

Massachusetts Audubon Society
 Long Range Phragmites Study
 Location: Conomo Point, Essex
 Clay soil under peat

Transect 1: Conomo Point, Essex
 SIXTH GRADE

2001 is first year post restoration

Observers and dates

11/10, 11/12
 Cindy Mowry
 2004 Duff & Gr. 6 11/5/04
 2005 Duff & Gr. 6 11/4/05
 2006 Duff and Macneil

SPECIES	Year	upland end																									esent in
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
Phragmites <i>Phragmites australis</i>	1998	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10
	1999	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9
	2000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10
	2001	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11
	2002	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10
	2003	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9
	2004	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9
	2005	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6
ia immature	2005	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9
	2006	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	2007																										0
Spike Grass <i>Distichlis spicata</i>	1998					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19
	1999					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20
	2000					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19
	2001					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20
	2002					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20
	2003					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
	2004					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
	2005					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13
2006					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	
	2007																										0
Black Grass <i>Juncus gerardii</i>	1998																										13
	1999																										6
	2000																										5
	2001																										3
	2002																										0
	2003																										1
	2004																										2
	2005																										0
2006																											0
	2007																										0
Salt Marsh Hay <i>Spartina patens</i>	1998																										15
	1999																										11
	2000																										16
	2001																										18
	2002																										20
	2003																										21
	2004																										20
	2005																										20
2006																											20
	2007																										0
Seaside Goldenrod <i>Solidago sempervirens</i>	1998																										0
	1999																										1
	2000																										0
	2001																										2
	2002																										0
	2003																										0
	2004																										0
	2005																										0
2006																											0
	2007																										0
Bare Patch	2004																										2
	2005																										10
	2006																										7
	2007																										0
Glasswort <i>Salicornia europaea</i>	2001																										0
	2002																										3
	2003																										5
	2004																										3
	2005																										2
	2006																										3
	2007																										0
Seaside Arrowgrass <i>Triglochin maritima</i>	2003																										1
	2004																										0
	2005																										0
	2006																										0
	2007																										0
Freshwater Cordgrass <i>Spartina pectinata</i>	1998																										0
	1999																										1
	2003																										0
	2004																										0
	2005																										0
	2006																										0
	2007																										0

upland end 1 METER SEGMENTS DITCH marsh end




Massachusetts Audubon Society
 Long Range Phragmites Study
 Location: CONOMO POINT, ESSEX
SPECIES

Transect 2: Conomo Point

2001 is first year post restoration
 2004 Duff and gr 6 11/4/04
 2005 Duff and gr 6 11/4/05

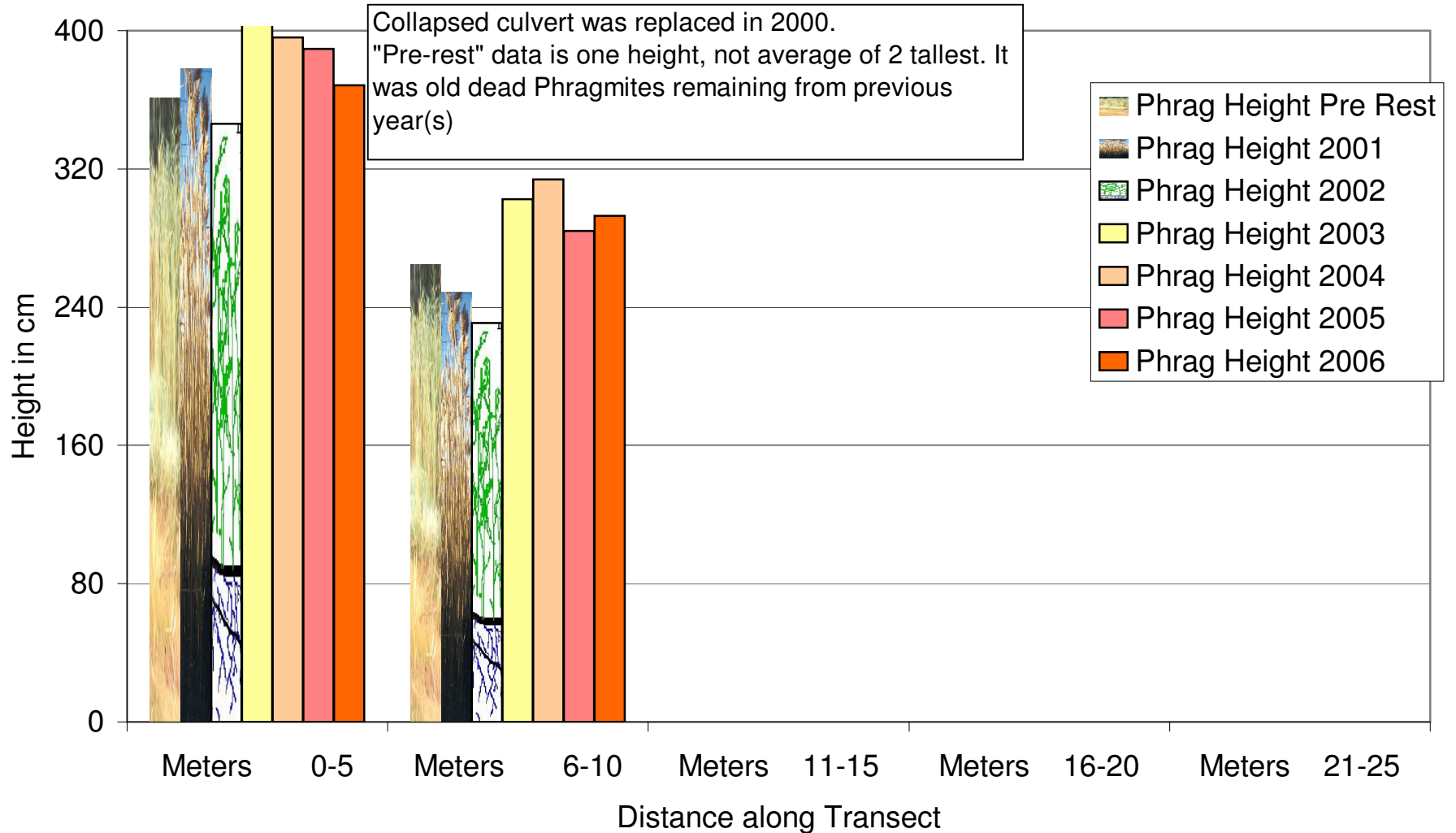
06 Duff and gr 6.

Observers and dates
 SIXTH GRADE

		upland end																									# of intervals	present in															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25																	
<i>Phragmites</i>	2000	1	1	1	1	1	1	1	1			1															9																
<i>Phragmites australis</i>	2001	1	1	1	1	1	1	1	1																		8																
	2002	1	1	1	1	1	1	1	1																		7																
	2003	1	1	1	1	1	1	1	1	1																	9																
	2004	1	1	1	1	1	1	1	1	1																	8																
 ia immature	2005	1	1	1	1	1	1	1	1	1																	8																
	2006	1		1	1	1	1	1	1																		8																
	2007																										0																
Spike Grass	2000									1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14																
<i>Distichlis spicata</i>	2001					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20																
	2002				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	21																
	2003					1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	18																
	2004					1	1	1	1	1	1			1	1	1	1	1	1	1	1	1	1	1	1	1	18																
	2005					1	1	1	1	1				1	1	1	1	1	1	1	1	1	1	1	1	1	17																
	2006															1	1	1	1	1	1	1	1	1	1	1	11																
	2007																										0																
Salt Marsh Hay	2000					Not recorded																																					0
<i>Spartina patens</i>	2001					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20																
	2002					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	21																
	2003					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	21																
	2004					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	21																
	2005					1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	20																
	2006								1	1												1	1	1	1	1	8																
	2007																										0																
Seaside Goldenrod	2000															1						1				1	3																
<i>Solidago sempervirens</i>	2001																						1			1	1																
	2002									1												1				1	3																
	2003									1																1	1																
	2004									1												1				1	3																
	2005																									1	0																
	2006																						1	1	1	1	4																
	2007																										0																
Orach	2002					1	1																				2																
<i>Atriplex patula</i>	2003					1																					1																
	2004					1																					1																
	2005																										0																
	2006																										0																
	2007																										0																
Black grass	2000																										0																
<i>Juncus gerardii</i>	2001																										0																
	2002																										8																
	2003																										6																
	2004																										9																
	2005																										1																
	2006																										0																
	2007																										0																
Sea Lavender	2000									1							1								1	1	4																
<i>Limonium nashii</i>	2001																										0																
	2002																										0																
	2003																										0																
	2004																										0																
	2005																										0																
	2006																										0																
	2007																										0																
Bare (Water)	2004																										0																
	2005									90%	100%	90%	60%	30%													5																
	2006									100	100	100	100	100													##																
	2007																										0																
Purple Loosestrife	2000																									1	1																
<i>Lythrum salicaria</i>	2001																										0																

upland end 1 METER SEGMENTS marsh end

Average *Phragmites* Heights, Transect 0, Conomo Point, Essex, MA, Pre-rest-2006



Average *Phragmites* Heights, Transect # 1,
 Conomo Point Essex, MA
 1999-2006

