

## **Appendix B**

### **History of Sand Placement in Fire Island Communities**

Date	Locality	Stationing (km)		Volume Placed (m <sup>3</sup> )	Source of Information	Comments
		Distance from Fire Island Inlet				
		West Boundary	East Boundary			
1933-1954	Eastern Fire Island	STA 27+100	STA 49+100	1,266,600	Graven 99	Total Volume for Period
1945-1954	Saltaire & Vicinity	STA 7+200	STA 11+106	97,300	Graven 99	Total Volume for Period
1945-1954	Ocean Bay Park & Vicinity	STA 11+100	STA 18+200	220,400	Graven 99	Total Volume for Period
1955-1979	Eastern Fire Island	STA 27+100	STA 49.7	2,009,800	Graven 99	Total Volume for Period
1955-1979	Saltaire & Vicinity	STA 7+200	STA 11+100	84,200	Graven 99	Total Volume for Period
1955-1979	Ocean Bay Park & Vicinity	STA 11+100	STA 18+200	533,700	Graven 99	Total Volume for Period
1955-1979	Fire Island Pines & Vicinity	STA 18+200	STA 23+100	120,300	Graven 99	Total Volume for Period
1955-1979	Davis Park & Vicinity	STA 23+100	STA 27+100	411,000	Graven 99	Total Volume for Period
1960-1979	Western Fire Island	STA 0+000	STA 7+200	355,500	Graven 99	Total Volume for Period
1980	Davis Park	STA 26+050	STA 27+275	11,500 (ocean) 11,500 (bay)	Suffolk County	Predominantly sand
1980	Fire Island Pines	STA 19+425	STA 21+800	2,700	Suffolk County	Predominantly sand placed on dune line in dike
1981	Fair Harbor	STA 10+250	STA 11+100	22,600	Suffolk County	All sand
1981	Saltaire	STA 9+200	STA 10+225	1,400 (bay)	Suffolk County	All sand;
1983	Great South Beach	STA 47+900	STA 49+225	7,700	Duke University	Local
1985	Speonk Point Coral			9,200	Suffolk County	Mud; placed in surf zone;
1985	Moneybogue Bay	Bayside	Bayside	4,700	Suffolk County	Predominantly mud;
1988	Tiana Cove	STA 19+125	STA 24+800	16,900	Suffolk County	Predominantly mud;
1990	Watch Hill	STA 28+050	STA 39+275	3,800	CENAN Records	27,500 m <sup>3</sup> placed at Sailors Haven/Watch Hill. Majority placed upland. Estimate 3,800 m <sup>3</sup> placed on beach
1991	Great South Beach	STA 47+900	STA 49+225	2,300	Duke University	Local
1992	Robert Moses State Park	STA 0+050	STA 8+650	94,300	CENAN Records	Long Island Intracoastal Waterway dredged
1992	Smith County Park	STA 39+300	STA 47+500	37,700	CENAN Records	Long Island Intracoastal Waterway dredged
1993	Fire Island Pines	STA 19+925	STA 21+800	5,000	Suffolk County	Mud; placed in surf zone;
		STA	STA	3,800 (sand)		Only sand volume included

1993	Davis Park	26+050	27+275	3,800 (mud)	Suffolk County	in budget calculations
Spr 93	Saltaire	STA 9+200	STA 10+225	15,300	LUES	Placed with off-road dump vehicles
Spr 93	Fair Harbor	STA 10+250	STA 11+100	5,400	LUES	Placed with off-road dump vehicles
Spr 93	Kismet	STA 8+675	STA 9+175	7,300	LUES	Placed with off-road dump vehicles (4,600 m <sup>3</sup> ); onto dunes with dozers (2,700 m <sup>3</sup> )
Spr 93	Dunewood (assumed Fair Harbor)	STA 10+250	STA 11+100	800	LUES	Placed with off-road dump vehicles
Jun 93	Smith Point Boardwalk	STA 39+650	STA 39+800	8,300	Suffolk County	n/a
24 Jun – 31 Jul 93	Robert Moses State Park	STA 0+050	STA 8+650	413,000	CENAN Operation files	Dredged from Fire Island Inlet; reconstruction of the dune and beach
1994	Bellport Beach			3,000	Suffolk County	Mud;
Sep 94	Robert Moses State Park	STA 0+050	STA 8+650	152,900	CENAN Records	Fire Island Inlet dredged; 994,000 m <sup>3</sup> placed on Gilgo; 152,900 m <sup>3</sup> placed on Robert Moses State Park
Fall 94	Seaview (Islip and Brookhaven)	STA 13+300	STA 13+875	42,000	LUES	Placed in dune; offshore source
Fall 94	Fire Island Pines	STA 19+425	STA 21+800	133,800	LUES	Placed in dune; offshore source
Fall 94	Fair Harbor	STA 10+250	STA 11+100	137,600	LUES	Placed in dune; offshore source
Fall 94	Dunewood (assumed Fair Harbor)	STA 10+250	STA 11+100	23,700	LUES	Placed in dune; offshore source
Fall 94	Village of Saltaire	STA 9+200	STA 10+225	290,500	LUES	Placed in dune; offshore source
Fall 94	Ocean Bay Park Beach	STA 13+900	STA 14+800	107,000	LUES	Placed in dune; offshore source
Fall 94	Point O' Woods	STA 14+825	STA 15+925	145,300	LUES	Placed in dune; offshore source
1995	Great Gun Beach	STA 47+500	STA 47+875	30,600	Suffolk County	Predominantly mud;
Jan 96	Smith Point Boardwalk	STA 39+650	STA 39+800	41,400	Suffolk County	Fill from Smith Point Marina
1996	Water Island and Barrett Beach	STA 24+100	STA 26+025	57,300	Suffolk County	Predominantly sand
1996	West of Moriches Inlet	STA 47+900	STA 49+225	152,200	CENAN Records	Moriches Inlet dredged; 19,900 m <sup>3</sup> stockpiled 1.6 km east of inlet; 152,150 m <sup>3</sup> placed in offshore berm (-1 to -2 m) approximately 1.6 km west of inlet

1996?	Fire Island Inlet East Jetty	STA 0+050	STA 0+050	0	CENAN Operation files	East jetty trunk rebuilt; jetty head in need of repair
Dec 96 – Jan 97	Smith Point Boardwalk	STA 39+650	STA 39+800	8,300	Suffolk County	Fill from Calverton National Cemetery
October 1997	Fire Island Pines	19+425	21+800	500,000	CPE	1997 B.A.
Nov 03- Jan 04	Fire Island Pines	19+425	21+800	429,600	CPE	B.A. 2 East
Nov 03- Jan 04	Saltaire, Fair Harbor, Dunewood, Lonelyville	9+200	11+500	549,800	CPE	B.A. 2 West
2007	Smith Point Park	39+300	47+500	172,000	Suffolk County	Offshore B.A. Region
2007	Davis Park	26+050	27+275	21,000	LUES	Upland Source

Modified from U.S. Army Engineering Research and Development Center (January 2008).