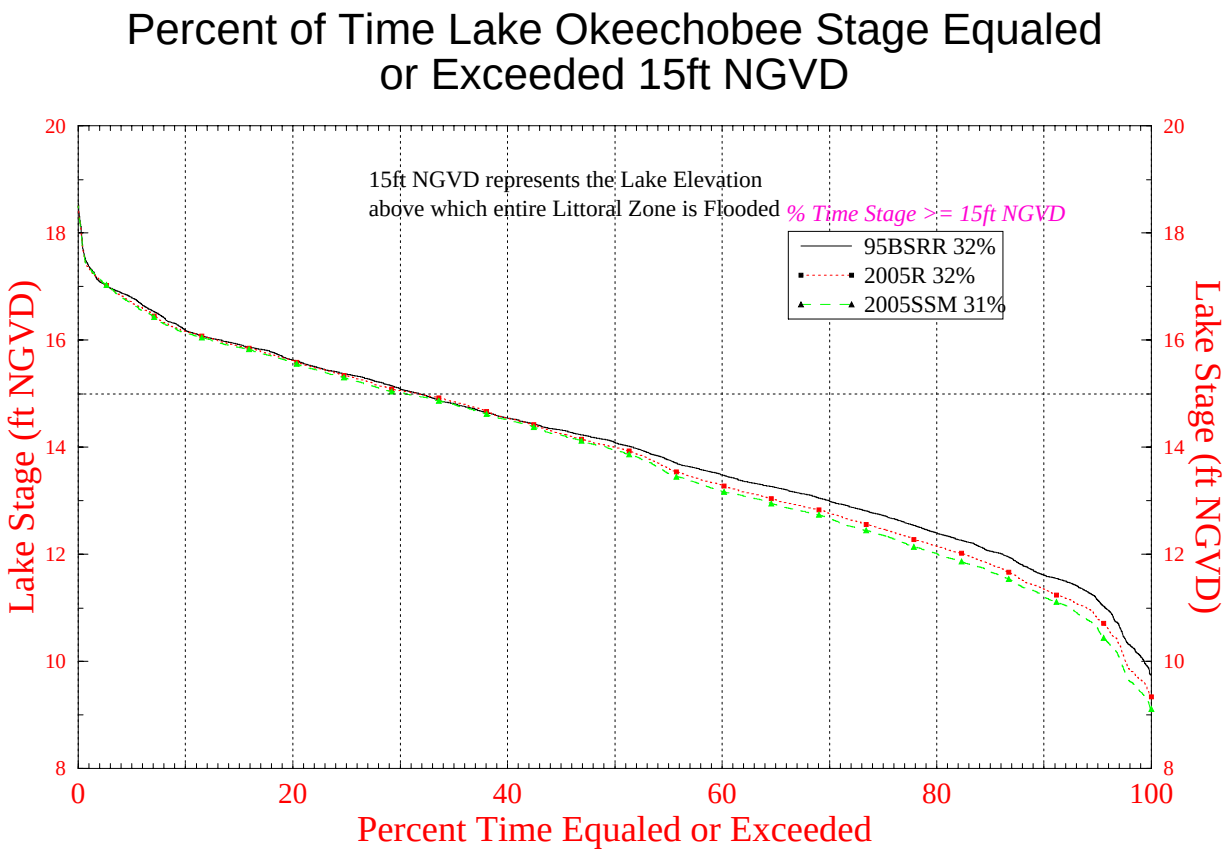


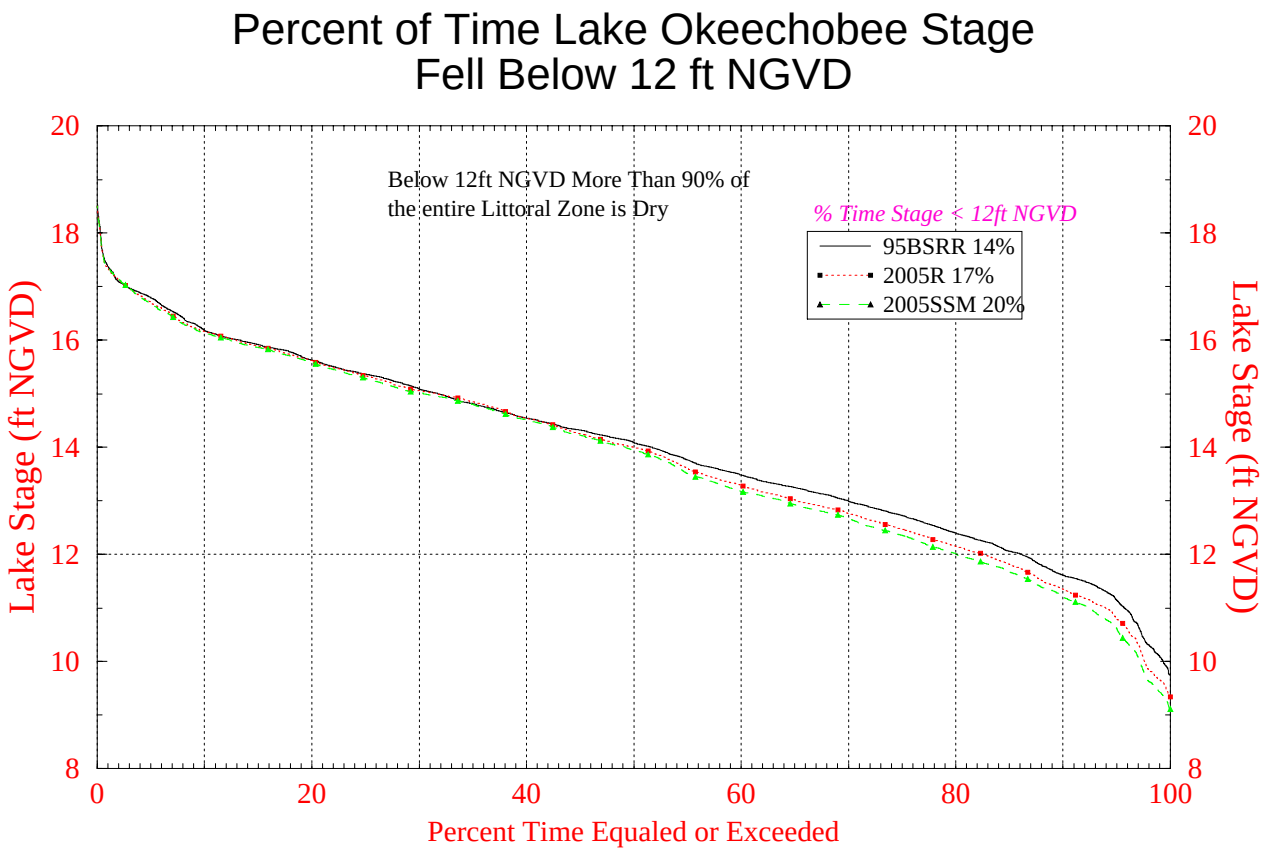
Run date: 03/22/00 03:32:51
For Planning Purposes Only
SFWMM V3.7

Priority Hydrologic Performance Measures

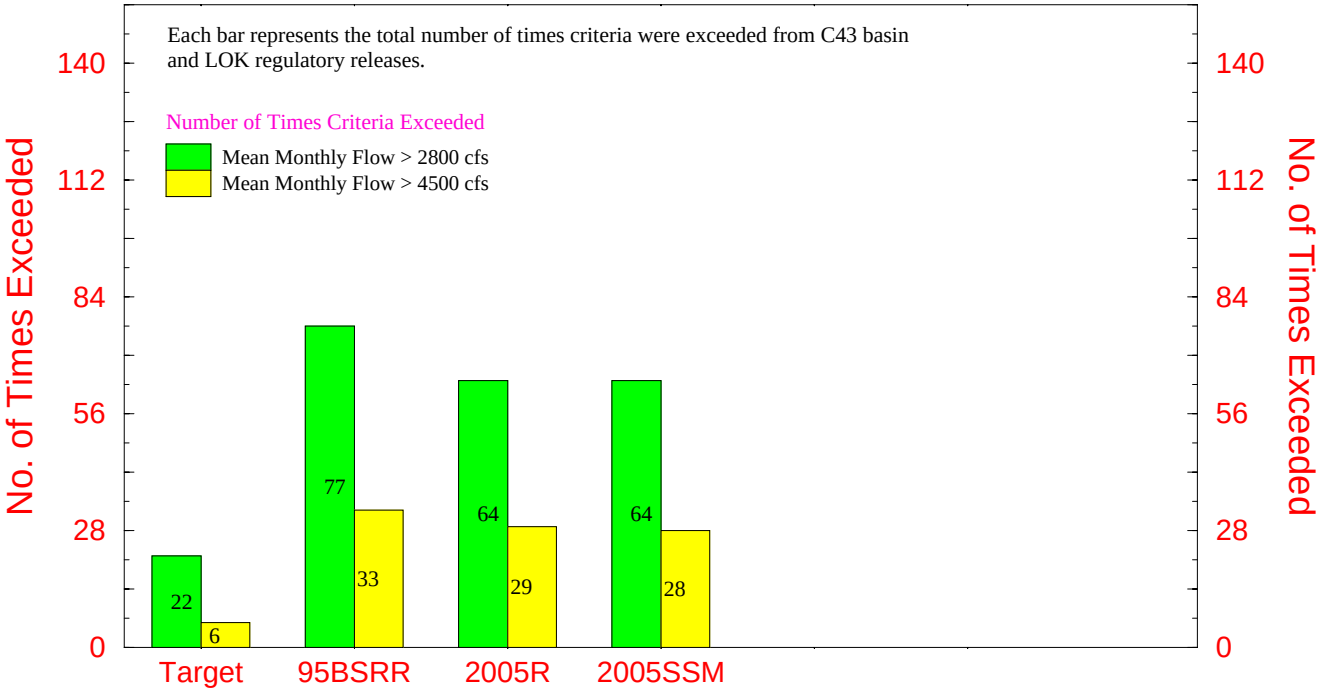


Run date: 03/22/00 03:33:16
For Planning Purposes Only
SFWMM V3.7


Percent of Time Lake Okeechobee Stage Equaled
or Exceeded 15ft NGVD
15ft NGVD represents the Lake Elevation
above which entire Littoral Zone is Flooded
% Time Stage >= 15ft NGVD
95BSRR 32%
2005R 32%
2005SSM 31%
Lake Stage (ft NGVD)
Percent Time Equaled or Exceeded
0
20
40
60
80
100
8
10
12
14
16
18
20

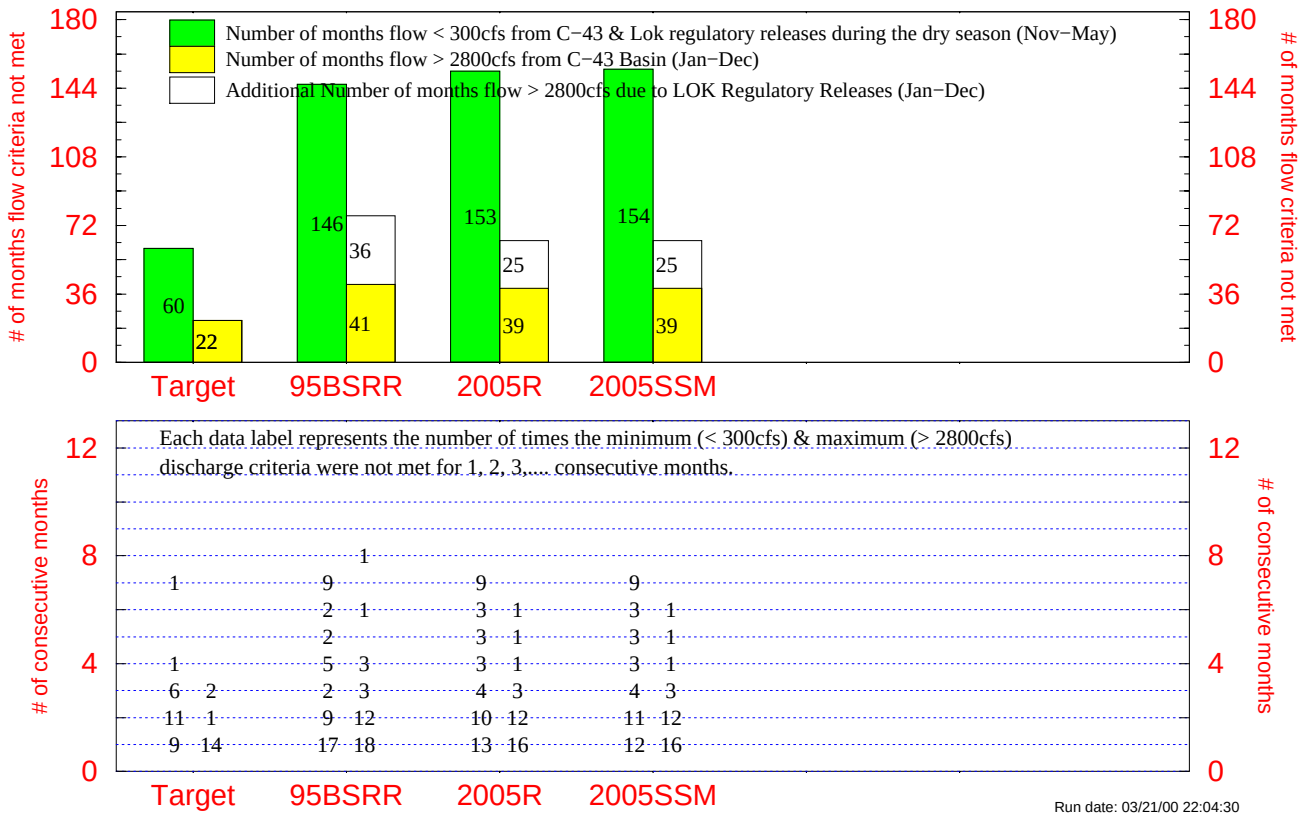

Percent of Time Lake Okeechobee Stage
Fell Below 12 ft NGVD
Below 12ft NGVD More Than 90% of
the entire Littoral Zone is Dry
% Time Stage < 12ft NGVD
95BSRR 14%
2005R 17%
2005SSM 20%
Lake Stage (ft NGVD)
Lake Stage (ft NGVD)
Percent Time Equaled or Exceeded
20
18
16
14
12
10
8
0
20
40
60
80
100

Number of Times High Discharge Criteria (mean monthly flows > 2800 & 4500 cfs) were exceeded for the Caloosahatchee Estuary

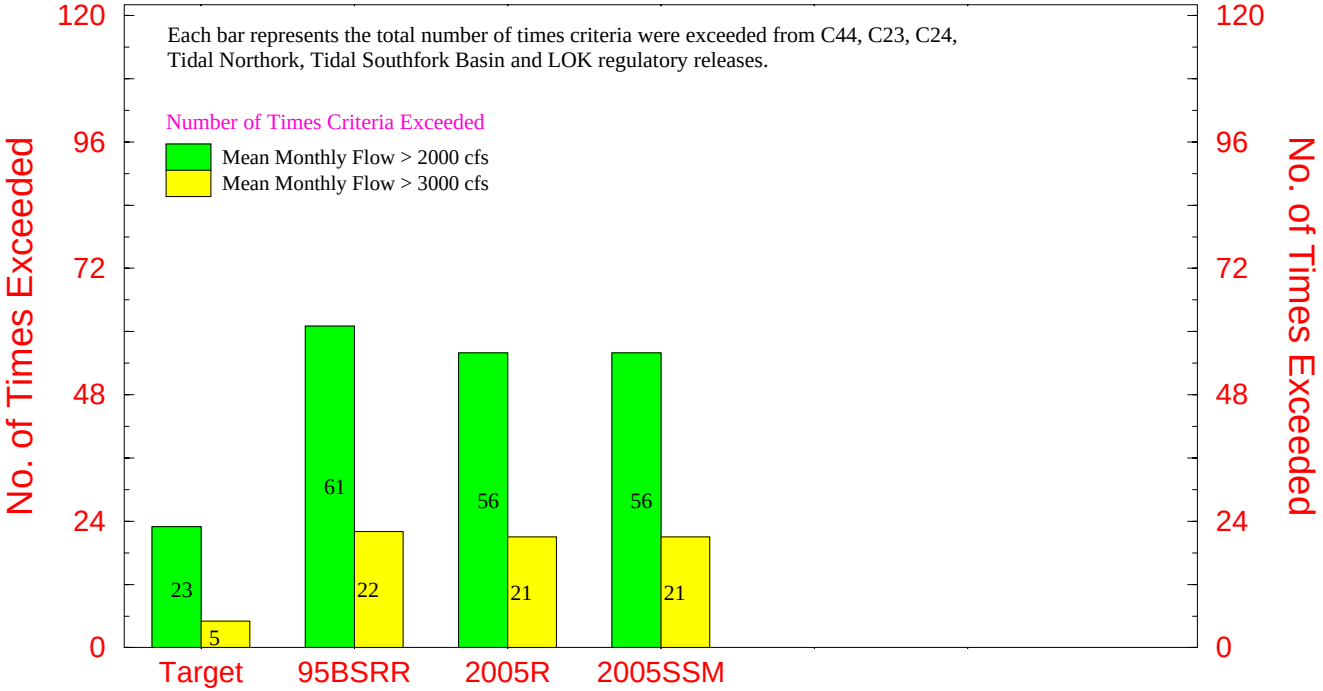


Run date: 03/21/00 22:04:31
For Planning Purposes Only
SFWMM V3.7

Number of times Salinity Envelope Criteria were NOT met for the Calooshatchee Estuary (mean monthly flows 1965 - 1995)



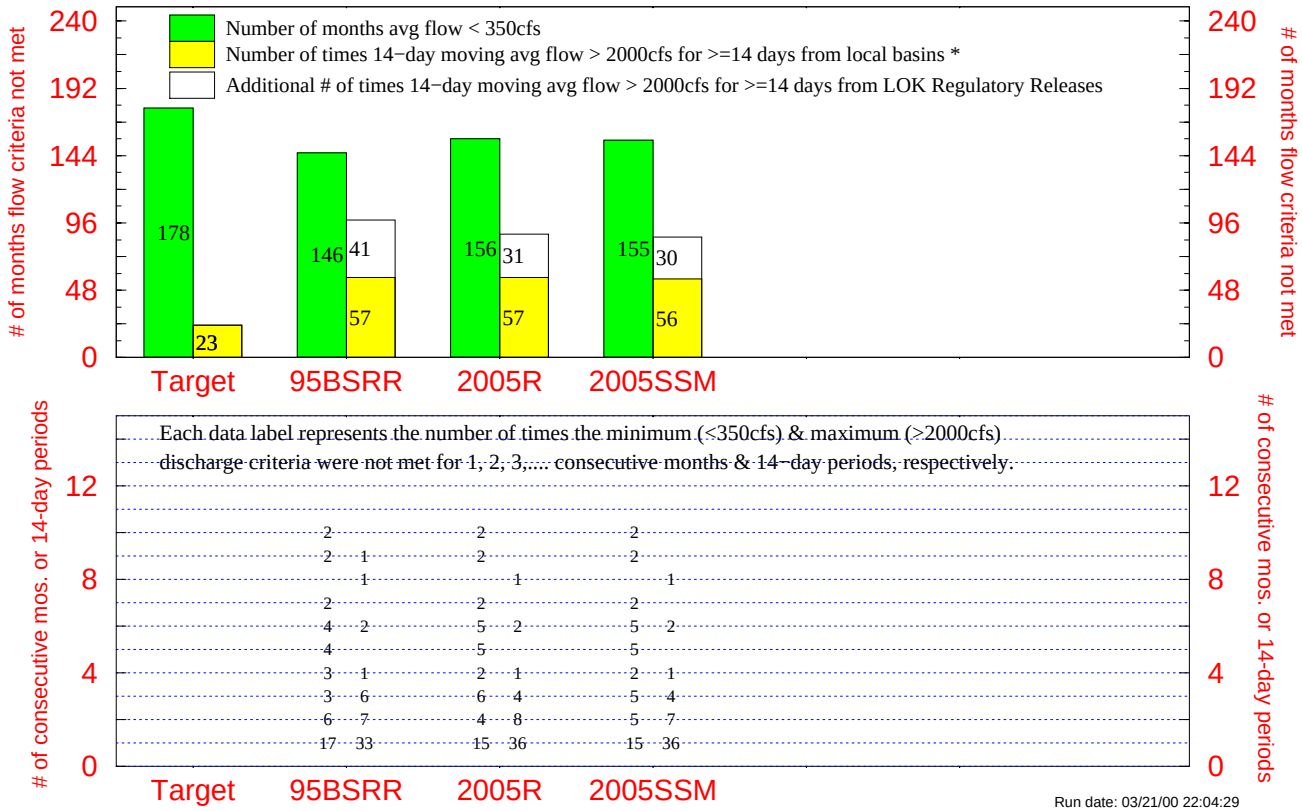
Number of Times High Discharge Criteria (mean monthly flows > 2000 & 3000 cfs) were exceeded for the St. Lucie Estuary



Note: A favorable maximum monthly flow was developed for the estuary (2000 cfs) that will theoretically provide suitable salinity conditions which promote the development of important benthic communities (eg. oysters & shoalgrass). Mean monthly flows above 3000 cfs result in freshwater conditions throughout the entire estuary causing severe impacts to estuarine biota.

Run date: 03/21/00 22:04:29
For Planning Purposes Only
SFWMM V3.7

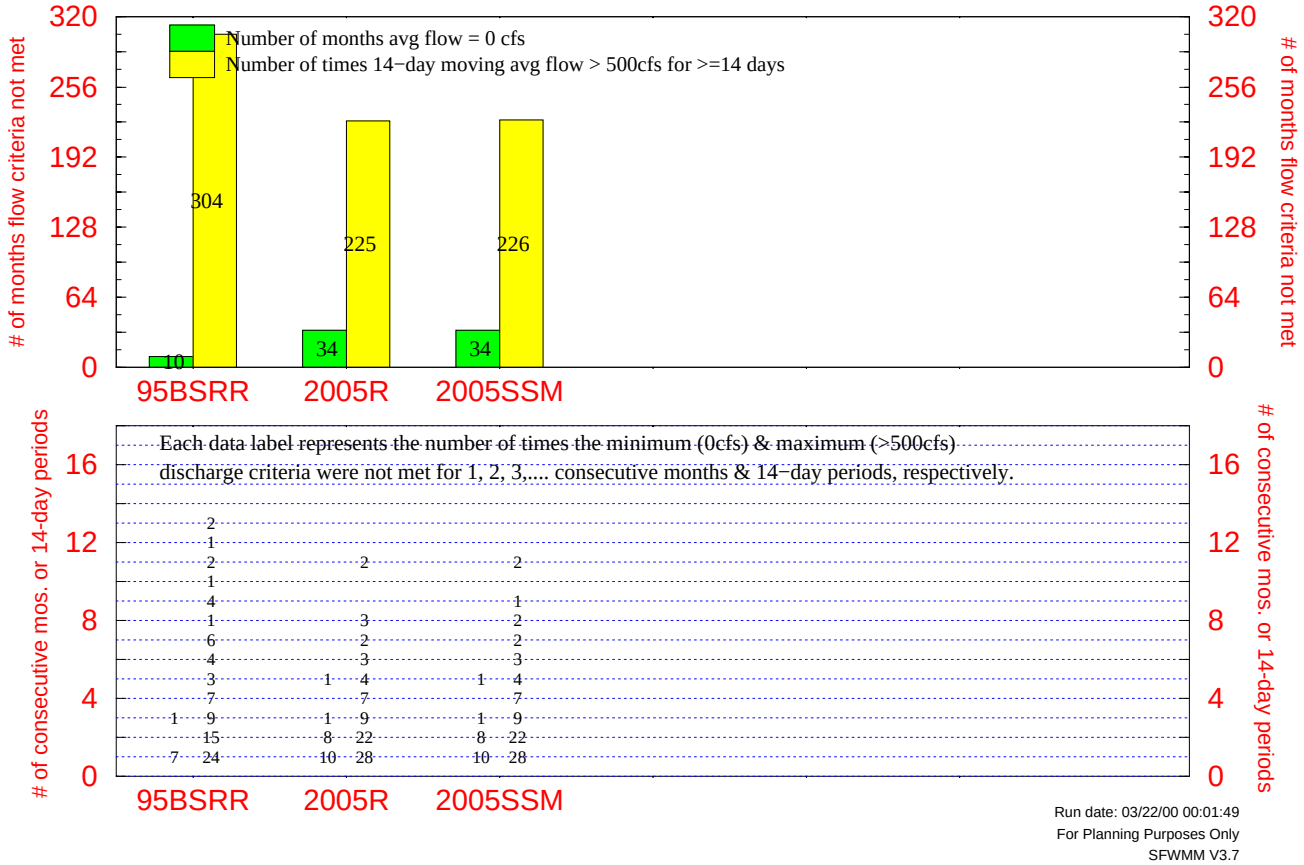
Number of times Salinity Envelope Criteria were NOT met for the St. Lucie Estuary



Note: local basins include the C−44, C−23, C−24, North Fork, and South Fork Basins

Run date: 03/21/00 22:04:29
For Planning Purposes Only
SFWMM V3.7

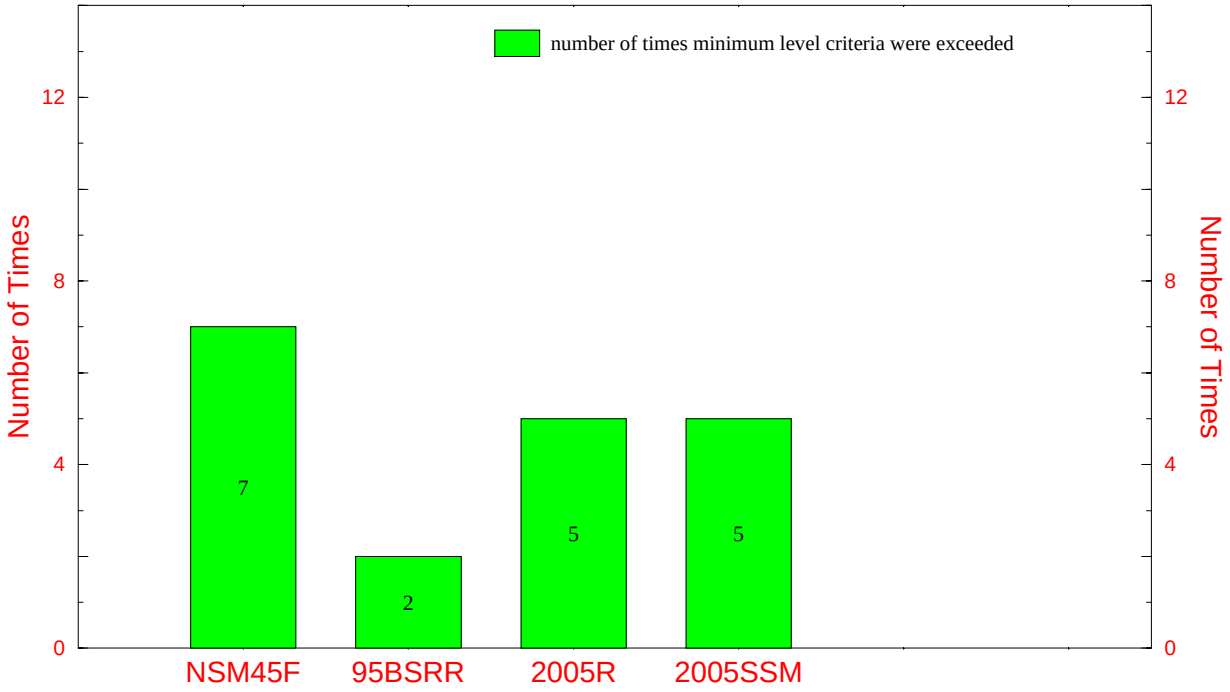
Number of times Salinity Envelope Criteria were NOT met for the Lake Worth Lagoon (mean monthly flows 1965 - 1995)



Run date: 03/22/00 00:01:49
For Planning Purposes Only
SFWMM V3.7

No. of Times Minimum Level Criteria were exceeded* in North LNWR (WCA-1) , (Gage 1-7)

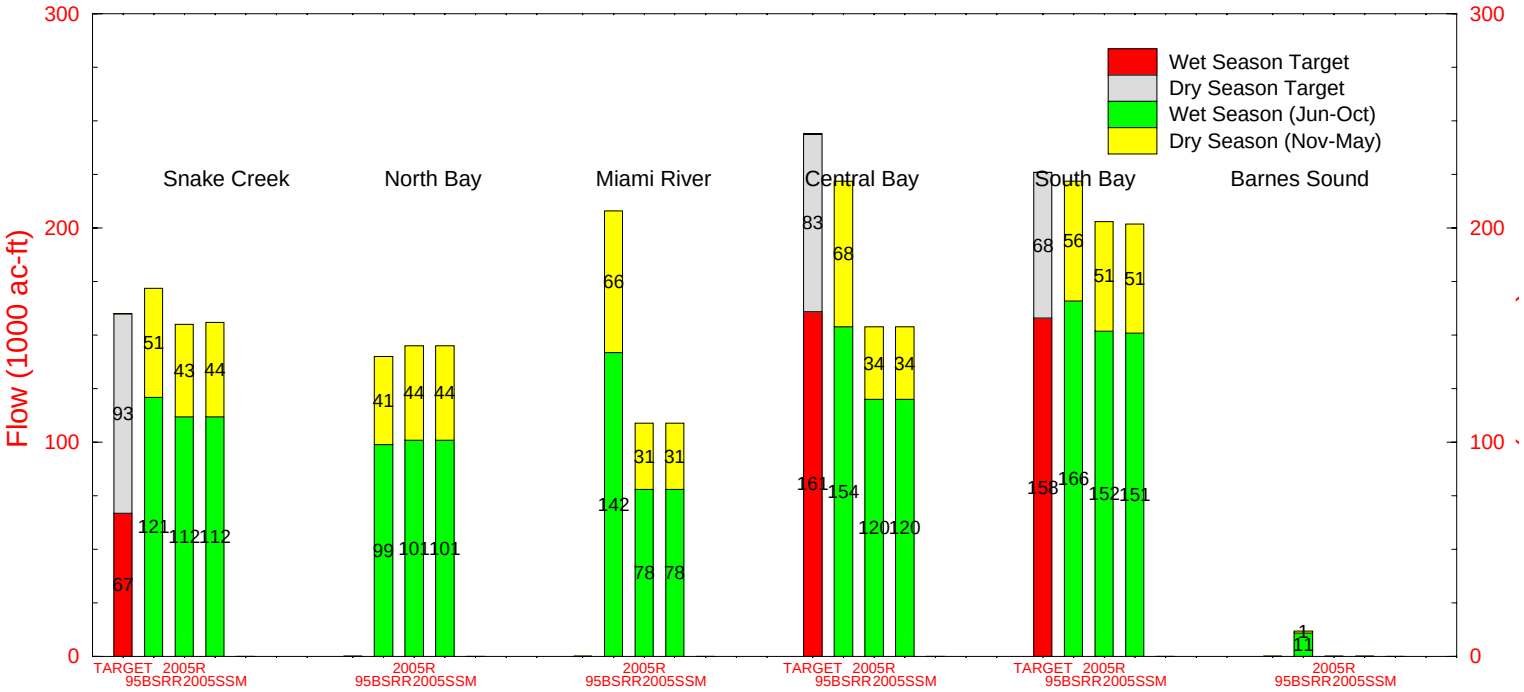
Indicator Region 27 (R47C30-34 R48C30-33 R49C30-33 R50C30-32 R51C30-31)



*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

For Planning Purposes Only
Run date: 03/22/00 04:35:17
SFWMM V3.7
Script used: mfl_ind_regions.scr V1.4
ind_reg_minlvl_barchart_count.IR27.G1_7.fig

Simulated Mean Annual Surface Flows Discharged into Biscayne Bay for the 1965 - 1995 simulation period



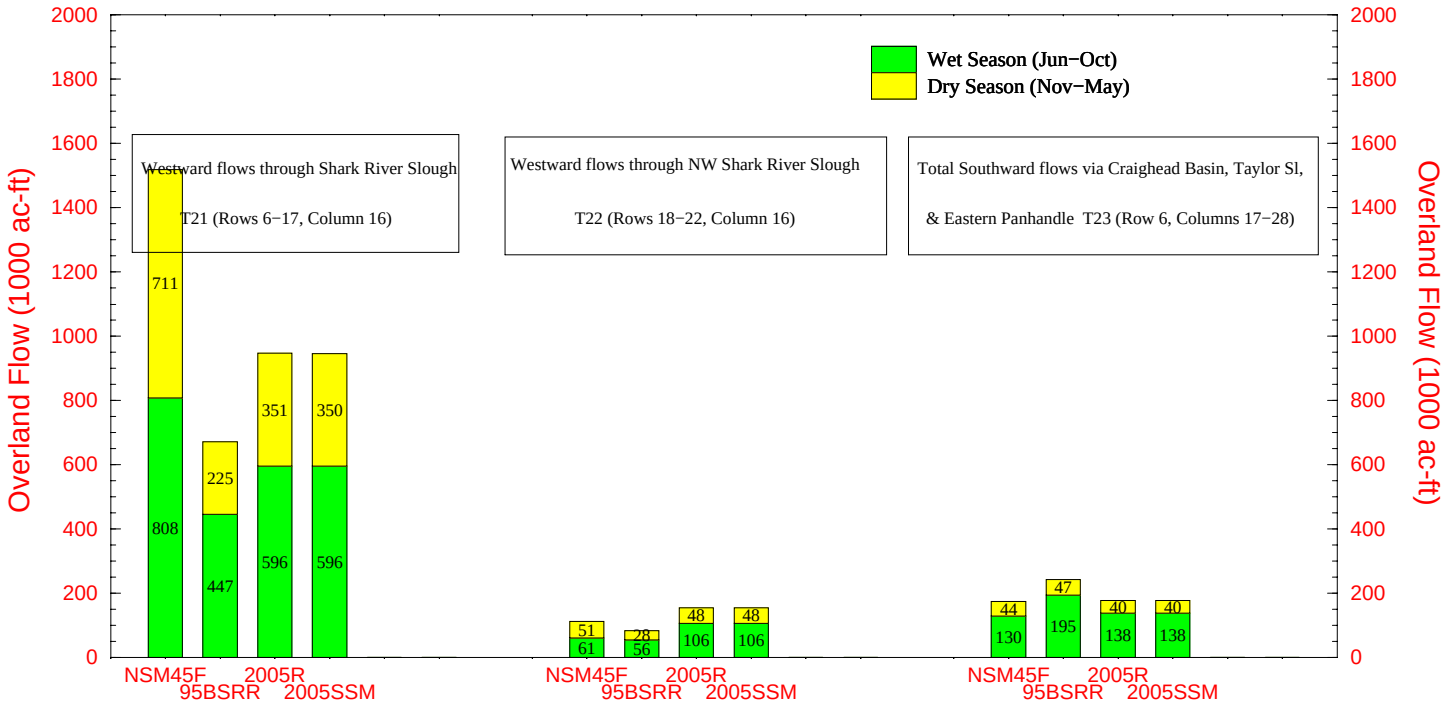
Note: Snake Creek=S29; North Bay=G58+S28+S27; Miami River=S26+S25B+S25; Central=G97+S22+S123; South=S21+S21A+S20F+S20G; Barnes Sound=S197

Targets for Central and South Bay reflect a 30% increase in mean annual dry season flows over the 95 Base
Targets for Snake Creek reflect a minimum monthly flow volume of 13,300 ac-ft (x 5 months for wet season and x 7 months for dry season) to maintain salinity levels below 20 ppt.

Run date: 03/21/00 22:06:09
For Planning Purposes Only
SFWMM V3.7

Average Annual Overland Flows toward Whitewater Bay and Florida Bay

for the 31 year simulation period



Note: NSM flows are NOT targets and are shown for comparative purposes only.

Run date: 03/22/00 00:02:34
For Planning Purposes Only
SFWMM V3.7

Minimum Flow and Level Criteria for the Biscayne Aquifer

Failure to meet MFL stage criteria at control structures for 180 days or more

Canal/ Structure	MFL Stage (ft.)	Number of Times MFL Criteria Not Met 95BSRR	2005R	2005SSM
C-6@S-26	2.00	0	0	0
C-51@S-155	7.80	0	0	0
C-16@S-41	7.80	0	0	0
C-15@S-40	7.80	0	0	0
Hillsboro@G-56	6.75	0	0	0
C-13@S-36	4.00	0	0	0
C-14@S-37B	6.50	0	0	0
NNRiver@G-54	3.50	0	0	0
C-9@S-29	2.00	0	0	0
C-4@S-25B	2.20	0	0	0
C-2@S-22	2.20	0	0	0

Failure to meet MFL stage criteria at control structures for 90 days or more

Canal/ Structure	MFL Stage (ft.)	Number of Times MFL Criteria Not Met 95BSRR	2005R	2005SSM
C-6@S-26	2.00	0	0	0
C-51@S-155	7.80	0	0	0
C-16@S-41	7.80	0	0	0
C-15@S-40	7.80	0	0	0
Hillsboro@G-56	6.75	0	0	0
C-13@S-36	4.00	0	0	0
C-14@S-37B	6.50	0	0	0
NNRiver@G-54	3.50	0	0	0
C-9@S-29	2.00	4	3	3
C-4@S-25B	2.20	2	1	2
C-2@S-22	2.20	1	1	1

For Planning Purposes Only
Run date: 03/22/00 03:13:55
SFWMM V3.7
Script used: canal_mfl_lec.scr V1.2
canals_mfl_biscayne.report

Appendix I
OTHER RELATED DOCUMENTS

Proposed Methodology for Defining and Assessing the 1-in-10 Year Level of Certainty for the Lower East Coast Planning Area I-3

Primary Water Budget Components Derived from Incremental Simulations of the SFWMM I-13

Assessment of Caloosahatchee Design Elements in the Restudy and LEC Plan Using Revised Caloosahatchee Hydrology I-25

PROPOSED METHODOLOGY FOR DEFINING AND ASSESSING THE 1-IN-10 YEAR LEVEL OF CERTAINTY FOR THE LOWER EAST COAST PLANNING AREA

Problem Statement. Determine if the level of certainty for water supply is consistent with the planning goal of 1-in-10 year drought protection on a regional and subregional basis within the Lower East Coast (LEC) Planning Area.

BACKGROUND

Section 373.0361, Florida Statutes (HB 715), sets a planning goal for regional water supply plans of identifying existing and future reasonable and beneficial uses and meeting these needs during a 1-in-10 year drought event. The law also requires identification of water supply options necessary to meet the 1-in-10 year level of certainty planning goal. Staff have recommended that the water supply development components of the plan meet this level of certainty through the District's Consumptive Use Permitting (CUP) process and criteria.

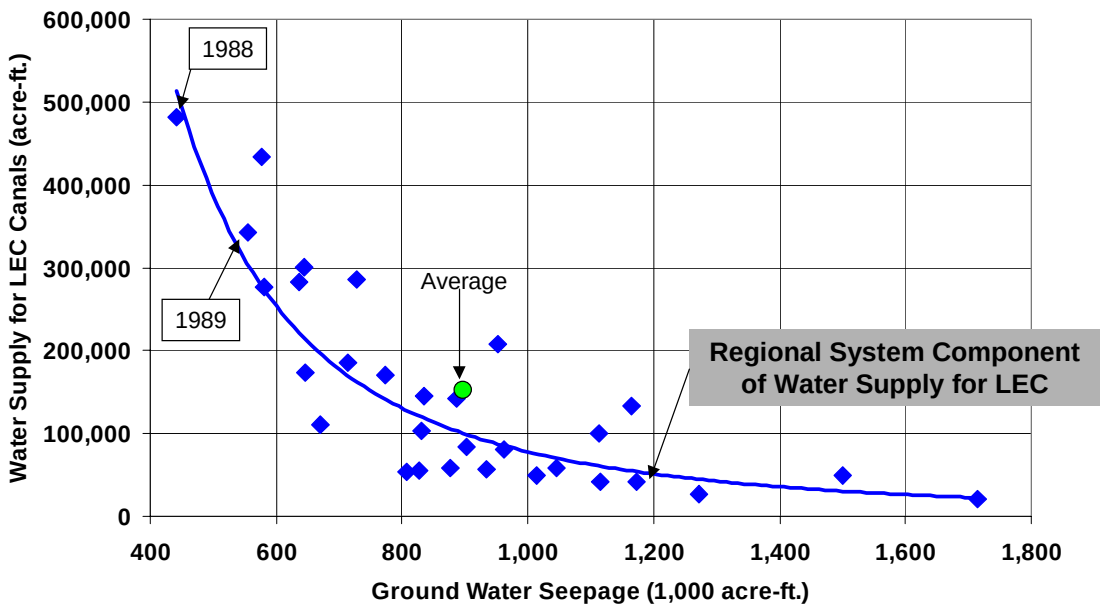
In order to determine if the planning goal will be met, it is necessary to develop a definition of the 1-in-10 year level of certainty on a regional and subregional basis. A subcommittee of the Lower East Coast (LEC) Regional Water Supply Advisory Committee was formed and given the task of developing, along with District staff, a workable definition of the 1-in-10 year level of certainty. With the 1-in-10 year definition established, the regional and subregional models would be used to determine if a plan alternative meets the planning goal.

Regional Level of Certainty

A proposed definition for the 1-in-10 year level of certainty for the regional system was developed based on the concept that water levels in Lake Okeechobee would not fall into supply-side management conditions more than three times in 31 years. The regional model, known as the South Florida Water Management Model (SFWMM), was been used extensively in the Central and Southern Florida Project Comprehensive Review Study (Restudy) and other LEC planning efforts. For this plan, the *Lower East Coast Regional Water Supply Plan* (LEC Plan), it would be used to assess if the regional level of certainty criteria were met. The demands on the lake simulated in the regional model would incorporate the pumpage from the 2020 with Restudy alternative and would be evaluated under the hydrologic conditions that occurred between 1965 and 1995.

Subregional Level of Certainty

The subregional area consists of the LEC service areas east of the north/south levees and includes ground water and surface water inflows from the regional system. On the subregional level, the 1-in-10 year level of certainty criteria initially discussed by the subcommittee was to meet the demands resulting from a localized rainfall drought conditions with a return frequency of approximately once in ten years over a duration of 12 months under average regional inflow conditions. The ability to meet the 2020 1-in-10 year demands would be assessed using the subregional ground water models. Regional water supply deliveries to the LEC service areas were defined as the sum of the surface water deliveries through the primary canal system plus the ground water seepage beneath the western levees. Average daily regional inflows for both surface and ground water would be calculated from the regional model based on the 31-year simulation period (**Figure I-1**). These average daily data would be used for the boundary conditions of the subregional model analysis.



Notes:
The data corresponds to the 2020 with Restudy alternative presented to the advisory committee in July 1999.
Each point corresponds to the 12-month period starting in November every year.
The trend lines highlight the inverse relationship between the two variables.

Figure I-1. Regional Water Supply for LEC Canals versus Ground Water Seepage to the east in the 2020 with Restudy Alternative (November through October period).

However, during the evaluation of the proposal, it was determined that the use of the calculated average daily data would take significant time to compile. Staff proposed an alternative approach using the actual daily levels calculated by the regional model during the selected 1-in-10 year drought for the subregional boundary conditions. This proposed modification was discussed and agreed to by the subcommittee.

Should the subregional model results yield satisfactory results with the regional inflows as described above, it will be necessary to check the availability of surface water back to Lake Okeechobee. Staff proposes the following check back to the lake. Once the subregional models are run successfully (subregional performance measures are acceptably met) with 1-in-10 year rainfall and corresponding demands, the cumulative volumes of surface water delivered from the primary canals will be compared back to the regional model simulations for the lake. If the volumes of water needed by the canals during the 1-in-10 year drought on the subregional level are capable of being delivered by the lake, then the subregional demands are assumed to be met.

MODELING TOOLS TO BE USED IN THE ANALYSIS

The high resolution, subregional ground water models were developed, in part, to address level of certainty issues discussed here. Other applications of these models included the Water Preserve Area Feasibility Study (WPA) analyses for the Restudy, the assessment of potential impacts of permit criteria on the cumulative impacts of all withdrawals, and to support individual water supply development planning of permit holders. Originally, staff's intent was to develop these applications concurrently through the water supply planning process. However, the complexity associated with the model configurations resulted in delays. The subregional models are now completed using daily time steps over an eight-year period of record. The models contain many layers, necessary for certain analyses, such as the evaluation of seepage control of the WPAs. As a result, the models are computationally rigorous and not well suited for regulatory or localized permit planning.

Once the high resolution subregional planning models were complete, the models were to be revised and documented for regulatory applications. The regulatory model conversions will involve generalizing and simplifying the time steps, layering, and scope of study. The resulting models would be able to run on conventional computers and become a part of the water use permitting process. The conversion process is under way, along with the documentation. However, the amount of time needed by the public to review the regulatory models and for District staff to evaluate the proposed regulatory criteria changes and to analyze the variety of potential water supply development options proposed by the regulated public, exceeds the amount of time available. The the LEC Plan must be completed by May 2000. In order to complete the LEC Plan on schedule, the regulatory evaluation will be conducted after the plan is completed. In addition, in order to meet the planning goal on both a subregional and regional basis by May, the high resolution ground water models, along with the regional model, should be used to evaluate the 1-in-10 year level of certainty.

PROPOSED TECHNICAL EVALUATION OF THE 1-IN-10 YEAR LEVEL OF CERTAINTY

Staff proposes to modify and apply the high resolution planning models in the ways described below to determine if the LEC service areas are 1-in-10 year drought compliant. This exercise will provide a planning level answer to the level of certainty question on a subregional basis, but not necessarily on a project scale where permit issues occur (see disclaimers below). The 1-in-10 year level of certainty for Lake Okeechobee, the Everglades Agricultural Area (EAA), the Caloosahatchee River Service Area, and the C-44 Basin will be determined using the regional model results.

Rainfall Analysis

In order to save time and more accurately represent the system, staff proposed using actual historic rainfall data in the subregional planning models instead of synthetic daily data. To do this, staff competed the statistical return frequency analysis on the rainfall data from the LEC rainfall stations to identify the 1-in-10 year rainfall accumulations over a 12-month period. The 1-in-10 year drought rainfall amounts were calculated using the statistical methodology described in Appendix B of the *Upper East Coast Water Supply Plan* (SFWMD, 1998).

Originally, staff proposed to use the period of record data from 12 rainfall stations that were used in the water use permitting process. This approach was revised based on recommendations of the subcommittee to include all rainfall stations used in the regional SFWMM. This was accomplished by analyzing the cell-by-cell rainfall data used in the SFWMM simulations. The period of record for all rainfall stations was limited to 31 years (same length as the simulation). The locations of all the rainfall stations are shown on **Figure I-2**.

Based on this evaluation, the closest historic fit regionwide for the calculated 1-in-10 year drought conditions occurred from June 1989 to May 1990. The temporal and spatial distribution of the rainfall is the same as that originally configured in the regional SFWMM.

Figure I-3 shows the geographic locations where the 1-in-10 year drought conditions were generally met or exceeded. It was noted, however, that the June 1989 through May 1990 rainfall accumulations were greater than 1-in-10 year return frequency in portions of LEC Service Area 3 (Miami-Dade County). In these areas, rainfall was closer to normal conditions. As a result, staff looked at other 12-month periods to identify a closer 1-in-10 year fit. A better match for Miami-Dade County was found for the period of May 1989 to April 1990. The level of certainty subcommittee reached agreement to recommend the use of this 12-month window to represent the 1-in-10 year level of certainty for Miami-Dade County and the June 1989 to May 1990 window for the remaining service areas.

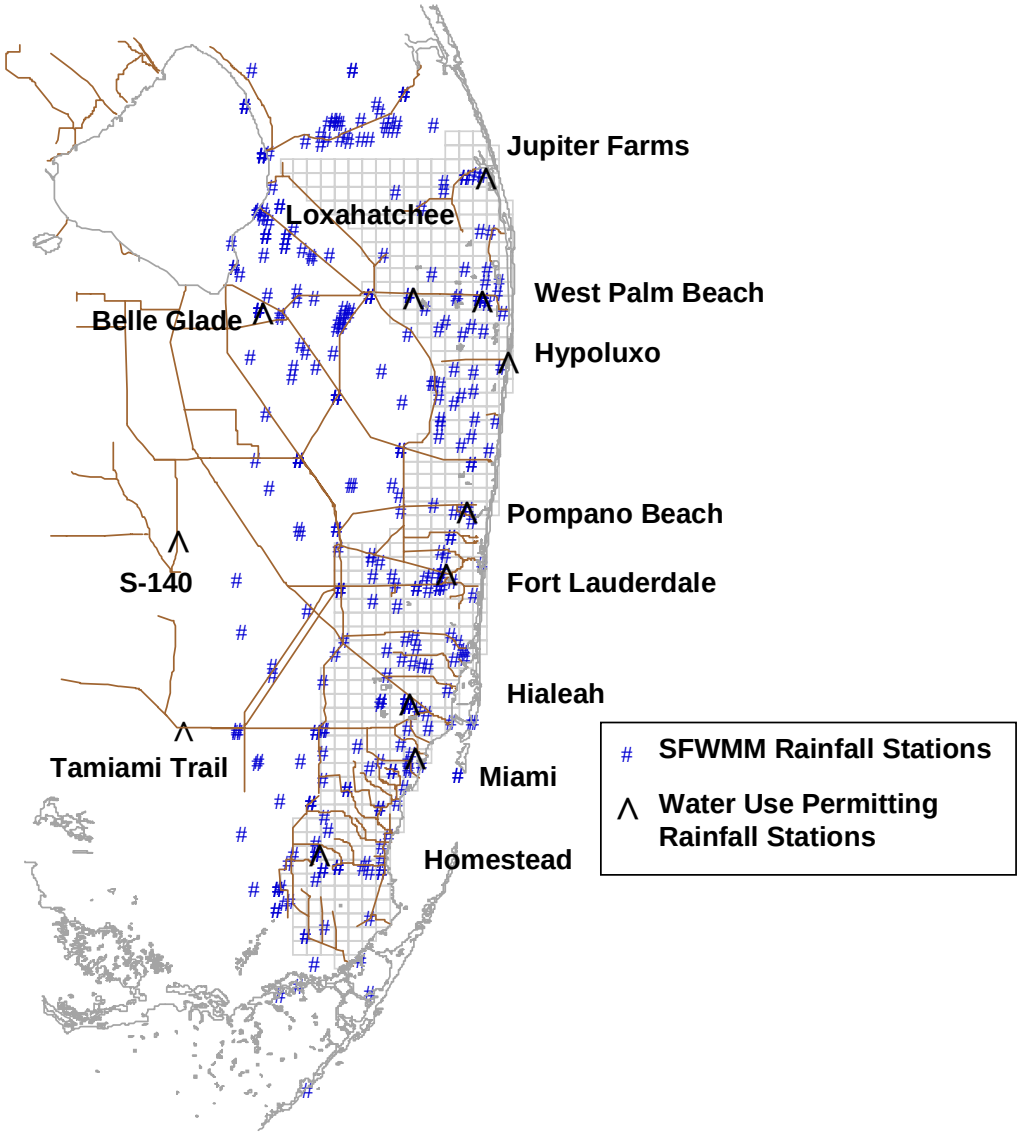


Figure I-2. Rainfall Stations Used for SFWMM Modeling and Water Use Permitting.

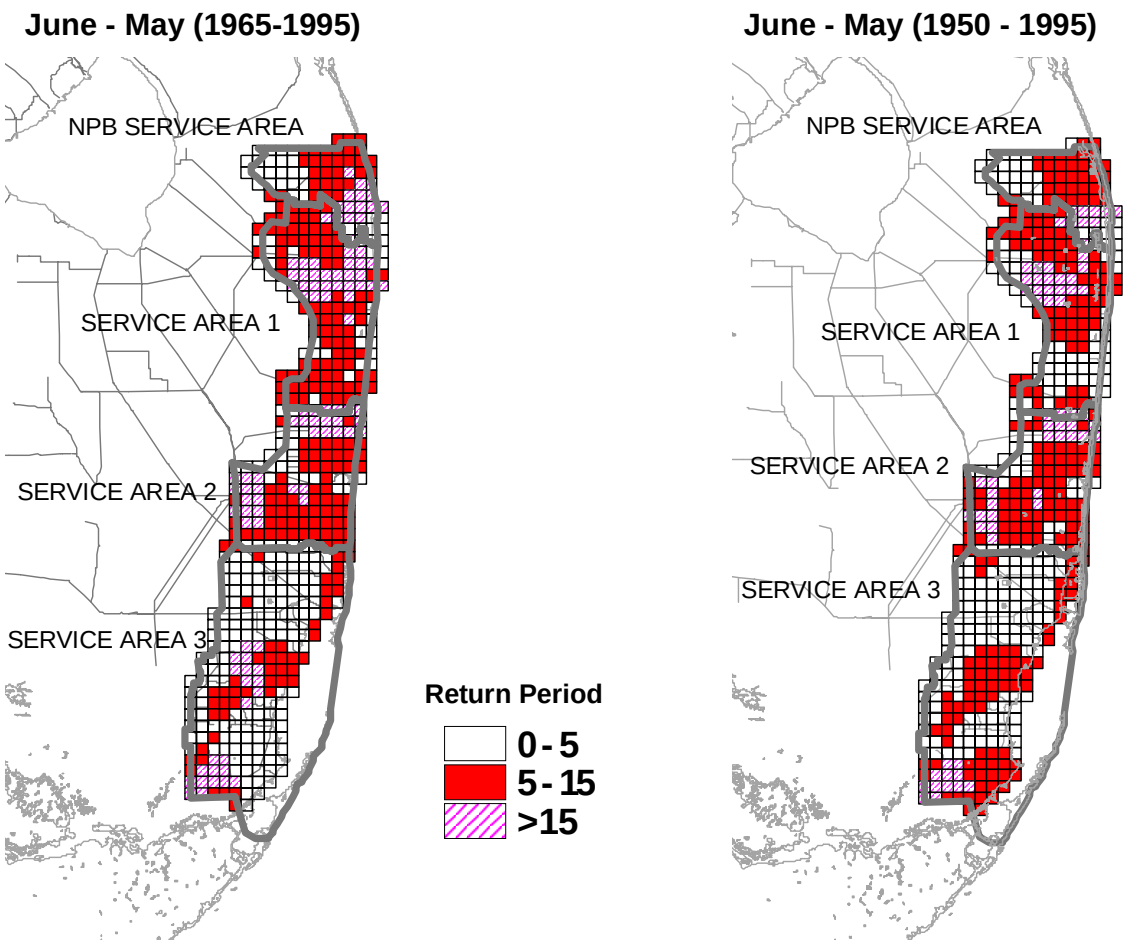


Figure I-3. Geographic Locations Where the 1-in-10 Year Drought Conditions Were Generally Met or Exceeded.

Model Analysis

Each ground water model will simulate conditions for three years (1988-1990). The simulation will begin with a warm-up period followed by the 12-month 1-in-10 year drought event (as described above), and concludes with a recovery period. The warm-up period allows the model to stabilize before the start of the 1-in-10 year drought window. The model simulation continues six to seven months beyond the drought event in order to examine how the system recovers. It should be emphasized that only the two-year period (1989-1990) will be used to evaluate system performance.

Public water supply demands will be represented by the 2020 projections prepared by staff with input from the utilities (see **Appendix B**). Irrigation demands would be based on the modified Blanney-Criddle supplemental crop irrigation method developed by the University of Florida's Institute of Food and Agricultural Sciences (IFAS) and used in the water use permitting process. The supplemental irrigation demands for this simulation were based on a 1-in-10 year drought, not the 1-in-5 year drought currently used in district

water use rules. Regional inflows from canals and ground water base flow beneath the levees would be derived from the regional SFWMM for the concurrent time periods as discussed above.

Based on this, the following procedure will be used to see if the LEC preferred alternative for 2020 is 1-in-10 year level of certainty compliant:

1. The LEC subregional models will be run with the 2020 demands and alternatives in place for the three-year simulation period from January 1988 through December 1990.
2. The LEC performance measures plus the 1-in-10 year performance measures discussed below will be simulated against the result of the three-year simulation. If acceptable subregional performance is achieved, the regional checks will be made.
3. The first regional check compares the hydropatterns generated by the SFWMM in the Water Conservation Areas (WCAs) and Everglades National Park to those of the Restudy to see if they are consistent during the same three-year simulation period.
4. The second regional check is to determine how many significant supply-side management events occur for Lake Okeechobee in the 31-year SFWMM simulation. The lake should have no more than three such significant events during the simulation period.

If all these criteria are met, the plan will be considered to meet the level of certainty planning goal.

1-IN-10 YEAR LEVEL OF CERTAINTY PERFORMANCE MEASURES

Specific performance measures that will be used to assess the impacts of demands during the 1-in-10 year drought simulations along the LEC are as follows:

- Coastal flow will be analyzed along the saline water interface. The position of the allowable inland extent of the saline interface along the coast will be defined and the performance analysis will be directed towards determining if saline water has a net annual inflow across this line as a result of pumping during a drought.
- Drawdowns of greater than one foot resulting from pumping will be evaluated for isolated wetlands located east of the levees. The regional wetland systems associated with the Everglades system will be evaluated using the performance goals established in the Restudy.
- The sum of the ground water seepage and the surface water deliveries generated during the design drought will be compared to the allowable total regional inflows into each service area during the drought as defined in the 2020 with Restudy simulation. Local demands for

regional water in excess of the flows calculated from the 2020 with Restudy simulation are not acceptable.

- Water shortage triggers will be used to determine if cutbacks would be imposed. Imposing water use restrictions under the 1-in-10 year level of certainty is not considered a success.
- Lake Okeechobee, based on a regional check, must have no more than three significant supply-side management events during the 31-year simulation.

DISCLAIMERS

The purpose of this analysis is to determine if the LEC Plan meets the 1-in-10 year level of certainty planning goal. While the approach used here is very similar to that used in the evaluation of a consumptive use permit application, this process is not meant to replace the future rulemaking process discussed below. Therefore, the water supply development options included in this planning process will need to be refined in order for the project to be permitted. The approach described in this appendix is based on meeting the definition of 1-in-10 year level of certainty that was provided through the subcommittee. Should the definitions change, the approach described above may have to be modified.

REGULATORY ANALYSIS

As stated above, staff are in the process of modifying the high resolution models configured for planning applications to meet regulatory applications. These modifications will include the following:

- The 1-in-10 year rainfall will be synthetically calculated on a monthly basis using the methodology described in the *Upper East Coast Water Supply Plan* (SFWMD, 1998) distributed across Thiessen polygons from rainfall stations that will be defined in District water use rules.
- All irrigation demands will be evaluated based on the modified Blanney-Criddle formula for a 1-in-10 year drought averaged on a monthly basis. Return flows to ground water, where applicable, will be accounted for as proposed by rule. Public water supply systems demands will be distributed over a monthly time step based on historic use patterns.
- Transient model runs will use monthly time steps starting with average rainfall/demand months (March, April, and May) followed by the 12-month 1-in-10 year drought simulation and nine months of average conditions.
- District staff will work with the public through meetings of a subcommittee of the LEC Regional Water Supply Advisory Committee

to evaluate and refine the regulatory aspects of the LEC recommended plan and the impacts of the proposed rule changes.

REFERENCES

SFWMD. 1998. *Upper East Coast Water Supply Plan*. Planning Department, South Florida Water Management District, West Palm Beach, FL.

PRIMARY WATER BUDGET COMPONENTS DERIVED FROM INCREMENTAL SIMULATIONS OF THE SFWMM

This portion of Appendix I presents specific information regarding the primary water budget components of the SFWMM Version 3.7 simulations performed for the *Lower East Coast Regional Water Supply Plan* (LEC Plan). The information presented is derived from the 1995 Revised Base Case, the LEC incremental (2005, 2010, and 2015), and the LEC-1 Revised simulations. The capabilities of each incremental simulation depend on the water resource and water supply development features and the operational rules and strategies included in each simulation. Key information about the structural and operational components in the incremental simulations is provided in **Table I-1**. While the operational rules and strategies simulated reasonably represent existing operations and adjustments that will be made as components come on line, they are only illustrative of the capabilities of the system. Final decisions about the operating criteria will depend on additional planning, detailed designs, and as-built conditions. Decision points for the operating rules will include rulemaking that will adopt reservations of water, Minimum Flows and Levels (MFL), and MFL recovery and prevention plans.

The simulation results are presented in **Tables I-2** through **I-7**. Three pairs of tables contain information on the Lake Okeechobee water budget, the average amount of water delivered from individual plan components, and the water delivered to basins to meet demands from individual plan components. The first of each pair presents average annual information, while the second presents the average for five drought years (1971, 1975, 1981, 1985, and 1989) occurring during the 31-year simulation.

Table I-1. Summary of Key Structural and Operational Components and Assumptions.

Key Structural Components	Key Operational Components and Assumptions
1995 Revised Base Case	
• Present system components	• Water Supply and Environmental (WSE) Schedule in Lake Okeechobee • Agricultural Field-Scale Irrigation Requirements Simulation (AFSIRS) demands and runoff in the Caloosahatchee Basin • Big Cypress Seminole Entitlement • No Best Management Practice (BMP) makeup water • No Everglades Agriculture Area (EAA) runoff reduction • Rainfall plan deliveries to Everglades National Park
2005	
• Everglades Construction Project • Modified water deliveries as in the General Design Memorandum • C-111 Project • Utility preferred redistribution of wellfields • Utility Aquifer Storage and Recovery (ASR) in Miami-Dade County (25 MGD) • Broward Secondary Canal System (north only)	• Operational changes due to the Everglades Construction Project • WSE schedule in Lake Okeechobee • Regulation schedules in Water Conservation Areas (WCAs) 1, 2A, and 2B. • Rain-driven operations in WCA-3A and 3B • Rain-driven operation for deliveries to Everglades National Park
2010	
• Everglades Construction Project • L-31 seepage management without seepage barrier and new S336B structure to help Biscayne Bay • WCA-3A and 3B seepage management • Phase 1 of WCA-3A Decompartmentalization - Fill Miami Canal in WCA-3A • WCA-3B Decompartmentalization - Degrade L-29 Levee but leave L-29 Canal - Remove S-355 structures - S-356 structure redirected into Everglades National Park buffer area • Leave S-333 structure in place • C-111 Project • EAA Reservoir (180,000 ac-ft) • EAA North Surge Tank (120,000 ac-ft) • C-43 Reservoir (160,000 ac-ft) • C-44 Reservoir (30,000 ac-ft) • Site-1 Reservoir (14,760 ac-ft) • C-9 Impoundment (10,000 ac-ft) • C-11 Impoundment (6,400 ac-ft) • Taylor Creek Nubbin Slough Reservoir (50,000 ac-ft) • Utility preferred wellfield distribution • Utility ASR in Miami Dade County (50 MGD) • Broward Secondary Canal System (all)	• WSE schedule modified to send water to EAA reservoirs • Regulation schedule in WCA-1 • Rain-driven operations in WCA-2A, 2B, 3A, and 3B • Rain-driven operation for deliveries to Everglades National Park
2015	
• Everglades Construction Project • L-31 seepage management without seepage barrier and new S336B structure to help Biscayne Bay • WCA-3A and 3B seepage management • Phase 1 of WCA-3A Decompartmentalization - Fill Miami Canal in WCA-3A • WCA-3B Decompartmentalization - Degrade L-29 Levee but leave L-29 Canal - Remove S-355 structures - S-356 structure redirected into Everglades National Park buffer area • Leave S-333 structure in place • C-111 Project • North of Lake Okeechobee Reservoir (201,250 ac-ft)	• WSE schedule modified to send water to EAA reservoirs and Lake Okeechobee ASR • Regulation schedule in WCA-1 • Rain-driven operations in WCA-2A, 2B, 3A, and 3B • Rain-driven operation for deliveries to Everglades National Park

Table I-1. Summary of Key Structural and Operational Components and Assumptions. (Continued)

Key Structural Components	Key Operational Components and Assumptions
• EAA Reservoir (180,000 ac-ft) • EAA North Surge Tank (120,000 ac-ft) • EAA South Surge Tank (60,000 ac-ft) • C-43 Reservoir (160,000 ac-ft) • C-44 Reservoir (30,000 ac-ft) • Southern L-8 Reservoir (50,000 ac-ft) • Palm Beach Agricultural Reserve Reservoir (19,920 ac-ft) • Site-1 Reservoir (14,760 ac-ft) • C-9 Impoundment (10,000 ac-ft) • C-11 Impoundment (6,400 ac-ft) • Taylor Creek Nubbin Slough Reservoir (50,000 ac-ft) • Bird Drive Reservoir (11,500 ac-ft) • C-43 ASR (220 MGD) • Lake Okeechobee ASR (500 MGD) • C-51 Regional ASR (170 MGD) • West Palm Beach Catchment Area ASR (50 MGD) • Palm Beach County Agricultural Reserve Reservoir ASR (75 MGD) • Site-1 ASR (150 MGD) • Utility preferred redistribution of wellfields • Utility ASR in Miami-Dade County (75 MGD)	
LEC-1 Revised	
• Everglades Construction Project • L-31 seepage management with seepage barrier • WCA-3A and 3B seepage management • Phase I and II WCA-3A Decompartmentalization - S-356 structure redirected into Everglades National Park buffer area • North of Lake Okeechobee Reservoir (201,250 ac-ft) • EAA Reservoir (180,000 ac-ft) • EAA North Surge Tank (120,000 ac-ft) • EAA South Surge Tank (60,000 ac-ft) • C-43 Reservoir (160,000 ac-ft) • C-44 Reservoir (30,000 ac-ft) • Southern L-8 Reservoir (50,000 ac-ft) • Palm Beach Agricultural Reserve Reservoir (19,920 ac-ft) • Site-1 Reservoir (14,760 ac-ft) • C-9 Impoundment (10,000 ac-ft) • C-11 Impoundment (6,400 ac-ft) • Taylor Creek Nubbin Slough Reservoir (50,000 ac-ft) • Bird Drive Reservoir (11,500 ac-ft) • C-43 ASR (220 MGD) • Lake Okeechobee ASR (1000 MGD) • C-51 Regional ASR (170 MGD) • West Palm Beach Catchment Area ASR (50 MGD) • Palm Beach County Agricultural Reserve Reservoir ASR (75 MGD) • Site-1 ASR (150 MGD) • Miami-Dade County reuse facilities (131 MGD south facility; 50 MGD west facility) • Utility preferred wellfield distribution • Utility ASR in Miami-Dade County (75 MGD) • North Lake Belt Storage Area (43,500 ac-ft) • Central Lake Belt Storage Area (92,160 ac-ft)	• WSE Schedule modified to send water to EAA reservoirs and Lake Okeechobee ASR • Regulation schedule in WCA-1 • Rain-driven operations in WCA-2A, 2B, 3A, and 3B • Overland flow from WCA3A and 3B to Everglades National Park as all structures are removed

Table I-2. Average Annual Lake Okeechobee Water Budgets
(all estimates are in units of 1,000 ac-ft).

	1995 Revised Base Case	2005	2010	2015	LEC-1 Revised
Inflows					
Rainfall	1,684	1,684	1,684	1,684	1,684
Fixed inflows (Modified Delta Storage [MDS])	942	942	942	942	942
Kissimmee Inflows	980	980	932	932	932
Taylor Creek Inflows	126	126	32	17	18
Taylor Creek Reservoir Inflows	0	0	72	104	103
ASR to Lake Okeechobee	0	0	0	57	115
St. Lucie River Back Flows	80	80	79	87	86
Caloosahatchee River Back Flows	7	13	12	7	5
EAA Backpumping	53	51	4	3	3
C43 Reservoir Backpumping	0	0	0	0	0
C44 Reservoir Back Flow	0	0	7	9	10
North of Lake Okeechobee Storage Reservoir	0	0	0	51	49
L8 Back Flows	55	6	8	6	5
S309 Back Flows	0	53	55	57	60
Other Inflows	67	43	44	42	43
Total	3,994	3,978	3,871	3,998	4,055
Outflows					
Evapotranspiration (ET)	2,377	2,368	2,360	2,368	2,380
Fixed Outflows (MDS)	283	283	283	283	283
St. Lucie Regulatory	143	111	47	21	12
St. Lucie Agricultural Demands	25	24	22	24	25
St. Lucie Estuary Minimum Flows	0	0	9	11	14
Caloosahatchee Regulatory	367	275	108	46	28
Caloosahatchee Agricultural Demands	90	114	79	28	29
Caloosahatchee Estuary Minimum Flows	0	0	15	16	16
Regulatory to EAA Storage	0	0	204	252	220
Regulatory to WCAs	58	181	144	111	96
Water St. to Lucie Reservoir	0	0	0	0	0
Water to Caloosahatchee Reservoir	0	0	44	15	13
Water Supply to EAA	372	352	107	90	85
Water Supply to the LEC Service Areas	77	73	95	85	90
Water Supply to Glades	0	3	125	208	193
Water Supply to the Stormwater Treatment Areas (STAs)	0	5	3	3	3
North Storage	0	0	0	96	98
Lake Okeechobee to ASR	0	0	0	113	233
Other Outflows	163	154	189	193	198
Total	3,955	3,943	3,834	3,963	4,016

Table I-3. Lake Okeechobee Water Budgets for Drought Years[a]
(all estimates are in units of 1,000 ac-ft).

	1995 Revised Base Case	2005	2010	2015	LEC-1 Revised
Inflows					
Rainfall	1,383	1,383	1,383	1,383	1,383
Fixed inflows (MDS)	657	657	657	657	657
Kissimmee Inflows	386	386	434	434	434
Taylor Creek Inflows	76	76	0	0	0
Taylor Creek Reservoir Inflows	0	0	97	91	91
ASR to Lake Okeechobee	0	0	0	133	256
St. Lucie River Back Flows	106	106	98	98	98
Caloosahatchee River Back Flows	17	31	32	19	18
EAA Backpumping	43	49	4	2	2
C43 Reservoir Backpumping	0	0	0	0	0
C44 Reservoir Back Flow	0	0	7	8	8
North Storage	0	0	0	36	40
L8 Back Flows	71	11	19	16	9
S309 Back Flows	0	25	19	22	31
Other Inflows	57	35	34	33	33
Total	2,796	2,759	2,784	2,932	3,060
Outflows					
Evapotranspiration (ET)	2,350	2,328	2,308	2,327	2,354
Fixed Outflows (MDS)	322	322	322	322	322
St. Lucie Regulatory	0	0	0	0	0
St. Lucie Agricultural Demands	50	46	47	48	48
St. Lucie Estuary Minimum Flows	0	0	1	1	1
Caloosahatchee Regulatory	0	0	0	0	0
Caloosahatchee Agricultural Demands	135	166	158	59	57
Caloosahatchee Estuary Minimum Flows	0	0	23	31	31
Regulatory to EAA Storage	0	0	0	0	0
Regulatory to WCAs	0	2	0	0	0
Water to St. Lucie Reservoir	0	0	0	0	0
Water to Caloosahatchee Reservoir	0	0	0	0	0
Water Supply to EAA	457	424	258	226	205
Water Supply to the LEC Service Areas	198	264	306	271	251
Water Supply to Glades	0	13	113	242	222
Water Supply to the Stormwater Treatment Areas (STAs)	0	9	6	5	5
North Storage	0	0	0	0	0
Lake Okeechobee to ASR	0	0	0	0	0
Other Outflows	166	156	187	192	196
Total	3,678	3,730	3,729	3,724	3,692

a. The drought years were 1971, 1975, 1981, 1985, and 1989.

Table I-4. Average Annual Amounts of Water Delivered by the LEC Components (all estimates are in units of 1,000 ac-ft).

Component	Beneficiary	1995 Revised Base Case	2005	2010	2015	LEC-1 Revised
Caloosahatchee Reservoir	Basin water supply	N/A	N/A	56	Being addressed by the *Caloosahatchee Water Management Plan* (*CWMP*) (SFWMD, 2000)	
	Caloosahatchee Estuary	N/A	N/A	83		
Caloosahatchee ASR	Basin water supply	N/A	N/A	N/A		
	Caloosahatchee Estuary	N/A	N/A	N/A		
St. Lucie Reservoir	Basin water supply	N/A	N/A	1	1	1
	St. Lucie Estuary	N/A	N/A	9	9	8
	To Lake Okeechobee	N/A	N/A	7	9	10
North of Lake Okeechobee Storage (recovery)	Entire system (via Lake Okeechobee)	N/A	N/A	N/A	51	49
Lake Okeechobee ASR (recovery)	Entire system (via Lake Okeechobee)	N/A	N/A	N/A	57	115
EAA Reservoir Compartment 1	EAA Water Supply	N/A	N/A	219	199	204
	To EAA Reservoir Compartment 2A	N/A	N/A	12	16	20
EAA Reservoir Compartment 2A	EAA Water Supply	N/A	N/A	7	5	6
	Glades	N/A	N/A	210	135	122
EAA Reservoir Compartment 2B	Glades	N/A	N/A	N/A	126	110
LEC Service Area (LECSA) 1 and North Palm Beach Service Area (NPBSA) Reservoirs	LECSA 1 and NPBSA users	N/A	N/A	7	17	10
LECSA 1 and NPBSA ASR	LECSA 1 and NPBSA users	N/A	N/A	N/A	49	51
	EAA	N/A	N/A	N/A	34	37
LECSA 1 ASR	LECSA 2 water supply	N/A	N/A	N/A	25	32
C-9 Impoundment	LECSA 3 water supply	N/A	N/A	1	1	0
North Lake Belt Reservoir	LECSA 3 water supply	N/A	N/A	N/A	N/A	25
	Biscayne Bay	N/A	N/A	N/A	N/A	109
Central Lake Belt Reservoir	Glades	N/A	N/A	N/A	N/A	59
	Biscayne Bay	N/A	N/A	N/A	N/A	27
Bird Drive Recharge Area	LECSA 3 water supply	N/A	N/A	N/A	2	15
Southern Reuse Facility	Biscayne Bay	N/A	N/A	N/A	N/A	147
Western Reuse Facility	To Bird Drive Recharge Area	N/A	N/A	N/A	N/A	56
S-336B and S-338 Structures	To Biscayne Bay	118	64	110	125	8

Table I-5. Average Annual Amounts of Water Delivered by the LEC Components during Drought Years[a] (all estimates are in units of 1,000 ac-ft).

Component	Beneficiary	1995 Revised Base Case	2005	2010	2015	LEC-1 Revised
Caloosahatchee Reservoir	Basin water supply	N/A	N/A	38	Being addressed by the *CWMP*	
	Caloosahatchee Estuary	N/A	N/A	60		
Caloosahatchee ASR	Basin water supply	N/A	N/A	N/A		
	Caloosahatchee Estuary	N/A	N/A	N/A		
St. Lucie Reservoir	Basin water supply	N/A	N/A	1	1	1
	St. Lucie Estuary	N/A	N/A	0	0	0
	To Lake Okeechobee	N/A	N/A	8	8	8
North of Lake Okeechobee Storage (recovery)	Entire system (via Lake Okeechobee)	N/A	N/A	N/A	36	40
Lake Okeechobee ASR (recovery)	Entire system (via Lake Okeechobee)	N/A	N/A	N/A	133	256
EAA Reservoir Compartment 1	EAA Agricultural Water Supply	N/A	N/A	150	155	168
	To EAA Reservoir Compartment 2A	N/A	N/A	19	21	26
EAA Reservoir Compartment 2A	EAA Agricultural Water Supply	N/A	N/A	0	0	2
	Glades	N/A	N/A	26	34	42
EAA Reservoir Compartment 2B	Glades	N/A	N/A	N/A	9	8
LEC Service Area (LECSA) 1 and North Palm Beach Service Area (NPBSA) Reservoirs	LECSA 1 and NPBSA users	N/A	N/A	11	22	13
LECSA 1 and NPBSA ASR	LECSA 1 and NPBSA users	N/A	N/A	N/A	69	76
	EAA	N/A	N/A	N/A	24	30
LECSA 1 ASR	LECSA 2 users	N/A	N/A	N/A	57	42
C-9 Impoundment	LECSA 3 water supply	N/A	N/A	2	2	0
North Lake Belt Reservoir	LECSA 3 water supply	N/A	N/A	N/A	N/A	27
	Biscayne Bay	N/A	N/A	N/A	N/A	70
Central Lake Belt Reservoir	Glades	N/A	N/A	N/A	N/A	75
	Biscayne Bay	N/A	N/A	N/A	N/A	8
Bird Drive Recharge Area	LECSA 3 water supply	N/A	N/A	N/A	1	19
Southern Reuse Facility	Biscayne Bay	N/A	N/A	N/A	N/A	147
Western Reuse Facility	To Bird Drive Recharge Area	N/A	N/A	N/A	N/A	56
S-336B and S-338 Structures	To Biscayne Bay	118	64	58	68	6

a. The drought years were 1971, 1975, 1981, 1985, and 1989.

Table I-6. Average Annual Basin Demands and How They Are Met
(all estimates are in 1,000 ac-ft).

Demand Basin/ Water Body	Total Demand/ Sources of Supply/ Demands Not Met	1995 Revised Base Case	2005	2010	2015	LEC-1 Revised
Caloosahatchee Basin (surface water demand)	Total Demand[a]	112	144	160	176	192
	Lake Okeechobee	90	114	79	28	29
	Local Reservoir	N/A	N/A	56	Being addressed by the *CWMP*	
	Caloosahatchee Basin ASR	N/A	N/A	N/A		
	Local Sources and Rainfall	12	12	12		
	Demand Not Met	10	18	13		
St. Lucie Basin (surface water demand)	Total Demand	28	28	28	28	28
	Lake Okeechobee	25	24	22	24	25
	St. Lucie Reservoir	N/A	N/A	1	1	1
	Demand Not Met	3	4	4	3	1
EAA	Total Demand	1,542	1,430	1,281	1,244	1,244
	Lake Okeechobee	372	352	107	90	85
	EAA Reservoirs	N/A	N/A	226	205	209
	LECSA 1 Regional ASR	N/A	N/A	N/A	34	37
	Local Sources and Rainfall	1,126	1,021	924	900	905
	Demand Not Met	44	57	24	15	8
LECSA 1 (to maintain coastal canals)	Lake Okeechobee	40	16	14	8	3
	WCAs	35	94	85	43	32
	LECSA 1 Reservoirs	N/A	N/A	7	17	10
	LECSA 1 Regional ASR	N/A	N/A	N/A	49	51
LECSA 2 (to maintain canals)	Lake Okeechobee	4	7	12	3	9
	WCAs	7	5	12	1	8
	LECSA 1 Regional ASR	N/A	N/A	N/A	25	32
LECSA 3 (to maintain canals)	Lake Okeechobee	30	40	68	74	77
	WCAs	87	65	18	22	24
	LECSA 3 Reservoirs	N/A	N/A	1	3	40
Caloosahatchee Estuary	Caloosahatchee Basin Reservoir	N/A	N/A	83	Being addressed by the *CWMP*	
	Local Basin Runoff	N/A	N/A	341		
	Lake Okeechobee (Environmental)	N/A	N/A	15	16	16
	Lake Okeechobee (Regulatory)	367	275	108	46	28

Table I-6. Average Annual Basin Demands and How They Are Met (Continued)
(all estimates are in 1,000 ac-ft).

Demand Basin/ Water Body	Total Demand/ Sources of Supply/ Demands Not Met	1995 Revised Base Case	2005	2010	2015	LEC-1 Revised
St. Lucie Estuary	St. Lucie Basin Reservoir	N/A	N/A	9	9	8
	Local Basin Runoff[b]	N/A	N/A	587	587	587
	Lake Okeechobee (Environmental)	N/A	N/A	9	11	14
	Lake Okeechobee (Regulatory)	143	111	47	21	12
Glades (WCAs and Everglades National Park Rain-Driven Demands)	Lake Okeechobee[c]	N/A	3	125	208	193
	EAA Reservoirs	N/A	N/A	210	261	232
	EAA Drainage South[d]	1,070	970	663	664	662
	Regulatory from Lake Okeechobee	58	181	144	111	96
Everglades National Park	Northwest Shark River Slough	461	568	397	434	451
	Northeast Shark River Slough	88	402	524	596	685
	Total	549	970	921	1,030	1,136
Biscayne Bay	Snake Creek (S29)	172	155	190	185	114
	North Bay (G58, S28, and S27)	140	145	157	155	145
	Miami River (S26, 325B, and S25)	208	109	102	96	60
	Central Bay (G97, S22, and S123)	222	154	239	225	203
	South Bay (S21, S21A, S20F, S20G, and S197)	234	203	219	217	268

a. As estimated by the AFSIRS model developed by the University of Florida
b. Includes all contributing basins to the St. Lucie Estuary (C-23, C-24, North Fork, South Fork, and C-44)
c. Environmental releases from Lake Okeechobee to meet rain-driven demands
d. Includes flows from the Holey Land and Rotenberger wildlife management areas

Table I-7. Average Annual Basin Demands for Drought Years[a] and How They Are Met (all estimates are in 1,000 ac-ft).

Demand Basin/ Water Body	Total Demand/ Sources of Supply/ Demands Not Met	1995 Revised Base Case	2005	2010	2015	LEC-1 Revised
Caloosahatchee Basin (surface water demand)	Total Demand[b]	165	209	231	253	274
	Lake Okeechobee	135	166	158	59	57
	Local Reservoir	N/A	N/A	38	Being addressed by the *CWMP*	
	Caloosahatchee Basin ASR	N/A	N/A	N/A		
	Local Sources and Rainfall	13	12	11		
	Demand Not Met	17	31	24		
St. Lucie Basin (surface water demand)	Total Demand	54	54	54	54	54
	Lake Okeechobee	50	46	47	48	48
	St. Lucie Reservoir	N/A	N/A	1	1	1
	Demand Not Met	4	8	6	5	5
EAA	Total Demand	1,584	1,468	1,316	1,277	1,277
	Lake Okeechobee	457	424	258	226	205
	EAA Reservoirs	N/A	N/A	150	155	170
	LECSA 1 Regional ASR	N/A	N/A	N/A	24	30
	Local Sources and Rainfall	1,043	942	853	830	832
	Demand Not Met	84	102	55	42	40
LECSA 1 (to maintain coastal canals)	Lake Okeechobee	62	59	59	32	11
	WCAs	75	117	123	88	75
	LECSA 1 Reservoirs	N/A	N/A	11	22	13
	LECSA 1 Regional ASR	N/A	N/A	N/A	69	76
LECSA 2 (to maintain canals)	Lake Okeechobee	19	19	36	5	27
	WCAs	13	8	19	2	15
	LECSA 1 Regional ASR	N/A	N/A	N/A	57	42
LECSA 3 (to maintain canals)	Lake Okeechobee	105	138	207	230	212
	WCAs	133	98	23	30	29
	LECSA 3 Reservoirs	N/A	N/A	2	3	46
Caloosahatchee Estuary	Caloosahatchee Basin Reservoir	N/A	N/A	60	Being addressed by the *CWMP*	
	Local Basin Runoff	N/A	N/A	219		
	Lake Okeechobee (Environmental)	N/A	N/A	23	31	31
	Lake Okeechobee (Regulatory)	0	0	0	0	0

Table I-7. Average Annual Basin Demands for Drought Years[a] and How They Are Met (Continued) (all estimates are in 1,000 ac-ft).

Demand Basin/ Water Body	Total Demand/ Sources of Supply/ Demands Not Met	1995 Revised Base Case	2005	2010	2015	LEC-1 Revised
St. Lucie Estuary	St. Lucie Basin Reservoir	N/A	N/A	0	0	0
	Local Basin Runoff[c]	N/A	N/A	313	313	313
	Lake Okeechobee (Environmental)	N/A	N/A	1	1	1
	Lake Okeechobee (Regulatory)	0	0	0	0	0
Glades (WCAs and Everglades National Park Rain-Driven Demands)	Lake Okeechobee[d]	N/A	13	113	242	222
	EAA Reservoirs	N/A	N/A	26	43	50
	EAA Drainage South[e]	916	817	550	548	536
	Regulatory from Lake Okeechobee	0	2	0	0	0
Everglades National Park	Northwest Shark River Slough	143	247	142	171	183
	Northeast Shark River Slough	49	193	219	274	306
	Total	192	440	361	445	489
Biscayne Bay	Snake Creek (S29)	133	120	140	136	81
	North Bay (G58, S28, and S27)	106	109	119	118	111
	Miami River (S26, 325B, and S25)	121	74	64	59	33
	Central Bay (G97, S22, and S123)	128	100	132	124	135
	South Bay (S21, S21A, S20F, S20G, and S197)	151	136	150	149	210

a. The drought years were 1971, 1975, 1981, 1985, and 1989
b. As estimated by the AFSIRS model developed by the University of Florida
c. Includes all contributing basins to the St. Lucie Estuary (C-23, C-24, North Fork, South Fork, and C-44)
d. Environmental releases from Lake Okeechobee to meet rain-driven demands
e. Includes flows from the Holey Land and Rotenberger wildlife management areas

ASSESSMENT OF CALOOSAHATCHEE DESIGN ELEMENTS IN THE RESTUDY AND LEC PLAN USING REVISED CALOOSAHATCHEE HYDROLOGY[1]

Ken Konyha, South Florida Water Management District

SUMMARY

Recent hydrologic studies done for the *Caloosahatchee Water Management Plan* (CWMP) show less runoff and more demand in the Caloosahatchee Basin, as compared to estimates used in the *Lower East Coast Regional Water Supply Plan* (LEC Plan). These changes affect the LEC Plan by greatly reducing the available water in the basin. This memorandum describes an assessment of the performance of the reservoir - ASR - backpumping facilities proposed by the LEC using revised Caloosahatchee hydrology. In this analysis it was assumed that water supply releases from Lake Okeechobee to the Caloosahatchee Basin are restricted to 29,000 acre-foot per year. The study finds the following:

1. The proposed facilities would only provide a 1-in-3 level of drought protection for the 175,000 acres of irrigated land anticipated in the CWMP 2020 scenario
2. The proposed facilities could provide a 1-in-10 level of drought protection for 120,000 acres of irrigated land
3. By increasing the reservoir capacity to 220,000 acre-foot, the proposed facilities could provide a 1-in-10 level of drought protection for the 175,000 acres of irrigated land anticipated in the CWMP 2020 scenario
4. Backpumping to Lake Okeechobee may not be practical under the assumptions in some 2020 scenarios, but remain a viable option in others

BACKGROUND

Motivation for the CWMP Reassessment of Caloosahatchee Hydrology

During the development of the Lower East Coast Water Supply Plan (LEC Plan) it was determined that there was a need to reassess the estimates of Caloosahatchee runoff and demands used in water supply modeling. This is important to the LEC Plan because

1. This document is from the Caloosahatchee Water Management Plan. With the exception of this footnote, no changes have been made.

agricultural stakeholders believed that 2020 demand estimates for the Caloosahatchee needed to be reanalyzed.

Previous demand and runoff estimates (Trimble) were developed from reliable flow data but the lack of reliable information on land use, in particular land use within the Lake Okeechobee Service Area (LOSA), made estimates of future demands problematic. Consequently, the Caloosahatchee Water Management Plan (CWMP) was tasked with reassessing the hydrology in the Caloosahatchee.

This reassessment has been completed. (Konyha and Flagg; draft) (Owasina, Dabbs and Jansen; draft). This reassessment is based on more detailed land use information and a determination of surface irrigated lands in LOSA. The reassessment uses deterministic hydrologic modeling of all lands in the watershed over a 31-year period. The source of irrigation water (groundwater or C-43 water) is considered in the analysis. The new estimates of runoff and demands are substantially different from the earlier estimates. They show substantially less available water (i.e. runoff minus demands) in the Caloosahatchee Basin than was assumed in the Restudy and initial runs of the LEC Plan. A comparison of the two estimates is shown in **Table I-8**. The estimate of 2020 demands has increased by 67,000 acre-foot per year (+53%) while the estimate of runoff has decreased by 143,000 acre-foot per year (-18%).

Table I-8. Comparison of Average Annual Demand and Runoff from the East and West Caloosahatchee Basin (1965-1995 Climate).[a]

	Old Estimates (used in Restudy and LEC PLAN)		**New Estimates (used in CWMP)**	
	Demand	**Runoff**	**Demand**	**Runoff**
1995 Land use	89,518	814,883	112,449	674,711
2020 Land use (LEC Plan)	111,000	814,937	192,253	671,689
2050 Land use (RESTUDY)	125,334	814,937	---	---

a. Units are acre-foot per year

The new estimates of runoff (670,000 acre-foot per year) are not substantially different from 1972-1995 measured basin runoff (650,000 acre-foot per year). Approximately half of the differences in demands are caused by revisions in future land use and half result from methodological differences. The revised estimates are preferred over the previous estimates.

Potential Impact of the Revised Hydrology on Existing Restudy Design Elements

To date, Restudy and LEC Plan analyses have had to rely on the old estimates in their modeling efforts. The changes in runoff and demand are large and may affect the performance of the design components being recommended by the LEC Plan. This study assesses the performance of Restudy Design Elements for the Caloosahatchee using the new estimates of demand and runoff developed by the CWMP.

Summary of Existing Restudy Design Elements

The Restudy has proposed a development of local water resources to reduce the basin's reliance on Lake Okeechobee waters. Local water resources would be developed using three methods: a regional reservoir, a set of aquifer storage and recovery (ASR) wells, and a set of pumps to lift local runoff water back into Lake Okeechobee. A brief description of these three design elements follows.

Reservoir - The reservoir is 10,000 acres in area with a 16-ft depth and a capacity of 160,000 acre-foot. Waters are pumped from the C-43 Canal into the reservoir using a pump with 2,500 cfs capacity. The reservoir is located in the West Caloosahatchee Drainage Basin. The operating rules for the reservoir are based on reservoir storage and basin runoff.

ASRs - There are 22 sets of Aquifer Storage and Recovery wells each with a capacity of 10 mgd (220 mgd total capacity). These inject waters from the reservoir or withdraw waters from the ASRs. A 75% recovery is assumed regardless of the period stored underground. It is assumed that there is no mixing with higher salinity aquifer water. The operating rules of the ASRs are based on reservoir storage.

Backpumping - A set of pumps near the S-78 Structure lift waters from the reservoir and the West Caloosahatchee Basin into the East Caloosahatchee Basin. A second set of pumps lift waters from the East Caloosahatchee Basin through a storm-water treatment area into Lake Okeechobee. The pump capacity of these facilities is 1,000 cfs. Operating rules for the pumps are based on the reservoir storage volume.

> Note: These are generic design elements that may be replaced by alternate design elements in the future. For example, the number of reservoirs, their location(s), the size of AS's, or the development of well-fields in lieu of reservoirs are all potential alternatives to the generic design elements discussed here. All are consistent with this analysis in the sense that all develop the local water resource.

PROBLEM STATEMENT

This paper assesses the performance of the proposed Reservoir - ASR - Backpumping facilities using the revised estimates of Caloosahatchee Basin runoff and

demands. The assessment asks three questions: how well would the system perform; how much land could the system adequately irrigate; and what size reservoir would be needed to provide adequate irrigation?

Assessment #1: Describe the performance of the existing Restudy Design Elements.

The objective of this assessment is to determine the level of service that would be provided by the Restudy Design Elements as described above. Because runoff has decreased and irrigation has increased, the level-of-service will be below the desired 1-in-10. Because there is competition between irrigation demands and estuarine needs it is assumed, a priori, that estuarine needs will be met even though irrigation demands are not met.

Assessment #2: Determine the maximum irrigated land area that could be supplied at a 1-in-10 level of service using the existing Restudy Design Elements

The objective of this assessment is to determine the acres of land that can be irrigated by the C-43 while still meeting the desired 1-in-10 level of service and also meeting estuarine needs.

Assessment #3: Determine the reservoir size needed to meet revised CWMP 2020 demands with a 1-in-10 level of service.

The goal of the LEC Plan is to achieve a 1-in-10 level of service for all anticipated future water supply needs. This objective of this assessment is to describe one method of meeting that requirement. For the purpose of this study the size of the reservoir will be increased until both water supply demands and estuarine needs can be met.

METHODOLOGY

Modeling Approach

A computer model called OPTI-5 is used for these analyses. The model determines operational rules for storage/release systems (i.e. reservoir, ASRs, and backpumping facilities). The goal of the model is to find operational rules that simultaneously supply the irrigation demands in the basin and also meet the environmental criteria for the Caloosahatchee Estuary. This type of model is well suited for situations where there is competition for a resource. In this case the competition is between human demands and estuarine needs and the resource is watershed runoff. This model was written for the District under contract by John Labadie (1997).

The Caloosahatchee Optimization model requires three operational rules: a reservoir rule, an ASR rule, and a backpumping rule. The operational rule for the reservoir describes when water is pumped to/from the reservoir and how much is pumped. The operational rule for the ASRs describes when ASR water is injected/withdrawn. The

operational rule for backpumping describes when and how much water is withdrawn from the reservoir and sent back to Lake Okeechobee.

The model uses a Genetic Algorithm to select the operational rules, testing the performance of the system using a 31-year period of runoff and demands. The performance is tested using two performance measures: one for water supply, and one for estuarine needs. Many different rules are generated and tested. In this exercise, the Optimization model generated and tested 30,000 different sets of rules for each simulation. Each simulation takes about two hours using a high speed PC.

Performance Measures and Targets

Level of Service for Water Supply

The performance measure for water supply is the level of service and the desired water supply target is a 1-in-10 level of service. The level of service (l.o.s.) is defined as:

l.o.s. = (years when all supplies are met)/(years simulated)

Because the model simulates 31 years of watershed behavior, the 1-in-10 criteria is met if the system can provide all water demands for twenty-eight of the thirty-one years simulated (l.o.s. = 28/31 = 0.9). The model also tracks demands unmet. This performance measure is equivalent to one used in the LEC Plan planning process.

Estuary Protection Criteria

Estuary Performance Measure

The performance measure for estuarine protection is the distribution of monthly flows to the estuary. The monthly flow distribution is determined by calculating the average monthly flow for each month simulated and then counting the number of occurrences in selected flow ranges. This measure only has value if a sufficiently long period of climate is simulated. The period of record for these simulations is 31 years.

Estuary Performance Targets

The performance of a model is determined by comparing the modeled flows to the estuary (the performance measure) against a target flow distribution. The target flow distribution for the Caloosahatchee Estuary is presented in**Table I-9**

Any simulation that has fewer than 60 months of flows below 300 cfs, and fewer than 22 months of flows between 2800 and 4500 cfs, and fewer than 6 months of flows above 450 cfs meets the estuary performance target. This performance target is identical to that used in Restudy and the LEC PLAN. The performance target was developed by biologists studying the estuary (Chamberlain et. al, 1998) and is based on the frequency of harm experienced by sea-grasses in a natural system. This 'natural' flow is log-normally

Table I-9. Target Flow Distribution (31 year period)

Flow Range	Frequency Distribution (percent)	Number of Occurrences	Problem Caused
0 to 300 cfs	16	<60	High salinity damages freshwater tolerant seagrasses
300 to 2,800 cfs	76	284	None
2,800 to 4,500 cfs	6	<16	Low salinity damages saltwater tolerant seagrasses in estuary
> 4,500 cfs	2	<6	Low salinity damages seagrasses outside estuary (where salinity is normally >30 ppt)

distributed and represents an average annual flow of about 650,000 acre-foot per year. This volume is equal to the average 1965-1995 basin runoff.

Estuary Modeling Targets

The flow distribution targets used in the optimization model are not the same as the performance targets above. If performance targets were used, they would force the model to provide an average flow of 650,000 acre-foot per year to the estuary. However, the estuarine ecosystem does not need this much water. The undeveloped watershed probably had at least 100,000 acre-foot less runoff than today's watershed (4 inches more evapotranspiration from the 250,000 acres of former wetlands and forest that are now pasture and grazing lands). Biologists have made an evaluation of minimal flows required by Caloosahatchee watershed (Haunert, Doering, and Chamberlain - draft) that shows that a much smaller volume of water could meet estuarine needs - if the distribution of the flow remained log-normal. This modeling target distribution is shown in **Table I-10**.

This distribution is used in all optimization modeling in this paper. This is also the distribution used in developing the Restudy Recommended Plan (Alt D13R) and the preferred LEC Plan. This distribution of flow represents an average annual flow of about 450,000 acre-foot per year. The difference between the measured basin runoff (650,000 acre-foot per year) and this minimal flow distribution (450,000 acre-foot per year) defines the water available in the watershed for development. This available water (200,000 acre-foot per year) is roughly equivalent to the proposed 2020 demands from the C-43 Canal (192,000 acre-foot per year). It is this water that is captured by the reservoir-ASR-backpumping system and redirected to meet water supply needs.

Table I-10. Modeling Target Flow Distribution (31-year period).

Flow Range	Frequency of Occurrence (percent)	Number of Occurrences
0 to 300 cfs	10	37
300 to 660 cfs	55	205
660 to 925 cfs	20	74
925 to 1,550 cfs	10	37
1,550 to 2,175 cfs	3	11
2,175 to 2,800 cfs	2	6
2,800 to 4,500 cfs	1	2

Assumptions Made in These Simulations

In the time frame available, it was not possible to assess all of the potentially viable methods of providing the additional irrigation water supply. Therefore the following assumptions were made:

- Lake Okeechobee deliveries are held constant and equal to the deliveries of the SFWMM simulation called 'sfwmm_2020wr'. This simulation provides about 30,000 acre-foot per year from the lake for irrigation in the C-43 Basin.
- ASRs are not expanded. The capacity of the aquifer storage and recovery wells is kept at 220 mgd.
- Estuarine protection criteria will not be changed. Further, protection of the estuary will be given priority over water supply criteria.
- Increased demands will be met through expansion of the regional reservoir.
- For the purpose of this analysis it is acceptable to reduce backpumping. Any impact of reduced backpumping on the regional system is not considered in this analysis.

ASSESSMENTS

Assessment #1: Describe the Performance of the Existing Restudy Design Elements

This analysis examines the performance of the Caloosahatchee system using the revised runoff and demand data while keeping the reservoir capacity at 160,000 acre-foot. Other Restudy Elements are also unchanged. The object of this analysis is to determine

what level of drought protection can be provided and also to determine if the estuary protection criteria can be met.

Drought Protection Performance

The assessment shows that, with the revised demands, the proposed 160,000 acre-foot reservoir will not be able to meet demands at a 1-in-10 level of service. The lake provides 29,000 acre-foot per year of the total 192,000 acre-foot per year, leaving 163,000 acre-foot of demands for the basin. The existing system can provide 138,000 of (85%) this demand but the timing of these deliveries (**Table I-11** and **Figure I-4**) are such that the basin goes into water shortage on 13 of the 31 years, giving a projected level of service of only 58%.

Table I-11. Average Annual Demands and Supplies and Level of Service.

Total C-43 Demands (acre-foot per year)	Lake Supplies (acre-foot per year)	Local Supplies (acre-foot per year)	Demands Unmet (acre-foot per year)	Level of Service (percent)
192,253	29,241	137,610	25,401	58

Estuarine Performance

The assessment shows that the proposed system can still meet environmental flow targets. However, the OPTI-5 model found backpumping to be ineffective in meeting estuarine performance targets. Backpumping was modeled as a process in the OPTI-5 model but the model decided that the best way to use the water was by turning backpumping off. The model's decision to not use backpumping is due in part to the modeling assumption that backpumped waters would not be used to meet future water supply needs. In the past, backpumping was effective because there was considerably more available water in the basin and backpumping could reduce the number of high flow months. With the higher demands and lower runoff estimates used in this analysis there is too little excess water to backpump.

Table I-12 and **Figure I-5** show the distribution of monthly flows for the new hydrology (2020 Base) and for the system with the existing Restudy elements. Low flows have been increased and high flows decreased.

Table I-12. Estuarine Flows and Distribution.

2020 Base Runoff (acre-foot per year)	Runoff with Restudy Elements (acre-foot per year)	Backpumping Volume (acre-foot per year)	Flow Distribution		
			<300 cfs	2,800-4,800 cfs	>4,800 cfs
769,124	593,230	0	66	16	7

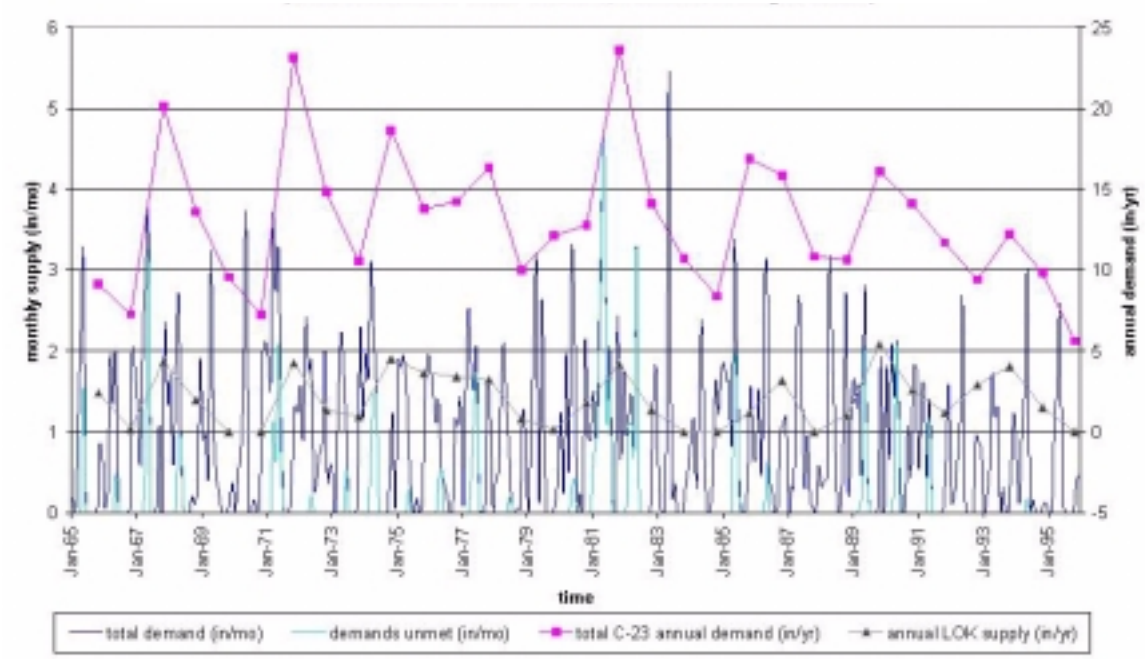


Figure I-4. Drought Protection Performance for Assessment #1.

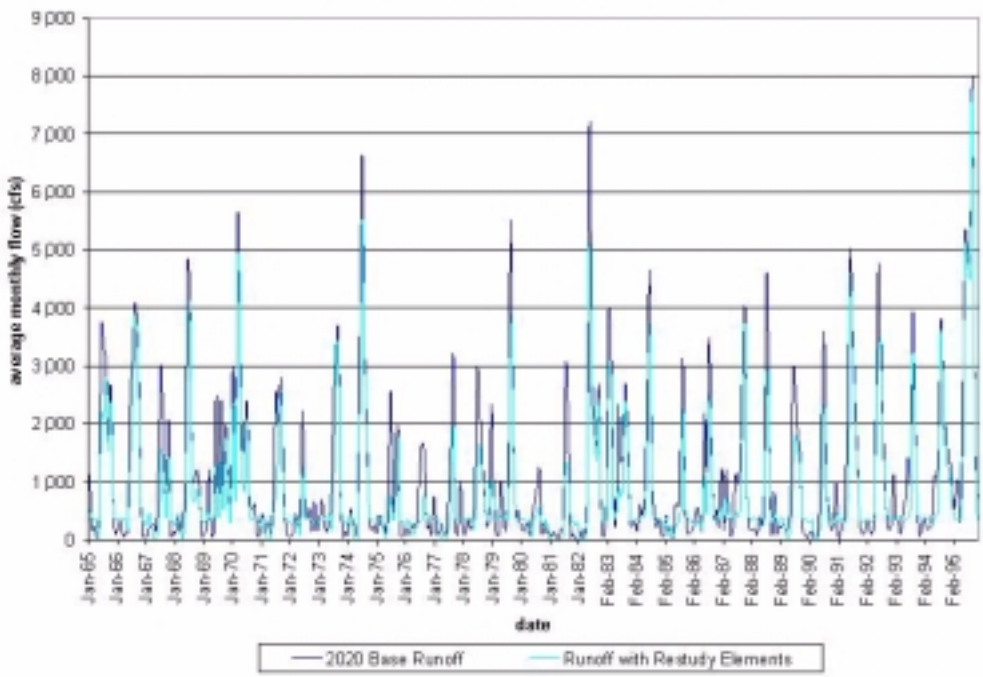


Figure I-5. Estuarine Performance for Assessment #1.

Assessment #2: Determine the Maximum Irrigated Land Area Supplied at a 1-in-10 L.O.S. with the Existing Restudy Design Elements

In the second assessment, the reservoir size is kept at 160,000 acre-foot and the irrigation demand is reduced until a 1-in-10 level of service can be maintained. This required several simulations as the irrigation demands were varied; only the final, acceptable, run is described here.

Drought Protection Performance

This assessment found that the existing Restudy Design Elements could supply (at a 1-in-10 l.o.s.) an irrigation demand of about 135,000 acre-foot per year (29,000 from the Lake and 101,000 from the basin) (**Table I-13**). This compares to a 1995 C-43 demand of 112,000 acre-foot per year and a 2020 demand of 192,000 acre-foot per year. This is roughly equivalent to 120,000 acres irrigated by the C-43 Canal and compares to 103,000 acres irrigated by the C-43 in 1995 and a projected 177,000 acres irrigated by the C-43 in 2020.

Table I-13. Average Annual Demands and Supplies and Level of Service.

Total C-43 Demands (acre-foot per year)	Lake supplies (acre-foot per year)	Local supplies (acre-foot per year)	Demands Unmet (acre-foot per year)	Level of Service (percent)
135,350	29,241	100,640	5,469	87

Estuarine Performance

The assessment shows that the proposed system can still meet environmental flow targets. In this case, the OPTI-5 model found 58,000 acre-foot per year of water available for backpumping. Backpumping occurs on 112 of the months in the simulation (about 2 months per year) and seems to be effective in reducing estuarine flows during high flow months, thus allowing the reservoir to be utilized for water supplies. If flows from the Lake were allowed to increase as a result of this backpumping, a larger acreage could be supported by this reservoir.

Table I-14 and **Figure I-6** show the distribution of monthly flows for the new hydrology (2020 Base) and for the system with the existing Restudy elements. Low flows have been increased and high flows decreased. Backpumping is also shown on this figure.

Table I-14. Estuarine Flows and Distribution.

2020 Base Runoff (acre-foot per year)	Runoff with Restudy Elements (acre-foot per year)	Backpumping Volume (acre-foot per year)	Flow Distribution		
			<300 cfs	2,800-4,800 cfs	>4,800 cfs
769,124	582,988	58,323	49	15	5

Assessment #3: Determine the Reservoir Size Needed to Meet Revised CWMP 2020 Demands with a 1-in-10 L.O.S.

In this assessment, demands are set equal to the revised 2020 demands (192,000 acre-foot per year) and the size of the reservoir is increased until a 1-in-10 l.o.s. is achieved. This required several simulations but only the final run is described here.

Drought Protection Performance

The assessment found that a 220,000 acre-foot reservoir was needed to provide water supplies at a 1-in-10 level of service. **Table I-15** and **Figure I-7** show the performance of this system.

Table I-15. Average Annual Demands and Supplies and Level of Service.

Total C-43 Demands (acre-foot per year)	Lake supplies (acre-foot per year)	Local supplies (acre-foot per year)	Demands Unmet (acre-foot per year)	Level of Service (percent)
192,253	29,241	154,945	8,056	90

Estuarine Performance

The modified system can also meet the estuarine performance targets. Although the performance shown in **Table I-16** is marginal, it is believed that minor additional modifications of the OPTI-5 model parameters would provide an acceptable performance. (Lack of time precluded these additional modifications). The high demands decrease available water in the basin and therefore (as with assessment #1) the OPTI-5 model found backpumping to be ineffective under the assumptions modeled.

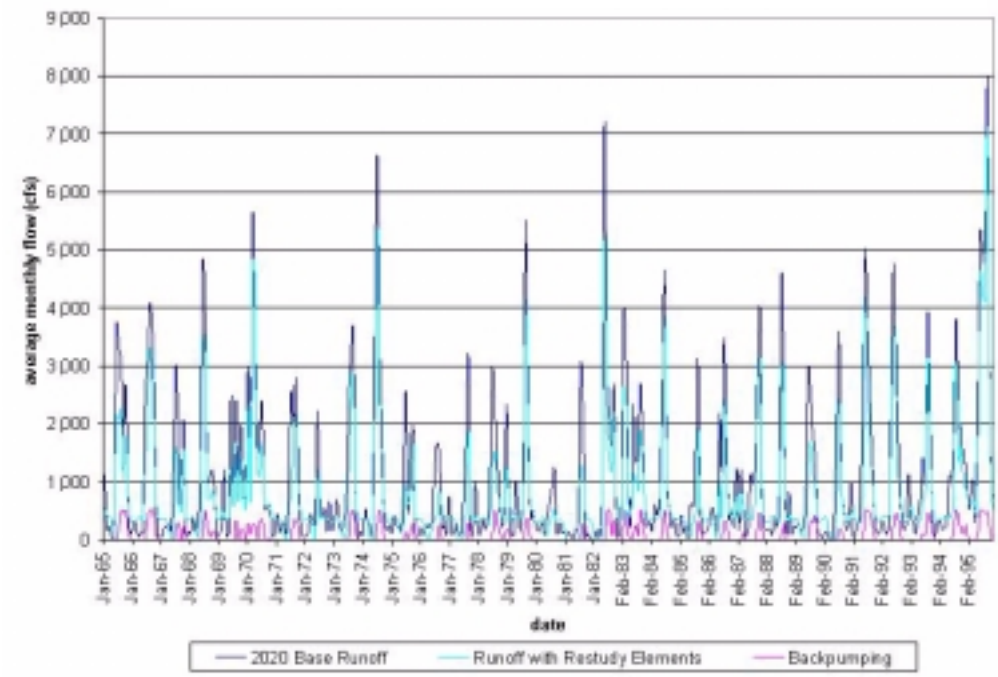


Figure I-6. Estuarine Performance for Assessment #2.

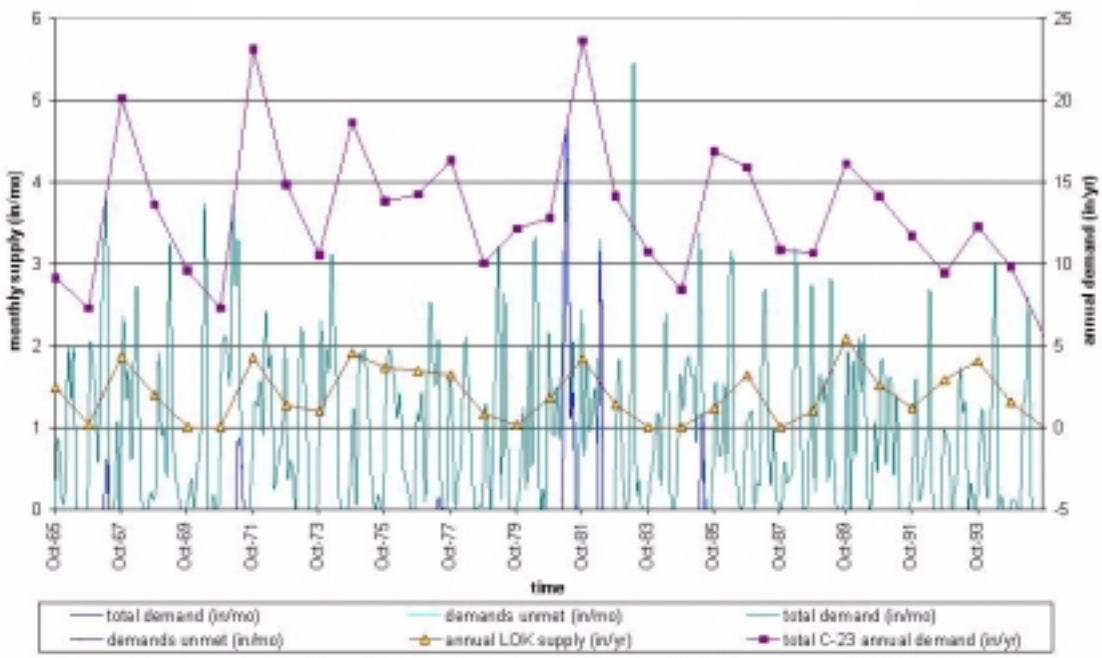


Figure I-7. Drought Protection Performance for Assessment #3.

Table I-16. Estuarine Flows and Distribution.

2020 Base Runoff (acre-foot per year)	Runoff with Restudy Elements (acre-foot per year)	Backpumping Volume (acre-foot per year)	Flow Distribution		
			<300 cfs	2,800-4,800 cfs	>4,800 cfs
769,124	570,466	0	64	20	6

Table I-16 and **Figure I-8** shows the distribution of monthly flows for the new hydrology (2020 Base) and for the system with the larger reservoir. These flows are similar to those of assessment #1 and assessment #2.

CONCLUSIONS AND RECOMMENDATIONS

Description of One Water Management System That Satisfies Environmental and Water Supply Performance Measures

The above analyses show that approximately 60,000 acre-foot of additional storage may be needed for the Caloosahatchee Basin. Expanding the proposed 160,000 acre-foot reservoir to 220,000 acre-foot will provide this storage. Optimization modeling shows that this modification would result in a system capable of meeting both water supply needs and the environmental needs of the estuary.

Recommendations for Future Work

Expansion of the reservoir is only one solution; it is not necessarily the best solution. There are other ways to develop local water resources (increased use of groundwater, distributed reservoirs, backpumping to Lake Okeechobee, etc.) and these options should be explored.

The three assessments produce very similar outflow volumes (593,000 ac-ft/y, 583,000 acre-foot per year, and 570,000 acre-foot per year). When compared against the 450,000 acre-foot per year outflow volume of the estuary modeling target distribution, it seems that the system as modeled cannot capture all major runoff events and this implies that available water is still being lost to tide. Further work is needed to assess if it is practical to capture some of these lost waters.

The performance measures used in these analyses are likely to undergo revisions. Ongoing estuarine research may cause modifications in the estuarine performance measures, particularly the modeling performance targets. Since these targets define the available water in the basin, such changes could have a significant impact. The suitability of the water supply criteria also needs further work.

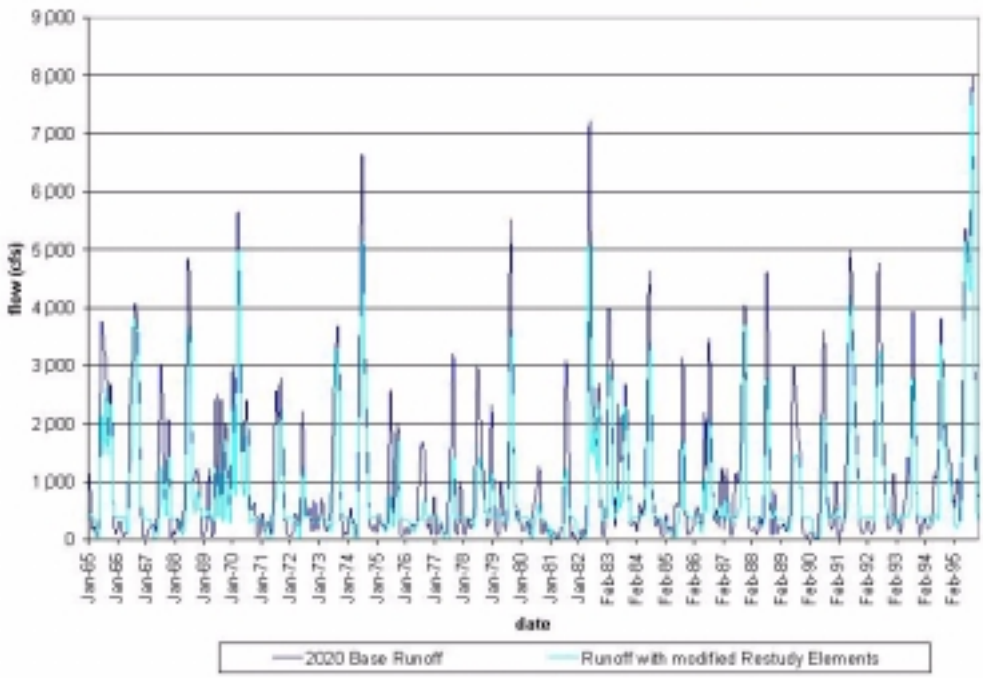


Figure I-8. Estuarine Performance for Assessment #3.

The revised demands and runoff used here are considered to be an improvement over previous estimates. Better and more detailed hydrologic modeling is still required for this basin.

Appendix J
MINIMUM FLOWS AND LEVELS RECOVERY AND PREVENTION STRATEGY

OVERVIEW

Appendix J is a compilation of portions of the *Lower East Cost Regional Water Supply Plan* (LEC Plan) regarding the establishment of Minimum Flows and Levels (MFL) and recovery and prevention strategies. This document should be read in the context of the entire plan.

Section 373.0361, Florida Statutes (F.S.), requires that each regional water supply plan be based on at least a 20-year planning period and include (a) water supply and water resource development components, (b) a funding strategy for water resource development projects, (c) MFLs established within the planning region, (d) a MFL recovery and prevention strategy, and (e) technical data and information supporting the plan. Pursuant to this statute, the LEC Plan includes MFLs for specified water bodies and recovery and prevention strategies for those water bodies that are exceeding or are expected to exceed the proposed criteria.

As one of the tools for plan implementation, rulemaking to implement the regulatory recommendations of the LEC Plan will constitute a significant effort during the next several years. Rulemaking will include water reservations and numerous Consumptive Use Permitting (CUP) criteria, which are interrelated and cumulatively define the availability of water for consumptive uses and water resource protection. As a result, it is recommended in the LEC Plan that certain rulemaking efforts be grouped in phases to allow for the cumulative analysis of the water resource and consumptive use implications of the regulatory program.

Another goal of the rulemaking schedule is to adopt rules as the technical information becomes available. As a result, it is recommended in this plan that initial rulemaking proceed for concepts that were sufficiently identified and evaluated in the planning process. These include establishment of MFLs for the Everglades, Lake Okeechobee, the Biscayne Aquifer, and the Caloosahatchee River.

In addition, uncertainties in the rulemaking process, such as delays for development of supporting technical data or rule challenges, may conflict with the proposed schedule for rule development provided in this plan. The proposed schedule will be adapted to account for such delays, while considering the need to develop associated rules through a coordinated rulemaking process. The contingency process identified in the plan, along with input from the LEC Regional Water Supply Plan Advisory Committee, other members of the public, and the Governing Board may be used to identify necessary changes to the rulemaking schedule.

In developing MFL recovery and prevention strategies it is essential that the role of MFLs under Chapter 373, F.S., be identified. This South Florida Water Management District (District, SFWMD) developed the LEC Plan based on a resource protection framework that helps identify the role of MFLs in relation to other tools implemented under the statute. These concepts provide the basis for the proposed recovery and prevention strategies.

The overall goal of Chapter 373 is to ensure the sustainability of water resources of the state (Section 373.016, F.S.). Chapter 373 provides the District with several tools to carry out this responsibility. These tools have various levels of resource protection standards. Water resource protection standards in Chapter 373 must be applied together as a whole to meet this goal. Pursuant to Parts II and IV of Chapter 373, surface water management and CUP regulatory programs must prevent ***harm*** to the water resource. MFLs must be set at the point at which further withdrawals could cause ***significant harm*** to the water resources or ecology of the area. Water shortage statutes, on the other hand, dictate that permitted water supplies must be restricted in a manner that prevents ***serious harm*** from occurring to the water resources. Other protection tools include reservation of water for fish and wildlife, or health and safety (Section 373.223[3]), and aquifer zoning to prevent undesirable uses of the ground water (Section 373.036).

The levels of impacts cited above, harm, significant harm, and serious harm, are relative resource protection terms. Each plays a role to help achieve the ultimate goal, which is to achieve a sustainable water resource. The role of MFLs is shown conceptually in **Figure J-1**.

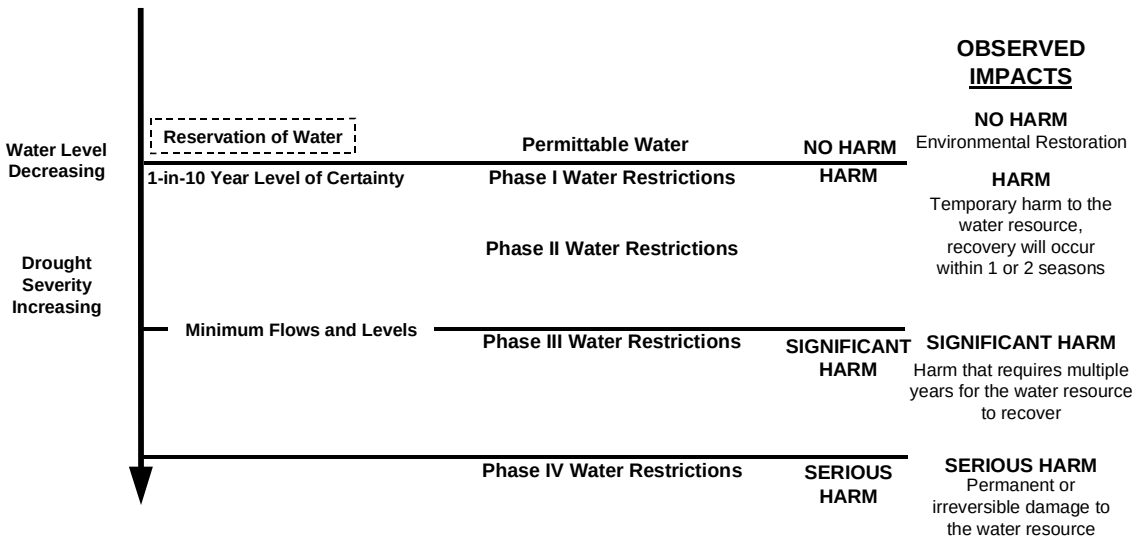


Figure J-1. Conceptual Relationship Among the Harm, Serious Harm, and Significant Harm Standards.

Section 373.0421, F.S., requires that once the MFL technical criteria have been established, the Districts must develop and expeditiously implement a recovery and prevention strategy for those water bodies that are currently exceeding, or are expected to exceed, the MFL criteria. Section 373.0421(2), F.S., provides the following in relevant part:

> The recovery or prevention strategy shall include phasing or a timetable which will allow for the provision of sufficient water supplies for all

> existing and projected reasonable-beneficial uses, including development of additional water supplies and implementation of conservation and other efficiency measures concurrent with to the extent practical, and to offset, reductions in permitted withdrawals, consistent with the provisions of this chapter.

It is possible that the proposed MFL criteria cannot be achieved immediately, because of the lack of adequate regional storage and/or ineffective water distribution infrastructure. These storage and infrastructure shortfalls will be resolved through water resource development and water supply development projects, construction of facilities, and improved operational strategies that will increase the region's storage capacity and improve the existing delivery system. Planning and regulatory efforts will, therefore, include a programmed recovery process that will be implemented over time to improve water supply and distribution to protect water resources and functions. The recovery process includes the following:

- Necessary structural solutions for the recovery and prevention plan will be provided in the form of a list of projects. The list will include the timing and funding requirements for each project. **Table J-1** provides a list of the various water resource development projects identified in the LEC Plan that will provide water to meet the proposed MFL targets and water reservations. **Table J-1** also includes anticipated completion dates of these projects. In addition, **Tables 53**, **54**, and **55** of the LEC Plan provide the amounts of water projected to be delivered to each area by components to meet the proposed MFLs.
- If necessary to prevent the MFL criteria from being exceeded, demand management cutbacks for recovery during drought conditions will also be identified (e.g., phased water shortage restrictions to prevent significant or serious harm). The LEC Plan does not propose the use of the Water Shortage Plan as a MFL recovery strategy. However, when a drought occurs, the District will rely upon the Water Shortage Plan, as necessary, to address regional water availability. This strategy is discussed below.
- To the extent practicable, the District shall implement water deliveries to reduce or prevent the MFL criteria from being exceeded. Operational guidelines necessary for implementation of water supply deliveries to achieve MFLs, in concert with meeting other required water demands, will be identified. However, water deliveries to prevent the MFL criteria from being exceeded will be given priority consideration over deliveries for other purposes.
- Before considering reduction in permitted withdrawals in a recovery and prevention strategy, all practical means to prevent reductions in available water supplies for consumptive use shall be explored and implemented. When determining whether reductions in existing legal uses are required, the following factors shall be considered:

- The extent of MFL shortfall directly caused by existing legal uses
- The practicality of avoiding the need for reductions in permitted supplies, including structural and operational measures, by maximizing the beneficial uses of the existing water source
- The risk of significant harm resulting from the existing legal use in the interim period before the recovery strategy is fully implemented

Table J-1. Water Resource Development Projects that Provide Water Supplies Associated with MFL Recovery Plans and Water Reservations.

Water Body	Basis of Reservation	Water Supply Development Projects	Year Water Reservation Rule Will Be Developed[a]
Everglades National Park	Rain-driven/ Stage formula	Everglades Construction Project	2005
		Modified Water Deliveries to Everglades National Park	2005
		C-111 Operational Modifications[b]	2005
		L-31 Levee Improvements	2010
		WCA-3A and WCA-3B Seepage Management	2010
		Decompartmentalize WCA-3A, Phase I	2010
		Decompartmentalize WCA-3A, Phase II	2020
		West Miami-Dade County Reuse (50 MGD)	2020
		Central Lake Belt Storage Area (92,160 ac-ft)	2021
WCAs and Everglades National Park	Rain-driven/ Stage formula	EAA Storage Reservoir, Compartment 1 (180,000 ac-ft)	2010
		EAA Storage Reservoir, Compartment A (120,000 ac-ft)	2010
		EAA Storage Reservoir, Compartment B (60,000 ac-ft)	2015
		Taylor Creek/Nubbins Slough Reservoir (50,000 ac-ft)	2010
		Lake Okeechobee ASR, Phase 1 (500 MGD)	2015
		Lake Okeechobee ASR, Phase 2 (1,000 MGD)	2020
		North of Lake Okeechobee Storage Reservoir	2015
St. Lucie Estuary	Salinity envelope criteria	C-44 Basin Storage Reservoir (30,000 ac-ft)	2010
Caloosahatchee Estuary	Salinity envelope criteria	C-43 Basin Storage Reservoir	2010
		C-43 Basin ASR (220 MGD)	2015
Stormwater Treatment Areas (STAs)[c]	Six-inch minimum depth	Lake Okeechobee Storage	2005
Loxahatchee River	Salinity envelope criteria	C-51 and Southern L-8 Reservoir	2015
		West Palm Beach Water Catchment Area ASR[d]	2015
Biscayne Bay Florida Bay	Salinity envelope criteria	Construction of S-356 Structures and Relocation of a Portion of L-31N Borrow Canal	2010
		South Miami-Dade County Reuse (131 MGD)	2020
		Central Lake Belt Storage Area (92,160 ac-ft)	2021
		North Lake Belt Storage Area (45,000 ac-ft)	2021

a. These dates to complete MFLs are taken from a letter from SFWMD to FDEP dated November 15, 1999.
b. C-111 Operational Modifications are part of the Modification to South Dade Conveyance System in Southern Portion of L-31N and C-111 Canals component
c. MFL criteria are not applicable to this water body.
d. The West Palm Beach Water Catchment Area ASR is part of the L-8 Project.

MFL PREVENTION STRATEGY THROUGH WATER SHORTAGE PLAN IMPLEMENTATION

MFLs are the point at which further withdrawals would cause significant harm to water resources. Significant harm in the LEC Plan is defined as the level of harm that requires multiple years for the water resource to recover. This is considered to be more severe than the harm standard imposed in the CUP process, which relates to impacts that would occur through a 1-in-10 year drought. Therefore, MFLs in a recovered natural system would not be exceeded until conditions had already exceeded the 1-in-10 year drought level of certainty criteria. Beyond the 1–in-10 year drought level of certainty, when MFLs are being approached, the District will impose water shortage declarations to curb consumptive use withdrawals.

Pursuant to Section 373.246, F.S., water shortage declarations are designed to prevent serious harm from occurring to water resources. Serious harm, the ultimate harm to the water resources that was contemplated under Chapter 373, F.S., can be interpreted as long-term, irreversible, or permanent impacts to the water resource. MFLs are associated with significant harm, which is considered to be less severe than serious harm. As a result, MFLs will act as triggers for imposing water shortages.

The District has implemented its water shortage authority by restricting consumptive uses based on the concept of shared adversity between users and the water resources (Chapter 40E-21, Florida Administrative Code [F.A.C]). Under this program, different levels or phases of water shortage restrictions with varying levels of severity are imposed relative to the severity of drought conditions. The four phases of current water shortage restrictions are based on progressively increasing resource impacts leading up to serious harm. Under the District's program, Phase I and II water shortages primarily reduce water use through conservation techniques and minor use restrictions, such as restrictions on car washing and lawn watering. Phases III and IV, however, require use cutbacks that are associated with some level of economic impact to the users, such as the potential for crop damage due to agricultural irrigation restrictions.

Staff proposes that Phase III, or severe cutbacks in consumptive use withdrawals, which are required under the Water Shortage Program, occur when MFLs are projected to be exceeded (**Figure J-1**). As a prevention strategy, MFLs will be directly incorporated into the Water Shortage Rule, Chapter 40E-21, F.A.C., Water Shortage Triggers.

MFLS FOR SPECIFIC WATER BODIES

Meeting MFL Criteria for Lake Okeechobee

Significant harm criteria developed for Lake Okeechobee were based on the relationship between water levels in the lake and the ability to a) protect the coastal aquifer against saltwater intrusion, b) supply water to Everglades National Park, c) provide littoral zone habitat for fish and wildlife, and d) ensure navigational and

recreational access. Consideration was also given to the lake's function as a storage area for supplying water to adjacent areas such as the Everglades Agricultural Area (EAA), the Seminole Indian Tribe, the Caloosahatchee and St. Lucie basins, and the Lake Okeechobee Service Area.

Water Supply Planning MFL Criteria

> Water levels should not fall below 11 ft NGVD for more than 80 days duration, more often than once every six years, on average (SFWMD, 2000a).

Meeting MFL Criteria for the Everglades

Technical relationships considered for developing MFL criteria for the Everglades included the effects of water levels on hydric soils and plant and wildlife communities, and frequency and severity of fires. Impacts associated with significant harm include increased peat oxidation, frequency of severe fires, soil subsidence, loss of aquatic refugia, loss of tree islands, and long-term changes in vegetation or wildlife habitat. The proposed minimum water level criteria for the Everglades were based on protecting the two dominant soil types found within the ecosystem as follows:

MFL Criteria for Peat-Forming Wetlands

Water levels within wetlands overlying organic peat soils within the WCAs, Rotenberger and Holey Land wildlife management areas, and Shark River Slough (Everglades National Park) shall not fall below ground surface for more than 30 days and shall not fall below 1.0 foot below ground for one day or more of that 30-day period, at specific return frequencies for different areas, as identified in **Table 44**, **Chapter 4** of the Planning Document of the LEC Plan.

MFL Criteria for Marl-Forming Wetlands

Water levels within marl-forming wetlands that are located east and west of Shark River Slough, the Rocky Glades, and Taylor Slough within Everglades National Park, shall not fall below ground surface for more than 90 days and shall not fall below 1.5 feet below ground for one day or more of that 90-day period at specific return frequencies for different areas, as identified in **Table 44**, **Chapter 4** of the Planning Document of the LEC Plan.

Meeting MFL Criteria for the Biscayne Aquifer

Criterion for the Biscayne aquifer were developed based on analysis of technical relationships among ground water levels and canal water levels, and the potential for saltwater intrusion. Harm occurs when the saltwater interface moves further inland than has occurred historically due to seasonal water level fluctuations, up to and including a 1-in-10 year drought. Significant harm occurs when saline ground water moves inland to

an extent that it limits the ability of users to obtain fresh ground water in the amounts specified in their permits and will require several years for the freshwater source to recover.

The proposed criteria do not address the ground water base flows to Biscayne Bay or Florida Bay. Data are presently being collected to define MFLs for these water bodies.

Biscayne Aquifer Minimum Level

The term minimum level for the Biscayne aquifer refers to water levels associated with movement of the saltwater interface landward to the extent that ground water quality at the withdrawal point is insufficient to serve as a water supply source for a period of several years before recovering. For evaluation of model simulations, operational criteria are applied to the coastal canals that receive regional water. **Table J-2** provides the minimum canal operational levels for eleven primary water management structures. To meet the operational criteria, the canal stage cannot fall below the levels for more than 180 days, and the average annual stage must be sufficient to allow levels and chloride concentrations in the aquifer to recover to levels that existed before a drought or discharge event occurred. See **Figure J-D-4** in **Appendix D** for an example of the model output for this performance measure.

Table J-2. Minimum Canal Operation Levels of Coastal Canals.

Canal/Structure	Minimum Canal Operation Levels to Protect Against MFL Violations (ft NGVD)
C-51/S-155	7.80
C-16/S-41	7.80
C-15/S-40	7.80
Hillsboro/G-56	6.75
C-14/S-37B	6.50
C-13/S-36	4.00
N.N. River/G-54	3.50
C-9/S-29	2.00
C-6/S-26	2.50
C-4/S-25B	2.50
C-2/S-22	2.50

Meeting MFL Criteria for the Caloosahatchee Estuary

The proposed Caloosahatchee Estuary MFL criteria is based on maintaining freshwater base flows to the upper reaches of the Caloosahatchee Estuary, which will prevent excessive salinity levels in the estuary from causing significant harm to

submerged aquatic vegetation and fish and invertebrate communities. Research data were used to relate freshwater flow rates to salinity distributions along the Caloosahatchee River and to correlate biologic community responses to varying salinity conditions. These relationships were established for submerged aquatic vegetation, fish, and invertebrates with major emphasis on the salinity requirements of the freshwater grass *Vallisneria* (commonly known as tape grass or eel grass). It was determined that the distribution and abundance of *Vallisneria* at a location 30 kilometers upstream of Shell Point is the best biological indicator for addressing freshwater flow needs for the restoration of the Caloosahatchee Estuary. The magnitude of die-off, combined with the frequencies of die-off events, and the resulting impact to fisheries resulting from the loss of *Vallisneria* habitat formed the basis of the proposed MFL criteria.

Proposed Estuary Minimum Flow Criteria

Low freshwater flows, when sustained, cause an increase in salinity, that result in die off of *Vallisneria* to less than 20 shoots per square meter as measured at a monitoring station located 30 kilometers upstream of Shell Point during the months of February through April. Significant harm to the Caloosahatchee Estuary is considered to occur when these freshwater grasses die back due to high salinity from low freshwater inflows for three years in succession. Harm to the Caloosahatchee Estuary is considered to occur when freshwater grasses die back due to high salinity from low freshwater inflows, for two consecutive years. The freshwater inflow needed to prevent harm or significant harm is an average of 300 cubic feet per second (cfs) per day at the S-79 structure during the months of February through April.

MFL RECOVERY AND PREVENTION STRATEGIES FOR SPECIFIC WATER BODIES

Pursuant to the requirements of the MFL statute, analyses of current and future conditions were conducted for each of the priority water bodies where MFLs were defined. When the evaluation showed MFLs are not or will not be met in the future, recovery or prevention strategies, as appropriate, were developed. Following are the MFL recovery/prevention strategies for Lake Okeechobee and the Everglades. The evaluations showed that MFLs for the Biscayne aquifer are expected to be met and, therefore, a recovery/prevention strategy was not required.

Lake Okeechobee

Analysis of the results of the 1995 and 2020 base cases show MFL criteria were met. As a result, the MFL criteria would probably not be exceeded even if the LEC Plan were not implemented. Therefore, a recovery plan is not required for Lake Okeechobee. The prevention strategy consists of implementation of the Water Shortage Plan, including supply-side management, as simulated in the LEC Plan.

Caloosahatchee River and Estuary

Analyses of both the 1995 and 2020 base cases show the proposed MFL criteria for the Caloosahatchee Estuary would be exceeded. Therefore, a recovery plan is necessary. Evaluation of the model results show that while the Caloosahatchee Estuary MFL criteria were exceeded, sufficient quantities of water remained left in Lake Okeechobee to avoid significant harm to the Caloosahatchee Estuary until the proposed long-term regional storage facilities that comprise the recovery plan have been built. These regional storage facilities are recommended in LEC Plan and *Caloosahatchee Water Management Plan* (CWMP) (SFWMD, 2000b, including Aquifer Storage and Recovery (ASR) and regional surface water reservoirs.

Long-term evaluations conducted for both the *Central and Southern Florida Project Comprehensive Review Study Final Integrated Feasibility Report and Programmatic Environmental Impact Statement* (Restudy) and the CWMP indicate that both MFLs and minimum restoration flows (300 cfs during the spring) can be met through a combination of the construction of reservoirs and limited deliveries from Lake Okeechobee and ASR systems located within the basin. Over the next five years, activities for construction of regional facilities include (a) implementation of the ASR pilot project, (b) development of the Project Implementation Report (PIR) for the C-43 Regional Surface Water Reservoir, and (c) completion of the Southwest Florida Study. The reservoir and ASR projects are scheduled for completion in 2010 and 2015, respectively (**Table J-1**).

In the period of time prior to construction of these facilities, the District will utilize water in Lake Okeechobee, when available, for releases to the Caloosahatchee River to prevent MFL violations, which are projected to occur only during extreme droughts. In implementing this interim recovery and prevention strategy, releases to prevent significant harm will occur as follows: if a die-back of *Vallisneria* grass beds occurs in the area identified in the MFL criteria during one year, for at least one of the following two years, an average of 300 cfs of water will be delivered at the S-79 structure during the months of February through April.

The Everglades and Water Conservation Areas

Two general types of impacts (direct and indirect) can occur within the Everglades and WCAs that can be attributed to consumptive use withdrawals. Indirect impacts occur as a result of making regional water deliveries to areas other than the Everglades. Direct impacts result from the pumping of adjacent wellfields that lower the water table along the eastern edge of the Everglades system, affecting wetlands located directly west of the north-south perimeter levee.

In an effort to define which areas of the Everglades may potentially be affected by existing and projected future water demands, District staff utilized the South Florida Water Management Model (SFWMM) to identify where the proposed MFL criteria were not met for the 1995 and 2020 base cases. Review of the 1995 Base Case showed the proposed

Everglades MFL criteria were exceeded at 12 out of 19 locations (indicator regions) within the remaining Everglades system (**Table 45** in **Chapter 4**). Evaluation of the 2020 base case showed similar results (**Table 45** in **Chapter 4**), with no overall increase in the number of sites that exceeded proposed MFL criteria compared to the 1995 Base Case. These results indicate two things. First, a MFL recovery plan will be necessary for the 12 indicator regions identified in this modeling effort. Second, the instances in which the MFL criteria were exceeded were, for the most part, caused by drainage impacts associated with construction and operation of the Central and Southern Florida (C&SF) Project, while some areas may be influenced by a consumptive use withdrawal.

The next step taken was to conduct additional modeling to determine which areas of the Everglades may be affected by consumptive use withdrawals. The following preliminary screening analysis was conducted to identify these areas. The SFWMM simulated two scenarios using the assumptions in the LEC-1 simulation: (1) all LEC public water supply wellfields were turned on in the model, versus (2) all LEC public water supply wellfields were turned off in the model. These are referred to as the Pumps On and Pumps Off scenarios. Modeling results were evaluated using the set of environmental performance measures described in **Chapter 4** and **Appendix D** of this report and are similar to those used in the Comprehensive Everglades Restoration Plan (CERP) evaluation process.

Results of the Pumps On and Pumps Off scenarios revealed five indicator regions within the Everglades system that were potentially susceptible to impacts from public water supply withdrawals, as shown in **Table J-3**. With the wellfields turned off, improvements were observed in the number of times the MFL criteria were exceeded and the duration of the flooding, and a reduction was observed in the number of extreme low water events. These areas included (1) the Rockland marl marsh (11 percent difference in annual flooding); (2) eastern WCA-3B (six percent difference in annual flooding); (3) WCA-2B (five percent difference in annual flooding); (4) Northeast Shark River Slough (three percent difference in annual flooding), and (5) WCA-1, which showed an improvement in annual flooding (two percent), as well as significant reduction in the number of times the MFL criteria were exceeded. These preliminary results suggest that these five areas of the Everglades system have the potential to be impacted by water supply withdrawals to a limited degree.

Cutting off all public water supply wellfields was not considered practicable, due to the limited benefits to the regional system as projected in the model results balanced against (a) the cost of source replacement, (b) the potential water resource impact of large-scale Floridan aquifer development necessary to replace surficial supplies, and (c) long time frames to develop such sources. These factors were also considered against the fact that the CERP planning process has already provided consensus based alternatives to meet the recovery goals of South Florida's natural systems. For these reasons, staff proceeded to model a more realistic consumptive use withdrawal scenario that incorporates assumptions based on the District's current water shortage policy.

This modeling effort was basically a sensitivity analysis to identify the relative magnitude of impact that a 30 percent cutback in public water supply might have on the

Table J-3. Summary of the LEC Water Utility Pumps On and Pumps Off Scenarios for Selected Everglades Sites[a] for the 2020 Base Case.

Area	Gage	IR[b]	Number of Times MFL Criteria Were Exceeded[c]	Inundation/Duration Summary[c]			Number of Extreme Low Water Events[c]
				Number of Flooding Events[c]	Duration (weeks)[c]	Percent Increase in Annual Flooding[c]	
Loxahatchee National Wildlife Refuge (WCA-1)	1-7	27	7/1	20/18	74/84	92/94 (2%)	5/1
WCA-2A	2A-17	24	8/7	18/16	80/92	90/92 (2%)	8/9
WCA-2B	central	23	7/6	15/14	93/104	86/91 (5%)	8/6
Holey Land WMA[d]	HoleyG	29	5/5	11/11	140/140	96/96	5/5
Rotenberger WMA	Rotts	28	22/22	38/38	34/34	79/79	20/20
Northwest corner of WCA-3A	3A-NW	22	10/8	22/21	68/72	92/94 (2%)	8/6
Northwestern WCA-3A	3A-2	20	11/11	27/25	52/57	87/88 (1%)	10/8
Northeastern corner of WCA-3A	3A-3	68	10/8	19/17	76/85	90/90	8/8
Northeastern WCA-3A	3A-NE	21	8/7	17/15	88/101	92/94 (2%)	9/8
Central WCA-3A	3A-4	17	10/10	25/24	57/59	88/88	9/9
Southern WCA-3A	3A-28	14	8/7	17/18	88/83	93/93	5/7
WCA-3B	3B-SE	16	15/11	29/20	46/72	83/89 (6%)	19/12
Northeastern Shark River Slough	NESRS-2	11	9/7	20/18	71/82	88/91 (3%)	9/10
Central Shark River Slough	NP-33	10	7/7	15/13	100/117	93/94 (1)	7/8
Southwestern Shark River Slough	NP-36	9	8/6	15/15	98/100	91/93 (2)	11/9
Marl wetlands east of Shark River Slough	NP-38	70	15/13	61/61	15/16	58/59 (1%)	NA[e]
Marl wetlands west of Shark River Slough	NP-201	12	9/8	36/31	36/43	80/82 (2)	20/20
Rockland Marl Marsh	G-1502	8	24/19	40/40	19/23	46/57 (11%)	31/25
Taylor Slough	NP-67	1	16/16	38/36	30/32	71/72	28/28

a. Sites selected based on their potential for impact by a LEC wellfield withdrawal
b. IR = Indicator Region
c. First number in each box represents utility **Pumps On (full water use)**; second number represents **Pumps Off (a 30% cutback in water use by Miami-Dade County)**
d. WMA = Wildlife Management Area
e. NA = Not applicable

five areas identified above. The sensitivity analysis was conducted with the SFWMM simulating (a) all LEC public water utilities pumps turned on; and (b) all LEC utilities turned on, with Miami-Dade County's wellfields reduced by 30 percent (the level of cutback associated with Phase II water shortage restrictions). The purpose of this analysis was to see if simply implementing a water shortage cutback could reduce the number of times the MFL criteria was exceeded prior to the construction of the CERP projects. Modeling results were evaluated using the standard set of environmental performance measures developed for the LEC Plan (**Chapter 4** and **Appendix D**). These included review of (a) the number of times the MFL criteria were exceeded during the 31-year simulation period, (b) stage hydrographs and stage duration curves, (c) the number of

flooding events and their duration, (d) the percent reduction or increase in annual flooding, and (e) the number of extreme high and low water events. Results are presented below in **Table J-4** for the 2005 simulation and in **Table J-5** for the LEC-1 Revised simulation.

2005 Incremental Simulation with a 30 Percent Cutback

For the 2005 incremental simulation, three areas were identified that showed hydrologic differences between the two modeling scenarios. These areas were (1) the Rockland marl marsh located with Everglades National Park (Indicator Region 8), (2) Northeast Shark River Slough (Indicator Region 11), also located in Everglades National Park, and (3) southeast WCA-3B (Indicator Region 16). All three of these sites are located within the extreme western portion of urbanized Miami-Dade County (**Table J-4**). The impacts of the 30 percent cutback to the other two areas were not measurable.

Table J-4. Results of the Model Simulation for Selected Everglades Sites[a]: 2005 versus 2005 with a 30 Percent Cutback in Public Water Supply Withdrawals for Miami-Dade County.

Area	IR[b]	Number of Times MFL Criterion Was Exceeded[c]	Inundation/Duration Summary[c]			Number of High Water Events[c]	Number of Low Water Events[c]	Average Duration of Low Water Events[c] (weeks)
			Number of Flood Events[c]	Average Duration (weeks)[c]	Percent Change in Annual Flooding[c]			
Loxahatchee National Wildlife Refuge (WCA-1)	27	5/5	21/21 (3)	71/71	92/92	5/5	4/4	3/3
WCA-2A	24	14/14	23/23	60/60	86/86	0/0	16/16	5/5
WCA-2B	23	16/16	25/24	48/50	74/74	23/22	21/21	9/9
Northwestern WCA-3A	22	14/14	34/33	40/42	85/85	0/0	16/15	6/6
Northeastern WCA-3A	21	12/12	17/17	83/83	87/87	3/3	12/12	6/6
Central WCA-3A	17	8/8	17/17	88/88	93/93	5/5	8/7	4/4
Southern WCA-3A	14	1/2	10/8	158/198	98/98	19/17	1/0	1/0
WCA 3-B	16	10/10	21/19	68/76	88/90 (2%)	5/5	13/12	4/3
Northeastern Shark River Slough	11	11/11	23/20	61/72	87/89 (2%)	14/13	12/11	6/6
Central Shark River Slough	10	11/11	22/22	66/66	90/90	2/2	12/13	5/5
Southwestern Shark River Slough	9	10/10	20/21	71/68	89/89	0/0	16/16	4/4
Rockland Marl Marsh	8	21/20	35/37	27/26	58/60 (2%)	0/0	26/27	13/12
C-111 Perrine Marl Marsh	4	NA[d]	81/79	10/10	49/50 (1%)	0/0	43/48	34/30
Mid-Perrine Marl Marsh	3	NA[d]	48/48	18/18	52/53 (1%)	0/0	31/28	4/4
Taylor Slough	1	16/16	38/38	30/30	71/72 (1%)	1/1	27/27	4/4

a. Sites selected based on their potential for impact by a LEC wellfield withdrawal
b. IR = Indicator Region
c. First number in each box represents utility **Pumps On (full water use)**; second number represents **Pumps Off (a 30% cutback in water use by Miami-Dade County)**
d. NA = Not applicable

Review of stage hydrographs and stage duration curves for each of these three sites showed very minor differences in performance between the Pumps On and the 30 Percent Cutback modeling scenarios. Differences in performance between the two model simulations were small and included (a) a two percent improvement in hydroperiod (annual flooding), (b) a small increase in the number of continuous flooding events, and (c) a decrease in the number of times the MFL criteria were exceeded for the Rockland marl marsh recorded under the 30 Percent Cutback scenario (**Table J-4).** The improvements identified under the 30 Percent Cutback scenario are very close to or within the assumed confidence limits of the SFWMM and, therefore, may not be significant.

It should also be noted that this modeling scenario implements a 30 percent, year-round cutback for Miami-Dade County for the 31-year simulation. It is unlikely the District would impose a 30 percent cutback in public water supply for Miami-Dade County during wet periods or under normal rainfall conditions. The only time a 30 percent cutback would actually be in effect would be during a major drought period. Therefore, impacts or improvements to Everglades wetland hydrology observed under an actual 30 percent cutback scenario may be considerably less than those shown in **Table J-4**.

LEC-1 Revised Simulation with a 30 Percent Cutback

By 2020, most of the CERP water supply and natural system restoration projects will be built and operating. Comparison of the Pumps On and the 30 Percent Cutback scenarios showed that only two areas have experienced hydrologic differences by 2020. These areas were (1) the Rockland marl marsh (Indicator Region 8) and mid-Perrine marl marsh (Indicator Region 3), each located within eastern portion of Everglades National Park (**Table J-5**).

The largest difference recorded was within the Rockland marl marsh where a three percent improvement in hydroperiod (average annual flooding) was observed under the 30 Percent Cutback scenario (**Table J-5**). In addition, a small decrease in the number of MFL criteria violations for the Rockland marl marsh was observed under the 30 Percent Cutback scenario. In the mid-Perrine marl marsh, a two percent improvement in hydroperiod and a small increase in the number of continuous flooding events was observed when the 30 percent cutback was imposed (**Table J-5**). Again, these results are close to the confidence limits of the SFWMM. It is unlikely the District would impose a 30 percent year-round cutback in public water supply for Miami-Dade County. Therefore, the observed differences between model simulations would more than likely be less than those presented in **Table J-5**.

These cutbacks did not show a significant reduction in the number of times the MFL criteria were exceeded, suggesting that a 30 percent cutback would not be effective in improving the MFL performance in the Everglades. As a result, the recommended MFL recovery program for the Everglades does not incorporate cutbacks of consumptive use permits.

Table J-5. Results of the Model Simulation for Selected Everglades Sites[a]: LEC-1 Revised versus LEC-1 Revised with a 30 Percent Cutback in Public Water Supply Withdrawals for Miami-Dade County.

Area	IR[b]	Number of Times MFL Criterion Was Exceeded[c]	Inundation/Duration Summary[c]			Number of High Water Events[c]	Number of Low Water Events[c]	Average Duration of Low Water Events[c] (weeks)
			Number of Flood Events[c]	Average Duration[c] (weeks)	Percent Change in Annual Flooding[c]			
Loxahatchee National Wildlife Refuge (WCA-1)	27	1/1	12/12 (3)	129/129	96/96	7/7	1/1	1/1
WCA-2A	24	8/8	13/13	112/112	91/91	5/5	11/11	6/6
WCA-2B	23	8/8	19/18	71/75	83/84 (1%)	21/22	12/12	8/7
Northwestern WCA-3A	22	6/5	27/20	56/76	94/95 (1%)	0/0	4/4	4/3
Northeastern WCA-3A	21	15/14	26/26	52/52	83/84 (1%)	7/7	17/19	5/4
Central WCA-3A	17	4/4	16/16	96/96	95/96 (1%)	2/2	5/5	3/3
Southern WCA-3A	14	4/5	11/12	140/128	95/95	3/3	4/4	3/3
WCA 3-B	16	3/3	10/10	154/155	96/96	13/16	3/3	3/2
Northeastern Shark River Slough	11	2/2	15/11	105/143	97/98 (1%)	8/10	2/3	3/2
Central Shark River Slough	10	2/2	9/10	175/158	98/98	3/3	2/2	3/2
Southwestern Shark River Slough	9	4/4	15/13	103/119	96/96	0/0	6/5	2/2
Rockland Marl Marsh	8	22/20	38/39	23/24	55/58(3%)	0/0	28/25	10/10
C-111 Perrine Marl Marsh	4	NA[d]	45/42	27/29	76/76	11/11	49/48	18/18
Mid-Perrine Marl Marsh	3	NA[d]	50/48	17/18	52/54 (2%)	0/0	34/33	4/4
Taylor Slough	1	16/16	37/36	31/32	71/71	5/5	28/28	4/4

a. Sites selected based on their potential for impact by a LEC wellfield withdrawal
b. IR = Indicator Region
c. First number in each box represents utility **Pumps On (full water use)**; second number represents **Pumps Off (a 30% cutback in water use by Miami-Dade County)**
d. NA = Not applicable

The District's current CUP criteria prohibits the issuance of permits that would cause harm to the water resources. As a result, in areas where the MFL criteria are being exceeded (significant harm occurring), no consumptive use permits could be issued that would cause an additional drawdown under the 1-in-10 year level of certainty. Consumptive uses that would cause an increase in the number of times the MFL criteria were exceeded within the Everglades would also not be permittable.

As a result of these factors, the main component of the MFL recovery plan for the Everglades is the construction and operation of the CERP and LEC regional water supply planning projects slated for completion between 2010 and 2020. In the interim, the plan recommends that the District conduct an annual assessment of the availability of water supply in regional storage available for releases to prevent the MFL criteria from being exceeded. To the degree practicable, the District’s Governing Board shall authorize staff to make releases to prevent violations of the proposed MFL criteria.

With regard to the CUP process, no new uses or increased withdrawals, notwithstanding seasonal withdrawals for ASR storage that do not impact MFL criteria, that directly cause additional drawdowns beneath areas where MFL criteria are not met, will be permitted prior to the implementation of water resource development projects for recovery of these areas. The District will initiate rulemaking to reserve from allocation water intended for meeting hydropattern goals in the Everglades. These reservations will reflect initial limits on water availability in the regional system due to lack of storage, and will be revised or upgraded every five years, as needed, as CERP projects come on line. Finally, all CUP applicants will be required under District rule to demonstrate that their uses are efficient and consistent with the increase in water supplies as projects are implemented. To achieve this, the District will establish rules to further implement efficiency measures for use of water from the regional system, including criteria for capture of ASR water, and to limit by rule water allocations for new or increased cumulative demands from regional water supplies to five-year periods.

Specifics for Water Conservation Area 2B

Results of regional modeling efforts performed as part of the LEC Plan identified WCA-2B as the only area of the northern Everglades that received a red score for all the incremental alternatives (2005, 2010, and 2015) and LEC-1 Revised, as well as for LEC-1. These results indicate this area of the Everglades fails to meet LEC regional water supply planning targets and ecosystem recovery is not likely to occur unless significant hydrologic improvements are made to the area. These results are similar to the modeling results recorded in Appendix D of the Restudy (USACE and SFWMD, 1999).

It is the intent of the LEC regional water supply planning process to implement the recommendations of the CERP's REcovery (REstoration, COordination, and VERification) teams to restore or improve Everglades hydropatterns within WCA-2B. The RECOVER teams will have the lead responsibility for identifying potential improvements in design or operations that will resolve any remaining performance problems currently predicted for both the CERP and the LEC Plan for this area of the Everglades Basin.

The approach, which will be used by the RECOVER teams to improve WCA-2B, will be to review and refine (where necessary) the performance measures and indicator regions used to evaluate hydrological performance. An increase in the number of indicator cells in WCA-2B may be required to better understand the nature of the hydrological performance problem and potential solutions. Once performance measures are reviewed, additional structural improvements and operational features will be suggested and modeled to determine potential solutions to WCA-2B performance. Once these improvements have been identified, they will be presented to the LEC Regional Water Supply Plan Advisory Committee and the District's Governing Board for review and approval and implemented as part of the 2005 LEC Plan.

Biscayne Aquifer

Identified measures to prevent the MFL criteria from being exceeded for the Biscayne aquifer are as follows: 1) maintain coastal canal stages at the minimum operation levels shown in **Table J-2**; 2) implement CUP conditions for issuance to prevent harmful movement of saltwater intrusion up to a 1-in-10 year level of certainty; 3) maintain a ground water monitoring network and utilize data to initiate water shortage cutbacks should the threat of saline water movement become imminent; and 4) conduct research in high risk areas to identify where the position of the saltwater front is adjacent to existing and future potable water sources.

MFL RECOMMENDATIONS

Recommendation 11: Biscayne Bay Minimum and Maximum Flow Targets

Discussion

A major recommendation of the LEC Plan is to identify the freshwater flows that support the maintenance of environmentally desirable flow and salinity targets for Biscayne Bay. The completion of an ecological model for Biscayne Bay will complement the hydrodynamic model developed by the U.S. Army Corps of Engineers – Waterways Experiment Station (USACE-WES) and the ground water model developed for Biscayne Bay by the U.S. Geological Survey (USGS). The completion of these tools will enable scenarios of varying freshwater inflows to be evaluated, resulting in recommendations for a salinity regime.

Subtasks

Task 11a. Interagency review of models, scenarios and standards

Task 11b. Data processing

Task 11c. Conduct secondary review

Task 11d. Publish final report of recommended MFL technical criteria

Task 11e. Develop a MFL recovery and prevention strategy for those areas that do not meet the proposed MFL criteria

Task 11f. Conduct rule development and rulemaking

Summary Information

Cost: $200,000 in FY 2001

FTEs: 2.2 through FY 2003

Funding Source: Florida Forever Act, Surface Water Improvement Management (SWIM) and CERP

Implementing Agencies: SFWMD, Miami-Dade County DERM, and USACE

Table J-6. Estimated Schedule and Costs for Developing Biscayne Bay Minimum and Maximum Flow Targets.

Recommendation Subtasks		Plan Implementation Costs ($1,000s and FTEs)											
		FY01		FY02		FY03		FY04		FY05		Total 2001-2005	
		$	FTE	$	FTE	$	FTE	$	FTE	$	FTE	$	FTE
a	Interagency review		0.1		0.1								0.2
b	Data processing	200	0.5									200	0.5
c	Secondary review		0.2		0.1								0.3
d	Final report				0.5								0.5
e	Recovery plan/prevention strategy				0.5								0.5
f	Rulemaking						0.2						0.2
	TOTAL	200	0.8		1.2		0.2					200	2.2

Recommendation 35: Establish MFLs

Discussion

Establish MFLs by rule by December 2000 for Lake Okeechobee, the Everglades and the WCAs, the Biscayne aquifer (north of the C-2 Canal), and the Caloosahatchee Estuary. Develop and establish MFLs for the Loxahatchee River and St. Lucie Estuary by 2001, for Florida Bay by 2003, and for Biscayne Bay and the southern coastal Biscayne aquifer by 2004. Funding and manpower estimates are associated with the rulemaking and peer review process only. Funding and manpower associated with data collection and research are incorporated as separate recommendations.

Subtasks

Task 35a. Complete research on Biscayne Bay, Florida Bay, St. Lucie Estuary, and the southern coastal Biscayne aquifer

Task 35b. Finalize the MFL criteria development process

Task 35c. Incorporate proposed MFLs and recovery and prevention strategies into the rulemaking process consistent with the dates for establishment identified in **Table J-7**

Task 35d. Conduct public workshops on rule language, notice draft rule with FAW, and seek Governing Board authorization of rule

Table J-7. Target Dates for Establishing MFL and Reservation Rules.

Priority Water Body	Target Date for Establishment MFL Rule	Target Date for Establishment of Reservation Rule
Lake Okeechobee	December 2000	NA
Water Conservation Areas	December 2000	December 2003
Holey Land and Rotenberger WMAs	December 2000	December 2003
Everglades National Park	December 2000	December 2003
Rockland Marl Marsh in Everglades National Park	December 2005	December 2005
St. Lucie Estuary	December 2001	December 2001
Caloosahatchee River and Estuary	December 2000	December 2000
Stormwater Treatment Areas	NA	March 2001
Loxahatchee River	December 2001	December 2001
Biscayne Bay	December 2004	December 2004
Florida Bay	December 2003	December 2003
Biscayne Aquifer	December 2000	NA
Southern Biscayne Aquifer	December 2003	NA
Subregional Wetlands	NA	December 2003

Summary Information

Cost: $80,000 over five years (peer review and rulemaking process only)

FTEs: 1.3

Funding Source: SFWMD

Implementing Agency: SFWMD

Table J-8. Estimated Schedule and Costs for Establishing MFLs.

Recommendation	Plan Implementation Costs ($1,000s and FTEs)											
	FY01		FY02		FY03		FY04		FY05		Total 2001-2005	
	$	FTE	$	FTE	$	FTE	$	FTE	$	FTE	$	FTE
Establish MFLs	40	0.5				0.3	40	0.5			80	1.3

Recommendation 36: MFL Criteria for the Rockland Marl Marsh

Discussion

Everglades National Park staff has suggested the proposed interim MFL criteria for the Rockland marl marsh may not sufficiently protect these wetlands from significant harm. Additional wetland research is proposed to confirm or refine the MFL return frequency criteria that will not cause significant harm to marl-forming wetland plant and animal communities. As part of the LEC regional water supply planning process, the District, Everglades National Park, and USGS staff will jointly develop a work plan to conduct the necessary research needed to confirm or refine the proposed MFL return frequency criteria for the Rockland marl marsh. This work will also help to determine appropriate levels for reservations of water.

Subtasks

Task 36a. Select an interagency working group, with public input, to develop the Rockland marl marsh MFL research plan

Task 36b. Develop the draft research plan and have it independently peer reviewed by November 2001

Task 36c. Once the research plan has been approved, the District will include its portion of the cooperative agreement in its 2002 budget for Governing Board approval

Task 36d. Implement the research plan by September 2002 with a final report delivered to the District by July 2005

Summary Information

Cost: $115,000

FTEs: 0.5

Funding Source: SFWMD

Implementing Agencies: SFWMD, Everglades National Park, and USGS

Table J-9. Estimated Schedule and Cost for MFL Research for the Rockland Marl Marsh.

	Plan Implementation Costs ($1,000s and FTEs)											
	FY01		FY02		FY03		FY04		FY05		Total 2001-2005	
Recommendation	$	FTE	$	FTE	$	FTE	$	FTE	$	FTE	$	FTE
MFL Research for the Rockland Marl Marsh	15	0.1	100	0.1		0.1		0.1		0.1	115	0.5

Recommendation 37: MFLs for Florida Bay

Discussion

In response to recommendations made by Everglades National Park staff, Florida Bay was placed on the District's Priority Water Body List for establishment in 2003. A sufficiency review of the necessary technical information needed to develop MFLs for Florida Bay has been completed and is under review. A number of research projects are currently under way that will provide data for developing initial MFLs for Florida Bay. In addition, conceptual models of Florida Bay are being developed by the CERP RECOVER Team and may be used as a starting point for developing MFL criteria for Florida Bay. The District expects to develop initial MFL criteria for Florida Bay by 2003.

Subtasks

Task 37a. Complete the MFL sufficiency review for Florida Bay

Task 37b. Complete the work plan for Florida Bay MFL development

Task 37c. Utilize existing research programs to collect the necessary stage, flow, and salinity data needed to establish flow-salinity relationships for Florida Bay

Task 37d. Utilize existing salinity response information on seagrasses and evaluate high salinity response (up to 70 ppt) experiments in Key Largo mesocosms

Task 37e. Finalize the development of conceptual models and use them as a starting point for the development of MFL criteria for Florida Bay

Task 37f. Utilizing the above information, develop and publish initial MFL technical criteria for Florida Bay, and have this technical document peer reviewed by an independent scientific peer review panel by March 2003

Task 37g. Establish initial MFLs (Phase 1) for Florida Bay by December 2003. Identify minimum flows and/or levels needed to prevent significant harm, and identify the amount of water needed to restore Florida Bay and establish a reservation of water to protect the ecosystem

Task 37h. Develop a Florida Bay water quality model and incorporate trophic level responses

Task 37i. Utilize water quality models to establish Phase 2 MFLs for Florida Bay by December 2006

Summary Information

Cost: $850,000

FTEs: 11.5

Funding Source: SFWMD

Implementing Agencies: SFWMD, Everglades National Park

Table J-10. Estimated Schedule and Cost for MFLs for the Florida Bay.

	Plan Implementation Costs ($1,000s and FTEs)											
	FY01		FY02		FY03		FY04		FY05		Total 2001-2005	
Recommendation	$	FTE	$	FTE	$	FTE	$	FTE	$	FTE	$	FTE
MFLs for the Florida Bay	200	2.5	250	2.5	150	2.5	125	2.0	125	2.0	850	11.5

Recommendation 38: MFL Recovery Strategies

Pursuant to the requirements of the MFL statute, analyses of current and future conditions were conducted for each of the priority water bodies where MFLs were defined. When the evaluation showed MFLs are not or will not be met in the future, recovery or prevention strategies, as appropriate, were developed. See Chapter 5, **page 227**, for a more detailed discussion of MFL recovery strategies.

Subtasks

Task 38a. Complete the design, permitting, and construction of CERP related long-term recovery strategies

Task 38b. Develop and implement operational protocols for releasing water from regional storage, as conditions warrant, to prevent the MFL criteria from being exceeded prior to implementation of long-term recovery measures. See Recommendations 33 and 34 for more information.

Task 38c. Complete rulemaking that: a) defines regional water supply to coastal service areas during 1-in-10 year drought conditions consistent with environmental restoration and water resource development implementation schedules; b) addresses permit duration and limits on the amounts of reasonable new demands on regional water supply in five-year increments; c) establishes enhanced water conservation measures for water users; and d) establishes water reservations for the Everglades system.

Summary Information

Cost: $200,000

FTEs: 1

Funding Source: SFWMD

Implementing Agencies: SFWMD

Table J-11. Estimated Schedule and Cost for MFL Recovery Strategies.

	Plan Implementation Costs ($1,000s and FTEs)											
	FY01		FY02		FY03		FY04		FY05		Total 2001-2005	
Recommendation	$	FTE	$	FTE	$	FTE	$	FTE	$	FTE	$	FTE
MFL recovery strategies	75	0.2	50	0.2	25	0.2	25	0.2	25	0.2	200	1.0

Recommendation 39: MFL Monitoring Systems

Discussion

Monitoring systems must be established in order to implement MFL recovery and prevention strategies and conduct research necessary to further refine the ability to project when significant harm could occur. The monitoring systems will collect water flow, water level, and water quality data. Monitoring data is necessary to affect interim operational strategies and to gage the success of MFL long-term recovery and prevention strategies.

Subtasks

Task 39a. Identify appropriate locations within the LEC planning area to establish a long-term MFL monitoring network. Review and evaluate the location of current water management gages. Relocate and/or install appropriate lake, estuary, marsh, and canal gaging stations and associated telemetry within each identified MFL priority water body

Task 39b. Develop an interactive database to collect and store MFL data that will provide water managers with real time information that can be used to make operational decisions

Task 39c. Conduct field and laboratory research and monitoring programs designed to evaluate the effects of implementing the proposed MFL criteria proposed as part of this plan. Include both long-term and short-term projects that will evaluate the effects of the proposed criteria at scales ranging from laboratory studies to field monitoring at specific sites. Provide summaries of the results of this research for incorporation into the next update of the LEC Plan.

Summary Information

Cost: $550,000

FTEs: 1.5

Funding Source: SFWMD

Implementing Agencies: SFWMD

Table J-12. Estimated Schedule and Cost for Establishing a MFL Monitoring System.

	Plan Implementation Costs ($1,000s and FTEs)											
	FY01		FY02		FY03		FY04		FY05		Total 2001-2005	
Recommendation	$	FTE	$	FTE	$	FTE	$	FTE	$	FTE	$	FTE
Establish a MFL Monitoring System	50	0.2	200	0.4	200	0.5	50	0.2	50	0.2	550	1.5

REFERENCES

SFWMD. 2000a. *Draft Minimum Flows and Levels for Lake Okeechobee, the Everglades, and the Biscayne Aquifer*, Water Supply Department, Water Resources Management, South Florida Water Management District, West Palm Beach, FL.

SFWMD. 2000b. *Caloosahatchee Water Management Plan*. Water Supply Department, Water Resources Management, South Florida Water Management District, West Palm Beach, FL.

USACE and SFWMD. 1999. *Central and Southern Florida Flood Control Project Comprehensive Review Study Final Integrated Feasibility Report and Programmatic Environmental Impact Statement*. U.S. Army Corps of Engineers, Jacksonville District, Jacksonville, FL, and South Florida Water Management District, West Palm Beach, FL.