

APPENDIX:

SHORE PROTECTION FUND PROJECTS

DRAFT

Introduction

The protection of New Jersey's coastal zone has, to-date, been based in part on the 1981 Shore Protection Master Plan. The implementation of shore protection projects by the state is possible through the Shore Protection Fund which receives monies from annual state appropriations and realty transfer fees. This fund is administered by the New Jersey Department of Environmental Protection (DEP) to implement beach nourishment and shore protection projects throughout the state. The fund is used by DEP to leverage funding from federal agencies, mainly the U.S. Army Corp. of Engineers (USACE), to satisfy the non-federal cost-share requirement of projects constructed by USACE in partnership with the state, as well as to provide funding to Local municipalities for the construction of shore protection projects completed in partnership between the state and Local jurisdiction.

This appendix includes a list of all shore protection projects undertaken in New Jersey since the creation of the Shore Protection Fund in 1993, a list of project requests made to the DEP from Local jurisdictions but are not yet funded, and a capital plan for how the DEP will utilize the Shore Protection Fund over the next five years.

Acronyms:

CAP Project – Continuing Authorities Program
 DCE – Division of Coastal Engineering (NJDEP)
 FCCE – Flood Control and Coastal Emergencies
 FEMA – Federal Emergency Management Agency
 F&W – Division of Fish and Wildlife (NJDEP)
 IBSP – Island Beach State Park
 LBI – Long Beach Island
 NJDEP – New Jersey Department of Environmental Protection
 SPF – Shore Protection Fund
 USACE – U.S. Army Corp. of Engineers

Shore Protection Projects Undertaken in New Jersey Since the Creation of the Shore Protection Fund (1993-present)

Main Sponsor	Project Name	County	Municipality	Project Type	Total Cost	Federal Cost	Non-Federal Cost	Status	Year Complete
State/ Local	Absecon Shore Protection Project	Atlantic	Absecon	Bulkhead	\$791,700	\$395,850	\$395,850	Complete	2007
State/ Local	Absecon Inlet Jetty Repair Project	Atlantic	Atlantic City	Jetty	\$2,824,950	\$2,542,455	\$282,495	Complete	2020
State/ Local	Caspian Ave - Gardeners Basin Bulkhead and Bike Path	Atlantic	Atlantic City	Bulkhead	\$3,753,075		\$3,753,075	Complete	2020
State/ Local	Atlantic City North End Shore Protection Project	Atlantic	Atlantic City	Groin	\$9,400,640		\$9,400,640	Complete	2013
State/ Local	Farley State Marina Bulkhead	Atlantic	Atlantic City	Bulkhead	\$1,167,676		\$1,167,676	Complete	1998
State/ Local	Atlantic City Bulkhead	Atlantic	Atlantic City	Bulkhead	\$1,544,438		\$1,544,437	Complete	1997
State/ Local	Brigantine Beachfill	Atlantic	Brigantine	Beachfill-Hydraulic	\$6,256,300	\$566,663	\$5,689,637	Complete	2002
State/ Local	Brigantine Bulkhead	Atlantic	Brigantine	Bulkhead, Revetment	\$2,585,454		\$2,585,454	Complete	1996
State/ Local	West Atlantic City Dune Stabilization Gabion Project	Atlantic	Egg Harbor	Gabion Baskets, Beachfill-Truckfill	\$266,667		\$266,667	Complete	2011
State/ Local	Nacote Creek Bulkhead	Atlantic	Galloway	Bulkhead	\$125,035		\$125,035	Complete	1997

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Main Sponsor	Project Name	County	Municipality	Project Type	Total Cost	Federal Cost	Non-Federal Cost	Status	Year Complete
State/ Local	Revetment Reconstruction Project	Atlantic	Longport	Revetment	\$3,082,160		\$3,082,160	Complete	2017
State/ Local	Longport Stone Revetment	Atlantic	Longport	Revetment	\$1,199,000		\$1,199,000	Complete	2008
State/ Local	Longport Stone Revetment	Atlantic	Longport	Revetment	\$405,000		\$405,000	Complete	1993
State/ Local	Pleasantville Tuins Avenue Bulkhead and Yacht Basin Bulkhead Extension Projects	Atlantic	Pleasantville	Bulkhead	\$2,266,000		\$2,266,000	Complete	2002
State/ Local	Port Republic Emergency Bulkhead Repair and Scour Protection Project	Atlantic	Port Republic	Bulkhead	\$145,150	\$76,866	\$68,284	Complete	2010
State/ Local	Nacote Creek Bulkhead	Atlantic	Port Republic	Bulkhead	\$172,170		\$172,170	Complete	2003
State/ Local	Port Republic Bulkhead	Atlantic	Port Republic	Bulkhead	\$206,466			Complete	1997
State/ Local	Green Bank Park Bulkhead	Burlington	Washington Twp	Bulkhead	\$241,575		\$241,575	Complete	1998
State/ Local	Brooklawn Stabilization	Camden	Brooklawn	Revetment	\$367,746		\$367,746	Complete	2011
State/ Local	Harrison Avenue Landfill Closure and Shoreline Restoration	Camden	Camden City	Shoreline Stabilization	\$33,888,017		\$33,888,017	Construction	2021
State/ Local	Borough of Avalon Beach Nourishment 8th to 19th Street	Cape May	Avalon	Beachfill-Hydraulic	\$2,400,000		\$2,400,000	Complete	2009
State/ Local	Avalon 8th Ave Groin Rehab	Cape May	Avalon	Jetty	\$3,445,250		\$3,445,250	Complete	2003
State/ Local	Avalon Beachfill	Cape May	Avalon	Beachfill-Hydraulic	\$1,269,576		\$1,269,576	Complete	1993
State/ Local	Avalon 9th to 26th Street Beach Renourishment Project	Cape May	Avalon	Beachfill-Hydraulic	\$5,203,000		\$5,203,000	Complete	2010
State/ Local	Emergency Sand for Dune Construction	Cape May	Cape May Point	Beachfill-Truckfill	\$8,691		\$8,692	Complete	2016
State/ Local	Cape May State Park Sand Dunes & Revetment	Cape May	Cape May Point	Beachfill-Truckfill	\$704,517		\$704,517	Complete	1998
State/ Local	Cape May State Park Dunes	Cape May	Cape May Point	Beachfill-Truckfill	\$421,805		\$421,805	Complete	1996
State/ Local	Cape May Pt. Pilot Reef Beaches	Cape May	Cape May Point	Breakwater	\$685,000	\$305,000	\$380,000	Complete	1994
State/ Local	Higbee Beach Restoration Project	Cape May	Lower	Wetland Restoration	TBD			Design	TBD
State/ Local	Spicers Creek Gabion Construction	Cape May	Lower Twp	Gabion Baskets	\$879,220		\$879,220	Construction	2021
State/ Local	Bidwells Creek Jetty	Cape May	Middle Twp	Jetty	\$945,315		\$945,315	Complete	2000
State/ Local	North Wildwood Seawall Reconstruction	Cape May	North Wildwood	Revetment	\$1,216,475		\$1,216,475	Complete	1998
State/ Local	Emergency Sand for Dune Construction North Wildwood	Cape May	North Wildwood City	Beachfill-Truckfill	\$133,450		\$133,450	Complete	2016
State/ Local	Emergency Beach and Dune Sand Importation	Cape May	Ocean City	Beachfill-Truckfill	\$73,202		\$73,201	Complete	2013

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Main Sponsor	Project Name	County	Municipality	Project Type	Total Cost	Federal Cost	Non-Federal Cost	Status	Year Complete
State/ Local	Beach Nourishment Great Egg Harbor to Peck Beach	Cape May	Ocean City	Beachfill-Hydraulic	\$7,544,926		\$7,544,926	Complete	2008
State/ Local	Sea Isle City 73rd to 94th Street Beach Renourishment Project	Cape May	Sea Isle City	Beachfill-Hydraulic	\$6,760,300		\$6,760,300	Complete	2010
State/ Local	Sea Isle City Terminal Groin	Cape May	Sea Isle City	Groin	\$4,000,000		\$4,000,000	Complete	2001
State/ Local	Sea Isle City Emergency Core Stabilization	Cape May	Sea Isle City	Geotube	\$163,398		\$163,398	Complete	1998
State/ Local	Emergency dune project	Cape May	Sea Isle City	Beachfill-Truckfill	\$242,280	\$58,178	\$184,102	Complete	1995
State/ Local	Sea Isle City Beachfill & Groins	Cape May	Sea Isle City	Beachfill-Hydraulic, Groin	\$2,243,005		\$2,243,005	Complete	1993
State/ Local	Stone Harbor Bulkhead	Cape May	Stone Harbor	Bulkhead	\$839,977		\$839,977	Complete	2006
State/ Local	Beach Nourishment Great Egg Inlet to Townsends Inlet, Strathmere Section	Cape May	Upper	Beachfill-Truckfill	\$155,000		\$155,000	Complete	2008
State/ Local	Ocean Drive Revetment Shore Protection Project	Cape May	Upper Twp	Revetment	\$1,127,793		\$1,127,793	Complete	2011
State/ Local	Strathmere Beachfill	Cape May	Upper Twp	Beachfill-Hydraulic	\$1,579,867		\$1,579,867	Complete	2002
State/ Local	Strathmere & Sea Isle City Beachfill	Cape May	Upper Twp, Sea Isle City	Beachfill-Hydraulic	\$12,835,776	\$8,151,271	\$4,684,505	Complete	2012
State/ Local	West Wildwood 26th St Bulkhead	Cape May	West Wildwood	Bulkhead	\$1,016,513		\$1,016,513	Complete	2010
State/ Local	Wildwood Bulkhead	Cape May	Wildwood	Bulkhead	\$802,780		\$802,780	Complete	2008
State/ Local	North Wildwood Seawall Extension	Cape May	Wildwood City, North Wildwood City	Seawall	\$9,000,000		\$9,000,000	Design	TBD
State/ Local	Cape May Point Dune Protection	Cape May	Cape May Point	Gabion Baskets	\$600,000		\$600,000	Complete	2002
State/ Local	2009 Strathmere, Sea Isle City, Stone Harbor, and North Wildwood Beachfill	Cape May	Upper Twp, Sea Isle City, Stone Harbor, North Wildwood	Beachfill-Hydraulic	\$26,963,997	\$2,662,496	\$24,301,501	Complete	2010
State/ Local	Wildwood Crest Sunset Lake Revetment	Cape May	Wildwood Crest	Revetment	\$1,866,667		\$1,866,667	Complete	2007
State/ Local	New Jersey Marine Police Station Bulkhead Replacement	Cumberland	Commercial	Bulkhead	\$247,941		\$247,941	Complete	2007
State/ Local	Fortescue State Marina Bulkhead	Cumberland	Downe	Bulkhead	\$1,465,158		\$1,465,158	Complete	2010
State/ Local	Downe Township Money Island Bulkhead Project	Cumberland	Downe Twp	Bulkhead	\$582,293		\$582,293	Complete	2016
State/ Local	Fortescue Phase II Bulkhead	Cumberland	Downe Twp	Bulkhead	\$90,800		\$90,800	Complete	2007
State/ Local	Seabreeze Shore Remediation Project	Cumberland	Fairfield Twp	Demolition/Removal	\$483,000		\$483,000	Complete	2021
State/ Local	Seabreeze Upland Structure Demo	Cumberland	Fairfield Twp	Demolition/Removal	\$299,600		\$299,600	Complete	2012

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State/ Local	Seabreeze Concrete Revetment	Cumberland	Fairfield Twp	Revetment	\$1,387,631		\$346,908	Complete	2007
State/ Local	Thompsons Beach Restoration Project, Phase I	Cumberland	Maurice River	Dike	\$1,325,371	\$325,000	\$1,000,371	Complete	2014
State/ Local	East Point Shoreline Stabilization	Cumberland	Maurice River	Beachfill-Geotube	\$707,010	\$707,010		Complete	2020
State/ Local	Heislerville Dike Repair	Cumberland	Maurice River	Dike	\$190,600	\$142,950	\$47,650	Complete	2018
State/ Local	Maurice River Breakwater	Cumberland	Maurice River	Breakwater	\$755,126		\$755,126	Complete	1998
State/ Local	Maurice River Dike	Cumberland	Maurice River	Dike	\$243,274		\$243,274	Complete	1997
State/ Local	Westville Riprap	Gloucester	Westville	Revetment	\$686,338		\$686,338	Complete	2004
State/ Local	Bayonne Harbor Bulkhead	Hudson	Bayonne	Bulkhead	\$2,873,442		\$2,873,442	Complete	2009
State/ Local	Liberty State Park Transfer Bridge Demolition	Hudson	Jersey City	Demolition/Removal	\$240,000		\$240,000	Complete	2018
State/ Local	Emergency Demolition of a Transfer Bridge at Liberty State Park	Hudson	Jersey City	Demolition/Removal	\$440,000		\$440,000	Complete	2011
State/ Local	Lincoln Park Wetland Restoration	Hudson	Jersey City	Wetland Restoration	\$11,875,631	\$11,875,631		Complete	2011
State/ Local	Emergency Demolition of a Transfer Bridge	Hudson	Jersey City	Demolition/Removal	\$465,000		\$465,000	Complete	2008
State/ Local	Caven Point Pier Removal	Hudson	Jersey City	Demolition	\$183,550		\$1,863,550	Complete	2002
State/ Local	Trenton Marine Terminal Bulkhead Project	Mercer	Trenton	Bulkhead	\$3,030,940		\$3,030,940	Complete	2007
State/ Local	Old Bridge Groin C Repair	Middlesex	Old Bridge	Groin	\$821,400		\$821,400	Complete	2003
State/ Local	Old Bridge Beachfill	Middlesex	Old Bridge	Beachfill-Truckfill, Groin	\$2,333,970		\$2,333,970	Complete	1995
State/ Local	Perth Amboy City Bulkheads and Beachfill Shore Protection Project	Middlesex	Perth Amboy	Bulkhead, Beachfill-Truckfill	\$2,266,667		\$2,266,667	Complete	2014
State/ Local	Perth Amboy Raritan River Improvements	Middlesex	Perth Amboy	Other	\$3,936,062		\$3,936,062	Complete	2004
State/ Local	Wesley Lake Stormwater Outfall Repair	Monmouth	Asbury Park City	Drainage Improvements - Outfall	\$14,045		\$14,045	Complete	2018
State/ Local	Deal Lake Flume	Monmouth	Asbury Park, Loch Arbour	Drainage Improvements -Upland	\$6,120,792		\$6,120,792	Complete	2006
State/ Local	Highlands Bulkhead	Monmouth	Atlantic Highlands	Bulkhead	\$1,494,634		\$1,494,634	Complete	1999
State/ Local	Atlantic Highlands Bulkhead	Monmouth	Atlantic Highlands		\$2,296,899		\$2,296,899	Complete	1998
State/ Local	Avalon Pilot Reef Beachsaver	Monmouth	Avalon	Breakwater	\$700,000	\$315,000	\$385,000	Complete	1994
State/ Local	Shark River Bulkhead Replacement	Monmouth	Avon-by-the-Sea	Bulkhead	\$1,064,704	\$958,234	\$106,470	Complete	2016
State/ Local	Shark River Bulkhead Removal and Reconstruction	Monmouth	Avon-by-the-Sea	Bulkhead	\$22,060	\$19,854	\$2,206	Complete	2013

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State/ Local	Shark River Inlet North Jetty Emergency Repairs	Monmouth	Avon-by-the-Sea	Jetty	\$128,750		\$128,750	Complete	1997
State/ Local	Shark River Jetty Repairs	Monmouth	Avon-by-the-Sea	Jetty	\$314,950	\$40,000	\$274,950	Complete	1995
State/ Local	Belmar Marina Bulkhead & Boat Ramp	Monmouth	Belmar	Bulkhead	\$1,950,135		\$1,950,135	Complete	2013
State/ Local	Belmar/Spring Lake Beachfill, Outfall, and Breakwater	Monmouth	Belmar, Spring Lake	Beachfill- Truckfill, Drainage Improvements -Outfall	\$1,123,600		\$1,123,600	Complete	1994
State/ Local	Fletcher Lake Outfall	Monmouth	Bradley Beach, Neptune	Drainage Improvements - Outfall	\$945,250		\$945,250	Complete	2008
State/ Local	Keansburg Raritan bay Outfall Replacements	Monmouth	Keansburg	Drainage Improvements - Outfall	\$28,400		\$28,400	Complete	2015
State/ Local	Stormwater Pipe Replacement - Outfall Nos. 11 & 14	Monmouth	Keansburg	Drainage Improvements - Outfall	\$748,922		\$748,922	Complete	2015
State/ Local	Keansburg Outfall Replacement Project	Monmouth	Keansburg	Drainage Improvements - Outfall	\$2,440,025		\$2,440,025	Complete	2013
State/ Local	Keansburg Floodgate Steel Jetty Replacement and Extension	Monmouth	Keansburg	Bulkhead	\$779,510		\$779,510	Complete	2005
State/ Local	Loch Arbour Deal Lake Bulkhead	Monmouth	Loch Arbour	Bulkhead	\$1,448,059		\$1,448,059	Complete	2012
State/ Local	Deal Lake Bulkhead	Monmouth	Loch Arbour	Bulkhead	\$836,425		\$836,425	Complete	2006
State/ Local	Fishermans Cove Bulkhead Replacement	Monmouth	Manasquan	Bulkhead	\$1,372,213		\$1,372,213	Complete	2013
State/ Local	Bayshore Waterfront Park Revetment Project	Monmouth	Middletown	Revetment	\$689,896		\$689,896	Complete	2012
State/ Local	Leonardo State Marina Bulkhead-Breakwater	Monmouth	Middletown	Bulkhead	\$350,711		\$350,711	Complete	2010
State/ Local	Monmouth Co. Jetties at Pews Creek	Monmouth	Middletown	Jetty	\$1,668,360		\$1,668,360	Complete	1998
State/ Local	Bulkhead Replacement at Leonardo State Marina	Monmouth	Middletown	Bulkhead	\$1,517,117		\$1,517,117	Complete	2017
State/ Local	Monmouth Beach Seawall Repairs	Monmouth	Monmouth Beach	Seawall	\$2,657,635		\$2,657,635	Complete	2010
State/ Local	Admiralty Condos bulkhead in seawall construction	Monmouth	Monmouth Beach	Seawall, Bulkhead	\$257,827		\$257,827	Complete	1996
State/ Local	Monmouth Beach Access Steps FEMA	Monmouth	Monmouth Beach	Other	\$40,000		\$40,000	Complete	1996
State/ Local	Outfall Extensions Along the Atlantic Ocean	Monmouth	Monmouth Beach, Long Branch	Drainage Improvements - Outfall	\$469,600		\$469,600	Complete	2002
State/ Local	Stabilization of Shark River Island	Monmouth	Neptune	Bulkhead	\$513,000		\$513,000	Complete	1998
State/ Local	Red Bank Bulkhead	Monmouth	Red Bank	Bulkhead	\$3,361,170		\$3,361,170	Complete	2011
State/ Local	Grant Avenue Pump Station Bulkhead Project	Monmouth	Rumson	Bulkhead	\$238,636		\$238,636	Complete	2007
State/ Local	Steel Bulkhead Protection Project	Monmouth	Sea Bright	Bulkhead	\$609,425		\$609,425	Complete	2016

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Main Sponsor	Project Name	County	Municipality	Project Type	Total Cost	Federal Cost	Non-Federal Cost	Status	Year Complete
State/ Local	Anchorage Beach Club Repaving	Monmouth	Sea Bright	Other	\$25,100		\$25,100	Complete	1998
State/ Local	Sea Bright Access Steps FEMA	Monmouth	Sea Bright	Other	\$80,000		\$80,000	Complete	1996
State/ Local	Sea Bright Splash Pad FEMA	Monmouth	Sea Bright	Other	\$856,146		\$856,146	Complete	1996
State/ Local	Sea Bright Seawall/emergency bags proj. at Ocean Ridge	Monmouth	Sea Bright	Seawall	\$137,050	\$137,050		Complete	1994
State/ Local	Seawall Repair and Construction Project	Monmouth	Sea Bright, Monmouth Beach	Seawall	\$30,114,485	\$27,103,037	\$3,011,448	Complete	2019
State/ Local	Outfall Extensions and Infrastructure Improvements	Monmouth	Sea Girt	Drainage Improvements - Outfall	\$1,970,120		\$1,970,120	Complete	2016
State/ Local	Bulkhead Replacement at National Guard Training Center	Monmouth	Sea Girt	Bulkhead	\$2,114,879		\$2,114,879	Complete	2011
State/ Local	Wreck Pond Outfall Extension	Monmouth	Spring Lake	Drainage Improvements - Outfall	\$6,697,000		\$6,697,000	Complete	2007
State/ Local	Spring Lake Erosion Disk	Monmouth	Spring Lake	Breakwater	\$150,000		\$150,000	Complete	1997
State/ Local	Union Beach Beachfill Project	Monmouth	Union Beach	Beachfill-Truckfill	\$200,000		\$200,000	Complete	2011
State/ Local	Union Beach Beachfill Project	Monmouth	Union Beach	Beachfill-Truckfill	\$100,000		\$100,000	Complete	2009
State/ Local	Union Beach Beachfill	Monmouth	Union Beach	Beachfill-Truckfill	\$99,960		\$99,960	Complete	2007
State/ Local	Union Beach Beachfill & Groin	Monmouth	Union Beach	Beachfill-Truckfill, Groin	\$1,445,825		\$1,445,824	Complete	1996
State/ Local	Union Beach Bulkhead Project	Monmouth	Union Beach	Bulkhead	\$1,882,125	\$578,549	\$1,303,576	Complete	1996
State/ Local	Keyport Bulkhead	Monmouth	Keyport	Bulkhead	\$3,153,457		\$3,153,457	Complete	2008
State/ Local	Western Jetty Scour Repair at Monmouth Cove Marina-Pews Creek Inlet	Monmouth	Middletown	Jetty	\$153,773		\$153,773	Complete	2006
State/ Local	Leonardo State Marina Bulkhead	Monmouth	Middletown	Bulkhead	\$118,576		\$118,576	Complete	1998
State/ Local	Monmouth Beach Building Demolition	Monmouth	Monmouth Beach	Demolition	\$70,575		\$70,575	Complete	2000
State/ Local	Barnegat Lighthouse State Park Emergency Bulkhead Repair	Ocean	Barnegat Light	Bulkhead	\$1,966,690		\$1,966,690	Complete	2005
State/ Local	Barnegat Lighthouse State Park Bulkhead	Ocean	Barnegat Light	Revetment	\$512,900		\$512,900	Complete	1998
State/ Local	Bay Head Reimbursement Groin	Ocean	Bay Head	Groin	\$146,776		\$146,776	Complete	2000
State/ Local	Merivale Avenue Geotube Stabilization Project	Ocean	Beach Haven	Beachfill-Geotube	\$472,000		\$472,000	Complete	2010
State/ Local	Emergency Sand for Dune Construction	Ocean	Beach Haven	Beachfill-Truckfill	\$89,168		\$89,169	Complete	2016
State/ Local	Beachwood Bulkhead Reimbursement	Ocean	Beachwood	Bulkhead	\$331,349		\$331,349	Complete	2006
State/ Local	Two Bit Road Dune Protection Project at the Island Beach State Park	Ocean	Berkeley	Beachfill-Truckfill	\$34,000		\$3,400	Complete	2013

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State/ Local	Amherst Beach Bulkhead	Ocean	Berkeley	Bulkhead, Groin	\$240,000		\$240,000	Complete	2010
State/ Local	IBSP Bayhouse Revetment	Ocean	Berkeley	Revetment	\$482,500		\$482,500	Complete	2007
State/ Local	Sand for Covering Steel Sheet Pile Revetment	Ocean	Brick	Beachfill-Truckfill	\$470,138		\$470,138	Complete	2016
State/ Local	Harvey Cedars Beachfill	Ocean	Harvey Cedars	Beachfill-Truckfill	\$3,705,546		\$3,705,545	Complete	1995
State/ Local	Bulkhead Replacement at Forked River Marina	Ocean	Lacey	Bulkhead	\$921,817		\$921,817	Complete	2012
State/ Local	Forked River State Marina Bulkhead (Continued)	Ocean	Lacey Twp	Bulkhead	\$354,550		\$354,550	Complete	2002
State/ Local	Forked River State Marina Bulkhead	Ocean	Lacey Twp	Bulkhead	\$119,887		\$119,287	Complete	2001
State/ Local	Removal & Disposal of USGS Monitoring Station	Ocean	Little Egg Harbor	Other	\$22,700		\$22,700	Complete	2015
State/ Local	Little Egg Harbor Bulkhead	Ocean	Little Egg Harbor	Bulkhead	\$360,475		\$360,475	Complete	2007
State/ Local	Holgate Terminal Groin - Phase I	Ocean	Long Beach Twp	Groin	\$537,458		\$537,458	Complete	2019
State/ Local	Emergency Sand for Dune Construction	Ocean	Long Beach Twp	Beachfill-Truckfill	\$427,098		\$427,098	Complete	2016
State/ Local	2017 Holgate and Beach Haven Beachfill	Ocean	Long Beach Twp, Beach Haven	Beachfill-Hydraulic	\$25,938,000		\$25,938,000	Complete	2018
State/ Local	Emergency Sand for Dune Construction Mantoloking	Ocean	Mantoloking	Beachfill-Truckfill	\$98,080		\$98,080	Complete	2014
State/ Local	Route 35 Sheeting Project	Ocean	Mantoloking, Brick	Bulkhead	\$23,837,000	\$19,069,600	\$4,767,400	Complete	2015
State/ Local	Waretown Bulkhead	Ocean	Ocean Twp	Bulkhead	\$890,608		\$890,608	Complete	2008
State/ Local	Ocean Twp Bulkhead Repairs	Ocean	Ocean Twp	Bulkhead	\$100,000		\$100,000	Complete	2002
State/ Local	Manasquan Inlet Bulkhead Replacement	Ocean	Point Pleasant Beach	Bulkhead	\$681,280		\$681,280	Complete	2018
State/ Local	Emergency Sand for Dune Construction	Ocean	Seaside Heights	Beachfill-Truckfill	\$113,730		\$113,730	Complete	2014
State/ Local	Seaside Heights Bulkhead	Ocean	Seaside Heights	Bulkhead	\$152,960		\$152,960	Complete	2008
State/ Local	Seaside Heights Emergency Sand for Dune Construction	Ocean	Seaside Heights	Beachfill-Truckfill	\$585,000		\$585,000	Complete	2016
State/ Local	Emergency Sand for Dune Construction	Ocean	Seaside Park	Beachfill-Truckfill	\$113,730		\$113,730	Complete	2014
State/ Local	Surf City Bulkhead Repairs	Ocean	Surf City	Bulkhead	\$100,000		\$100,000	Complete	2002
State/ Local	Emergency Sand for Dune Construction	Ocean	Toms River	Beachfill-Truckfill	\$2,669,843		\$2,669,843	Complete	2016
State/ Local	Tuckerton Stone Revetment Project	Ocean	Tuckerton	Revetment	\$439,900		\$439,900	Complete	2020
State/ Local	Pennsville Bulkhead (Phase II)	Salem	Pennsville	Bulkhead	\$1,398,500		\$1,398,500	Complete	2010

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State/ Local	Pennsville Bulkhead (Phase I)	Salem	Pennsville	Bulkhead	\$400,000		\$400,000	Complete	2002
USACE	Brigantine Inlet to Great Egg Harbor Inlet, Absecon Island Periodic Nourishment	Atlantic	Atlantic City, Ventnor, Margate, Longport	Beachfill-Hydraulic	\$30,695,071	\$19,951,796	\$10,743,275	Construction	2021
USACE	Brigantine Inlet to Great Egg Harbor Inlet, Absecon Island, Atlantic City and Ventnor Fourth Renourishment Cycle and Initial Construction of Margate and Longport	Atlantic	Atlantic City, Ventnor, Margate, Longport	Beachfill-Hydraulic	\$76,120,255	\$49,478,166	\$26,642,089	Complete	2018
USACE	Brigantine Inlet to Great Egg Harbor Inlet, Absecon Island Third Renourishment Cycle, FCCE 2013	Atlantic	Atlantic City, Ventnor	Beachfill-Hydraulic, Drainage Improvements -Outfall	\$23,243,757	\$23,243,757		Complete	2013
USACE	Brigantine Inlet to Great Egg Harbor Inlet, Absecon Island, Atlantic City and Ventnor Periodic Nourishment	Atlantic	Atlantic City, Ventnor	Beachfill-Hydraulic	\$16,569,404	\$10,770,113	\$5,799,292	Complete	2012
USACE	Brigantine Inlet to Great Egg Harbor Inlet, Absecon Island FCCE 2009 Storm	Atlantic	Atlantic City, Ventnor	Beachfill-Hydraulic	\$11,637,108	\$11,637,108		Complete	2011
USACE	Brigantine Inlet to Great Egg Harbor Inlet, Absecon Island, Atlantic City and Ventnor Initial Construction	Atlantic	Atlantic City, Ventnor	Beachfill-Hydraulic	\$25,959,736	\$16,873,828	\$9,085,908	Complete	2004
USACE	Brigantine Inlet to Great Egg Harbor Inlet, Absecon Island, Absecon Inlet Seawall Improvements	Atlantic	Atlantic City	Seawall	\$32,549,996	\$21,428,531	\$11,121,465	Complete	2018
USACE	Brigantine Inlet to Great Egg Harbor Inlet Brigantine Island FCCE and 3rd PN	Atlantic	Brigantine	Beachfill-Hydraulic	\$9,524,950	\$8,754,950	\$770,000	Complete	2018
USACE	Brigantine Inlet to Great Egg Harbor Inlet Brigantine Beach Nourishment	Atlantic	Brigantine	Beachfill-Hydraulic	\$13,693,204	\$8,900,583	\$4,792,621	Complete	2013
USACE	Brigantine Inlet to Great Egg Harbor Inlet Brigantine Island FCCE Additional Sand	Atlantic	Brigantine	Beachfill-Truckfill	\$799,923	\$799,923		Complete	2012
USACE	Brigantine Inlet to Great Egg Harbor Inlet Brigantine Island FCCE Repairs	Atlantic	Brigantine	Beachfill-Truckfill	\$4,054,512	\$4,054,512		Complete	2011

APPENDIX: SHORE PROTECTION FUND PROJECTS

Shore Protection Projects Undertaken in New Jersey Since the Creation of the Shore Protection Fund (1993-present)

Main Sponsor	Project Name	County	Municipality	Project Type	Total Cost	Federal Cost	Non-Federal Cost	Status	Year Complete
USACE	Brigantine Inlet to Great Egg Harbor Inlet Brigantine Island Initial Construction	Atlantic	Brigantine	Beachfill-Hydraulic	\$3,563,995	\$2,316,597	\$1,247,399	Complete	2006
USACE	Townsend Inlet to Cape May Inlet, Avalon Beachfill	Cape May	Avalon	Beachfill-Truckfill	\$1,895,288	\$1,231,937	\$663,351	Complete	2009
USACE	Townsend Inlet to Cape May Inlet, Seawall Construction, Townsend Inlet, Avalon	Cape May	Avalon	Seawall	\$14,395,961	\$9,357,375	\$5,038,587	Complete	2006
USACE	Townsend Inlet to Cape May Inlet FY19 Periodic Nourishment	Cape May	Avalon, Stone Harbor	Beachfill-Hydraulic	\$12,411,050	\$8,067,182	\$4,343,868	Complete	2019
USACE	Townsend Inlet to Cape May Inlet Third Partial Renourishment Cycle	Cape May	Avalon, Stone Harbor	Beachfill-Hydraulic	\$15,709,225	\$10,210,996	\$5,498,229	Complete	2017
USACE	Townsend Inlet to Cape May Inlet, FCCE Beachfill II	Cape May	Avalon, Stone Harbor	Beachfill-Hydraulic	\$6,898,043	\$6,898,043		Complete	2013
USACE	Townsend Inlet to Cape May Inlet, FCCE Beachfill	Cape May	Avalon, Stone Harbor	Beachfill-Hydraulic	\$8,654,093	\$7,961,766	\$692,328	Complete	2011
USACE	Townsend Inlet to Cape May Inlet, Initial construction	Cape May	Avalon, Stone Harbor	Beachfill-Hydraulic	\$19,718,730	\$12,817,174	\$6,901,556	Complete	2003
USACE	Cape May Inlet to Lower Township Thirteenth Cycle of Periodic Nourishment	Cape May	Cape May City	Beachfill-Hydraulic	TBD			Design	2021
USACE	Cape May Inlet to Lower Township Twelfth Cycle of Periodic Nourishment	Cape May	Cape May City	Beachfill-Hydraulic	\$9,777,000	\$879,300	\$97,700	Complete	2019
USACE	Lower Cape May Meadows to Cape May Point Third Cycle of Periodic Nourishment	Cape May	Cape May City	Beachfill-Hydraulic	\$6,150,000	\$4,950,750	\$1,199,250	Complete	2017
USACE	Cape May Inlet to Lower Township Eleventh Cycle of Periodic Nourishment	Cape May	Cape May City	Beachfill-Hydraulic	\$11,950,000	\$10,755,000	\$1,195,000	Complete	2017
USACE	Cape May Inlet to Lower Township Tenth Cycle of Periodic Nourishment (FCCE)	Cape May	Cape May City	Beachfill-Hydraulic	\$9,744,500	\$9,744,500		Complete	2014
USACE	Cape May Inlet to Lower Township Ninth Cycle of Periodic Nourishment	Cape May	Cape May City	Beachfill-Hydraulic, Beachfill-Truckfill	\$8,485,500	\$7,636,950	\$848,550	Complete	2012

Shore Protection Projects Undertaken in New Jersey Since the Creation of the Shore Protection Fund (1993-present)

Main Sponsor	Project Name	County	Municipality	Project Type	Total Cost	Federal Cost	Non-Federal Cost	Status	Year Complete
USACE	Cape May Inlet to Lower Township Eighth Cycle of Periodic Nourishment	Cape May	Cape May City	Beachfill-Truckfill	\$4,709,000	\$4,238,100	\$470,900	Complete	2009
USACE	Cape May Inlet to Lower Township Seventh Cycle of Periodic Nourishment	Cape May	Cape May City	Beachfill-Hydraulic	\$5,375,500	\$4,837,950	\$537,550	Complete	2007
USACE	Cape May Inlet to Lower Township Sixth Cycle of Periodic Nourishment	Cape May	Cape May City	Beachfill-Hydraulic	\$2,364,000	\$2,127,600	\$236,400	Complete	2004
USACE	Cape May Inlet to Lower Township Fifth Cycle of Periodic Nourishment	Cape May	Cape May City	Beachfill-Hydraulic	\$2,434,451	\$2,191,006	\$24,344	Complete	2003
USACE	Cape May Inlet to Lower Township Fourth Cycle of Periodic Nourishment	Cape May	Cape May City	Beachfill-Hydraulic	\$3,415,000	\$3,073,500	\$341,500	Complete	1999
USACE	Cape May Inlet to Lower Township Third Cycle of Periodic Nourishment	Cape May	Cape May City	Beachfill-Hydraulic	\$2,496,178	\$2,246,560	\$249,618	Complete	1997
USACE	Cape May Inlet to Lower Township Second Cycle of Periodic Nourishment	Cape May	Cape May City	Beachfill-Hydraulic	\$2,605,000	\$2,344,500	\$260,500	Complete	1995
USACE	Cape May Inlet to Lower Township Storm Rehabilitation	Cape May	Cape May City	Beachfill-Hydraulic	\$2,135,000	\$1,921,500	\$213,500	Complete	1993
USACE	Cape May Inlet to Lower Township 1st Cycle of Periodic Nourishment	Cape May	Cape May City	Beachfill-Hydraulic	\$2,370,000	\$2,133,000	\$237,000	Complete	1993
USACE	Cape May Inlet to Lower Township Phase III Beachfill Cape May City	Cape May	Cape May City	Beachfill-Hydraulic, Drainage Improvements -Outfall	\$4,380,000	\$3,942,000	\$438,000	Complete	1991
USACE	Cape May Inlet to Lower Township Phase II Groin Extension	Cape May	Cape May City	Groin	\$1,388,000	\$1,249,200	\$138,800	Complete	1990
USACE	Cape May Inlet to Lower Township Phase I Beachfill USCG Training Center	Cape May	Cape May City	Beachfill-Hydraulic, Drainage Improvements -Outfall	\$3,158,000	\$2,842,200	\$315,800	Complete	1989
USACE	Lower Cape May Meadows to Cape May Point Fourth Cycle of Periodic Nourishment	Cape May	Cape May Point, Cape May City	Beachfill-Hydraulic	\$9,400,000	\$7,567,000	\$1,833,000	Construction	2021
USACE	Lower Cape May Meadows to Cape May Point Second Cycle of Periodic Nourishment C	Cape May	Cape May Point, Cape May City	Beachfill-Hydraulic	\$8,845,599	\$7,120,707	\$1,724,892	Complete	2013
USACE	Lower Cape May Meadows to Cape May Point Second Cycle of Periodic Nourishment B	Cape May	Cape May Point, Cape May City	Beachfill-Hydraulic	\$9,640,000	\$7,760,200	\$1,879,800	Complete	2011

APPENDIX: SHORE PROTECTION FUND PROJECTS

Shore Protection Projects Undertaken in New Jersey Since the Creation of the Shore Protection Fund (1993-present)

Main Sponsor	Project Name	County	Municipality	Project Type	Total Cost	Federal Cost	Non-Federal Cost	Status	Year Complete
USACE	Lower Cape May Meadows to Cape May Point Outfall Repairs	Cape May	Cape May Point, Cape May City	Drainage Improvements -Outfall	Unavailable			Complete	2011
USACE	Lower Cape May Meadows to Cape May Point Second Cycle of Periodic Nourishment A	Cape May	Cape May Point	Beachfill-Hydraulic	\$4,500,000	\$3,622,500	\$877,500	Complete	2009
USACE	Lower Cape May Meadows to Cape May Point Initial Construction	Cape May	Cape May Point	Beachfill-Hydraulic, Groin	\$8,400,000	\$5,460,000	\$2,940,000	Complete	2005
USACE	Townsend's Inlet to Cape May Inlet, Hereford Seawall Repair	Cape May	North Wildwood	Seawall	\$19,191,307	\$12,474,350	\$6,716,957	Construction	2021
USACE	Townsend's Inlet to Cape May Inlet, Hereford Seawall FCCE Repair	Cape May	North Wildwood	Seawall	\$1,770,992	\$1,770,992		Complete	2014
USACE	Townsend's Inlet to Cape May Inlet, Sewall Construction Phase III, Hereford Inlet, North Wildwood Anglesea	Cape May	North Wildwood	Seawall	\$18,579,411	\$12,076,617	\$6,502,793	Complete	2009
USACE	Townsend's Inlet to Cape May Inlet, Sewall Construction Phase I and II, Hereford Inlet, North Wildwood	Cape May	North Wildwood	Seawall	\$22,838,800	\$14,845,220	\$7,993,580	Complete	2008
USACE	Great Egg Harbor Inlet to Townsend's Inlet, South End Ocean City, Upper Twp, Sea Isle City Renourishment	Cape May	Ocean City, Upper , Sea Isle City	Beachfill-Hydraulic	\$26,460,089	\$17,199,058	\$9,261,031	Complete	2020
USACE	Great Egg Harbor Inlet to Townsend's Inlet, South End Ocean City, Upper Twp, Sea Isle City Initial Construction & FCCE Repair	Cape May	Ocean City, Upper , Sea Isle City	Beachfill-Hydraulic	\$92,055,146	\$92,055,146		Complete	2016
USACE	Great Egg Harbor Inlet and Peck Beach Ninth Cycle of Periodic Nourishment	Cape May	Ocean City	Beachfill-Hydraulic	\$17,100,563	\$11,115,366	\$5,985,197	Complete	2020
USACE	Great Egg Harbor Inlet and Peck Beach FCCE and Eighth Cycle of Periodic Nourishment	Cape May	Ocean City	Beachfill-Hydraulic	\$13,691,250	\$12,058,189	\$2,532,660	Complete	2017
USACE	Great Egg Harbor Inlet and Peck Beach Seventh Cycle of Periodic Nourishment	Cape May	Ocean City	Beachfill-Hydraulic	\$11,162,930	\$7,255,904	\$3,907,025	Complete	2015
USACE	Great Egg Harbor Inlet and Peck Beach Sixth Cycle of Periodic Nourishment	Cape May	Ocean City	Beachfill-Hydraulic	\$17,038,366	\$11,074,938	\$5,963,428	Complete	2013
USACE	Great Egg Harbor Inlet and Peck Beach Fifth Cycle of Periodic Nourishment	Cape May	Ocean City	Beachfill-Hydraulic	\$17,899,130	\$11,634,434	\$6,264,696	Complete	2010
USACE	Great Egg Harbor Inlet and Peck Beach Fourth Cycle of Periodic Nourishment	Cape May	Ocean City	Beachfill-Hydraulic	\$8,899,549	\$5,585,222	\$3,314,327	Complete	2004

Shore Protection Projects Undertaken in New Jersey Since the Creation of the Shore Protection Fund (1993-present)

Main Sponsor	Project Name	County	Municipality	Project Type	Total Cost	Federal Cost	Non-Federal Cost	Status	Year Complete
USACE	Great Egg Harbor Inlet and Peck Beach Third Cycle of Periodic Nourishment	Cape May	Ocean City	Beachfill-Hydraulic	\$10,291,000	\$4,340,700	\$5,950,300	Complete	2000
USACE	Great Egg Harbor Inlet and Peck Beach Second Cycle of Periodic Nourishment	Cape May	Ocean City	Beachfill-Hydraulic	\$4,945,000	\$3,214,250	\$1,721,750	Complete	1997
USACE	Great Egg Harbor Inlet and Peck Beach Phase II First Cycle of Periodic Nourishment	Cape May	Ocean City	Beachfill-Hydraulic	\$6,982,348	\$3,737,354	\$3,244,993	Complete	1995
USACE	Great Egg Harbor Inlet and Peck Beach Phase I First Cycle of Periodic Nourishment	Cape May	Ocean City	Beachfill-Hydraulic	\$3,217,825	\$2,091,586	\$1,126,239	Complete	1994
USACE	Great Egg Harbor Inlet and Peck Beach Phase III Initial Construction	Cape May	Ocean City	Beachfill-Hydraulic, Drainage Improvements -Outfall	\$2,915,132	\$2,894,836	\$1,020,296	Complete	1993
USACE	Great Egg Harbor Inlet and Peck Beach Phase II Initial Construction	Cape May	Ocean City	Beachfill-Hydraulic, Drainage Improvements -Outfall	\$14,571,909	\$9,471,741	\$5,100,168	Complete	1993
USACE	Great Egg Harbor Inlet and Peck Beach Phase I Initial Construction	Cape May	Ocean City	Beachfill-Hydraulic, Drainage Improvements -Outfall	\$10,951,970	\$7,118,780	\$3,833,189	Complete	1992
USACE	Maurice River Coastal Storm Risk Management (CAP Project)	Cumberland	Maurice River Twp	Levee, Nature-Based Features	TBD			Concept	TBD
USACE	NJ Beneficial Reuse of Dredge Material for the Delaware River (DMU)	Cumberland, Cape May	Downe Twp, Lower Twp	Beachfill-Hydraulic, Groin	TBD			Design	TBD
USACE	Minish Park - CONTRACT 3B/4B	Essex	Newark	Bulkhead	\$43,080,700	\$43,080,700		Design	TBD
USACE	Minish Park - CONTRACT 3A	Essex	Newark	Bulkhead	\$12,919,300	\$12,919,300		Construction	2021
USACE	Minish Park - CONTRACT 4A	Essex	Newark	Bulkhead	\$5,862,965	\$5,361,500	\$501,465	Complete	2008
USACE	Minish Park - CONTRACT 1	Essex	Newark	Bulkhead	\$35,700,000	\$32,920,500	\$2,779,500	Complete	1999
USACE	Minish Park - CONTRACT 2	Essex	Newark	Bulkhead	Unavailable			Complete	1999
USACE	Old Bridge - Beachfill Initial Construction	Middlesex	Old Bridge	Beachfill-Hydraulic	\$587,490	\$226,080	\$361,410	Complete	1966
USACE	Old Bridge - Levee and Closure Gate Initial Construction	Middlesex	Old Bridge	Levee, Tide Gate	\$442,320	\$309,624	\$132,696	Complete	1966
USACE	Hurricane Sandy FCCE, Contract 3B, Asbury Park to Avon-by-the-Sea	Monmouth	Asbury Park, Ocean Grove, Bradley Beach, Avon-by-the-Sea	Beachfill-Hydraulic	\$18,332,500	\$18,332,500		Complete	2014
USACE	Asbury Park to Manasquan, North Reach, Initial Construction, Asbury Park to Avon-by-the-Sea	Monmouth	Asbury Park, Ocean Grove, Bradley Beach, Avon-by-the-Sea	Beachfill-Hydraulic	\$22,249,000	\$14,897,000	\$7,352,000	Complete	2000

APPENDIX: SHORE PROTECTION FUND PROJECTS

Shore Protection Projects Undertaken in New Jersey Since the Creation of the Shore Protection Fund (1993-present)

Main Sponsor	Project Name	County	Municipality	Project Type	Total Cost	Federal Cost	Non-Federal Cost	Status	Year Complete
USACE	Hurricane Sandy FCCE, Contract 3A, Belmar to Manasquan	Monmouth	Belmar, Spring Lake, Sea Girt, Manasquan	Beachfill-Hydraulic	\$25,254,400	\$25,254,400		Complete	2014
USACE	Asbury Park to Manasquan, South Reach, Initial Construction, Belmar to Manasquan	Monmouth	Belmar, Spring Lake, Sea Girt, Manasquan	Beachfill-Hydraulic	\$25,076,000	\$15,864,000	\$9,212,000	Complete	1997
USACE	Elberon to Loch Arbour, Contract 2, Initial Construction, Deal to Elberon	Monmouth	Deal, Ocean, Long Branch	Beachfill-Hydraulic	\$87,047,210	\$87,047,210		Complete	2016
USACE	Highlands Coastal Storm Risk Management	Monmouth	Highlands Boro	Floodwall	TBD			Design	TBD
USACE	Keansburg - Levee/Floodwall Repair	Monmouth	Keansburg	Levee, Floodwall	\$3,400,187	\$3,400,187		Complete	2014
USACE	Keansburg & East Keansburg - Hurricane Sandy FCCE Beachfill	Monmouth	Keansburg, Middletown	Beachfill-Hydraulic	\$36,883,835	\$36,883,835		Complete	2014
USACE	Keansburg & East Keansburg - Beachfill/Floodgate/Levee Initial Construction	Monmouth	Keansburg, Middletown	Beachfill-Hydraulic, Tide Gate, Pump Station, Levee	\$3,693,000	\$2,116,000	\$1,128,000	Complete	1974
USACE	Elberon to Loch Arbour, Contract 1, Initial Construction, Loch Arbour to Deal	Monmouth	Loch Arbour, Allenhurst, Deal	Beachfill-Hydraulic	\$38,283,230	\$38,283,230		Complete	2015
USACE	Hurricane Sandy FCCE, Contract 2B, Long Branch	Monmouth	Long Branch	Beachfill-Hydraulic	\$40,067,500	\$40,067,500		Complete	2014
USACE	Renourishment Contract #2, South End Long Branch	Monmouth	Long Branch	Beachfill-Hydraulic	\$8,500,000	\$5,525,000	\$2,975,000	Complete	2009
USACE	Sea Bright to Ocean Township, Contract 2, Initial Construction, Long Branch	Monmouth	Long Branch	Beachfill-Hydraulic	\$41,020,000	\$27,372,000	\$13,648,000	Complete	1998
USACE	Port Monmouth - PHASE II, CONTRACT 4B/5: Initial construction - Floodwall, Levee, Road Closure Gate, Pump Station, Road Raising	Monmouth	Middletown	Floodwall, Levee, Pump Station, Road Raising	\$51,959,901	\$51,959,901		Design	2023

Shore Protection Projects Undertaken in New Jersey Since the Creation of the Shore Protection Fund (1993-present)

Main Sponsor	Project Name	County	Municipality	Project Type	Total Cost	Federal Cost	Non-Federal Cost	Status	Year Complete
USACE	Port Monmouth - PHASE II, CONTRACT 1: Initial construction - Mitigation	Monmouth	Middletown	Wetland Restoration	\$6,412,200	\$6,412,200		Design	2023
USACE	Port Monmouth - PHASE II, CONTRACT 4A: Initial construction - Road Raising and Electric Work	Monmouth	Middletown	Road Raising	\$1,816,842	\$1,816,842		Complete	2021
USACE	Port Monmouth - PHASE II, CONTRACT 2: Initial construction - Pump Station/Tide Gate	Monmouth	Middletown	Tide Gate, Pump Station	\$23,392,120	\$23,392,120		Complete	2020
USACE	Port Monmouth - PHASE II, CONTRACT 3: Initial construction - Floodwall and Road Closure Gate	Monmouth	Middletown	Floodwall	\$13,687,687	\$13,687,687		Complete	2019
USACE	Port Monmouth - PHASE I, CONTRACT 1: Initial construction - Beachfill & Groin	Monmouth	Middletown	Beachfill-Hydraulic	\$17,731,250	\$17,731,250		Complete	2015
USACE	Renourishment Contract #3 South End Monmouth Beach	Monmouth	Monmouth Beach	Beachfill-Hydraulic	\$13,000,000	\$8,450,000	\$4,550,000	Complete	2012
USACE	Renourishment Contract #4 North End Monmouth Beach, South End of Sea Bright, Sea Bright Public Beach	Monmouth	Sea Bright, Monmouth Beach	Beachfill-Hydraulic	\$19,000,000	\$12,350,000	\$6,650,000	Complete	2013
USACE	Hurricane Sandy FCCE, Contract 2A, Sea Bright & Monmouth Beach (Reaches 1A / 1B)	Monmouth	Sea Bright, Monmouth Beach	Beachfill-Hydraulic	\$25,590,800	\$25,590,800		Complete	2013
USACE	Renourishment Contract #1, Sea Bright & Monmouth Beach	Monmouth	Sea Bright, Monmouth Beach	Beachfill-Hydraulic	\$11,190,884	\$7,274,075	\$3,916,809	Complete	2002
USACE	Sea Bright to Ocean Township, Reach 1A/1B, Initial Construction, Monmouth Beach/Sea Bright	Monmouth	Sea Bright, Monmouth Beach	Beachfill-Hydraulic	\$134,800,000	\$134,800,000		Complete	1996
USACE	Renourishment Contract #5, North End Monmouth Beach, South End of Sea Bright, South End of Long Branch & Elberon (options)	Monmouth	Sea Bright, Monmouth Beach, Long Branch	Beachfill-Hydraulic	\$60,700,000	\$39,455,000	\$21,245,000	Complete	2020
USACE	Renourishment Contract #6 (locations TBD)	Monmouth	TBD	Beachfill-Hydraulic	\$33,000,000	\$21,450,000	\$11,550,000	Design	TBD
USACE	Union Beach - CONTRACT 2: Flat Creek to East Creek Levee and Floodwall and Interior Levee	Monmouth	Union Beach	Floodwall, Levee	\$62,828,000	\$40,838,200	\$21,989,800	Design	2027

APPENDIX: SHORE PROTECTION FUND PROJECTS

Shore Protection Projects Undertaken in New Jersey Since the Creation of the Shore Protection Fund (1993-present)

Main Sponsor	Project Name	County	Municipality	Project Type	Total Cost	Federal Cost	Non-Federal Cost	Status	Year Complete
USACE	Union Beach - CONTRACT 3: East Creek Levee (East of East Creek Only)	Monmouth	Union Beach	Levee	\$8,579,000	\$5,576,350	\$3,002,650	Design	2027
USACE	Union Beach - CONTRACT 4: Chingarora Levee and Floodwall	Monmouth	Union Beach	Floodwall, Levee	\$135,703,000	\$88,206,950	\$47,496,050	Design	2027
USACE	Union Beach - CONTRACT 5: Wetland Mitigation	Monmouth	Union Beach	Wetland Restoration	\$22,067,000	\$14,343,550	\$7,723,450	Design	2027
USACE	Union Beach - CONTRACT 1: Beachfill and Groin	Monmouth	Union Beach	Beachfill-Hydraulic	\$60,067,000	\$39,043,550	\$21,023,450	Design	2023
USACE	New Jersey Back Bays Coastal Storm Risk Management (NJBB)	Monmouth, Ocean, Burlington, Atlantic, Cape May	Various	Storm Surge Barrier, Floodwall, Levee, Nature-Based Features, Structure Elevation, Buyouts	TBD			Concept	TBD
USACE	Modecai Island Living Shoreline (CAP Project)	Ocean	Beach Haven Boro	Living Shoreline	TBD			Concept	TBD
USACE	Section 1122 Beneficial Reuse Pilot Project (Phase 2) - Barnegat Inlet Island Creation	Ocean	Berkeley	Beachfill-Hydraulic	TBD			Design	TBD
USACE	Section 1122 Beneficial Reuse Pilot Project (Phase 1) - Harvey Cedars	Ocean	Harvey Cedars	Beachfill-Hydraulic	TBD			Design	TBD
USACE	Barnegat Inlet to Little Egg Inlet Initial Construction Harvey Cedars	Ocean	Harvey Cedars	Beachfill-Hydraulic	\$25,773,801	\$17,825,470	\$9,598,331	Complete	2010
USACE	Barnegat Inlet to Little Egg Inlet Harvey Cedars Emergency Beachfill	Ocean	Harvey Cedars	Beachfill-Truckfill	\$421,009	\$421,009		Complete	2006
USACE	Barnegat Inlet to Little Egg Inlet FCCE Repair; Harvey Cedars, Surf City, Brant Beach	Ocean	Harvey Cedars, Surf City, Brant Beach	Beachfill-Hydraulic	\$30,923,850	\$30,923,850		Complete	2013
USACE	Barnegat Inlet to Little Egg Inlet Brant Beach Initial Construction	Ocean	Long Beach Twp	Beachfill-Hydraulic	\$16,777,116	\$10,905,125	\$5,871,331	Complete	2012
USACE	Manasquan Inlet to Barnegat Inlet, Initial Construction	Ocean	Point Pleasant Beach, Bay Head, Mantoloking, Brick, Toms River,	Beachfill-Hydraulic	\$119,418,604	\$77,622,093	\$41,796,511	Complete	2019

Shore Protection Projects Undertaken in New Jersey Since the Creation of the Shore Protection Fund (1993-present)

Main Sponsor	Project Name	County	Municipality	Project Type	Total Cost	Federal Cost	Non-Federal Cost	Status	Year Complete
			Lavallette, Seaside Heights, Seaside Park, Berkeley						
USACE	Barnegat Inlet to Little Egg Inlet LBI Initial Beachfill	Ocean	Ship Bottom, Beach Haven, Long Beach Twp	Beachfill-Hydraulic	\$143,474,974	\$143,474,974		Complete	2016
USACE	Barnegat Inlet to Little Egg Inlet Surf City FCCE Repair	Ocean	Surf City	Beachfill-Hydraulic	\$4,010,581	\$4,010,581		Complete	2011
USACE	Barnegat Inlet to Little Egg Inlet Initial Construction Surf City	Ocean	Surf City	Beachfill-Hydraulic	\$8,604,738	\$5,674,612	\$3,055,560	Complete	2007
USACE	FCCE Barnegat Inlet to Little Egg Inlet, Harvey Cedars, Surf City, and Brant Beach	Ocean	Surf City, Brant Beach, Harvey Cedars	Beachfill-Hydraulic	\$37,108,622	\$30,699,685	\$6,408,937	Complete	2018
USACE	Delaware Bay Coastline, Oakwood Beach Initial Construction	Salem	Elsinboro Township	Beachfill-Hydraulic	\$12,207,000	\$7,934,550	\$4,272,450	Complete	2014

1. List is current as of 3/26/2021.

2. List is inclusive of all construction contracts that utilized Shore Protection Funds, were administered by NJDEP-DCE, and/or had NJDEP-DCE serve as the non-federal sponsor.

3. NJDEP-DCE is the non-federal sponsor on all USACE projects/contracts listed. Contracts listed date back to 1966.

4. Project information is based on best available data. Costs and dates may differ from actual

APPENDIX: SHORE PROTECTION FUND PROJECTS

Unfunded Local Project Requests for Shore Protection Funds

County	Town/Agency	Year Submitted	Location	Project Type	Est. Total Cost
Atlantic	Absecon	2010	Creek Waterfront	Bulkhead, wetland mitigation, paved lot etc.	\$826,100.00
Atlantic	Atlantic City	2012	Massachusetts Avenue	Flood Control Improvements	\$451,620.40
Atlantic	Atlantic City	2012	South Boulevard	Bulkhead Project	\$1,800,000.00
Atlantic	Atlantic City	2012	Sunset Avenue	Bulkhead Reconstruction	\$5,282,000.00
Atlantic	Atlantic City/CRDA	2012	City Wide	Storm Damage Mitigation Project	\$312,729,500.00
Atlantic	Margate	2017	City wide - Beach Street Ends	Storm Sewer System	\$705,926.27
Atlantic	Margate	2010	33 Street Ends	Bulkhead Replacement	\$3,723,604.00
Atlantic	Margate	2013	Amherst Avenue	Bulkhead Recon.	\$3,249,930.00
Atlantic	Ventnor City	2012	Various Locations	Bulkhead Restoration	\$990,075.00
Burlington	Delanco	2010	Zurbrugg Waterfront	Bulkhead Recon.	\$249,875.00
Burlington	Delran	2012	River Drive	Streambank Stabilization-Gabion baskets & Vegetation, Outfall pipe	\$1,435,000.00
Camden	Gloucester City	2017	Proprietors Park	Seawall USACE CAP Project	\$2,376,000.00
Cape May	Avalon	2009	9th street - 18th street	Beachfill	\$1,560,000.00
Cape May	Avalon	2009	Oceanfront Beach	Groin Field study - Davidson Laboratories	Unavailable
Cape May	Cape May City	2013	Beach Avenue	Floodwall	\$4,670,000.00
Cape May	Cape May City	2006	Delaware Avenue	Coastal Protection	\$2,607,500.00
Cape May	Cape May City	2006	Delaware Avenue	Bulkhead/Seawall USACE CAP Project	\$2,607,500.00
Cape May	North Wildwood	2018	Oceanfront Hereford Inlet	Beachfill	\$11,850,000.00
Cape May	North Wildwood	2017	2nd - 8th Avenue	Seawall, bulkhead, repair & construction	\$8,999,206.00
Cape May	North Wildwood	2010	South End Beach	Beachfill	\$3,887,725.00
Cape May	Ocean City	2013	Oceanfront Beach	Beach Replenishment	Unavailable
Cape May	Ocean City	2008	Oceanfront Beach	Emergency Beachfill	Unavailable
Cape May	Sea Isle City	2012	Oceanfront Beach	Beach Replenishment	\$10,000,000.00
Cape May	Sea Isle City	2011	Oceanfront Beach	Beach Nourishment	\$3,200,000.00
Cape May	Sea Isle City	2008	42nd St	Bulkhead Recon., Walkway Along Marina	\$3,000,000.00
Cape May	West Wildwood	2018	Breakwater/Living Shoreline	Breakwater/Living Shoreline	\$910,303.00
Cape May	Wildwood	2012	Wildwood Back Bay	Coastal Redevelopment	\$2,290,000.00
Cape May	Wildwood Crest	2007	Oceanfront Beach	Sand Fence Installation	\$25,000.00
Cumberland	Commercial	2010	Berry Avenue	Flood Control Gate, Sheet Piling	\$240,000.00
Cumberland	Maurice River	2020	Mouth of Maurice River	Shoreline Stabilization	\$9,000,000.00
Hudson	Bayonne	2010	Former Military Ocean Terminal (Phase 5)	Bulkhead Recon. Debris Removal	\$3,025,000.00
Hudson	Bayonne	2009	Former Military Ocean Terminal (Phase 2)	Bulkhead	\$5,851,200.00
Hudson	Secaucus	2018	Gale Place & Valley Court	Bulkhead	\$15,000,000.00
Middlesex	Perth Amboy	2013	Waterfront	Waterfront Recovery and Redevelopment	\$24,000,000.00
Middlesex	Perth Amboy	2008	Various Areas	Bulkhead Recon., Revetment Work	\$4,860,000.00
Middlesex	South Amboy	2012	Boat Ramp	Boat Ramp Repair and Maintenance Dredging	Unavailable
Monmouth	Aberdeen Township	2015	Lakeshore Dr/Ocean Blvd	Bulkhead and Beach Replenishment	\$4,004,497.88
Monmouth	Asbury Park	2005	Wesley Lake (Grand Ave to termination pt.)	Bulkhead	\$1,200,000.00
Monmouth	Avon-by-the-Sea	2006	1st-5th Ave, Riverside Ave	Bulkhead Recon.	\$834,675.00
Monmouth	Keansburg	2011	Creek Road/Seeley Ave	Bulkhead Replacement	\$593,050.00
Monmouth	Keansburg	2006	Laurel Avenue/Creek Road	Bulkhead Replacement	Unavailable

Unfunded Local Project Requests for Shore Protection Funds

County	Town/Agency	Year Submitted	Location	Project Type	Est. Total Cost
Monmouth	Keyport	2010	Benjamin Terry Park	Bulkhead Recon.	\$1,407,621.00
Monmouth	Long Branch	2009	Branchport Creek	Bulkhead Recon, Boat Ramp, and Floating Dock	\$2,390,700.00
Monmouth	Manasquan	2020	Stockton Lake	Bulkhead Replacement	\$2,500,000.00
Monmouth	Manasquan	2006	Municipal Marina	Bulkhead Replacement	\$4,500,000.00
Monmouth	Middletown	2007	Leonardo and Ideal Beaches	Beach Replenishment	\$3,000,000.00
Monmouth	Monmouth Beach	2006	Shorelands Park	Bulkhead Construction	\$375,000.00
Monmouth	Monmouth Beach	2005	Sea Wall	Splash Pad maintenance and Seawall Repairs	Unavailable
Monmouth	Neptune	2009	Shark River Municipal Marina	Bulkhead Recon.	\$3,044,300.00
Monmouth	Oceanport	2009	Blackberry Bay Park	Bulkhead Recon., Boat Ramp, Dock	\$359,160.00
Monmouth	Rumson	2006	Washington Ave, Lincoln Ave, Municipal Ramp	Bulkhead Recon.	\$450,000.00
Ocean	Beachwood	2017	T-dock	Technical Assistance regarding erosion	Unavailable
Ocean	Beachwood	2011	Beachwood Beach	Breakwater Installation & Nourishment	\$72,000.00
Ocean	Beachwood	2010	Beachwood Beach	Bulkhead and Beach Nourishment	\$276,000.00
Ocean	Beachwood	2006	Beachwood Beach	Groin	\$78,000.00
Ocean	Beachwood	2006	Beachwood Beach	Bulkhead	\$226,800.00
Ocean	Berkeley Township	2005	Robert Avenue Marsh	Breakwater Structure	\$350,000.00
Ocean	Holgate (LBT)	2017	Terminal Groin	Groin	\$7,630,709.00
Ocean	Island Heights	2006	Ocean Avenue (Long Point)	Bulkhead Recon.	\$32,832.00
Ocean	Little Egg Harbor	2011	Parkertown Beach	Gabion, Vegetation & Nourishment	\$148,800.00
Ocean	Little Egg Harbor	2008	Parkertown Beach	Beach Nourishment, Dune, Rock Groin	\$112,200.00
Ocean	Little Egg Harbor	2012	Iowa Court	Gabion Stabilization and Restoration	\$190,050.00
Ocean	Ocean	2008	Crystal Point	Groin Construction, Bulkhead Recon.	\$122,400.00
Ocean	Pine Beach	2005	Waterfront and Riverside Drive	Bulkhead Replacement & Groin	\$1,123,650.00
Ocean	Point Pleasant	2012	Dorsett Dock Road	Bulkhead Replacement, Upland Stabilization	\$395,275.00
Ocean	Point Pleasant	2010	NJ Police Point Pleasant Marine Station	Bulkhead Recon.	\$592,900.00
Salem	Pennsville Township	2013	Enlow Place	Phase III Bulkhead Replacement	\$592,500.00

Note: This is an approximate list of requests for funding assistance received by the NJDEP Division of Coastal Engineering between 2005-2021. The requested cost share from the NJ Shore Protection Fund for each project varies, based on Local funding availability. Some projects may have been partially or fully implemented at the Local level since the request date, depending on whether Local governments were able to secure funding from other sources. Some of the estimated costs were unavailable from applicants at the time of request.

APPENDIX: SHORE PROTECTION FUND PROJECTS

Shore Protection Fund 5 Year Capital Summary

USACE Lead Projects			FY22	FY23	FY24	FY25	FY26
	State Share	Capital (SPF)	\$59,365	\$14,356	\$24,738	\$23,469	\$38,272
	Local Share	Local	\$19,088	\$4,085	\$7,546	\$7,123	\$10,624
	Federal Share	Federal	\$105,821	\$37,230	\$53,780	\$49,731	\$53,380
		Total	\$184,274	\$55,671	\$86,064	\$80,323	\$102,276
USACE Studies			FY22	FY23	FY24	FY25	FY26
	State Share	Capital (SPF)	\$1,020	\$4,225	\$10,525	\$1,000	\$1,000
	Federal Share	Federal	\$850	\$4,375	\$26,780	\$1,000	\$1,000
		Total	\$1,870	\$8,600	\$37,305	\$2,000	\$2,000
State/ Local Projects			FY22	FY23	FY24	FY25	FY26
	State Share	Capital (SPF)					
	Local Share	Local					
		Total	\$0	\$0	\$0	\$0	\$0
Administration			FY22	FY23	FY24	FY25	FY26
	DCE	Capital (SPF)	\$4,442	\$4,442	\$4,442	\$4,442	\$4,442
	F&W	Capital (SPF)	\$250	\$250	\$250	\$250	\$250
	Geol Survey	Capital (SPF)	\$445	\$445	\$445	\$445	\$445
		Total	\$5,137	\$5,137	\$5,137	\$5,137	\$5,137
Stevens Institute Stockton University			FY22	FY23	FY24	FY25	FY26
		Capital (SPF)	\$500	\$500	\$500	\$500	\$500
		Capital (SPF)	\$600	\$600	\$600	\$600	\$600
		Total	\$1,100	\$1,100	\$1,100	\$1,100	\$1,100
Bayshore Floodgate Bayshore Floodgate Port Monmouth Union Beach			FY22	FY23	FY24	FY25	FY26
	O&M	Capital (SPF)	\$440	\$440	\$440	\$440	\$440
	Capital Projects	Capital (SPF)	\$500	\$500	\$500	\$500	\$500
	O&M	Capital (SPF)	\$250	\$330	\$330	\$330	\$330
	O&M	Capital (SPF)	\$0	\$600	\$600	\$600	\$600
		Total	\$1,190	\$1,870	\$1,870	\$1,870	\$1,870
Grand Total			FY22	FY23	FY24	FY25	FY26
	State/Shore Prot	Capital (SPF)	\$67,812	\$26,688	\$43,370	\$32,576	\$47,379
	Local Share	Local	\$19,088	\$4,085	\$7,546	\$7,123	\$10,624
	Federal Share	Federal	\$106,671	\$41,605	\$80,560	\$50,731	\$54,380
		Total	\$193,571	\$72,378	\$131,476	\$90,430	\$112,383

Note: Amounts are x \$1,000.