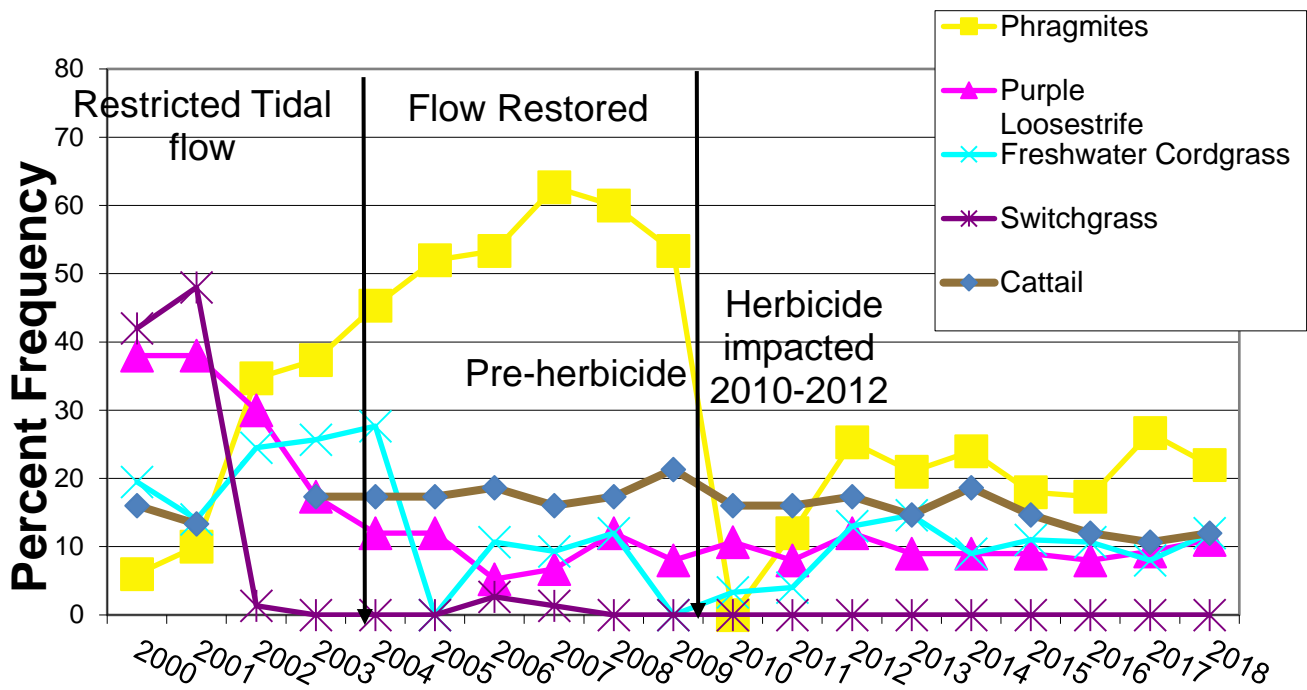
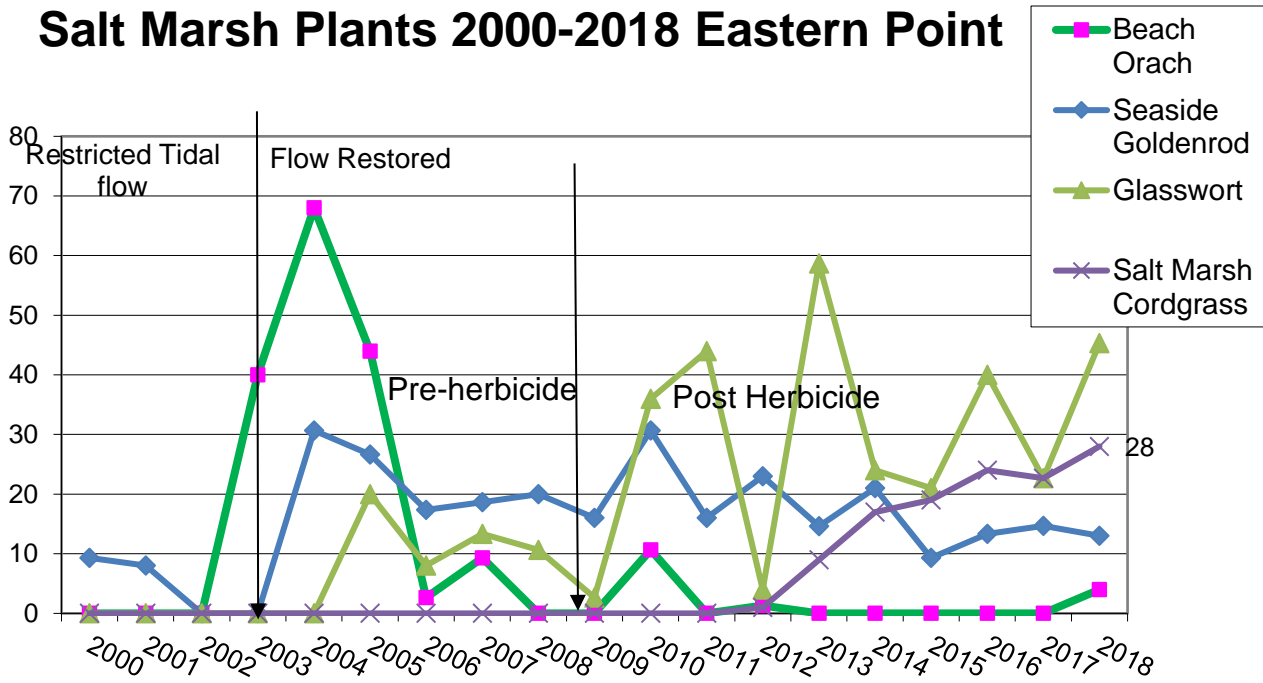


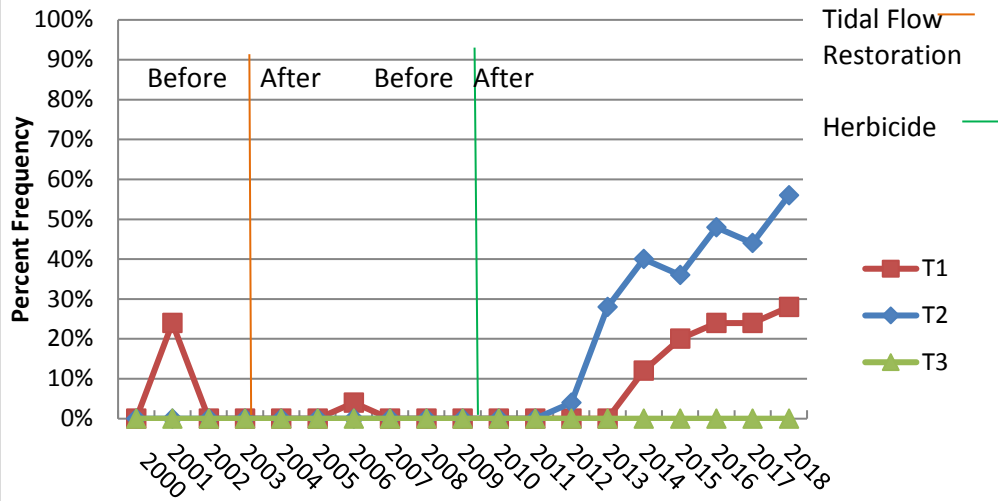
Brackish and Freshwater Species 2000-2018



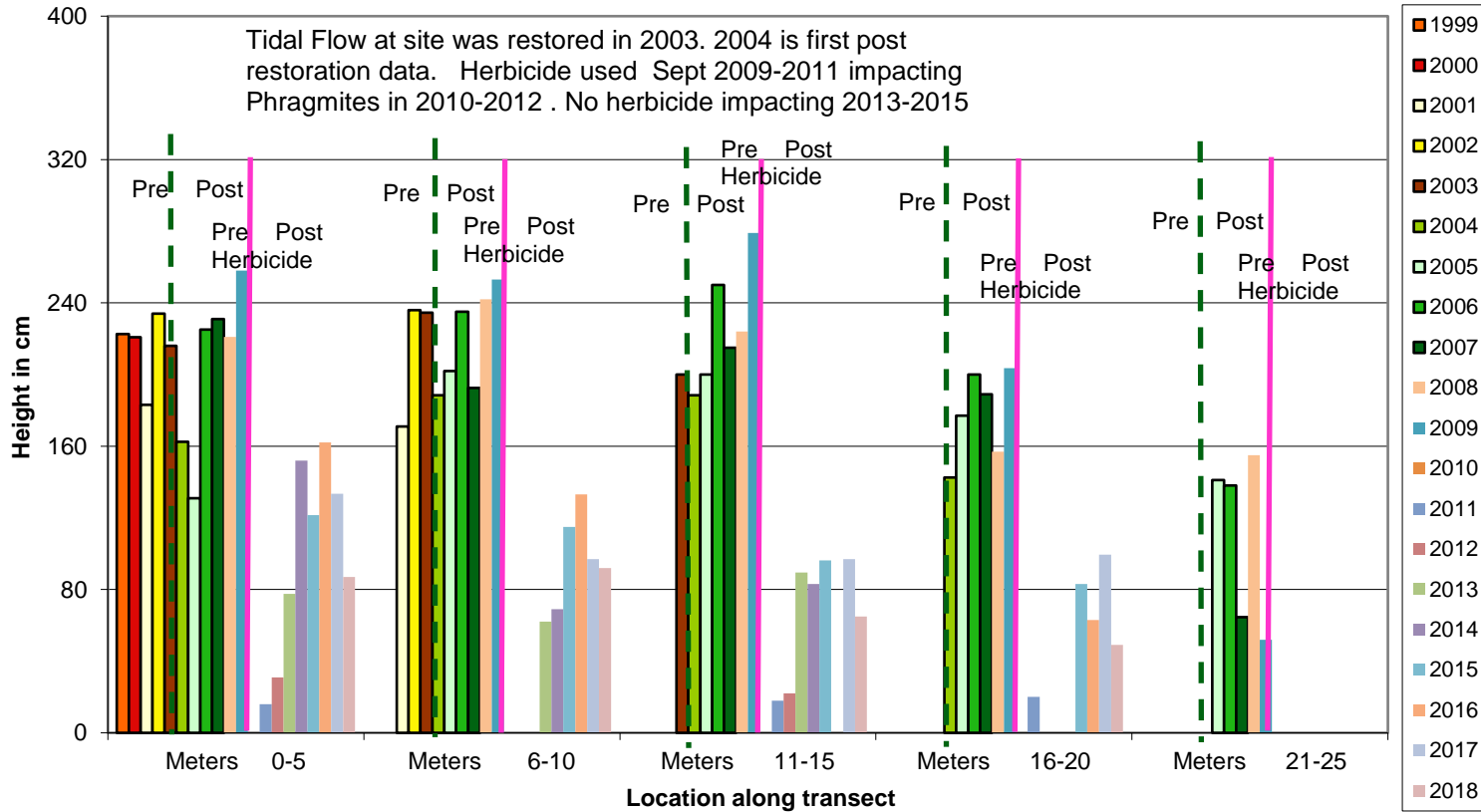
Salt Marsh Plants 2000-2018 Eastern Point



Cordgrass Eastern Point



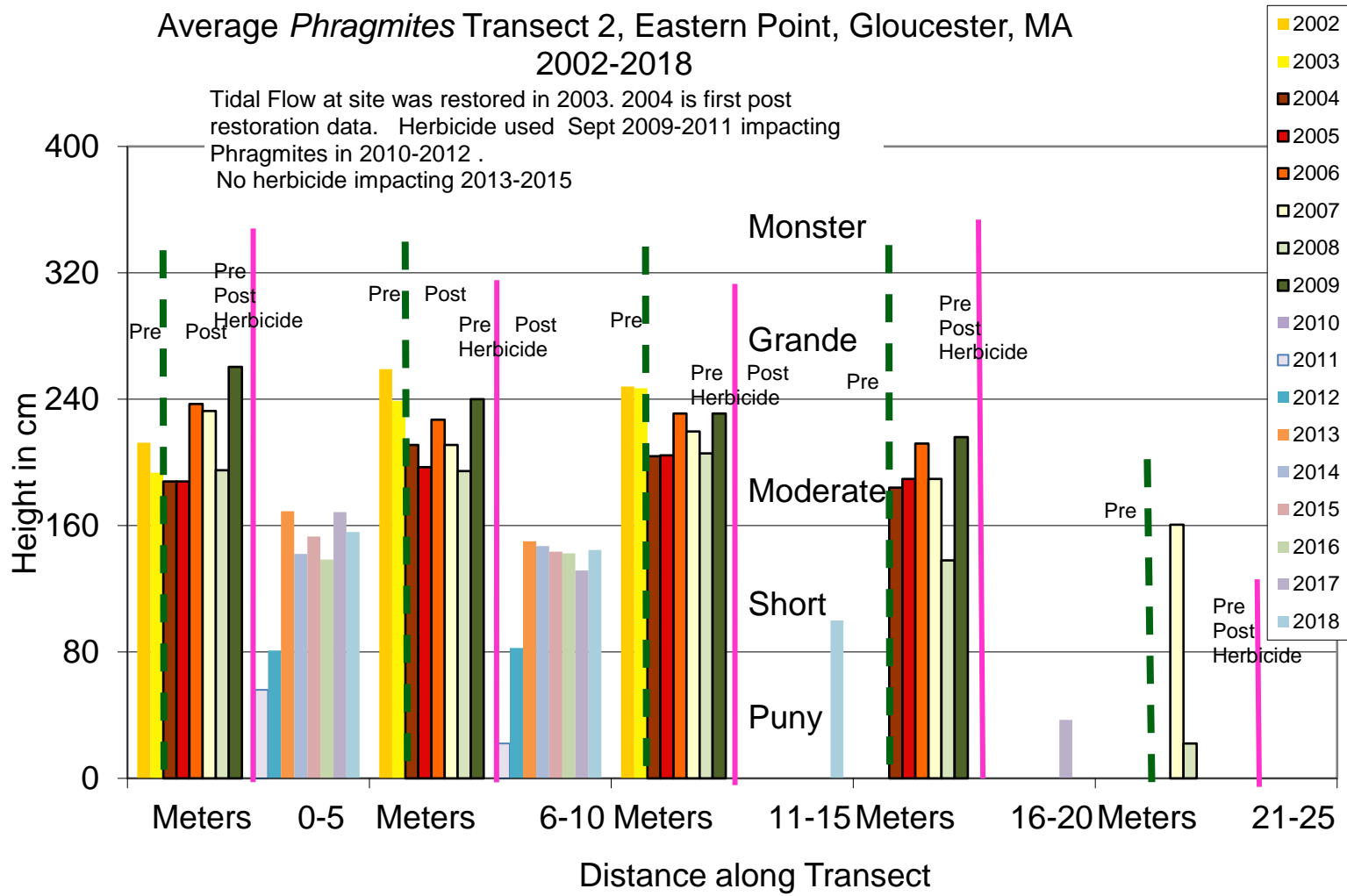
**Average *Phragmites* Heights, Transect 1, Eastern Point Gloucester, MA
1999-2018**



Closest to upland

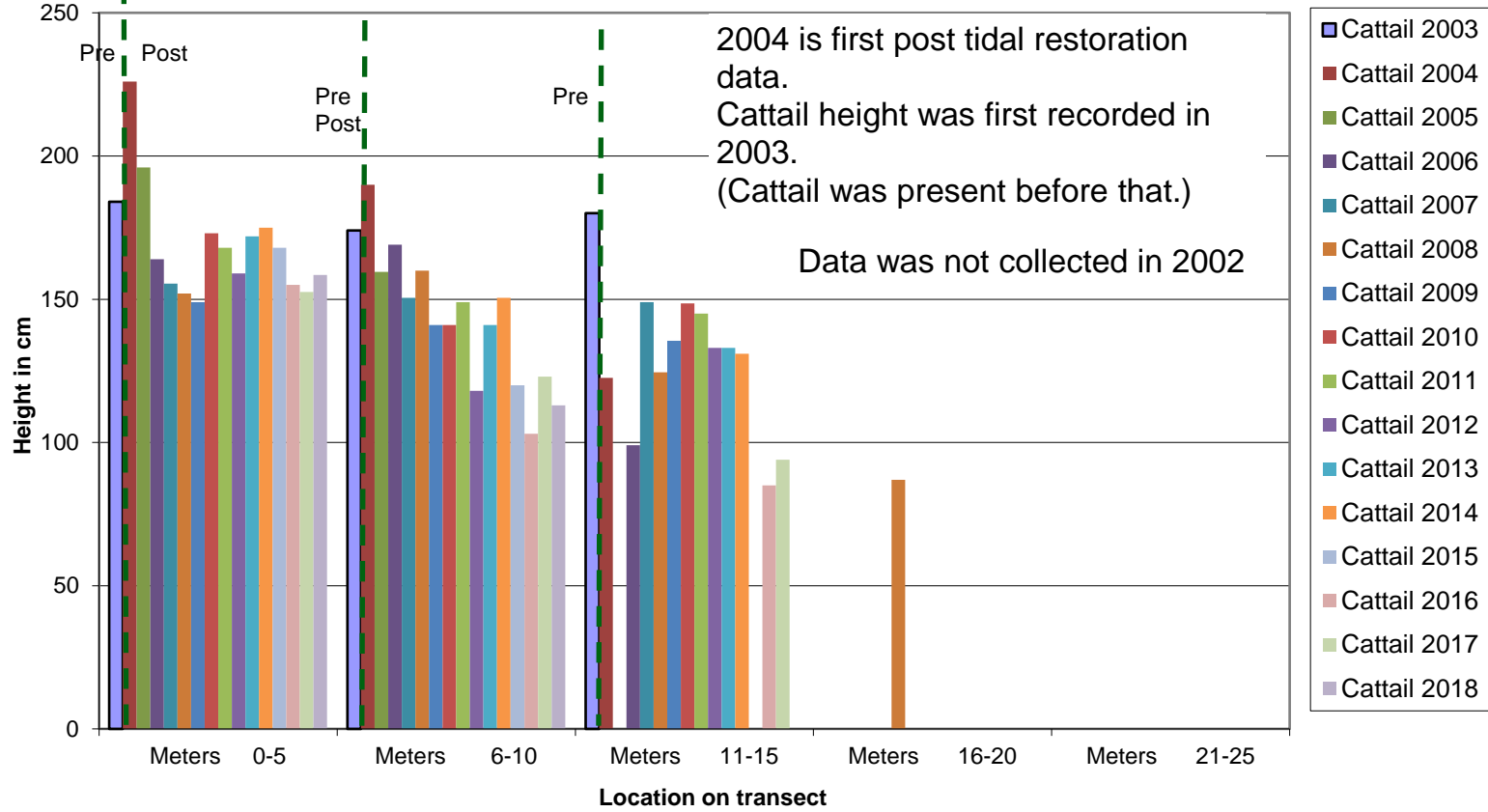
Average *Phragmites* Transect 2, Eastern Point, Gloucester, MA 2002-2018

Tidal Flow at site was restored in 2003. 2004 is first post restoration data. Herbicide used Sept 2009-2011 impacting *Phragmites* in 2010-2012. No herbicide impacting 2013-2015



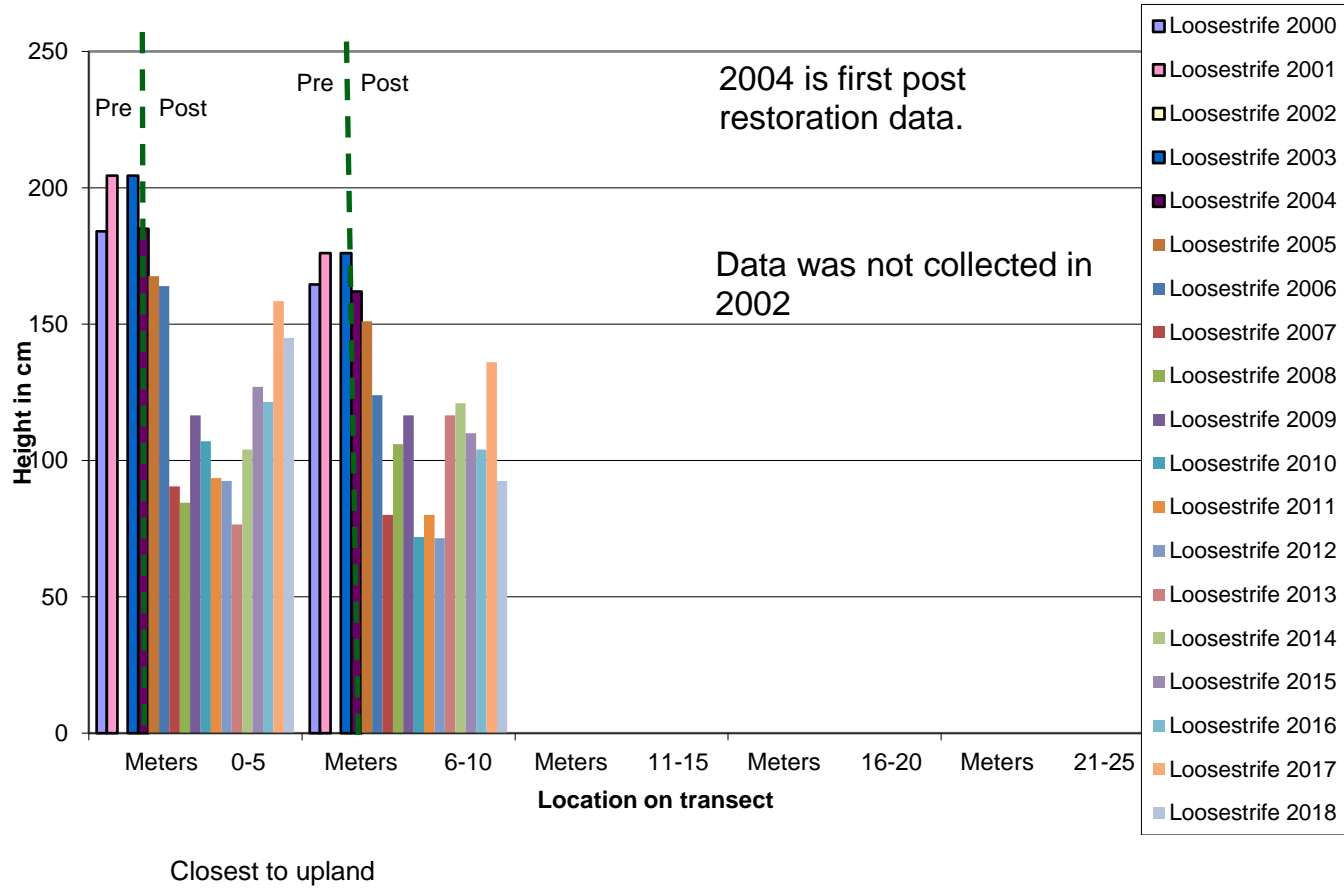
Closest to upland

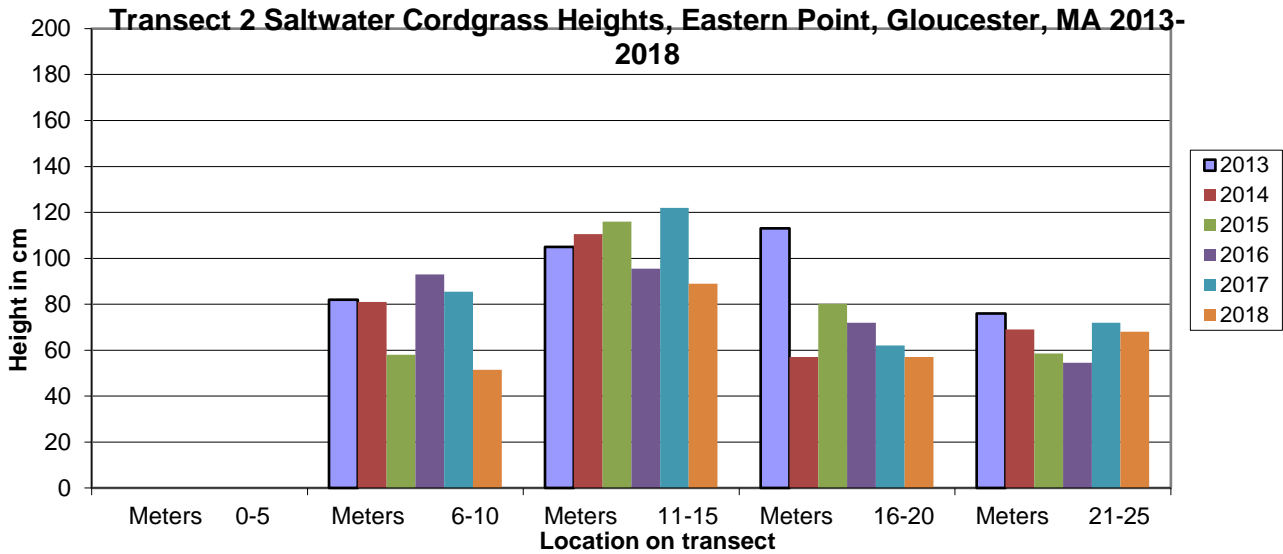
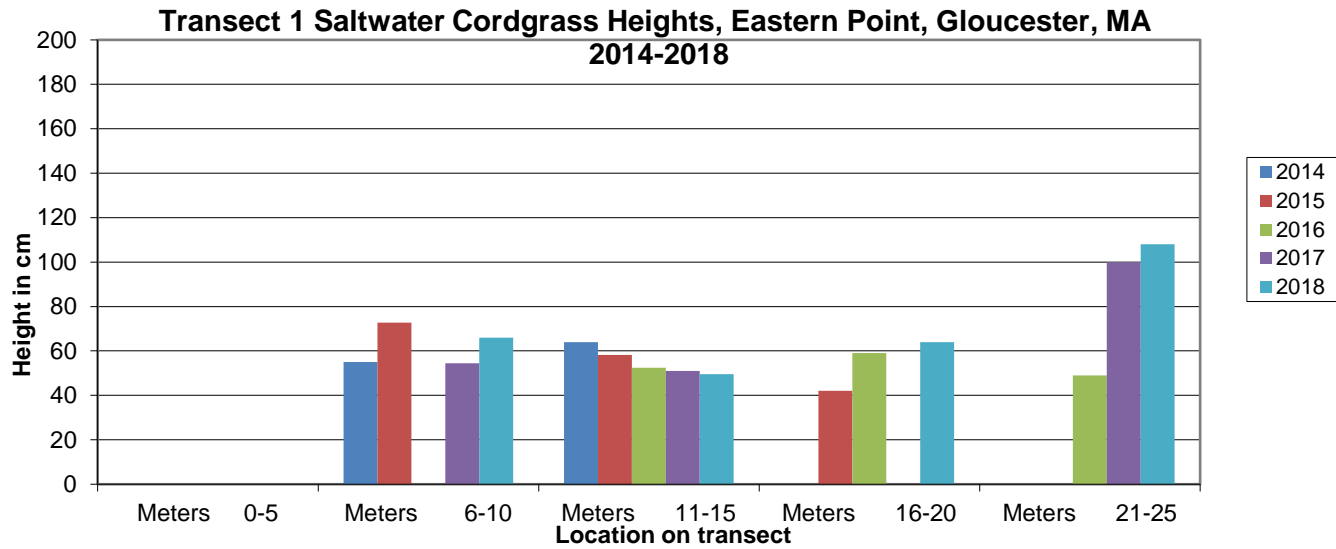
Transect 3 Cattail Heights, Eastern Point, Gloucester, MA 2003-2018



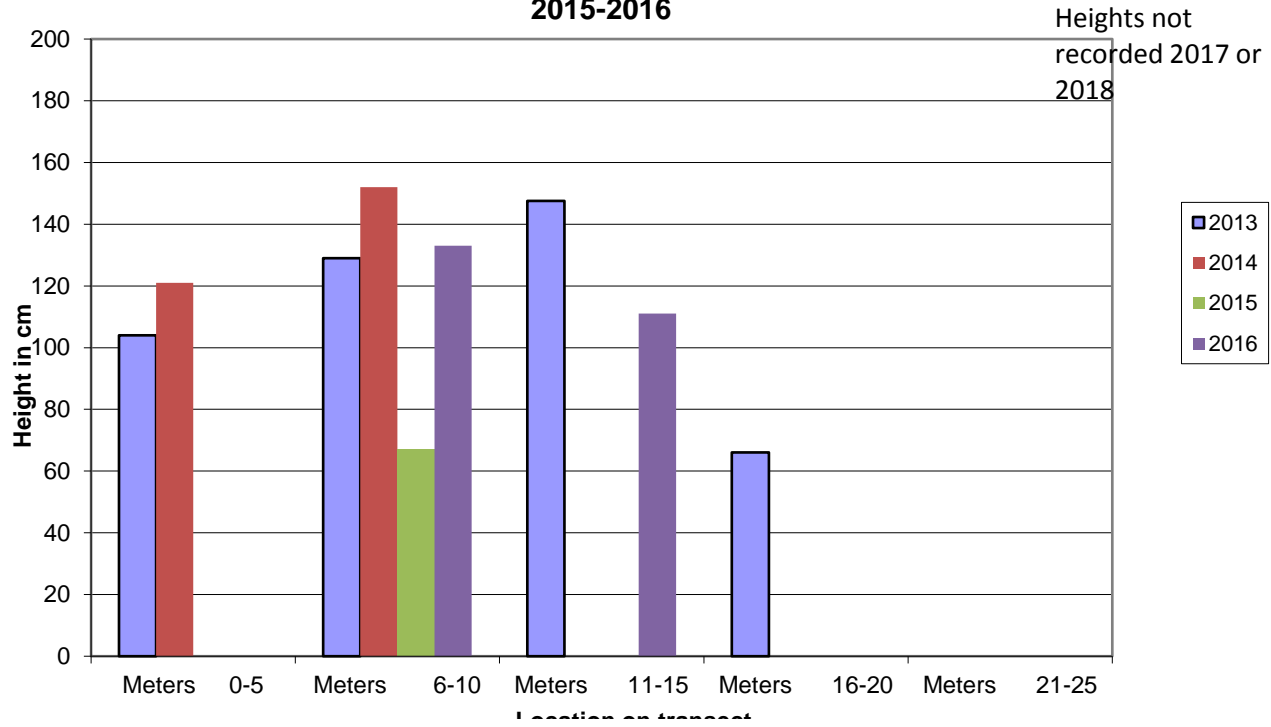
Closest to upland

Transect 3 Loosestrife Heights Eastern Point, Gloucester, MA 2000-2018





**Transect 3 Fresh Cordgrass Heights, Eastern Point, Gloucester, MA
2015-2016**



Water Hemp	2003																																				
Amaranthus cannabinus	2004																																				
T1 Eastern Point	2005																																				
	2006																																				
	2007																																				
Quack Grass	2010																1	1	1																		
	2011																																				
Wrack	2007	1	1	1					1	1	1		1	1																							
	2008																																				
	2009																																				
Trampled in 2010	2010																																				
	2011							1	1	1	1	1	1	1																							
	2012	1	1	1																																	
	2013																																				
	2014																																				
	2015																																				
Bare	2012					###	##	70%	60%	###	###																										
	2013																																				
	2014																																				
	2015																																				
	2016																																				

8
0
0
0
0
3
0
8
0
0
0
7
3
0
0
0
3.5
0
0
0
0

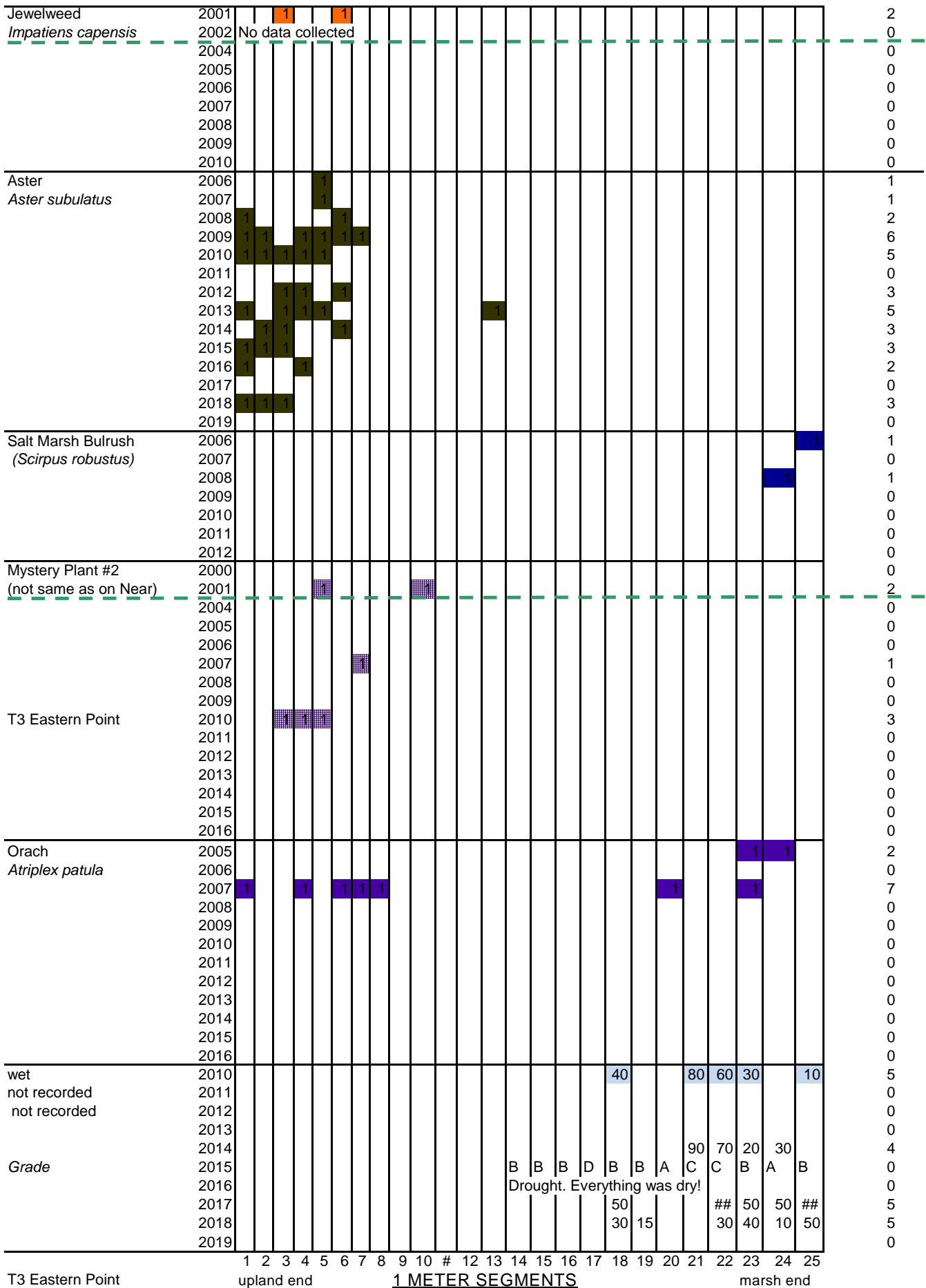
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
upland end 1 METER SEGMENTS marsh end

Near Transect: Eastern Point

0

Saltmarsh Cordgrass <i>Spartina alterniflora</i>	2012														1											
	2013																									
	2014									1	1	1	1	1	1	1	1					1	1			
	2015										1	1	1	1	1	1	1						1	1		
	2016								1	1	1	1	1	1	1	1	1					1	1	1		
	2017									1	1	1	1	1	1	1	1					1		1	1	
	2018									1	1	1	1	1		1	1	1	1	1		1	1	1	1	
	2019																									
	Sea Milkwort <i>(Glaux maritima)</i>	2010																								
	2011																									
	2012																									
	2013																									
T2 Eastern Point	2014			1	1	1	1																			
	2015																									
	2016																									
	2017																									
T2 Eastern Point		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	<u>1 METER SEGMENTS</u>																						marsh end	

1
7
10
9
12
11
14
0
0
0
0
0
4
0
0
0



T3 Eastern Point

upland end

1 METER SEGMENTS

marsh end