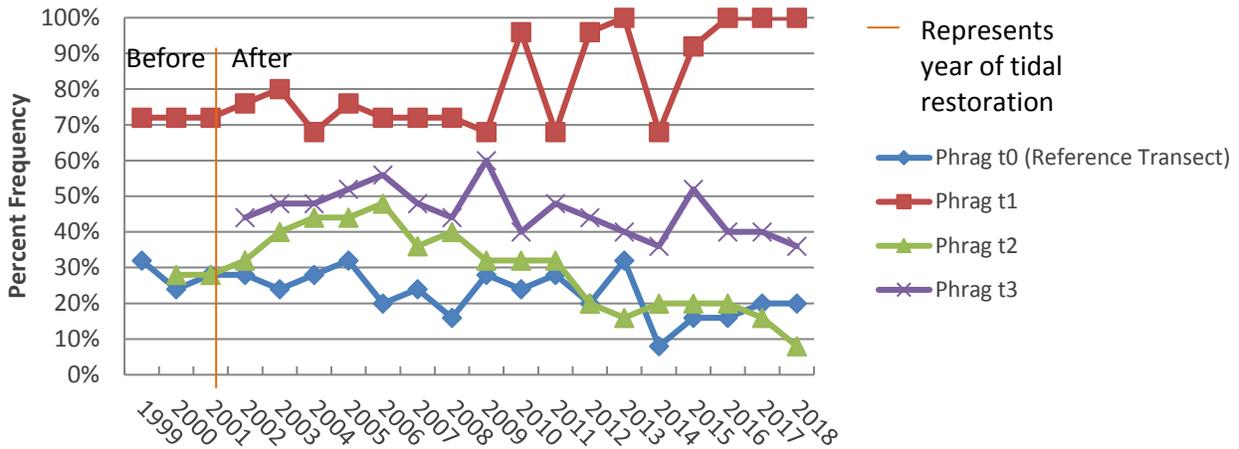
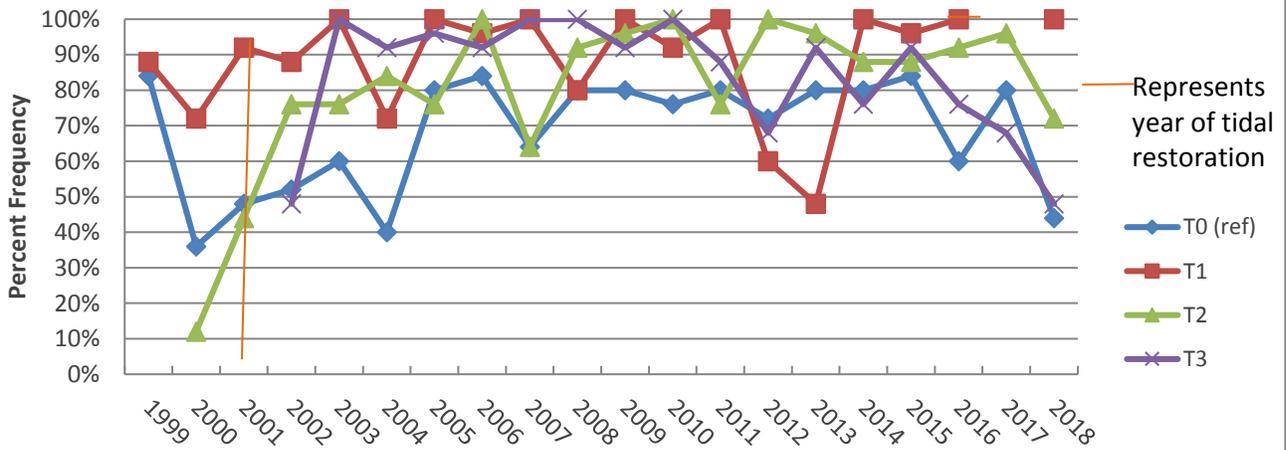


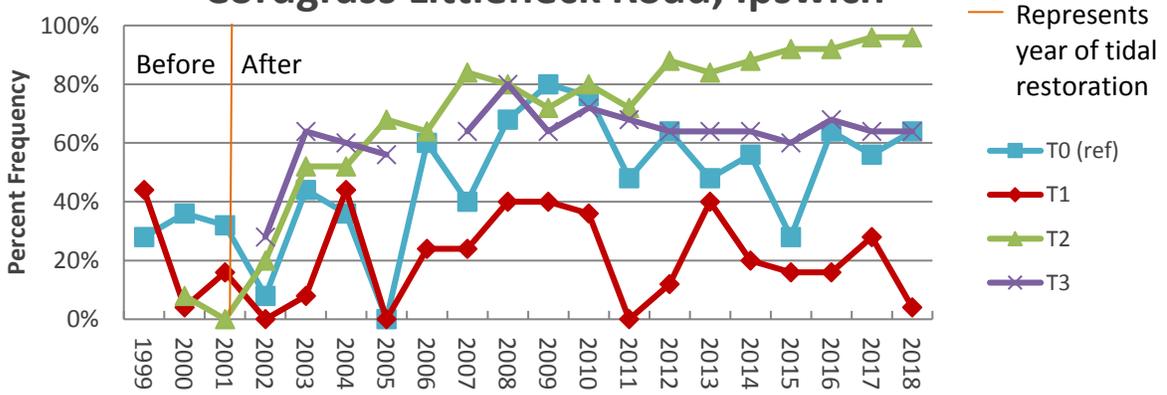
### Phragmites Littleneck Road, Ipswich



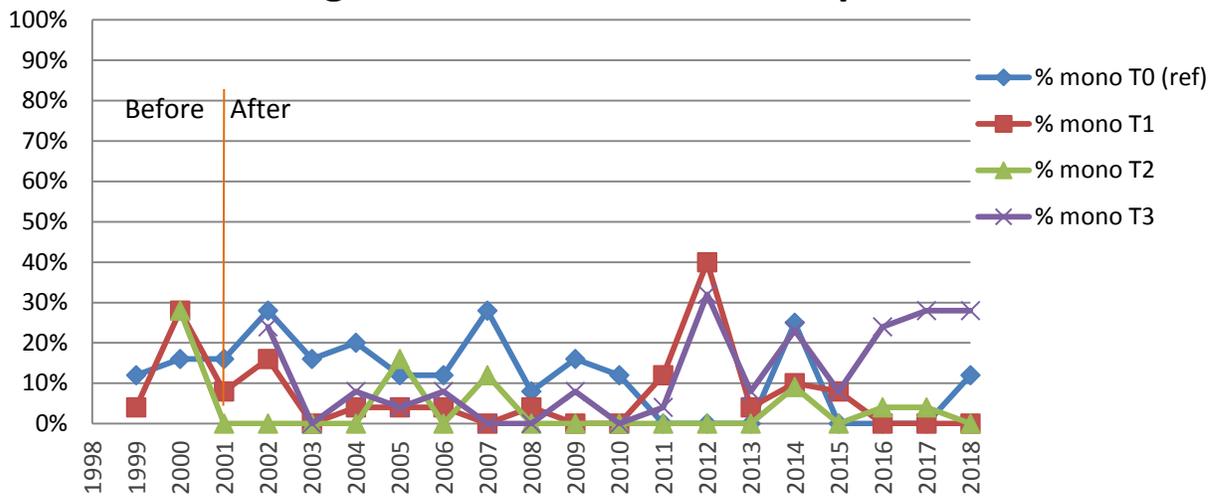
### Salt Marsh Hay Littleneck Road, Ipswich



### Cordgrass Littleneck Road, Ipswich

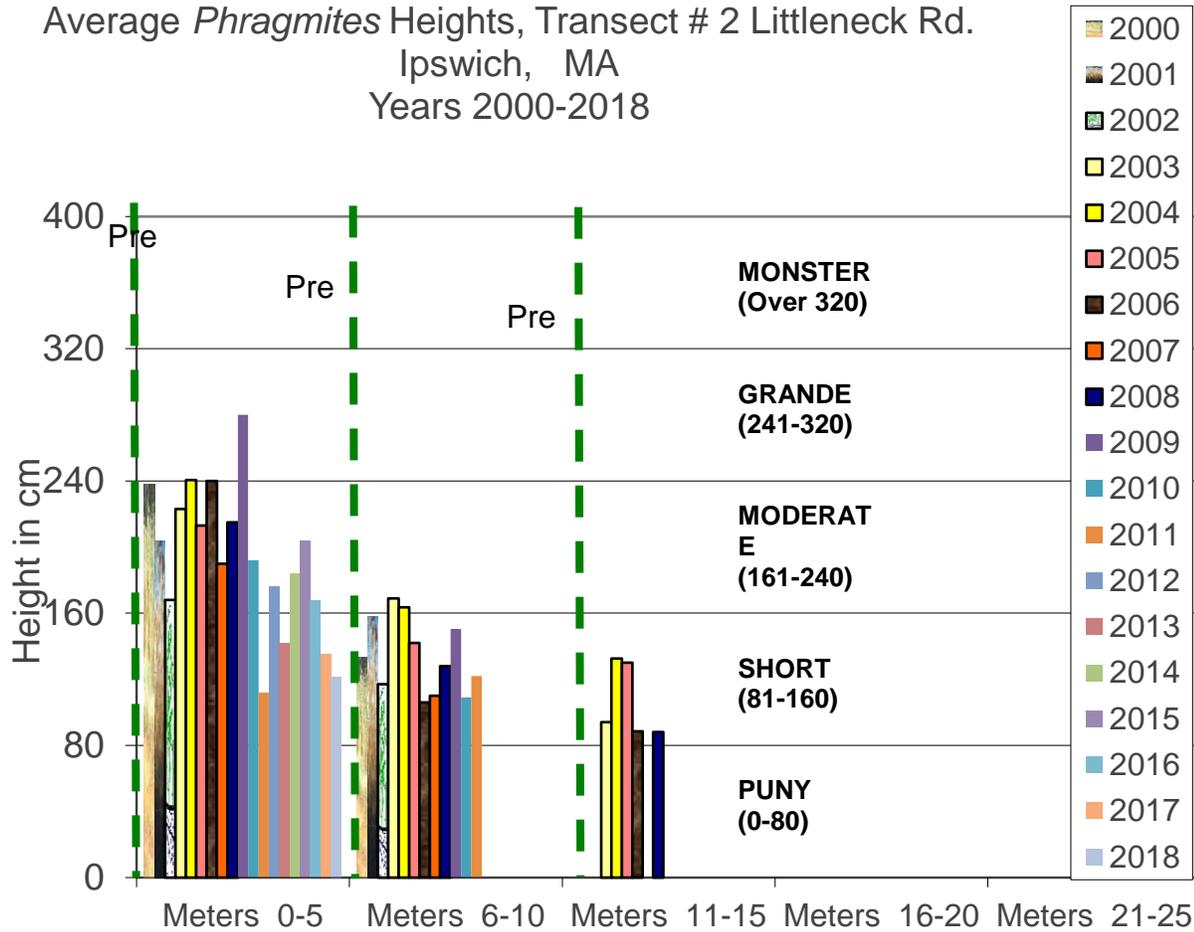


## % Phragmites Monoculture LNR Ipswich





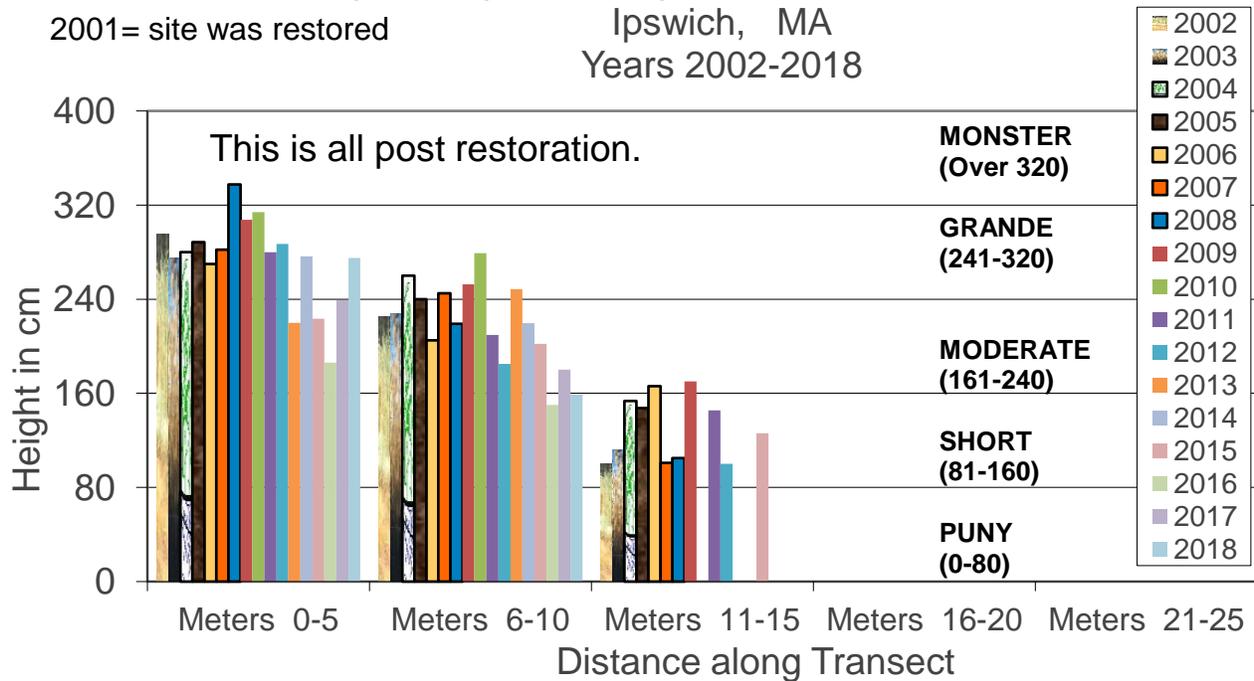
Average *Phragmites* Heights, Transect # 2 Littleneck Rd.  
Ipswich, MA  
Years 2000-2018



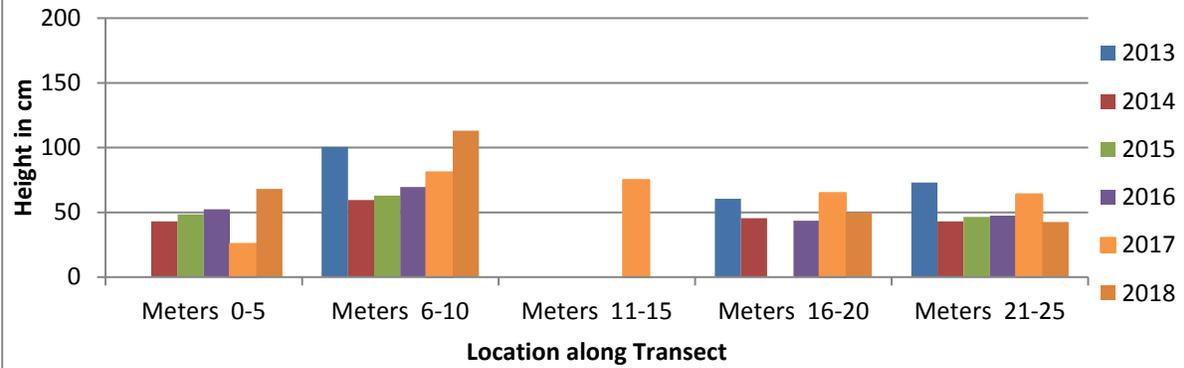
Average *Phragmites* Heights, Transect # 3, Littleneck Rd.

2001= site was restored

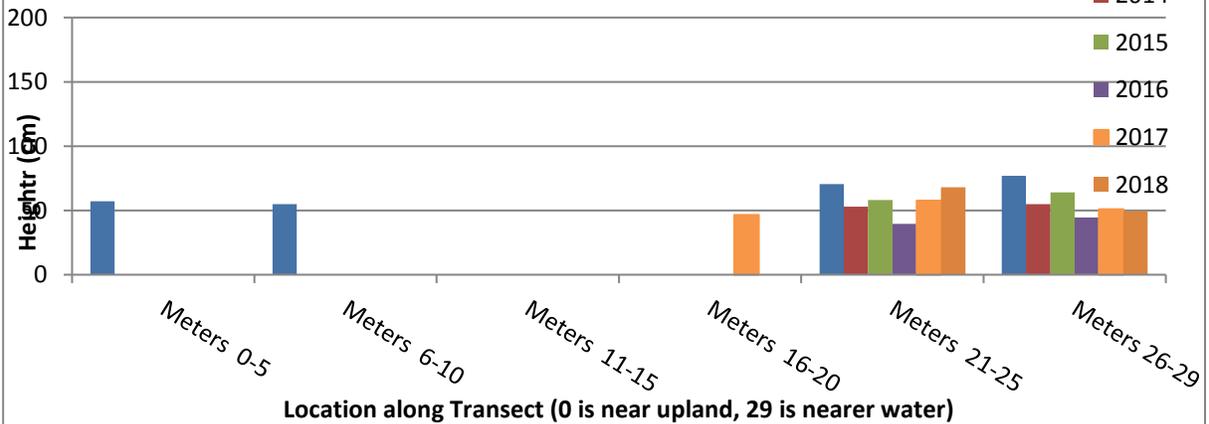
Ipswich, MA  
Years 2002-2018



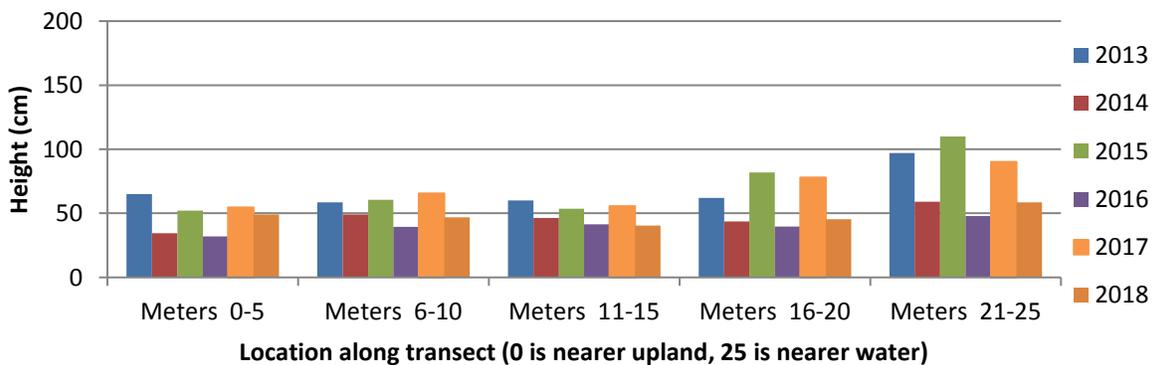
### Tallest Cordgrass Heights Transect 0 (Reference, Downstream) Littleneck Road, Ipswich 2013-2018



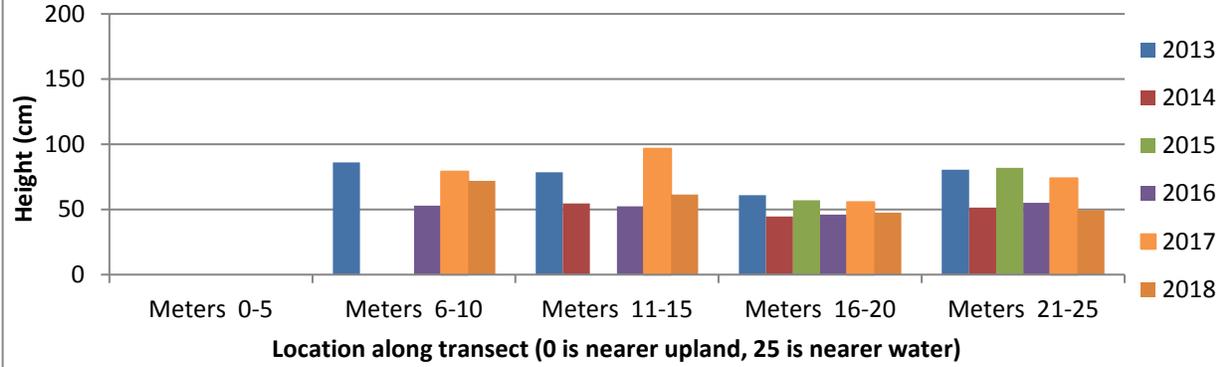
### Tallest Cordgrass Heights Transect 1 Littleneck Road, Ipswich 2013-2018



### Tallest Cordgrass Heights Transect 2 Littleneck Road, Ipswich 2013-2018



### Tallest Cordgrass Heights Transect 3 Littleneck Road, Ipswich 2013-2018



**SPECIES**

upland end

ditch

**1 METER SEGMENTS**

marsh end

# of intervals

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 present in

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	# of intervals present in
Phragmites	1	1	1	1	1	1	1	1																		8
<i>Phragmites australis</i>	1	1	1	1	1	1	1	1																		6
	1	1	1	1	1	1	1	1																		7
	1	1	1	1	1	1	1	1																		7
	1	1	1	1	1	1	1	1																		6
	1	1	1	1	1	1	1	1																		7
	1	1	1	1	1	1	1	1																		8
	1	1	1	1	1	1	1	1																		5
	1	1	1	1	1	1	1	1																		6
	1	1	1	1	1	1	1	1																		4
	1	1	1	1	1	1	1	1																		7
	1	1	1	1	1	1	1	1																		6
	1	1	1	1	1	1	1	1																		8
	1	1	1	1	1	1	1	1																		5
	1	1	1	1	1	1	1	1																		8
	1	1	1	1	1	1	1	1																		2
	1	1	1	1	1	1	1	1																		4
	1	1	1	1	1	1	1	1																		4
	1	1	1	1	1	1	1	1																		5
	1	1	1	1	1	1	1	1																		5
Spikegrass									1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
<i>Distichlis spicata</i>						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19
						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20
						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20
						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17
						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20
						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17
						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17
						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	21
						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17

1 = immature



















