

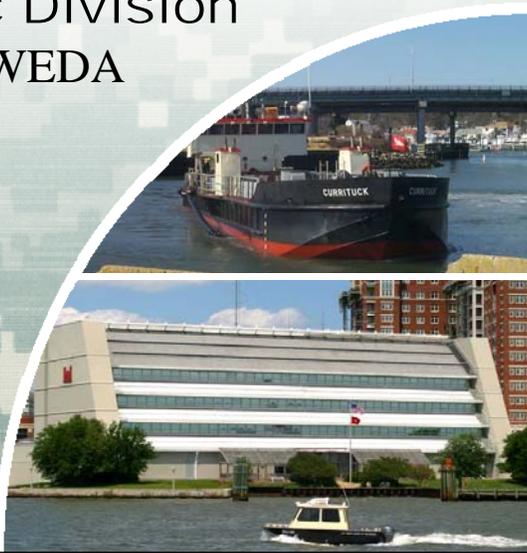
Norfolk District North Atlantic Division Eastern Chapter of WEDA Fall Conference

October 5, 2010

Stephen J. Powell, P.E.
(757) 201-7788



US Army Corps of Engineers
BUILDING STRONG®



5-Year Dredging Schedule

Hydraulic Pipeline Dredge Projects			FY-2011				FY-2012				FY-2013				FY-2014				FY-2015				
	CY	Placement Site	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	
Norfolk Harbor	650K	Crane Island																					
Norfolk Harbor, Channel to Newport News	250K	Crane Island																					
Norfolk Harbor, Crane Island Reach	650K	Crane Island																					
Norfolk Harbor, Crane Island ReHandling Basin	1,000K	Crane Island Upland																					
Rudee Inlet	60K	Beach Nourishment																					
James River IDIQ	500K	Overboard and Upland																					
James River RDWT Expansion	200K	Upland																					
Tyler's Beach	20K	Upland																					
Fisherman's Cove	5K	Beach Nourishment																					
Lynnhaven Inlet	100K	Beach Nourishment																					
Chincoteague Channel	50K	Overboard																					
Chincoteague Harbor of Refuge	10K	Upland																					

US Army Corps of Engineers – Norfolk District

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5-Year Dredging Schedule

Hydraulic Pipeline Dredge Projects			FY-2011				FY-2012				FY-2013				FY-2014				FY-2015				
	CY	Placement Site	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	
AIWW Dismal Swamp Canal, Feeder Ditch	65K	Upland	█																				
Delmarva Waterway (WCV)		Overboard and Beach Nourishment																					
Broad Creek		Upland																					
Cape Charles City Harbor		Upland and Beach Nourishment																					
Chincoteague Bay, Greenbackville		Upland																					
Greenvale Creek	20K	Beach Nourishment																					█
Hoskins Creek		Upland																					
Onancock River	125K	Overboard and Upland																					█
Oyster Channel		Upland																					
Queens Creek		Beach Nourishment																					
Quinby Creek		Overboard																					
Tangier Channel	75K	Beach Nourishment		█																			
US Navy Carrier Corridor	2,900K	Craney Island																					

US Army Corps of Engineers – Norfolk District

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5-Year Dredging Schedule

Hopper Dredge Projects			FY-2011				FY-2012				FY-2013				FY-2014				FY-2015				
	CY	Placement Site	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	
Atlantic Ocean Channel	425K	Dam Neck																					
Thimble Shoal Channel	400K	Dam Neck	█																				
York River Entrance Channel	250K	Walltrap Overboard																					
Chincoteague Inlet	100K	Overboard																					
Craney Island Eastward Expansion	1,200K	Overboard																					
Virginia Beach Hurricane Protection	1,500K	Beach Nourishment																					
Sandbridge Beach Hurricane Protection	2,000K	Beach Nourishment																					
Wallops Island Beach Nourishment	3,000K	Beach Nourishment																					

US Army Corps of Engineers – Norfolk District

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5-Year Dredging Schedule

Mechanical Dredge Projects			FY-2011				FY-2012				FY-2013				FY-2014				FY-2015			
	CY	Placement Site	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th
Norfolk Harbor, Southern Branch	300K	Caney Island																				
Appomattox River	400K	Upland																				
Bennetts Creek	25K	Caney Island																				
Deep Creek, Newport News	150K	Caney Island																				
Hampton Creek	25K	Caney Island																				
Newport News Creek	40K	Caney Island																				
Pagan River	50K	Caney Island																				
US Coast Guard ISC, Portsmouth	6K	Caney Island																				

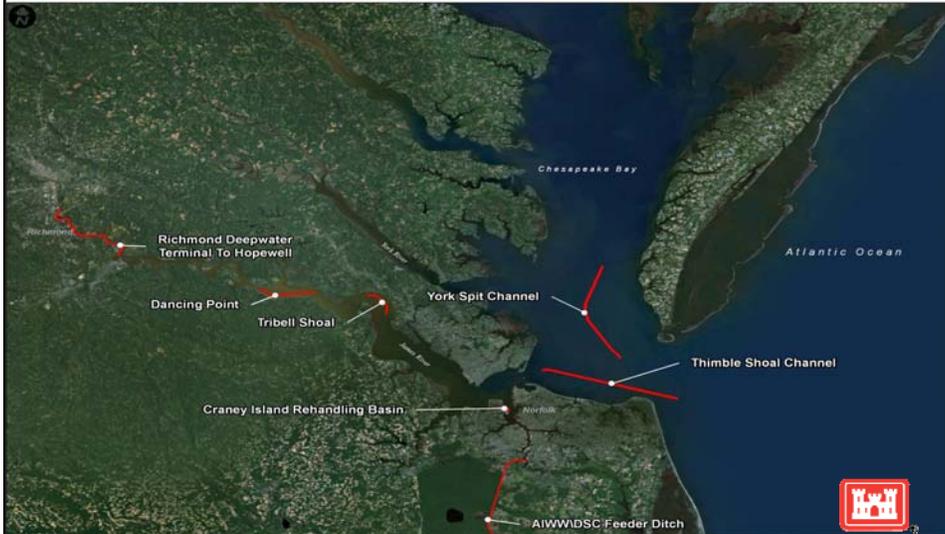


5-Year Dredging Schedule

Special Purpose Corps Dredge Currituck			FY-2011				FY-2012				FY-2013				FY-2014				FY-2015			
	CY	Placement Site	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th
Rudee Inlet	20K	Overboard																				
Lynnhaven Inlet	30K	Overboard																				
Chincoteague Inlet	50K	Overboard																				
Bennetts Creek	10K	Caney Island																				
Pagan River	10K	Caney Island																				
Onancock River	30K	Overboard																				



Norfolk District FY 10 Dredging Projects OVERVIEW

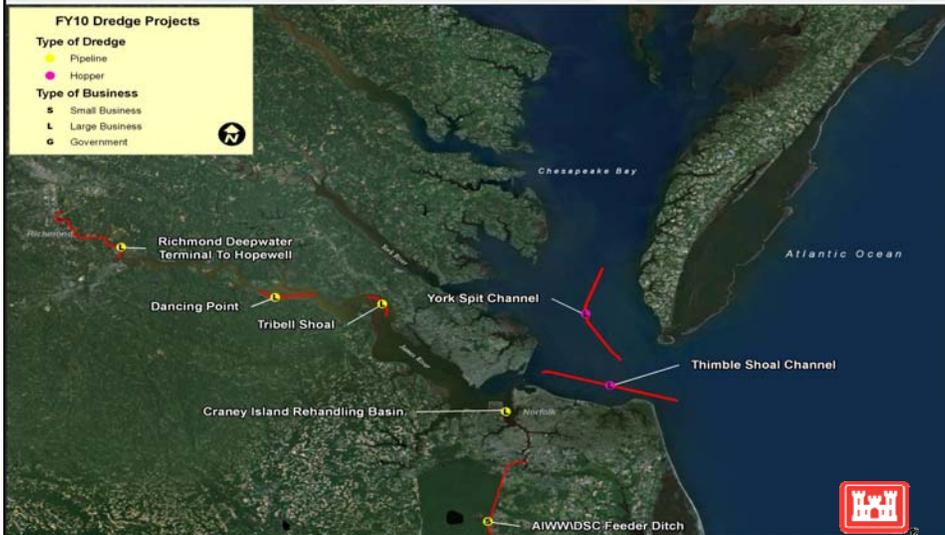


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Norfolk District FY 10 Dredging Projects Type of Projects



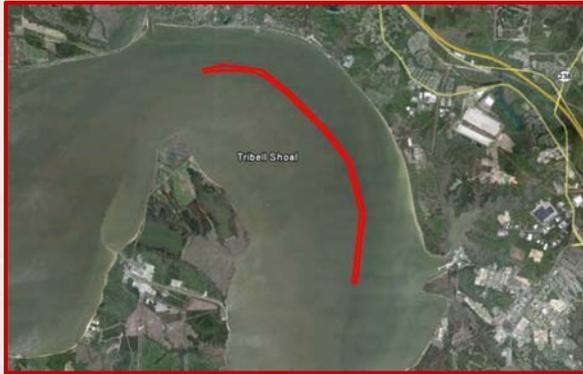
US Army Corps of Engineers – Norfolk District

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BUILDING STRONG®

James River Tribell Shoal Channel

- **Project Depth:**
25'
- **Estimated Quantity:**
165,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
N/A (Task Order 1)
- **Bid Opening Date:**
N/A (Task Order 1)
- **Seasonal Restrictions:**
15 February –
15 June



Project Manager: (757) 201-7788

US Army Corps of Engineers – Norfolk District

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BUILDING STRONG®

James River Dancing Point – Swann Point Shoal

- **Project Depth:**
25'
- **Estimated Quantity:**
250,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
N/A (Task Order 1)
- **Bid Opening Date:**
N/A (Task Order 1)
- **Seasonal Restrictions:**
15 February –
30 June



Project Manager: (757) 201-7788

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10

BUILDING STRONG®

James River Richmond Deepwater Terminal to Hopewell

- **Project Depth:**
25'
- **Estimated Quantity:**
125,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
N/A (Task Order 1)
- **Bid Opening Date:**
N/A (Task Order 1)
- **Seasonal Restrictions:**
15 February –
30 June



Project Manager: (757) 201-7788

US Army Corps of Engineers – Norfolk District

11

BUILDING STRONG®

Atlantic Intracoastal Waterway Dismal Swamp Canal

- **Project Depth:**
9' – 10'
- **Estimated Quantity:**
65,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
15 July 2010
- **Bid Opening Date:**
17 August 2010
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7642

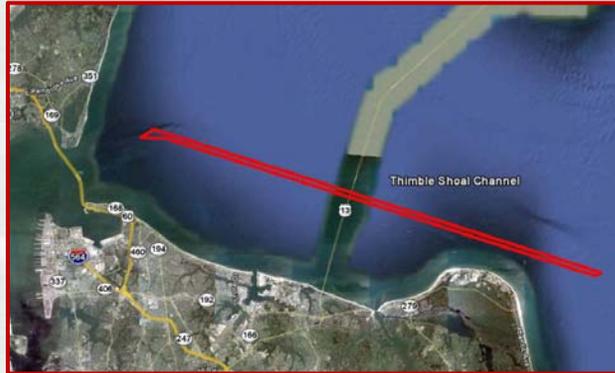
US Army Corps of Engineers – Norfolk District

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BUILDING STRONG®

Norfolk Harbor Thimble Shoal Channel

- **Project Depth:**
50'
- **Estimated Quantity:**
385,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Hopper
- **Advertisement Date:**
6 August 2010
- **Bid Opening Date:**
9 September 2010
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7861

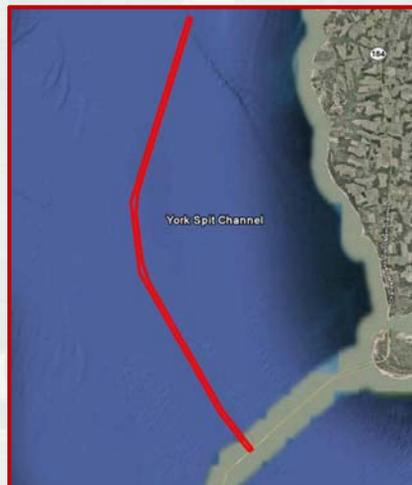
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BUILDING STRONG®

Baltimore Harbor York Spit Channel

- **Project Depth:**
50'
- **Estimated Quantity:**
1,200,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Hopper
- **Advertisement Date:**
6 August 2010
- **Bid Opening Date:**
9 September 2010
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7861

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BUILDING STRONG®

Norfolk Harbor Craney Island Rehandling Basin

- **Project Depth:**
18' – 30'
- **Estimated Quantity:**
1,000,000 cy
- **Material Type:**
Course and
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
27 July 2010
- **Bid Opening Date:**
26 August 2010
- **Seasonal Restrictions:**
None



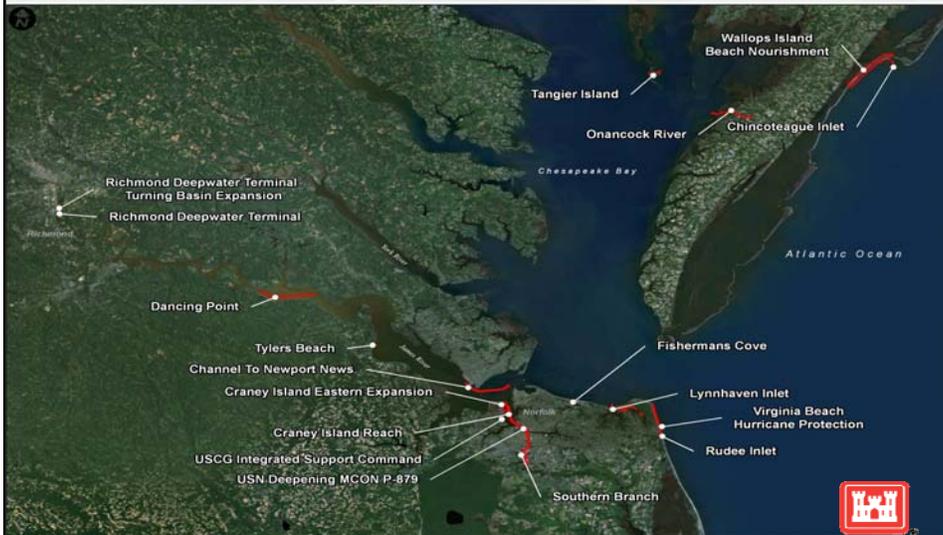
Project Manager: (757) 201-7584

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Norfolk District FY 11 Dredging Projects OVERVIEW



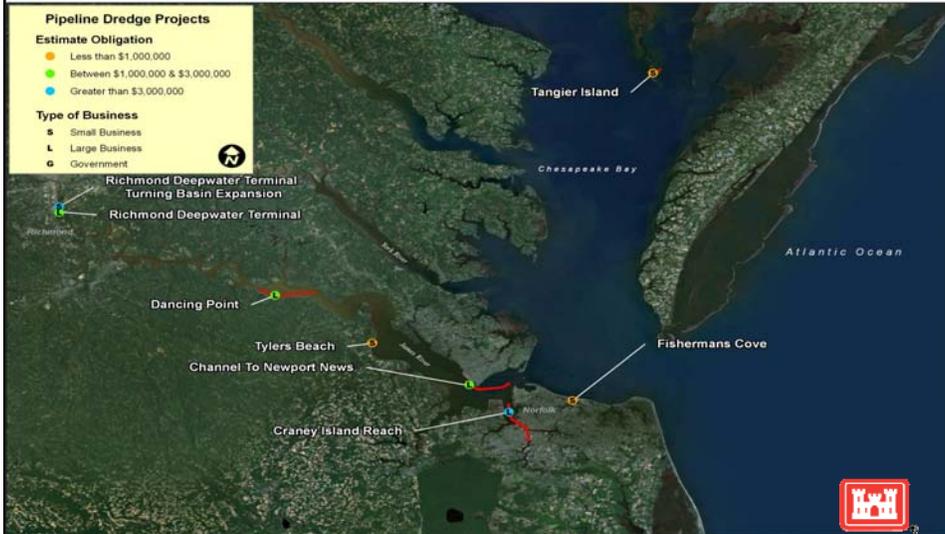
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Norfolk District FY11 Dredging Projects

HYDRAULIC PIPELINE PROJECTS



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Norfolk District FY-11 Dredging Program

SCHEDULE OF PROJECTS

Hydraulic Pipeline Dredge Projects	2010	FY-2011												2012
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Norfolk Harbor, Channel to Newport News														250K
Norfolk Harbor, Craney Island Reach									650K					
Tangier Channel	Crabs						75K						Crabs	
Fisherman's Cove							5K							
James River, Dancing Point-Swann Point									Anadromous Fish				200K	
James River, RDWT									Anadromous Fish					100K
James River, RDWT Turning Basin Expansion									Anadromous Fish				200K	
Tylers Beach									Anadromous Fish					20K

Estimated Cubic Yards

Time-of-Year Restriction

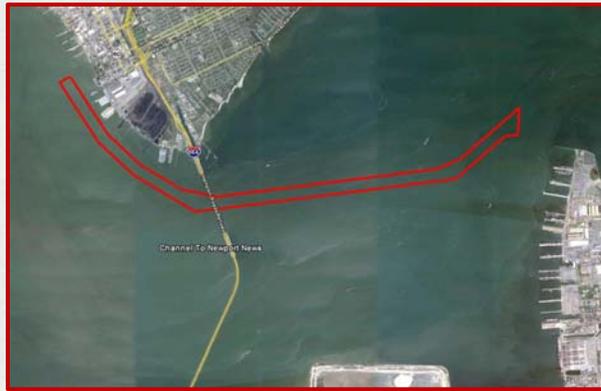


US Army Corps of Engineers – Norfolk District

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Channel to Newport News

- **Project Depth:**
50'
- **Estimated Quantity:**
250,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
30 June 2011
- **Bid Opening Date:**
1 August 2011
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7584

US Army Corps of Engineers – Norfolk District

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BUILDING STRONG®

Craney Island Reach

- **Project Depth:**
50'
- **Estimated Quantity:**
650,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
13 January 2011
- **Bid Opening Date:**
15 February 2011
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7584

US Army Corps of Engineers – Norfolk District

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BUILDING STRONG®

Tangier Channel

- **Project Depth:**
7' – 8'
- **Estimated Quantity:**
75,000 cy
- **Material Type:**
Fine and Course-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
29 December 2010
- **Bid Opening Date:**
4 February 2010
- **Seasonal Restrictions:**
1 May –
30 September



Project Manager: (757) 201-7616

US Army Corps of Engineers – Norfolk District

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BUILDING STRONG®

Fisherman's Cove

- **Project Depth:**
6'
- **Estimated Quantity:**
5,000 cy
- **Material Type:**
Coarse and Fine-grained,
New Work
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
20 December 2010
- **Bid Opening Date:**
31 January 2011
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7616

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BUILDING STRONG®

James River Dancing Point – Swann Point Shoal

- **Project Depth:**
25'
- **Estimated Quantity:**
200,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
N/A (Task Order)
- **Bid Opening Date:**
N/A (Task Order)
- **Seasonal Restrictions:**
15 February –
30 June



Project Manager: (757) 201-7788

US Army Corps of Engineers – Norfolk District

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BUILDING STRONG®



James River Richmond Deepwater Terminal

- **Project Depth:**
25'
- **Estimated Quantity:**
100,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
N/A (Task Order)
- **Bid Opening Date:**
N/A (Task Order)
- **Seasonal Restrictions:**
15 February –
30 June



Project Manager: (757) 201-7788

US Army Corps of Engineers – Norfolk District

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BUILDING STRONG®



James River Richmond Deepwater Terminal Turning Basin Expansion

- **Project Depth:**
25'
- **Estimated Quantity:**
200,000 cy
- **Material Type:**
Fine-grained,
New Work
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
17 May 2011
- **Bid Opening Date:**
16 June 2011
- **Seasonal Restrictions:**
15 February –
30 June



Project Manager: (757) 201-7779

US Army Corps of Engineers – Norfolk District

25

BUILDING STRONG®

Tylers Beach

- **Project Depth:**
6'
- **Estimated Quantity:**
25,000 cy
- **Material Type:**
Coarse & Fine-
grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
5 August 2011
- **Bid Opening Date:**
6 September 2011
- **Seasonal Restrictions:**
15 February –
15 June



Project Manager: (757) 201-7861

US Army Corps of Engineers – Norfolk District

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Norfolk District FY11 Dredging Projects HOPPER PROJECT



Norfolk District FY-11 Dredging Program SCHEDULE OF PROJECTS



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Virginia Beach Hurricane Protection

- **Project Depth:**
N/A'
- **Estimated Quantity:**
1,500,000 cy
- **Material Type:**
Coarse-grained,
New Work
- **Dredge Type:**
Hopper
- **Advertisement Date:**
16 July 2011
- **Bid Opening Date:**
16 August 2011
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7768

US Army Corps of Engineers – Norfolk District

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BUILDING STRONG®

Wallops Island Beach Nourishment

- **Project Depth:**
N/A
- **Estimated Quantity:**
3,000,000 cy
- **Material Type:**
Coarse-grained,
New Work
- **Dredge Type:**
Hopper
- **Advertisement Date:**
15 July 2011
- **Bid Opening Date:**
1 September 2011
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7181

US Army Corps of Engineers – Norfolk District

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BUILDING STRONG®

Craney Island Eastward Expansion

- **Project Depth:**
TBD
- **Estimated Quantity:**
1,200,000 cy
- **Material Type:**
Course-grained,
New Work
- **Dredge Type:**
Hopper
- **Advertisement Date:**
22 August 2010
- **Bid Opening Date:**
22 September 2010
- **Seasonal Restrictions:**
1 April –
30 November



Project Manager: (757) 201-3538

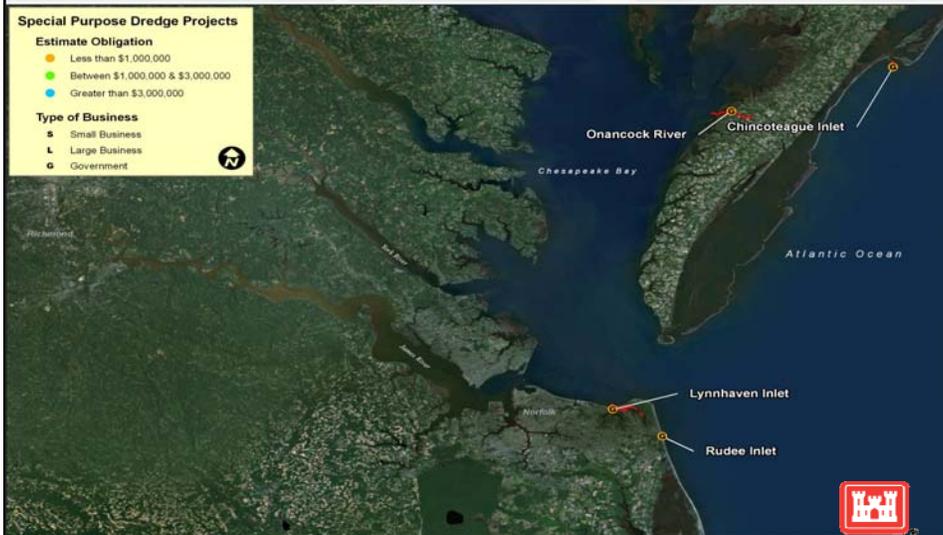
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Norfolk District FY11 Dredging Projects *SPECIAL PURPOSE PROJECTS*

- Special Purpose Dredge Projects**
- Estimate Obligation**
- Less than \$1,000,000
 - Between \$1,000,000 & \$3,000,000
 - Greater than \$3,000,000
- Type of Business**
- Small Business
 - Large Business
 - Government



US Army Corps of Engineers – Norfolk District

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Norfolk District FY-11 Dredging Program SCHEDULE OF PROJECTS

Special Purpose Dredge Currituck	2010	FY-2011												2012
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Chincoteague Inlet								50K						
Lynnhaven Inlet		30K					30K	Juvenile Flounder						
Onancock River					30K									
Rudee Inlet				20K			20K						20K	

Estimated Cubic Yards

Time-of-Year Restriction



US Army Corps of Engineers – Norfolk District

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Chincoteague Inlet

- **Project Depth:**
12'
- **Estimated Quantity:**
50,000 cy
- **Material Type:**
Course-grained,
Maintenance
- **Dredge Type:**
Special Purpose
- **Advertisement Date:**
N/A
- **Bid Opening Date:**
N/A
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7616

US Army Corps of Engineers – Norfolk District

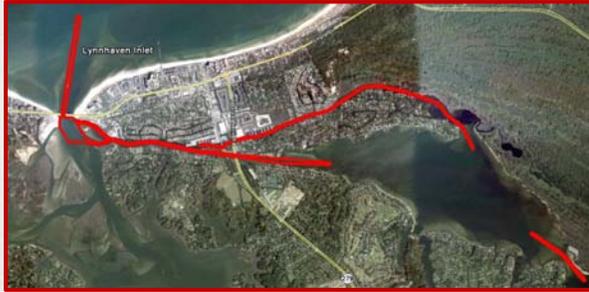
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Lynnhaven Inlet

- **Project Depth:**
10'
- **Estimated Quantity:**
60,000 cy
- **Material Type:**
Course-grained,
Maintenance
- **Dredge Type:**
Special Purpose
- **Advertisement Date:**
N/A
- **Bid Opening Date:**
N/A
- **Seasonal Restrictions:**
1 April – 30 June



Project Manager: (757) 201-7257

US Army Corps of Engineers – Norfolk District

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BUILDING STRONG®

Onancock River

- **Project Depth:**
12'
- **Estimated Quantity:**
30,000 cy
- **Material Type:**
Course-grained,
Maintenance
- **Dredge Type:**
Special Purpose
- **Advertisement Date:**
N/A
- **Bid Opening Date:**
N/A
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7861

US Army Corps of Engineers – Norfolk District

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BUILDING STRONG®

Rudee Inlet

- **Project Depth:**
7' – 18'
- **Estimated Quantity:**
60,000 cy
- **Material Type:**
Course-grained,
Maintenance
- **Dredge Type:**
Special Purpose
- **Advertisement Date:**
N/A
- **Bid Opening Date:**
N/A
- **Seasonal Restrictions:**
None

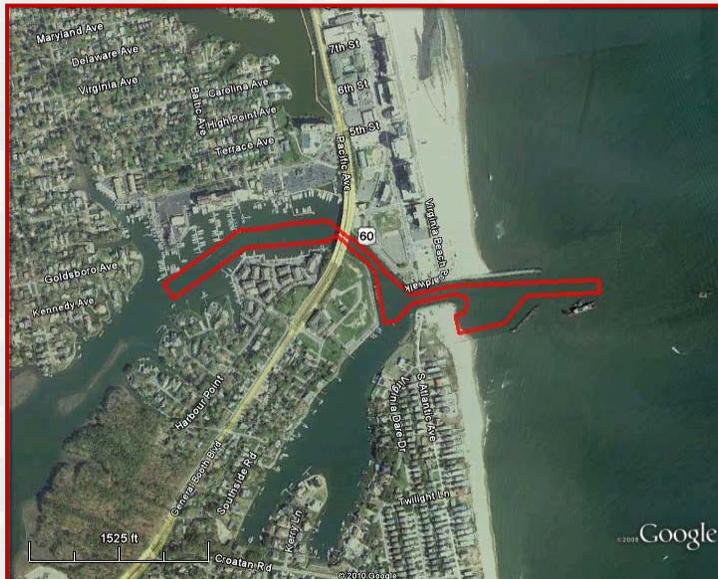


Project Manager: (757) 201-7257

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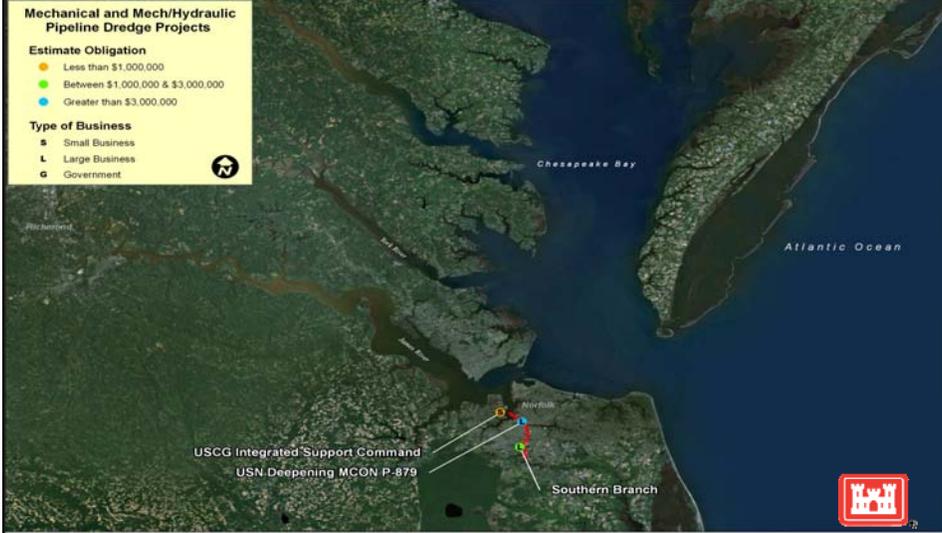


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Norfolk District FY11 Dredging Projects MECHANICAL PROJECTS



US Army Corps of Engineers – Norfolk District

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Norfolk District FY-11 Dredging Program SCHEDULE OF PROJECTS



Estimated Cubic Yards

Time-of-Year Restriction

US Army Corps of Engineers – Norfolk District

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Norfolk Harbor Southern Branch

- **Project Depth:**
35' - 40'
- **Estimated Quantity:**
300,000 cy
- **Material Type:**
Course and
Fine-grained,
Maintenance
- **Dredge Type:**
Mechanical
- **Advertisement Date:**
15 December 2010
- **Bid Opening Date:**
15 January 2011
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7584

US Army Corps of Engineers – Norfolk District

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US Coast Guard Integrated Support Command Portsmouth

- **Project Depth:**
7' - 11'
- **Estimated Quantity:**
6,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Mechanical
- **Advertisement Date:**
17 January 2011
- **Bid Opening Date:**
16 February 2011
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7616

US Army Corps of Engineers – Norfolk District

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BUILDING STRONG®

US Navy Deepening

- **Project Depth:**
47' - 50'
- **Estimated Quantity:**
3,000,000 cy
- **Material Type:**
Fine- and Course-grained,
New Work
- **Dredge Type:**
Pipeline and
Mechanical
- **Advertisement Date:**
16 November 2010
- **Bid Opening Date:**
19 January 2011
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7385



US Army Corps of Engineers – Norfolk District

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Questions/Comments?

Contact Information:
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Operations Branch

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