

		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
		upland end																								
		1 METER SEGMENTS																								
		Transect 0 Town Farm Road Downstream																								
		marsh end																								
Orach <i>Atriplex patula</i>	2001									1	1															
	2002																									
	2004										1		1	1	1	1	1	1								
	2005																									
	2006	1																								
	2007																							1		
	2008																									
	2009																									
	Goldenrod <i>Solidago sempervirens</i>	2003	1	1	1		1	1	1	1																
2004		1	1	1	1	1	1	1	1	1																
2005											1	1	1													
2006		1	1	1		1	1	1			1	1	1													
2007																										
2009																										
Glasswort <i>Salicornia europaea</i>	F 2000								1	1	1															
	2001																									
	2002																									
	2003																									
	2004																									
	2005																									
	2006																									
	2007																									
	2008																									
	2009																									
Marsh Elder <i>Iva frutescens</i>	2003									1	1															
	2004																									
	2005																									
	2006	1																								
	2007																									
	2009																									
Mystery Leaf	2001	1	1	1	1	1																				
	2003																									
	2004																									
Sea Blite <i>Suaeda linearis</i>	2002																									
	2003																									
	2004																									
	2005																									
	2006																									
	2007																									
	2009																									

2
0
7
0
2
2
0
0
7
9
6
9
1
0
0
15
2
2
0
9
12
2
8
5
0
2
5
0
5
0
0
0
0
0
1
0
2
0
0
0
0

Species	Year	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	26	27	28	29	30	Count				
Saltmarsh Bulrush <i>Scirpus robustus</i>	1996																																	0		
	1997																																		0	
	S 1998																																		0	
	1999																																		0	
	2000																																		0	
	2001																																		0	
	2002																																		0	
	2003																																		2	
	2004																																		5	
	2005																																		2	
2006																																		0		
2007																																		0		
2008																																		0		
2009																																		0		
Mud (large areas of open mud with algal mats , see below)	1996																																	0		
	1997																																		0	
	S 1998																																		0	
	1999																																		0	
	2000																																		0	
	2001																																		8	
	2002																																		0	
	2003																																		5	
	2004																																		2	
	Wet and dead (standir Percent)	2005																																	13	
2006																																		16		
2007																																		12		
2008																																			13	
2009																																			0	
Algal Mat		1996																																		0
	1997																																		0	
	S 1998																																		0	
	1999																																		0	
	2000																																		0	
	2001																																		4	
	2002																																		0	
	2008																																		0	
	2009																																			0
	Grapevine sp.	2006																																		1
2007																																			0	
2008																																			0	
Marsh Elder <i>Iva frutescens</i>	2006																																		1	
	2007																																		0	
	2008																																		0	
Poison Ivy <i>Toxicodendron radica</i>	2003																																		1	
	2004																																		0	
	2005																																		0	

Location: Ipswich, Town Farm Rd.

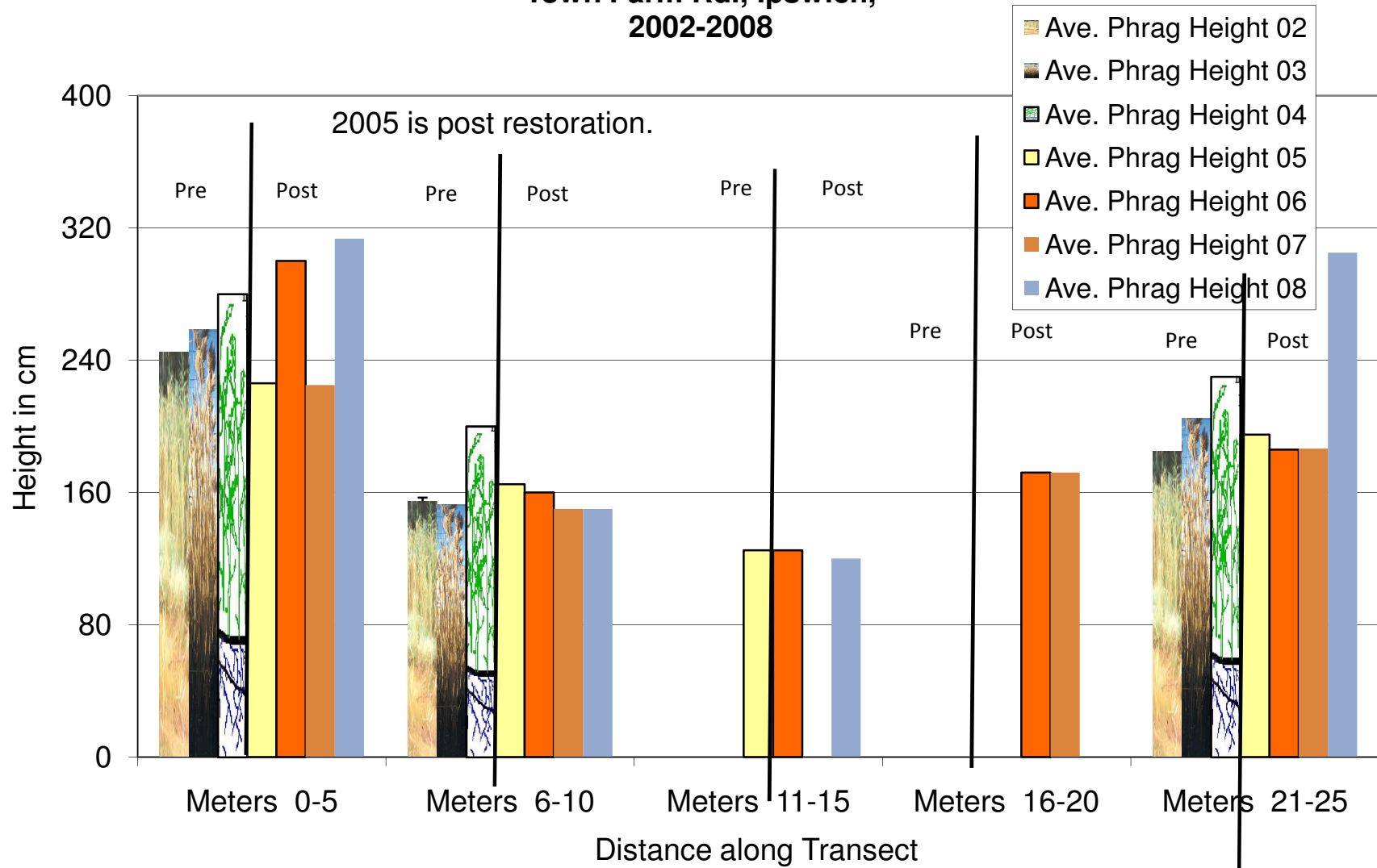
Transect 1 upstream

SPECIES		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> [grid]=immature 05 is first post rest. Year	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	16	# of intervals immature
	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	15	11
	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	15	5
	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	16	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	16	9
	2007	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	13	
	2008	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	14	
	2009																										0	
	Spikegrass <i>Distichlis spicata</i>	2002								1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	
2003						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15		
2004		1	1							1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12		
2005										1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10		
2006									1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10		
2007																										0		
2008																				1	1	1	1	1	1	3		
2009																										0		
Saltmarsh Cordgrass <i>Spartina alterniflora</i>		2006																								1	1	
	2007				1														1	1	1					4		
	2008																									1		
	2009																									0		
Saltmarsh Hay <i>Spartina patens</i>	2002																									0		
	2003																									0		
	2004	1			1	1					1				1	1					1		1	1	1	11		
	2005																									5		
	2006																									5		
	2007																									12		
Glasswort <i>Salicornia europaea</i>	2002																									2		
	2003																									1		
	2004																									2		
	2005																									4		
	2006																									0		
	2007																									9		
Marsh Elder <i>Iva frutescens</i>	2002																									1		
	2003																									3		
	2004																									1		
	2005																									2		
	2006																									1		
	2007																									0		
	2008																									0		
	2009																									0		
	Orach <i>Atriplex patula</i>	2002																									0	
2003																										0		
2004																										0		
2005																										1		
2006																										4		
2007																										6		
Sea blite <i>Suaeda linearis</i>	2002																									1		
	2003																									0		
	2004																									0		
	2005																									0		
	2006																									0		
	2007																									0		
Black Grass <i>Juncus gerardii</i>	2002																									9		
	2003																									10		
	2004																									3		
	2005																									4		
	2006																									0		
	2007																									0		
	2008																									0		
	2009																									0		

SPECIES	Year	1 METER SEGMENTS																									# of intervals present in	% immature
		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> is immature 05 is first post rest. yr.	2002	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	10	100%
	2004	1	1						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10	70%
	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	100%
	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	9	100%
	2007	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	3	
	2008	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	
	2009																										0	
	Spikegrass <i>Distichlis spicata</i>	2002								1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13	
2003									1	1	1	1	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	1	1	1	11		
2005								1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10		
2006						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12		
2007					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13		
2008					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14		
2009																											0	
Seaside Goldenrod <i>Solidago sempervirens</i>		2002																									0	
	2003																									0		
	2004																								1	1		
	2005																									0		
	2006																									0		
	2007																									0		
	2008																									0		
	2009																									0		
	Glasswort <i>Salicornia europaea</i>	2002			1	1		1		1	1	1		1	1		1	1	1	1	1		1	1	1	15		
2003										1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7			
2004									1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14			
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	7			
2007				1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13			
2008		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	24			
2009																										0		
Saltmarsh Cordgrass <i>Spartina alterniflora</i>		2002															1	1	1	1	1	1	1	1	1	10		
	2003															1	1	1	1	1	1	1	1	1	10			
	2004														1	1	1	1	1	1	1	1	1	1	12			
	2005														1	1	1	1	1	1	1	1	1	1	12			
	2006														1	1	1	1	1	1	1	1	1	1	12			
	2007					1								1	1	1	1	1	1	1	1	1	1	1	14			
	2008													1	1	1	1	1	1	1	1	1	1	1	13			
	2009																									0		
	Saltmarsh 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	16		
2003				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20			
2004					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	18			
2006				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13			
2007				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12			
2008				1	1	1				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8			
2009																										0		
Orach <i>Atriplex patula</i>		2006									1															1		
	2007																								0			
	2008																								0			
	2009																									0		
Black Grass <i>Juncus gerardii</i>	2002																								5			
	2003																								5			
	2004																								2			
	2005																								0			
	2006																								0			
	2007																								0			
	2008																								0			
	2009																									0		

Pre

Average Phragmites Heights, Transect 2, Town Farm Rd., Ipswich, 2002-2008



Average *Phragmites* Heights, Transect 3, Town Farm Rd., Ipswich, 2002-2008

