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

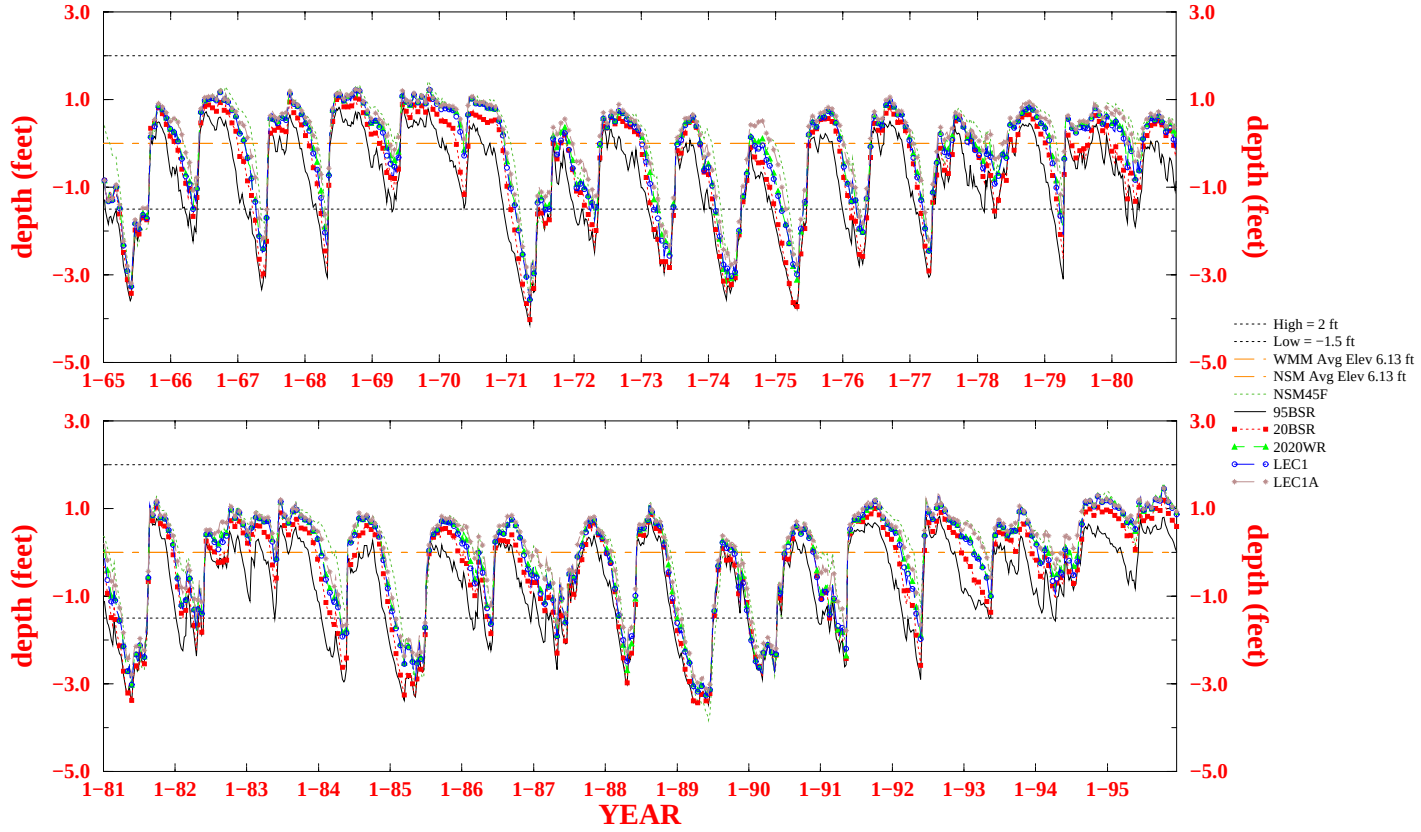
Indicator Region Number	Name	Depth(ft) Criterion	#Events NSM45F	Avg Duration (Wks/Event) NSM45F	Avg Ann Duration(Percent of Yr) NSM45F	#Events 95BSR	Avg Duration (Wks/Event) 95BSR	Avg Ann Duration(Percent of Yr) 95BSR	#Events 20BSR	Avg Duration (Wks/Event) 20BSR	Avg Ann Duration(Percent of Yr) 20BSR	#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

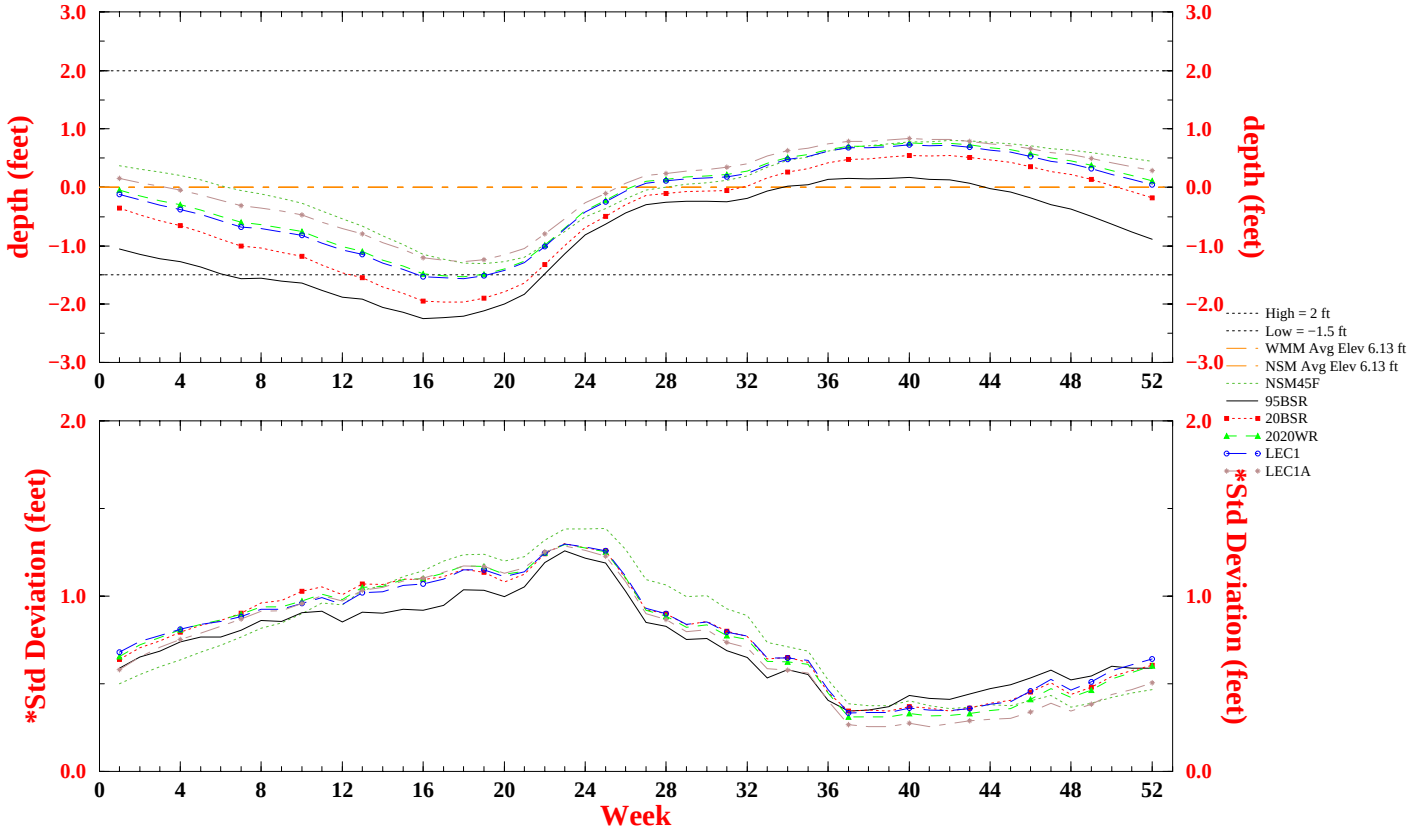
icator Region 8 (R12C21-22 R13C20-23 R14C21-23 R15C21-23 R16C22-23 R17C23-24 R18C24-25 R19C25-25)



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

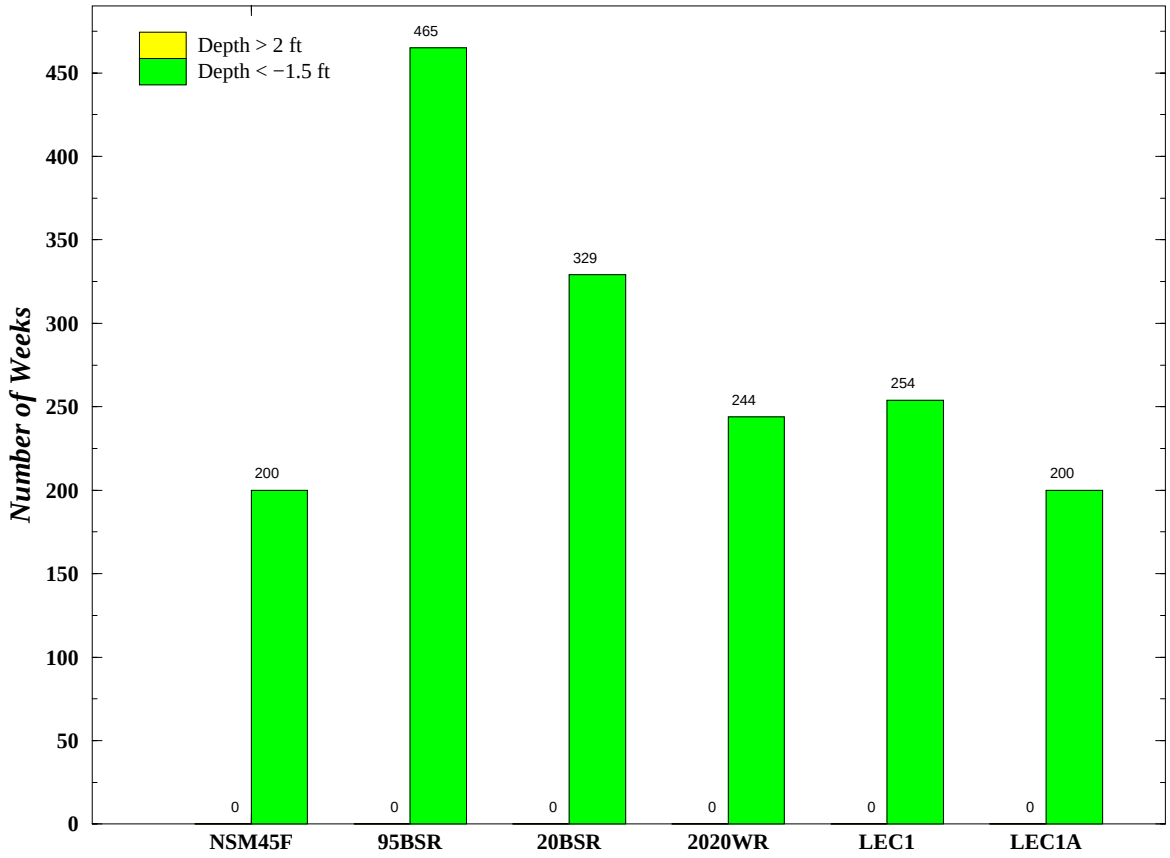
High/Low = 0 indicates criteria undefined for region

* 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

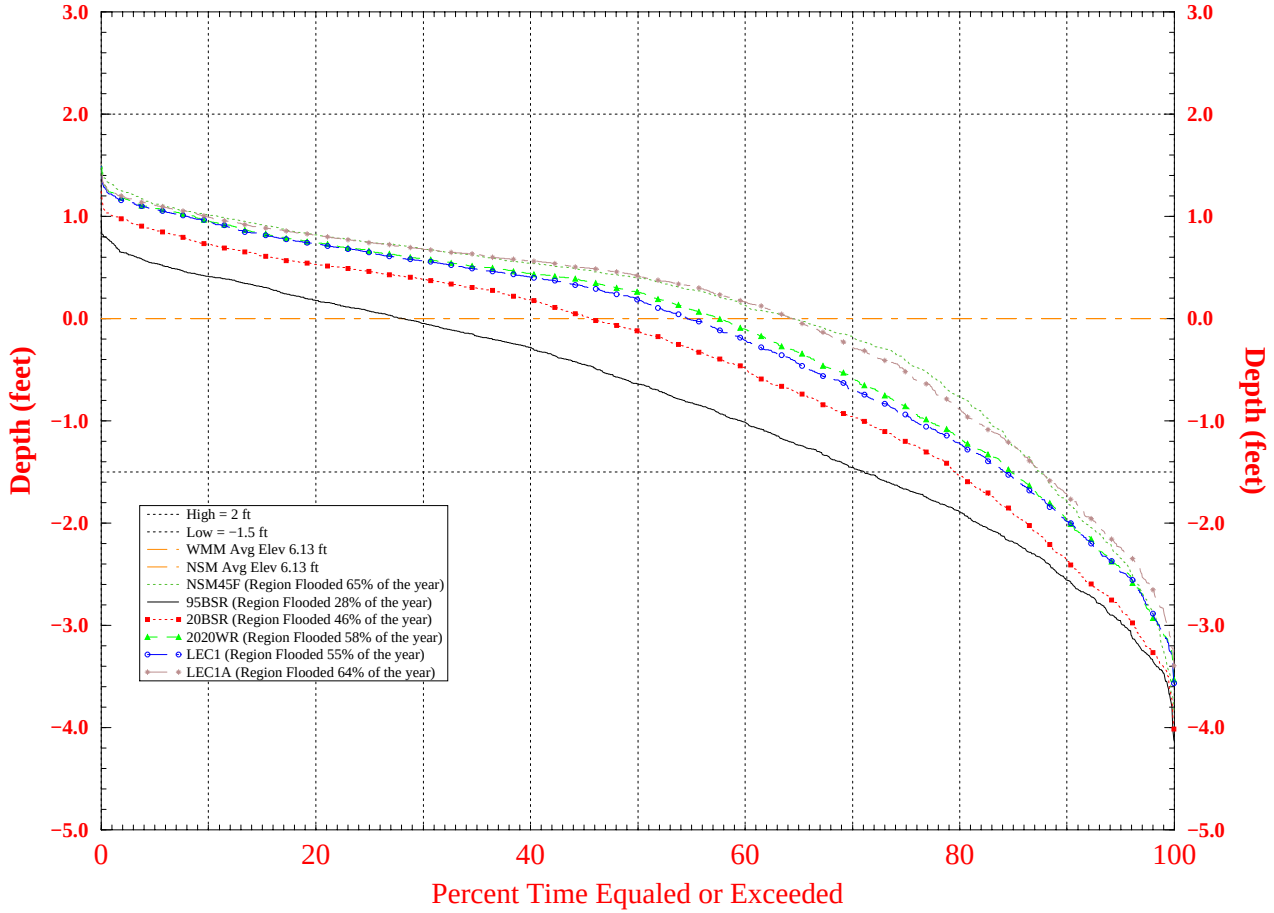


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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

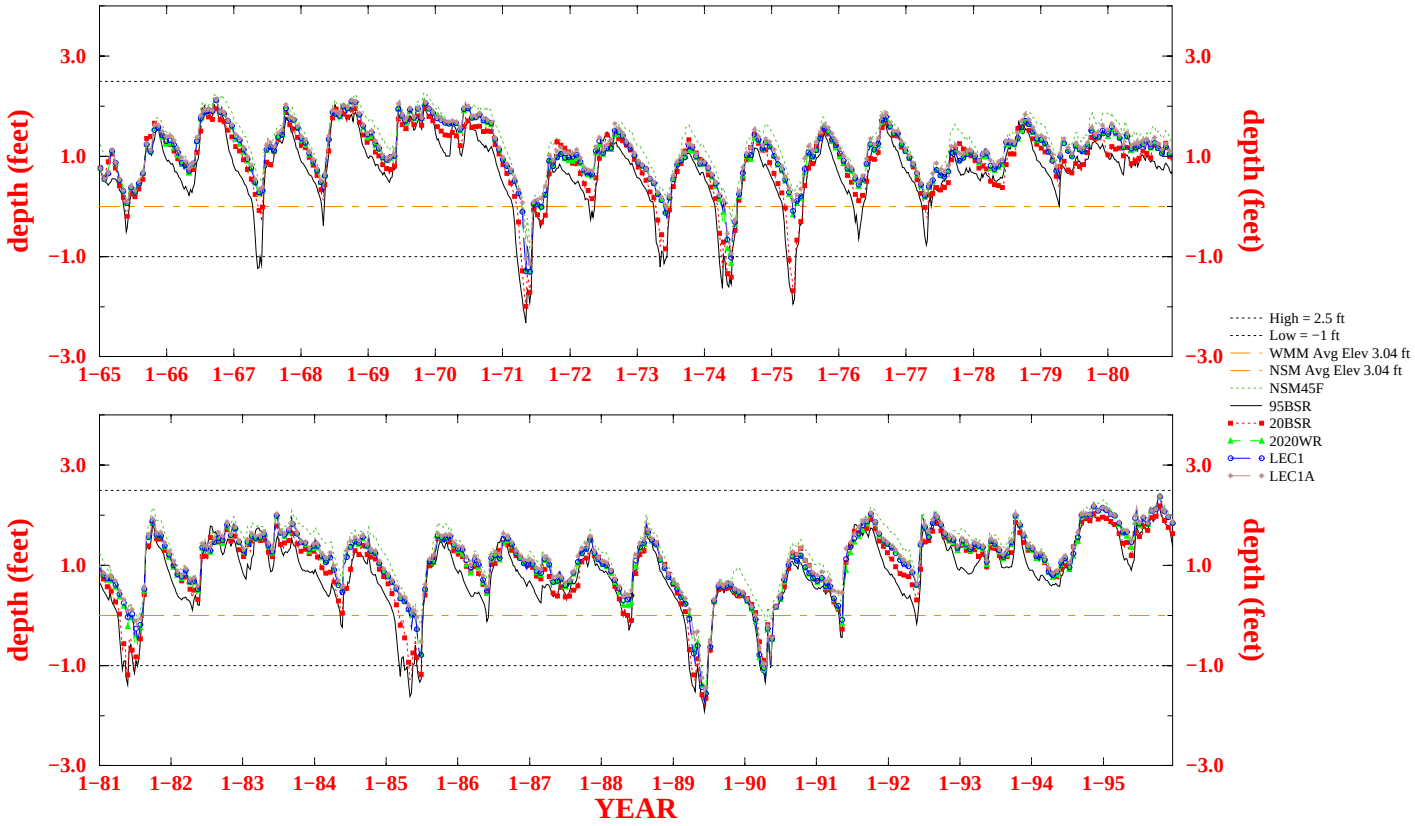


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

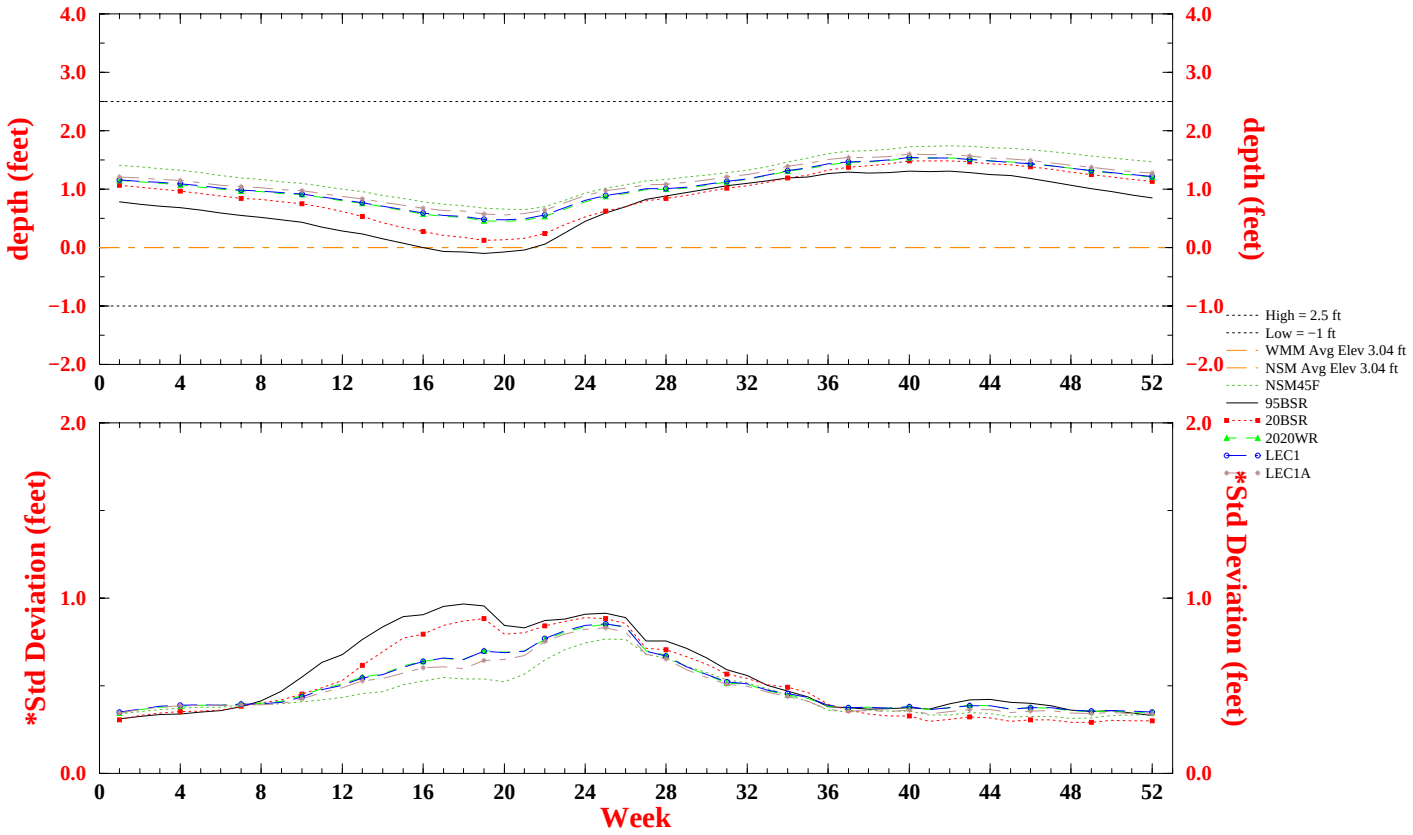
Indicator Region 9 (R13C16-17 R14C17-18 R15C18-18)



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

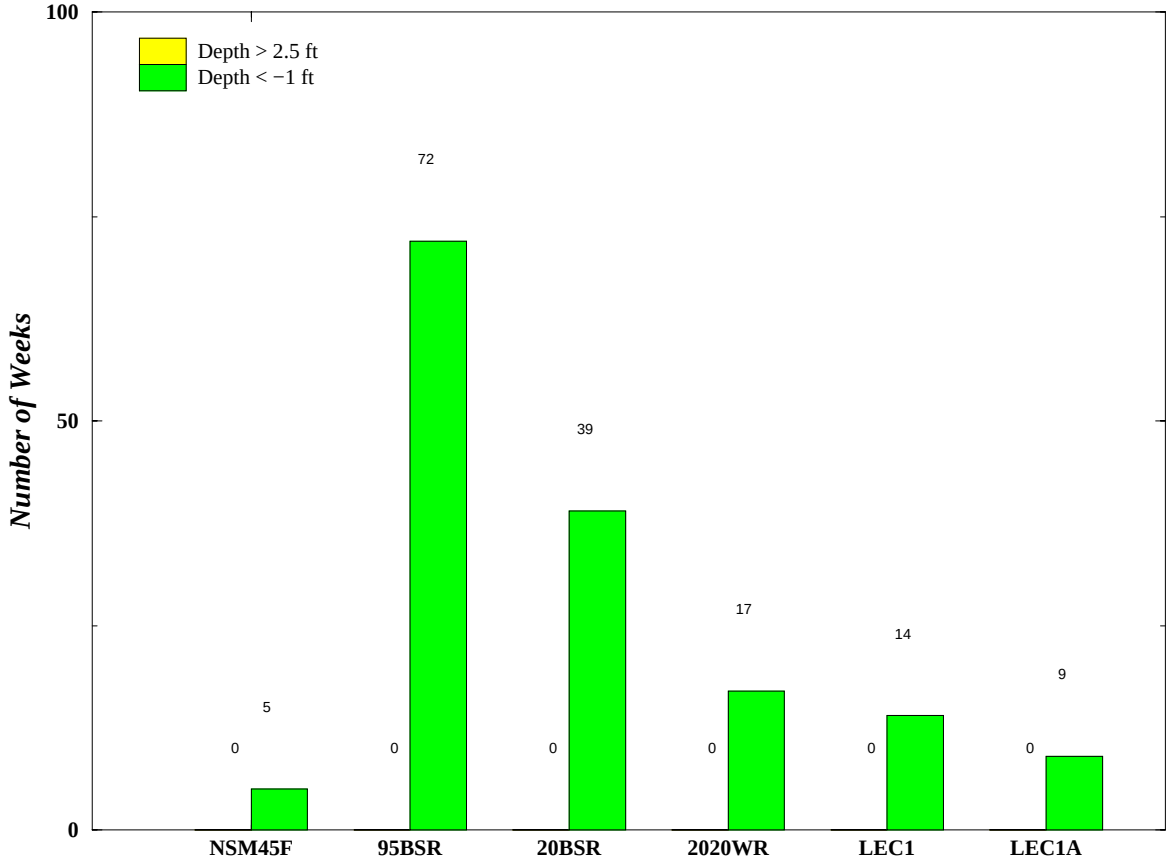
High/Low = 0 indicates criteria undefined for region

* 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)

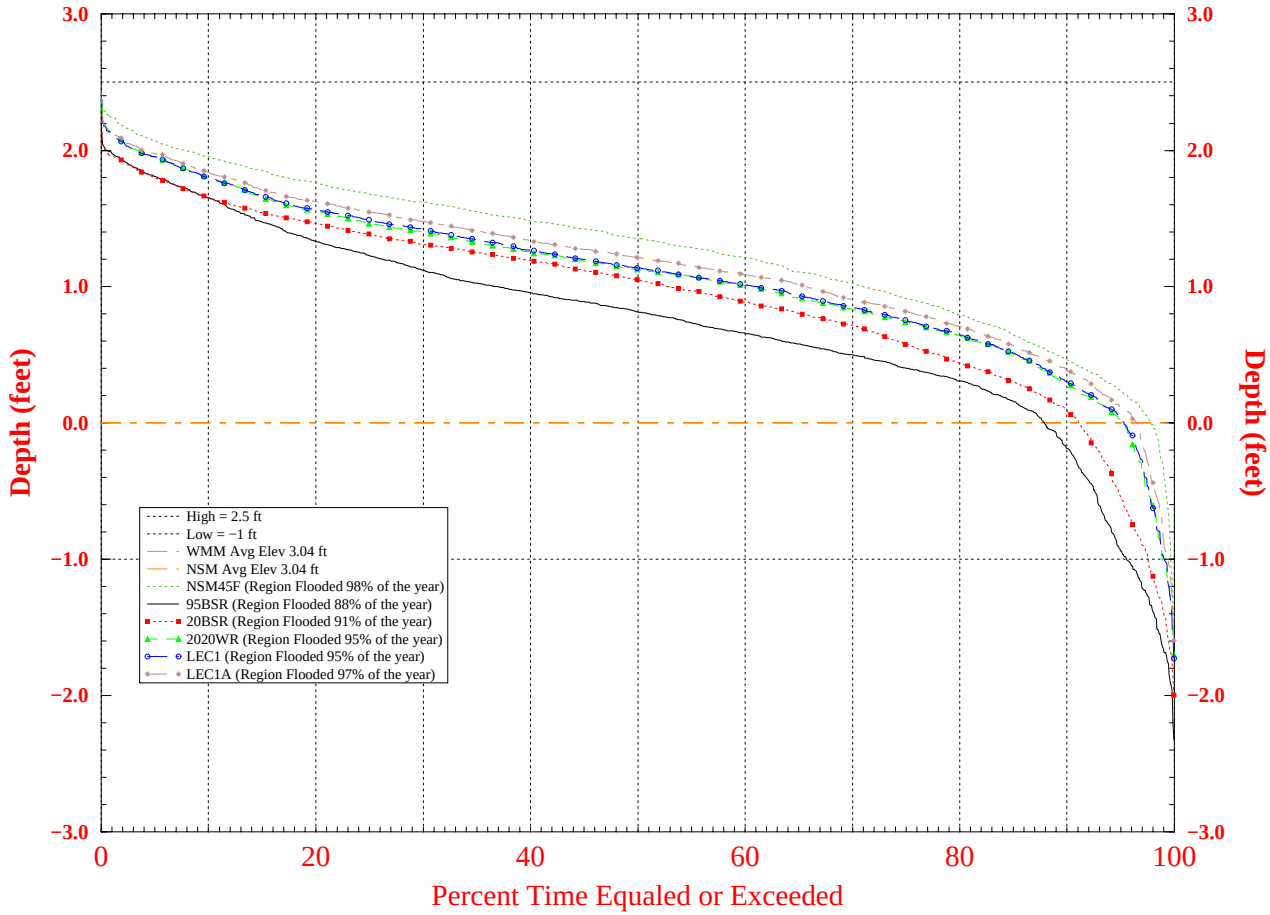


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

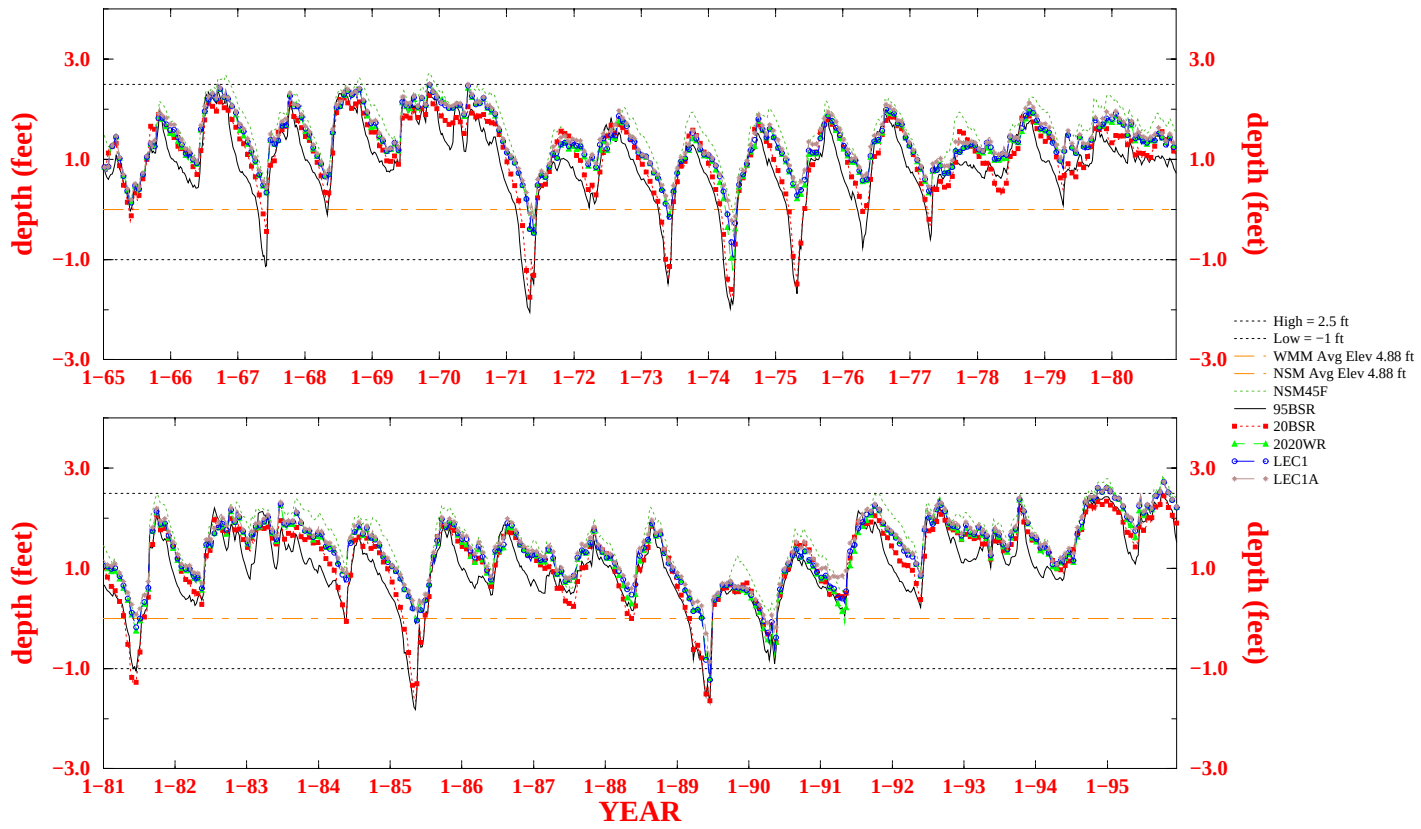


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

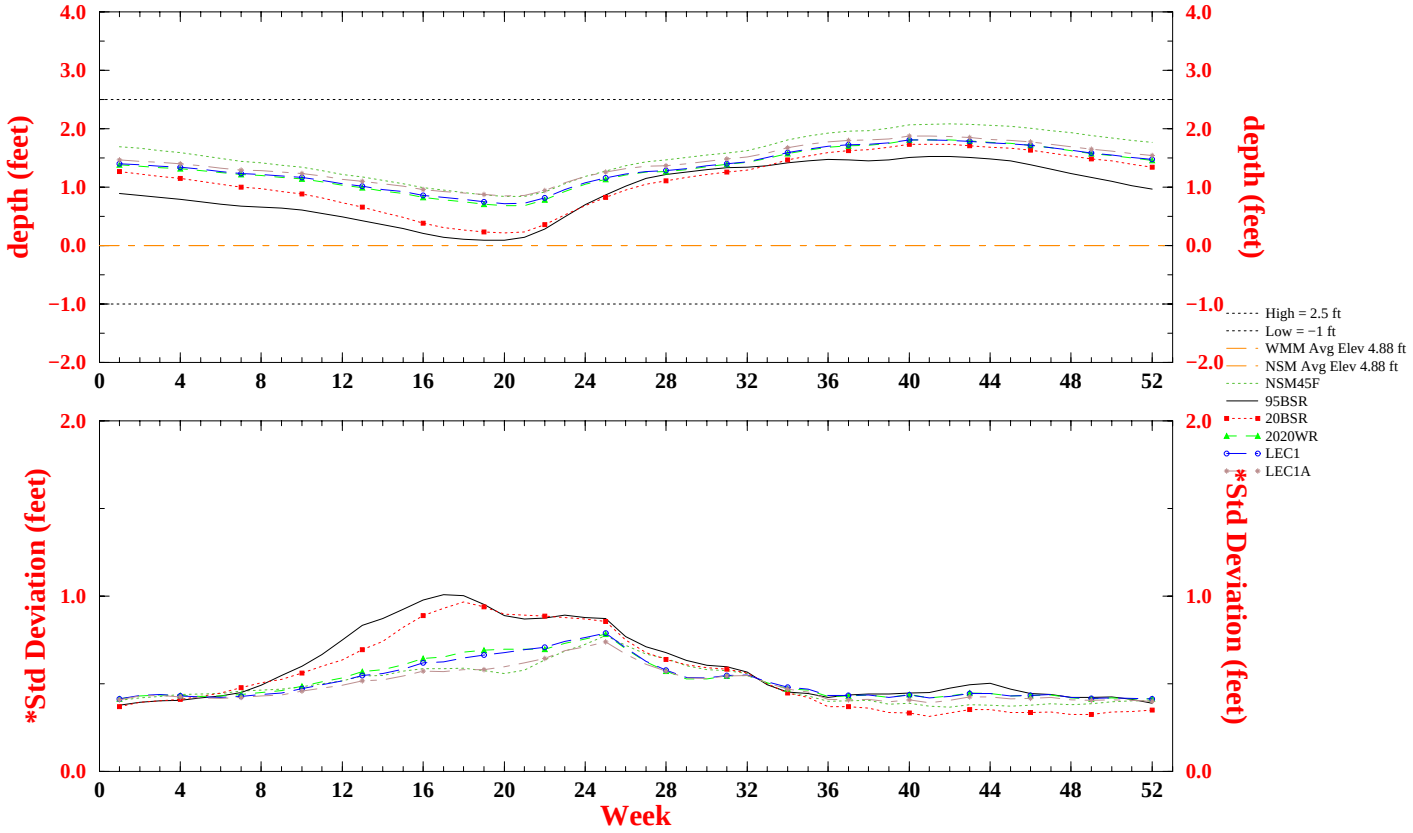
Indicator Region 10 (R16C18-19 R17C18-20 R18C19-20 R19C20-20)



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

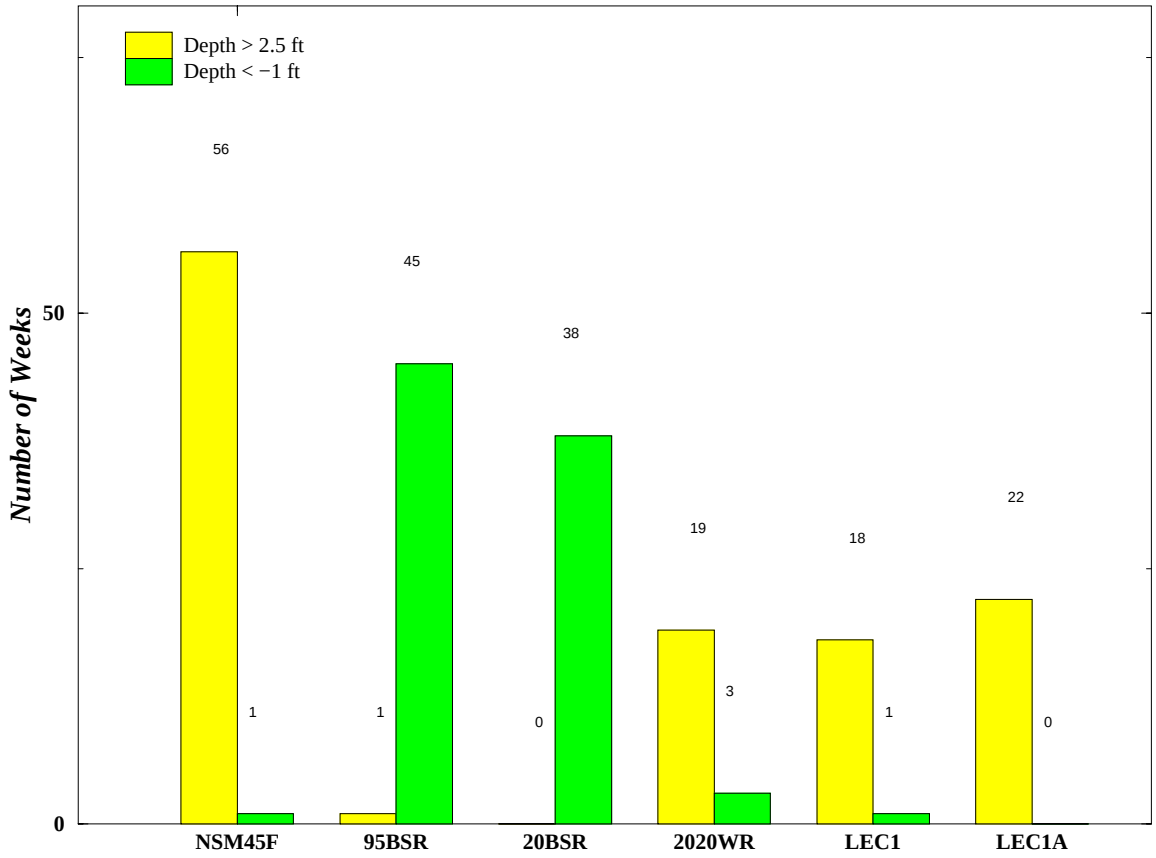
High/Low = 0 indicates criteria undefined for region

* 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)

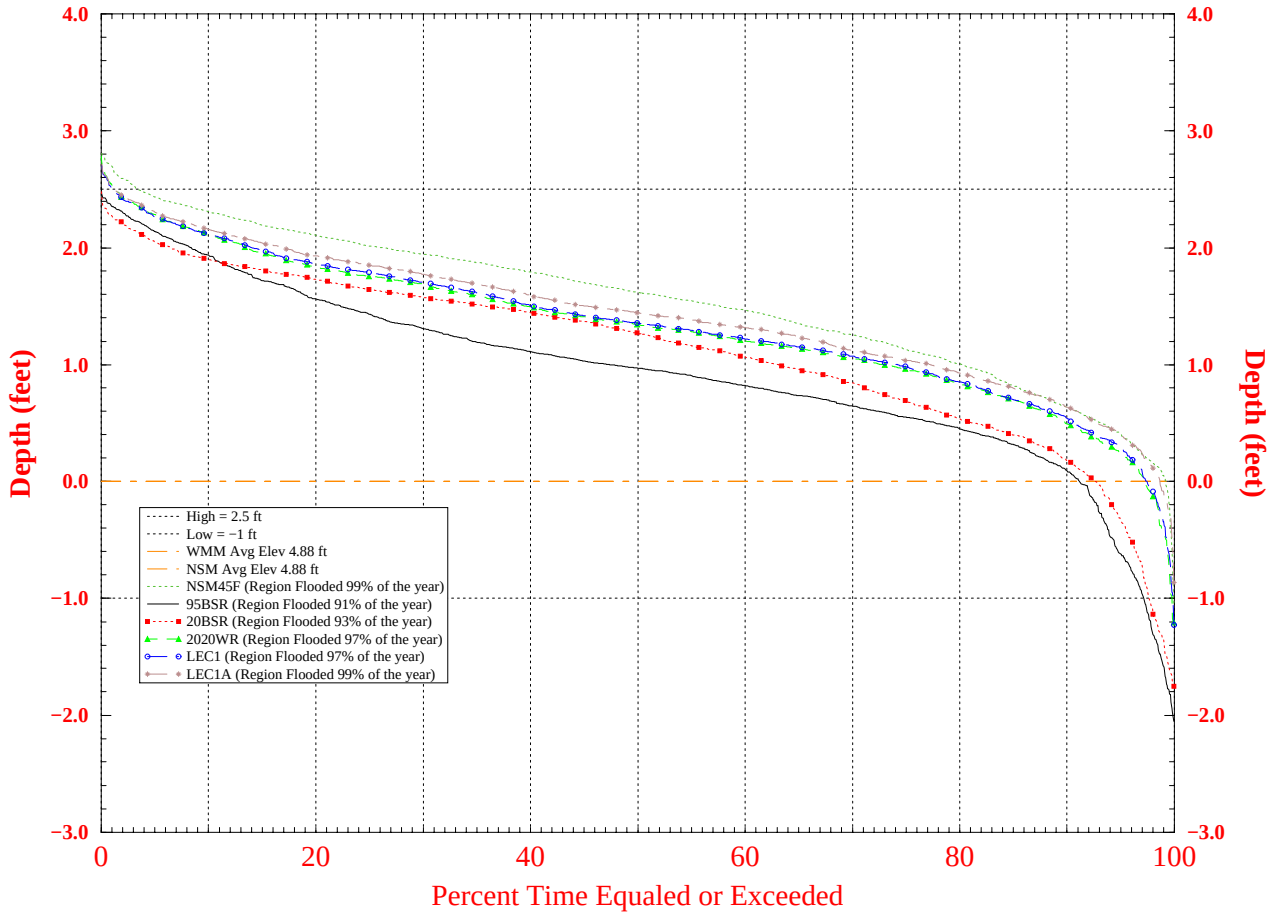


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

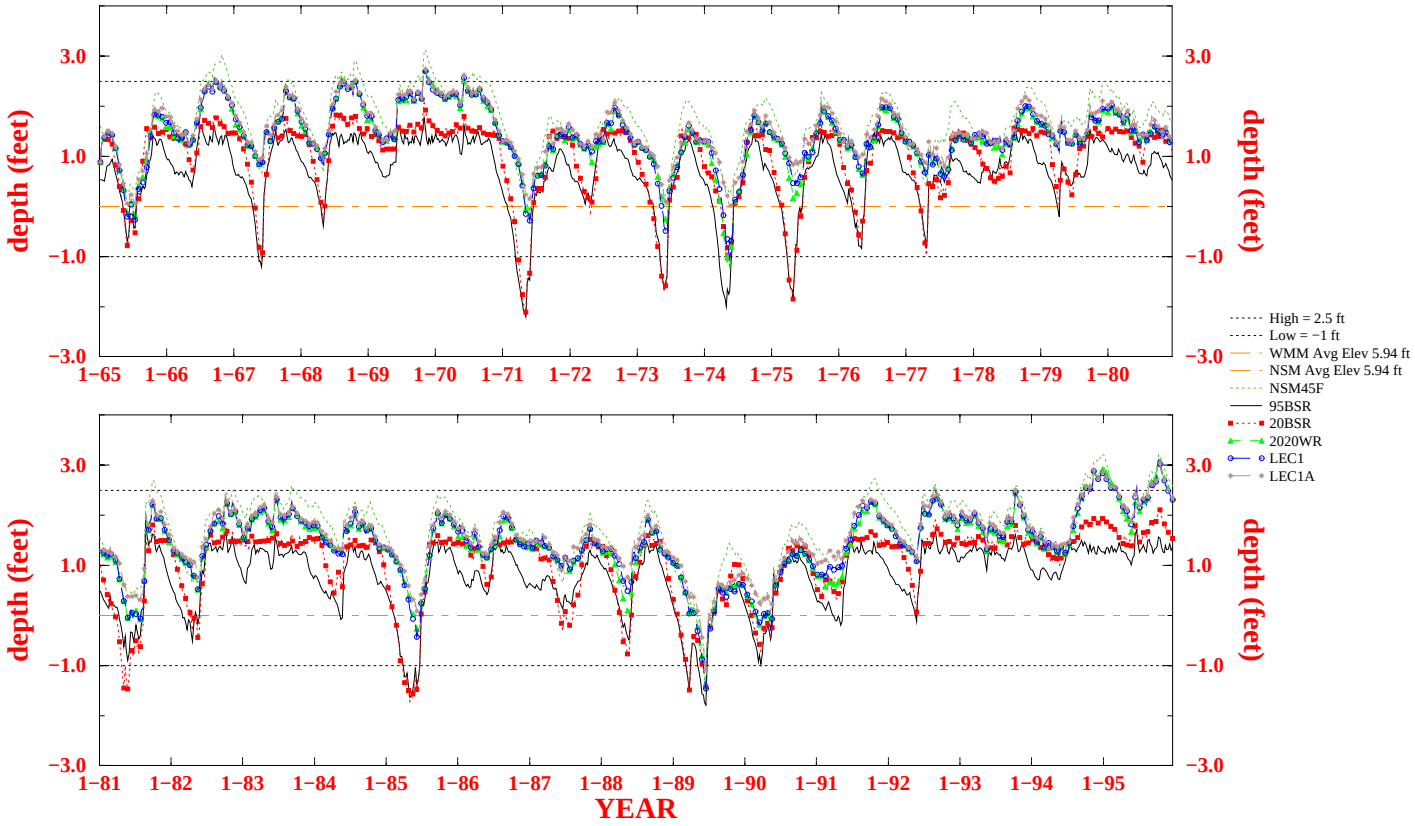


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

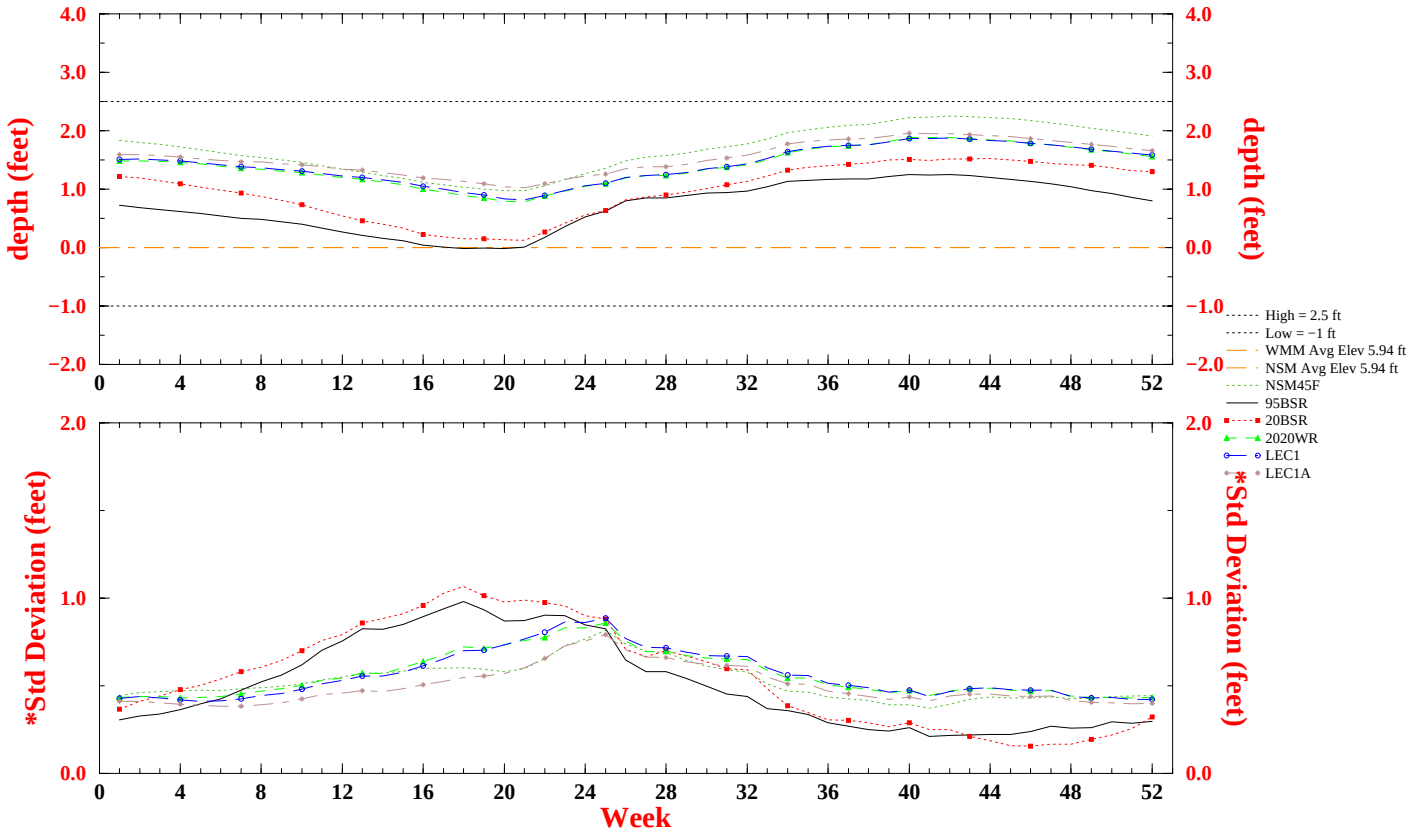
Indicator Region 11 (R19C22-23 R20C22-26 R21C22-26)



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

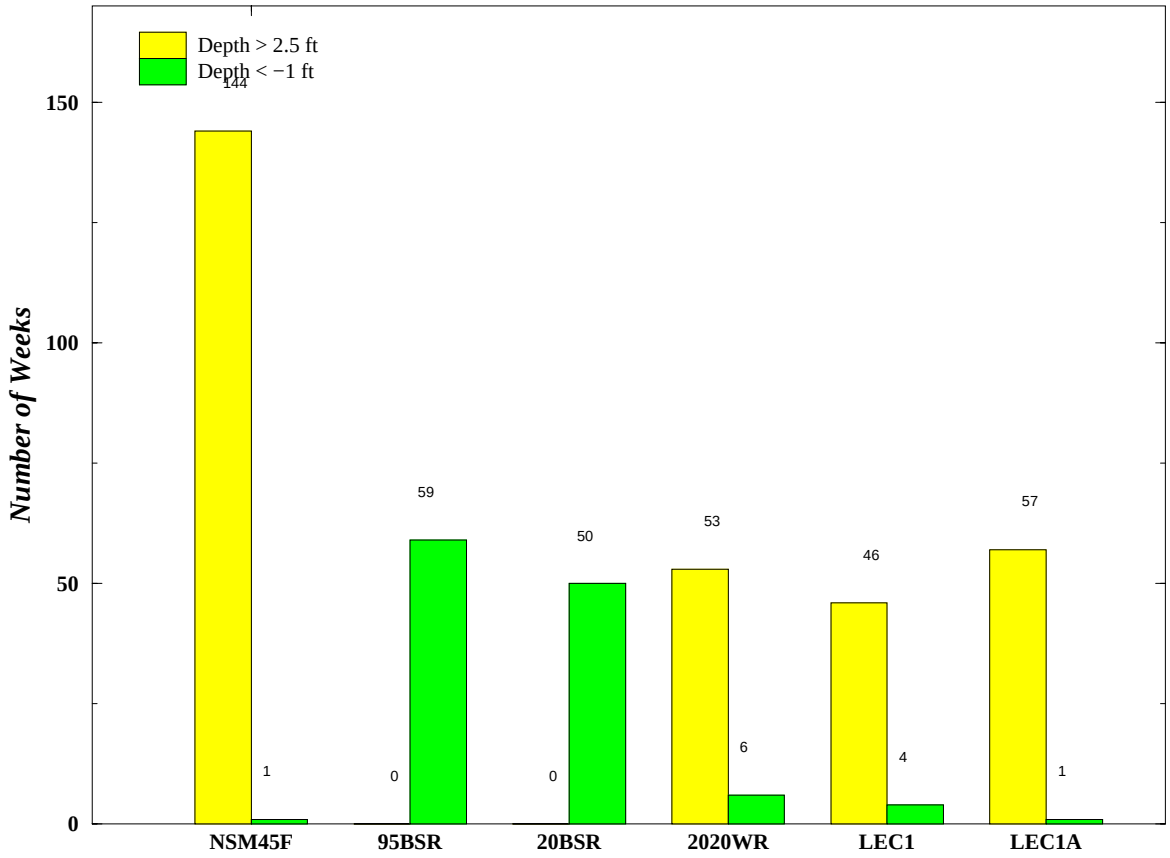
High/Low = 0 indicates criteria undefined for region

* 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)

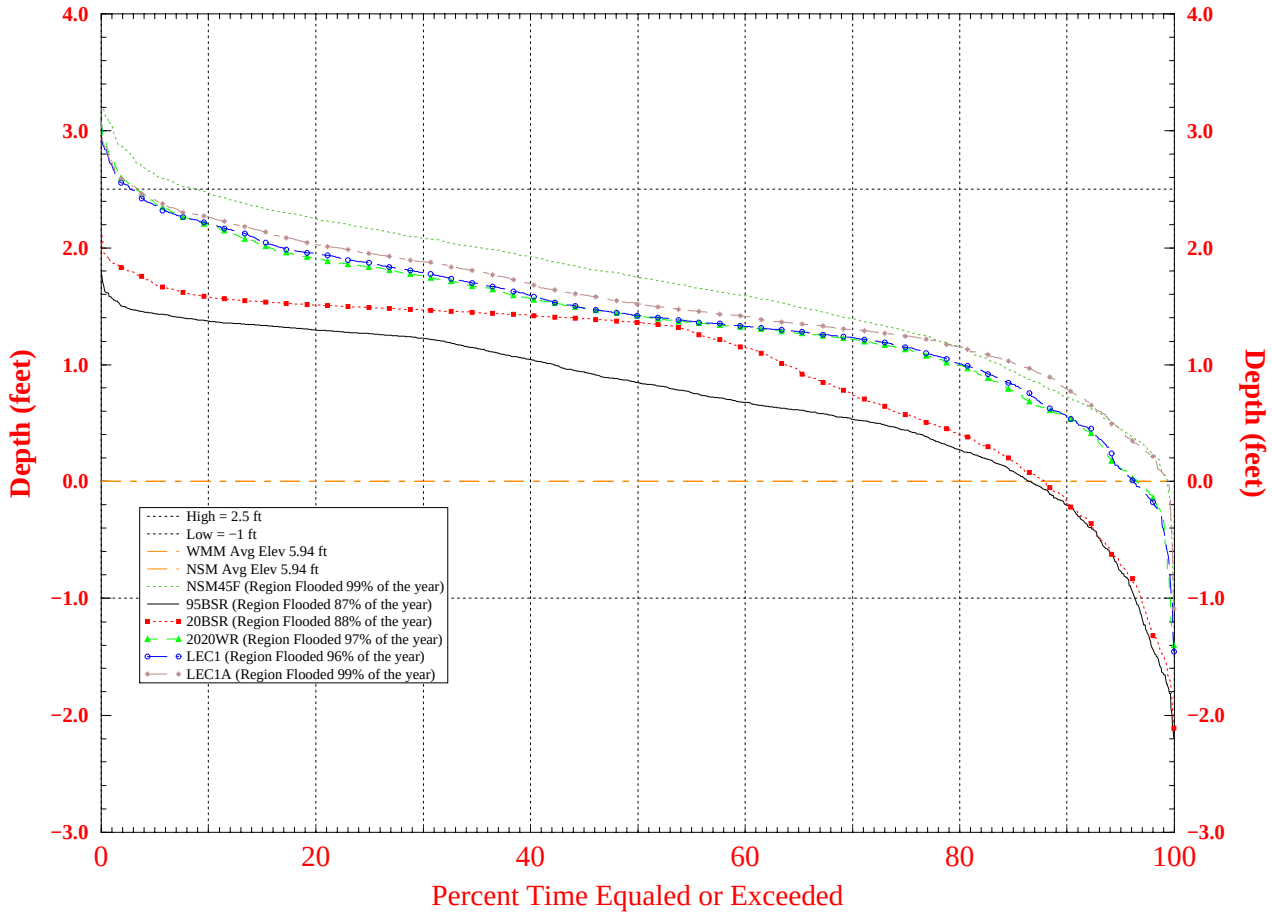


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

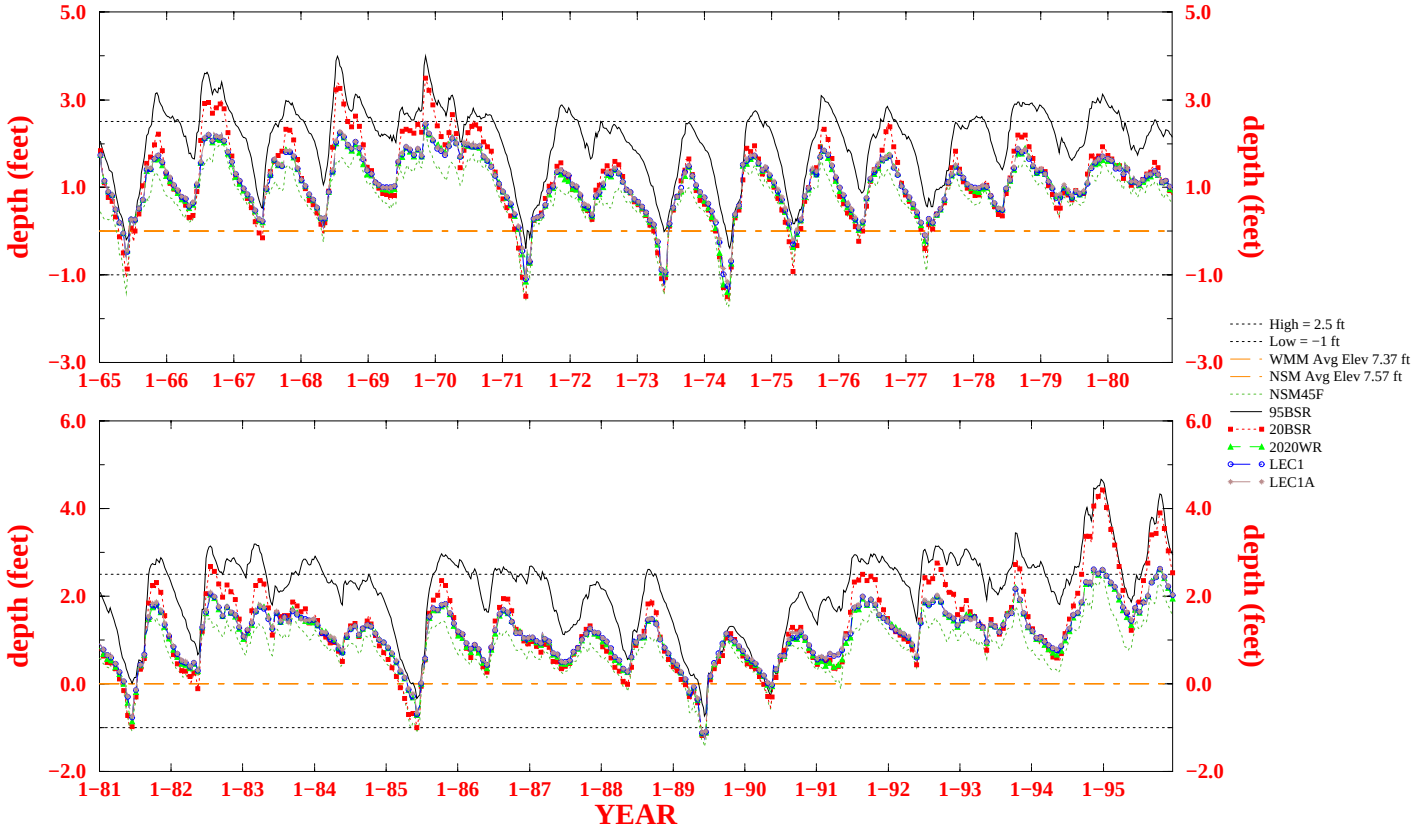


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

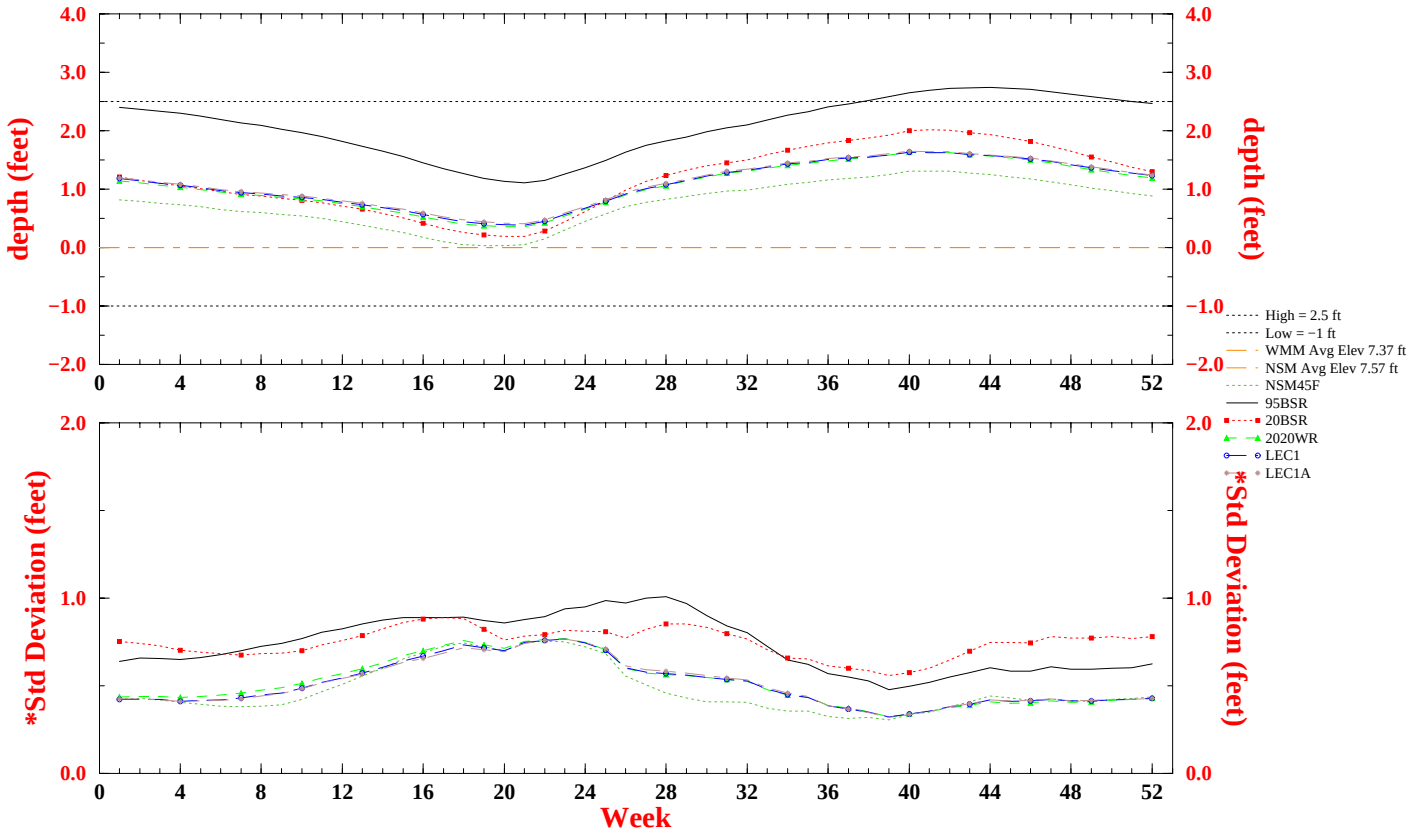
Indicator Region 14 (R23C17-20 R24C17-20 R25C17-21)



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

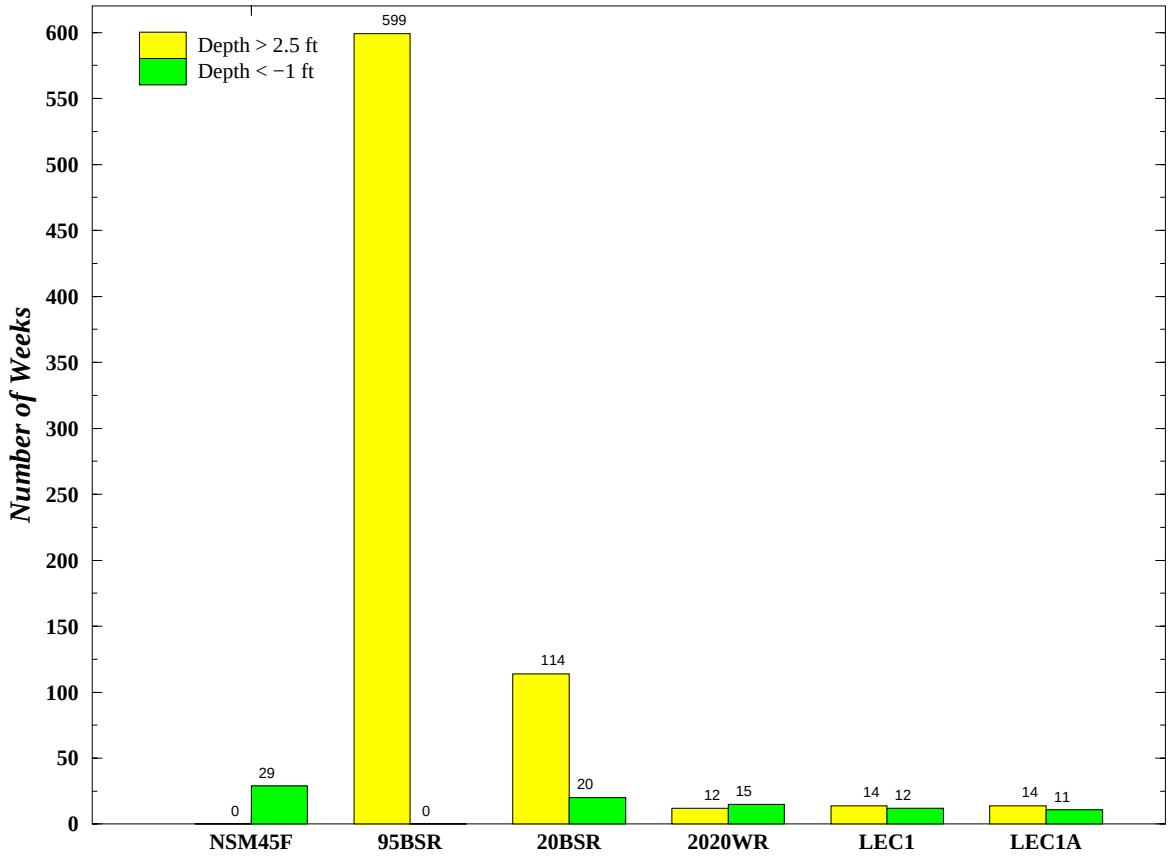
High/Low = 0 indicates criteria undefined for region

* 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)

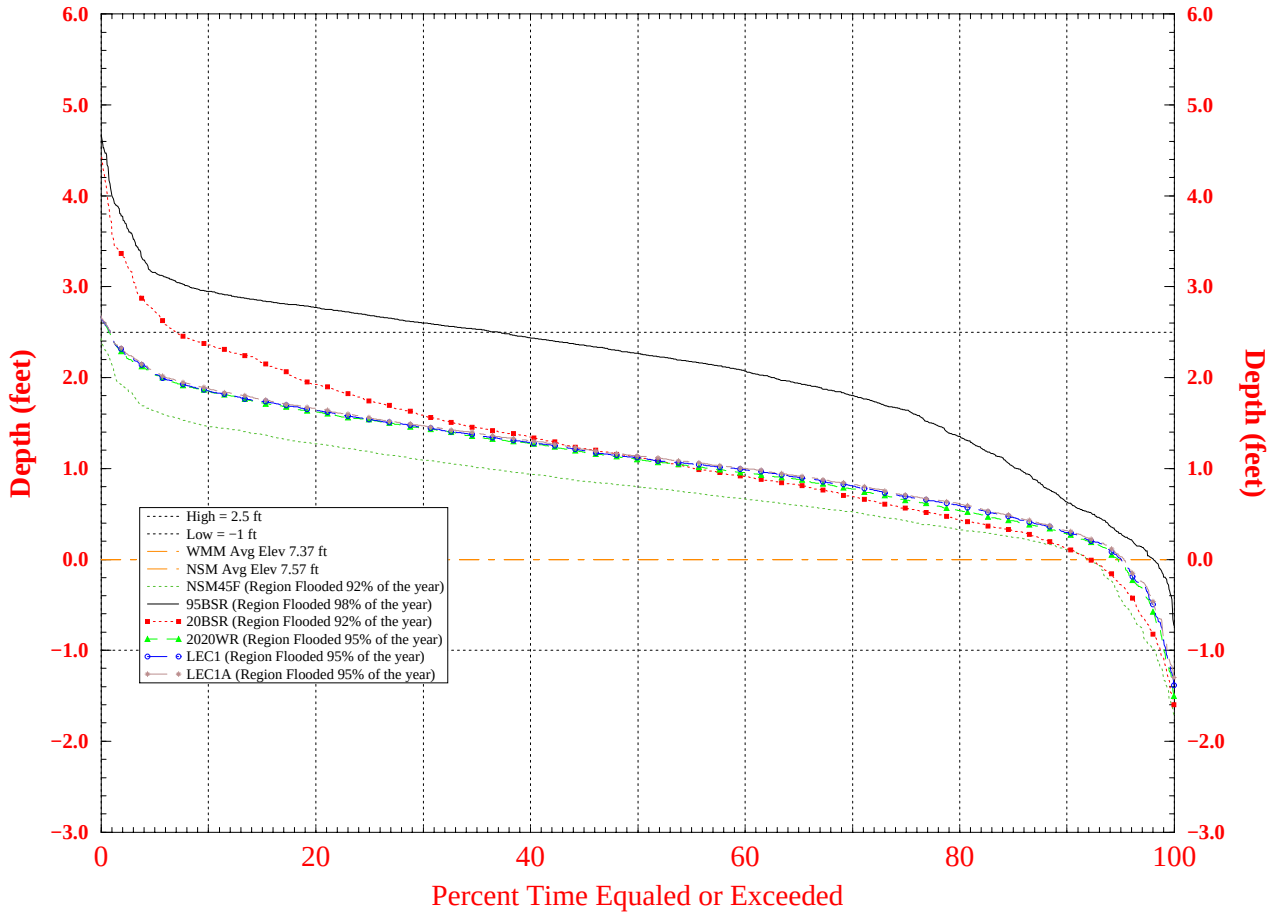


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

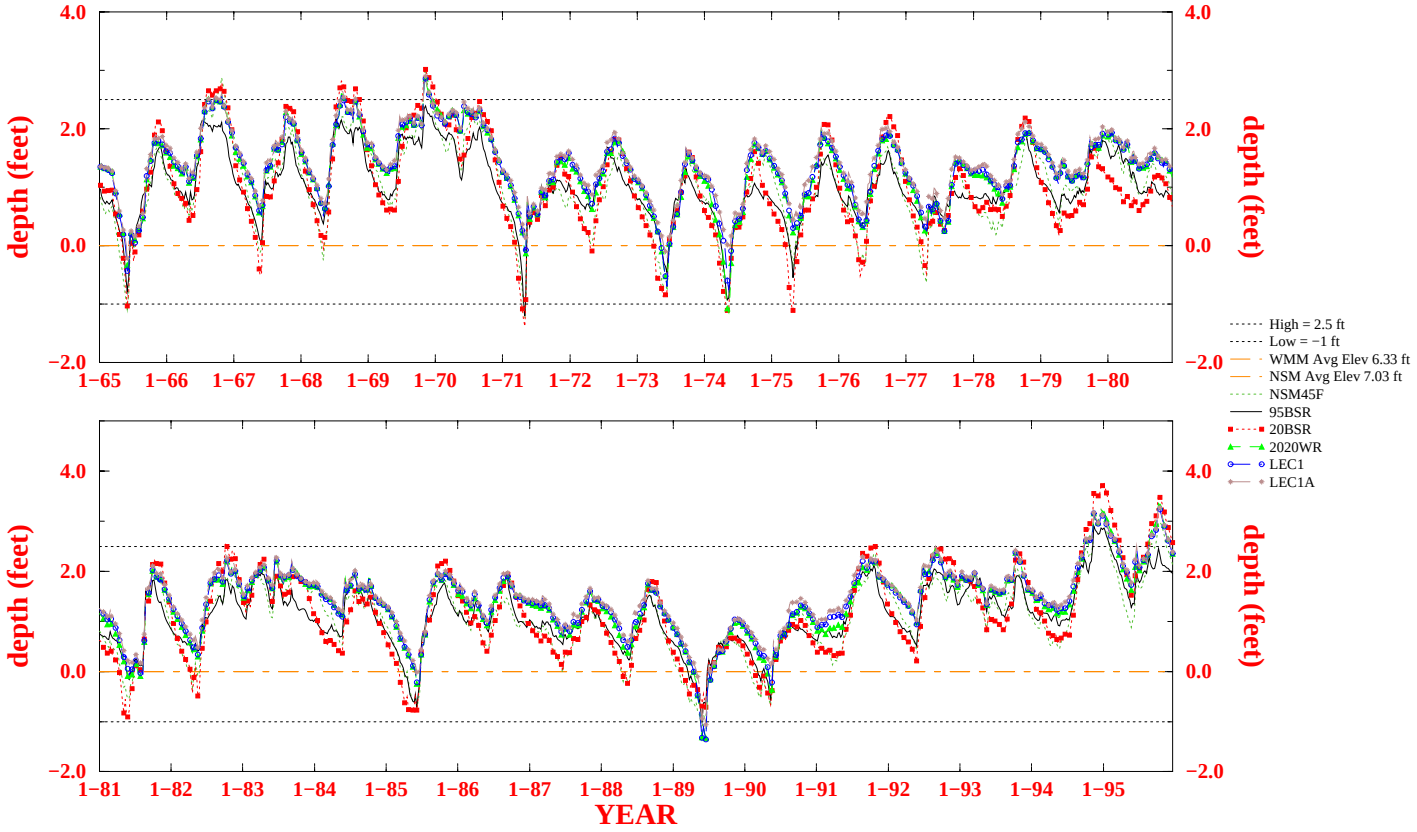


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

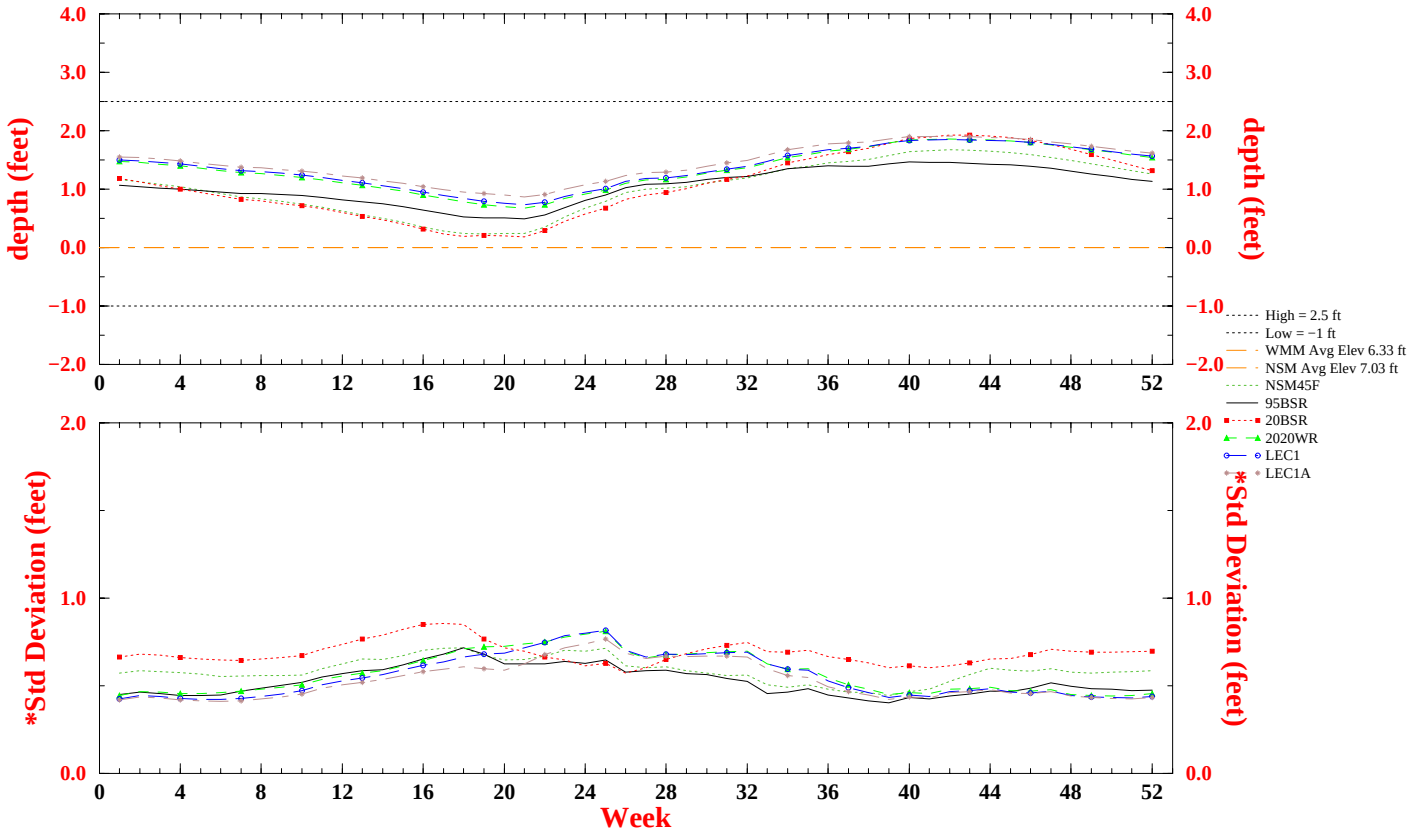
Indicator Region 15 (R23C23-23 R24C23-24 R25C24-25 R26C25-25 R27C25-25)



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

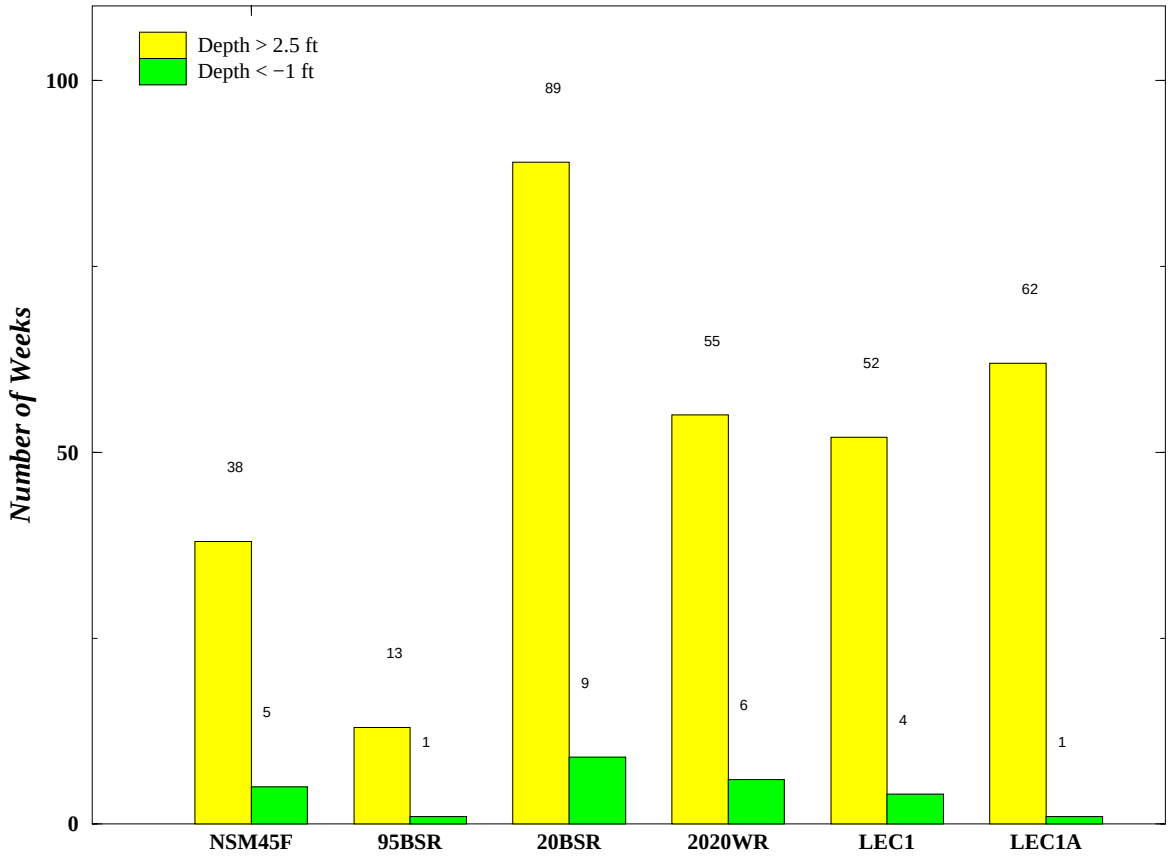
High/Low = 0 indicates criteria undefined for region

* 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)

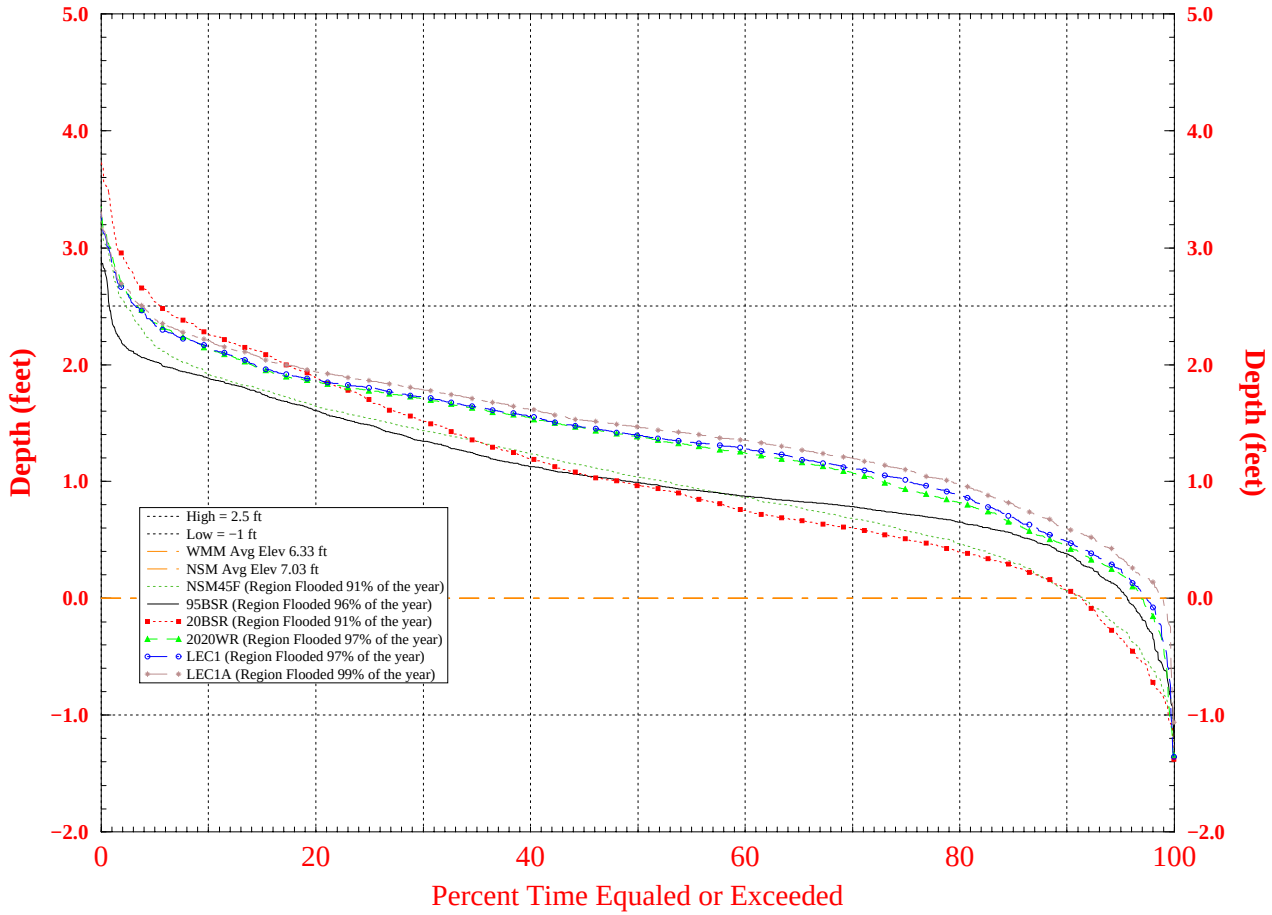


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

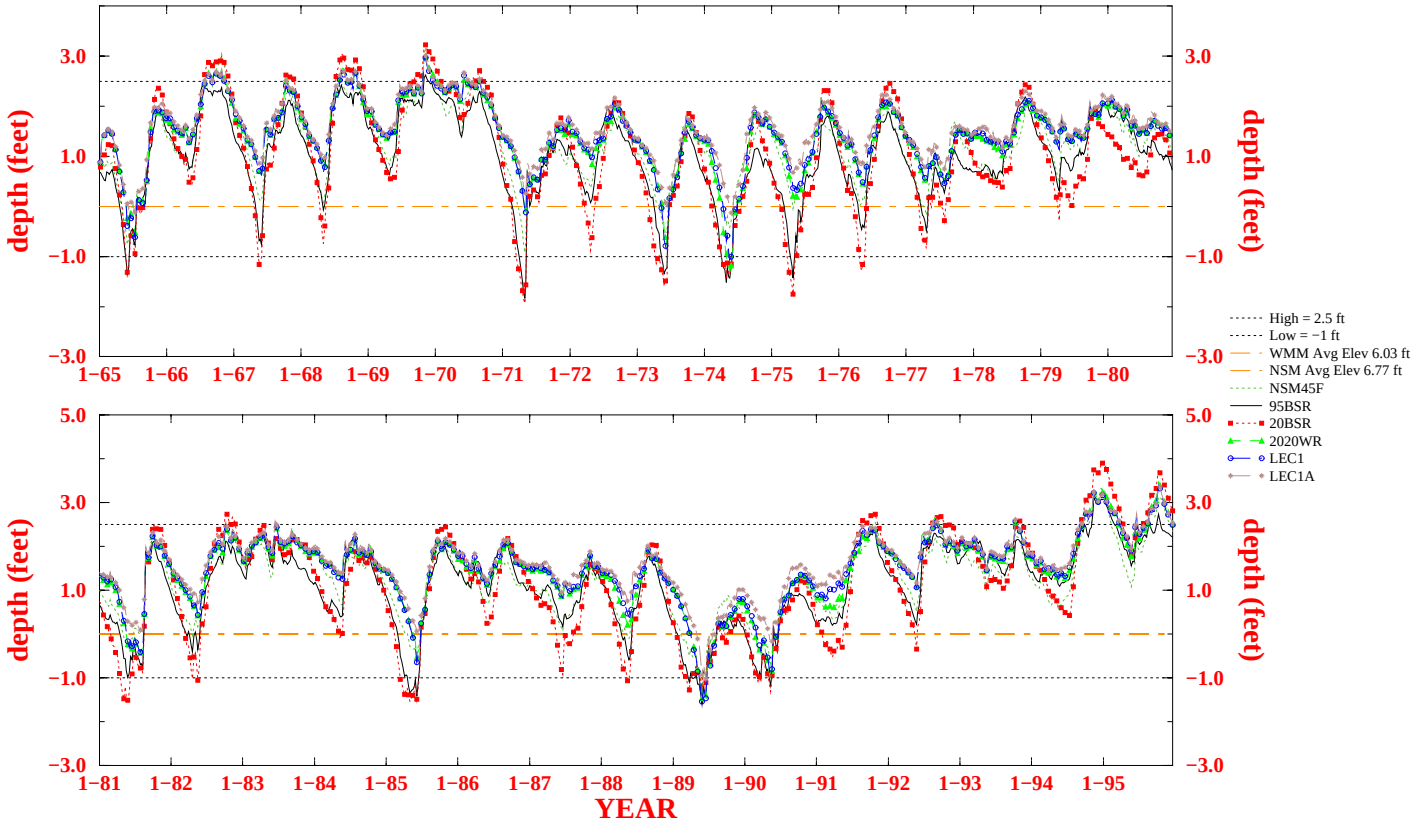


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

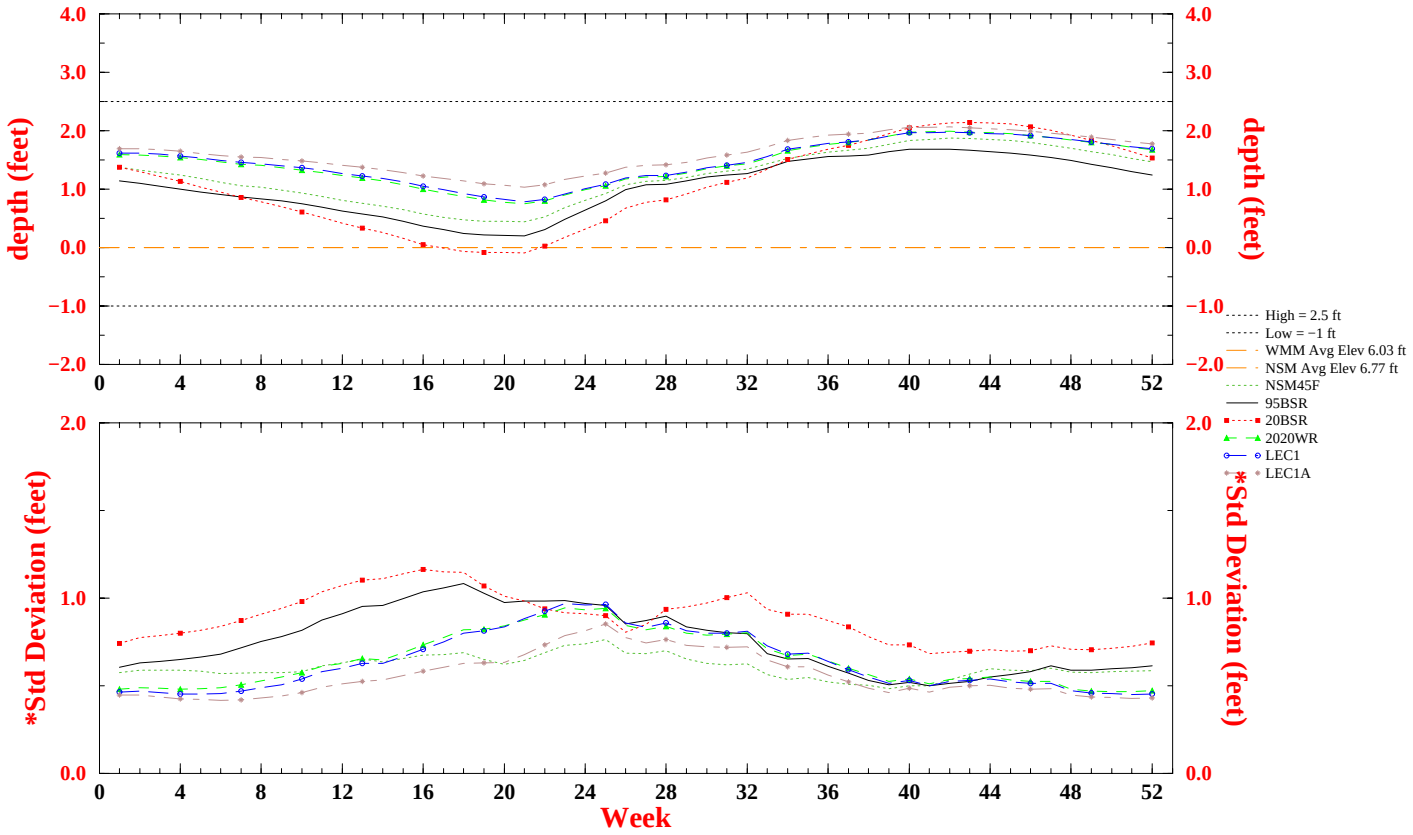
Indicator Region 16 (R23C24-26 R24C25-26 R25C26-26 R26C26-26)



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

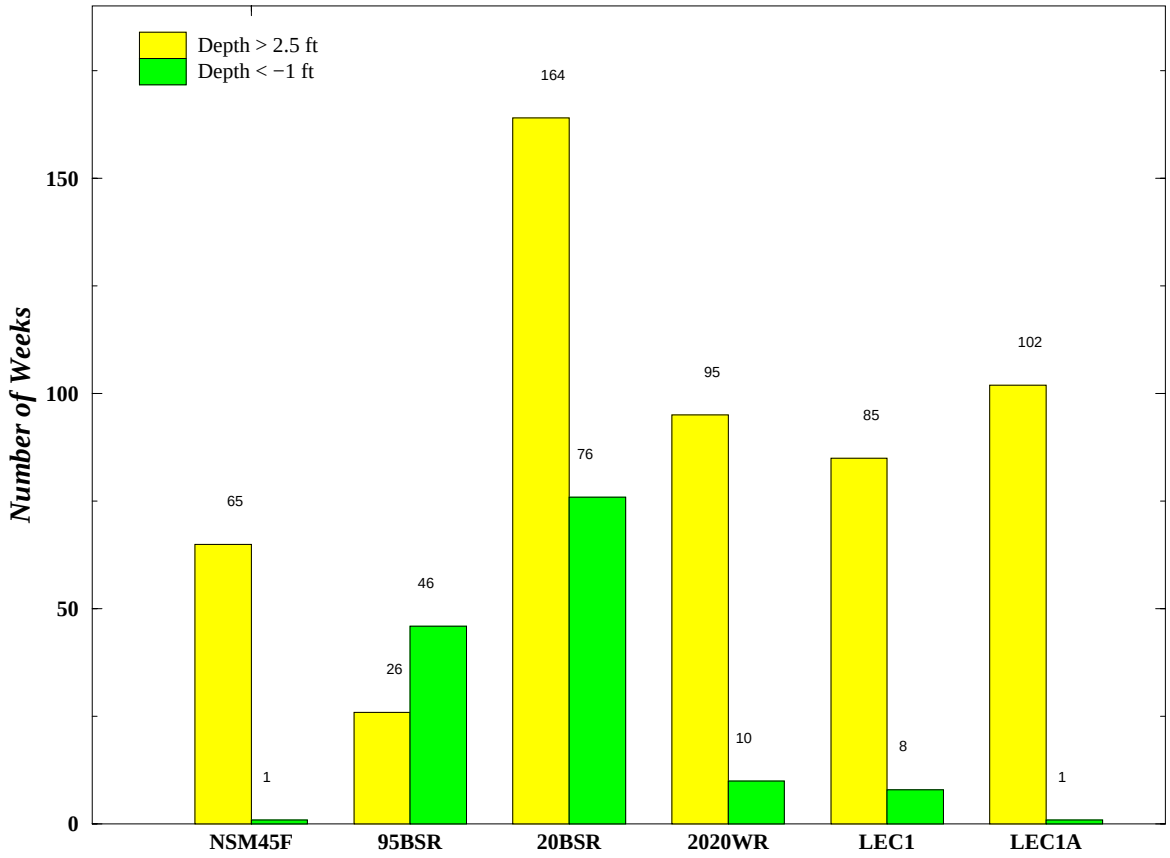
High/Low = 0 indicates criteria undefined for region

* 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)

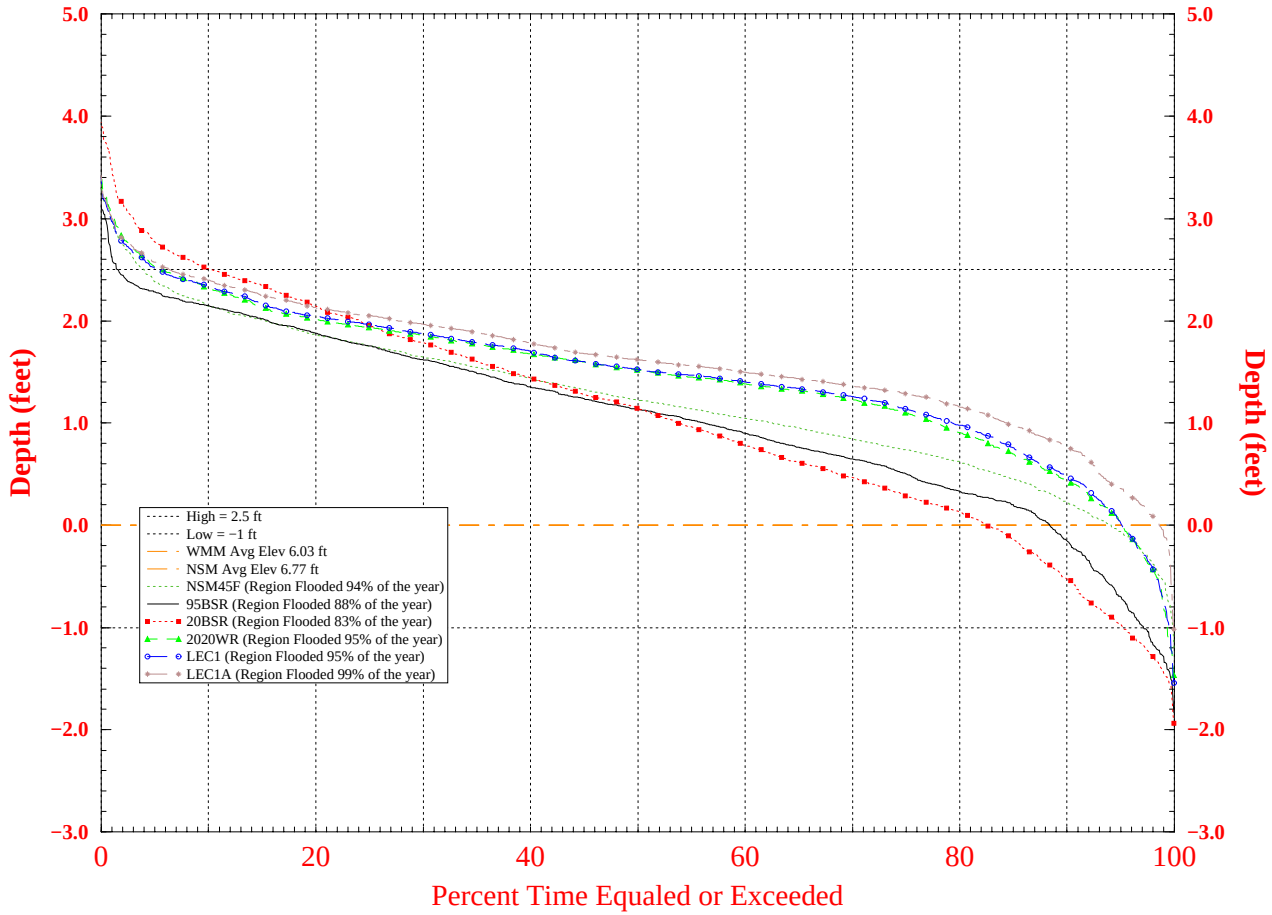


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

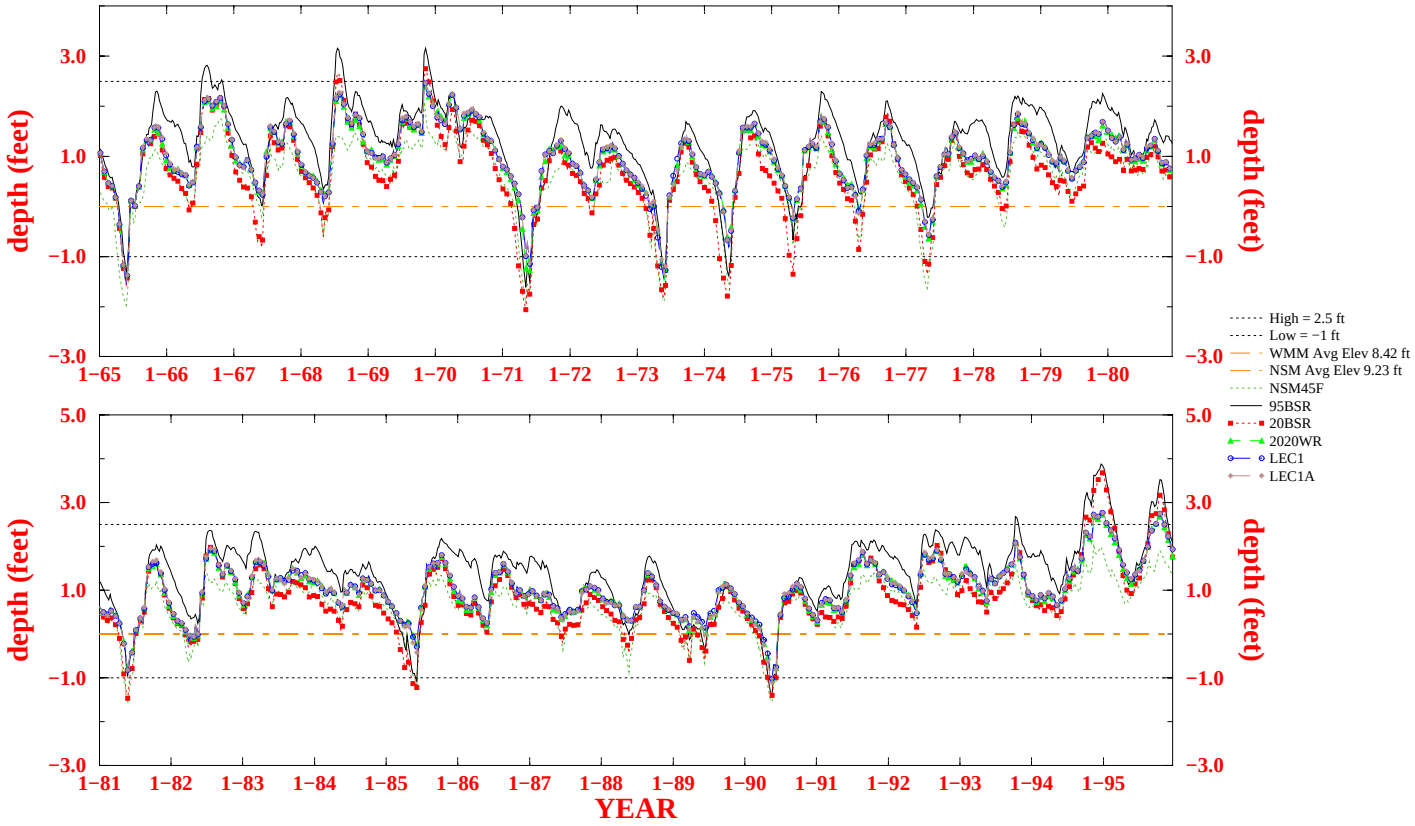


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

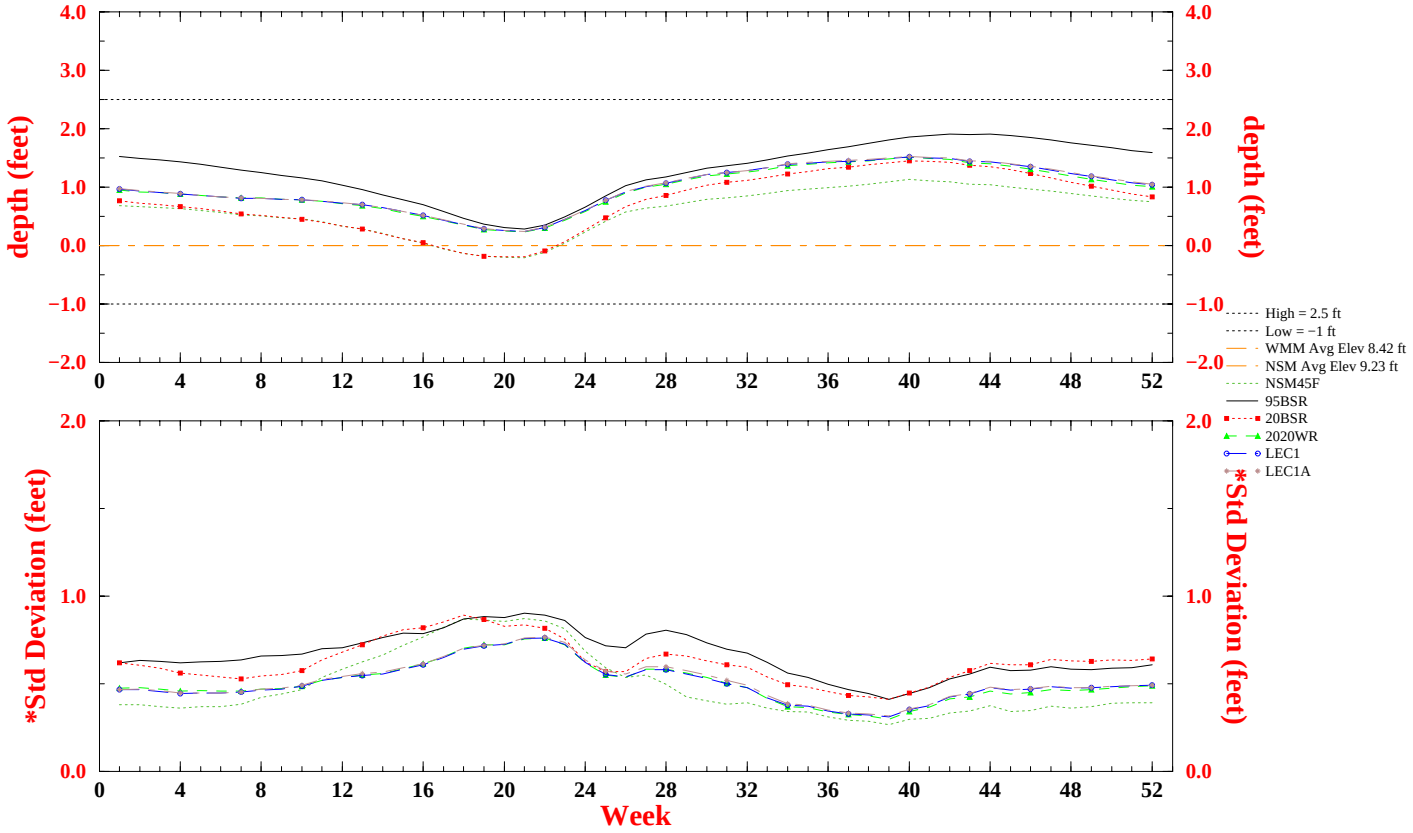
Indicator Region 17 (R28C17-21 R29C17-22 R30C18-22 R31C18-22)



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

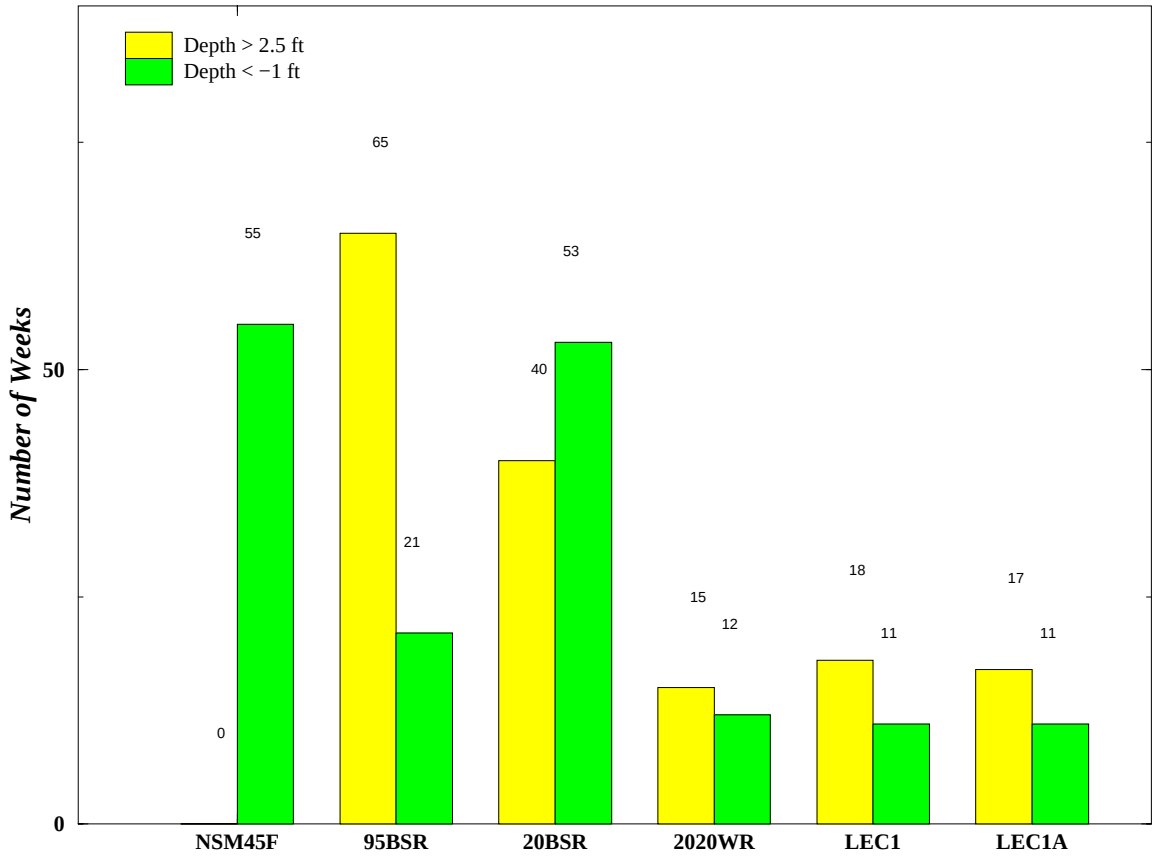
High/Low = 0 indicates criteria undefined for region

* 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)

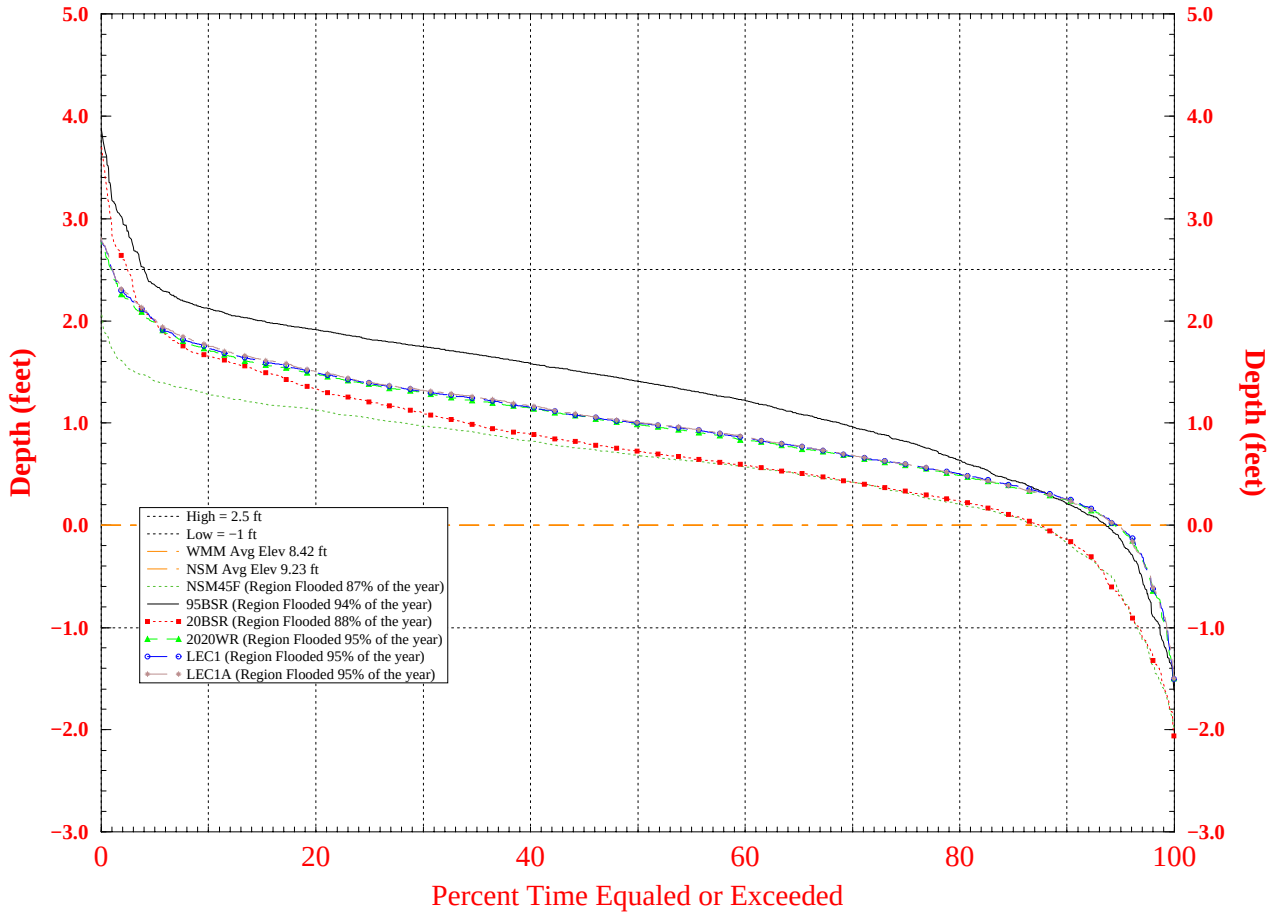


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

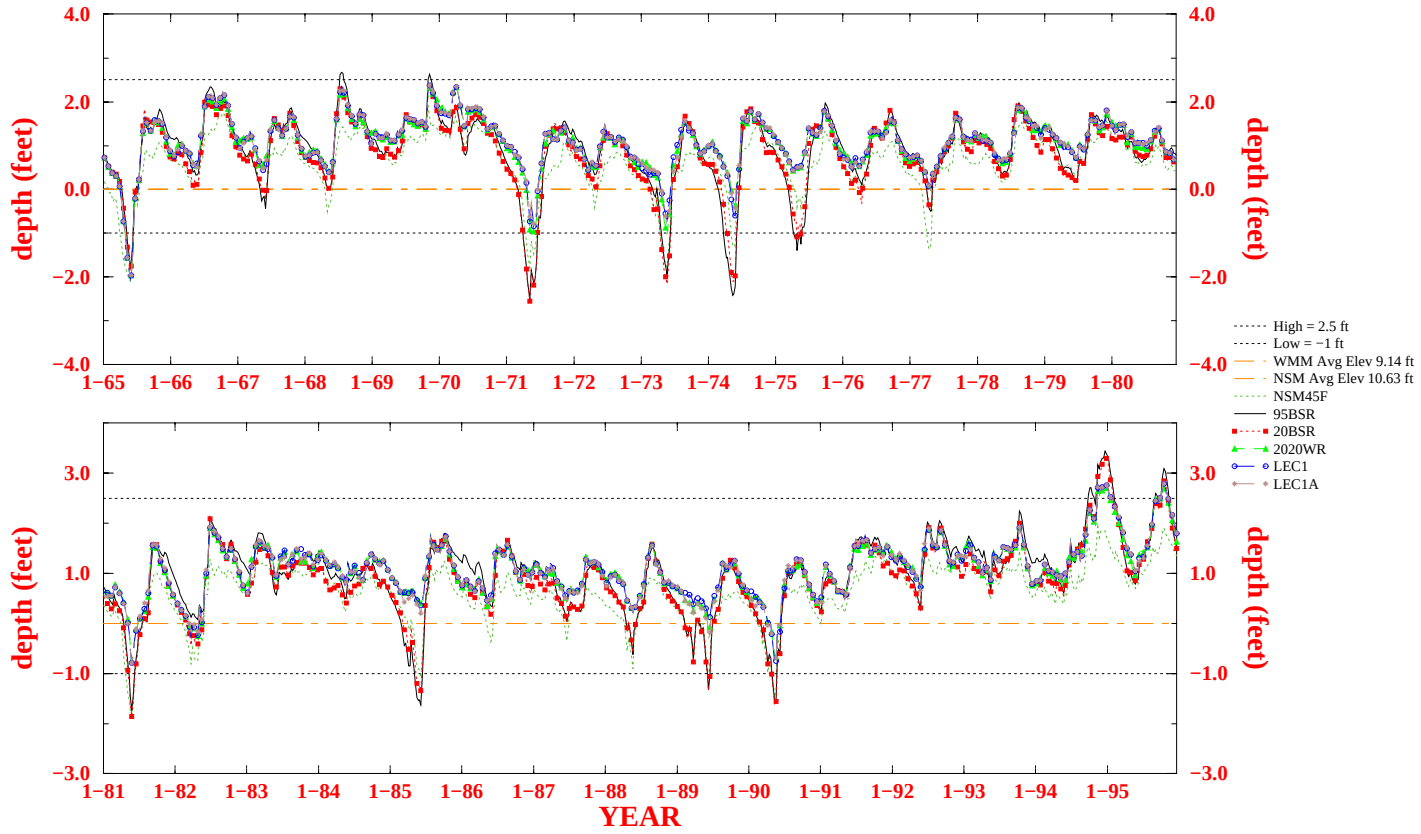


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

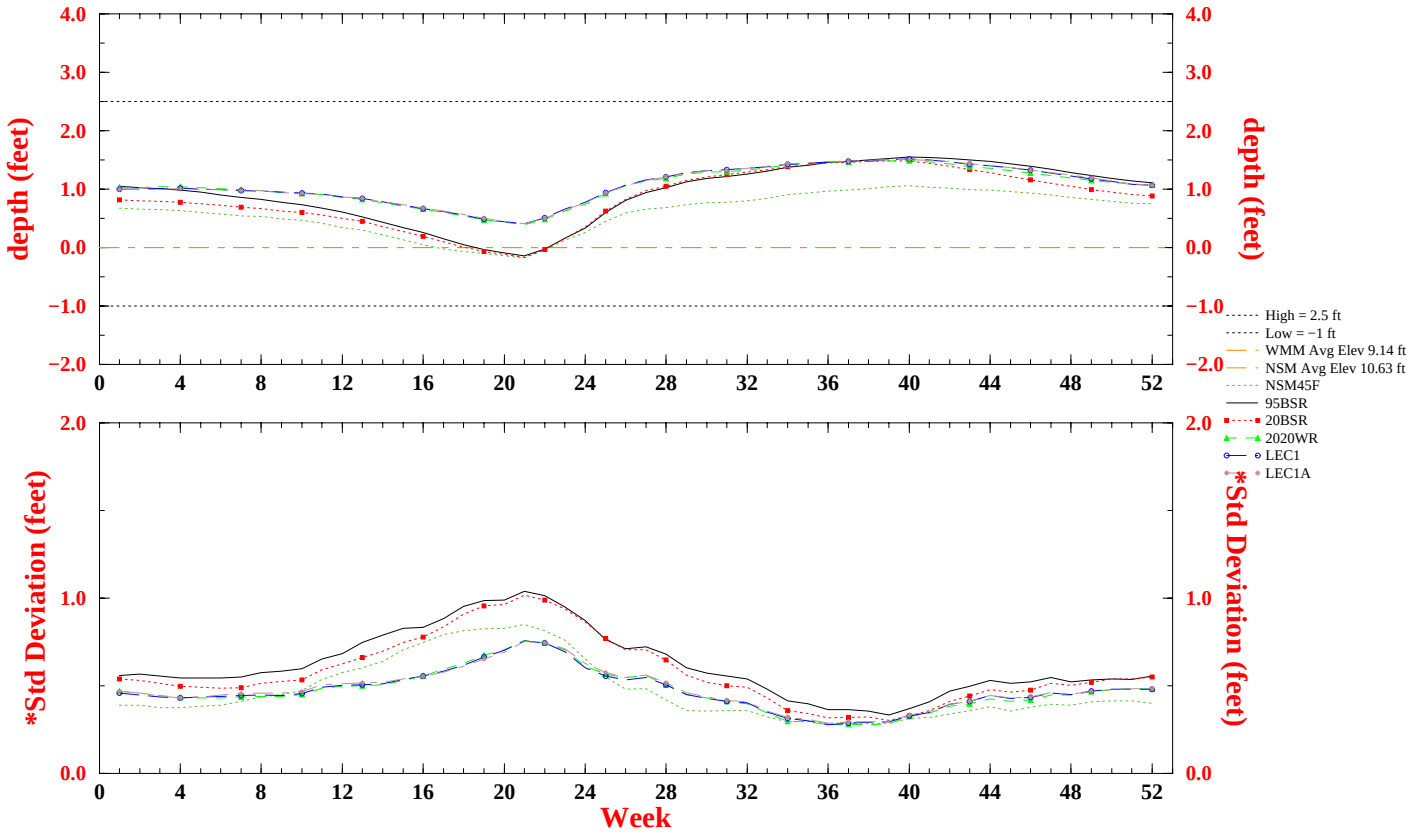
Indicator Region 18 (R33C18-21 R34C18-21)



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

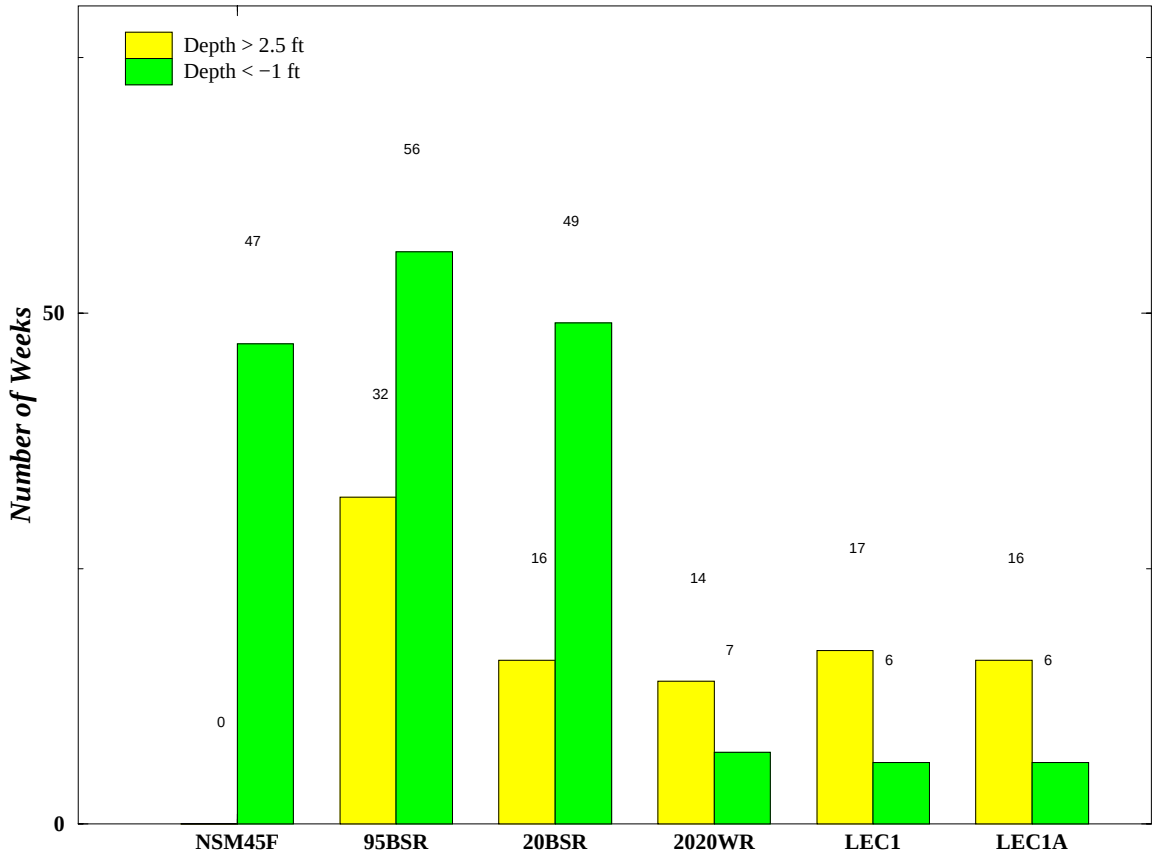
High/Low = 0 indicates criteria undefined for region

* 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)

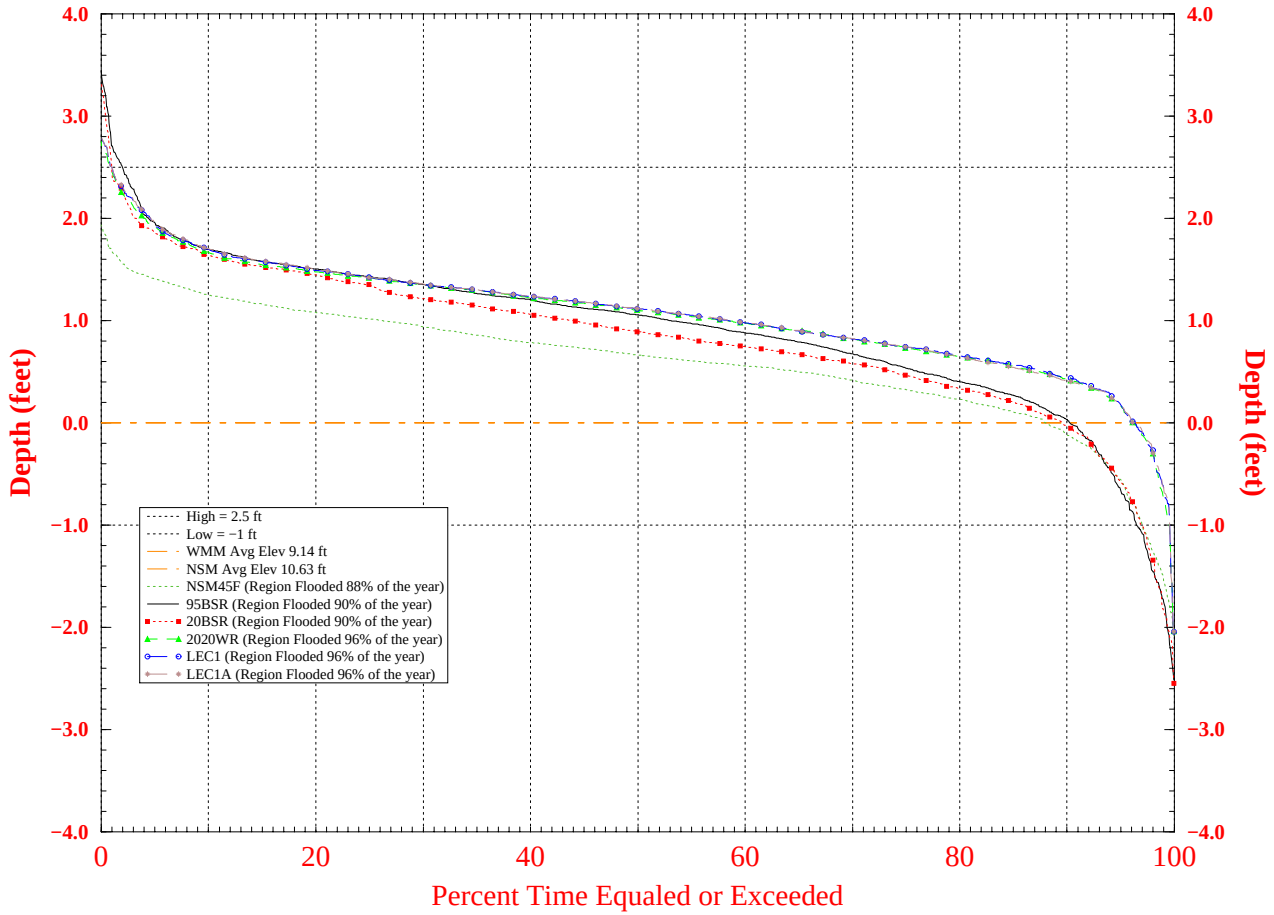


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

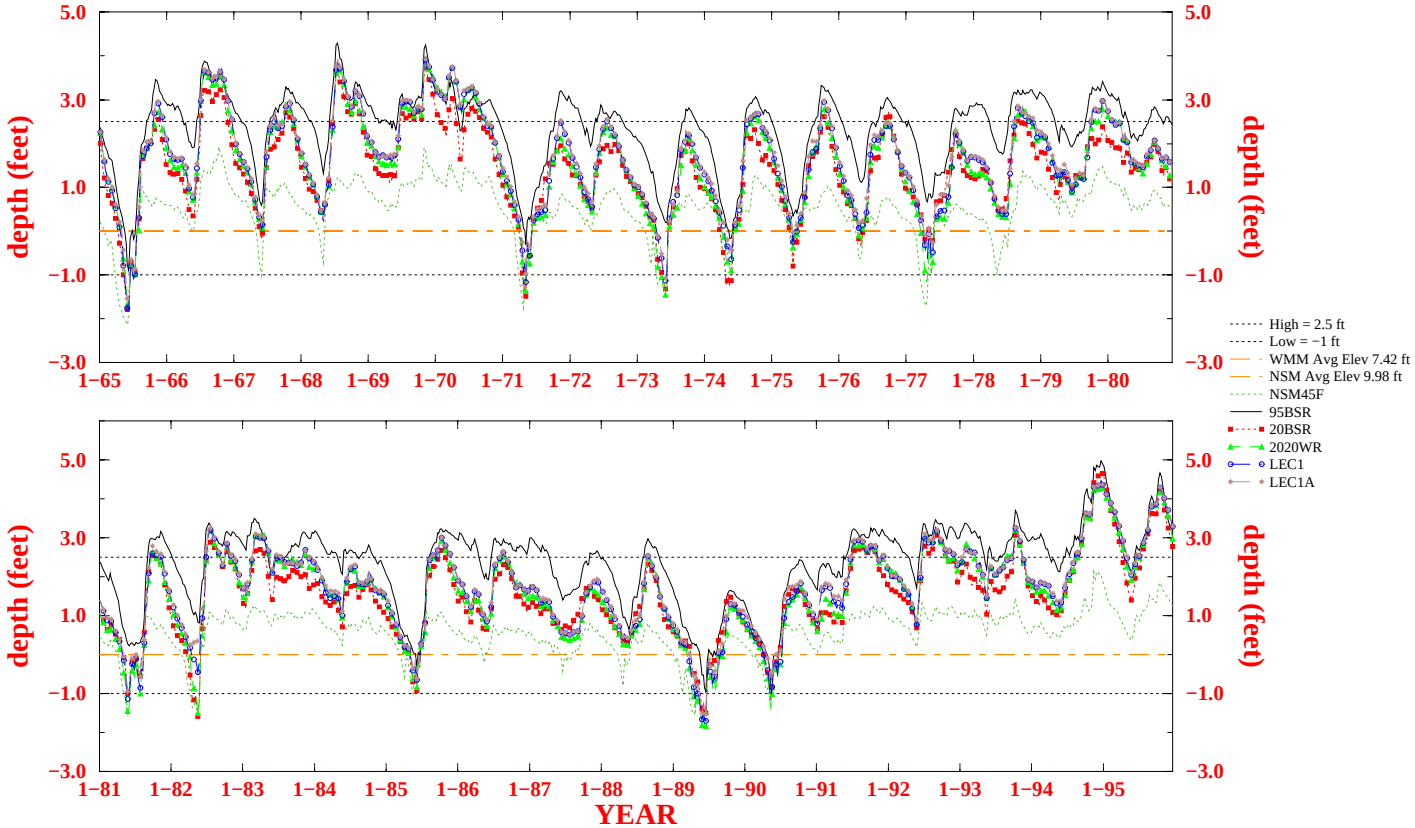


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

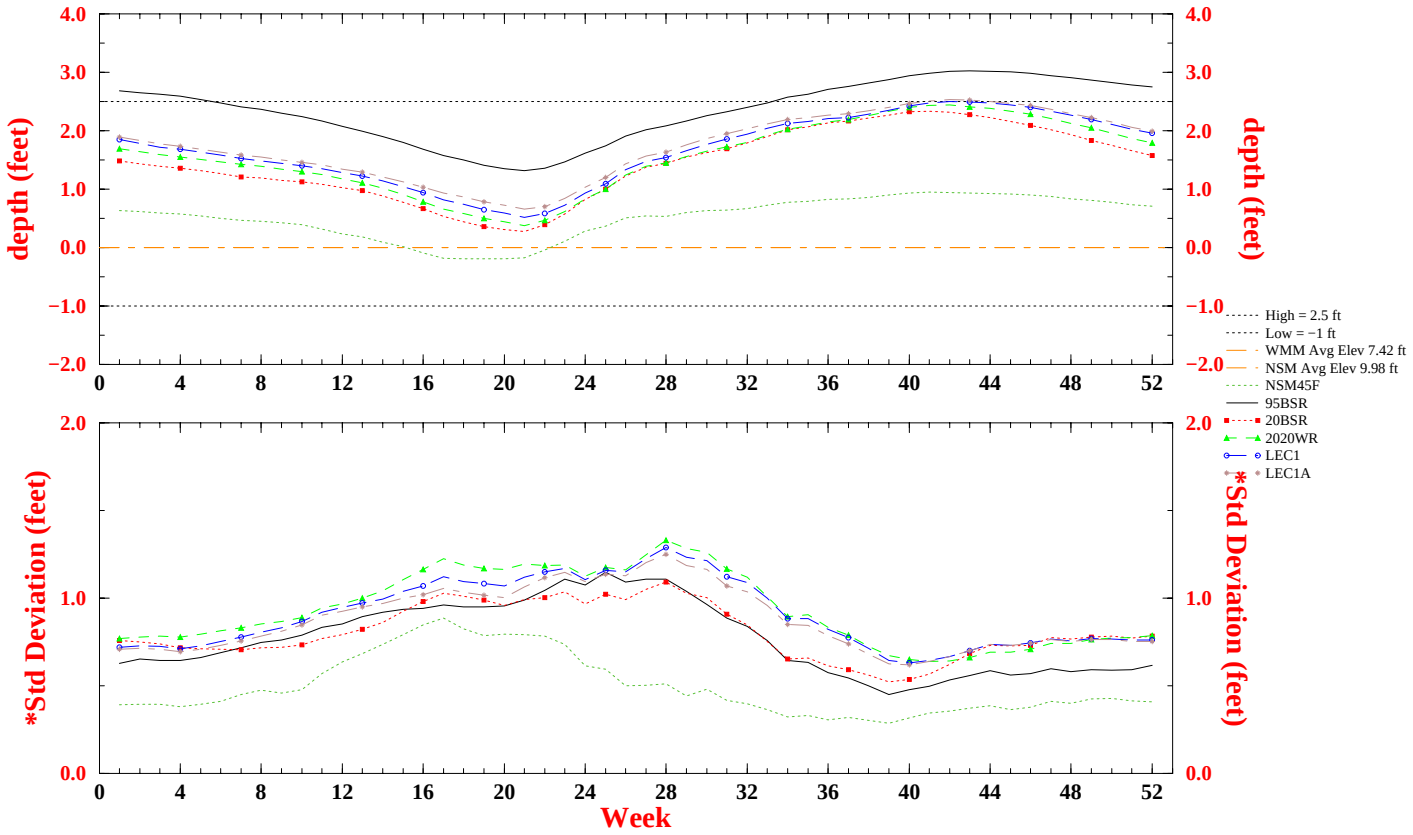
Indicator Region 19 (R33C25-27 R34C25-27)



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

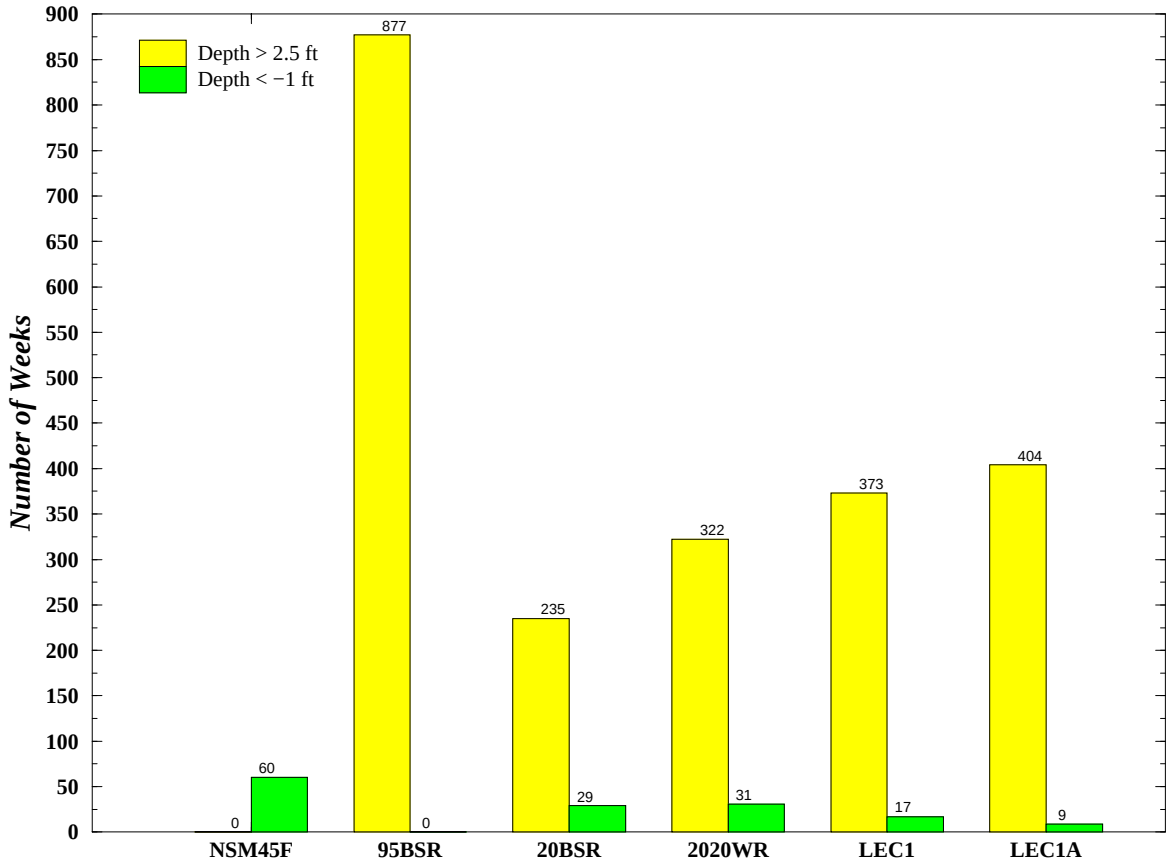
High/Low = 0 indicates criteria undefined for region

* 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)

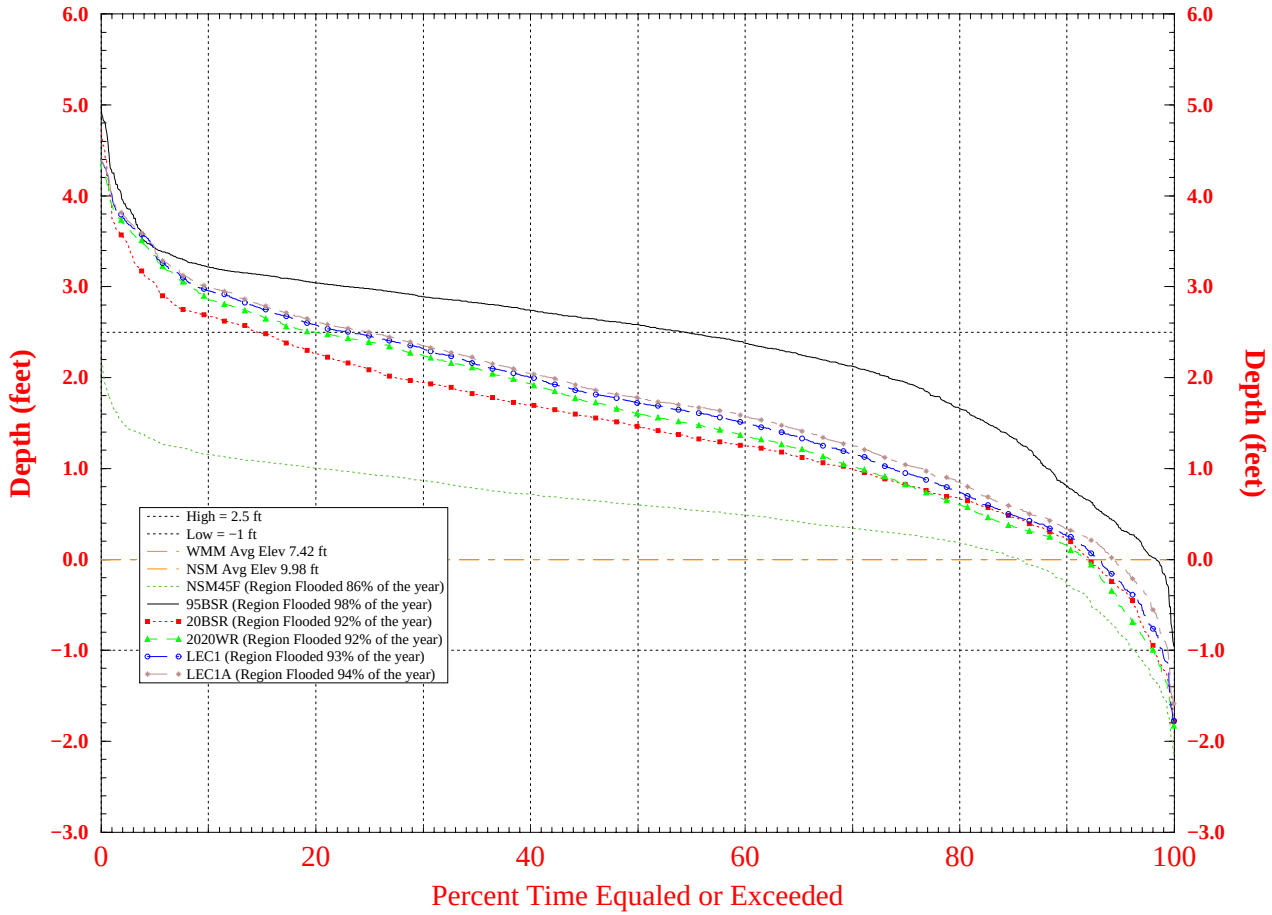


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

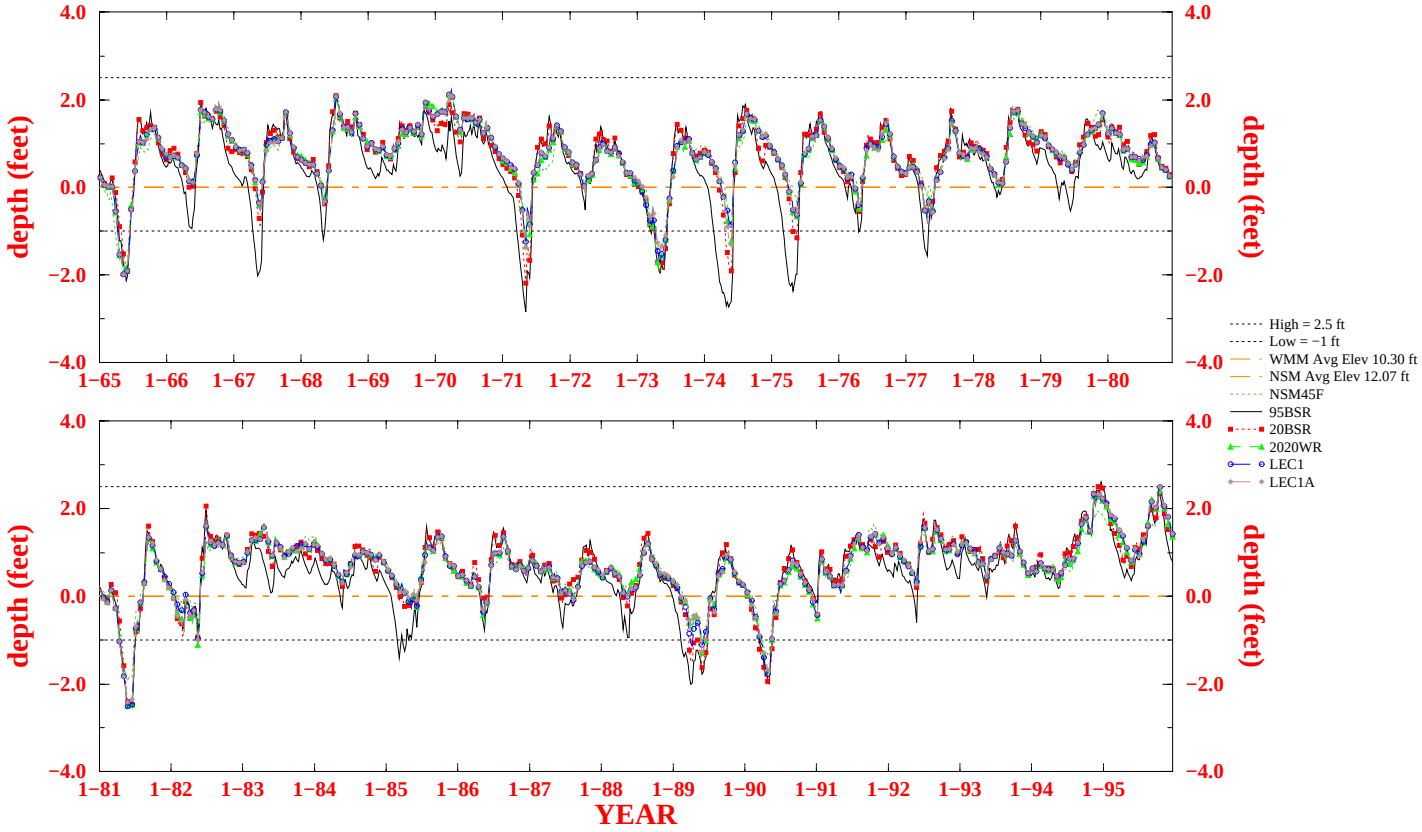


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

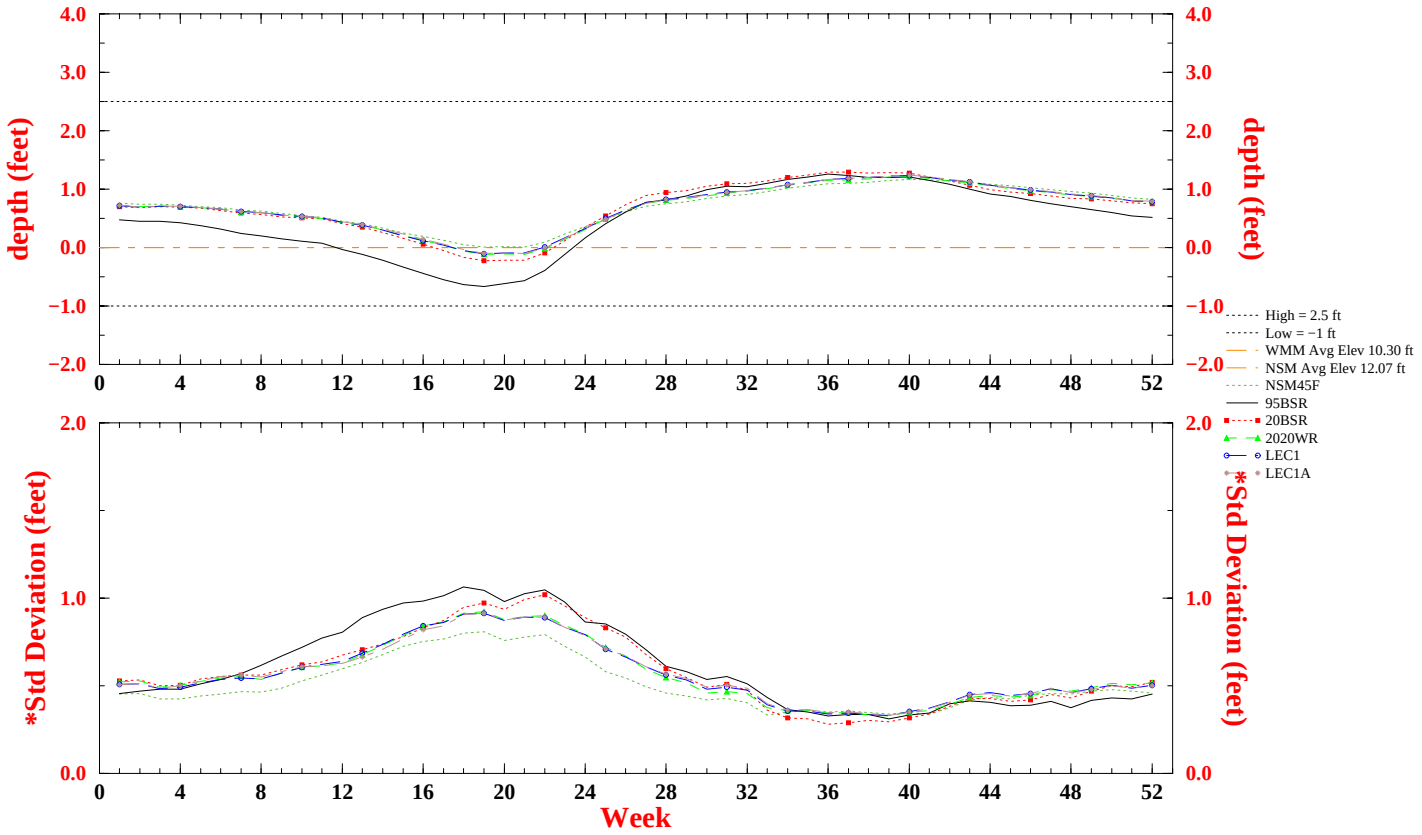
Indicator Region 20 (R36C18-18 R37C18-19 R38C17-19 R39C18-18)



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

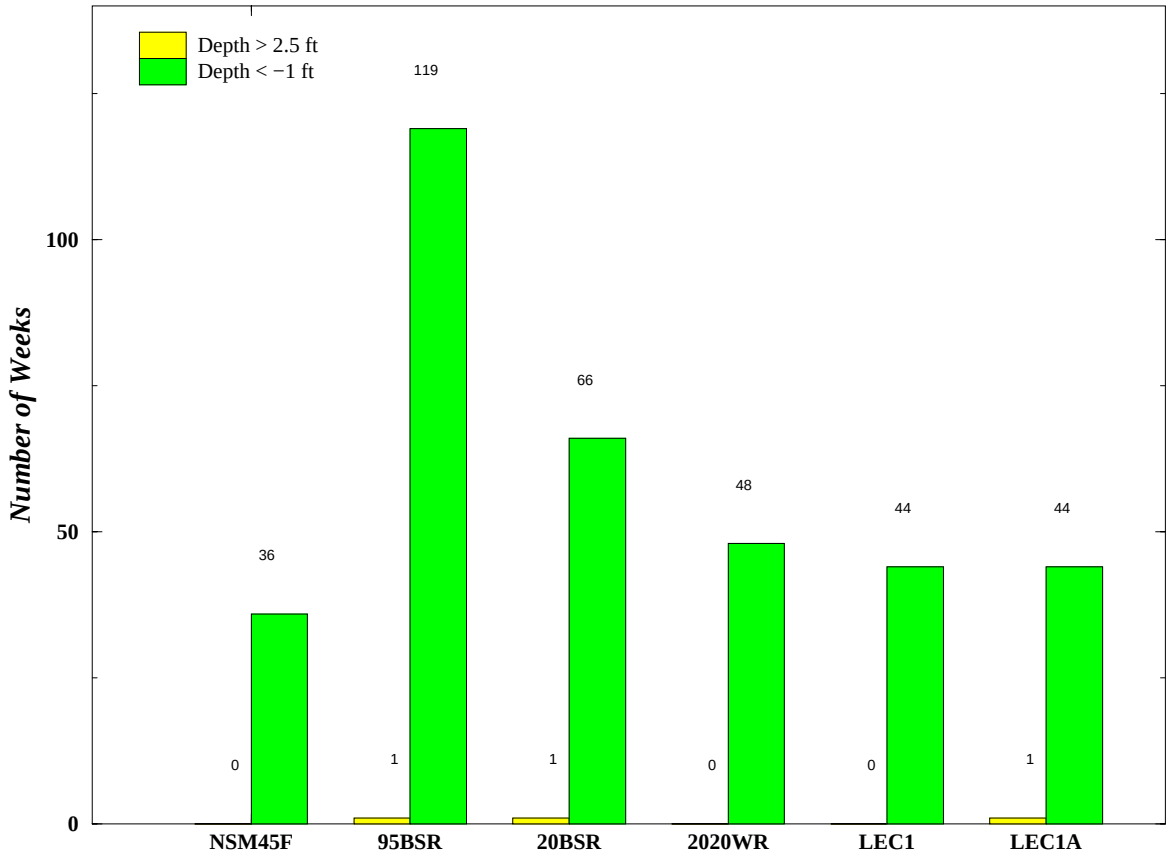
High/Low = 0 indicates criteria undefined for region

* 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)

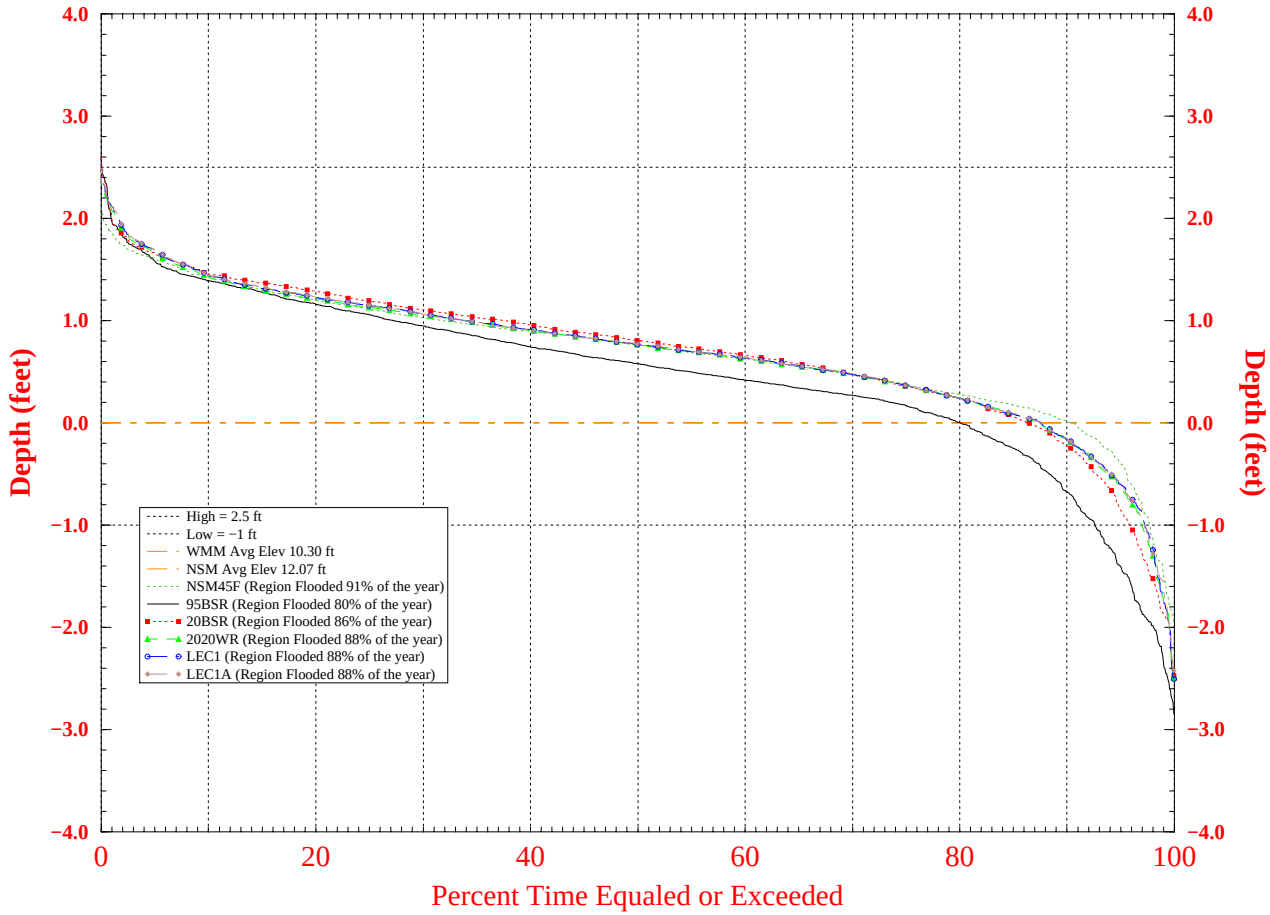


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

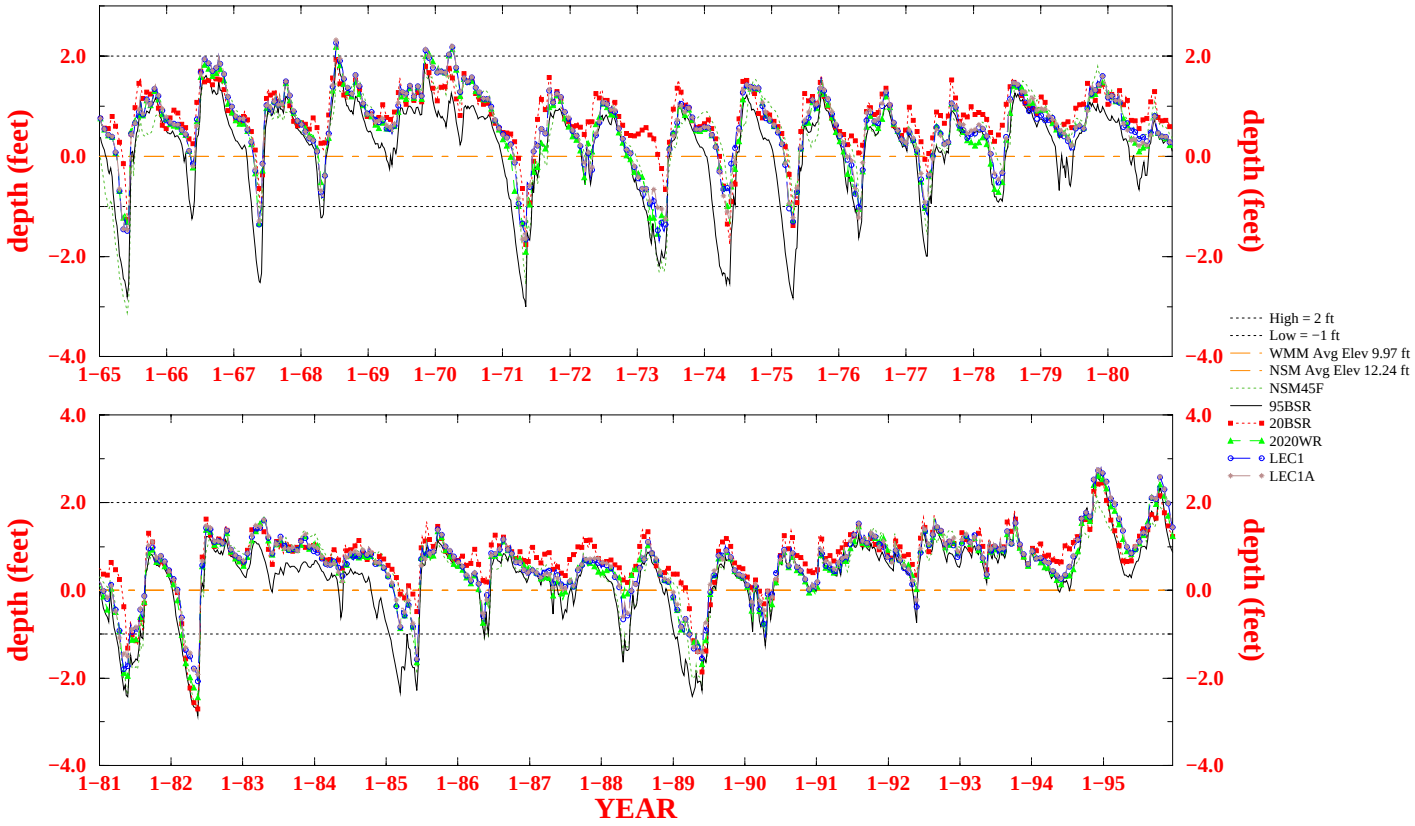


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

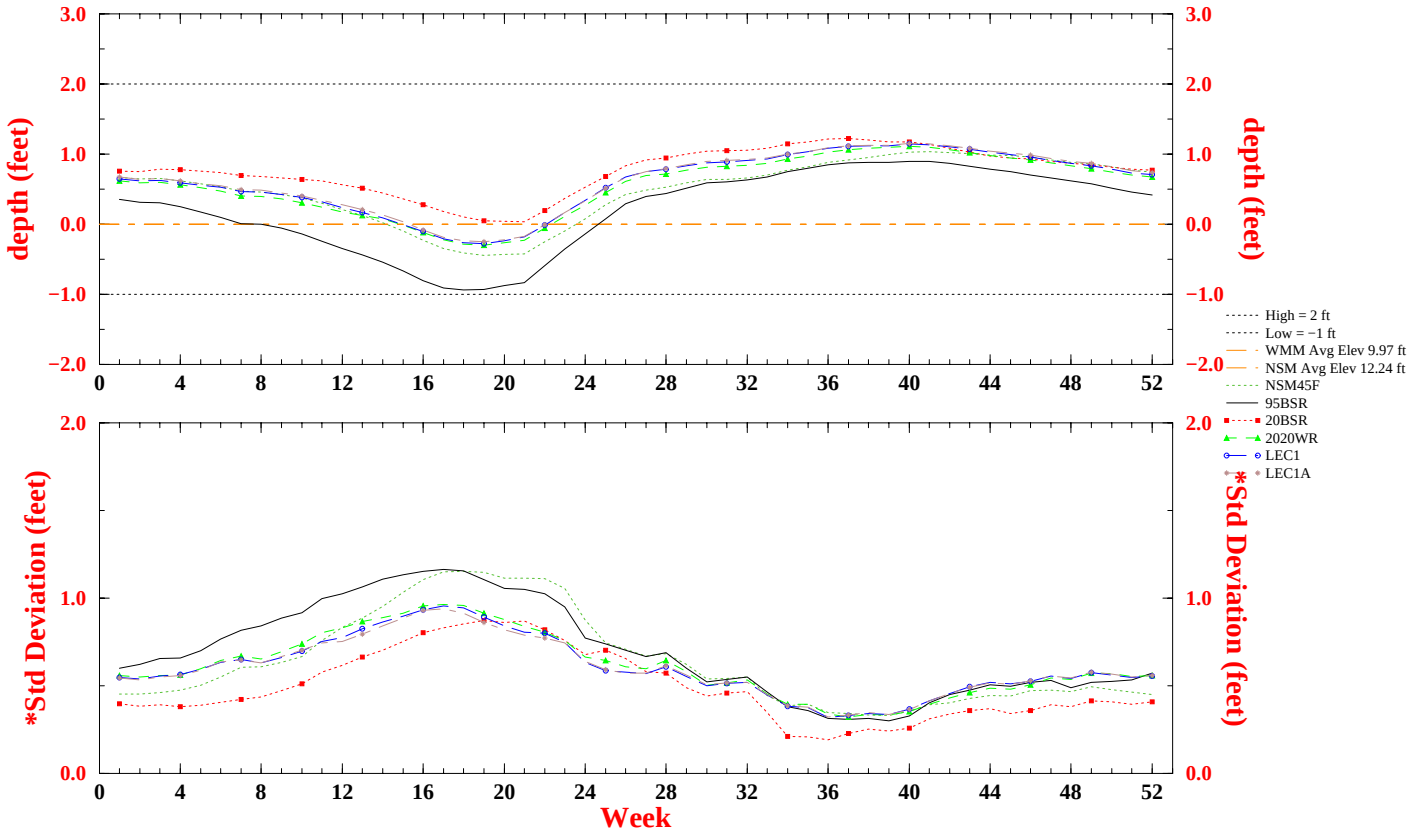
Indicator Region 21 (R38C23-24 R39C23-25 R40C22-25)



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

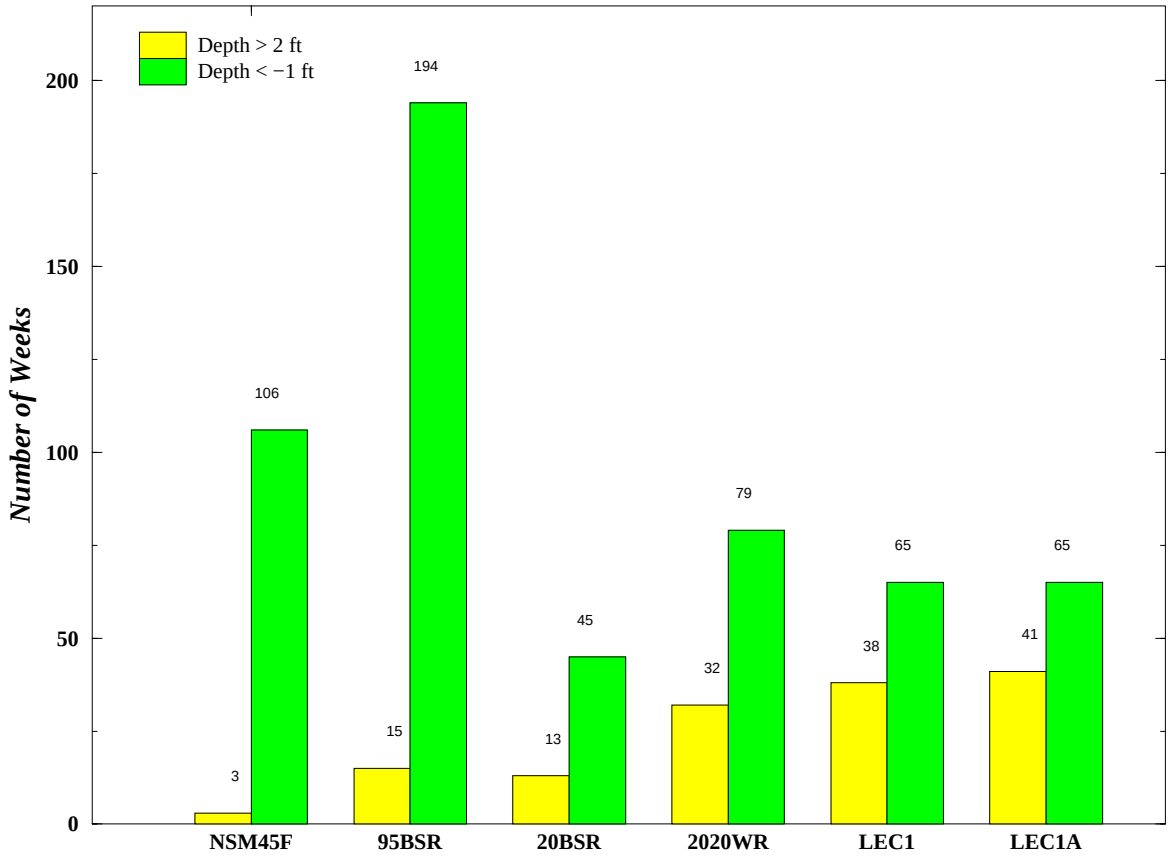
High/Low = 0 indicates criteria undefined for region

* 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)

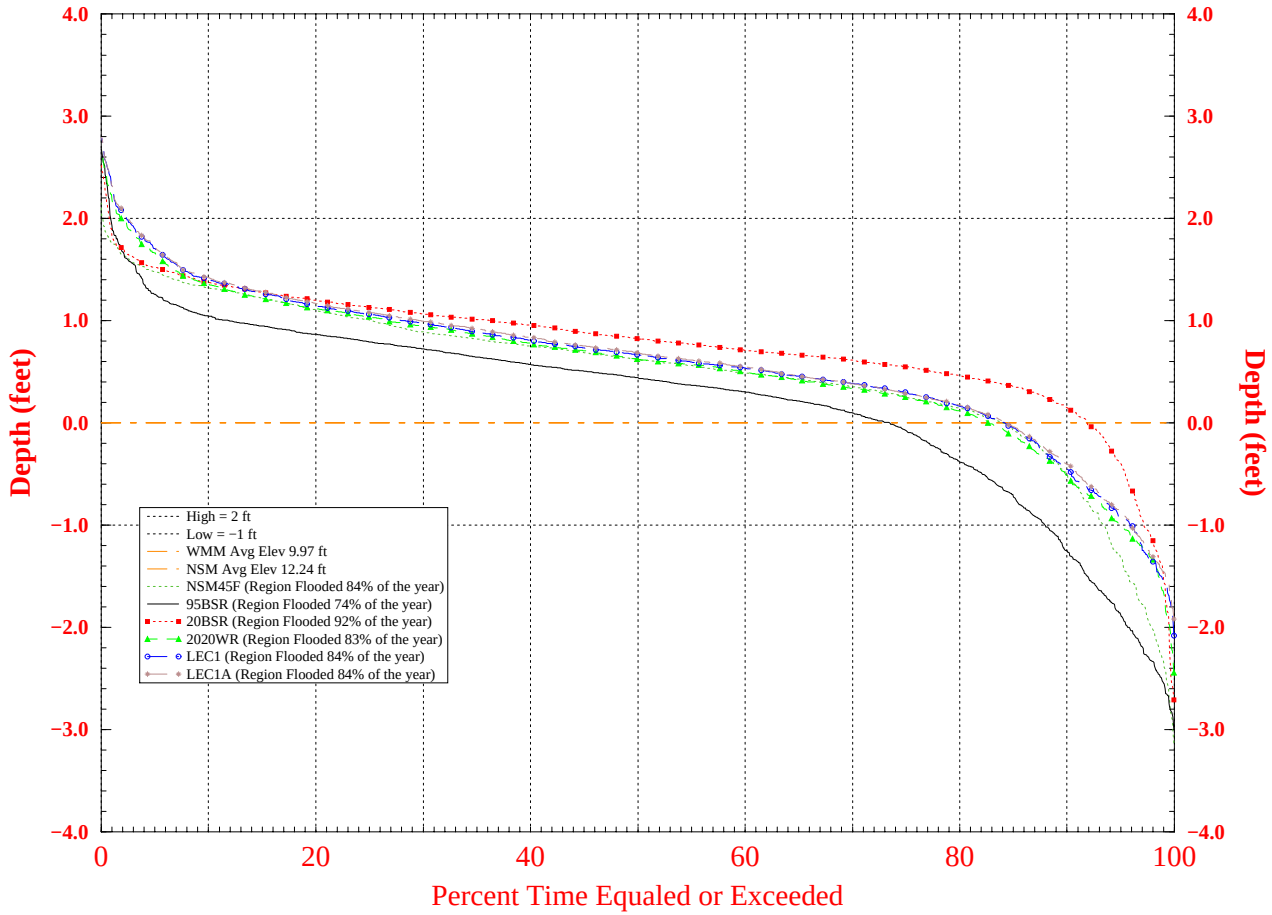


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

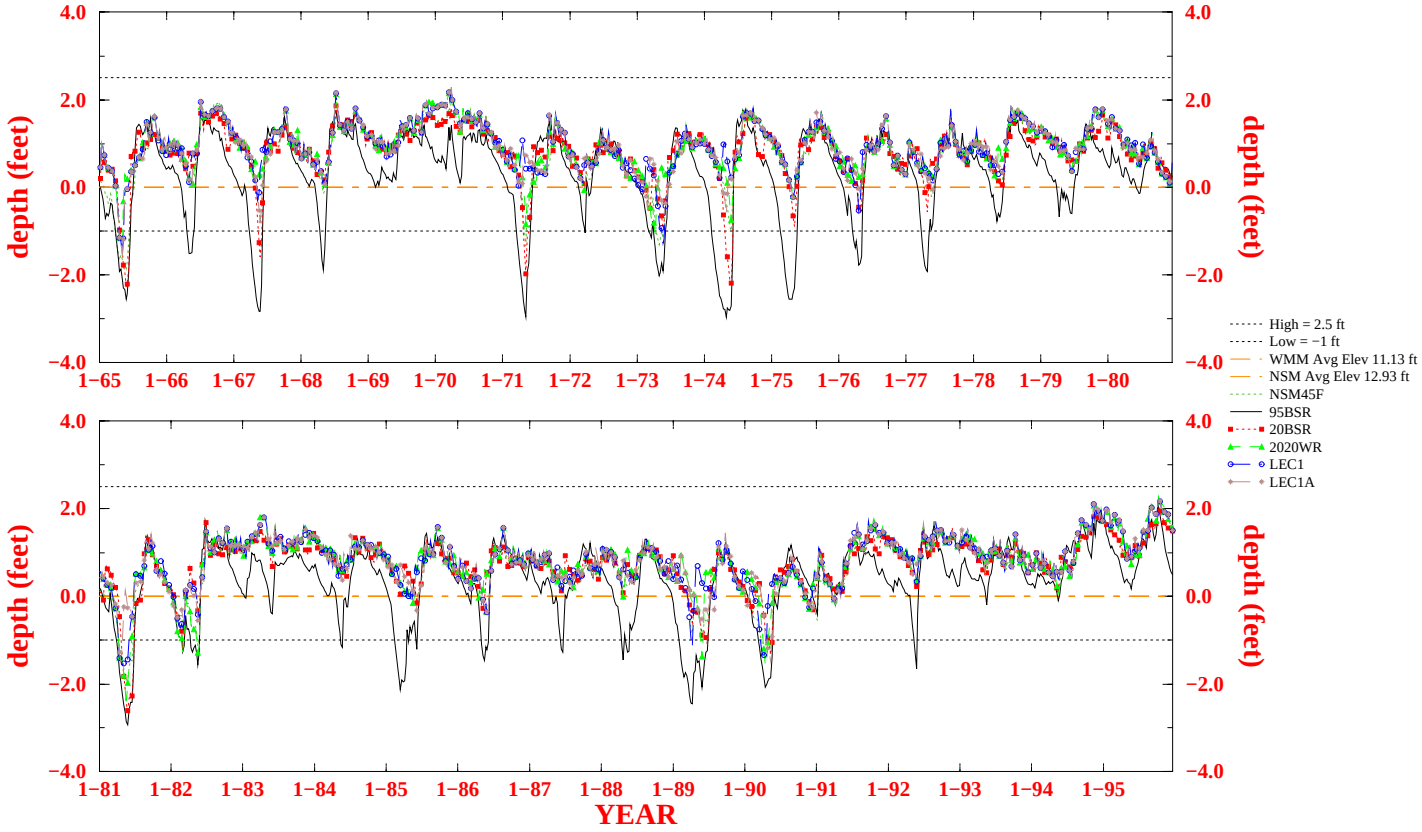


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

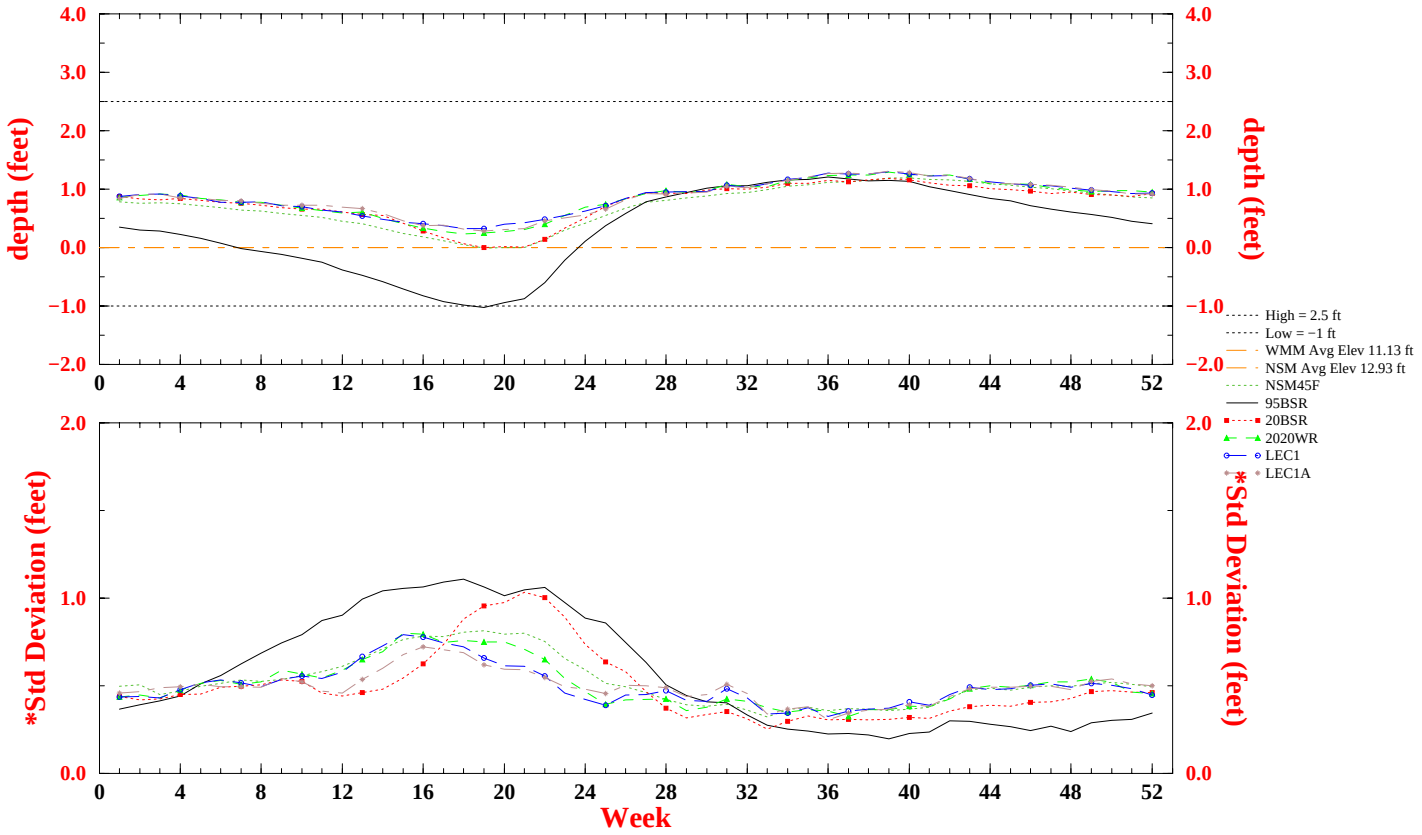
Indicator Region 22 (R39C17-17 R40C17-18 R41C17-17)



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

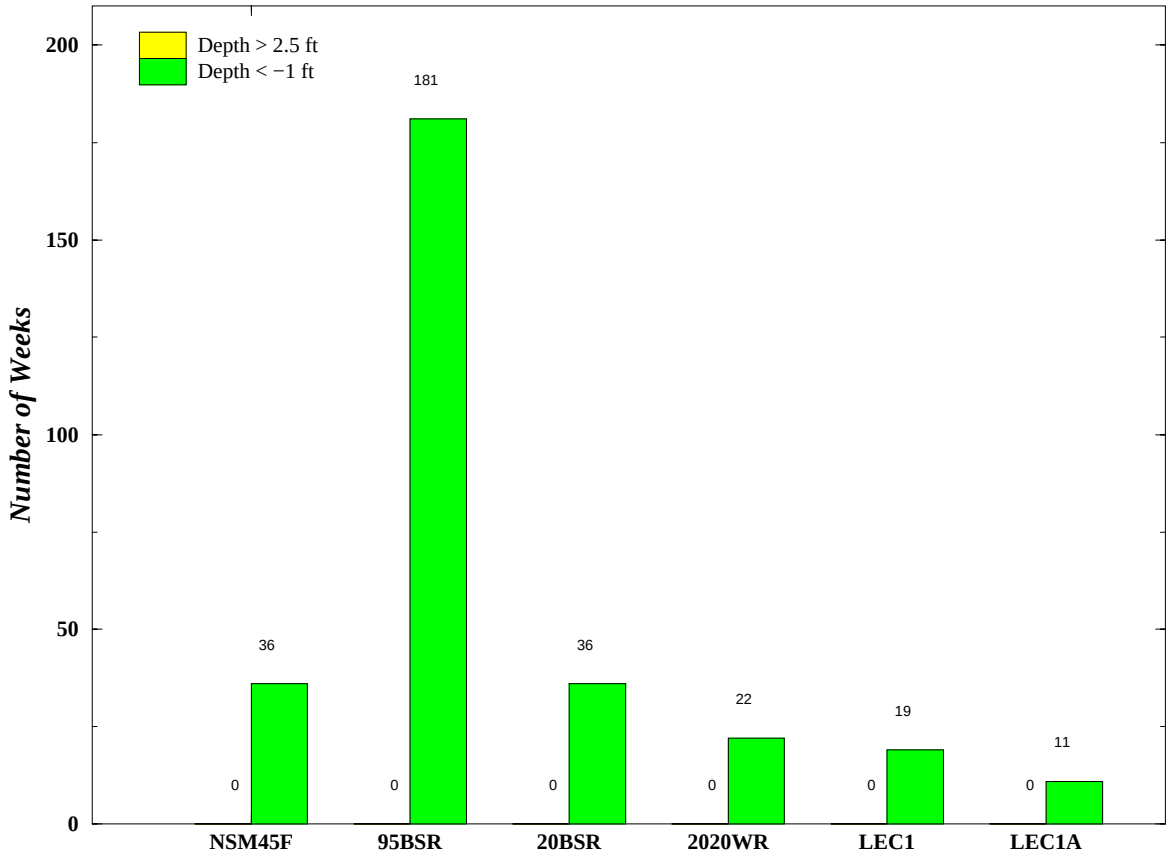
High/Low = 0 indicates criteria undefined for region

* 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)

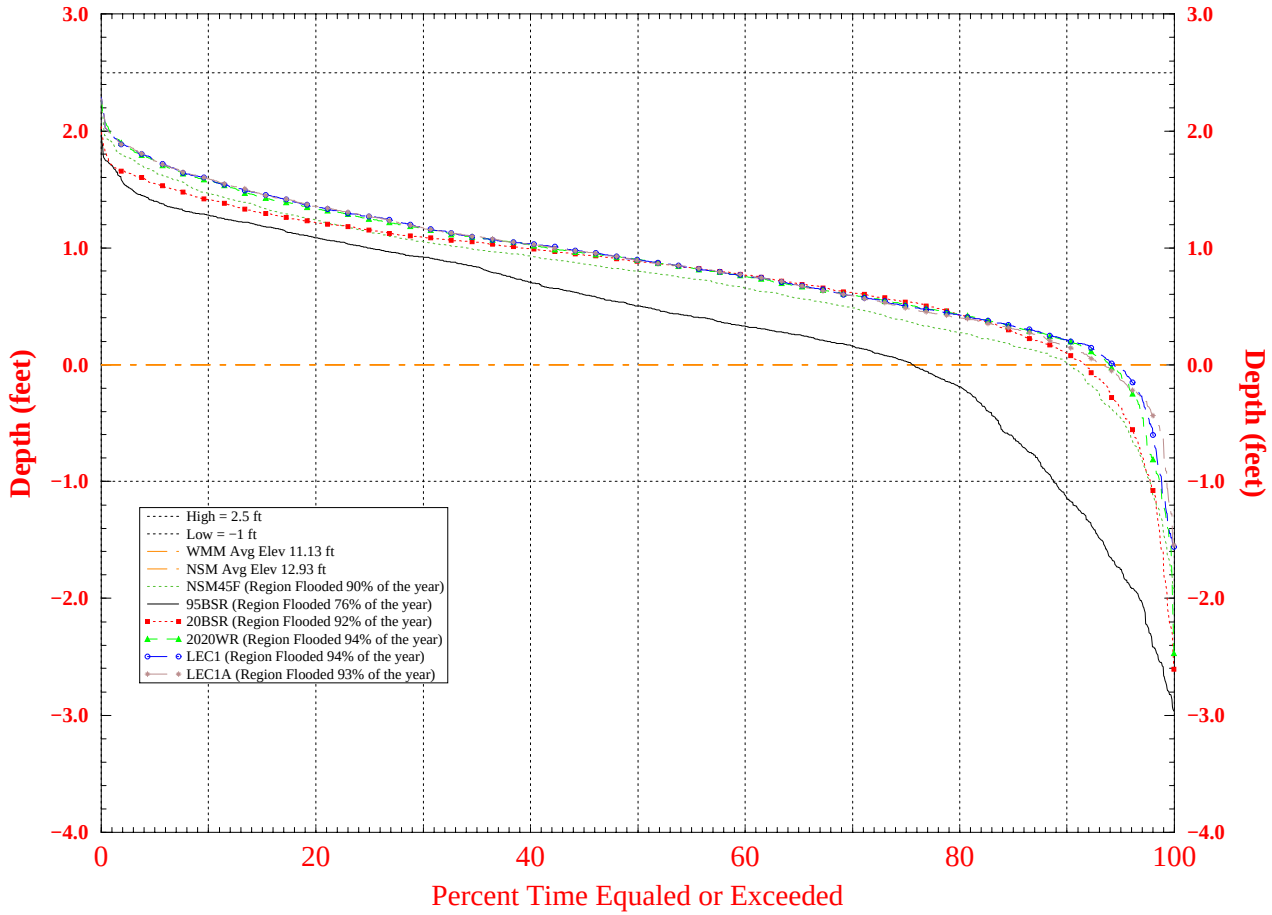


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

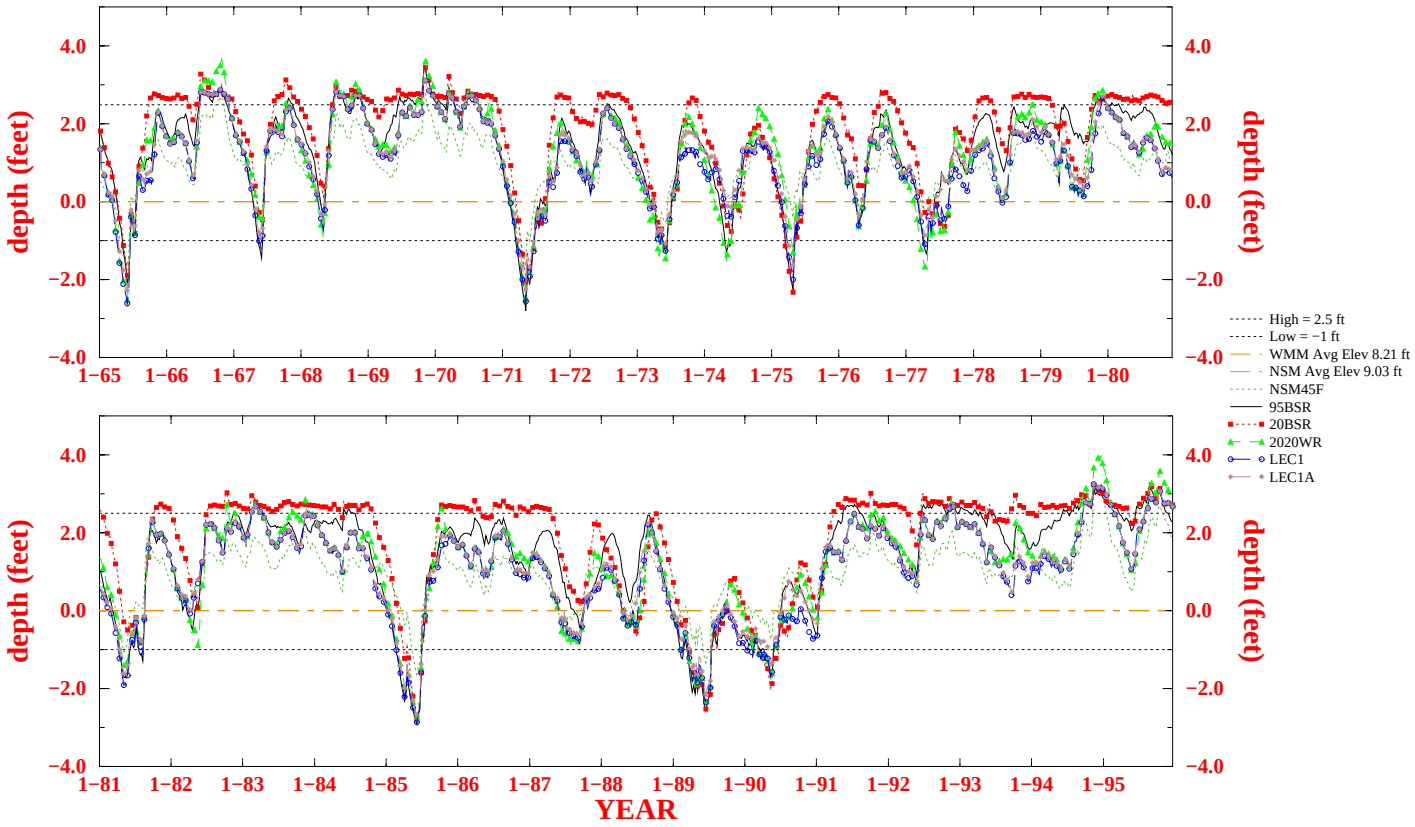


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

Normalized Weekly Stage Hydrograph for WCA-2B

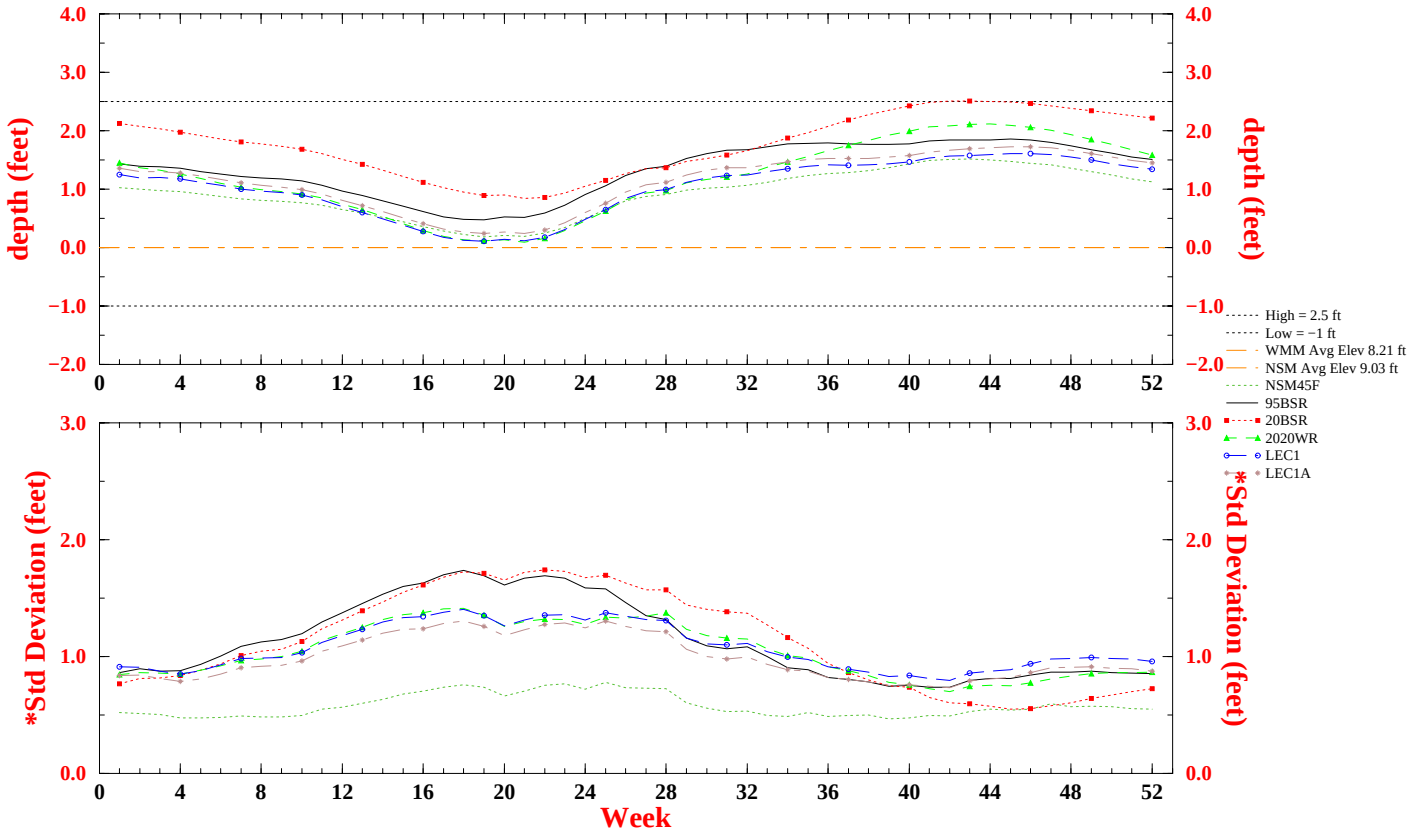
Indicator Region 23 (R36C29-31 R37C30-32)



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

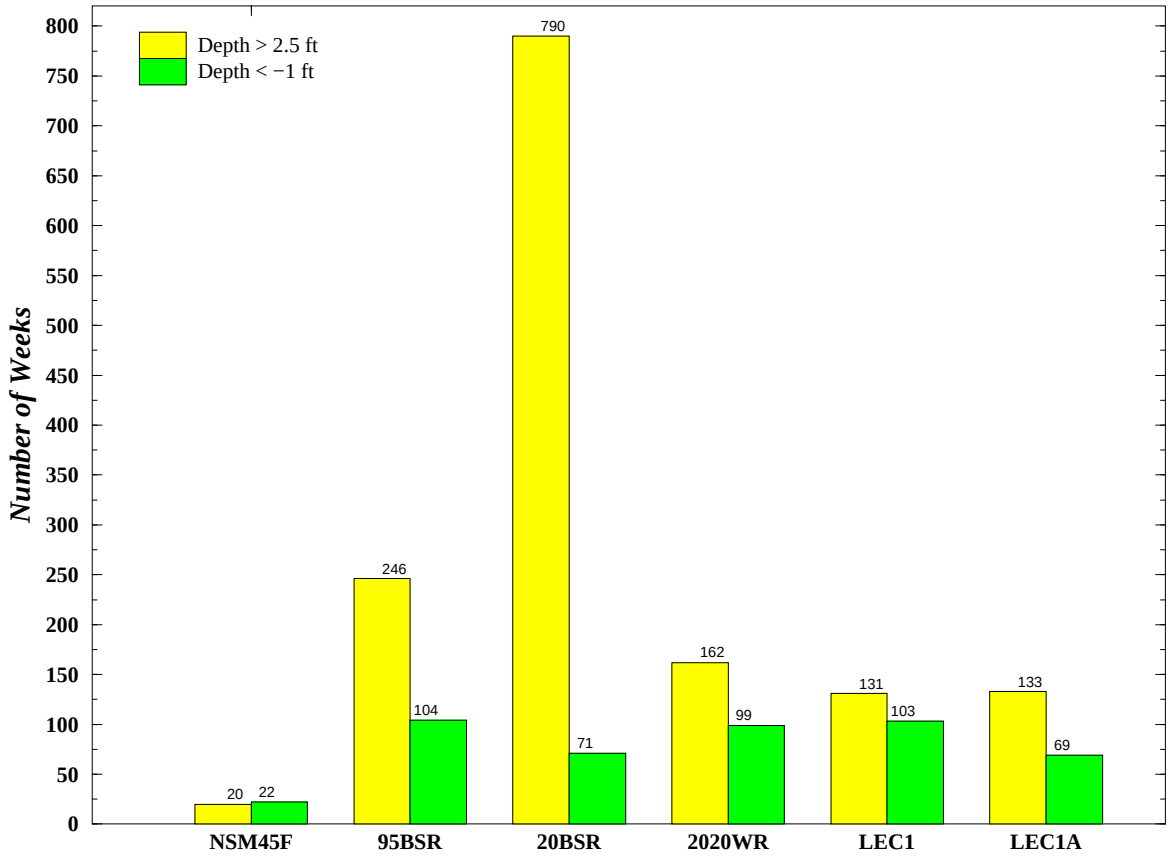
High/Low = 0 indicates criteria undefined for region

* 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)

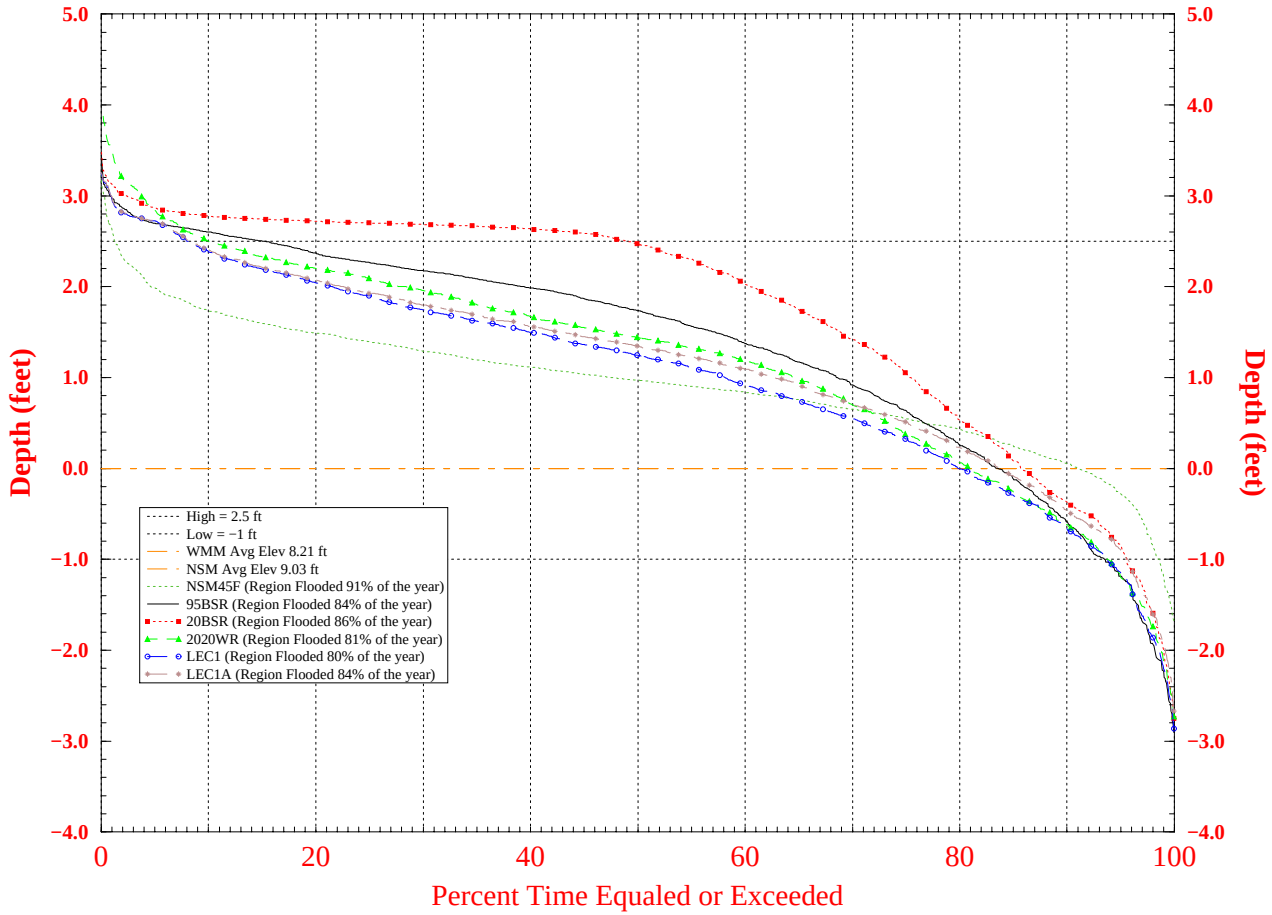


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

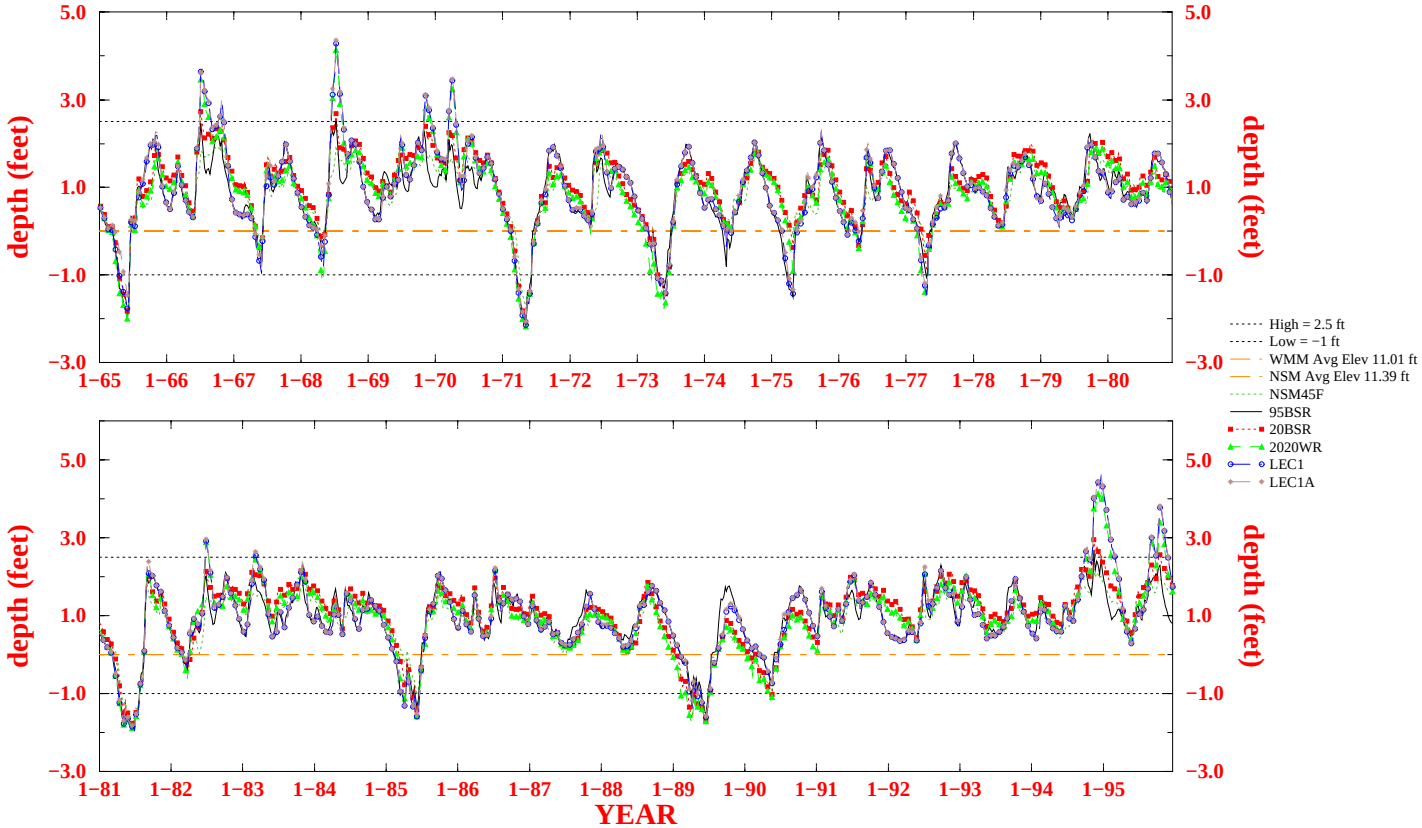


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

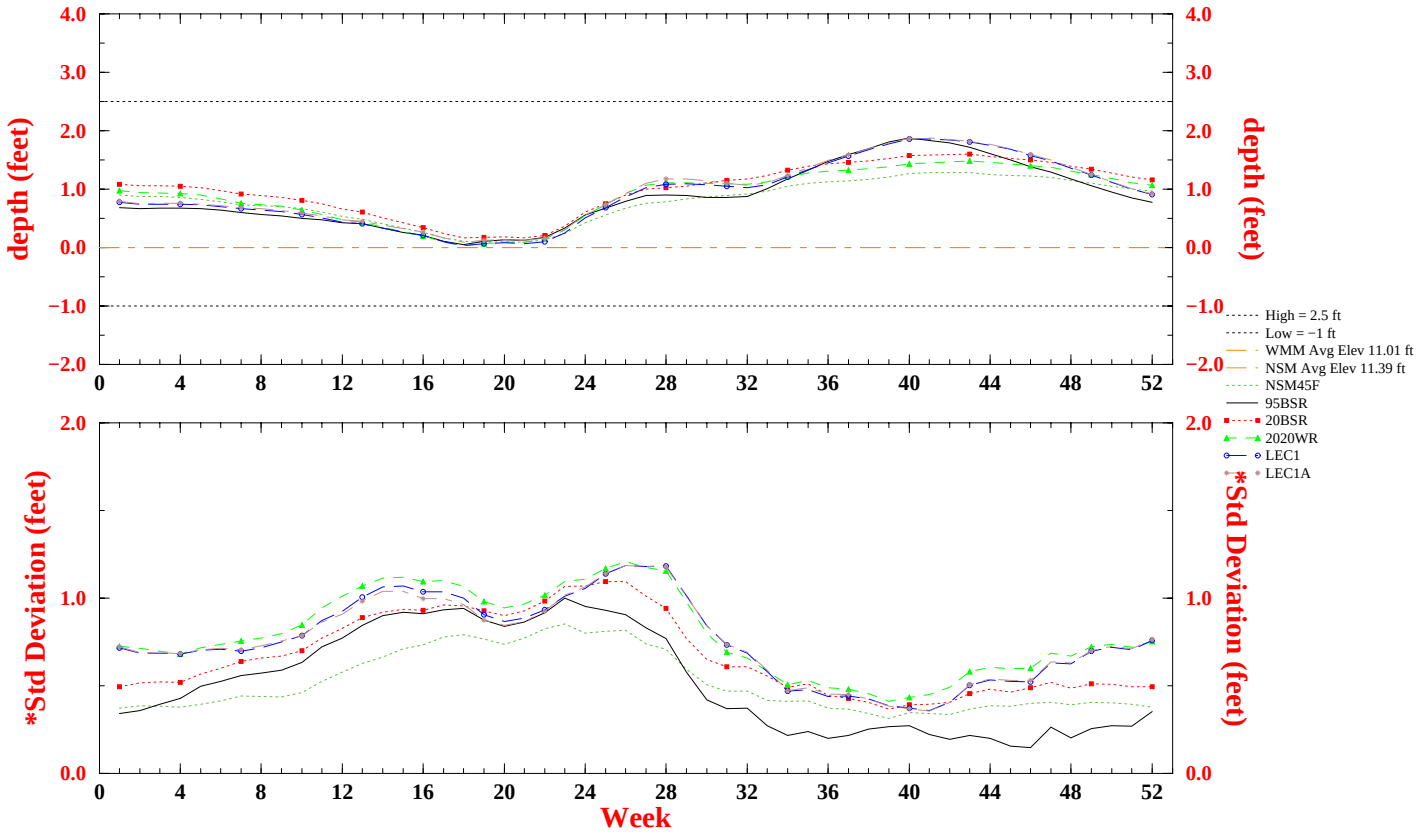
Indicator Region 24 (R39C29-31 R40C28-31 R41C28-28)



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

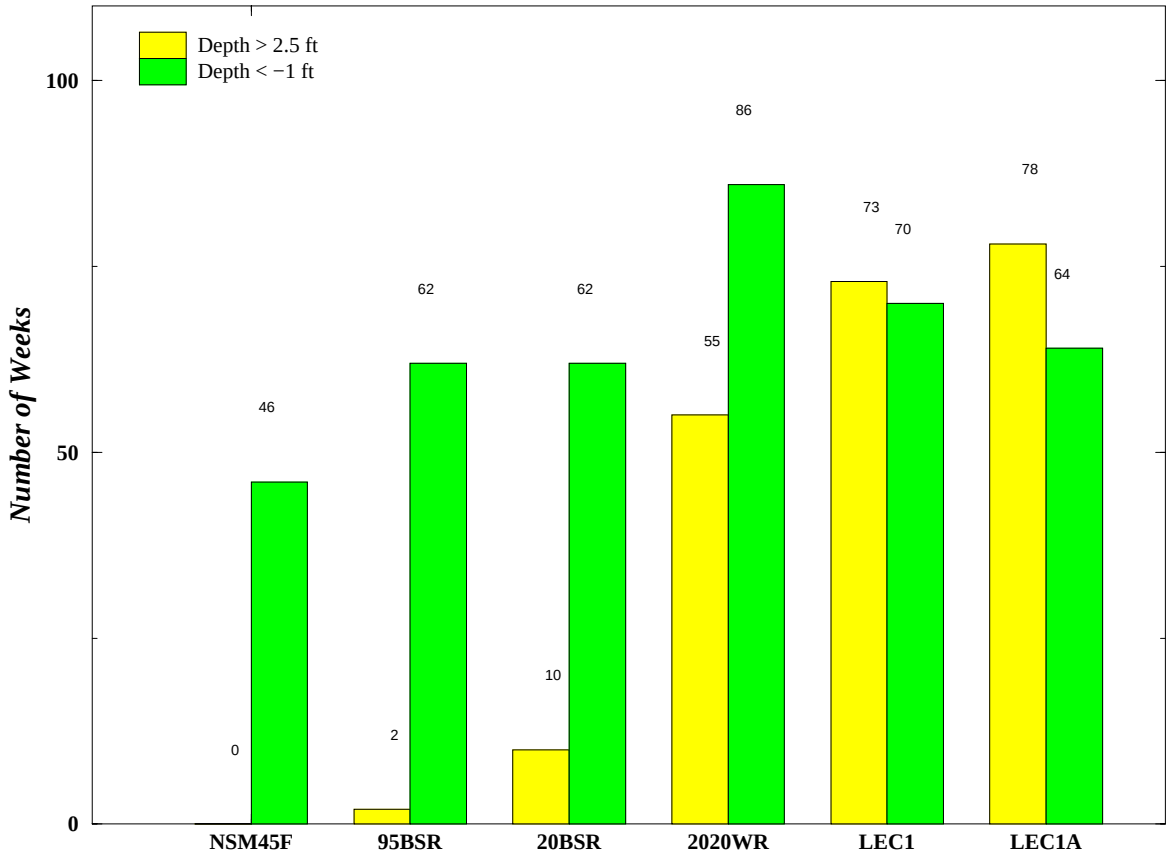
High/Low = 0 indicates criteria undefined for region

* 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)

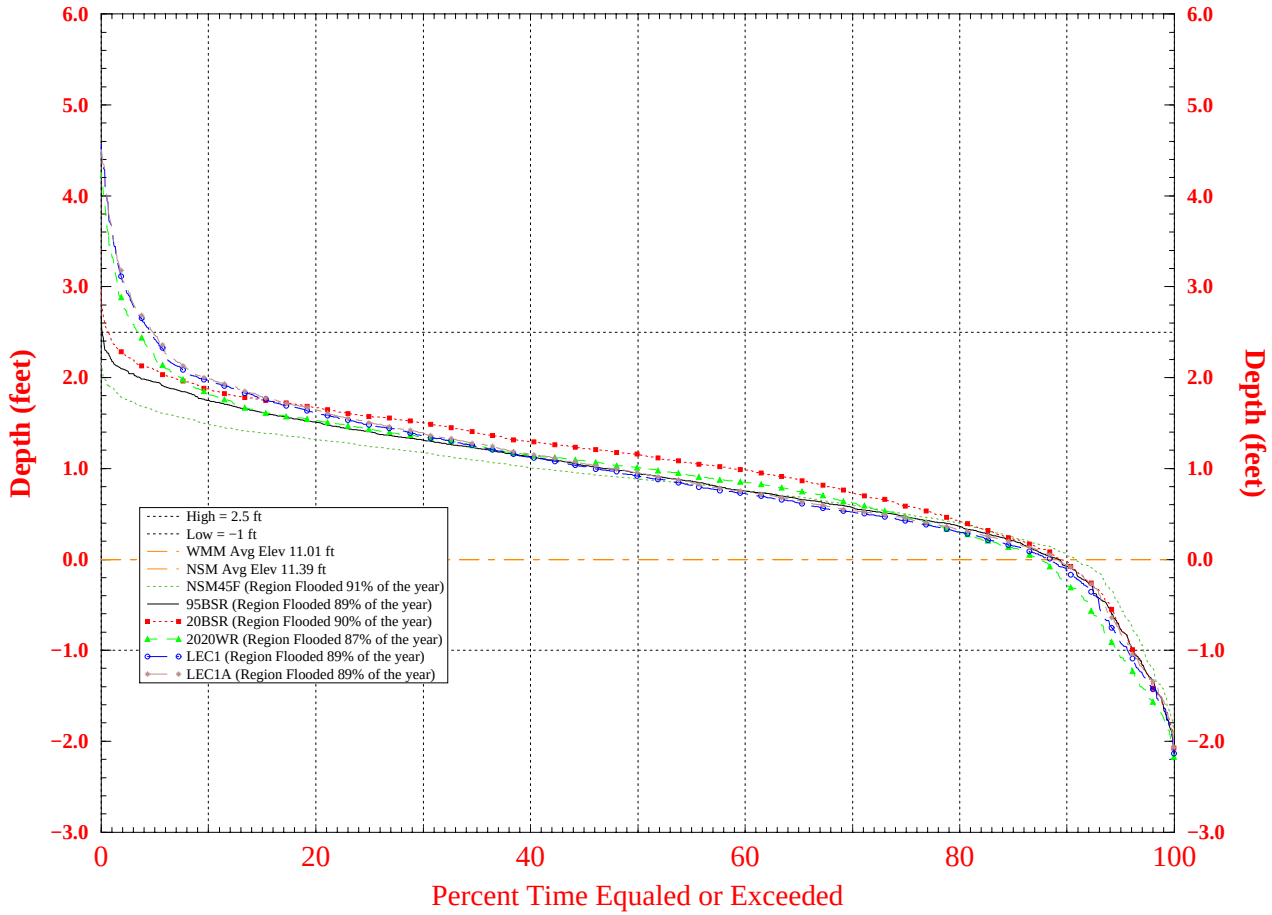


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

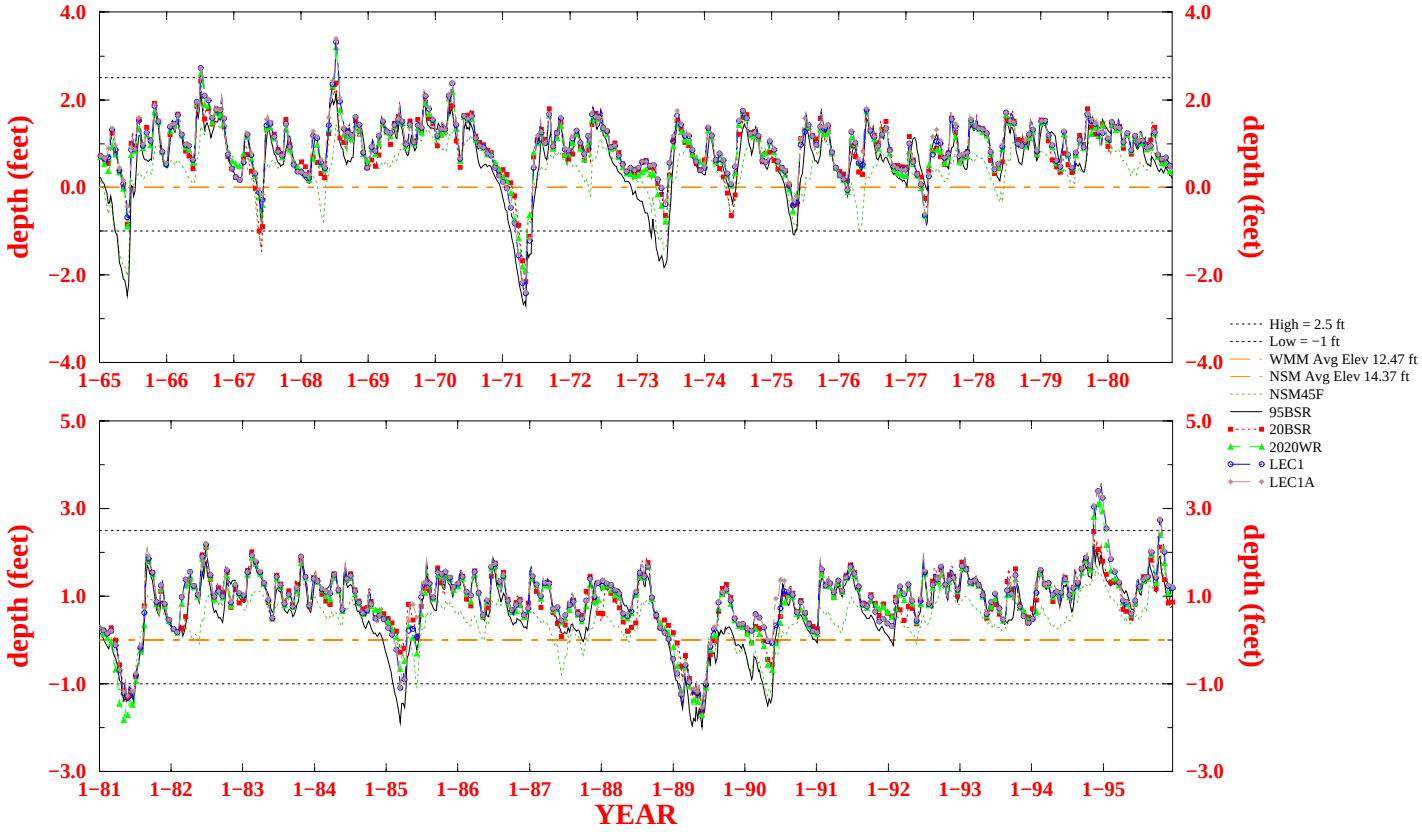


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

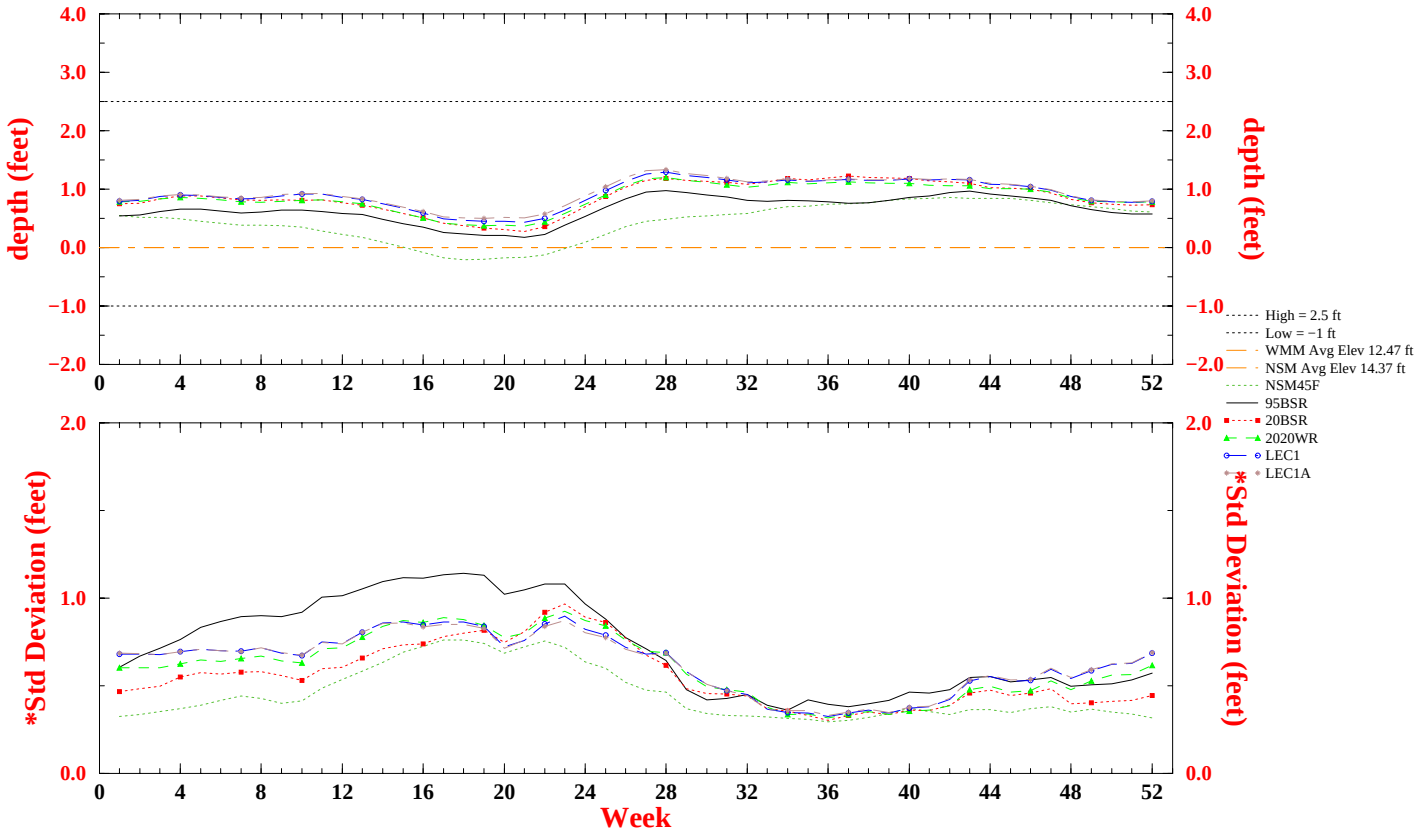
Indicator Region 25 (R43C27-28 R44C27-29 R45C28-28)



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

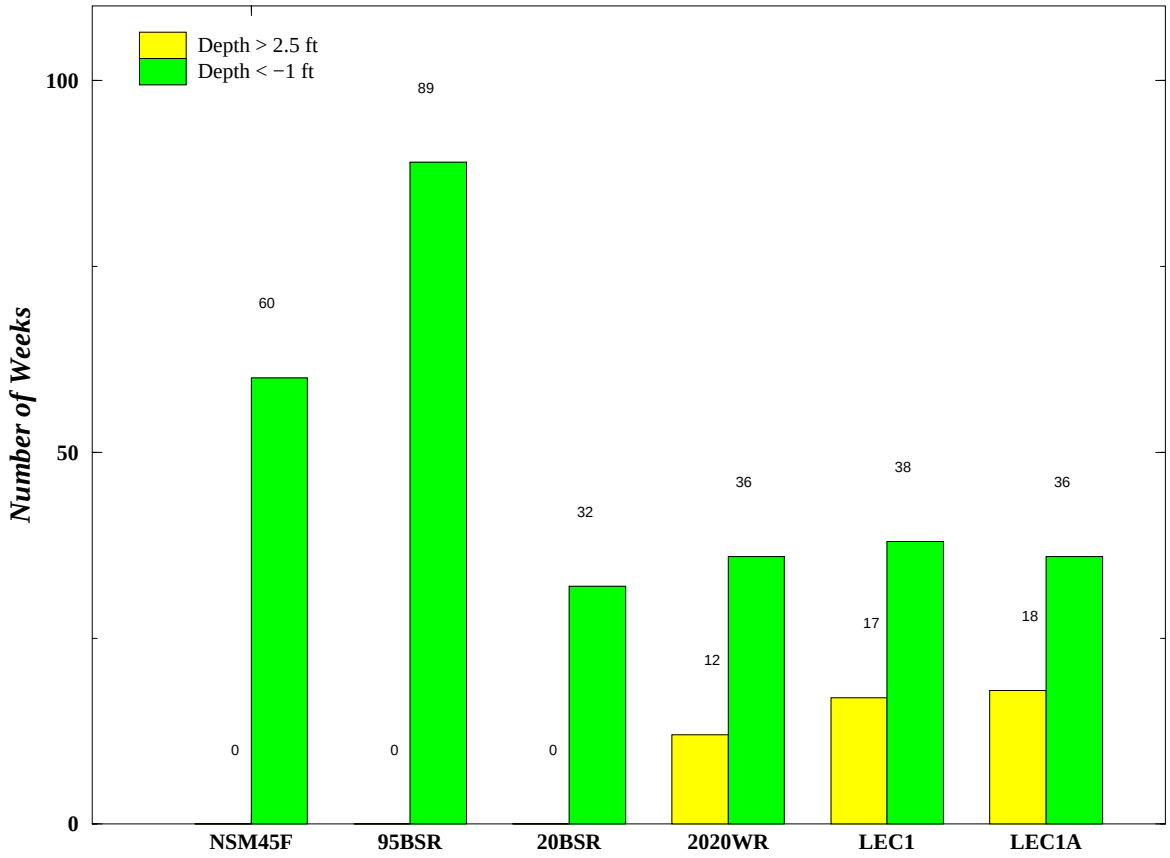
High/Low = 0 indicates criteria undefined for region

* 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)

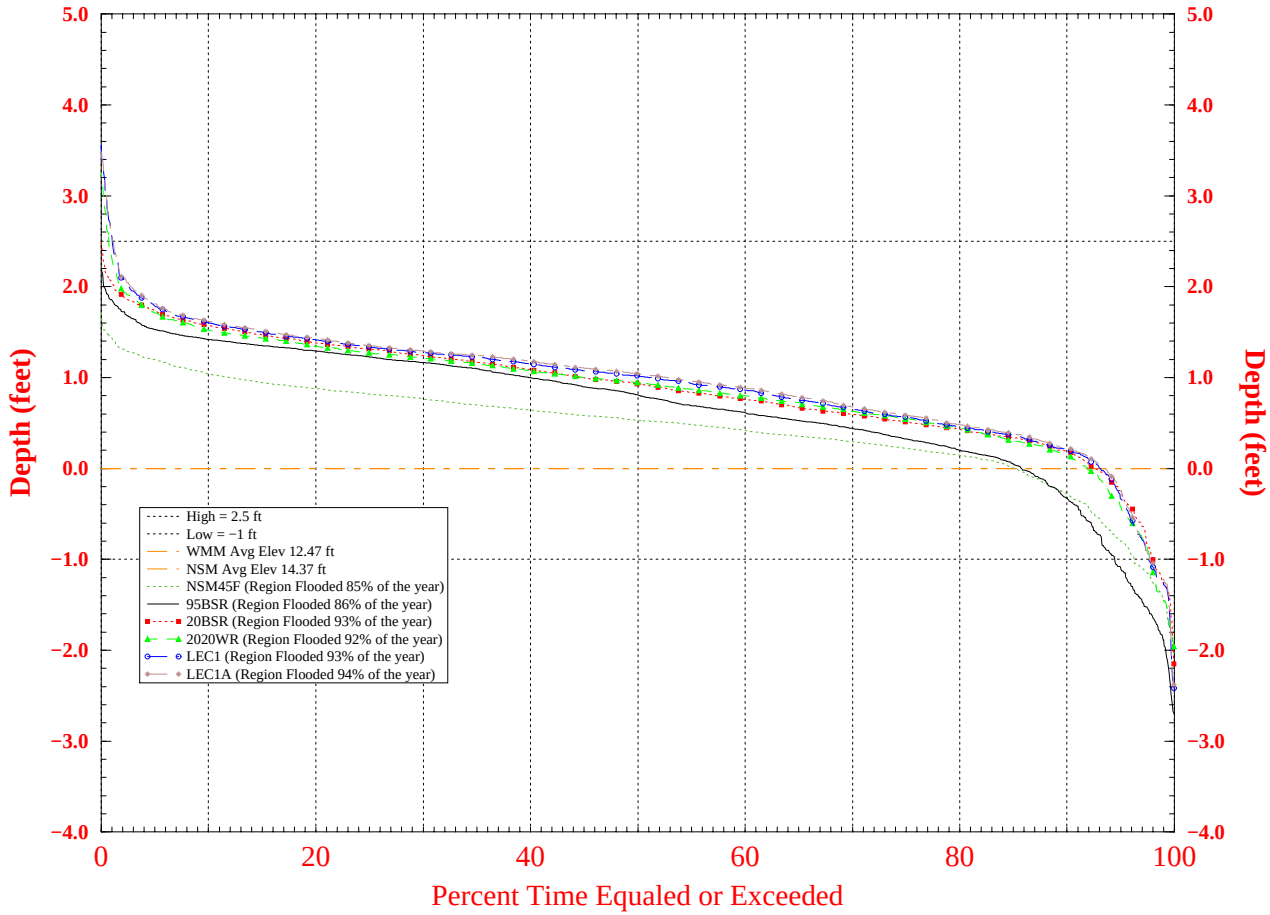


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

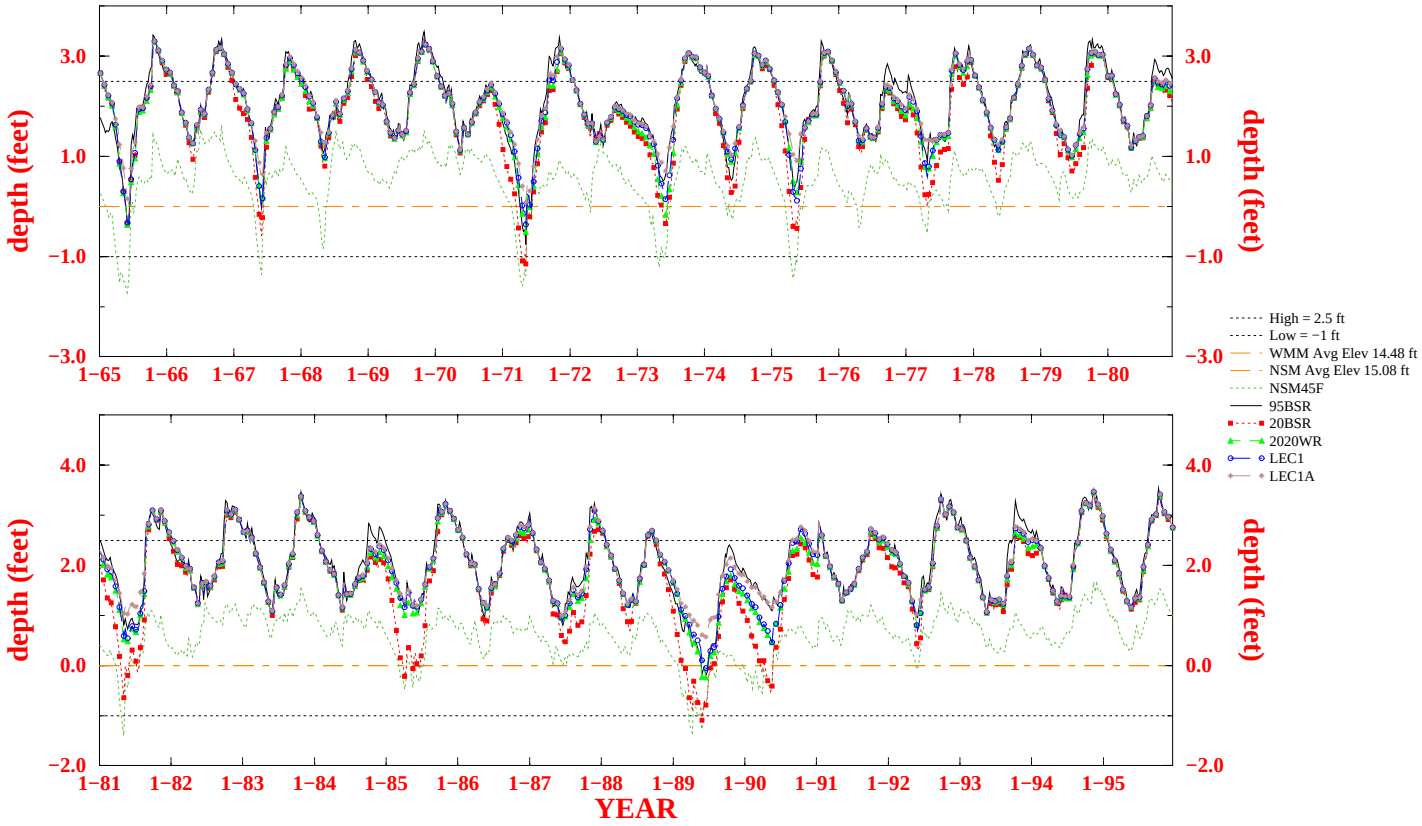


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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)

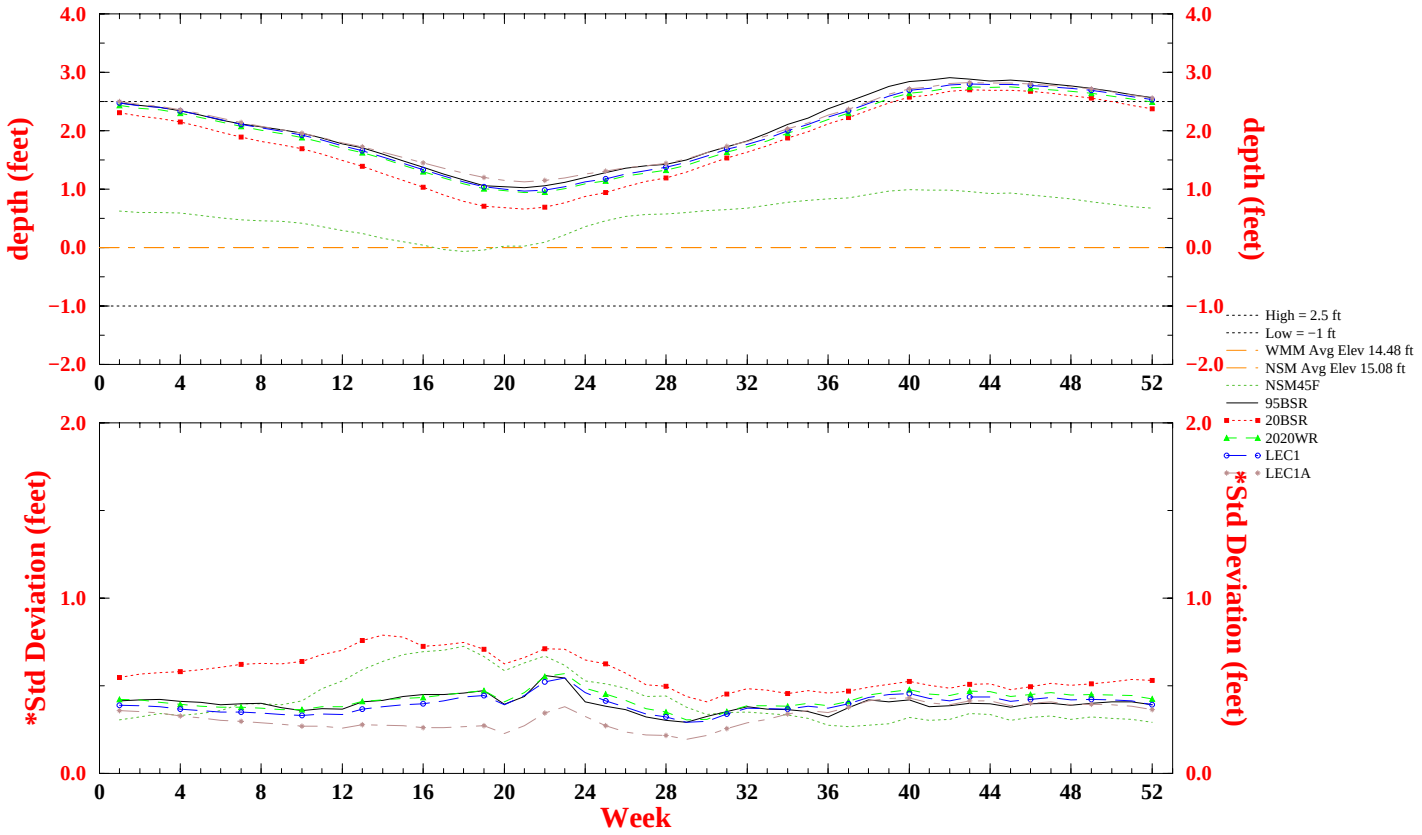
Indicator Region 26 (R44C31-34 R45C30-34)



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

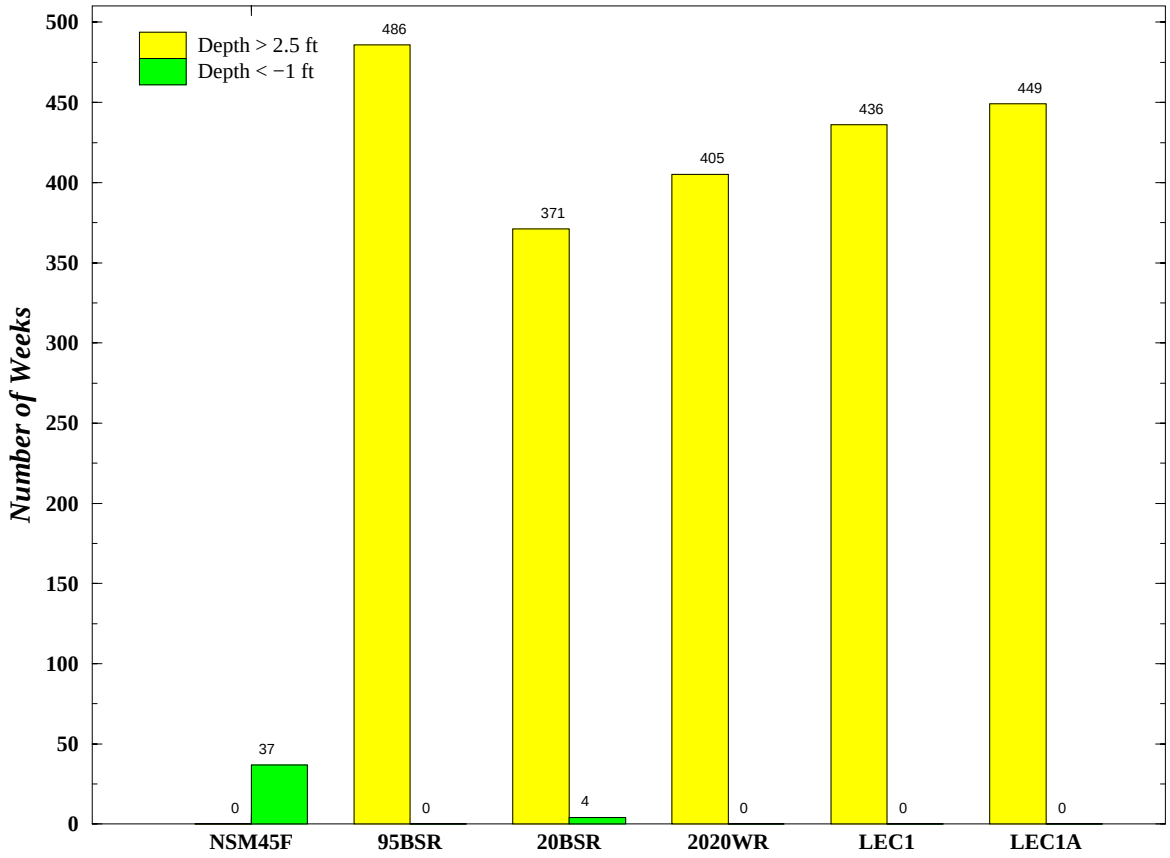
High/Low = 0 indicates criteria undefined for region

* 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)

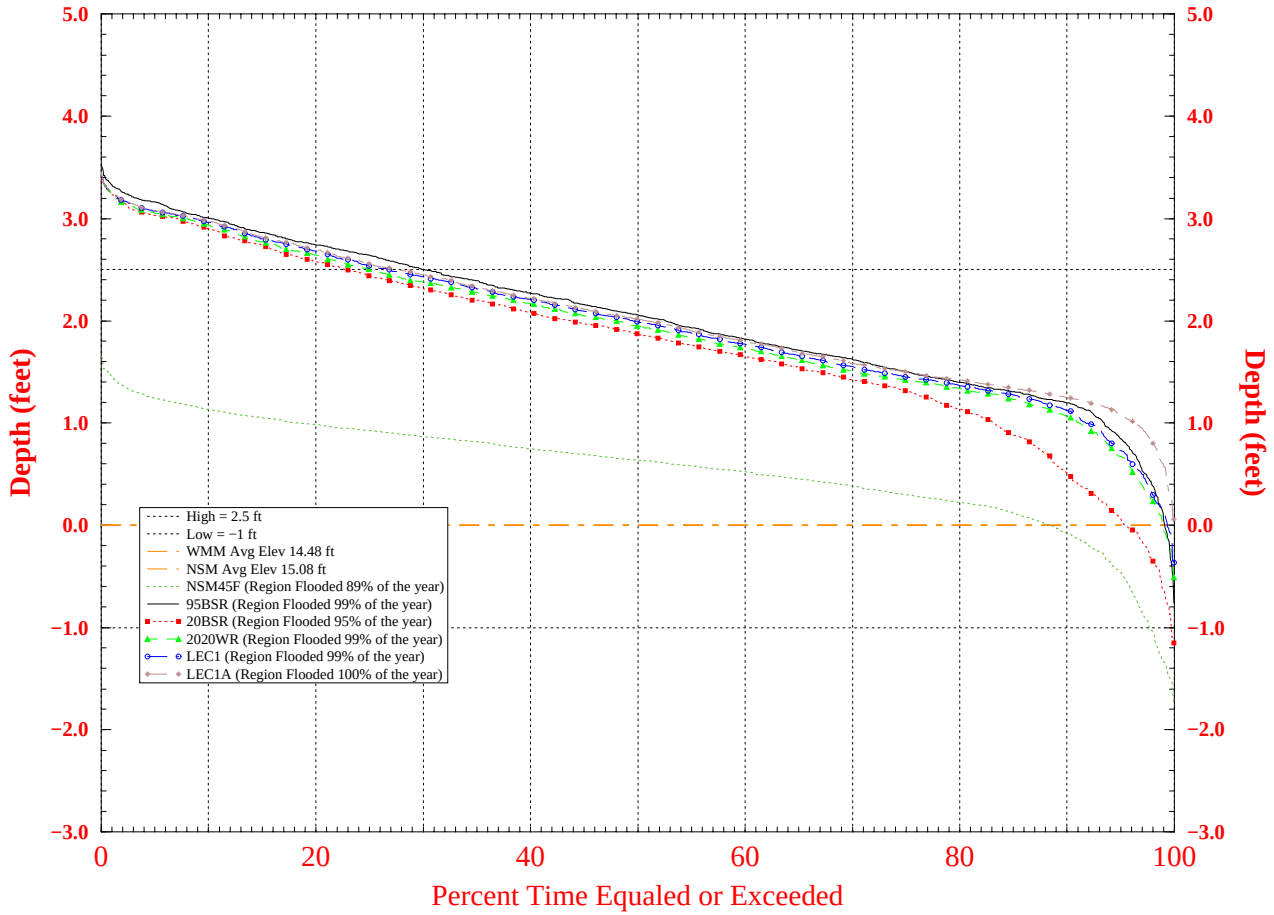


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

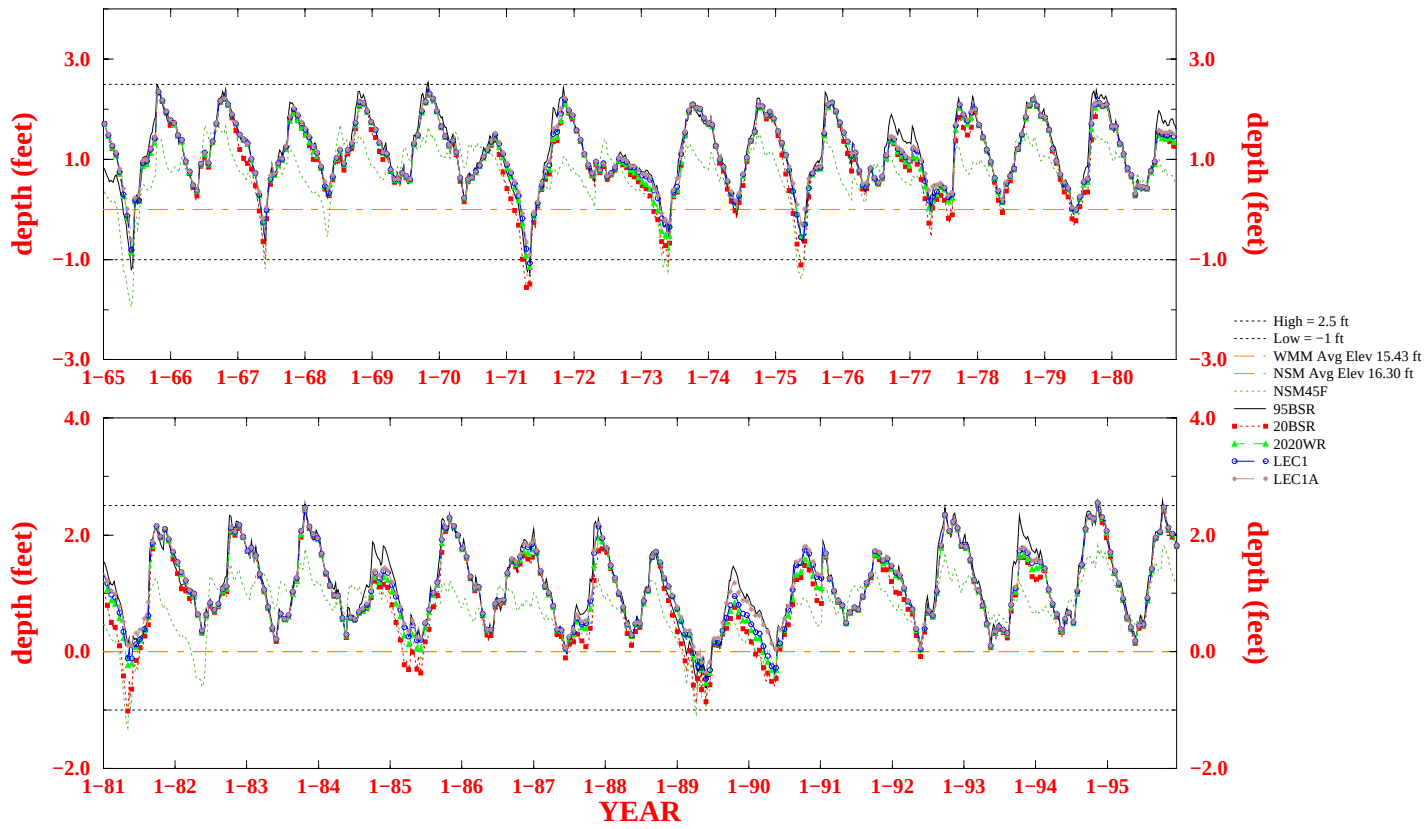


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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)

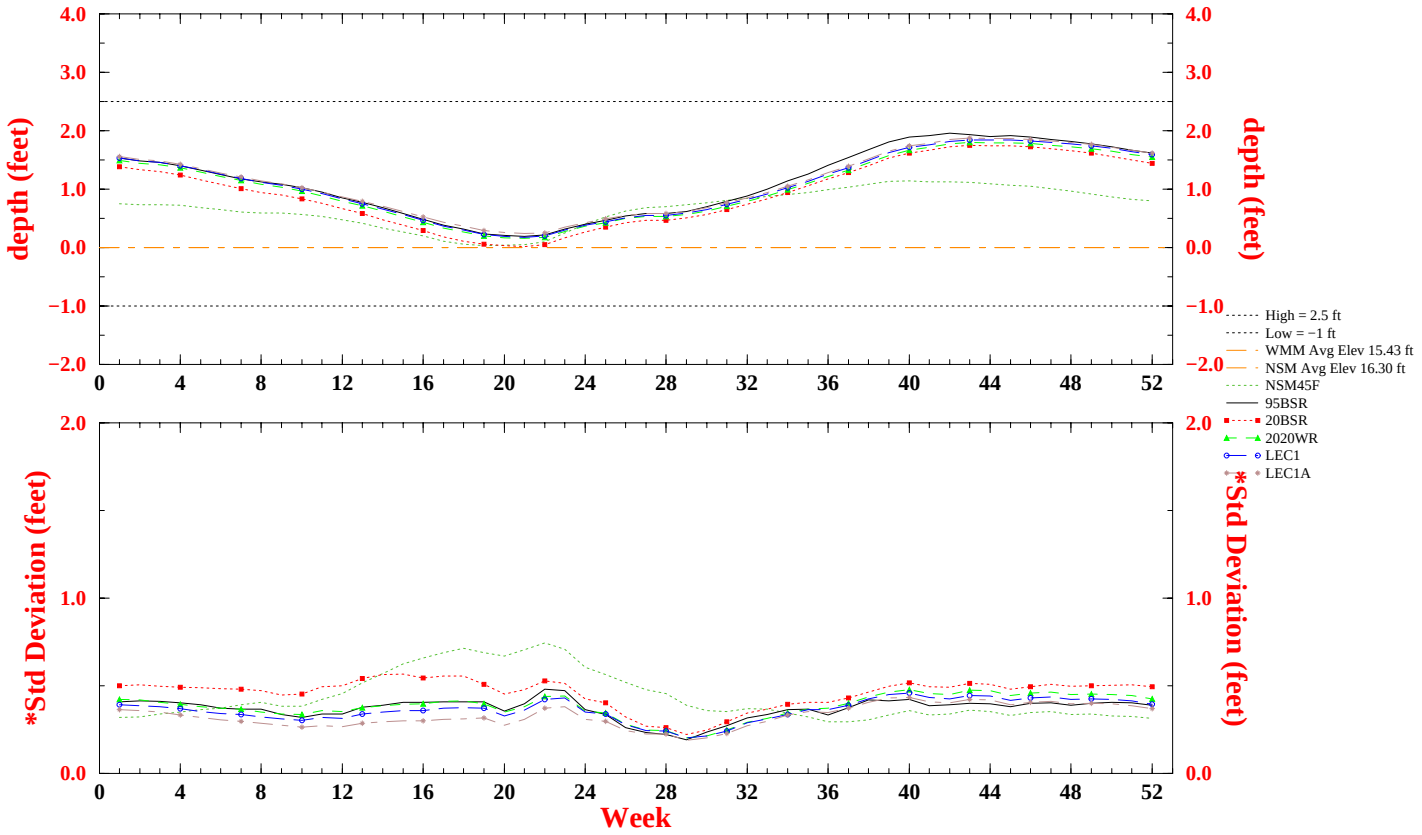
Indicator Region 27 (R47C30-34 R48C30-33 R49C30-33 R50C30-32 R51C30-31)



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

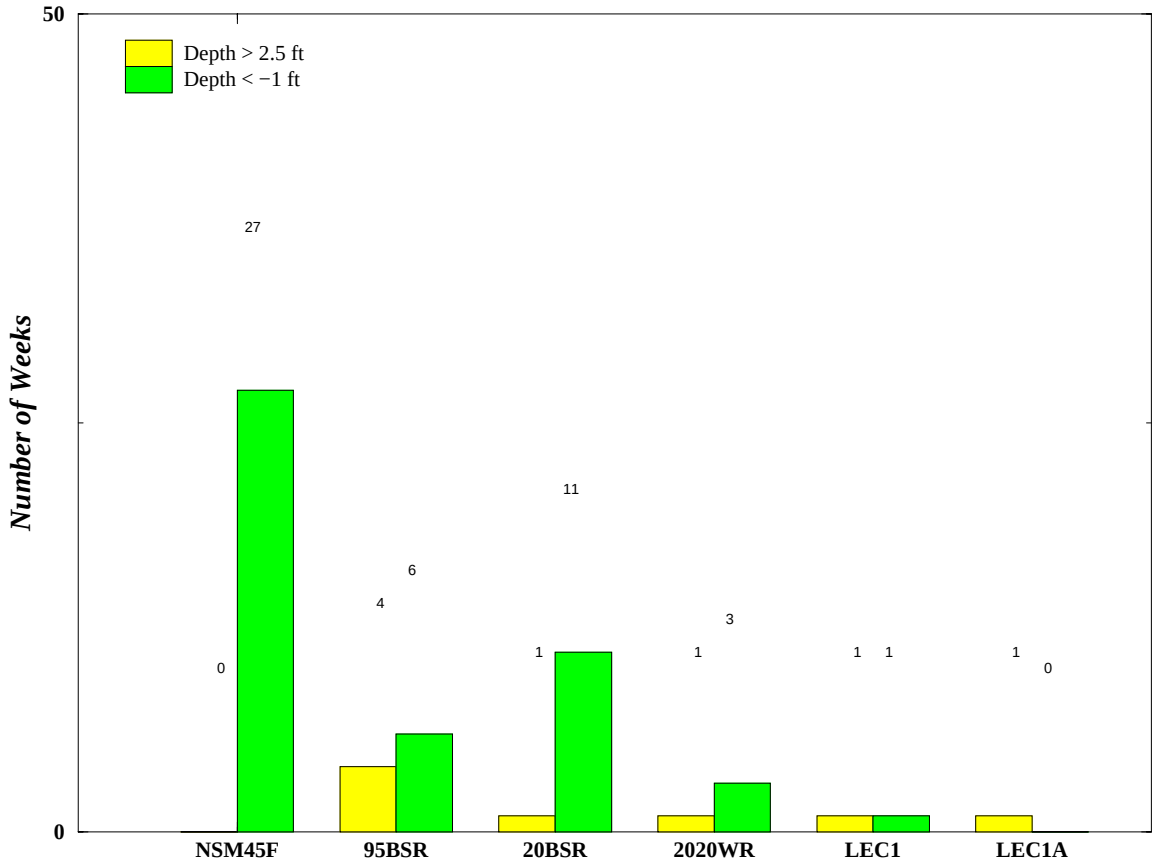
High/Low = 0 indicates criteria undefined for region

* 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)

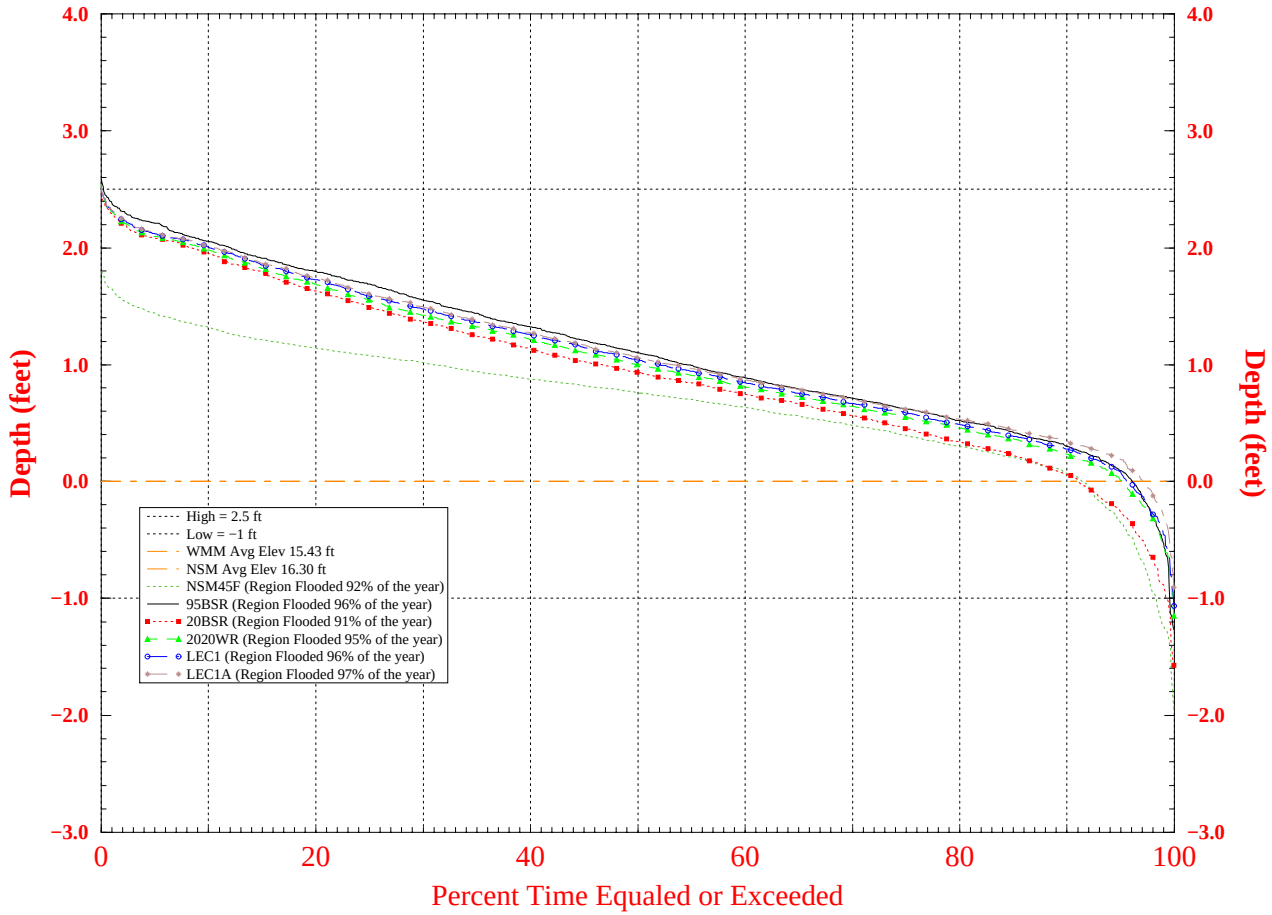


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

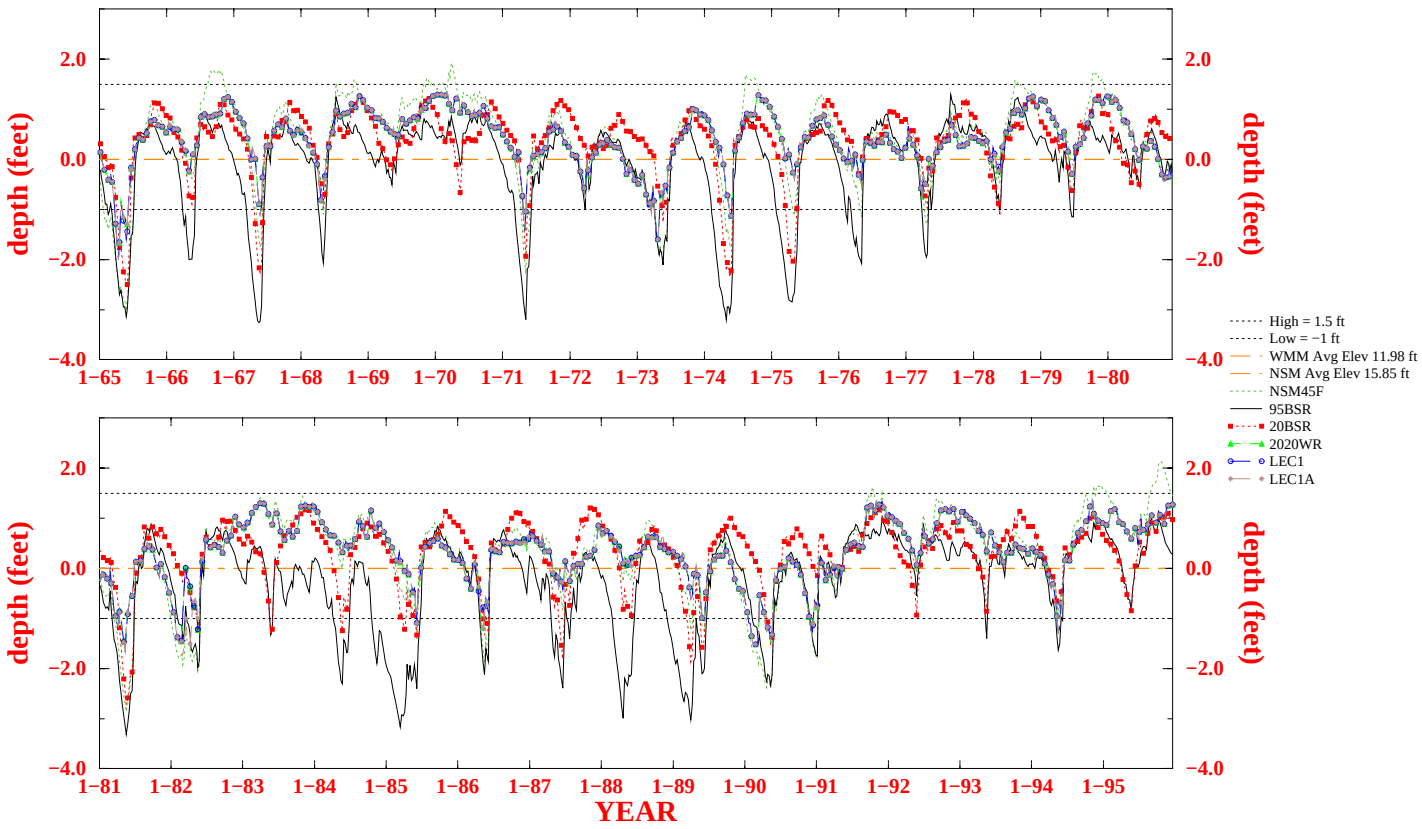


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

Normalized Weekly Stage Hydrograph for Rotenberger WMA

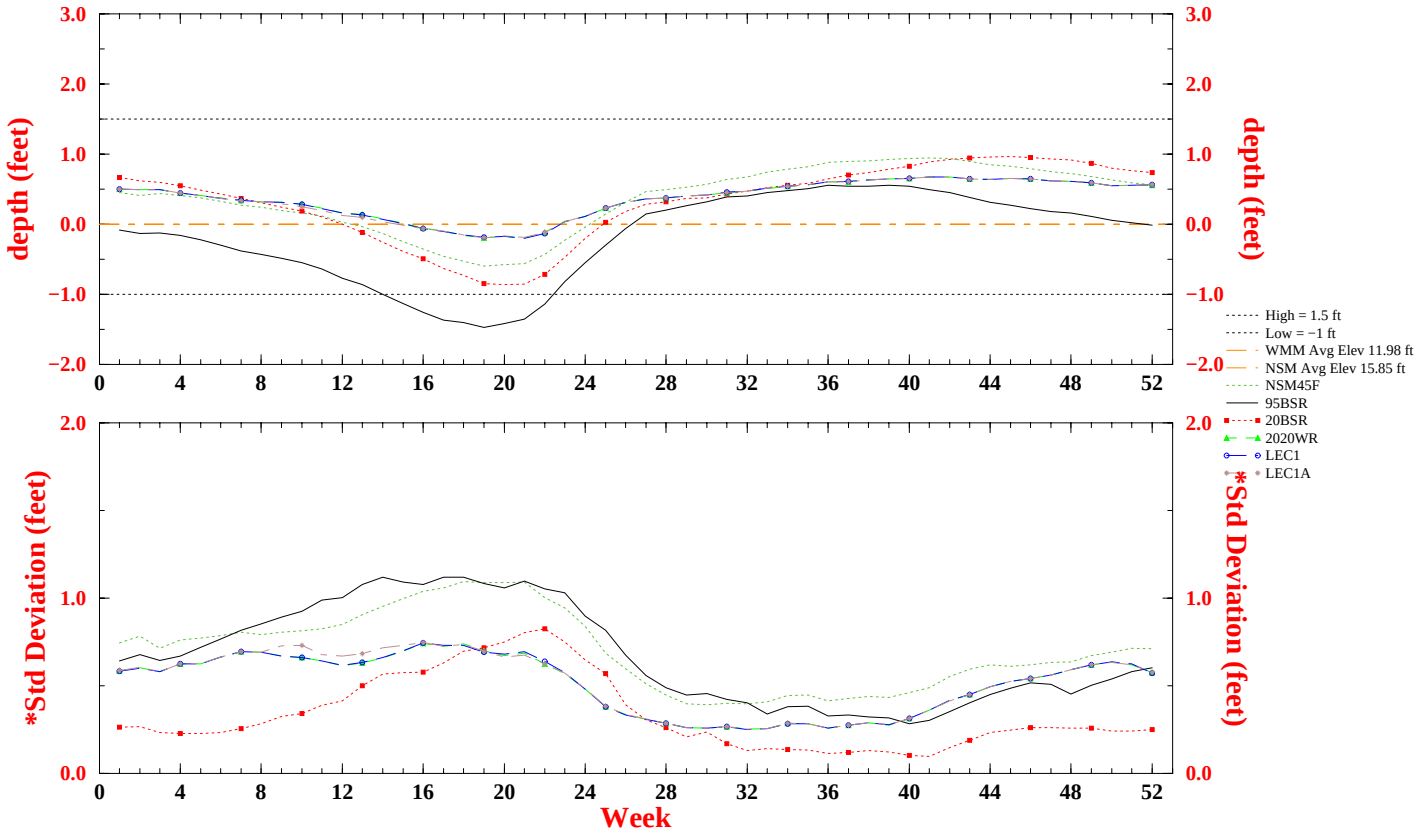
Indicator Region 28 (R43C15-16 R44C15-16 R45C15-16)



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

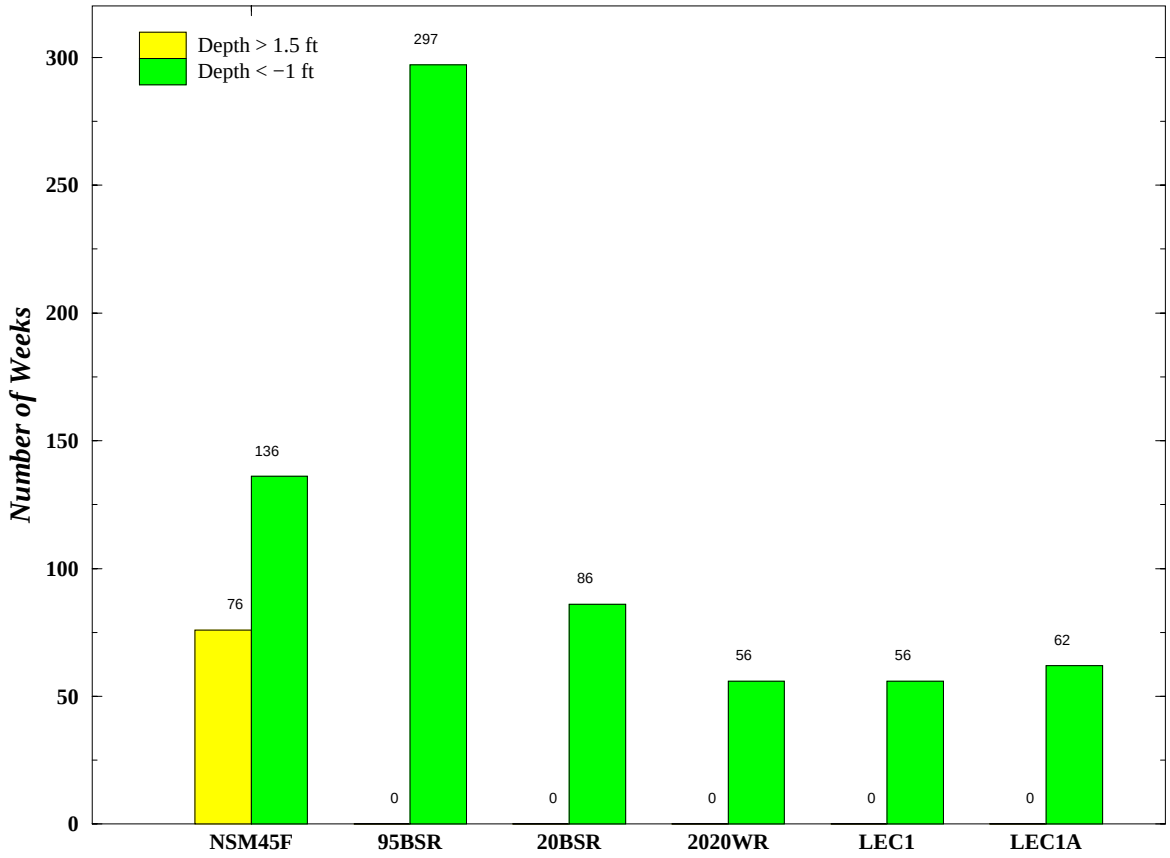
High/Low = 0 indicates criteria undefined for region

* 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)

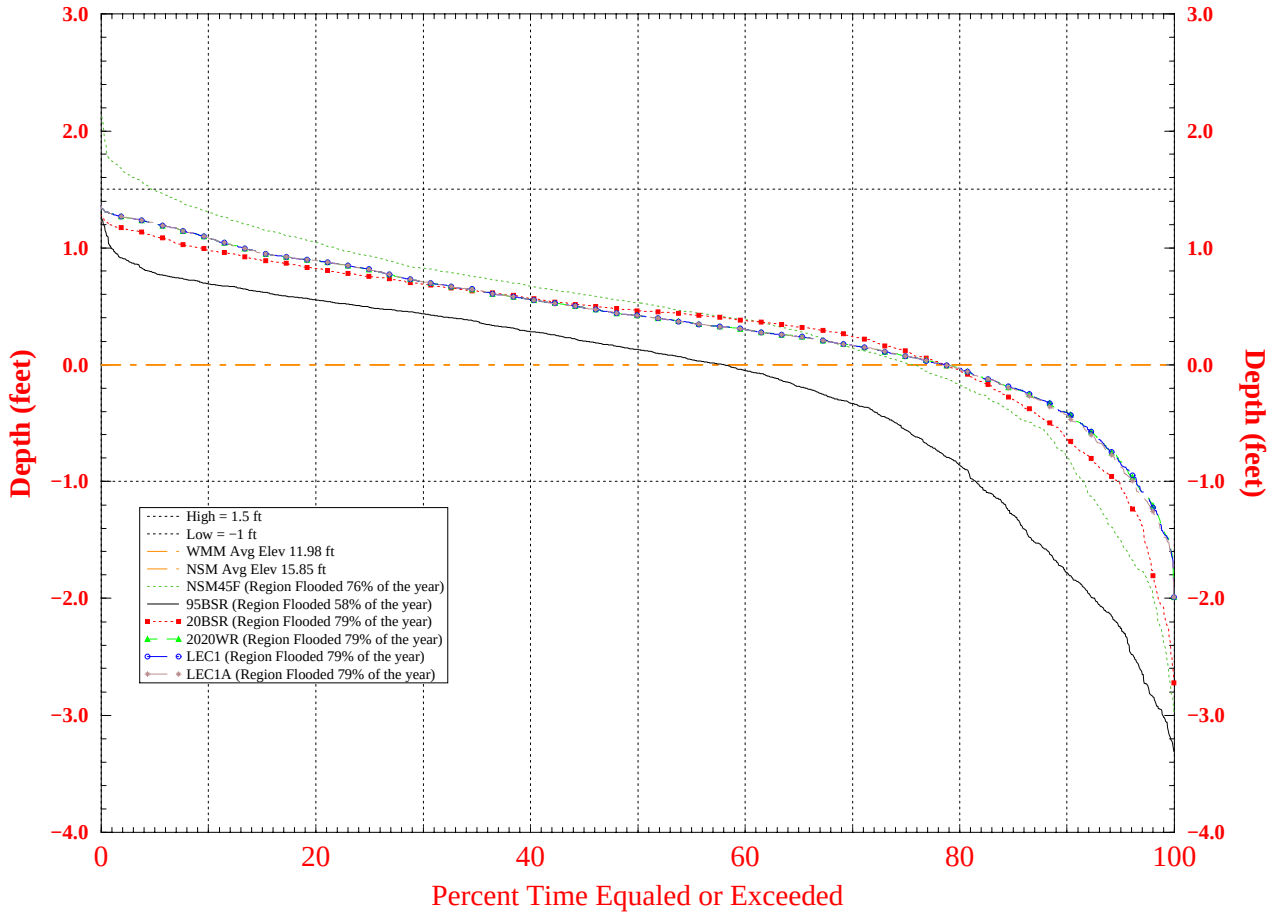


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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)

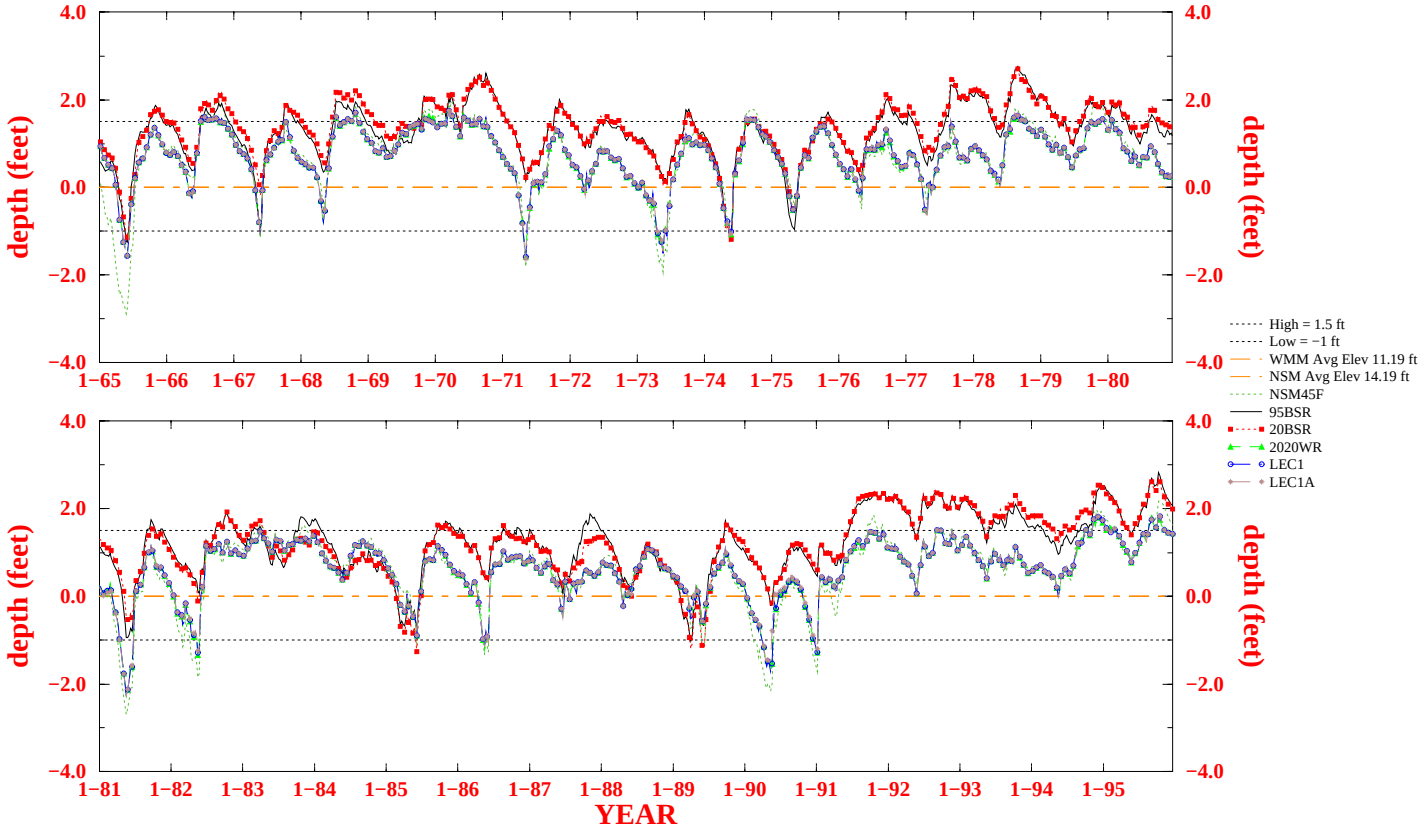


Note: Normalized stage is stage referenced to Land Elevation. Thus, values above zero indicate ponding while values below zero indicate depth to the water table.

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

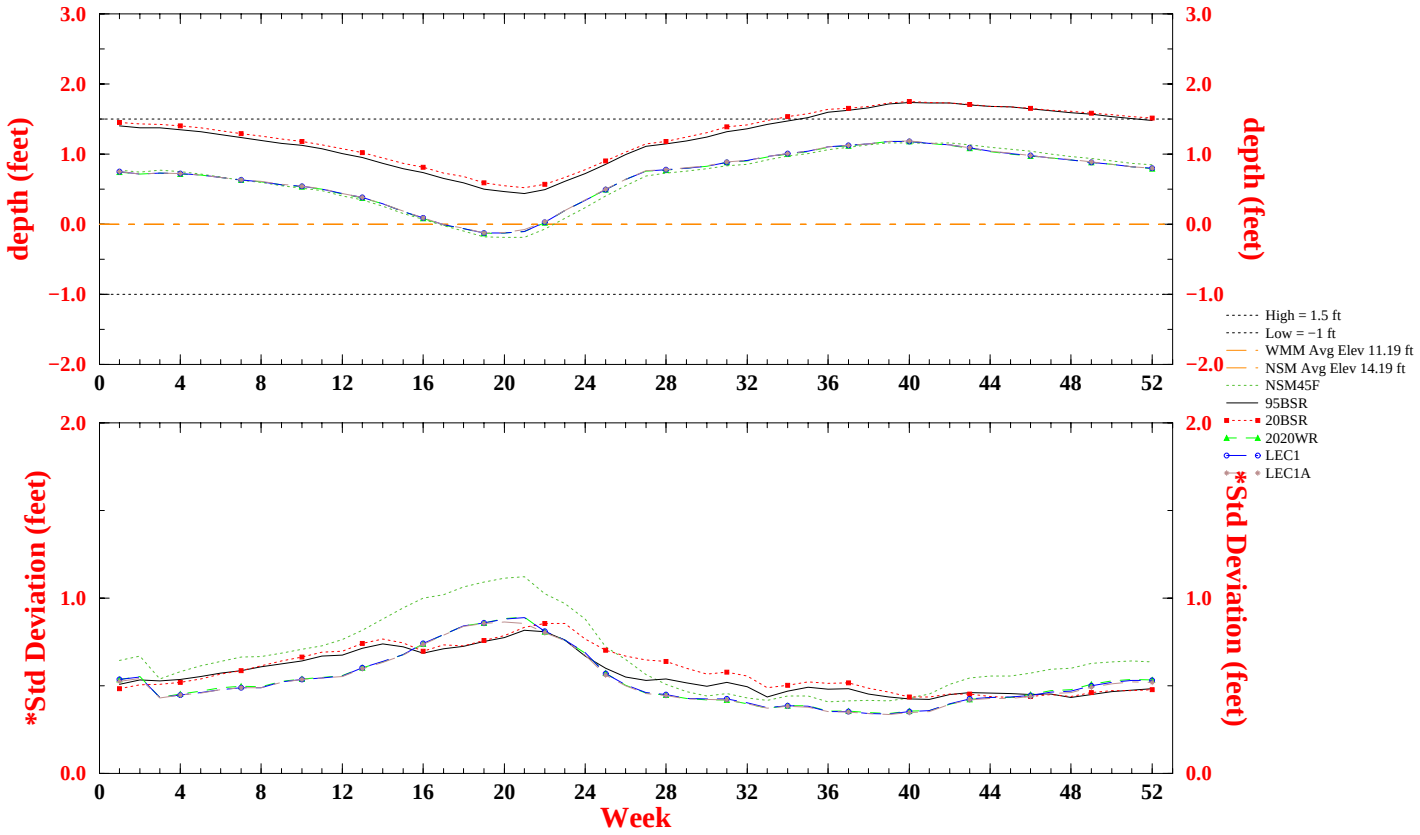
Indicator Region 29 (R42C19-20 R43C18-20 R44C18-19)



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

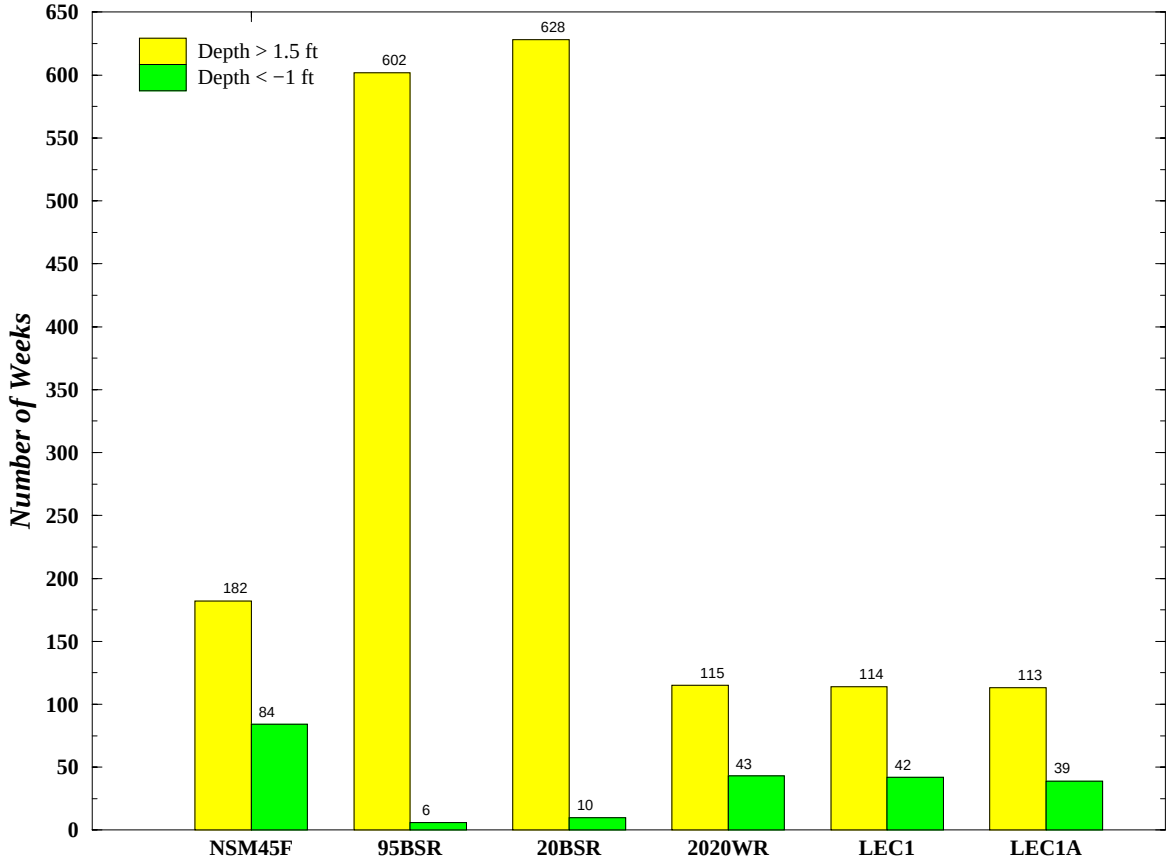
High/Low = 0 indicates criteria undefined for region

* 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)

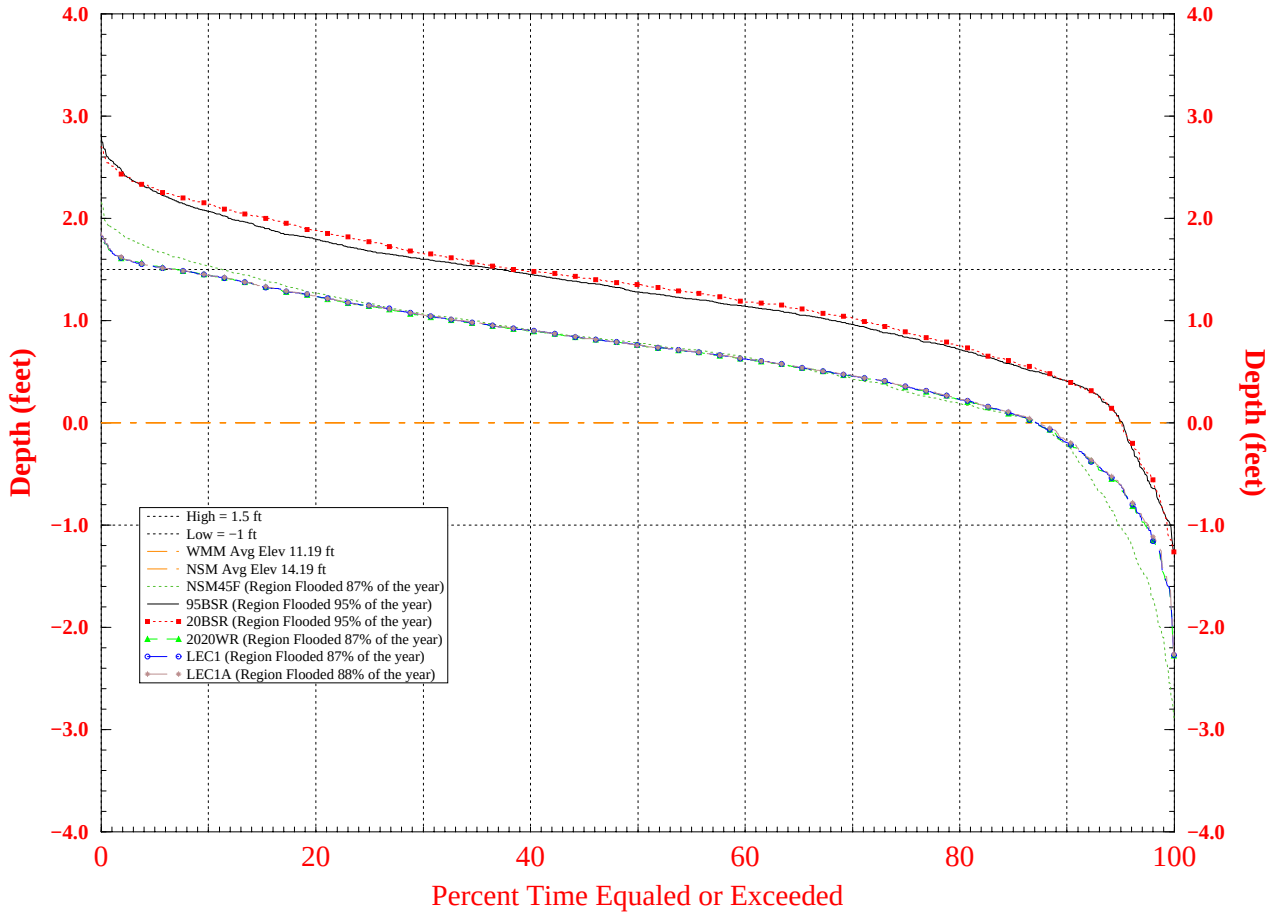


Note: The desired condition is to exceed the high water depth as few times as possible and go below the low water depth as few times as possible.

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

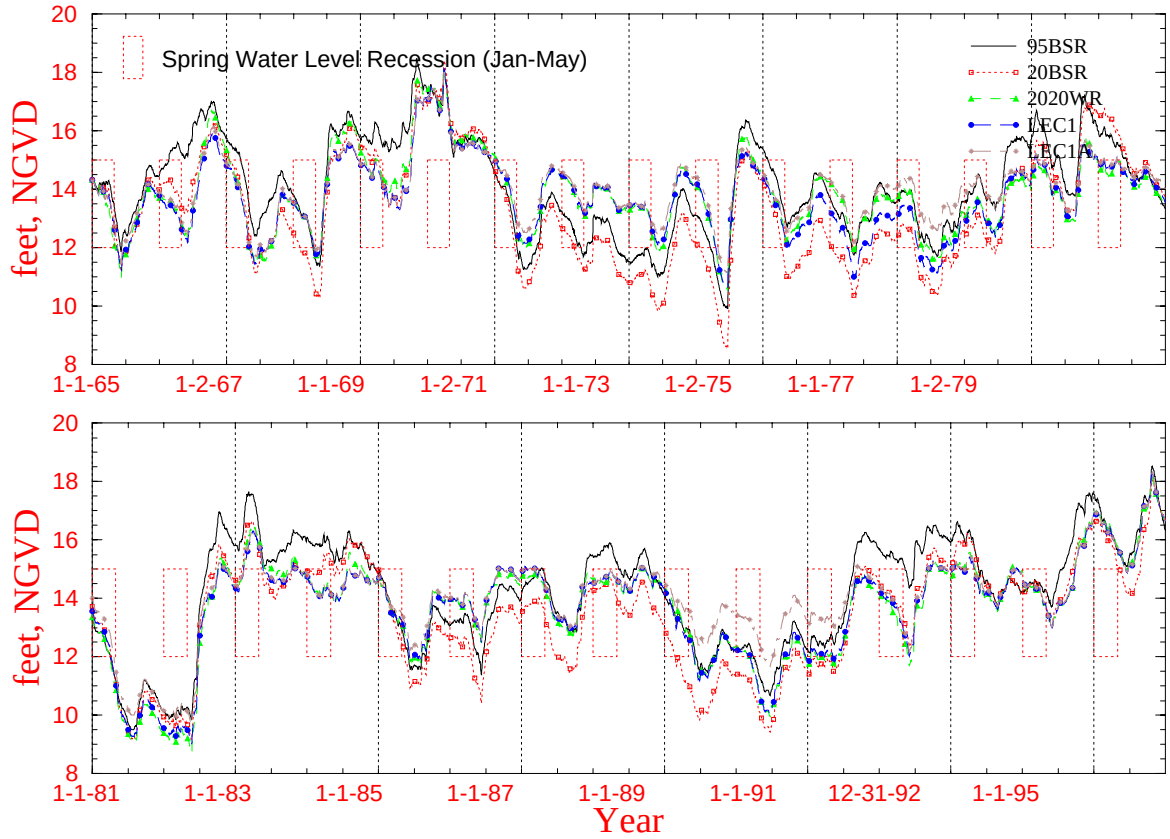
Indicator Region 29 (R42C19-20 R43C18-20 R44C18-19)



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.

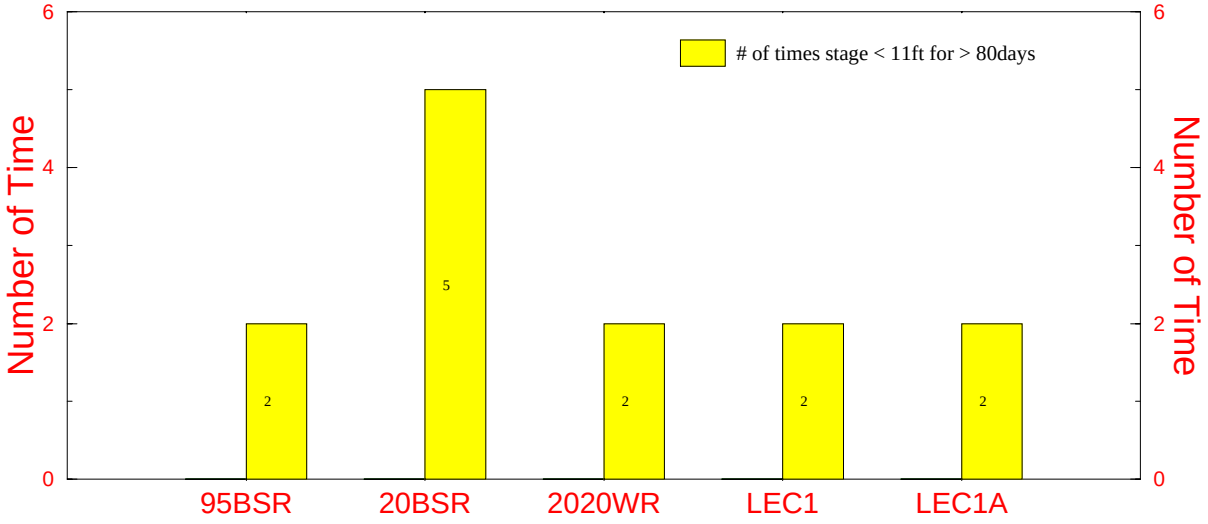
Run date: Fri Jan 28 22:03:45 EST 2000
For Planning Purposes Only
SFWMM V3.4

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

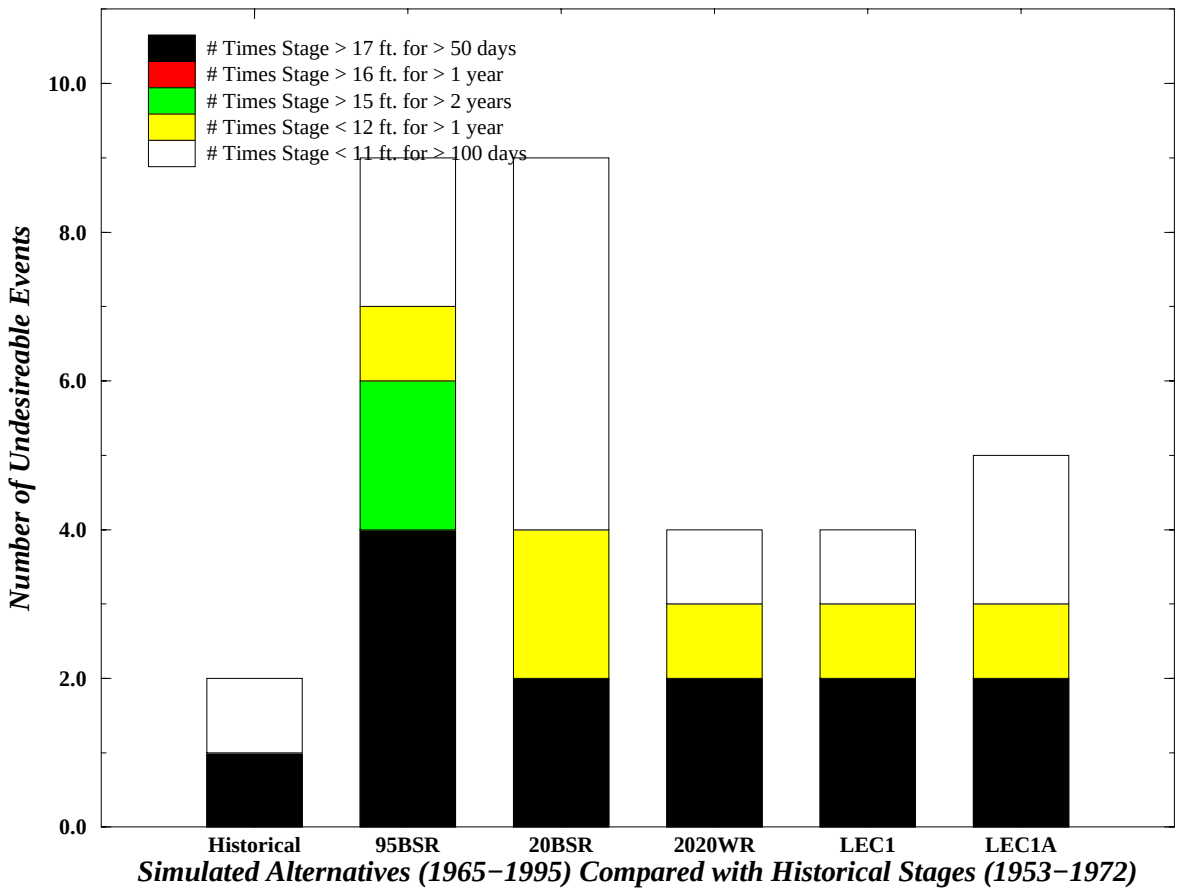


Note:

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).

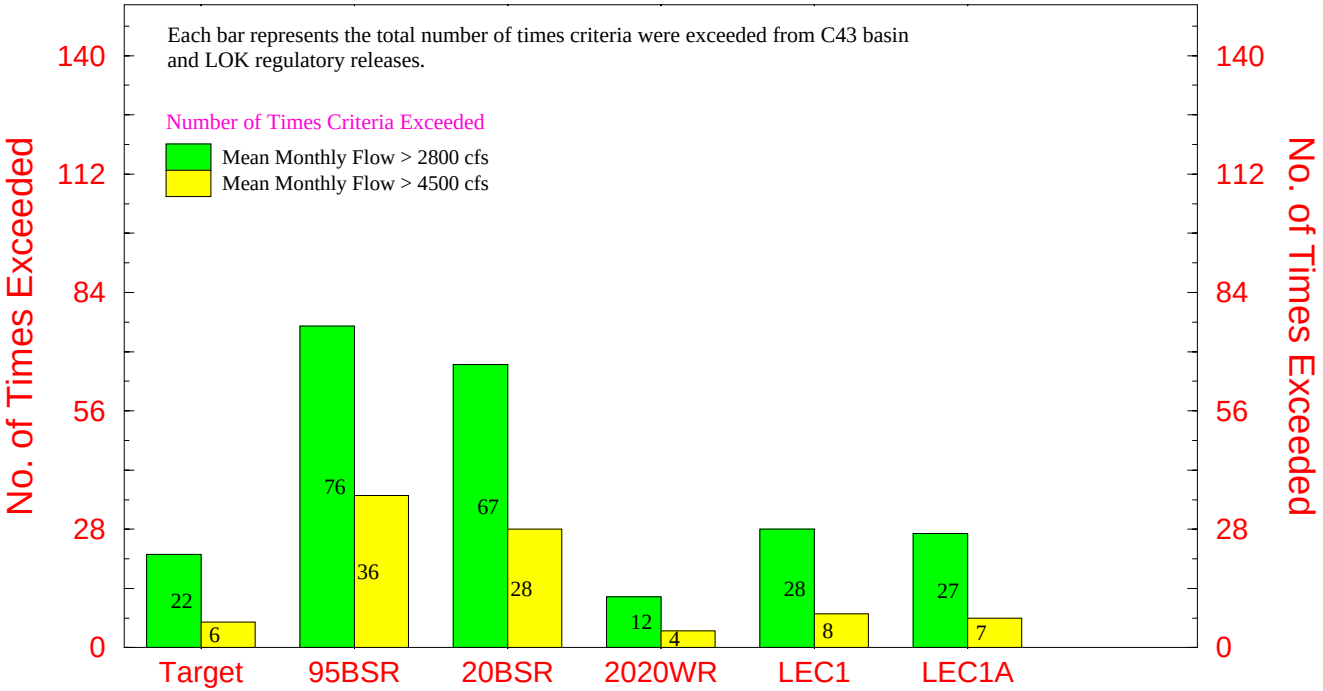
Run date: 01/28/00 17:32:18
For Planning Purposes Only
SFWMM V3.7

Number of Undesireable Lake Okeechobee Stage Events



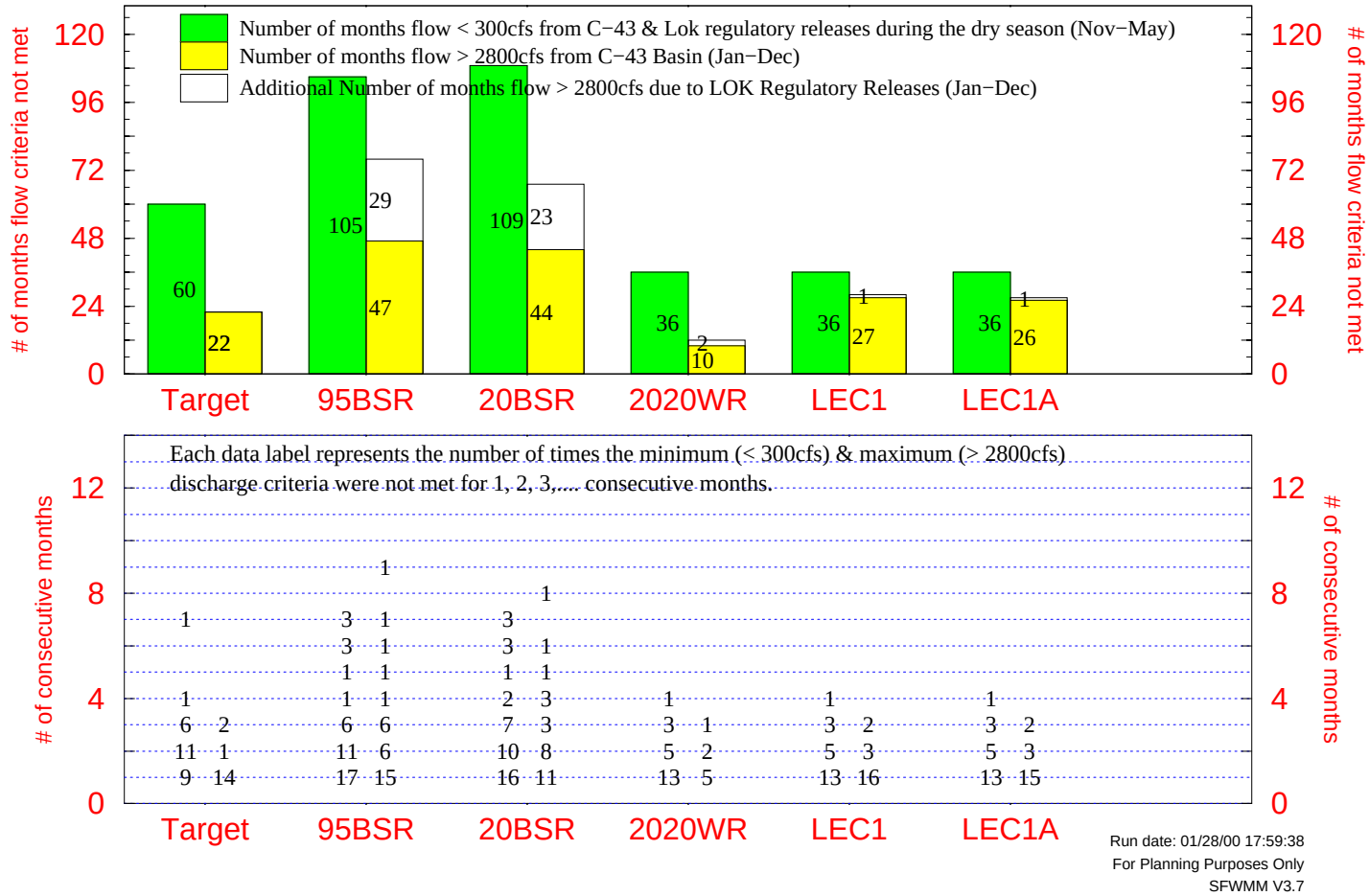
Run date: 01/28/00 21:09:04
For Planning Purposes Only
SFWMM V3.7

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



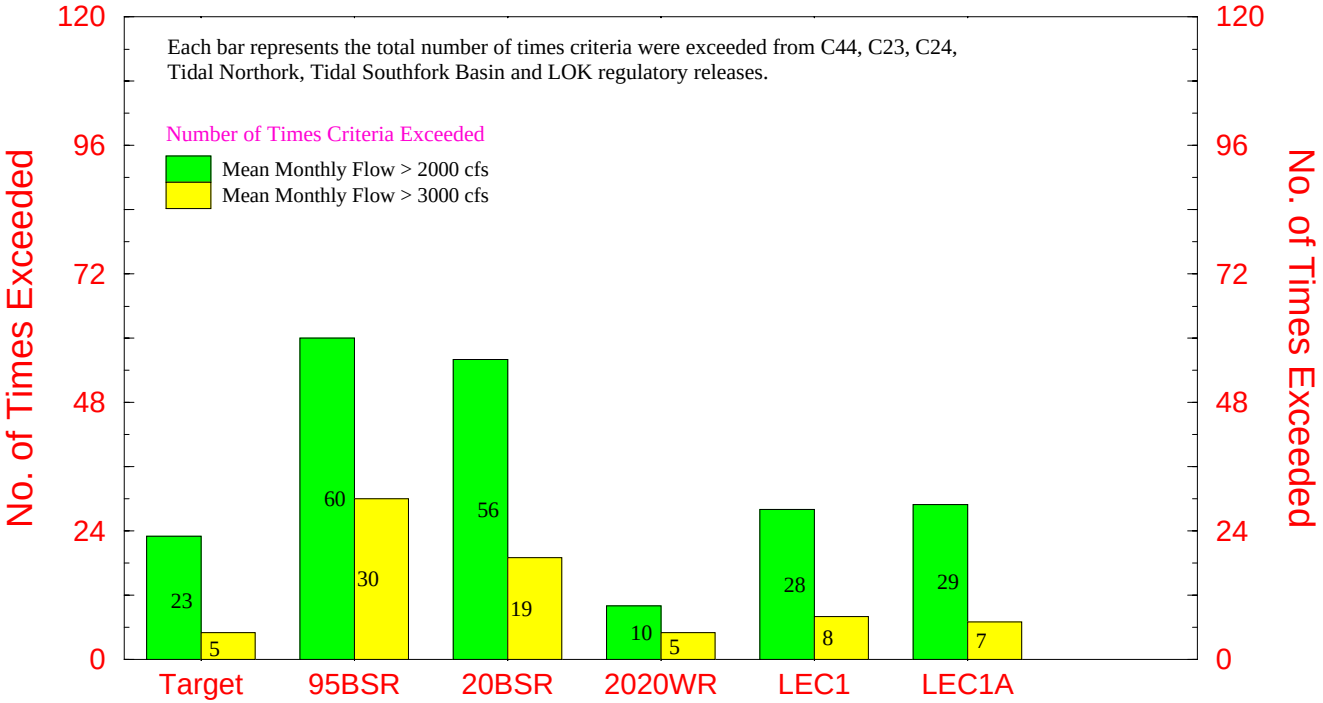
Run date: 01/28/00 17:59:39
For Planning Purposes Only
SFWMM V3.7

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

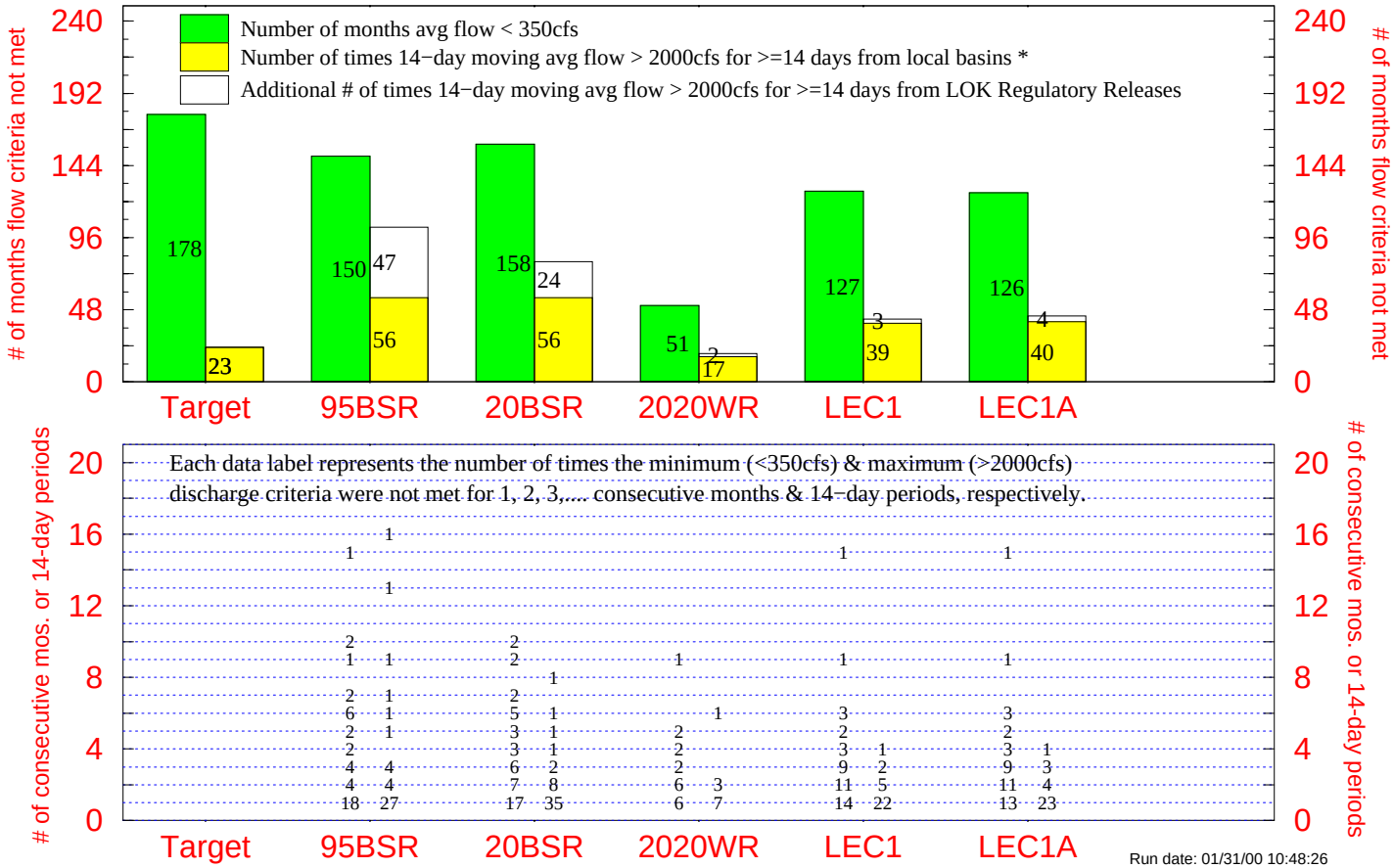
Number of Times High Discharge Criteria (mean monthly flows > 2000 & 3000 cfs) were exceeded for the St. Lucie Estuary



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

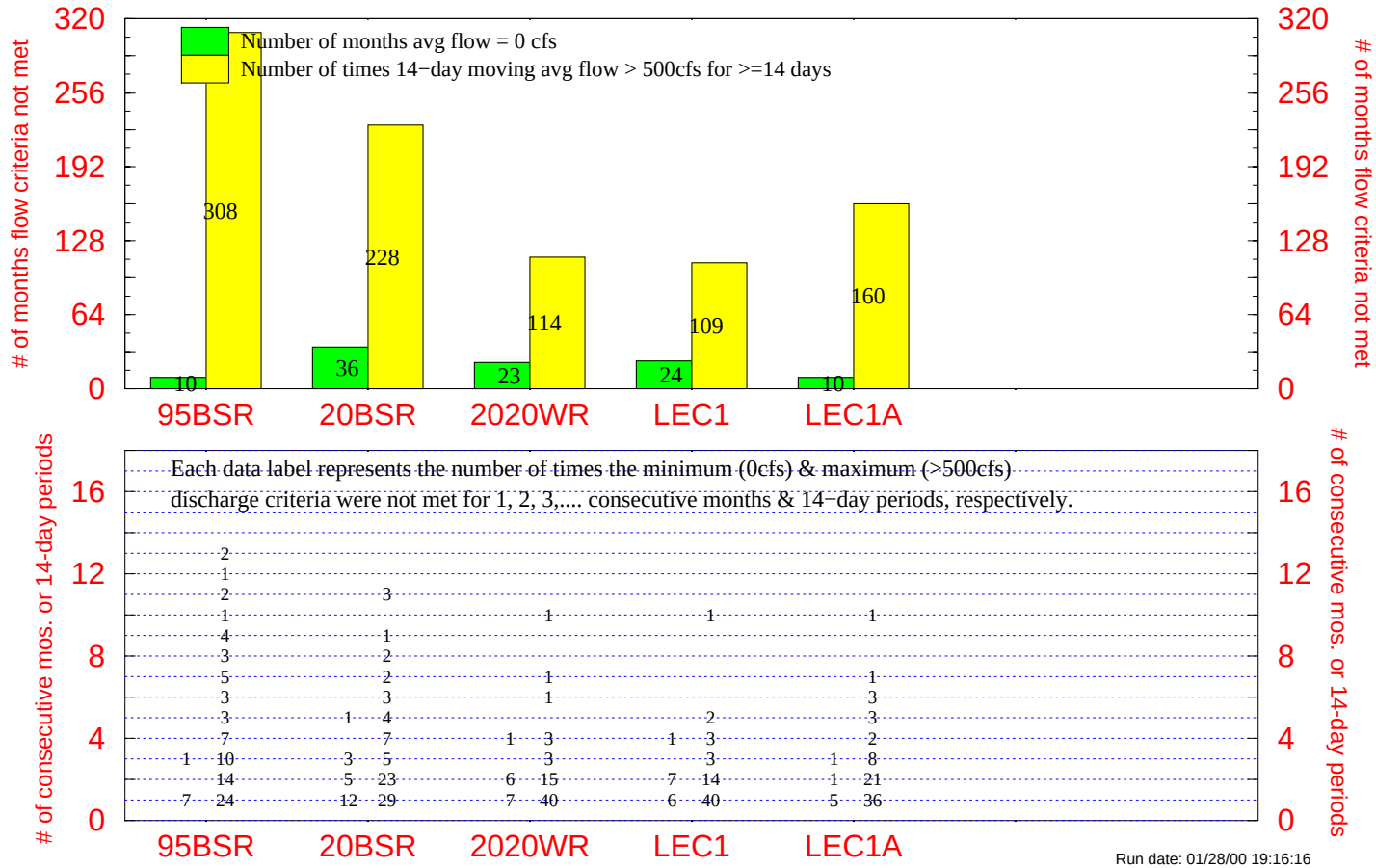
Number of times Salinity Envelope Criteria were NOT met for the St. Lucie Estuary



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

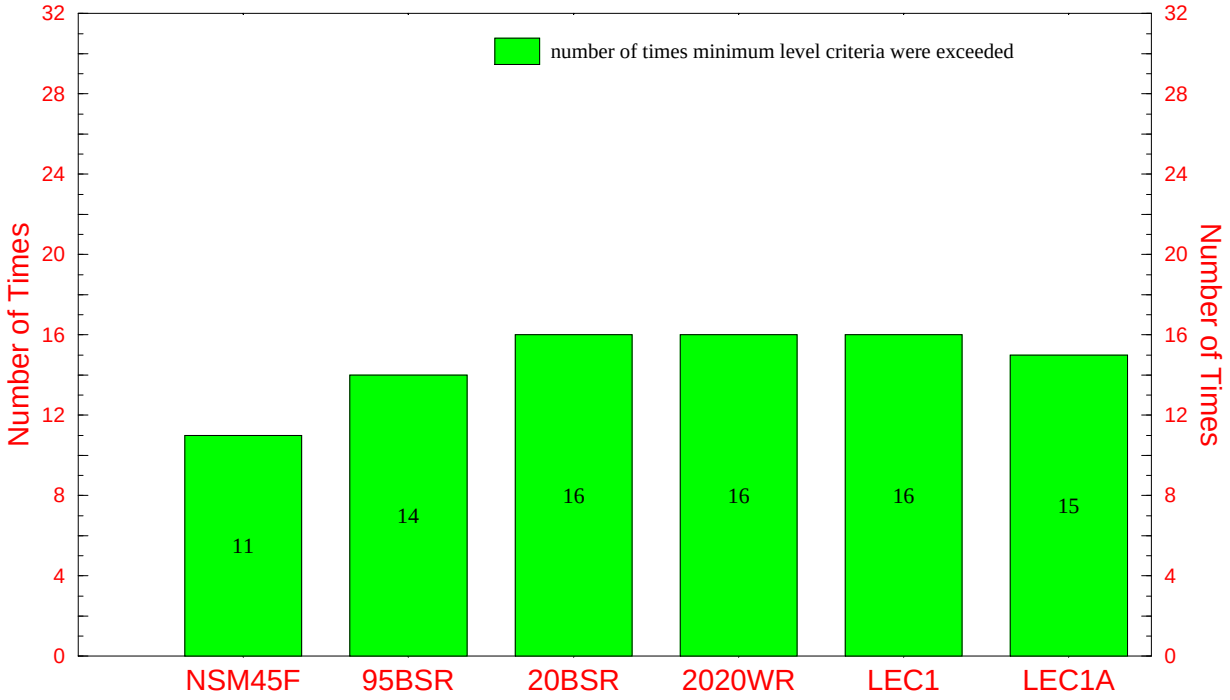
Run date: 01/31/00 10:48:26
For Planning Purposes Only
SFWMM V3.7

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)

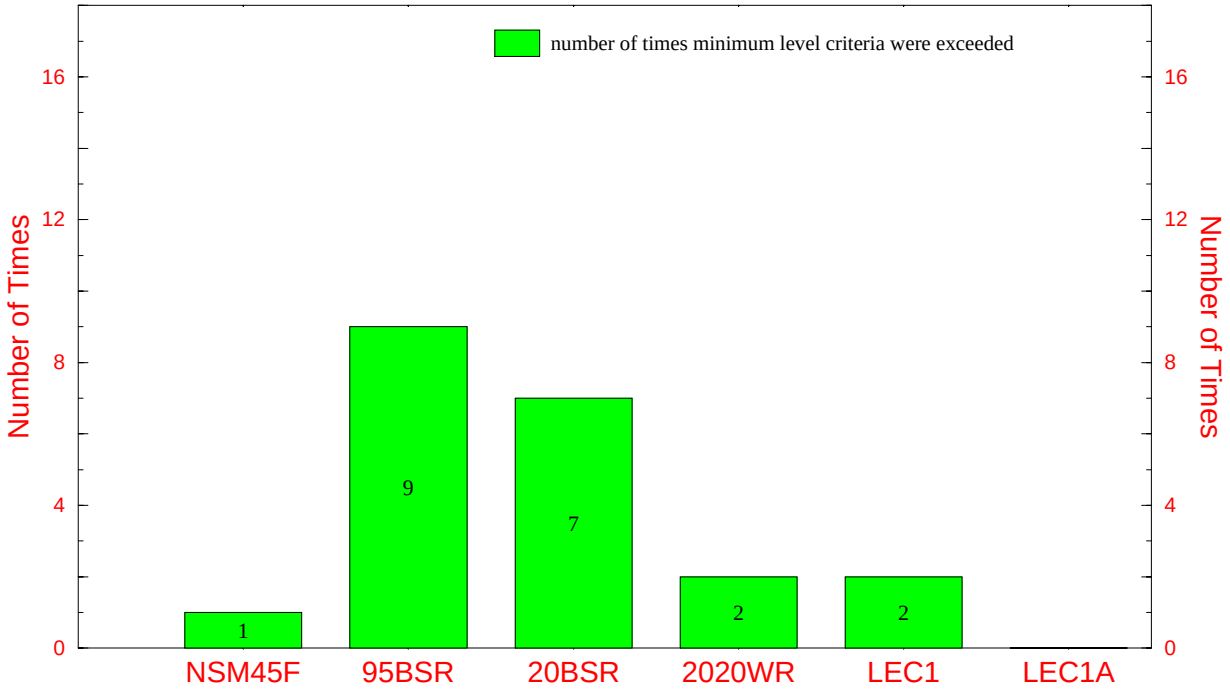


*Minimum level criteria: Stage falls below ground elevation for at least 90 days and stage falls below the minimum level (1.5 ft) at least one day during the same interval.

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)

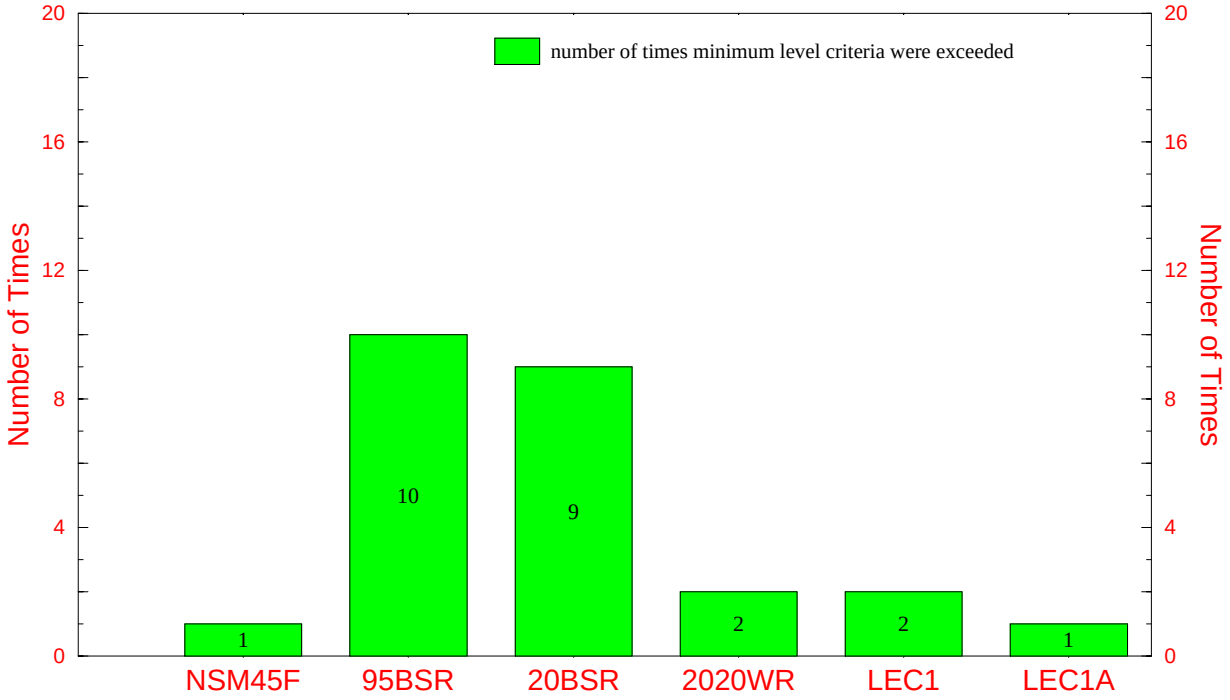


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

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)

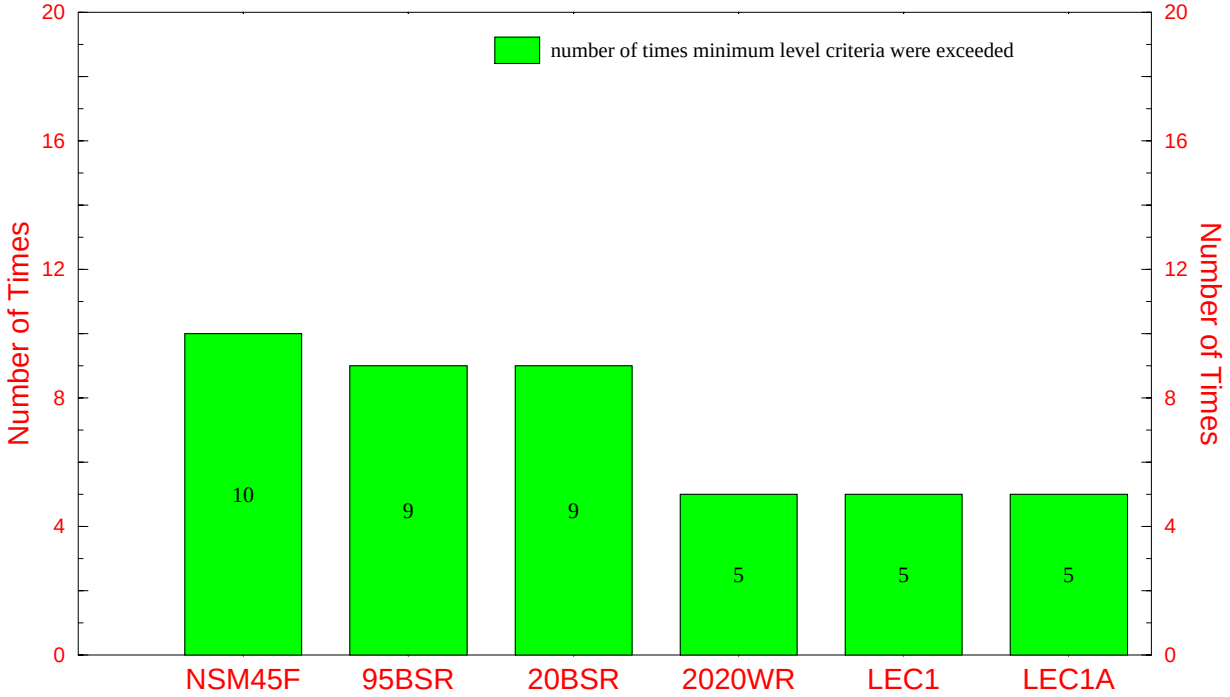


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

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)

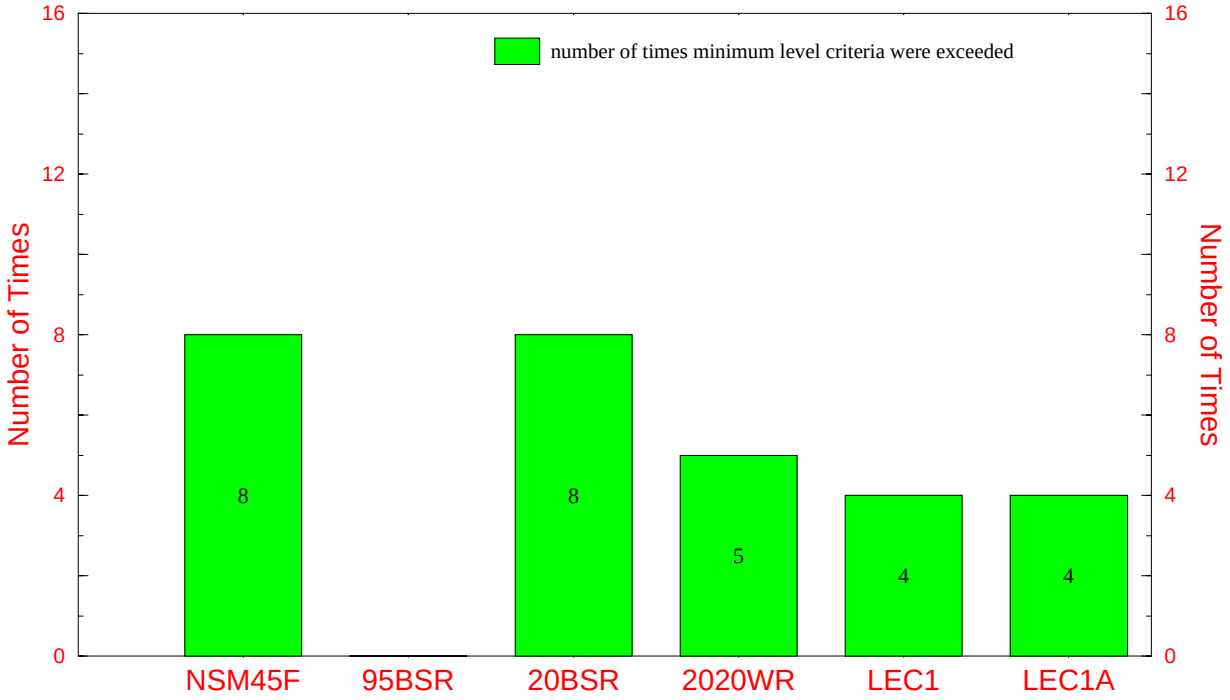


*Minimum level criteria: Stage falls below ground elevation for at least 90 days and stage falls below the minimum level (1.5 ft) at least one day during the same interval.

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)

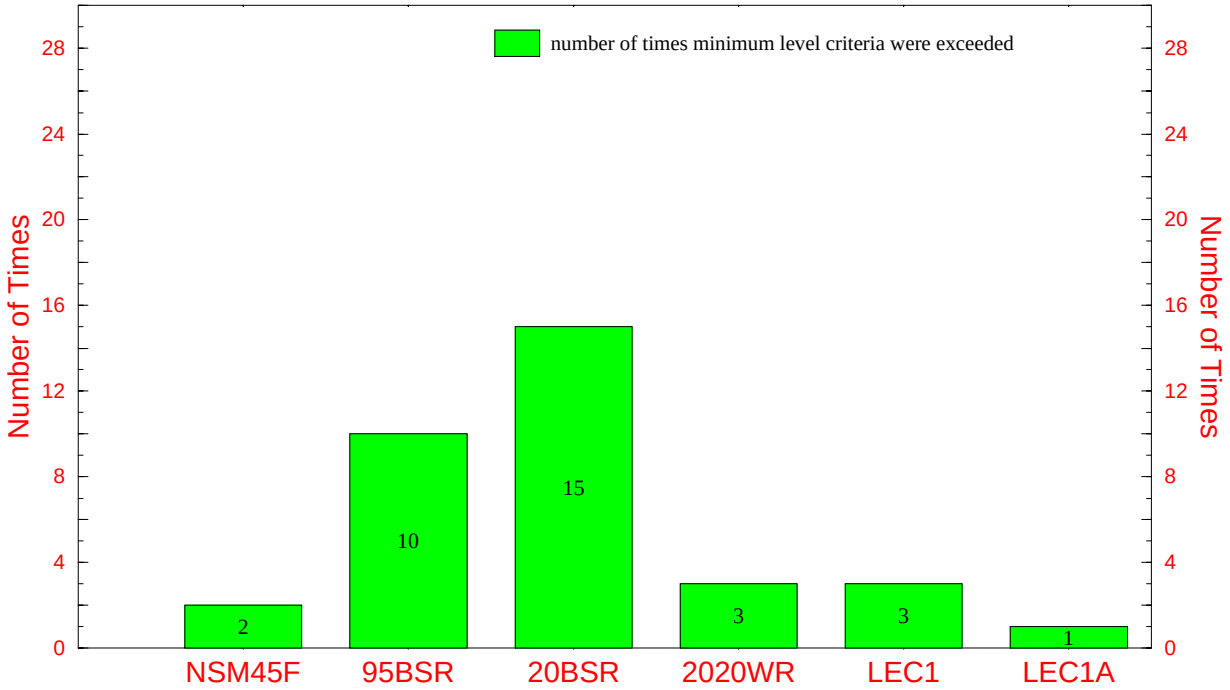


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

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)

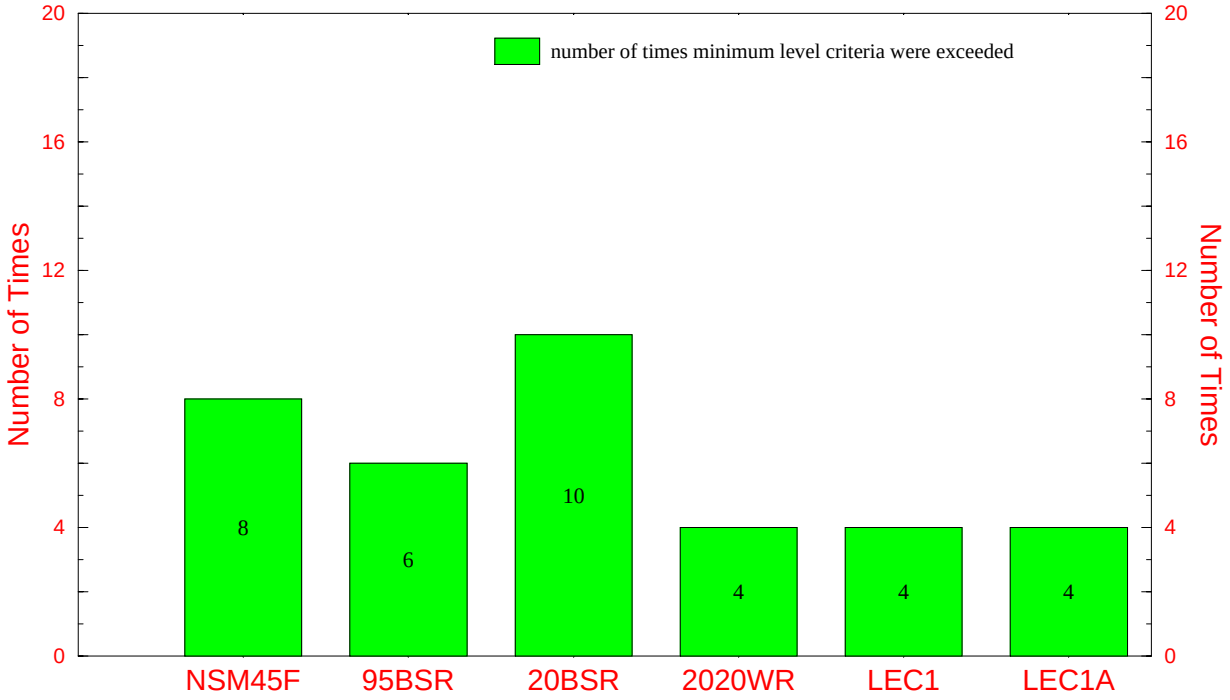


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

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)

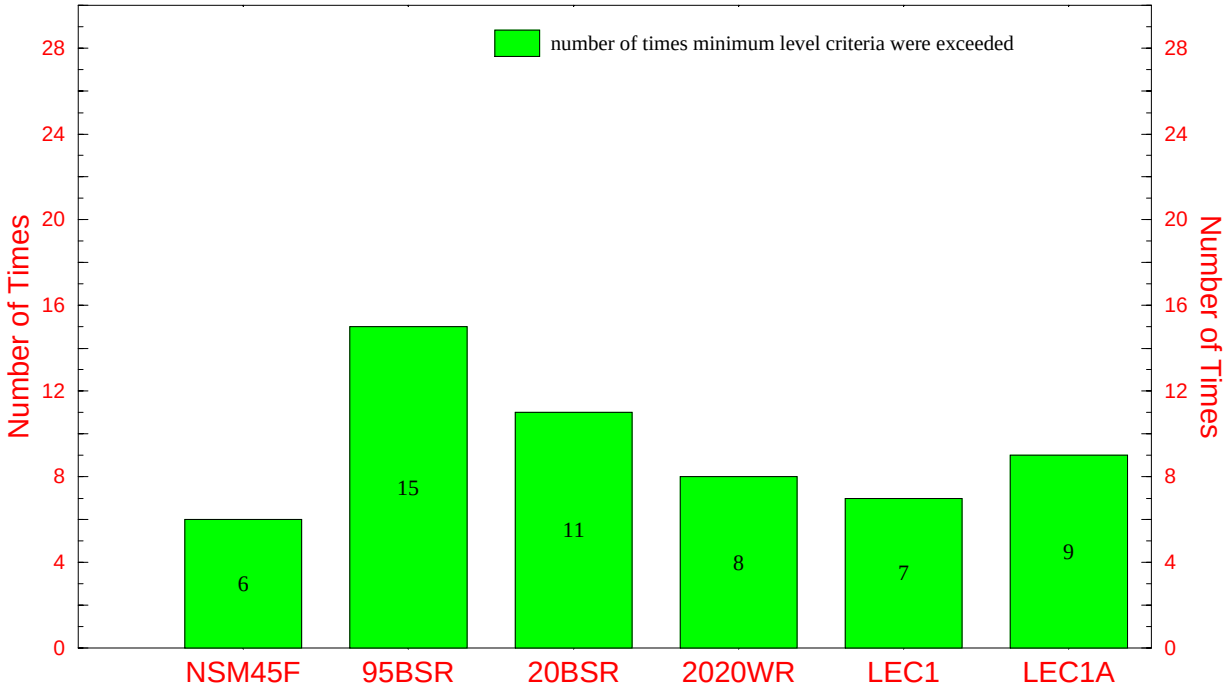


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

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)

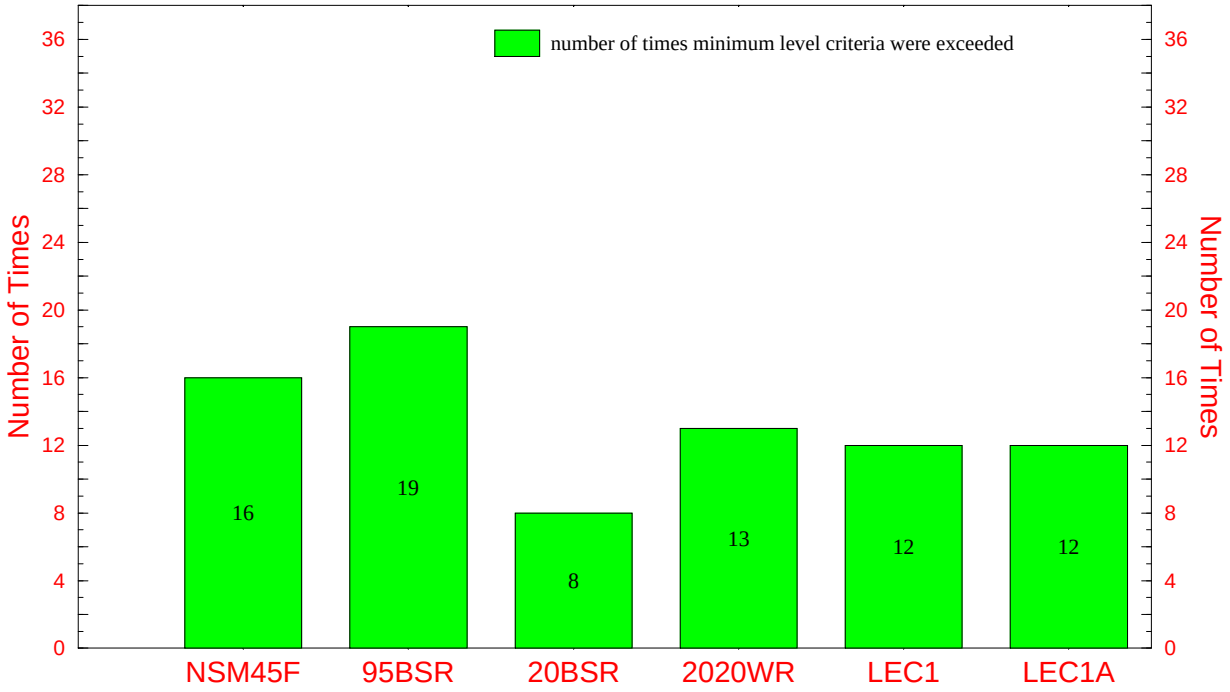


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

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)

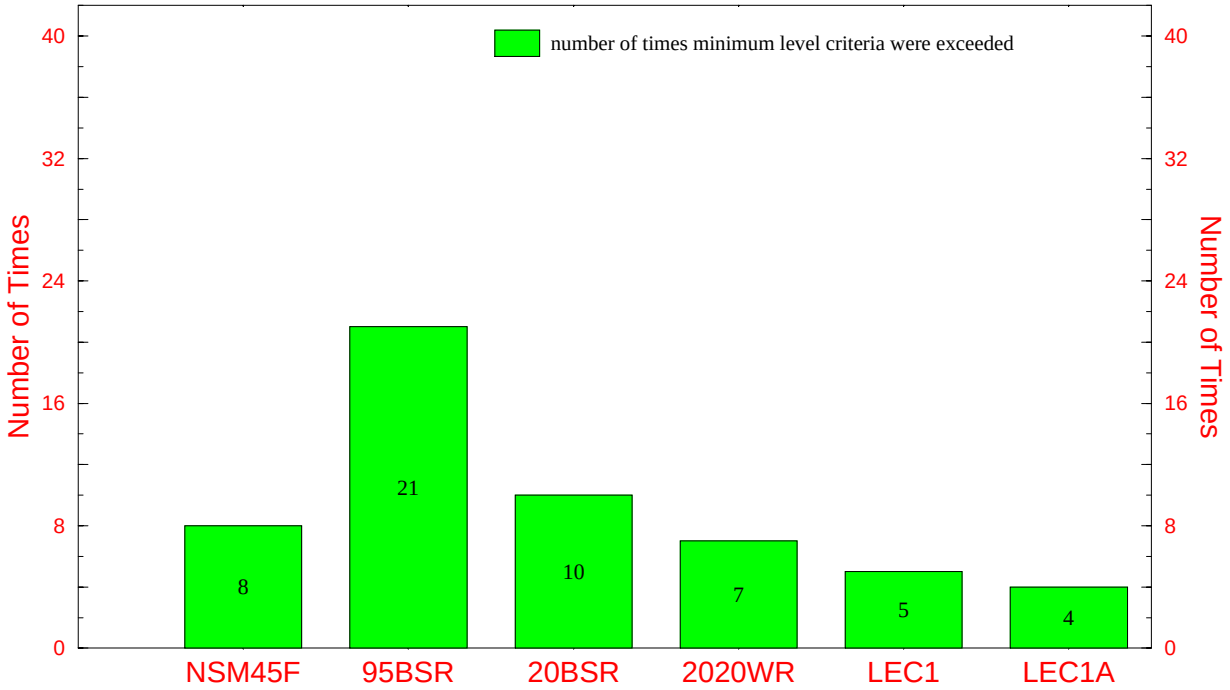


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

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)

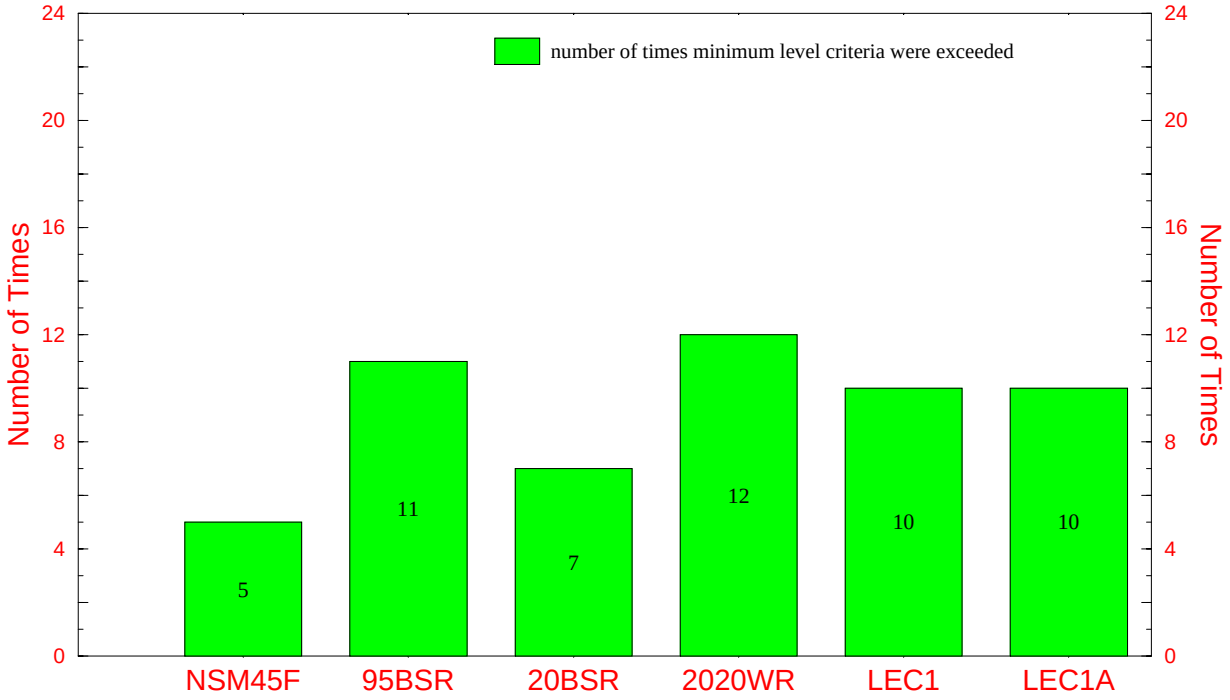


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

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)

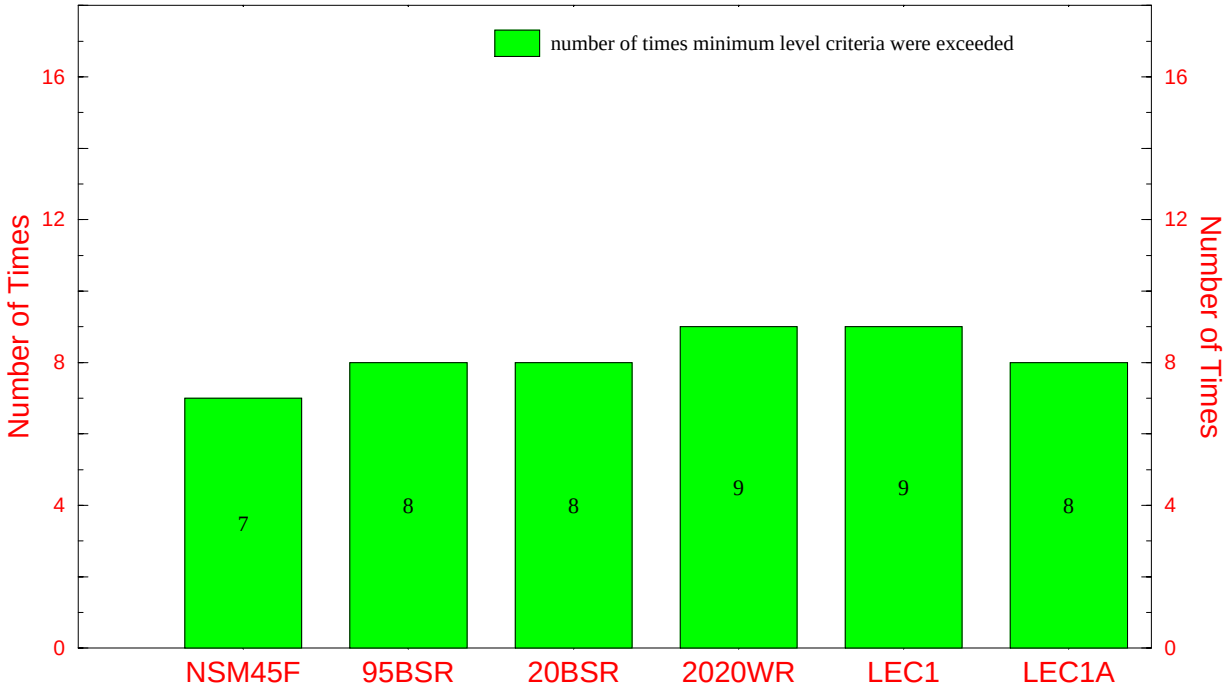


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

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)

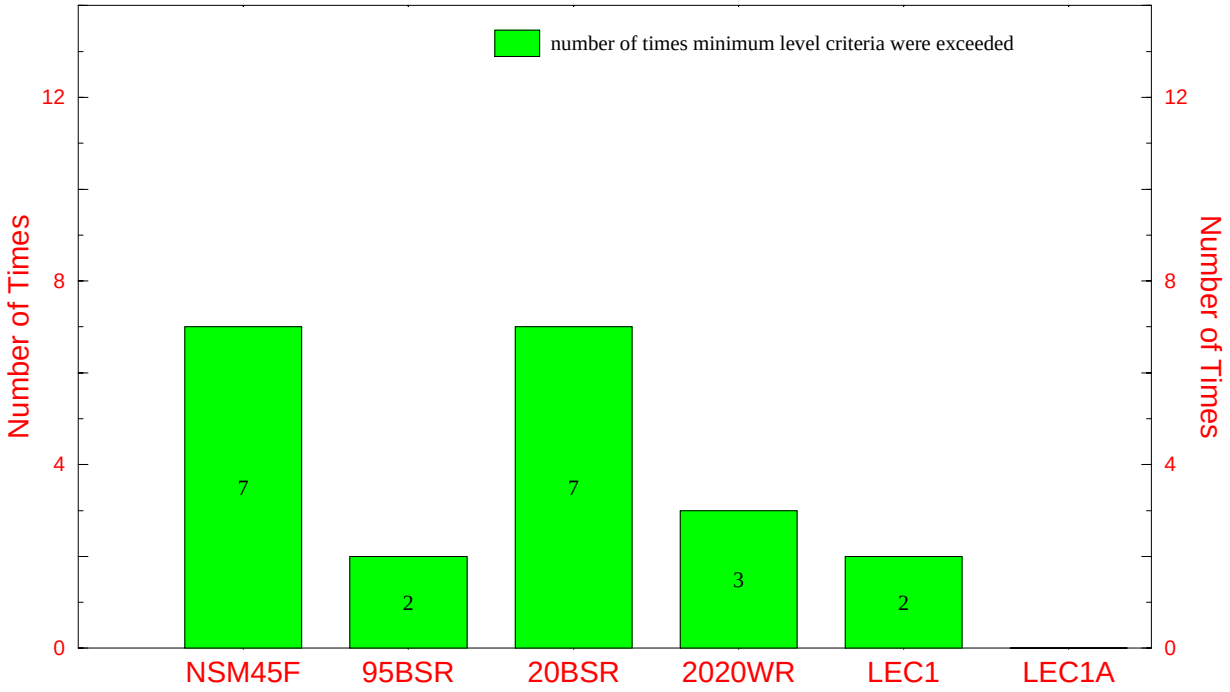


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

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)

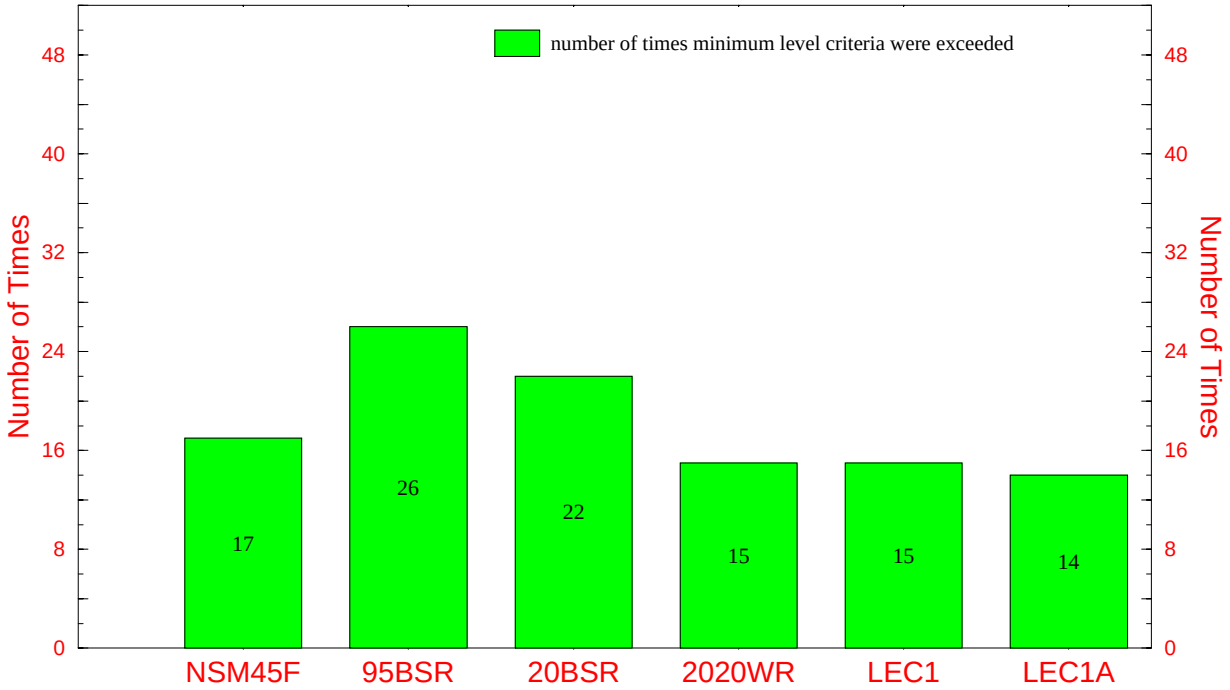


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

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)

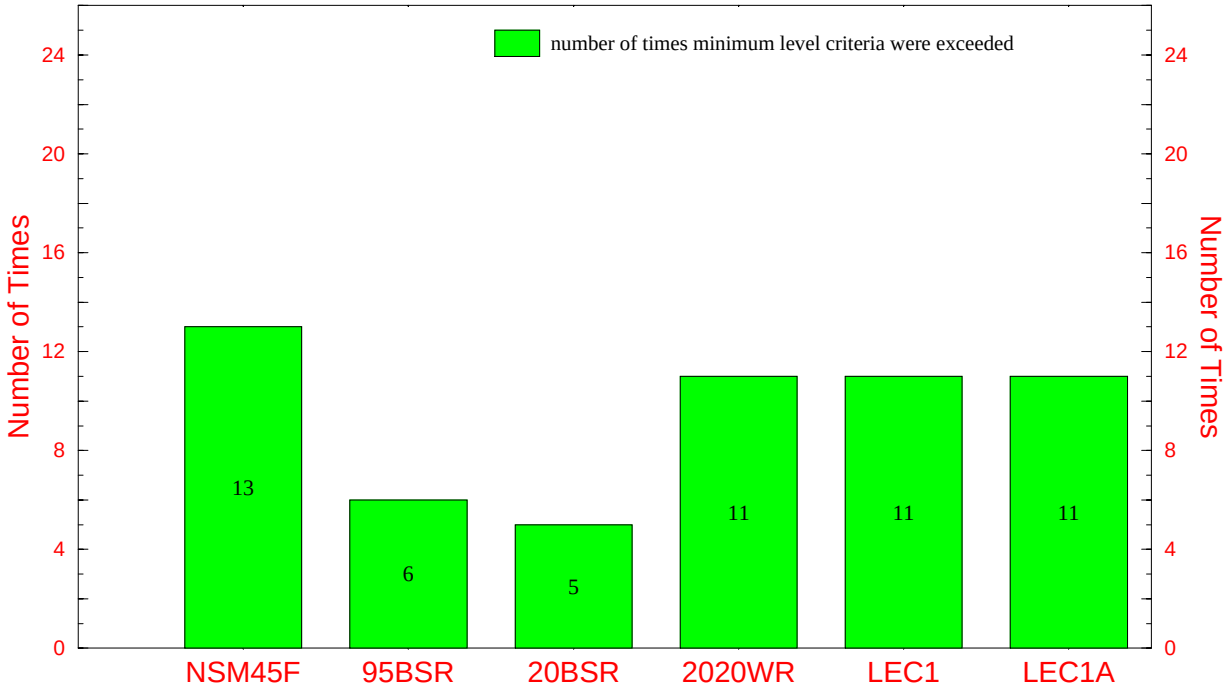


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

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)

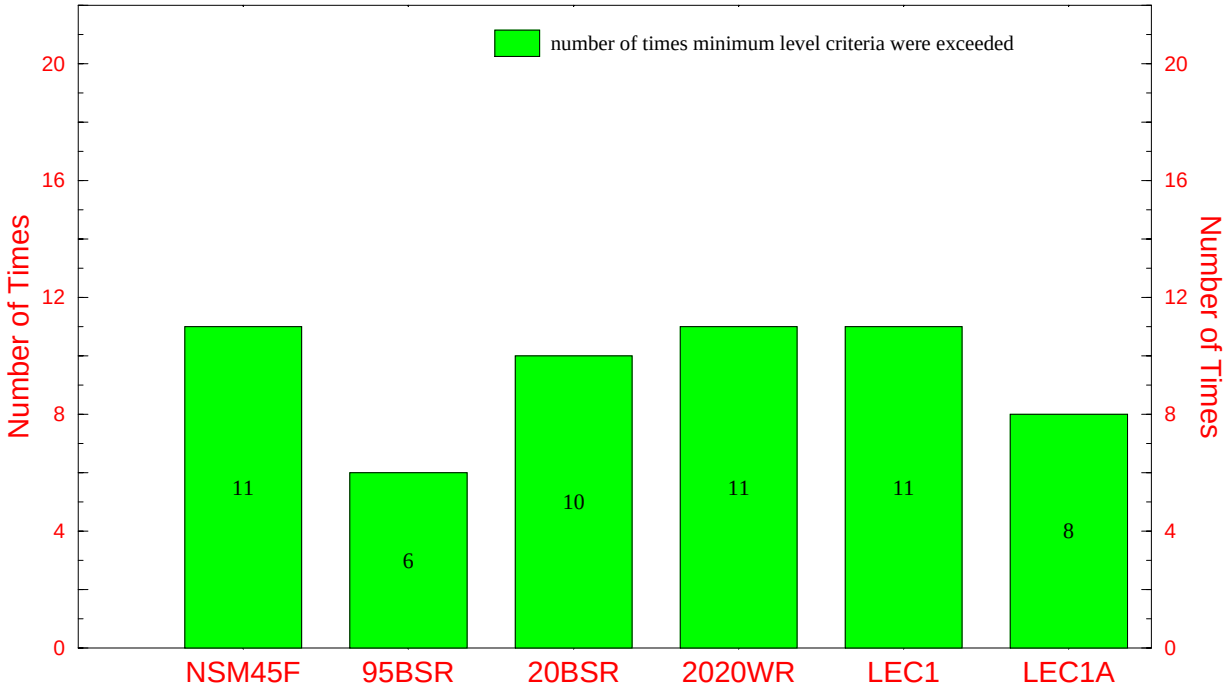


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

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)

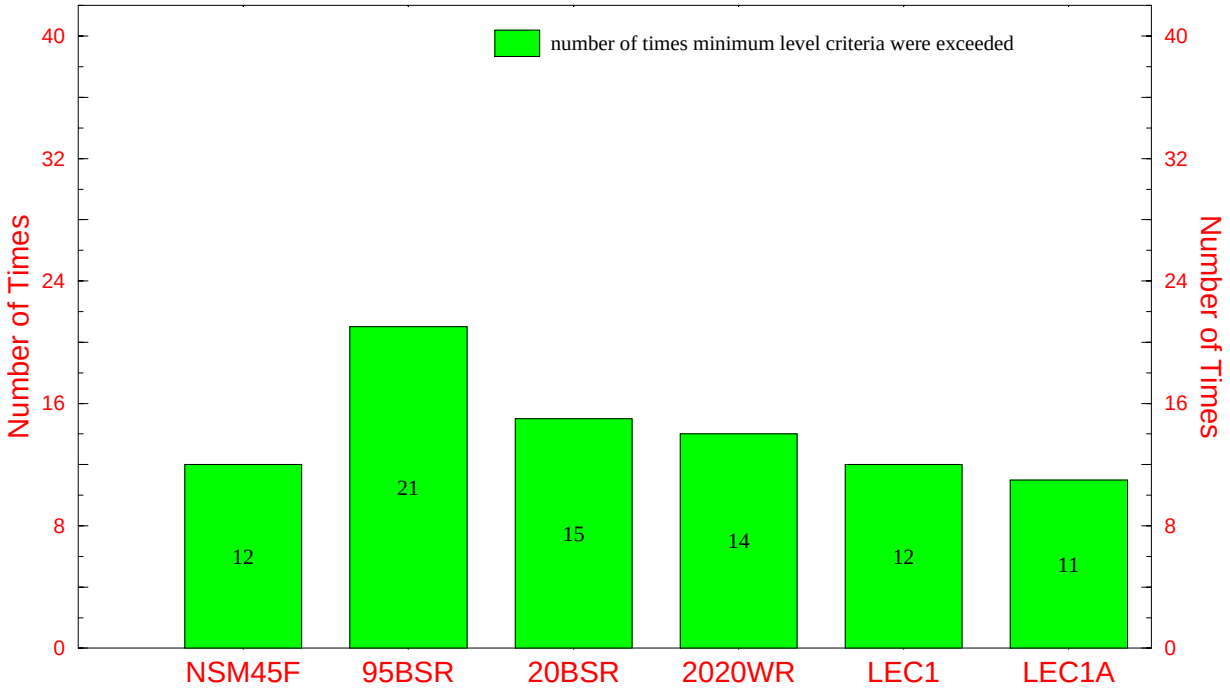


*Minimum level criteria: Stage falls below ground elevation for at least 30 days and stage falls below the minimum level (1 ft) at least one day during the same interval.

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)

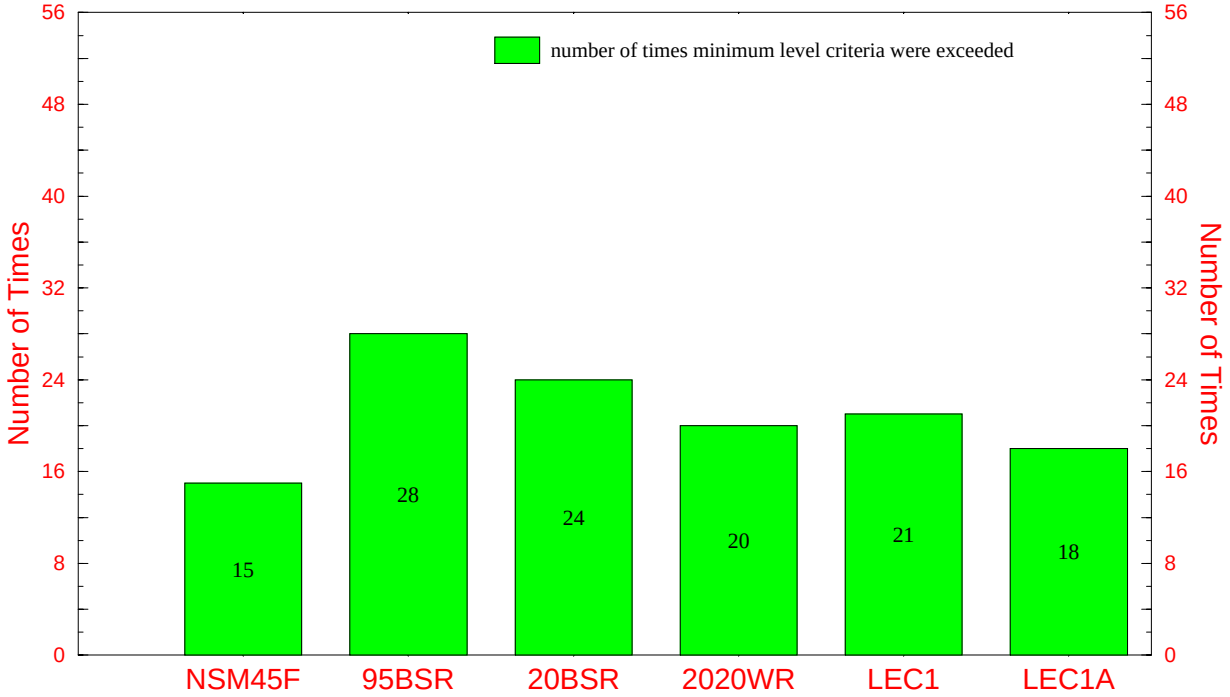


*Minimum level criteria: Stage falls below ground elevation for at least 90 days and stage falls below the minimum level (1.5 ft) at least one day during the same interval.

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)

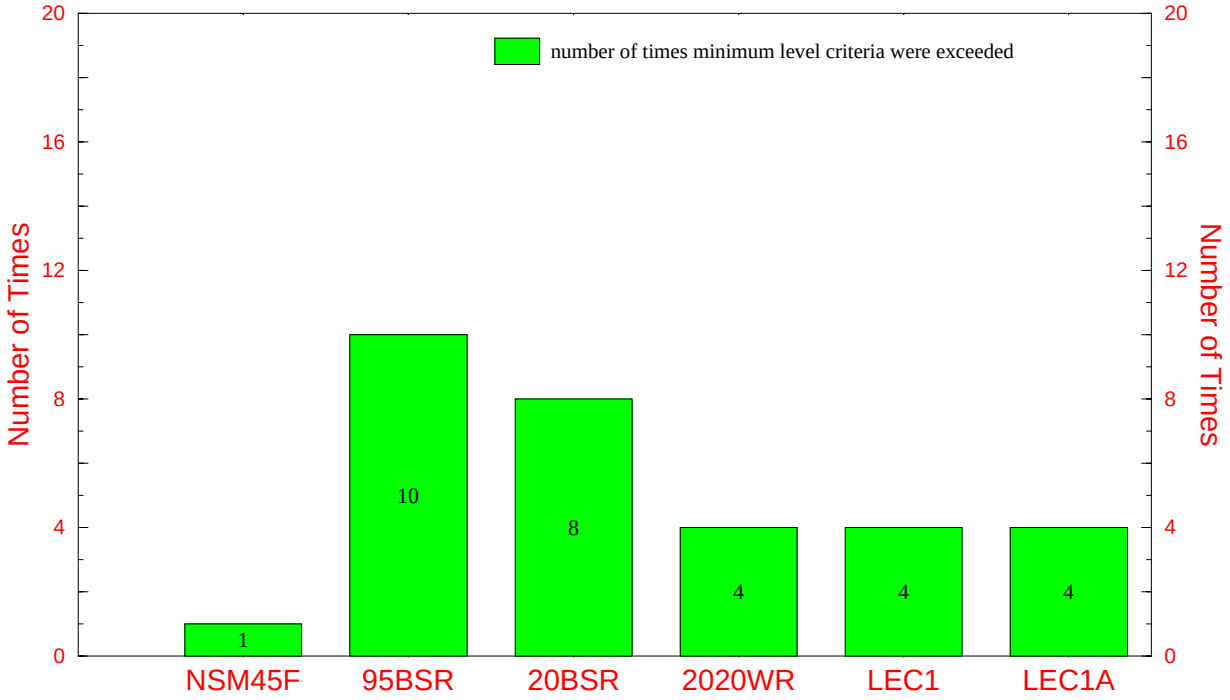


*Minimum level criteria: Stage falls below ground elevation for at least 90 days and stage falls below the minimum level (1.5 ft) at least one day during the same interval.

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)

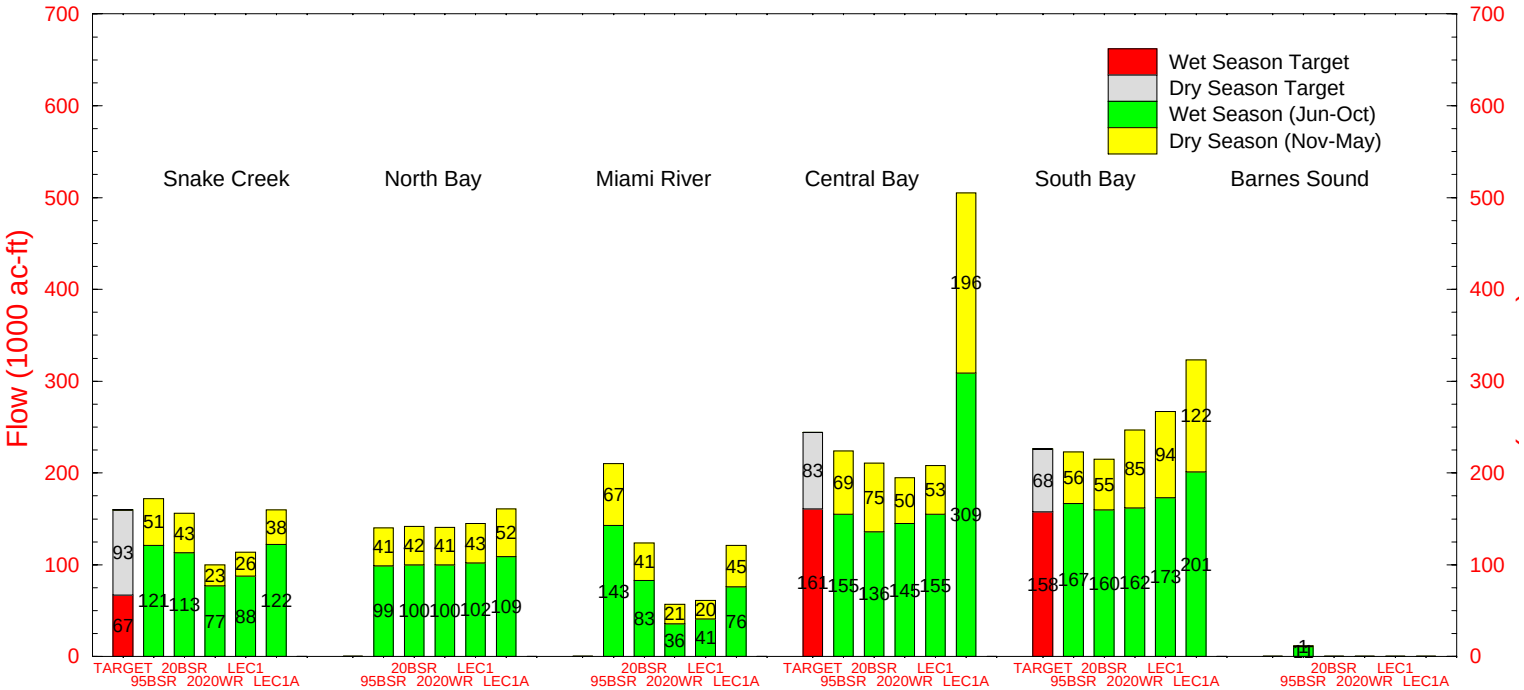
Indicator Region 9 (R13C16-17 R14C17-18 R15C18-18)



*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



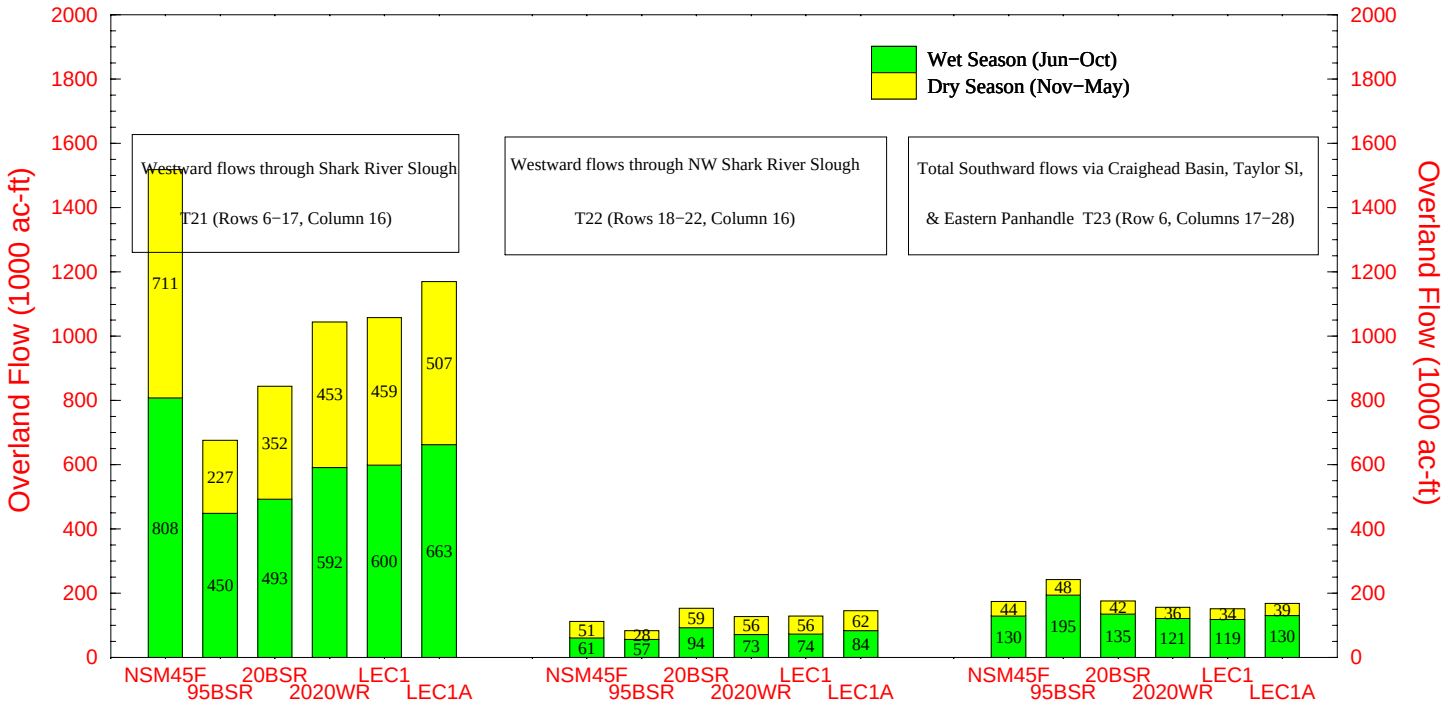
Note: Snake Creek=S29; North Bay=G58+S28+S27; Miami River=S26+S25B+S25; Central=G97+S22+S123; South=S21+S21A+S20F+S20G; Barnes Sound=S197

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