

Massachusetts Audubon Society, Endicott Center, Long Range Phragmites Study  
 Location: Neponset Transect 1

Observers and dates  
 Munson 12/3/04  
 Duff & UMASS 5/14/07 for fall 06 data.  
 5/5/08 for fall 07 Duff

SPECIES		1 METER SEGMENTS																									# of intervals present in		
		upland end	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	marsh end
Phragmites	'2004	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										16	
	'2005	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										16	
	<i>Phragmites australis</i>	'2006	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										17
	is immature	'2007	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									17
	'2008																											0	
Spike Grass	'2004															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	12	
<i>Distichlis spicata</i>	'2006																		1	1	1	1	1	1	1	1	1	9	
	2007															1	1	1	1	1	1	1	1	1	1	1	1	11	
	'2008																											0	
Salt Marsh Hay	'2004														1	1	1	1	1	1	1	1						8	
	'2005															1	1	1	1	1	1	1	1	1	1	1	1	12	
<i>Spartina patens</i>	'2006																											11	
	2007																											11	
	'2008																											0	
Marsh Elder	'2004																										1	3	
	'2005																										1	2	
<i>Iva frutescens</i>	'2006																										1	1	
	2007																										1	2	
	'2008																											0	
Perennial Pepperweed	'2004																											0	
	'2005																											0	
<i>Lepidium latifolium</i>	'2006																											0	
	2007																										1	1	
	'2008																											0	
Saltmarsh Aster	'2004																										1	1	
	'2005																											0	
<i>Aster subulatus</i>	'2006																											0	
	2007																											0	
	'2008																											0	
Wrack	'2004																											0	
	'2005																											0	
	'2006																										1	4	
	2007																										1	4	
	'2008																										0		

Location: Neponset

Neponset

Transect 2

Observers and dates

Munson 12/3/04

Duff 4/06

Duff & UMASS 5/14/07 for fall 06 data.

5/5/08 for fall 07 Duff

SPECIES		1 METER SEGMENTS																									# of intervals present in	
		upland end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		marsh end
Phragmites australis	'2004	1	1	1	1	1	1	1	1	1	1	1																11
	'2005	1	1	1	1	1	1	1	1	1	1	1																11
<i>Phragmites australis</i> is immature	'2006	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	16	
	'2008																										0	
Spike Grass	'2004							1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	
	'2005									1				1	1	1	1	1	1	1	1	1	1	1	1	1	14	
<i>Distichlis spicata</i>	'2006								1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	
	'2007										1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	
	'2008																										0	
Salt Marsh Hay	'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	1	1	1	1	1	17	
<i>Spartina patens</i>	'2006						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18	
	'2007									1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	
	'2008																										0	
Perennial Pepperweed	'2004																										0	
	'2005																										0	
<i>Lepidium latifolium</i>	'2006																										0	
	'2007																										1	
	'2008																										0	
Marsh Elder	'2004																										0	
	'2005																									1	1	
<i>Iva frutescens</i>	'2006																										1	
	'2007																										0	
	'2008																										0	
Wrack	'2004																										0	
	'2005																										0	
	'2006						1	1	1	1	1	1	1	1	1	1										9		
	'2007					1	1	1	1	1	1	1	1													7		
	'2008																										0	
Mystery Plant	'2004																										0	
	'2005																										0	
	'2006																										4	
	'2007																										0	
	'2008																										0	

Pepperweed sighted near transect line 5/14/07. upland end  
Location: Neponset

1 METER SEGMENTS

marsh end

Massachusetts Audubon Society, Endicott Center, Long Range Phragmites Study  
 Location: Neponset Transect 3

Observers and dates

Note: End stakes

Munson 12/3/04

estimated 2005

Duff 4/06

estimated 2006

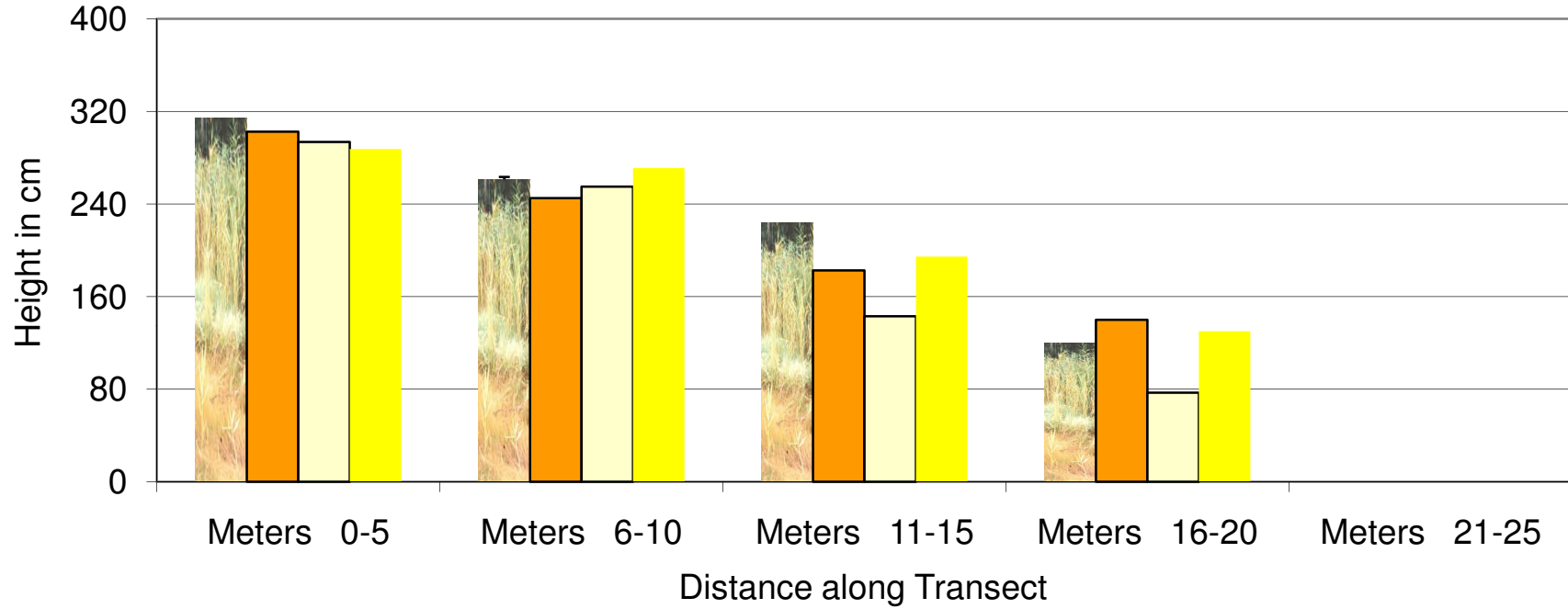
Duff & UMASS 5/14/07 for fall 06 data.

5/5/08 for fall 07 Duff & UMASS

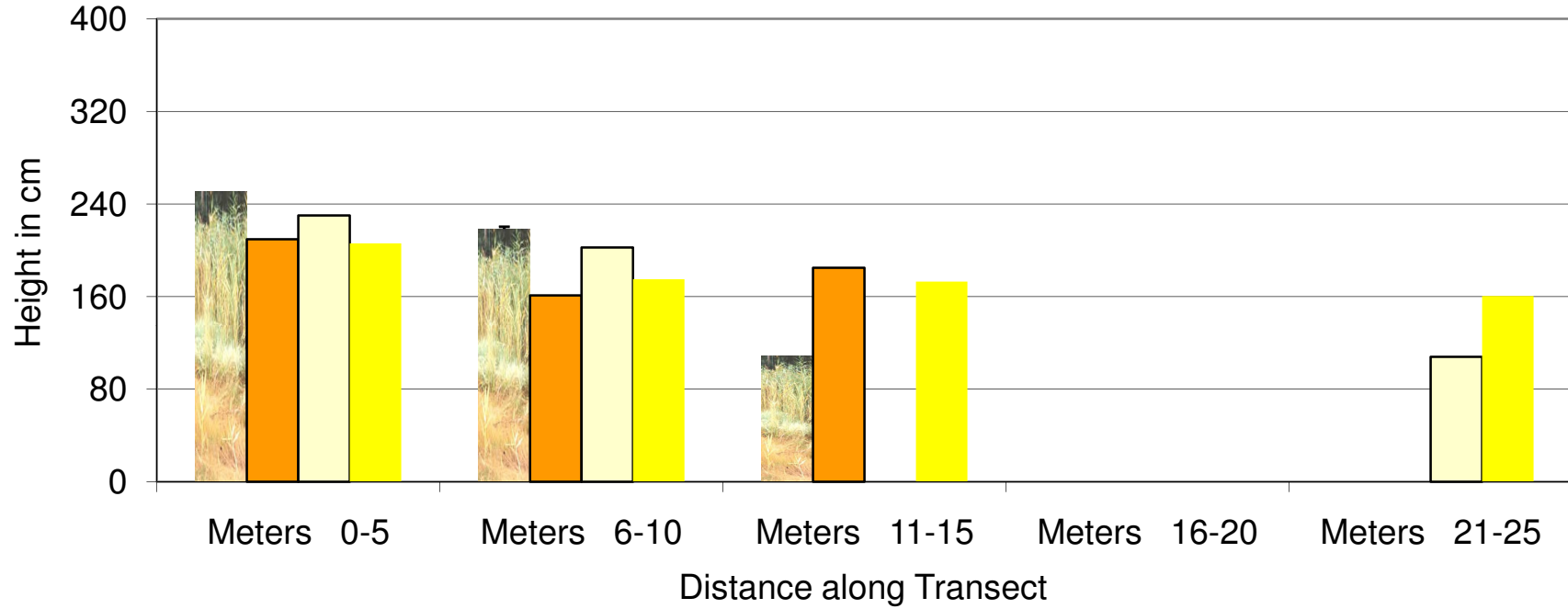
SPECIES		1 METER SEGMENTS																									# of intervals present in	
		upland end	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		25
Phragmites	'2004	1	1	1	1	1	1	1	1	1	1	1	1	1														13
	'2005	1	1	1	1	1	1	1	1	1	1	1	1	1														13
	<i>Phragmites australis</i>	'2006	1	1	1	1	1	1	1	1	1	1	1	1	1													13
	is immature	'2007	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										16
	'2008																										0	
Spike Grass	'2004									1	1								1	1	1	1	1	1	1	1	1	10
	'2005											1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
<i>Distichlis spicata</i>	'2006											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	10
	'2008																											0
	Salt Marsh Cordgrass	'2004																								1	1	1
'2005																								1	1	1	1	4
<i>Spartina alterniflora</i>		'2006																						1	1	1	1	4
2007																									1	1	1	3
'2008																											0	
Salt Marsh Hay	'2004											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	11
	<i>Spartina patens</i>	'2006										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	12
'2008																											0	
Marsh Elder	'2004																									1		1
	'2005																											0
	<i>Iva frutescens</i>	'2006																							1	1		2
	2007														1	1							1	1	1	1		6
'2008																											0	
Wrack	'2004											1	1	1	1	1	1											6
	'2005	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											15
	2007											1	1				1	1					1	1		1		7
'2008																											0	
Mystery Plant	'2004																											0
	'2005																											0
	'2006																											1
	2007																											6
	'2008																											0

Location: Neponset

**Average *Phragmites* Heights, Transect 1, Neponset Marsh,  
2004-2007**



**Average *Phragmites* Heights, Transect 2, Neponset Marsh,  
2004-2007**



**Average *Phragmites* Heights, Transect 3, Neponset Marsh,  
2004-2007**

