

Wertheim NWR Water Management Demonstration Project Data Report
Marsh Inundation
2004 and 2006

Site: Area 1
Date: 7/1/04 7/2/04
High Tide: 1109am 1205pm
Wind Speed: 0-5mph 6-10mph
Temperature (F): 80 75

Location ID	Height of Stake (cm)		Height Difference (cm)	Height Washed Away (cm)	Overall Inundation (cm)
	7/1/04	7/2/04			
1-00	99.50	100.30	-0.8	7	7.8
1-40	38.70	39.00	-0.3	13.2	13.5
2-40	80.00	84.30	-4.3	3	7.3
2-120	78.70	80.00	-1.3	9.6	10.9
3-00	95.20	96.50	-1.3	8.8	10.1
3-80	62.50	61.90	0.6	8.8	8.2
3-160	83.10	84.00	-0.9	2.5	3.4
4-40	86.90	88.30	-1.4	5	6.4
4-160	84.30	85.00	-0.7	5	5.7
5-00	88.50	87.20	1.3	3.1	1.8
5-40	78.70	83.00	-4.3	12	16.3
5-80	87.50	91.00	-3.5	11.7	15.2
A1	89.20	89.90	-0.7	18	18.7
A2	89.50	89.20	0.3	10.8	10.5
A3	92.70	93.70	-1	9.5	10.5
A4	95.90	92.00	3.9	14.5	10.6
A5	87.63	86.40	1.23	14.3	13.07
A6	92.00	93.50	-1.5	16.5	18
A7	91.20	91.20	0	3.3	3.3
A8	81.60	82.90	-1.3	10.8	12.1
A9	97.80	99.40	-1.6	8.3	9.9
A10	81.90	81.00	0.9	22.9	22
A11	97.00	98.00	-1	7.3	8.3
D4	86.00	87.30	-1.3	3.8	5.1
D5	74.00	81.10	-7.1	16.8	23.9
D6	90.00	91.00	-1	8	9
D7	96.80	95.50	1.3	3.2	1.9
D8	93.30	93.50	-0.2	16.5	16.7
D9	95.30	95.30	0	3.2	3.2
D10	94.00	93.60	0.4	4.1	3.7

Wertheim NWR Water Management Demonstration Project Data Report
Marsh Inundation
2004 and 2006

Site: Area 2
Date: 7/1/04 7/2/04
High Tide: 1109am 1205pm
Wind Speed: 0-5mph 6-10mph
Temperature (F): 80 75

Location ID	Height of Stake (cm)		Height Difference (cm)	Height Washed Away (cm)	Overall Inundation (cm)
	7/1/04	7/2/04			
1-00	95.00	96.50	-1.5	6	1.5
1-40	86.50	86.50	0	3	0
1-80	92.00	91.50	0.5	3.5	-0.5
1-120	89.00	89.00	0	0	0
1-160	72.00	74.50	-2.5	5	2.5
2-00	80.50	80.00	0.5	5	-0.5
2-40	89.00	93.40	-4.4	8	4.4
2-80	78.00	78.50	-0.5	4.5	0.5
2-120	76.30	73.50	2.8	0	-2.8
2-160	82.00	81.50	0.5	8	-0.5
2-200	80.50	80.00	0.5	2	-0.5
3-00	84.50	85.50	-1	9	1
3-40	76.00	72.00	4	8	-4
3-80	93.00	93.00	0	7	0
3-120	89.00	89.00	0	0	0
3-160	87.00	86.00	1	6	-1
3-200	88.00	87.00	1	0	-1
4-00	75.50	76.00	-0.5	0	0.5
4-40	89.50	89.50	0	3	0
4-120	94.00	91.00	3	0	-3
5-00	104.00	105.00	-1	0	1
5-80	94.50	94.00	0.5	0	-0.5
M1	100.50	98.00	2.5	8	-2.5
M2	89.00	89.00	0	0	0
M3	100.00	100.00	0	5	0
M4	78.00	80.50	-2.5	4	2.5
M5	83.50	84.00	-0.5	9	0.5
M6	95.00	94.00	1	4.5	-1
M7	93.00	91.50	1.5	4	-1.5
M8	77.00	75.00	2	0	-2
M9	79.00	79.50	-0.5	2	0.5
M10	78.00	76.50	1.5	13	-1.5
D1	78.00	78.00	0	0	0
D2	92.00	91.50	0.5	9.5	-0.5
D3	87.00	88.00	-1	2.5	1
D4	90.50	89.00	1.5	3	-1.5
D5	92.50	92.50	0	2	0
D6	88.00	86.00	2	0	-2
D7	96.50	95.50	1	4	-1
D8	99.00	96.00	3	3	-3
D9	93.00	93.00	0	0	0
D10	98.00	97.50	0.5	2	-0.5
B3	83.00	82.50	0.5	4	-0.5
B4	83.00	84.50	-1.5	0	1.5
B5	88.50	88.00	0.5	0	-0.5

Wertheim NWR Water Management Demonstration Project Data Report
Marsh Inundation
2004 and 2006

Site: Area 1
Date: 6/26/06 6/27/06
High Tide: 1219pm 1229am
Wind Speed: 16mph 13mph
Temperature (F): 79 79

Location ID	Height of Stake (cm)		Height Difference (cm)	Height Washed Away (cm)	Overall Inundation (cm)
	6/26/06	6/27/06			
1	66.675	64.4525	2.2225	3.5052	1.2827
2	67.945	69.215	-1.27	0	1.27
3	62.23	60.96	1.27	10.795	9.525
4	60.0075	59.3725	0.635	2.2225	1.5875
5	50.165	48.895	1.27	0.9525	0.31
6	56.8325	57.15	-0.3175	1.905	2.2225
7	62.865	61.2775	1.5875	4.7625	3.175
8	62.23	64.135	-1.905	2.8575	4.7625
9	46.99	46.355	0.635	10.16	9.525
10	77.47	77.47	0	11.7475	11.7475
11	96.52	95.5675	0.9525	1.5875	0.635
12	49.53	50.165	-0.635	1.27	1.905
13	87.63	86.0425	1.5875	8.89	7.3025
14	91.44	91.44	0	1.27	1.27
15	73.66	70.485	3.175	5.715	2.54
16	86.995	86.995	0	3.81	3.81
17	64.135	64.135	0	3.175	3.175
18	72.39	72.39	0	40.64	40.64
19	59.055	59.055	0	5.08	5.08
20	59.055	60.96	-1.905	3.81	5.715
21	84.455	85.09	-0.635	25.4	26.035

Wertheim NWR Water Management Demonstration Project Data Report
Marsh Inundation
2004 and 2006

Site: Area 2
Date: 6/26/06 6/27/06
High Tide: 1219pm 1229am
Wind Speed: 16mph 13mph
Temperature (F): 79 79

Location ID	Height of Stake (cm)		Height Difference (cm)	Height Washed Away (cm)	Overall Inundation (cm)
	6/26/06	6/27/06			
1	59.055	60.325	-1.27	1	2.27
2	90.4875	86.0425	4.445	0.5	-3.945
3	85.09	85.4075	-0.3175	0.75	1.0675
4	90.805	85.4075	5.3975	0.75	-4.6475
5	78.74	Lost	-	-	-
6	83.82	84.455	-0.635	9.375	10.01
7	68.58	64.135	4.445	11.375	6.93
8	75.8825	76.2	-0.3175	0.5	0.8175
9	50.4825	50.165	0.3175	1.5	1.1825
10	101.6	99.695	1.905	0.875	-1.03
11	98.1075	98.7425	-0.635	3.25	3.885
12	93.6625	87.3125	6.35	10.25	3.9
13	99.06	100.0125	-0.9525	1	1.9525
14	92.075	89.8525	2.2225	0.25	-1.9725
15	67.945	68.0085	-0.0635	3	3.0635
16	97.4725	97.79	-0.3175	4.25	4.5675
17	91.44	91.44	0	0.375	0.375
18	106.68	104.775	1.905	3.75	1.845
19	67.945	66.04	1.905	2.25	0.345
20	78.74	78.74	0	1.5	1.5
21	62.865	61.595	1.27	1	-0.27
22	80.01	87.63	-7.62	0.5	8.12
23	73.66	73.66	0	0.5	0.5
24	78.74	78.74	0	0.5	0.5
25	57.15	57.15	0	1	1
26	88.265	88.265	0	0.5	0.5
27	68.58	68.58	0	1	1
28	76.835	76.835	0	2	2

Wertheim NWR Water Management Demonstration Project Data Report
Marsh Inundation
2004 and 2006

Site: Area 3
Date: 6/26/06 6/27/06
High Tide: 1219pm 1229am
Wind Speed: 16mph 13mph
Temperature (F): 79 79

Location ID	Height of Stake (cm)		Height Difference (cm)	Height Washed Away (cm)	Overall Inundation (cm)
	6/26/06	6/27/06			
1	85.725	87.3125	1.5875	1.75	0.1625
2	88.5825	82.55	-6.0325	9	15.0325
3	97.79	100.965	3.175	1.5	-1.675
4	70.8025	74.295	3.4925	2.575	-0.9175
5	90.1065	90.805	0.6985	0.25	-0.4485
6	66.675	68.58	1.905	9	7.095
7	82.55	82.55	0	1.75	1.75
8	29.21	29.21	0	0.5	0.5
9	66.04	66.04	0	7.5	7.5
10	43.18	43.18	0	9.5	9.5
11	88.265	82.55	-5.715	7	12.715

Site: Area 4
Date: 6/26/06 6/27/06
High Tide: 1219pm 1229am
Wind Speed: 16mph 13mph
Temperature (F): 79 79

Location ID	Height of Stake (cm)		Height Difference (cm)	Height Washed Away (cm)	Overall Inundation (cm)
	6/26/06	6/27/06			
1	63.5	62.865	0.6	1	0.4
2	73.3425	74.6125	1.27	1	-0.27
3	92.3925	93.6625	1.27	0.875	-0.395
4	58.42	67.31	8.89	0.25	-8.64
5	84.7725	85.09	0.3175	0.25	-0.0675
6	66.675	59.69	6.9	2.375	-4.525
7	69.85	69.85	0	1	1
8	74.93	68.58	6.3	10.5	4.2
9	71.12	71.12	0	1	1