

**Wertheim NWR Water Management Demonstration Project Data Report
Vegetation Biomass Soil Core Samples
Area 2 (2003-2007)**

Date	Area	Sample Location	Soil Core Length (cm)	Soil Core Weight (g)	Marsh Zone	Vegetation Description
2003						
10/14/2003	2	1-00	NS	26.4	PHRAG	<i>Phragmites australis</i>
10/14/2003	2	1-40	NS	30.6	MIX	<i>Spartina patens</i> , <i>Spartina alterniflora</i>
10/14/2003	2	1-80	NS	37.2	MIX	<i>S. patens</i>
10/14/2003	2	2-00	NS	26.4	HM	<i>S. patens</i>
10/14/2003	2	2-40	NS	20.2	HM	<i>S. patens</i>
10/14/2003	2	2-80	NS	31.6	HM	<i>S. patens</i>
10/14/2003	2	5-40	NS	31.5	HM	<i>S. patens</i>
2004						
10/20/2004	2	1-00	NS	33.2	PHRAG	<i>Phragmites australis</i>
10/20/2004	2	1-40	NS	24.8	MIX	<i>S. patens</i>
10/20/2004	2	1-80	NS	32.1	MIX	<i>S. patens</i>
10/20/2004	2	2-00	NS	20.1	HM	No vegetation
10/20/2004	2	2-40	NS	15.4	HM	<i>S. patens</i> , <i>Distichlis spicata</i>
10/20/2004	2	2-80	NS	53.2	HM	<i>S. patens</i>
10/20/2004	2	5-40	NS	27.8	HM	<i>S. patens</i>
2005						
10/20/2005	2	1-00	17	25.8	PHRAG	<i>S. patens</i>
10/20/2005	2	1-40	19	31.1	MIX	<i>S. patens</i> , <i>S. alterniflora</i>
10/20/2005	2	2-00	19	41	HM	<i>S. patens</i> , <i>D. spicata</i>
10/20/2005	2	2-80	20	62.1	HM	<i>S. patens</i> , <i>P. purpurascens</i>
10/20/2005	2	5-40	12	29.2	HM	<i>Phragmites</i> , <i>S. patens</i>
2006 (post marsh alterations)						
10/13/2006	2	1-00	20	23.95	MIX	<i>S. patens</i> , <i>S. alterniflora</i> , <i>S. pungens</i> , <i>P. purpurascens</i>
10/13/2006	2	1-40	10	15.56	MIX	<i>S. patens</i> , <i>S. alterniflora</i>
10/13/2006	2	2-00	13	21.97	HM	<i>S. patens</i> , <i>S. pungens</i>
10/13/2006	2	2-80	11	10.03	HM	<i>S. patens</i> , <i>P. purpurascens</i>
10/13/2006	2	5-40	13	12.36	HM	<i>S. patens</i>
2007						
10/18/2007	2	1-00	9	6.63	MIX	<i>S. patens</i>
10/18/2007	2	1-40	9.5	43	MIX	<i>S. alterniflora</i>
10/18/2007	2	2-00	9	46.85	HM	<i>S. pungens</i> , <i>S. patens</i> , <i>S. robustus</i>
10/18/2007	2	2-80	4.5	17.3	HM	none
10/18/2007	2	5-40	8.5	41.09	HM	<i>S. patens</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