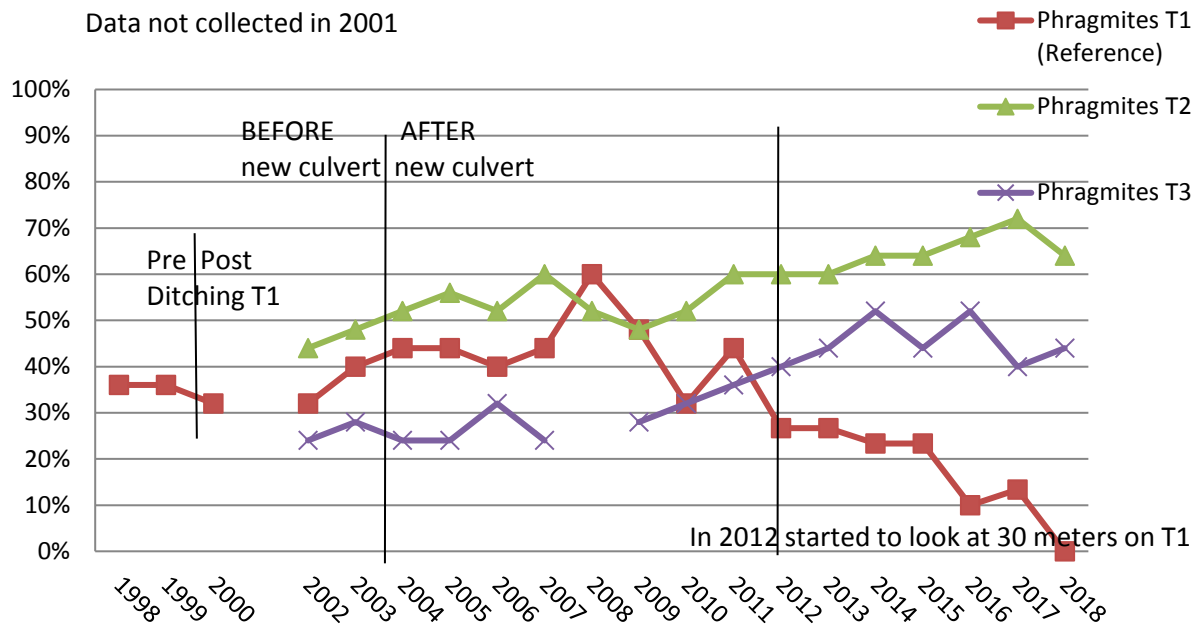
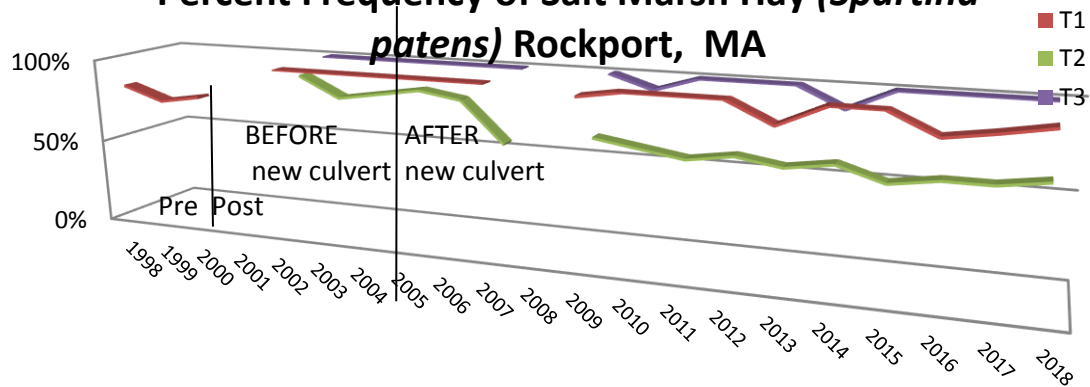


Percent Frequency of *Phragmites*, Rockport, MA

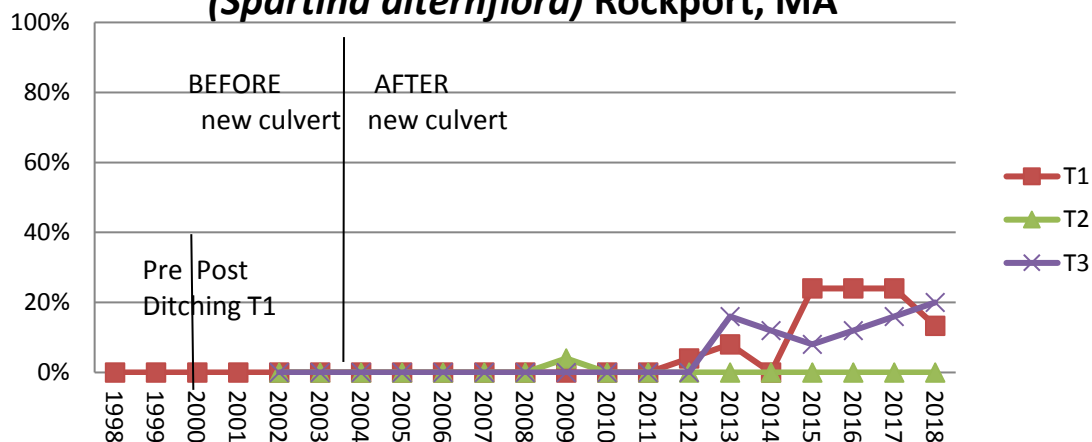
Data not collected in 2001



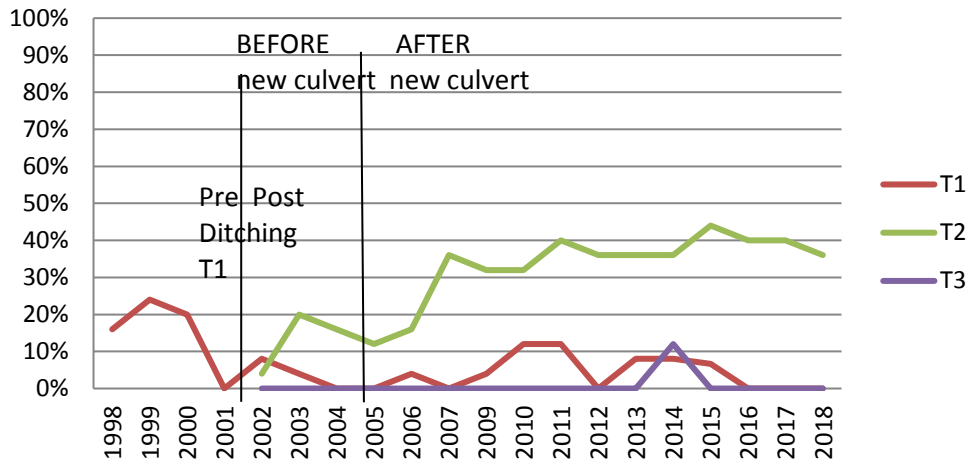
Percent Frequency of Salt Marsh Hay (*Spartina patens*) Rockport, MA



Percent Frequency of Salt Marsh Cordgrass (*Spartina alterniflora*) Rockport, MA

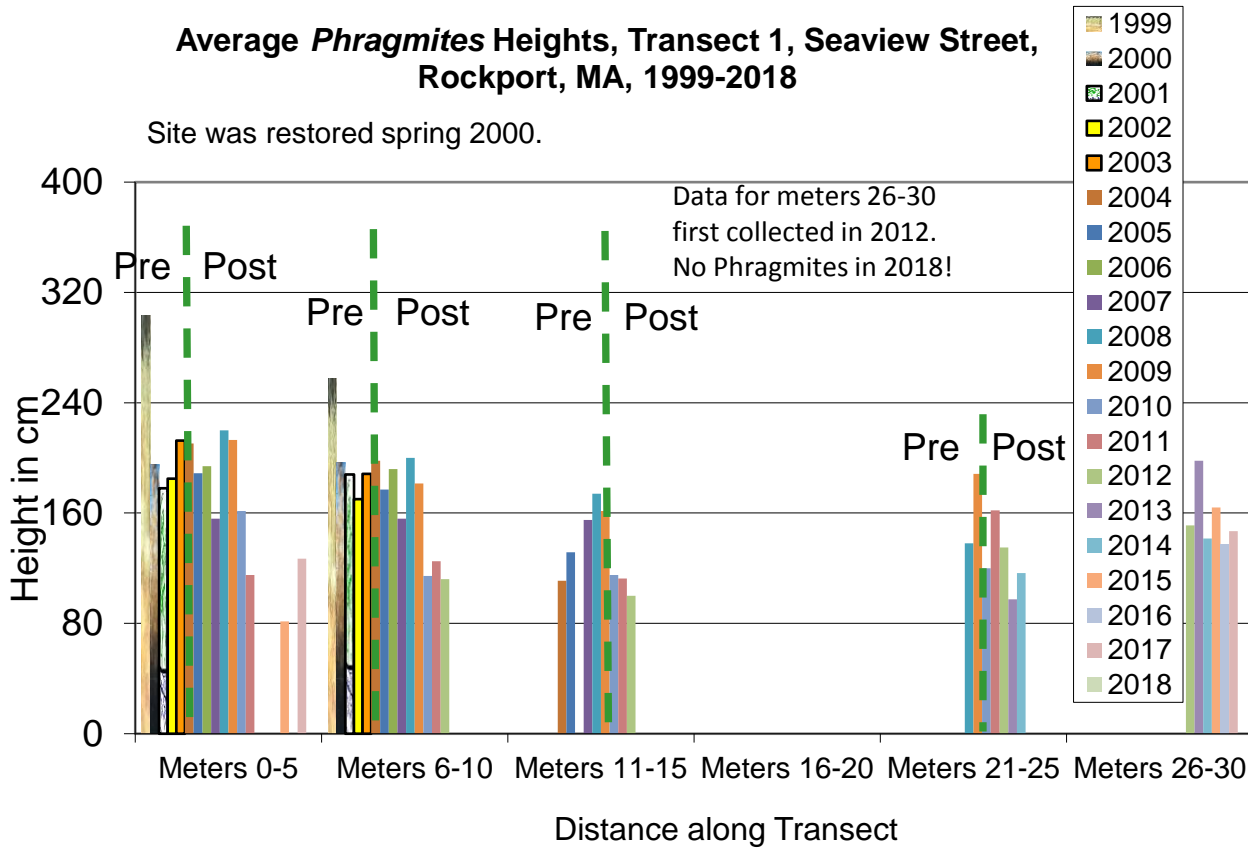


% *Phragmites* Monoculture Rockport



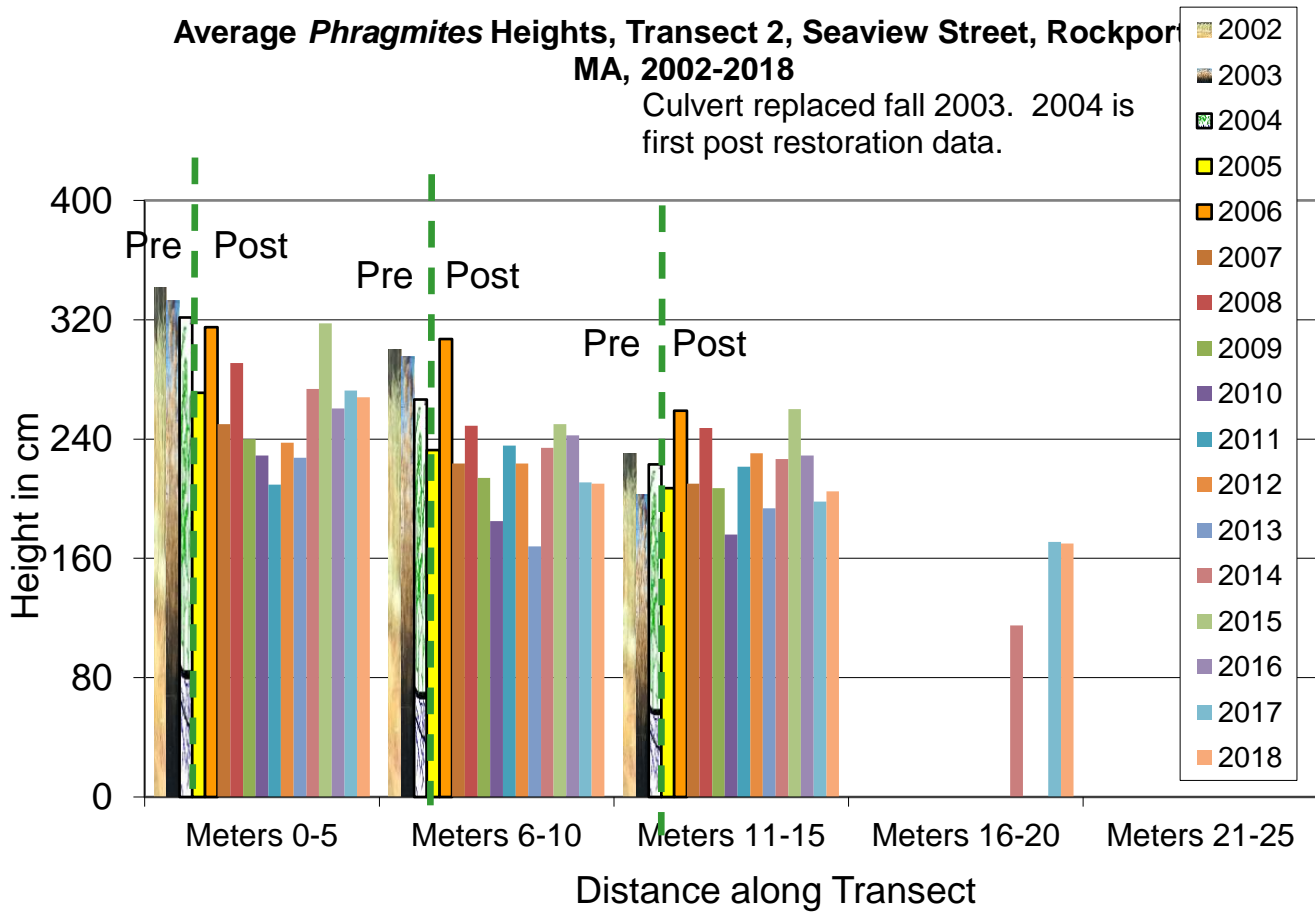
Average *Phragmites* Heights, Transect 1, Seaview Street, Rockport, MA, 1999-2018

Site was restored spring 2000.

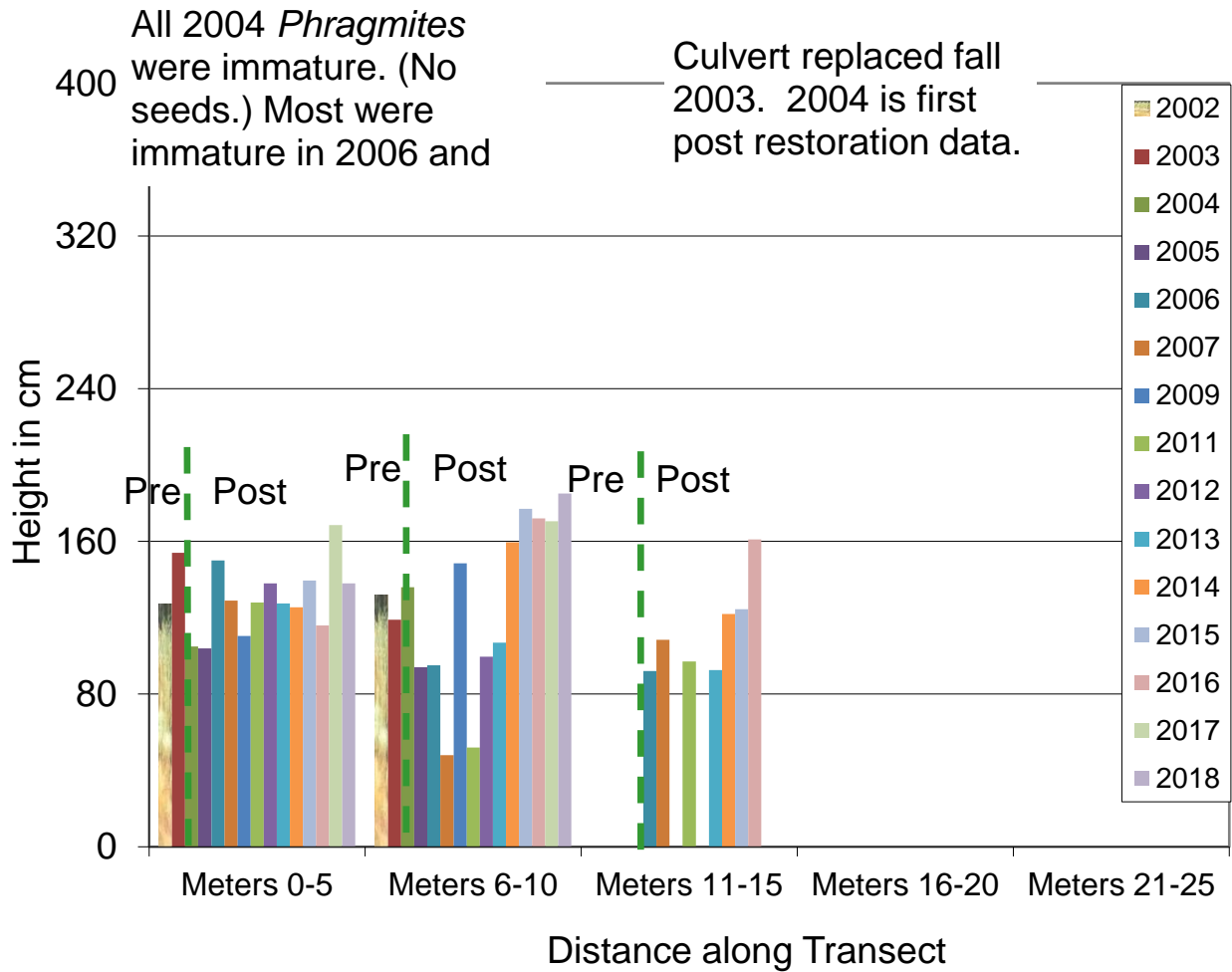


Average *Phragmites* Heights, Transect 2, Seaview Street, Rockport, MA, 2002-2018

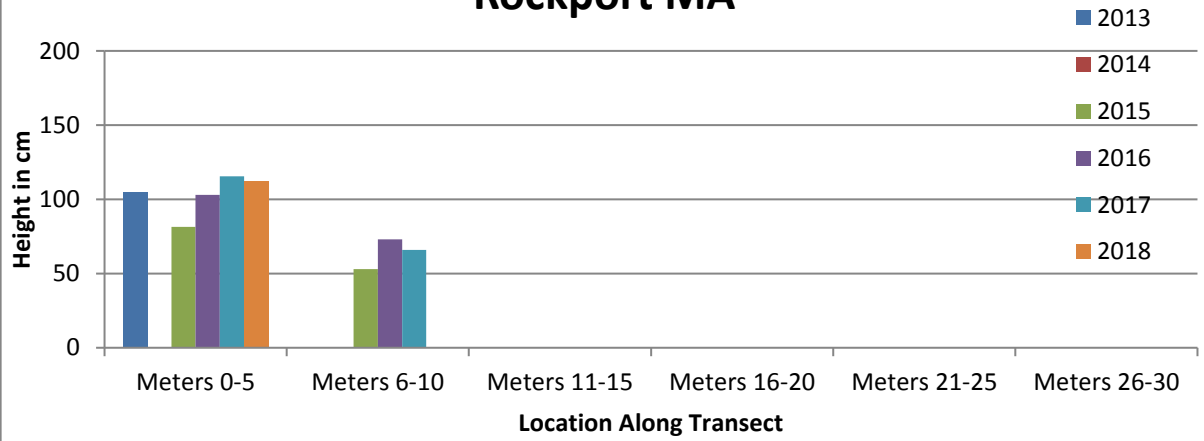
Culvert replaced fall 2003. 2004 is first post restoration data.



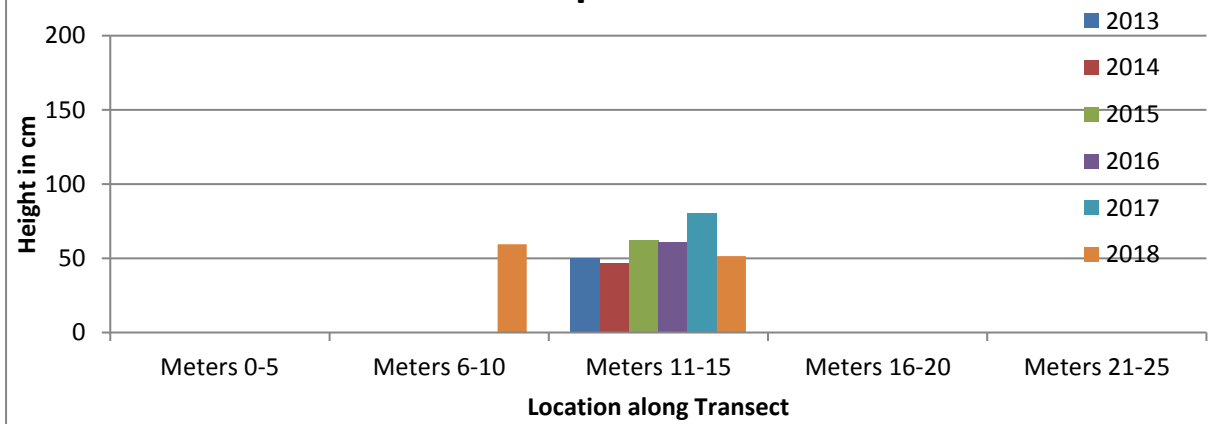
Average *Phragmites* Heights, Transect 3, Seaview Street, Rockport, MA, 2002-2015



Tallest Cordgrass Transect 1, Rockport MA



Tallest Cordgrass Transect 3, Rockport MA



SPECIES	Year	1 METER SEGMENTS										Ditch 1670-1720 '05	marsh end										# of intervals present in first 25 m														
		upland end																																			
Phragmites <i>Phragmites australis</i> is immature Maturity not recorded Maturity not recorded *Started recording 30 Meters in 2012	Pre 1998	1	1	1	1	1	1	1	1	1	1																								9		
	Post 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																									10	
	2004	1	1	1	1	1	1	1	1	1	1																									11	
	2005	1	1	1	1	1	1	1	1	1	1																									11	
	2006	Data Not Recorded																														10					
	2007	Data Not Recorded																														11					
	2008	1	1	1	1	1	1	1	1	1	1																								15		
	2009	1	1	1	1	1	1	1	1	1	1																									12	
	2010	Data Not Recorded																														8					
	2011	1	1	1	1	1	1	1	1	1	1																									11	
	*2012	Data Not Recorded																														8					
	2013	1	1	1	1	1	1	1	1	1	1																									7	
	2014	Data Not Recorded																														7					
	2015	Data Not Recorded																														7					
	2016	Data Not Recorded																														7					
2017	Data Not Recorded																														3						
2018	Data Not Recorded																														4						
2019	Data Not Recorded																														0						
Salt Marsh Cordgrass <i>Spartina alterniflora</i>	2012	Data Not Recorded																														0					
	2013	1	1	Data Not Recorded																												1					
	2014	1	1	Data Not Recorded																												2					
	2015	Data Not Recorded																														0					
	2016	1	1	1	1	1	1	Data Not Recorded																								6					
	2017	1	1	1	1	1	1	Data Not Recorded																								6					
	2018	1	1	1	1	Data Not Recorded																										4					
	2019	Data Not Recorded																																			
	Salt Marsh Hay <i>Spartina patens</i>	Pre 1998	Data Not Recorded																														21				
		Post 1999	Data Not Recorded																														19				
2000		Data Not Recorded																														20					
2001		Data Not Collected																														0					
2002		Data Not Collected																														0					
2003		1	1	1	1	1	1	1	1	1	1																								25		
2004		1	1	1	1	1	1	1	1	1	1																									25	
2005		1	1	1	1	1	1	1	1	1	1																									25	
2006		1	1	1	1	1	1	1	1	1	1																									25	
2007		1	1	1	1	1	1	1	1	1	1																									25	
2008		1	1	1	1	1	1	1	1	1	1																									25	
2009		Data Not Collected																														0					
2010		1	1	1	1	1	1	1	1	1	1																								24		
2011		1	1	1	1	1	1	1	1	1	1																									25	
2012		1	1	1	1	1	1	1	1	1	1																									25	
2013		1	1	1	1	1	1	1	1	1	1																									25	
2014		1	1	1	1	1	1	1	1	1	1																									22	
2015		1	1	1	1	1	1	1	1	1	1																										25
2016		1	1	1	1	1	1	1	1	1	1																										25
2017	1	1	1	1	1	1	1	1	1	1																										23	
2018	1	1	1	1	1	1	1	1	1	1																										29	
2019	Data Not Recorded																																				
Glasswort <i>Salicornia europaea</i>	Pre 1999	Data Not Recorded																														0					
	Post 2000	Data Not Recorded																														8					
	2001	Data Not Collected																														0					
	2002	Data Not Collected																														0					
	2004	Data Not Collected																														2					
	2005	Data Not Collected																														1					
	2006	1	1	1	1	1	1	1	1	1	1																								8		
	2007	Data Not Collected																														0					
	2008	Data Not Collected																														1					
	2009	Data Not Collected																														0					
	2010	Data Not Collected																														0					
	2011	Data Not Collected																														3					
	2012	Data Not Collected																														0					
2013	1	1	1	1	1	1	1	1	1	1																								25			
2014	1	1	1	1	1	1	1	1	1	1																									9		
2015	Data Not Collected																														0						
2016	Data Not Collected																														0						
2017	1	1	1	1	1	1	1	1	1	1																									3		
2018	1	1	1	1	1	1	1	1	1	1																										20	
2019	Data Not Recorded																														0						
Sea Milkwort <i>Glaux maritima</i>	2009	Data Not Recorded																														0					
	2010	Data Not Recorded																														0					
	2011	Data Not Recorded																														1					
	2012	Data Not Recorded																														0					
	2013	Data Not Recorded																														0					
	2014	Data Not Recorded																														0					
	2015	Data Not Recorded																														0					
	2016	Data Not Recorded																														0					
2017	Data Not Recorded																														0						

Mystery Leaf	2013					1	1																				2		
	2014																											0	
	2015																											0	
	2016																											0	
	2017																											0	
	2018																											0	
	2019																											0	
Bare Patch	2010																40	65	98	80	40	20	40				7		
	2011																											0	
	2012																											0	
	2013																											0	
	2014																											0	
	2015																											0	
	2016																											0	
	2017																											0	
	2018																												0
	2019																												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			

Channel after 24 meters. No meter 25!

