

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

Date	Area	Sample Location	Soil Core Length (cm)	Soil Core Weight (g)	Marsh Zone	Vegetation Description
<b>2003</b>						
10/13/2003	1	3-200	NS	33.1	PHRAG	<i>Phragmites australis</i>
10/13/2003	1	4-80	NS	14.1	HM	<i>Spartina patens</i> , <i>Scirpus pungens</i>
10/13/2003	1	4-160	NS	16.2	HM	<i>S. pungens</i> , <i>S. patens</i>
10/13/2003	1	4-200	NS	22.6	HM	No vegetation
10/13/2003	1	4-240	NS	26.4	HM	<i>S. pungens</i> , <i>S. patens</i>
10/13/2003	1	5-00	NS	11.0	HM	No vegetation
<b>2004</b>						
10/20/2004	1	3-200	NS	34.7	PHRAG	<i>Phragmites australis</i>
10/20/2004	1	4-80	NS	25.8	HM	<i>S. patens</i>
10/20/2004	1	4-160	NS	21.9	HM	<i>S. patens</i> , <i>S. pungens</i> , <i>Solidago sempervirens</i>
10/20/2004	1	4-200	NS	28.8	HM	<i>Phragmites australis</i>
10/20/2004	1	4-240	NS	18.5	HM	<i>S. pungens</i> , <i>S. patens</i>
10/20/2004	1	5-00	NS	20.4	HM	<i>S. pungens</i> , <i>S. patens</i> , <i>Pluchea purpurascens</i>
<b>2005 (post marsh alterations)</b>						
10/20/2005	1	3-200	16	53.5	PHRAG	No vegetation
10/20/2005	1	4-80	9	17.5	HM	<i>S. pungens</i> , <i>S. patens</i>
10/20/2005	1	4-160	14	33.6	HM	<i>S. pungens</i>
10/20/2005	1	4-200	9	31.3	HM	<i>S. pungens</i> , <i>S. sempervirens</i>
10/20/2005	1	4-240	14	21.3	HM	<i>S. pungens</i> , <i>S. patens</i>
10/20/2005	1	5-00	18	20.3	HM	<i>S. pungens</i>
<b>2006</b>						
10/11/2006	1	3-200	27	44.1	HM	<i>D. spicata</i> , <i>Phragmites</i> , <i>S. sempervirens</i> , <i>S. patens</i>
10/11/2006	1	4-80	12	19.6	HM	<i>S. patens</i> , <i>P. purpurascens</i>
10/11/2006	1	4-160	25	23.0	HM	<i>S. pungens</i> , <i>S. patens</i> , <i>S. sempervirens</i>
10/11/2006	1	4-200	25	24.4	HM	<i>S. pungens</i> , <i>S. patens</i> , <i>S. sempervirens</i>
10/11/2006	1	4-240	13	20.9	HM	<i>S. patens</i> , <i>S. alterniflora</i> , <i>S. sempervirens</i>
10/11/2006	1	5-00	24	42.2	HM	<i>Phragmites</i> , <i>S. pungens</i> , <i>S. patens</i> , <i>S. sempervirens</i>
<b>2007</b>						
10/18/2007	1.0	3-200	11	35.62	HM	<i>S. patens</i> , <i>S. robustus</i>
10/18/2007	1.0	4-80	8.5	25.11	HM	<i>S. patens</i>
10/18/2007	1.0	4-160	10	44.1	HM	<i>S. patens</i> , <i>D. spicata</i> , <i>S. pungens</i>
10/18/2007	1.0	4-200	8.5	26.96	HM	<i>S. patens</i> , <i>S. pungens</i> , <i>S. sempervirens</i>
10/18/2007	1.0	4-240	8.0	41.86	HM	<i>S. patens</i> , <i>S. pungens</i> , <i>S. sempervirens</i>
10/18/2007	1.0	5-00	9.5	31.01	HM	<i>S. patens</i> , <i>S. pungens</i> , <i>S. sempervirens</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