

Updated as of: <b>April 17, 2012</b>	<b>NEW JERSEY HISTORICAL BEACHFILL DATABASE - RARITAN AND SANDY HOOK BAYS, NJ (through 31 December 2011)</b>								
Location	County	Date (Yr)	Date (Mo)	Quantity (cy)	Placement Area	Notes	Borrow Source	Contract Number	Source

<b>MIDDLESEX COUNTY</b>									
Cliffwood Beach	Middlesex	1953		6,153,000		U.S. Gov't			8
Cliffwood Beach	Middlesex	1956		583,000		Middlesex County Sewerage Auth.			8
Highlands	Middlesex	1966		620,000	Cheesequake Creek to Whale Creek	U.S. Gov't			9
Highlands	Middlesex	1968		900,000	Sandy Hook State Park	Atlantic Ocean side of Spermangetti Cove			2

<b>MONMOUTH COUNTY</b>									
Keansburg	Monmouth	1940		11,000	E of Waycake and Thorns Creek	Municipality			8
Keansburg	Monmouth	1954		307,000	Waycake creek to Pews Creek	State/Local			8
Keansburg	Monmouth	1954	Jul	58,502	Belvedere Beach	Oakwood to Pinewood			2
Keansburg	Monmouth	1966		10,000	Public Beach Area	State/Local			1
Keansburg	Monmouth	1983	Jan	181,564	Raritan Bay at Cliffwood Beach	1000 ft x 50 ft			2
Keansburg	Monmouth	1985		103,000	Raritan Bay at Cliffwood Beach	1001 ft x 50 ft			15
Keansburg	Monmouth	1988		36,000	E of Cheesequake Creek	State/Local	Cheesequake Creek		9
Keansburg	Monmouth	1995		18,000	E of Cheesequake Creek	State/Local	Cheesequake Creek		9
Keansburg	Monmouth	1997		75,000	Public Beach Area	State/Local	Upland		11
Keansburg	Monmouth	2000		1,000	E of Cheesequake Creek	State/Local	Cheesequake Creek		9
Laurence Harbor	Monmouth	1957		438,000	Point Comfort to Ideal beach	State/Local			8
Laurence Harbor	Monmouth	1972		2,100,000	Waycake Creek to Bray Ave.	U.S. Gov't	offshore		
Laurence Harbor	Monmouth	1982		67,000	E of Waycake and Thorns Creek	State/Local	Waycake Creek		13
Laurence Harbor	Monmouth	1993		39,000	E of Waycake and Thorns Creek	State/Local	Raritan Bay Channel		13
Middletown-Atlantic Highlands	Monmouth	1994		24,000	E of Waycake and Thorns Creek	State/Local	Waycake Creek		13
Middletown-Atlantic Highlands	Monmouth	1999		40,000	E of Waycake and Thorns Creek	State/Local	Waycake Creek		13
Middletown-Atlantic Highlands	Monmouth	2002		22,000	E of Waycake and Thorns Creek	State/Local	Waycake Creek		13
Middletown-Belford	Monmouth	1954	Jul	195,000	Bray Ave. to Ocean Ave.	State/Local			8
Middletown-Belford	Monmouth	1972		700,000	Bray Ave to Pews Creek	U.S. Gov't	offshore		13
Middletown-East Keansburg	Monmouth	1967	May	450,000	Pews Creek to Comptons Creek		offshore		10
Middletown-East Keansburg	Monmouth	1967	May	70,000	Pews Creek to Comptons Creek		Compton Creek		10
Middletown-Leonardo	Monmouth	1957		100,000	East of Comptons Creek Jetty	U.S. Gov't	Compton Creek		10
Middletown-Port Monmouth	Monmouth	1945		54,000		State/Local			8
Middletown-Port Monmouth	Monmouth	1967	Apr	50,000	Shorefront of Sandy Hook Bay	East of Comptons Creek Jetty			2
Sayreville	Monmouth	1941		409,000		U.S. Gov't			8
South Amboy	Monmouth	1956		195,000		U.S. Gov't			8
Union Beach	Monmouth	1950		134,000	W Highlands	U.S. Gov't			8
Union Beach	Monmouth	1966		10,000		State/Local			1

**Total Beach Nourishment - Monmouth County Bays 8,256,000**  
**Total Beach Nourishment - Middlesex County Bays 5,898,066**

KEY TO SOURCES	
1	USACE Projects from 'NJDEPE Beach Nourishment Projects: 1940-1992'
2	NJDEP Projects from 'NJDEPE Beach Nourishment Projects: 1940-1992'
3	Duke - Data from Duke Univ. Database ( <a href="http://www.env.duke.edu/psds/nourishment.htm">www.env.duke.edu/psds/nourishment.htm</a> )
4	USACE Individual Project Feasibility Reports: Historical Beach Nourishment Table
5	USACE Project Summary Reports
6	History of Beach Nourishment at the Critical Zone from Coastal Planning Associates Course (May 2004)
7	USACE - NAN Sandy Hook to Barnegat Inlet, NJ Beach Erosion Control Project Summary Sheet
8	USACE - NAN Raritan Bay to Sandy Hook Bay, NJ Survey Report (1960)
9	USACE - NAN Raritan Bay to Sandy Hook Bay, Madison Township Operations and Maintenance Manual
10	USACE - NAN Raritan Bay to Sandy Hook Bay, Reconnaissance Report
11	USACE - NAN Raritan Bay to Sandy Hook Bay, Union Beach Feasibility Report
12	USACE - NAN Raritan Bay to Sandy Hook Bay, Keansburg and East Keansburg, General Design Memorandum #2
13	USACE - NAN Raritan Bay to Sandy Hook Bay, Keansburg, East Keansburg, and Laurence Harbor Section 506 Report
14	USACE - NAN Raritan Bay to Sandy Hook Bay, Port Monmouth Feasibility Report
15	USACE - NAN Raritan Bay to Sandy Hook Bay, Matawan Township-Cliffwood Beach, General Design Memorandum #2
16	USACE - NAN Sandy Hook to Barnegat Inlet, NJ Beach Erosion Control Project Summary Sheet
17	USACE - NAN Sandy Hook to Barnegat Inlet, NJ Asbury Park to Manasquan General Design Memorandum