

APPENDIX I
NEIWPCC Tidal Wetlands Trends Analysis

Figure 26: Gardiners County Park (Complex ID #418)

[See Page E4, Appendix I for Locator Map]

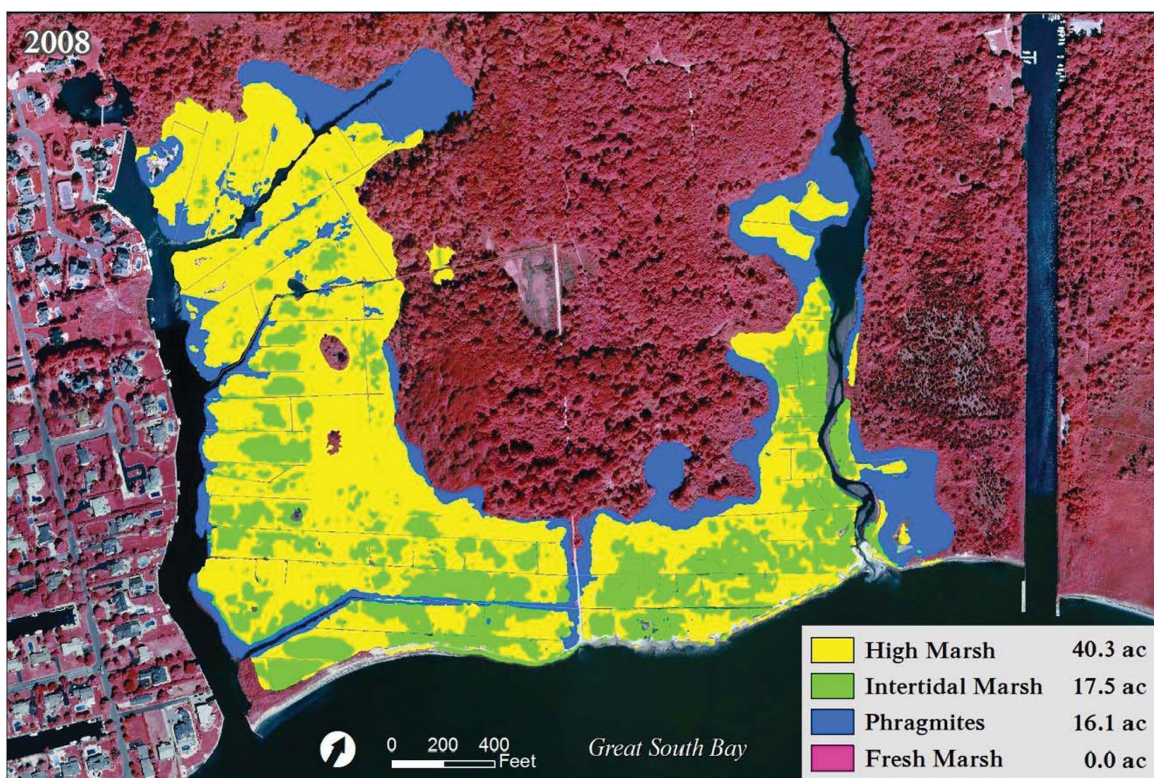
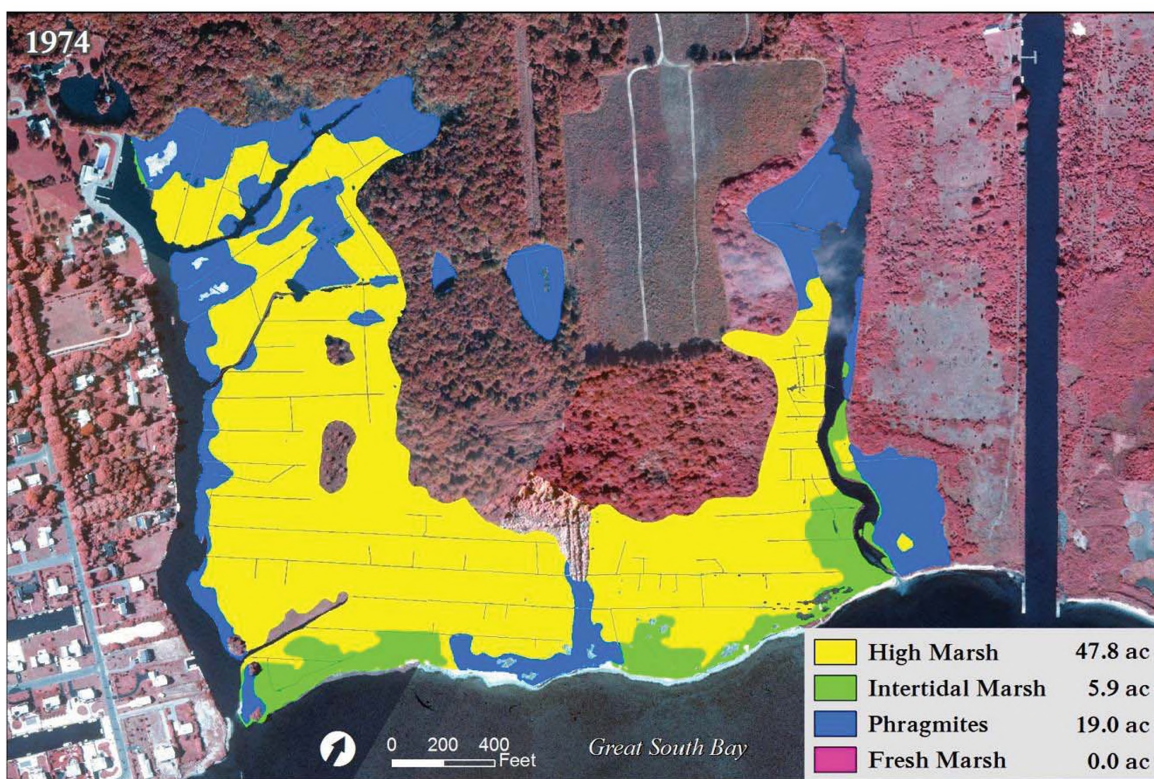


Figure 27: Pepperidge State Tidal Wetlands (Complex ID #434)

[See Page E4, Appendix I for Locator Map]

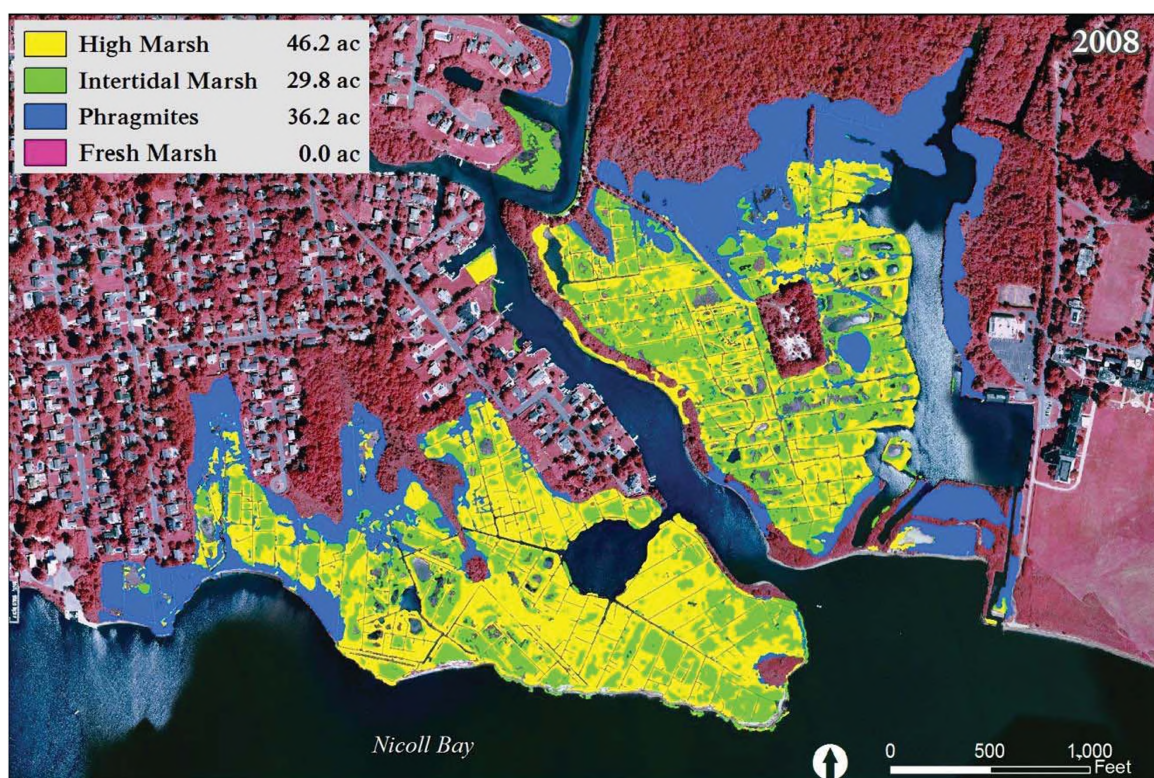
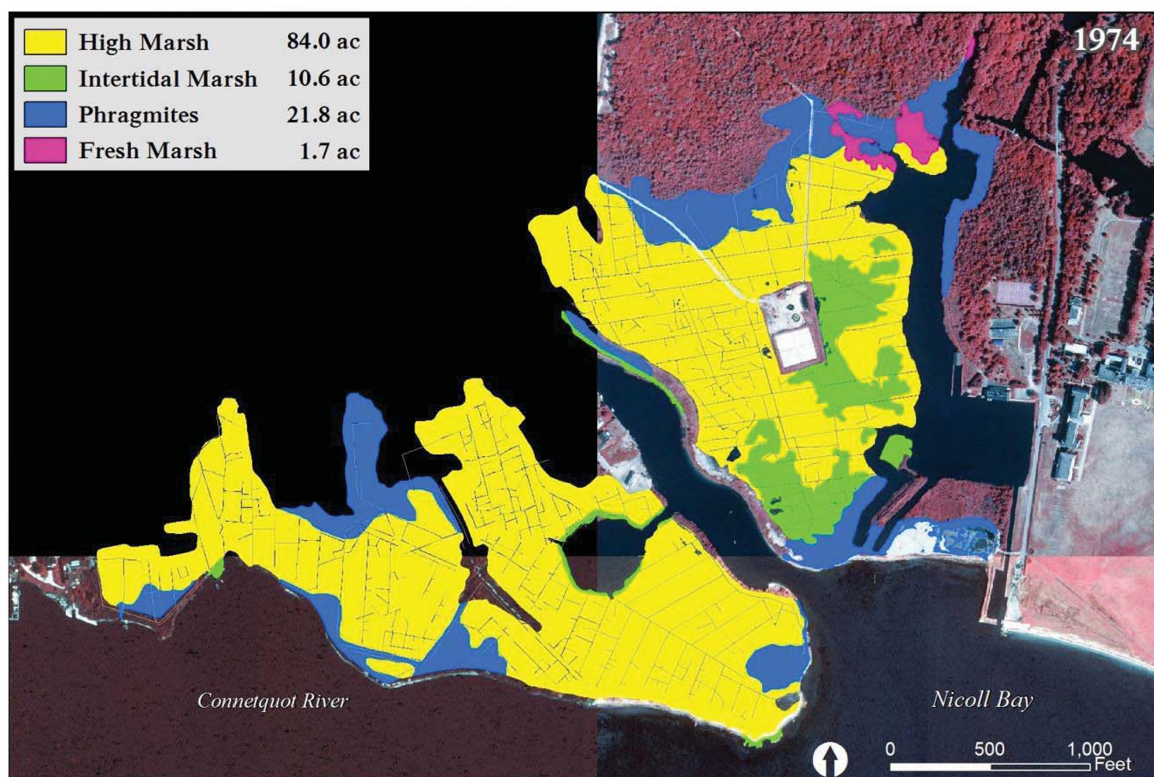
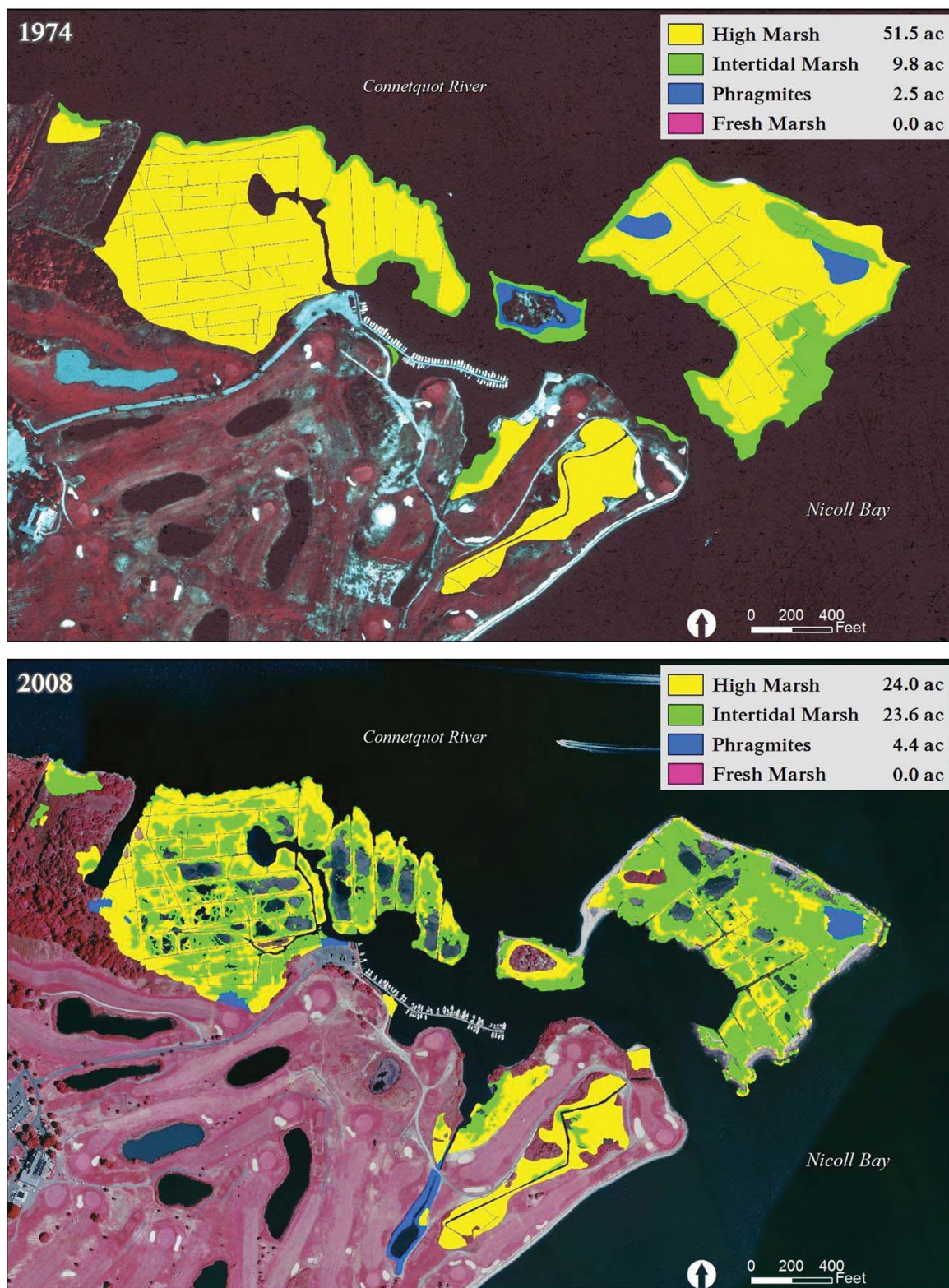


Figure 9: Timber Point (Complex ID #431)

[See Page F4, Appendix I for Locator Map]



Complex ID # ¹	Wetland Complex	Estuary	County	Town/Village	Centroid Latitude	Centroid Longitude	1974 Intertidal Marsh Area (acres)	1974 High Marsh Area (acres)	1974 Phragmites Area (acres)	1974 Coastal Fresh Marsh Area (acres)	2005/2008 Intertidal Marsh Area (acres)	2005/2008 High Marsh Area (acres)	2005/2008 Phragmites Area (acres)	2005/2008 Coastal Fresh Marsh Area (acres)
409	Oak Beach Missing TWL	South Shore Estuary	Suffolk	Babylon	40.63951	-73.27068	0.00	11.86	0.00	0.00	0.00	5.87	5.33	0.00
410	Captree Island & Seaganus Thatch	South Shore Estuary	Suffolk	Islip	40.65134	-73.26450	317.57	276.85	38.71	0.00	441.00	96.61	9.17	0.00
411	Sand Island	South Shore Estuary	Suffolk	Islip	40.65927	-73.24004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
412	Saxton Island	South Shore Estuary	Suffolk	Islip	40.65141	-73.22846	22.95	8.22	0.00	0.00	19.07	3.84	0.03	0.00
413	Indian Island County Park-Babylon	South Shore Estuary	Nassau	Babylon	40.66482	-73.37121	0.43	0.00	30.40	0.00	0.06	1.21	5.56	0.00
414	Neguntatogue Creek	South Shore Estuary	Suffolk	Babylon	40.67226	-73.35647	0.00	0.34	0.00	0.00	0.00	0.29	0.00	0.00
415	Santapogue Creek	South Shore Estuary	Suffolk	Babylon	40.67595	-73.34840	0.64	1.22	5.98	0.00	0.58	1.05	3.99	0.00
416	West Babylon/Mud Creek	South Shore Estuary	Suffolk	Babylon	40.68326	-73.33873	0.00	2.49	0.00	0.00	0.35	2.52	0.42	0.00
417	Conklin Point	South Shore Estuary	Suffolk	Islip	40.68696	-73.27930	0.63	0.00	5.71	0.00	0.20	0.16	0.34	0.00
418	Gardiners County Park	South Shore Estuary	Suffolk	Islip	40.69633	-73.27347	5.85	47.81	18.96	0.00	17.48	40.27	16.11	0.00
419	Isebrandtsen State TWL	South Shore Estuary	Suffolk	Islip	40.70186	-73.26172	0.00	20.89	30.96	0.00	3.50	20.93	27.26	0.00
420	Democrat Point	South Shore Estuary	Suffolk	Islip	40.62511	-73.69223	0.00	0.00	0.00	0.00	5.45	0.66	0.00	0.00
421	Robert Moses State Park	South Shore Estuary	Suffolk	Islip	40.63020	-73.23745	6.87	16.29	16.66	0.00	0.25	1.35	27.60	0.00
422	Clam Pond	South Shore Estuary	Suffolk	Islip	40.64097	-73.19196	11.13	7.25	10.63	0.00	12.01	6.56	11.02	0.00
423	West Fire Island	South Shore Estuary	Suffolk	Islip	40.65667	-73.19949	0.00	0.00	0.00	0.00	1.13	0.42	0.00	0.00
424	East Fire Island	South Shore Estuary	Suffolk	Islip	40.65638	-73.18157	67.28	63.05	0.00	0.00	76.35	25.15	0.00	0.00
425	Lawrence Creek	South Shore Estuary	Suffolk	Islip	40.71286	-73.25118	0.08	0.00	0.00	0.00	0.00	0.06	0.01	0.00
426	Seatuck NWR	South Shore Estuary	Suffolk	Islip	40.71087	-73.21082	0.00	43.26	33.24	0.00	7.00	24.63	28.02	0.00
427	Champlins Creek	South Shore Estuary	Suffolk	Islip	40.71842	-73.20300	0.00	0.83	0.00	0.00	0.02	0.02	0.48	0.00
428	Islip Meadows Park	South Shore Estuary	Suffolk	Islip	40.70979	-73.19447	2.54	24.75	15.83	0.00	6.98	18.00	16.87	0.00
429	Quintuck Creek	South Shore Estuary	Suffolk	Islip	40.70798	-73.18363	2.07	86.73	27.11	0.00	16.54	69.44	34.12	0.00
430	Heckscher State Park FC Wetland	South Shore Estuary	Suffolk	Islip	40.70492	-73.15913	0.00	43.31	85.05	0.00	24.49	31.97	69.11	0.00
431	Timber Point	South Shore Estuary	Suffolk	Islip	40.71721	-73.14288	9.79	51.52	2.53	0.00	23.62	23.97	4.38	0.00
432	Grand Canal & Pickman Wetlands	South Shore Estuary	Suffolk	Islip	40.73244	-73.14885	0.54	29.11	50.31	0.00	1.61	18.31	60.62	0.00
433	Connetquot River	South Shore Estuary	Suffolk	Islip	40.73109	-73.15741	0.00	2.19	0.00	0.00	0.16	0.33	2.98	0.00
434	Pepperidge State Tidal Wetlands	South Shore Estuary	Suffolk	Islip	40.73069	-73.12796	10.64	84.06	21.79	1.69	29.79	46.17	36.23	0.00
435	Indian Creek	South Shore Estuary	Suffolk	Islip	40.72565	-73.10827	21.91	73.05	21.27	1.63	39.97	39.60	35.60	0.00
436	Green Creek	South Shore Estuary	Suffolk	Islip	40.72650	-73.09062	0.00	0.00	6.54	0.00	0.03	0.05	6.27	0.00
437	Brown's River South	South Shore Estuary	Suffolk	Islip	40.72975	-73.07025	0.00	1.35	36.57	0.02	0.00	1.19	39.20	0.00
438	Brown's River North	South Shore Estuary	Suffolk	Islip	40.73961	-73.07197	0.00	0.95	21.88	13.92	0.00	0.02	27.07	5.02
439	Point O' Woods	South Shore Estuary	Suffolk	Brookhaven	40.65350	-73.12898	0.00	3.63	2.80	0.00	0.12	2.95	4.79	0.00
440	Sunken Forest	South Shore Estuary	Suffolk	Brookhaven	40.65669	-73.11009	0.27	4.56	2.44	0.00	0.48	5.47	7.37	0.00
441	Fire Island Pines West	South Shore Estuary	Suffolk	Brookhaven	40.66276	-73.08076	0.00	0.00	3.38	0.00	0.09	0.21	4.02	0.00
442	Barrett Beach to Davis Park	South Shore Estuary	Suffolk	Brookhaven	40.67723	-73.02746	2.97	0.13	0.46	0.00	0.03	0.59	0.74	0.00
443	Davis Park	South Shore Estuary	Suffolk	Brookhaven	40.68614	-73.00385	0.89	0.44	1.42	0.00	0.03	0.05	0.95	0.00
444	Watch Hill West	South Shore Estuary	Suffolk	Brookhaven	40.69020	-72.99351	3.15	1.71	7.77	0.00	0.10	0.43	10.17	0.00
445	Fire Island National Seashore	South Shore Estuary	Suffolk	Islip	40.71520	-72.92958	123.93	357.72	65.30	0.00	218.04	241.39	60.40	0.00
446	Ridge Island	South Shore Estuary	Suffolk	Brookhaven	40.72841	-72.91521	19.34	14.96	0.00	0.00	11.48	18.86	0.00	0.00
447	John Boyle Island	South Shore Estuary	Suffolk	Brookhaven	40.74046	-72.89588	0.00	0.00	4.06	0.00	0.22	0.25	2.53	0.00
448	Namkee Creek	South Shore Estuary	Suffolk	Brookhaven	40.73367	-73.04047	0.00	1.79	21.47	0.00	0.27	3.60	18.20	0.00
449	Stillman Creek	South Shore Estuary	Suffolk	Brookhaven	40.73812	-73.03570	0.00	13.09	20.72	0.00	6.20	12.99	11.67	0.00
450	Corey Creek	South Shore Estuary	Suffolk	Brookhaven	41.03709	-72.42439	0.00	1.18	0.46	0.00	0.02	0.84	0.30	0.00
451	Tuthill Creek-Brookhaven	South Shore Estuary	Suffolk	Brookhaven	40.75511	-73.02464	0.00	1.00	0.17	3.50	0.16	0.18	3.91	0.00
452	Patchogue River	South Shore Estuary	Suffolk	Brookhaven	40.75735	-73.01880	0.00	0.00	0.00	0.13	0.00	0.45	0.19	0.00
453	Swan River	South Shore Estuary	Suffolk	Brookhaven	40.75695	-72.99657	3.83	17.62	32.52	7.78	0.70	13.29	36.90	0.00
454	Mud Creek	South Shore Estuary	Suffolk	Brookhaven	40.75521	-72.98647	0.00	24.53	13.92	11.03	0.96	17.54	17.05	0.00
455	Abetts Creek	South Shore Estuary	Suffolk	Brookhaven	40.75381	-72.97682	0.00	1.85	10.78	0.00	0.92	4.97	10.20	0.00
456	Hedges Creek	South Shore Estuary	Suffolk	Brookhaven	40.74785	-72.96689	0.00	18.88	5.70	0.77	7.82	6.45	6.73	0.00
457	Lymans Marsh	South Shore Estuary	Suffolk	Brookhaven	40.74500	-72.96147	0.00	6.19	14.65	0.00	3.76	2.33	10.74	0.00
458	Howells Creek	South Shore Estuary	Suffolk	Brookhaven	40.74544	-72.95087	0.00	0.21	0.00	0.00	0.17	0.25	2.90	0.00

Complex ID # ¹	Wetland Complex	Estuary	County	Town/Village	Centroid Latitude	Centroid Longitude	Vegetated Complex Area (IM + HM + Phragmites + FM) (1974)	Vegetated Complex Area (IM + HM + Phragmites + FM) (2005/2008)	Change in Vegetated Complex Area	Change in Vegetated Complex Area	IM + HM + FM (1974)	IM + HM + FM Area (2005/2008)	Change in IM + HM + FM Area	Change in IM + HM + FM Area
							(acres)	(acres)	(acres)	(%)	(acres)	(acres)	(acres)	(%)
412	Saxton Island	South Shore Estuary	Suffolk	Islip	40.65141	-73.22846	31.17	22.94	-8.23	-26.40	31.17	22.91	-8.26	-26.50
413	Indian Island County Park-Babylon	South Shore Estuary	Nassau	Babylon	40.66482	-73.37121	30.82	6.83	-24.00	-77.85	0.43	1.27	0.84	196.10
414	Neguntatogue Creek	South Shore Estuary	Suffolk	Babylon	40.67226	-73.35647	0.34	0.30	-0.04	-12.50	0.34	0.30	-0.04	-12.50
415	Santapogue Creek	South Shore Estuary	Suffolk	Babylon	40.67595	-73.34840	7.84	5.62	-2.22	-28.29	1.86	1.63	-0.23	-12.42
416	West Babylon/Mud Creek	South Shore Estuary	Suffolk	Babylon	40.68326	-73.33873	2.49	3.29	0.80	31.97	2.49	2.87	0.38	15.28
417	Conklin Point	South Shore Estuary	Suffolk	Islip	40.68696	-73.27930	6.34	0.69	-5.65	-89.10	0.63	0.35	-0.28	-44.14
418	Gardiners County Park	South Shore Estuary	Suffolk	Islip	40.69633	-73.27347	72.63	73.87	1.24	1.71	53.67	57.75	4.09	7.61
419	Isbrandtsen State TWL	South Shore Estuary	Suffolk	Islip	40.70186	-73.26172	51.85	51.68	-0.17	-0.33	20.89	24.43	3.53	16.92
420	Democrat Point	South Shore Estuary	Suffolk	Islip	40.62511	-73.69223	6.11	6.11	0.00	0.00	0.00	6.11	6.11	#DIV/0!
421	Robert Moses State Park	South Shore Estuary	Suffolk	Islip	40.63020	-73.23745	39.83	29.20	-10.63	-26.68	23.17	1.60	-21.57	-93.09
422	Clam Pond	South Shore Estuary	Suffolk	Islip	40.64097	-73.19196	29.10	29.59	0.58	1.99	18.38	18.57	0.19	1.03
423	West Fire Island	South Shore Estuary	Suffolk	Islip	40.65667	-73.19949	0.00	1.55	1.55	#DIV/0!	0.00	1.55	1.55	#DIV/0!
424	East Fire Island	South Shore Estuary	Suffolk	Islip	40.65638	-73.18157	130.33	101.50	-28.83	-22.12	130.33	101.50	-28.83	-22.12
425	Lawrence Creek	South Shore Estuary	Suffolk	Islip	40.71286	-73.25118	0.08	0.07	-0.01	-12.83	0.08	0.06	-0.02	-25.28
426	Seatuck NWR	South Shore Estuary	Suffolk	Islip	40.71087	-73.21082	76.50	59.65	-16.85	-22.03	43.26	31.63	-11.63	-26.89
427	Champlins Creek	South Shore Estuary	Suffolk	Islip	40.71842	-73.20300	0.83	0.52	-0.31	-36.87	0.83	0.04	-0.79	-95.32
428	Islip Meadows Park	South Shore Estuary	Suffolk	Islip	40.70979	-73.19447	43.13	41.85	-1.28	-2.98	27.30	24.98	-2.32	-8.50
429	Quintuck Creek	South Shore Estuary	Suffolk	Islip	40.70798	-73.18363	115.92	120.09	4.18	3.60	88.80	85.98	-2.82	-3.18
430	Heckscher State Park FC Wetland	South Shore Estuary	Suffolk	Islip	40.70492	-73.15913	128.35	125.57	-2.78	-2.17	43.31	56.46	13.15	30.37
431	Timber Point	South Shore Estuary	Suffolk	Islip	40.71721	-73.14288	63.84	51.97	-11.86	-18.58	61.31	47.59	-13.72	-22.37
432	Grand Canal & Pickman Wetlands	South Shore Estuary	Suffolk	Islip	40.73244	-73.14885	79.96	80.54	0.58	0.73	29.65	19.92	-9.73	-32.82
433	Connetquot River	South Shore Estuary	Suffolk	Islip	40.73109	-73.15741	2.19	3.47	1.28	58.31	2.19	0.49	-1.70	-77.59
434	Pepperidge State Tidal Wetlands	South Shore Estuary	Suffolk	Islip	40.73069	-73.12796	118.18	112.18	-5.99	-5.07	96.39	75.96	-20.43	-21.20
435	Indian Creek	South Shore Estuary	Suffolk	Islip	40.72565	-73.10827	117.86	115.16	-2.69	-2.28	96.59	79.56	-17.03	-17.63
436	Green Creek	South Shore Estuary	Suffolk	Islip	40.72650	-73.09062	6.54	6.35	-0.19	-2.94	0.00	0.08	0.07	17763.10
437	Brown's River South	South Shore Estuary	Suffolk	Islip	40.72975	-73.07025	37.94	40.38	2.44	6.43	1.38	1.19	-0.19	-13.81
438	Brown's River North	South Shore Estuary	Suffolk	Islip	40.73961	-73.07197	36.75	32.11	-4.65	-12.64	14.87	5.03	-9.84	-66.15
439	Point O' Woods	South Shore Estuary	Suffolk	Brookhaven	40.65350	-73.12898	6.43	7.86	1.42	22.10	3.63	3.07	-0.57	-15.60
440	Sunken Forest	South Shore Estuary	Suffolk	Brookhaven	40.65669	-73.11009	7.27	13.33	6.06	83.28	4.83	5.96	1.12	23.24
441	Fire Island Pines West	South Shore Estuary	Suffolk	Brookhaven	40.66276	-73.08076	3.38	4.31	0.93	27.52	0.00	0.29	0.29	104616.43
442	Barrett Beach to Davis Park	South Shore Estuary	Suffolk	Brookhaven	40.67723	-73.02746	3.56	1.37	-2.20	-61.63	3.10	0.62	-2.48	-79.89
443	Davis Park	South Shore Estuary	Suffolk	Brookhaven	40.68614	-73.00385	2.76	1.03	-1.73	-62.61	1.34	0.08	-1.26	-94.02
444	Watch Hill West	South Shore Estuary	Suffolk	Brookhaven	40.69020	-72.99351	12.63	10.70	-1.94	-15.34	4.86	0.52	-4.33	-89.20
445	Fire Island National Seashore	South Shore Estuary	Suffolk	Islip	40.71520	-72.92958	546.95	519.82	-27.13	-4.96	481.65	459.42	-22.23	-4.62
446	Ridge Island	South Shore Estuary	Suffolk	Brookhaven	40.72841	-72.91521	34.30	30.34	-3.96	-11.54	34.30	30.34	-3.96	-11.54
447	John Boyle Island	South Shore Estuary	Suffolk	Brookhaven	40.74046	-72.89588	4.06	3.00	-1.05	-25.98	0.00	0.48	0.48	169693.21
448	Namkee Creek	South Shore Estuary	Suffolk	Brookhaven	40.73367	-73.04047	23.26	22.08	-1.18	-5.09	1.79	3.88	2.09	116.44
449	Stillman Creek	South Shore Estuary	Suffolk	Brookhaven	40.73812	-73.03570	33.81	30.86	-2.95	-8.74	13.09	19.19	6.10	46.60
450	Corey Creek	South Shore Estuary	Suffolk	Brookhaven	41.03709	-72.42439	1.64	1.16	-0.48	-29.08	1.18	0.87	-0.31	-26.44
451	Tuthill Creek-Brookhaven	South Shore Estuary	Suffolk	Brookhaven	40.75511	-73.02464	4.67	4.25	-0.42	-9.01	4.50	0.34	-4.16	-92.47
452	Patchogue River	South Shore Estuary	Suffolk	Brookhaven	40.75735	-73.01880	0.13	0.64	0.51	395.01	0.13	0.45	0.32	245.64
453	Swan River	South Shore Estuary	Suffolk	Brookhaven	40.75695	-72.99657	61.75	50.90	-10.85	-17.57	29.23	14.00	-15.23	-52.12
454	Mud Creek	South Shore Estuary	Suffolk	Brookhaven	40.75521	-72.98647	49.47	35.55	-13.92	-28.14	35.56	18.50	-17.06	-47.98
455	Abetts Creek	South Shore Estuary	Suffolk	Brookhaven	40.75381	-72.97682	12.63	16.09	3.46	27.40	1.85	5.89	4.04	219.06
456	Hedges Creek	South Shore Estuary	Suffolk	Brookhaven	40.74785	-72.96689	25.35	21.01	-4.34	-17.13	19.65	14.28	-5.38	-27.36
457	Lymans Marsh	South Shore Estuary	Suffolk	Brookhaven	40.74500	-72.96147	20.84	16.83	-4.01	-19.25	6.19	6.09	-0.11	-1.72
458	Howells Creek	South Shore Estuary	Suffolk	Brookhaven	40.74544	-72.95087	0.21	3.32	3.12	1513.47	0.21	0.42	0.22	106.42
459	Motts Creek	South Shore Estuary	Suffolk	Brookhaven	40.75945	-72.92779	32.03	29.29	-2.73	-8.54	15.81	11.71	-4.10	-25.94
460	Beaverdam Creek	South Shore Estuary	Suffolk	Brookhaven	40.76548	-72.91849	26.95	27.44	0.49	1.83	22.14	21.10	-1.04	-4.68