

SIASCONSET BEACH PRESERVATION FUND

July 1, 2005

ANALYSIS OF EROSION RATES, SIASCONSET SHORELINE

Transect Station #	Total Erosion in feet 1957-2005	Erosion in feet 1957-1977	Erosion in feet 1977-1990	Erosion in feet 1990-2005	Average Erosion ft/year 1990-2005	Projected Erosion in feet 10 years	Projected Erosion in feet 20 years	Projected Erosion in feet 30 years
83	317	75	100	142	9.5	95	189	284
84	291	113	64	114	7.6	76	152	228
85	317	138	13	167	11.1	111	223	334
86	269	88	75	106	7.1	71	141	212
87	362	100	138	124	8.3	83	165	248
88	348	175	38	135	9.0	90	180	257
89	317	100	50	167	11.1	111	208	247
90	379	125	63	191	12.7	44	89	134
92	145	62	25	58	3.9	39	77	116
93	173	44	88	41	2.7	27	55	82
94	133	19	63	51	3.4	34	68	102
95	147	19	64	64	4.3	43	85	128
95.5	77-05 = 109	n/a	49	60	4.0	40	80	120
96	122	50	31	41	2.7	27	55	82
97	105	62	13	30	2.0	20	40	60

Avg. rate of erosion vs transect

