

2005 Parameter Data: 2005 Greenwich Bay Dissolved Phosphorus

In most estuaries nitrogen is the primary nutrient that controls algal growth. However like nitrogen, phosphorus is an important aquatic nutrient. Phosphorus, particularly in its dissolved form, is actively cycled in marine systems by organisms. Taken up by plants from seawater, phosphorus passes up the food chain via herbivores and carnivores, and eventually is recycled to dissolved forms within the water column and bottom sediments by bacteria and other organisms.

Watershed code	LOCATION	Sample Depth (m)	MAY JUNE JULY AUG. SEPT. OCT. MEAN						
			-- (ug/l or ppb) --						
NA	Greenwich Bay #1 - Middle Ground Buoy	1	-	-	40	64	62	99	66
NA	Greenwich Bay #1 - Middle Ground Buoy	DEEP	-	-	38	67	64	92	65
NA	Greenwich Bay #2 - Sally Rock	1	-	-	-	-	-	91	91
NA	Greenwich Bay #2 - Sally Rock	DEEP	-	-	-	-	-	109	109
NA	Greenwich Bay #3 - The Brothers	1	-	-	69	86	60	69	71
NA	Greenwich Bay #3 - The Brothers	DEEP	-	-	90	82	47	85	76
NA	Greenwich Bay #4 - Greenwich Bay Marina	0.5	-	-	52	86	65	91	74
NA	Greenwich Bay #4 - Greenwich Bay Marina	DEEP	-	-	-	80	55	99	78
NA	Greenwich Bay #6 - Ponaug Marina	0.5	-	-	48	-	-	-	48
NA	Greenwich Bay #6 - Ponaug Marina	DEEP	-	-	55	-	-	-	55
NA	Greenwich Bay #8 - Little Rhody Boat Club	0.5	-	-	55	63	94	29	60
NA	Greenwich Bay #8 - Little Rhody Boat Club	DEEP	-	-	53	73	87	41	64
NA	Greenwich Bay #9 - Warwick Cove Marina	0.5	-	-	64	75	90	81	78
NA	Greenwich Bay #9 - Warwick Cove Marina	DEEP	-	-	57	62	84	89	73
NA	Greenwich Bay #10 - Greenwich Bay North Marina	0.5	-	-	75	69	91	93	82
NA	Greenwich Bay #10 - Greenwich Bay North Marina	DEEP	-	-	73	78	81	82	79
NA	Greenwich Bay #13 - EG Town Dock	0.5	-	-	111	124	74	84	98
NA	Greenwich Bay #13 - EG Town Dock	DEEP	-	-	122	138	70	91	105
NA	Greenwich Bay #14 - Wharf Marina	0.5	-	-	-	102	73	86	87
NA	Greenwich Bay #14 - Wharf Marina	DEEP	-	-	-	89	69	118	92

Recommended level of phosphorus in estuaries is 10 to 100 ppb.