

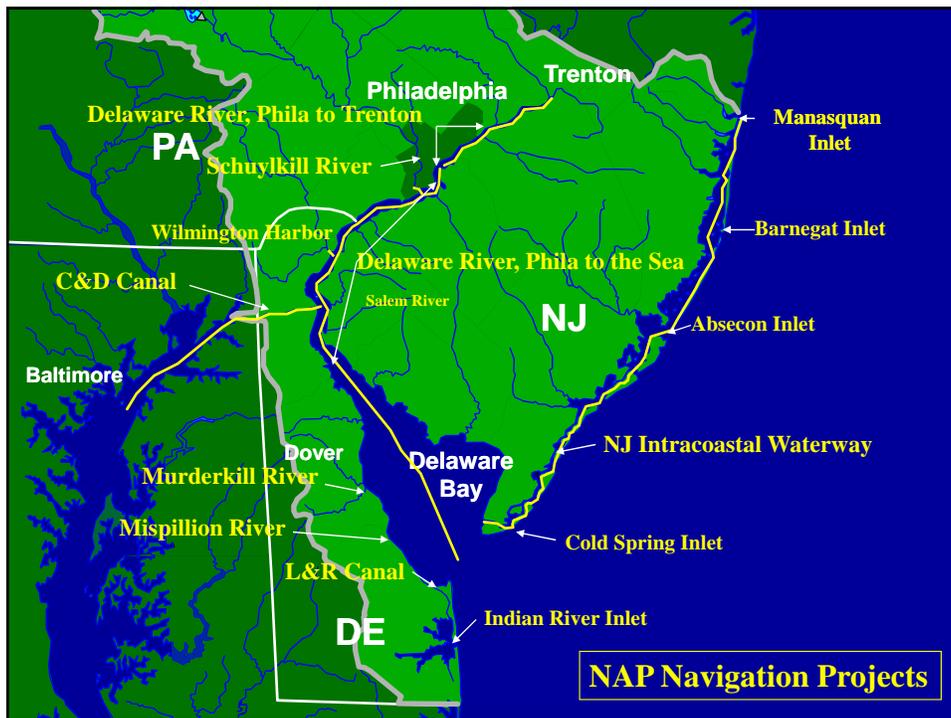
Philadelphia District North Atlantic Division Dredging Program

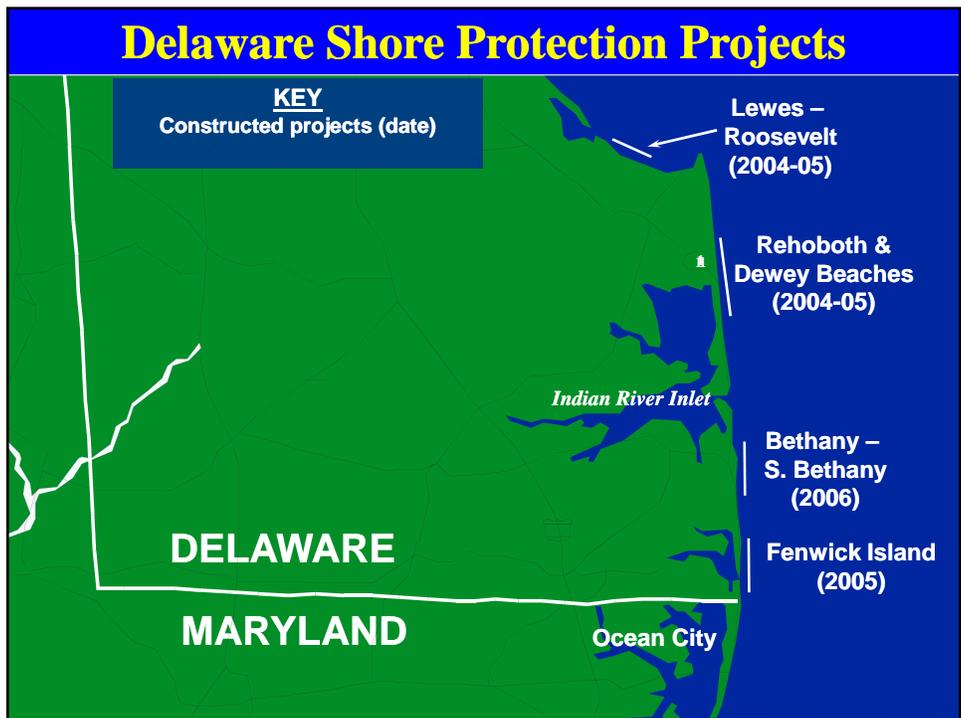
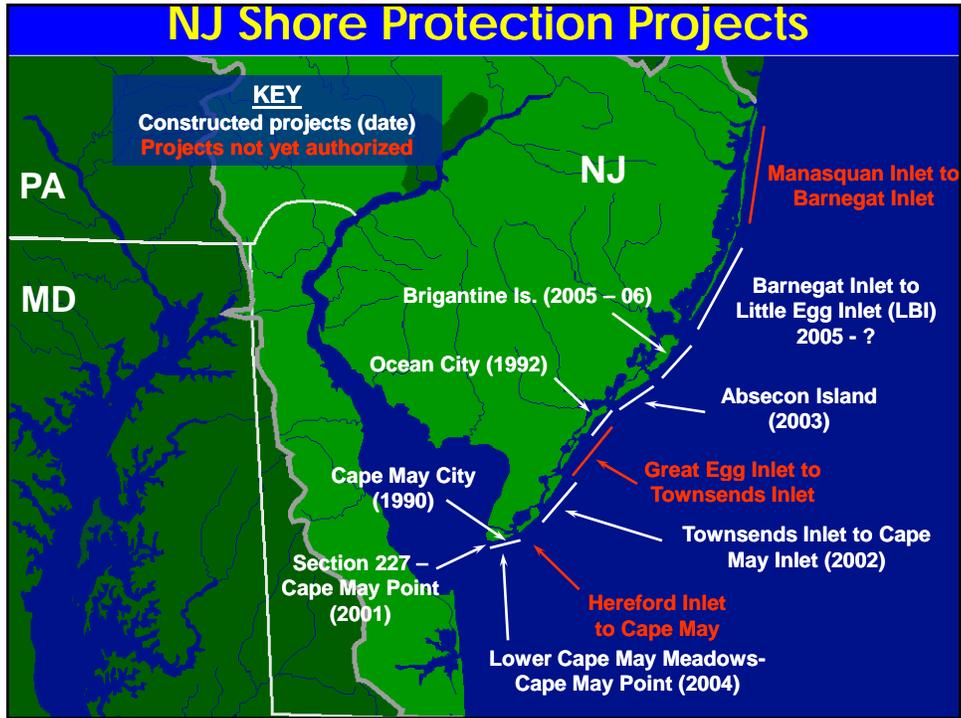
Monica Chasten
Project Manager
Operations Division

WEDA Eastern Chapter Meeting
October 2010



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FY11 NAP Navigation Dredging

Project	Quantity (cy)	Advertise	Award	Contract Type	Env No-Work Windows	2010			2011								
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
<i>Operations & Maintenance Dredging</i>																	
Manasquan Inlet, NJ	25k	n/a	n/a	Gov't													
Barnegat Inlet, NJ	100k	n/a	n/a	Gov't													
Barnegat - Oyster Creek	10k	2-Apr-09	19-May-09	Rental	1 Jan- 31 May												
Cold Spring Inlet, NJ	100k	n/a	n/a	Gov't													
NJ Intracoastal Waterway	250k	2-Apr-09	19-May-09	Rental	1 Jan- 31 May												
Delaware River, Phila to Sea	1750k	25-Jun-10	25-Aug-10	IFB													
Delaware River Phila - Sea	500k	n/a	n/a	Gov't													
Delaware River Main Channel Deepening	1350k	14-Sep-10	1-Dec-10	IFB	15 Mar - 31 Jul												
Fairless Turning Basin Deepening	150k	21-Jun-11	16-Aug-11	IFB	1 Jan-15 Jul												
Wilmington Harbor, DE	450k	15-Apr-11	1-Jun-11	IFB	1 Apr-15 June												
Intracoastal Waterway Del River-Ches Bay (Open Water)	1,900k	20-Jul-10	27-Aug-10	IFB	Mar - Sept												

Hopper	Special Purpose
Mechanical	Pipeline

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FY 11 NAP Shore Protection Projects

<i>Shore Protection Projects</i>															
Project	Quantity	Advertise	Award	Contract Type	Env No-Work Windows	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
FCCE: Barnegat Inlet to Little Egg Inlet, NJ (Surf City)	220k	9-Nov-10	14-Dec-10	IFB											
DE FCCE Contract; Rehoboth/Dewey, Beth/S. Bethany, Fenwick Island	930k	24-Sep-10	9-Nov-10	IFB											
Lower Cape May Meadows/Cape May Point, NJ	400k	7-Sep-10	10-Nov-10	IFB											
FCCE: Absecon Island (Atlantic City & Ventnor), NJ	900k	22-Oct-10	30-Nov-10	IFB											
FCCE: Townsends (Avalon & Stone Harbor), NJ	300k	9-Nov-10	14-Dec-10	IFB											
Barnegat Inlt to Little Egg Inlt, NJ (Long Beach Twp)	1200k	15-Mar-11	28-Apr-11	IFB											

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FY11-FY15 Dredging Schedule NAP Major Navigation Projects



Maintenance Dredging	Project Quantity (CY)	Placement Site	FY11				FY12				FY13				FY14				FY15					
			1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr		
Delaware River, Ph to the Sea	Hydraulic 1.7M	Upland	■			■				■				■				■				■		
Delaware River, Ph to Trenton	Hydraulic 700M	Upland							■	■	■	■		■	■	■								■
Wilmington Harbor, DE	Hydraulic 500K	Upland			■				■				■				■						■	
C&D Canal Proper	Mechanica Hopper 300K	Upland				■	■														■	■		
C&D Canal Northern Approach	Hydraulic 40K	Upland						■	■															
C&D Canal Southern Approach	Mechanica 1.5M	Upland Site 92 closed	■			■	■			■	■			■	■						■	■		
Schuylkill River, PA	Hydraulic 600K	Upland						■	■															■
Salem River, NJ	Hydraulic 250K	Upland						■	■															■

FY11-FY15 Dredging Schedule Coastal Navigation Projects



Maintenance Dredging	Project Quantity (CY)	Placement Site	FY11				FY12				FY13				FY14				FY15						
			1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr			
NJWW	Hydraulic 100K	Upland	■						■	■				■	■				■	■				■	■
Cold Spring Inlet	Gov't Plant	Open Beach	■		■	■		■	■	■	■		■	■	■	■		■	■	■	■		■	■	
Barnegat Inlet	Gov't Plant	Open Beach		■	■			■	■			■	■			■	■		■	■			■	■	
Manasquan Inlet	Gov't Plant	Open Beach		■				■	■			■	■			■	■		■	■			■	■	



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Delaware River, Phila. to Sea Maintenance Dredging - Hydraulic

Cubic Yards: 1,700,000
 Type of Material : Maintenance – Silt/Sand
 Type of Equipment : Pipeline
 Type of Disposal : Confined Upland Disposal
 Bid Opening Date : Summer
 Frequency : Annual
 Latest Award Date: 25 Aug 2010 (Norfolk)

Conditions: Issue work assignments for different ranges. First work assignment is normally issued by September.



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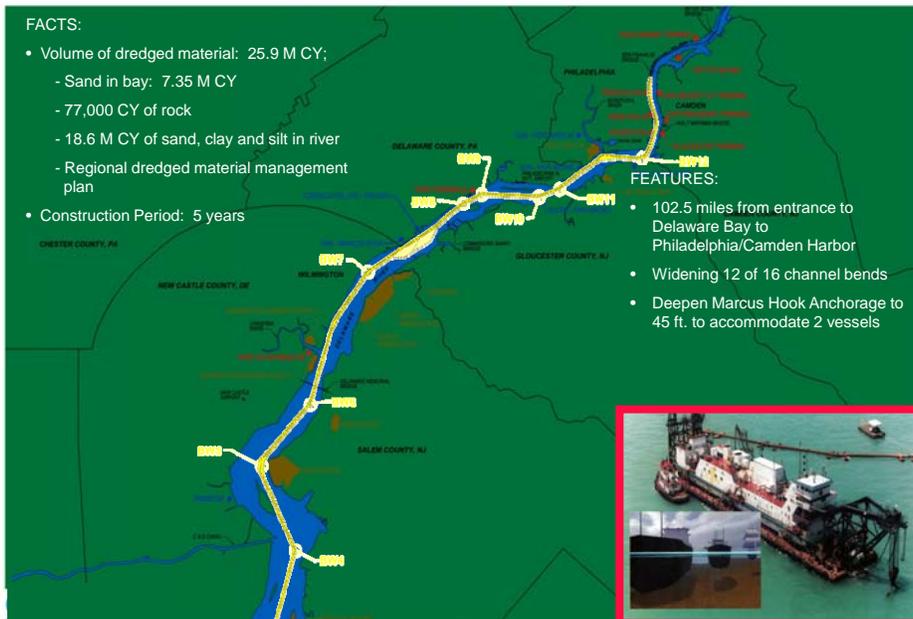
Deepening the Main Channel to 45': The Project

FACTS:

- Volume of dredged material: 25.9 M CY;
 - Sand in bay: 7.35 M CY
 - 77,000 CY of rock
 - 18.6 M CY of sand, clay and silt in river
 - Regional dredged material management plan
- Construction Period: 5 years

FEATURES:

- 102.5 miles from entrance to Delaware Bay to Philadelphia/Camden Harbor
- Widening 12 of 16 channel bends
- Deepen Marcus Hook Anchorage to 45 ft. to accommodate 2 vessels





**US Army Corps
of Engineers**
Philadelphia District

Delaware River Main Channel Deepening Reach B

Cubic Yards: 1,350,000
Type of Material : Silt/Sand
Type of Equipment : Pipeline
Type of Disposal : Confined Upland Disposal-Pedricktown South
Advertise: 14 Sept 2010
Bid Opening Date : 3 Nov 2010
Dredging Timeframe: Mid Dec to 15 March
Env. Window: No Dredging 15 March to 31 July

Remarks: 5-year Construction Period



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**US Army Corps
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DE River, Philadelphia to Trenton Fairless Turning Basin Deepening

Cubic Yards : 150,000
Type of Material : Silt
Type of Equipment : Pipeline
Type of Disposal : Confined Upland Disposal (Money Island)
Advertise: 21 June 2011
Award: 16 Aug 2011
Timeframe for Work: 1-15 Sept 2011

Remarks : Planning Division, Section 207



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**US Army Corps
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Philadelphia District

Wilmington Harbor, DE Maintenance

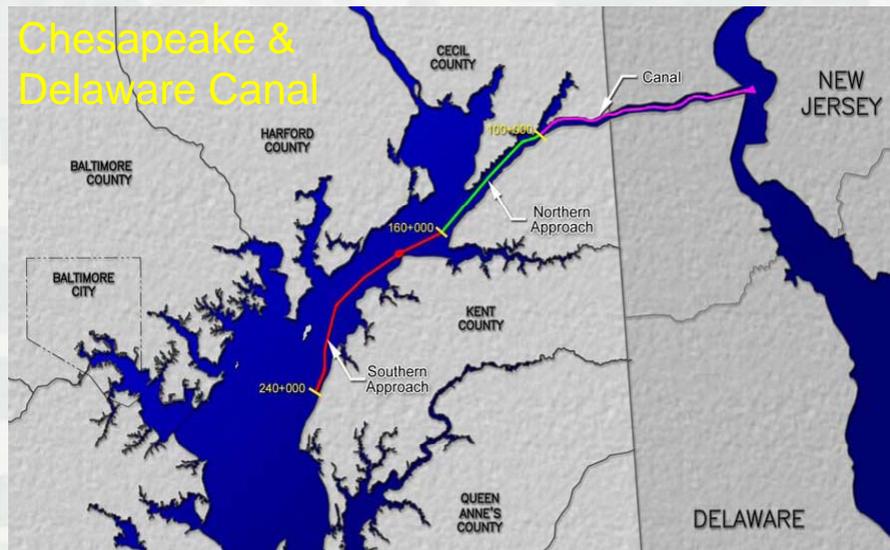
Cubic Yards : 450,000
Type of Material : Silt
Type of Equipment : Pipeline
Type of Disposal : Confined Upland Disposal
Frequency : Annual
Advertise: 15 April 2011

Remarks : No dredging allowed between 1 April and 15 June



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Chesapeake & Delaware Canal



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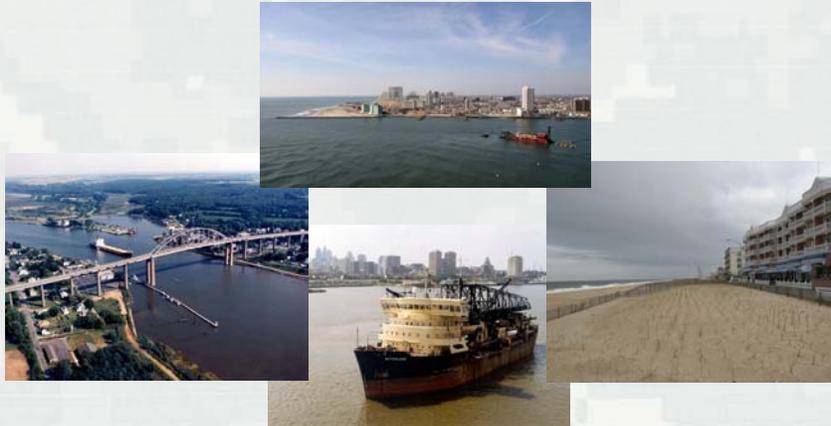
IWW, Delaware River – Chesapeake Bay Lower Approach Maintenance

Cubic Yards :	1,900,000	
Type of Material :	Silts	
Type of Equipment :	Mechanical	
Type of Disposal :	Open Water	
Special Conditions :	Placement of material into Poole's Island	
Contract Awarded:	27 Aug 2010 (Norfolk)	
Remarks:	All Open Water Disposal will be closed 31 Dec 10	



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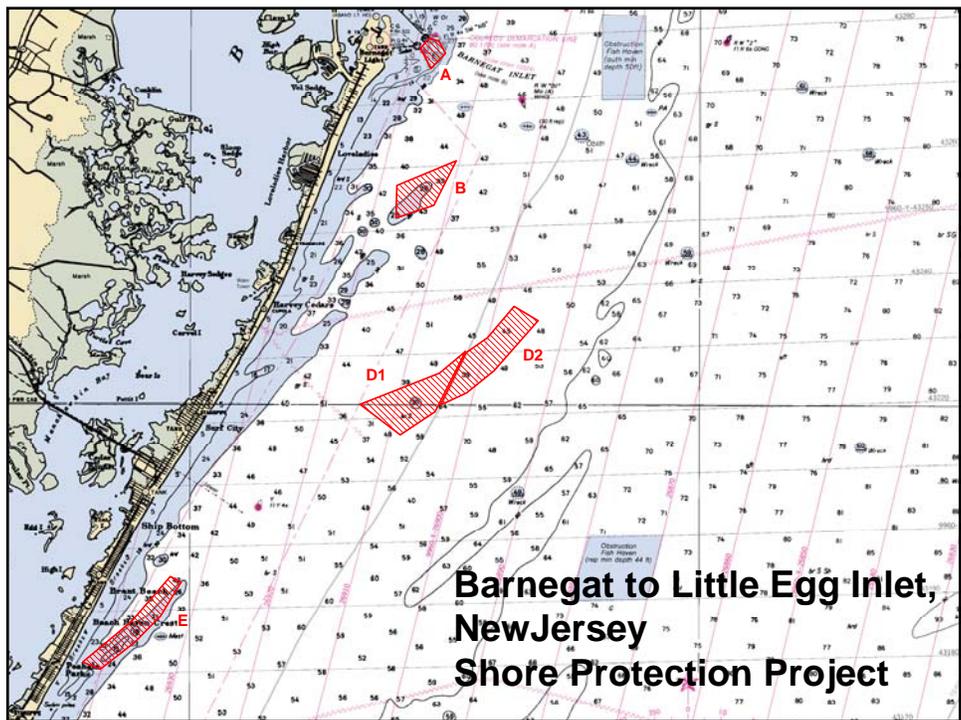
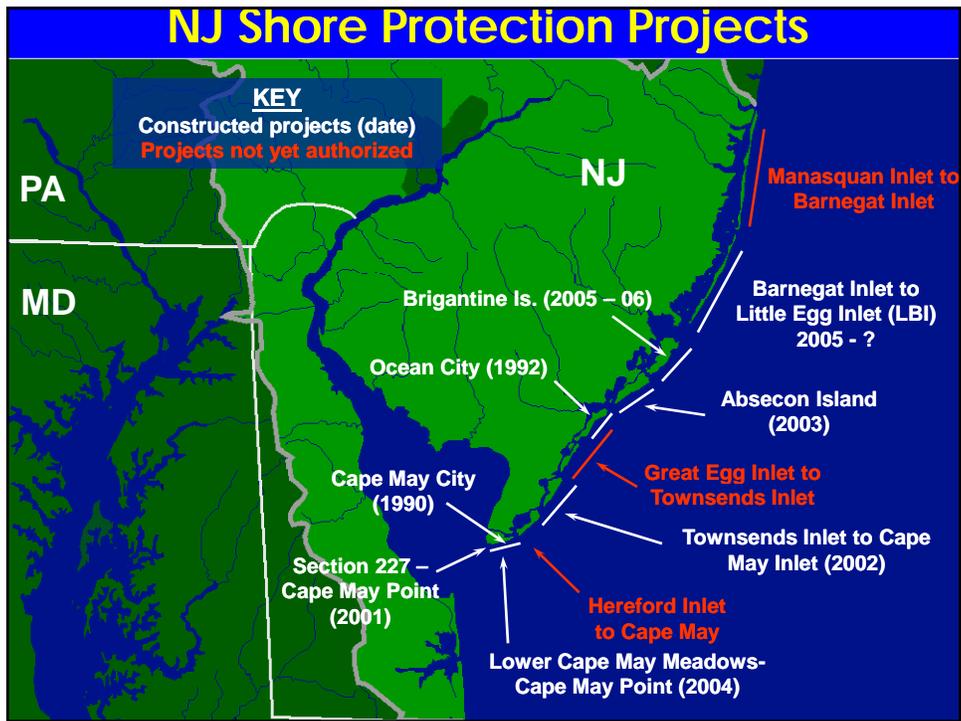
Questions?



GO PHILLIES!!



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Absecon Island Borrow Area (Before and After Dredging)

