



TRUST





Mystic River Monitoring Network Baseline Sites





Bacteria

E. coli Enterococcus

Calculating compliance based on bacteria



Time safe for Swimming



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# Days site below 1,260 E. coli/100 ml = %
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365 Days

Time safe For Boating % of days safe for recreation - 2012

Dry Wet



84%

45%

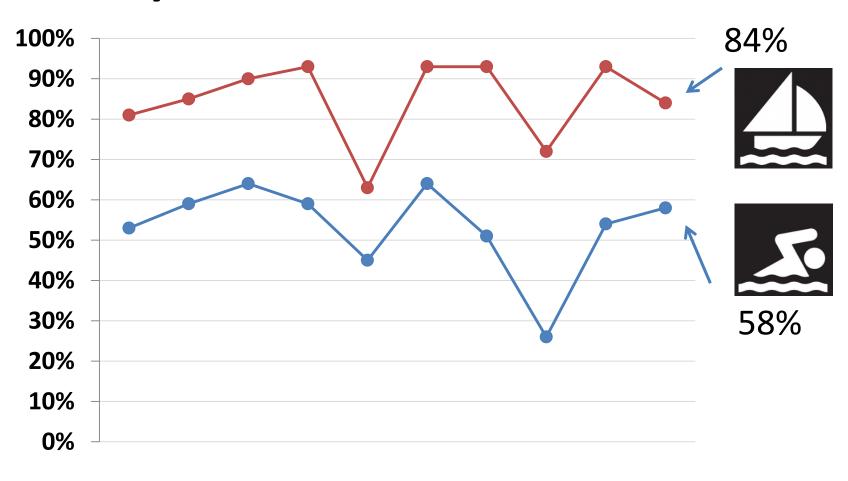


58%

14%

Dry Weather

% Days Safe for Recreation Each Year



Wet Weather % Days Safe for Recreation Each Year

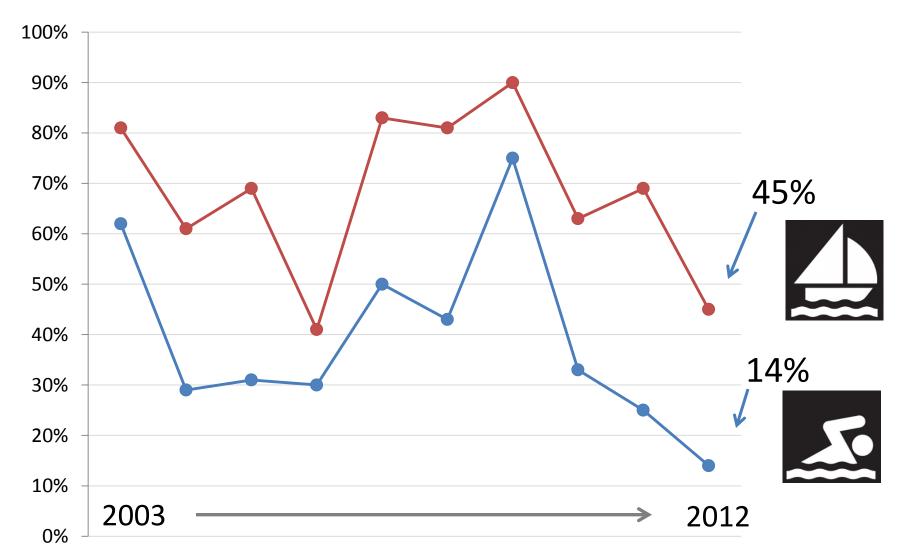
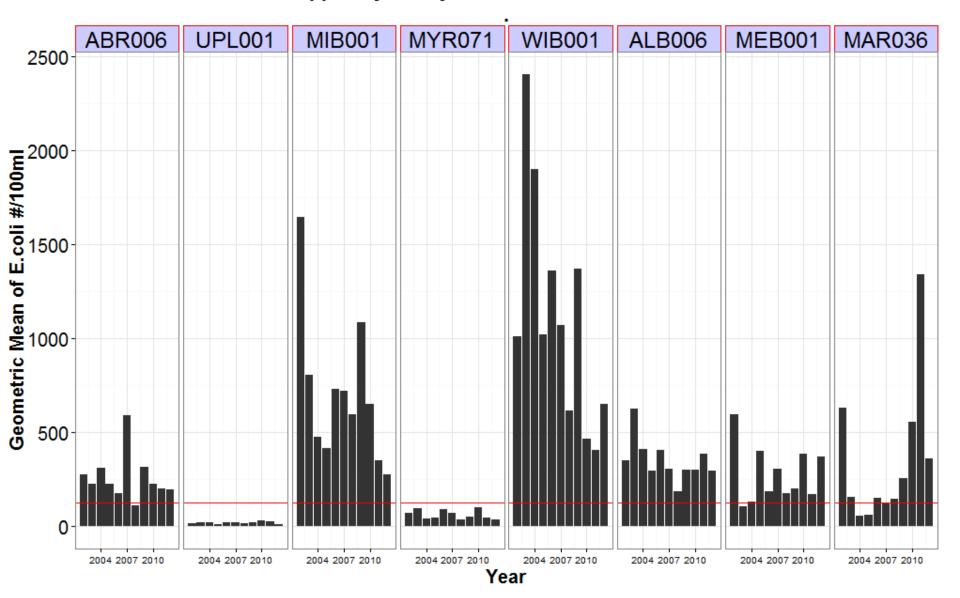


Table of Upper Mystic Bacteria Results

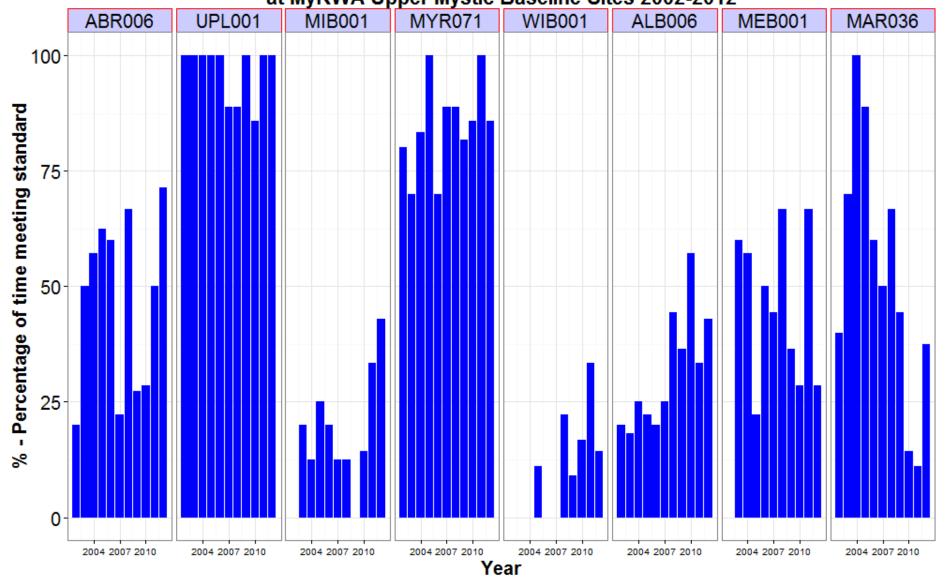
Date

	DRY	DRY	DRY	DRY	WET	DRY	DRY	DRY	WET	DRY	DRY	WET
	1/18	2/15	3/21	4/18	5/16	6/20	7/18	8/15	9/19	10/17	11/14	12/19
Alewife Brook @												
Broadway Bridge,		224			4700		242	205		224	4000	
Somerville	605	281	327	327	1780	211	213	295	24200	231	1660	1040
Mystic River @												
High St. Bridge,	440	40	40	40		440	24		075		00	205
Medford	419	10	10	10		110	31	41	275	41	63	285
Mill Brook @ Mt.												
Pleasant cemetary,												
Arlington	20	197	121	364	379	932	1870	1420	24200	408	620	1280
Aberjona River @												
USGS Gaging	700				4000	400	450	404	0.4000		4000	4040
Station, Winchester	738	145	63	226	1660	496	158	131	24200	98	1300	1040
Aberjona River @												
Washington St.,	4500	754		470	4000	244	500	205	44400	250	4000	000
Winchester	1560	754	52	173	1220	244	528	295	14100	350	1020	663
Aberjona River @												
Salem St., Woburn	288	216	31	73	1350	246	906	118	24200	228	341	816
Malden River @	200	210	31	13	1330	240	900	110	24200	220	341	010
Medford St. bridge,												
Malden	1310	1290	41	253		134	399	148	24200	2140	2250	1560
Meetinghouse	1310	1250	41	255		134	333	140	24200	2140	2230	1300
Brook @ Mystic R.,												
Medford	173	63	557	5480	496	272	250	481	9800	413	2480	1610
	110		001	0.00	100	2.72	200	101	0000	110	2100	1010
Upper Mystic Lake												
@ dam, Medford	10	10	10	10	41	10	31	52	74	10	10	10
Winn's Brook @												
Little Pond,												
Belmont	305	2280	10	278	631	1040	2480	521	10500	9800	1790	529
-												

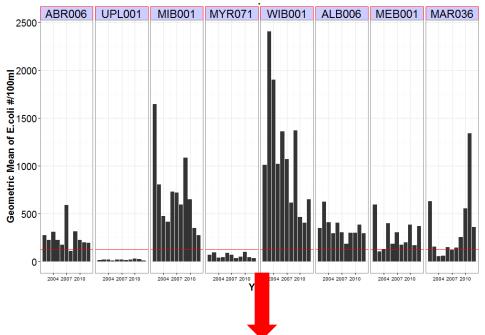
Geometric mean of E. coli concentrations in dry weather at Upper Mystic MyRWA Baseline Sites 2002-2012



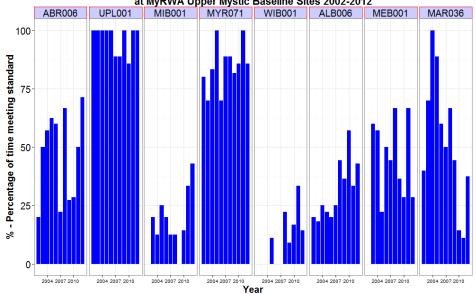
Percentage of time that site meets 'Swimming Standard' at MyRWA Upper Mystic Baseline Sites 2002-2012



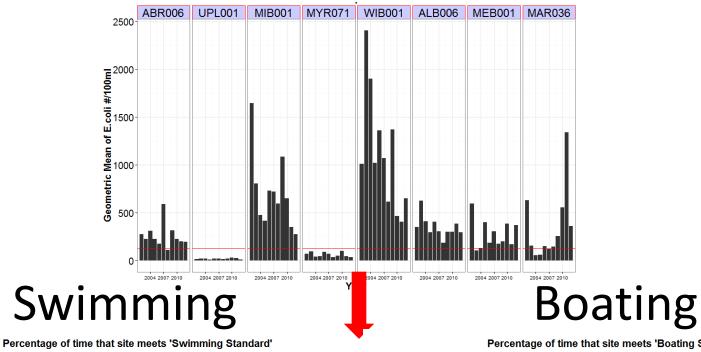
Geometric mean of E. coli concentrations in dry weather at Upper Mystic MyRWA Baseline Sites 2002-2012

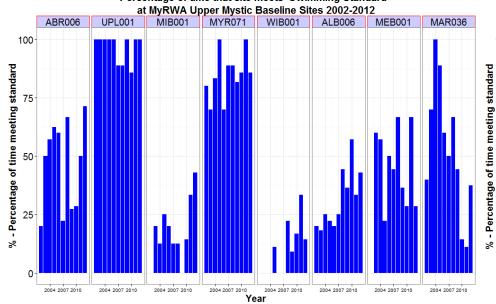


Percentage of time that site meets 'Swimming Standard' at MyRWA Upper Mystic Baseline Sites 2002-2012

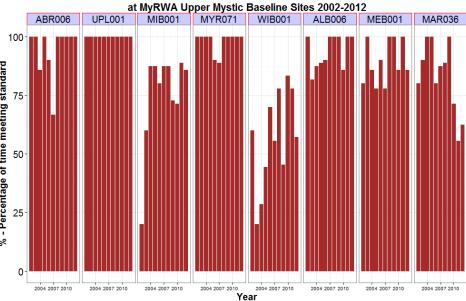


Geometric mean of E. coli concentrations in dry weather at Upper Mystic MyRWA Baseline Sites 2002-2012

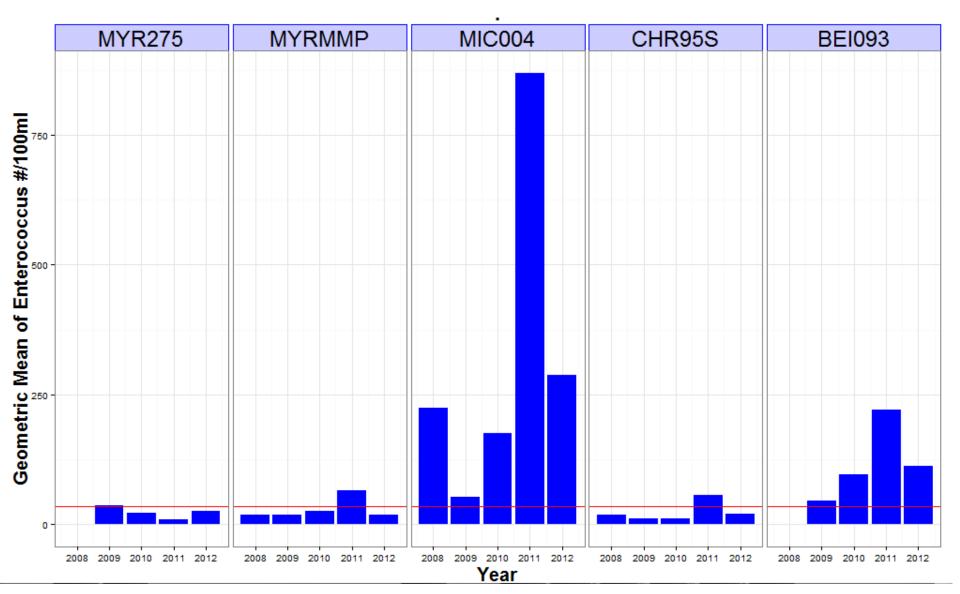




Percentage of time that site meets 'Boating Standard'



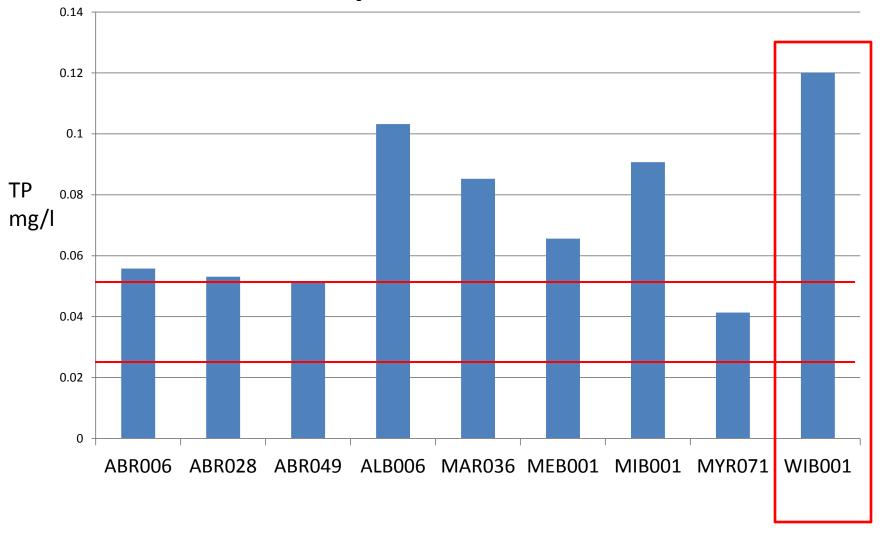
Geometric mean of Enterococcus concentrations in dry weather at Lower Mystic MyRWA Baseline Sites 2008-2012



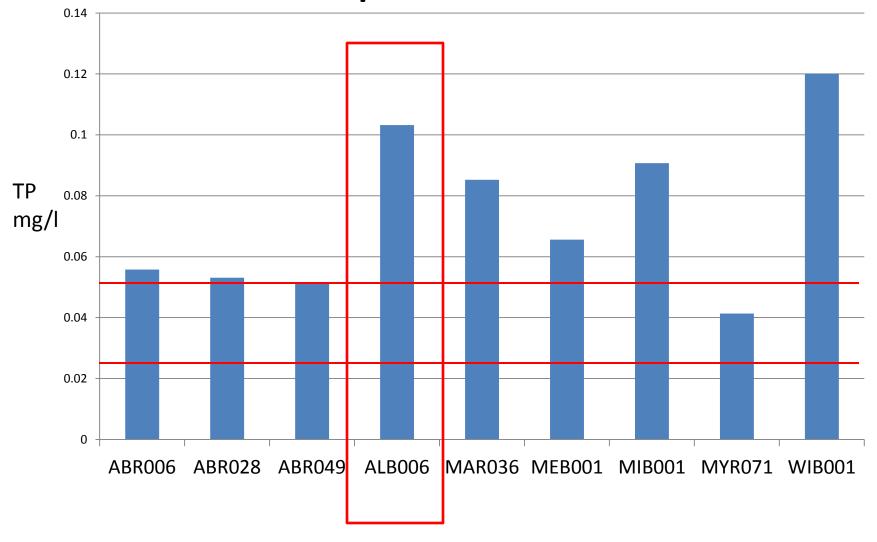
Nutrients

Phosphorus

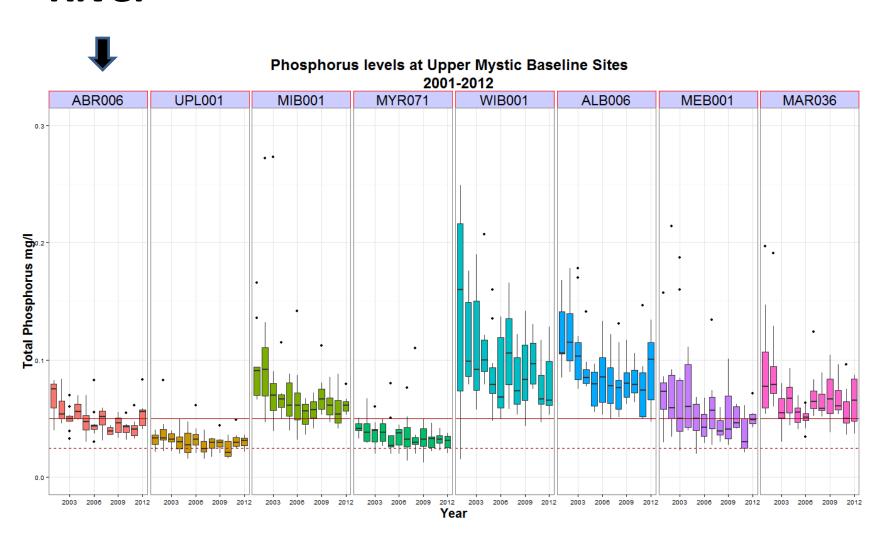
Mean Phosphorus Levels - 2012



Mean Phosphorus Levels - 2012



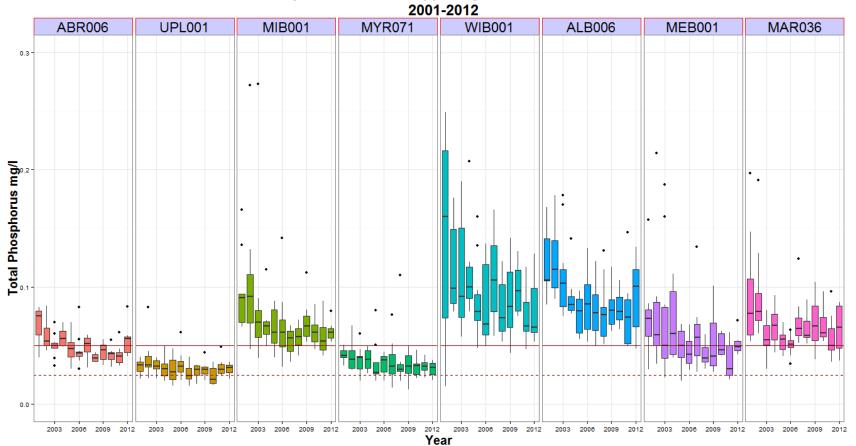
Aberjona River



Upper Mystic Lake

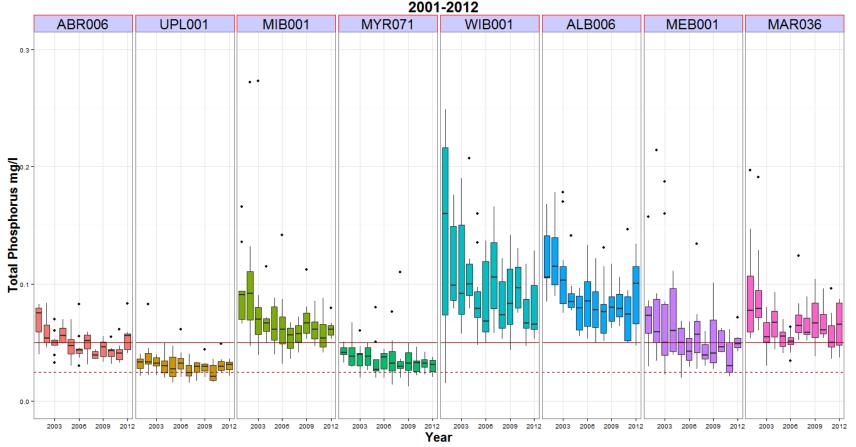


Phosphorus levels at Upper Mystic Baseline Sites



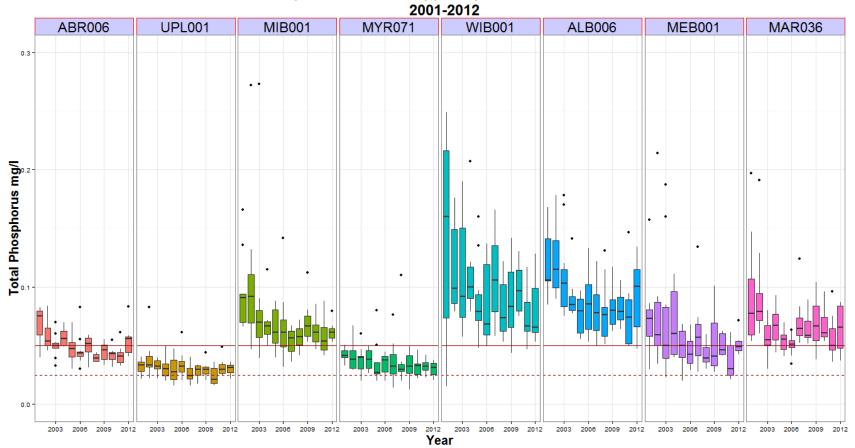
Mill Brook

Pho phorus levels at Upper Mystic Baseline Sites 2001-2012

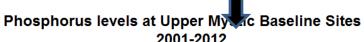


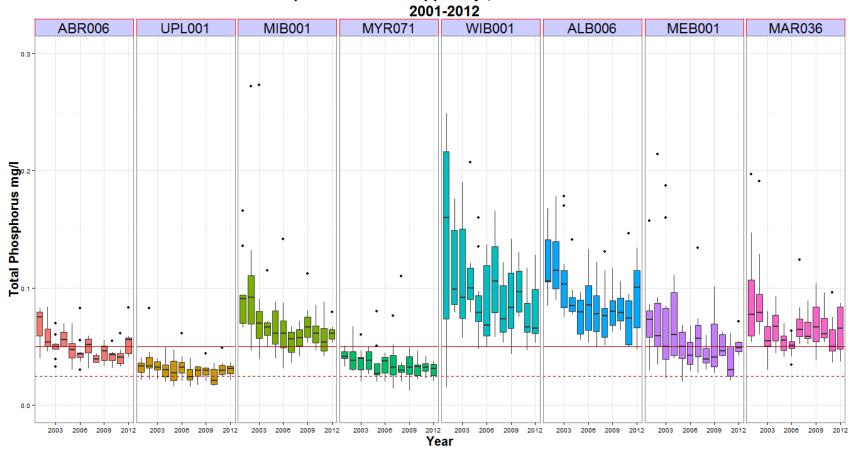
Mystic River

Phosphorus level at Upper Mystic Baseline Sites



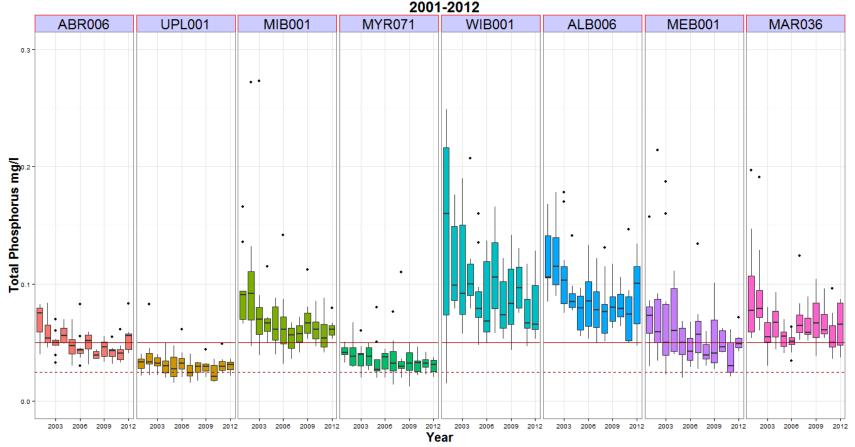
Winn Brook



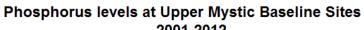


Alewife Brook

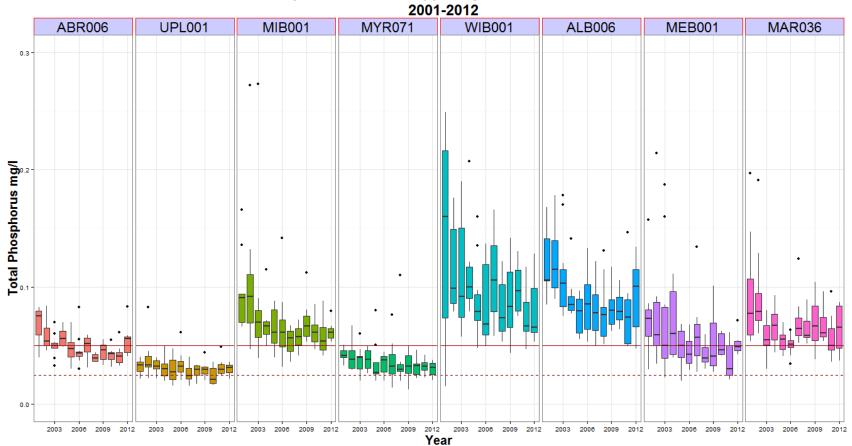
Phosphorus levels at Upper Mystic Baseline Ses 2001-2012



Meetinghouse Brook



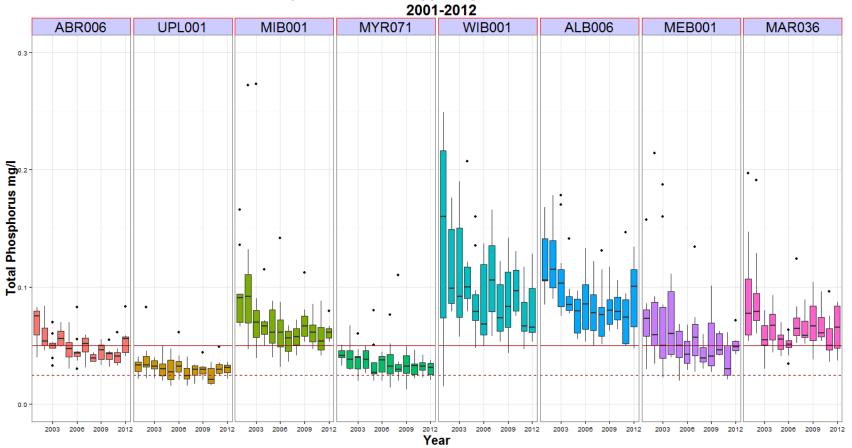




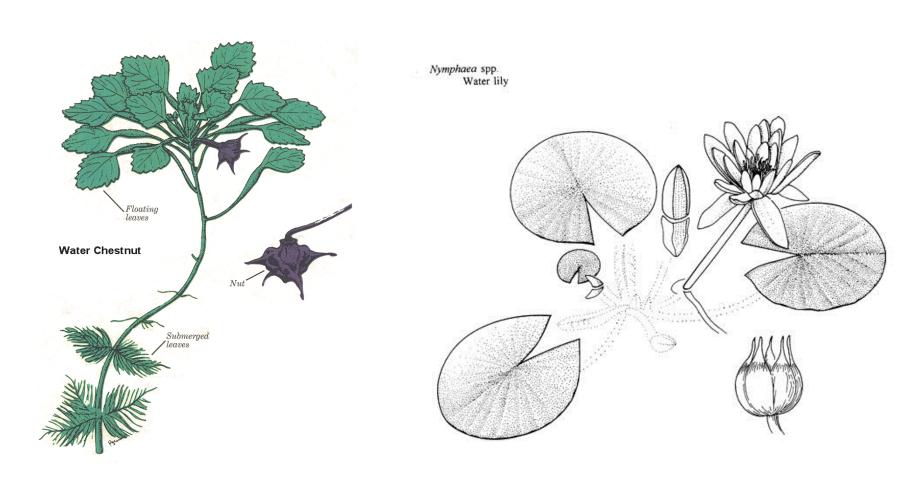
Malden River



Phosphorus levels at Upper Mystic Baseline Sites



Water Chestnut and Water Lily



Water Chestnut

