

Wertheim NWR Water Management Demonstration Project Data Report
Vegetation Biomass
Area 1 (2003-2007)

Date	Sample Location	Live Vegetation Weight (g)	Dead Vegetation Weight (g)	Marsh Zone	Vegetation Description
2003					
10/13/2003	1-2-00	40.4	NS	PHRAG	<i>Phragmites australis</i> , <i>Pluchea purpurascens</i> , <i>Scirpus pungens</i> , <i>Iva frutescens</i>
10/13/2003	1-2-40	47.3	NS	HM	<i>S. patens</i>
10/13/2003	1-2-80	43.4	NS	MIX	<i>S. patens</i>
10/13/2003	1-2-120	14.8	NS	PHRAG	<i>Phragmites australis</i> , <i>S. pungens</i> , <i>S. sempervirens</i> , <i>S. patens</i>
10/13/2003	1-3-00	28.4	NS	HM	<i>S. pungens</i> , <i>S. patens</i> , <i>Distichlis spicata</i>
10/13/2003	1-3-80	54.6	NS	HM	<i>S. patens</i>
10/13/2003	1-3-120	14.9	NS	HM	<i>S. patens</i>
10/13/2003	1-3-160	44.9	NS	HM	<i>S. patens</i>
10/13/2003	1-4-80	43.6	NS	HM	<i>S. patens</i> , <i>S. pungens</i>
10/13/2003	1-4-120	24.0	NS	MIX	<i>Iva frutescens</i> , <i>S. patens</i> , <i>S. pungens</i> , <i>D. spicata</i>
10/13/2003	1-4-160	38.4	NS	HM	<i>S. pungens</i> , <i>P. purpurascens</i> , <i>S. patens</i>
10/13/2003	1-5-00	56.3	NS	HM	<i>Phragmites australis</i> , <i>S. pungens</i> , <i>S. patens</i>
2004					
10/20/2004	1-2-00	8.9	40.7	PHRAG	<i>S. pungens</i> , <i>D. spicata</i>
10/20/2004	1-2-40	17.8	13.4	HM	<i>S. patens</i> , <i>P. purpurascens</i>
10/20/2004	1-2-80	33.3	9.3	MIX	<i>S. patens</i>
10/20/2004	1-2-120	32.2	16.7	PHRAG	<i>Phragmites australis</i> , <i>S. patens</i> , <i>S. sempervirens</i>
10/20/2004	1-3-00	33.2	14.1	HM	<i>S. pungens</i> , <i>D. spicata</i>
10/20/2004	1-3-80	22.2	26.1	HM	<i>S. patens</i> , <i>S. pungens</i>
10/20/2004	1-3-120	31.1	19.5	HM	<i>S. patens</i>
10/20/2004	1-3-160	33.0	11.9	HM	<i>S. patens</i>
10/20/2004	1-4-80	41.9	10.8	HM	<i>S. patens</i>
10/20/2004	1-4-120	32.1	8.4	MIX	<i>S. patens</i> , <i>S. pungens</i> , <i>S. sempervirens</i>
10/20/2004	1-4-160	27.1	10.6	HM	<i>S. patens</i> , <i>S. pungens</i> , <i>S. sempervirens</i>
10/20/2004	1-5-00	10.3	23.1	HM	<i>S. patens</i> , <i>S. pungens</i> , <i>P. purpurascens</i>
2005 (post marsh alterations)					
10/20/2005	1-2-00	31.6	24.7	HM	<i>S. robustus</i> , <i>S. pungens</i> , <i>Phragmites australis</i>
10/20/2005	1-2-40	28.2	6.9	HM	<i>D. spicata</i> , <i>S. patens</i>
10/20/2005	1-2-80	53.9	0	HM	<i>S. robustus</i> , <i>S. patens</i> , <i>D. spicata</i> , <i>P. purpurascens</i> , <i>S. sempervirens</i>
10/20/2005	1-2-120	31.6	5.2	HM	<i>S. sempervirens</i> , <i>S. patens</i> , <i>Phragmites australis</i>
10/20/2005	1-3-00	42.7	8	HM	<i>S. pungens</i> , <i>Phragmites australis</i> , <i>D. spicata</i>
10/20/2005	1-3-40	17	17.7	HM	<i>S. patens</i>
10/20/2005	1-3-80	14.9	0.3	MIX	<i>D. spicata</i> , <i>S. patens</i>
10/20/2005	1-3-120	53.6	0.0	HM	<i>S. patens</i> , <i>D. spicata</i>
10/20/2005	1-3-160	28.2	5.6	HM	<i>S. patens</i> , <i>D. spicata</i>
10/20/2005	1-4-80	86.9	0.0	HM	<i>S. patens</i> , <i>D. spicata</i>
10/20/2005	1-4-120	64.6	0.0	MIX	<i>S. patens</i> , <i>D. spicata</i>
10/20/2005	1-4-160	28.5	6.4	HM	<i>D. spicata</i> , <i>S. pungens</i> , <i>S. patens</i> , <i>S. sempervirens</i>
10/20/2005	1-5-00	20.2	0	HM	<i>S. pungens</i> , <i>S. patens</i>
2006					
10/11/2006	1-2-00	47.45	21.13	HM	<i>Phragmites</i> , <i>S. pungens</i> , <i>S. patens</i> , <i>P. purpureascens</i>
10/11/2006	1-2-40	58.43	3.46	HM	<i>S. patens</i>
10/11/2006	1-2-80	38.09	5.02	HM	<i>S. patens</i> , <i>D. spicata</i>
10/11/2006	1-2-120	22.58	66.39	HM	<i>S. patens</i>
10/11/2006	1-3-00	29.16	25.42	HM	<i>S. pungens</i> , <i>D. spicata</i> , <i>S. patens</i> , <i>S. robustus</i>
10/11/2006	1-3-40	43.49	0	HM	<i>S. patens</i> , <i>Phragmites</i>
10/11/2006	1-3-80	55.71	56.6	HM	<i>S. patens</i>
10/11/2006	1-3-120	56.73	1.5	HM	<i>S. patens</i>
10/11/2006	1-3-160	34.55	12.2	HM	<i>S. patens</i> , <i>S. sempervirens</i>
10/11/2006	1-4-80	20.25	6.4	HM	<i>S. patens</i> , <i>P. purpurascens</i>
10/11/2006	1-4-120	64.92	0	HM	<i>S. patens</i> , <i>S. pungens</i> , <i>Salicornia</i> , <i>P. purpureascens</i>
10/11/2006	1-4-160	42.14	0	HM	<i>S. patens</i> , <i>S. pungens</i> , <i>S. sempervirens</i>
10/11/2006	1-5-00	23.24	54.73	HM	<i>S. pungens</i> , <i>Phragmites</i> , <i>S. sempervirens</i> , <i>S. patens</i>
2007					
10/18/2007	1-2-00	29.92	13.07	HM	<i>S. patens</i> , <i>Phragmites</i> , <i>Scirpus pungens</i> , <i>Scirpus robustus</i>
10/18/2007	1-2-40	49.58	1.56	HM	<i>S. patens</i> , <i>Distichlis spicata</i>
10/18/2007	1-2-80	45.28	6.9	HM	<i>S. patens</i> , <i>Distichlis spicata</i>
10/18/2007	1-2-120	24.11	6.17	HM	<i>S. patens</i> , <i>S. robustus</i>
10/18/2007	1-3-00	20.81	13.49	HM	<i>D. spicata</i> , <i>S. patens</i>
10/18/2007	1-3-40	43.47	1.3	HM	<i>S. patens</i>
10/18/2007	1-3-80	23.01	0.88	HM	<i>S. patens</i> , <i>D. spicata</i> , <i>S. pungens</i>
10/18/2007	1-3-120	23.43	5.78	HM	<i>S. patens</i> , <i>Pluchea purpureascens</i> , <i>Salicornia spp.</i> , <i>D. spicata</i>
10/18/2007	1-3-160	62.15	2.46	HM	<i>S. patens</i>
10/18/2007	1-4-80	167.45	7.66	HM	<i>S. patens</i>
10/18/2007	1-4-120	34.62	1.91	HM	<i>S. patens</i> , <i>Distichlis spicata</i>
10/18/2007	1-4-160	66.69	11.21	HM	<i>S. patens</i> , <i>D. spicata</i> , <i>S. pungens</i>
10/18/2007	1-5-00	23.92	3.28	HM	<i>S. patens</i> , <i>S. pungens</i>

Notes: vegetation description listed in order of abundance
NS - not sampled
HM - high marsh vegetation
MIX - mix high marsh and low marsh vegetation
PHRAG - Phragmites dominated vegetative community