

Massachusetts Audubon Society, Endicott Center
 Long Range Phragmites Study
 Location: Rockport

Transect 1 - distribution of species
 Site restored Spring 1999. 2000 is first post restoration year.

Observers and dates
 1998 Duff/Ecology club
 1999 11/8/99 Duff and Ridlon/ ecology club
 2000 Duff/Sweeney/Ecology club
 2002 LD, 10/17/02
 2003 LD, 12/30/03
 2004 LD and KP 11/10/04
 2005 Duff 9/26/05
 2006 Duff and Newman

Peat soil

SPECIES	Year	1 METER SEGMENTS																									# 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		
Phragmites <i>Phragmites australis</i>	1998	1	1	1	1	1	1	1	1	1	1																9	
	1999	1	1	1	1	1	1	1	1	1	1																	9
	2000	1	1	1	1	1	1	1	1	1	1																	8
	2001	Data Not Collected																									0	
	2002	1	1	1	1	1	1	1	1	1	1																	8
	2003	1	1	1	1	1	1	1	1	1	1	1	1	1														10
	2004	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1												11
	2005	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1											11
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	1	10	
2007																											0	
Spikegrass <i>Distichlis spicata</i>	1999										1																1	
2000																											0	
2001	Data Not Collected																									0		
2002																											0	
2003																											0	
2004																											0	
2005																											0	
2006																											0	
2007																											0	
Black grass <i>Juncus gerardii</i>	1999																										1	
2000																											0	
2001	Data Not Collected																									0		
2002																											0	
2004																											0	
2005																											0	
2006																											0	
2007																											0	
Glasswort <i>Salicornia europaea</i>	1999																										0	
2000						1	1	1	1	1											1	1	1		1	8		
2001	Data Not Collected																									0		
2002																					1		1			2		
2004							1																			1		
2005			1	1	1	1				1	1			1	1											8		
2006																										0		
2007																										0		
Salt Marsh Hay <i>Spartina patens</i>	1998				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	21	
1999						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19		
2000						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20		
2001	Data Not Collected																									0		
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	25		
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	25		
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	25		
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	25		
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	25		
2007																										0		
Orach <i>Atriplex patula</i>	2002																					1				2		
2003																										1		
2004																										2		
2005			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12		
2006																										0		
2007																										0		
Sea Blite <i>Suaeda linearis</i>	2000					1	1	1	1	1	1												1	1	1	1	10	
2001	Data Not Collected																									0		
2002	1					1																				2		
2003																										0		
2004																										0		
2005																										0		
2006																										0		
2007																										0		
Unknown Grass	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	5		
Sea Lavender <i>Limonium nashii</i>	2005																									1		
2006																										0		
2007																										0		

old=16.60-17.20 ditch

Massachusetts Audubon Society, Endicott Center
 Long Range Phragmites Study
 Location: Rockport Seaview Street
Peat soil

Transect 2 - distribution of species

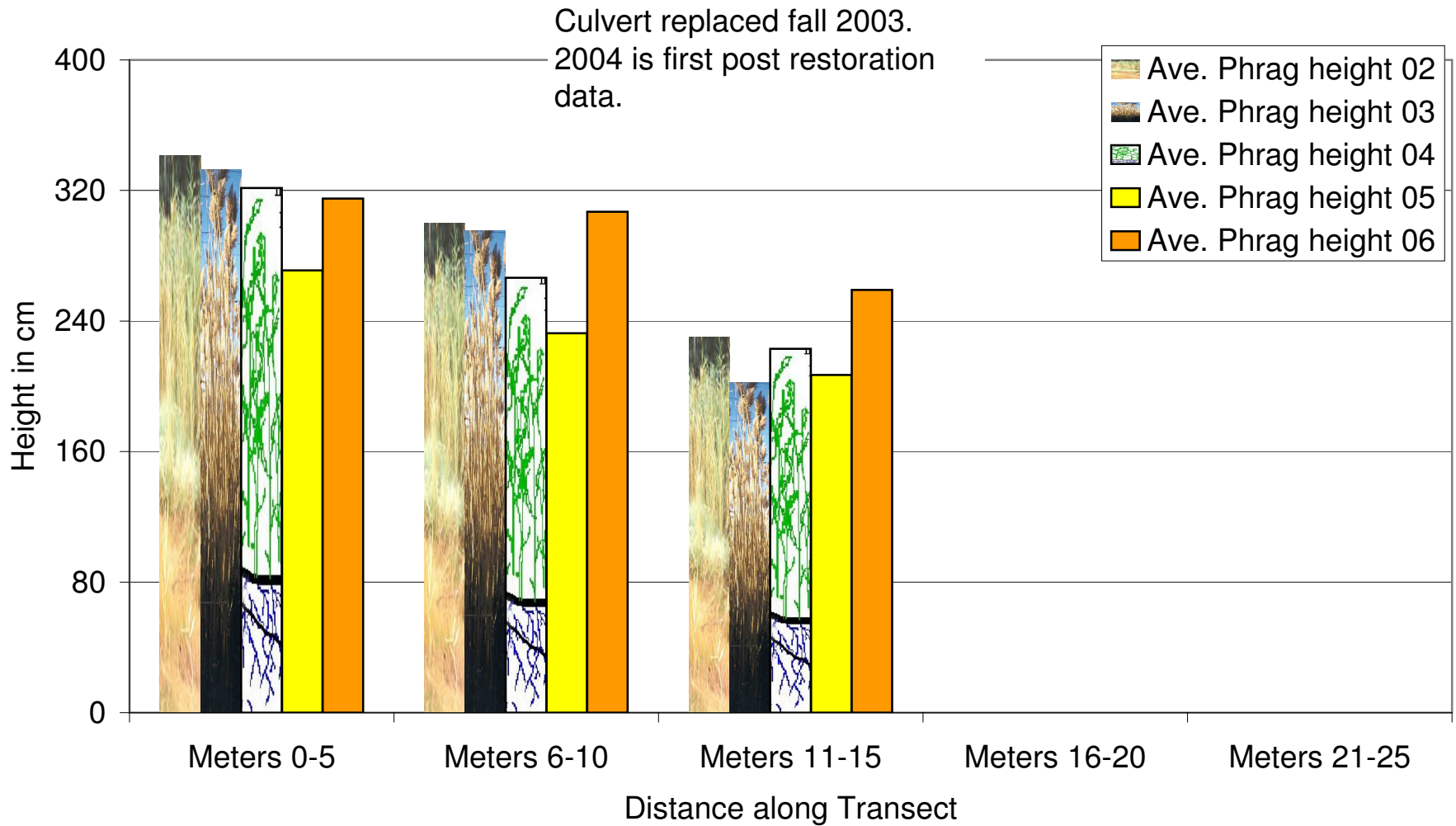
Observers and dates
 2002 LD and Science Club
 2003 LD 12/19/03
 2004 LD and KP 11/10/04
 2005 Duff and Rose 9/26/05
 2006 Duff, Allia and Newman

Site restored fall 2003. 2004 is first post restoration data.

SPECIES		1 METER SEGMENTS																								# of intervals present in
		upland end							DITCH																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Phragmites <i>Phragmites australis</i>	2002	1	1	1	1	1	1	1	1	1	1	1	1													11
	2003	1	1	1	1	1	1	1	1	1	1	1	1	1												12
	2004	1	1	1	1	1	1	1	1	1	1	1	1	1	1											13
	2005	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										14
	2006	1	1	1	1	1	1	1	1	1	1	1	1	1	1											13
	2007\																									0
Spikegrass <i>Distichlis spicata</i>	2002												1													1
	2003								1	1	1	1	1	1	1	1	1									9
	2004									1	1	1	1	1	1	1										7
	2005											1	1	1	1	1	1	1	1							7
	2006								1	1	1	1	1	1	1	1	1	1								9
	2007\																									0
Black grass <i>Juncus gerardii</i>	2002																									1
	2003																									1
	2004																									1
	2005																									1
	2006																									0
	2007\																									0
Salt Marsh Hay <i>Spartina patens</i>	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	23
	2003					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19
	2004				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20
	2005			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	21
	2006				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20
	2007\																									0
Creeping Bentgrass <i>Argostis stolonifera</i>	2005									1					1	1								1	4	
	2006																									0
	2007\																									0

Channel after 24 meters. No meter 25!

Average *Phragmites* Heights, Transect 2, Seaview Street, Rockport, MA, 2002-2006



Average *Phragmites* Heights, Transect 3, Seaview Street, Rockport, MA, 2002-2006

