

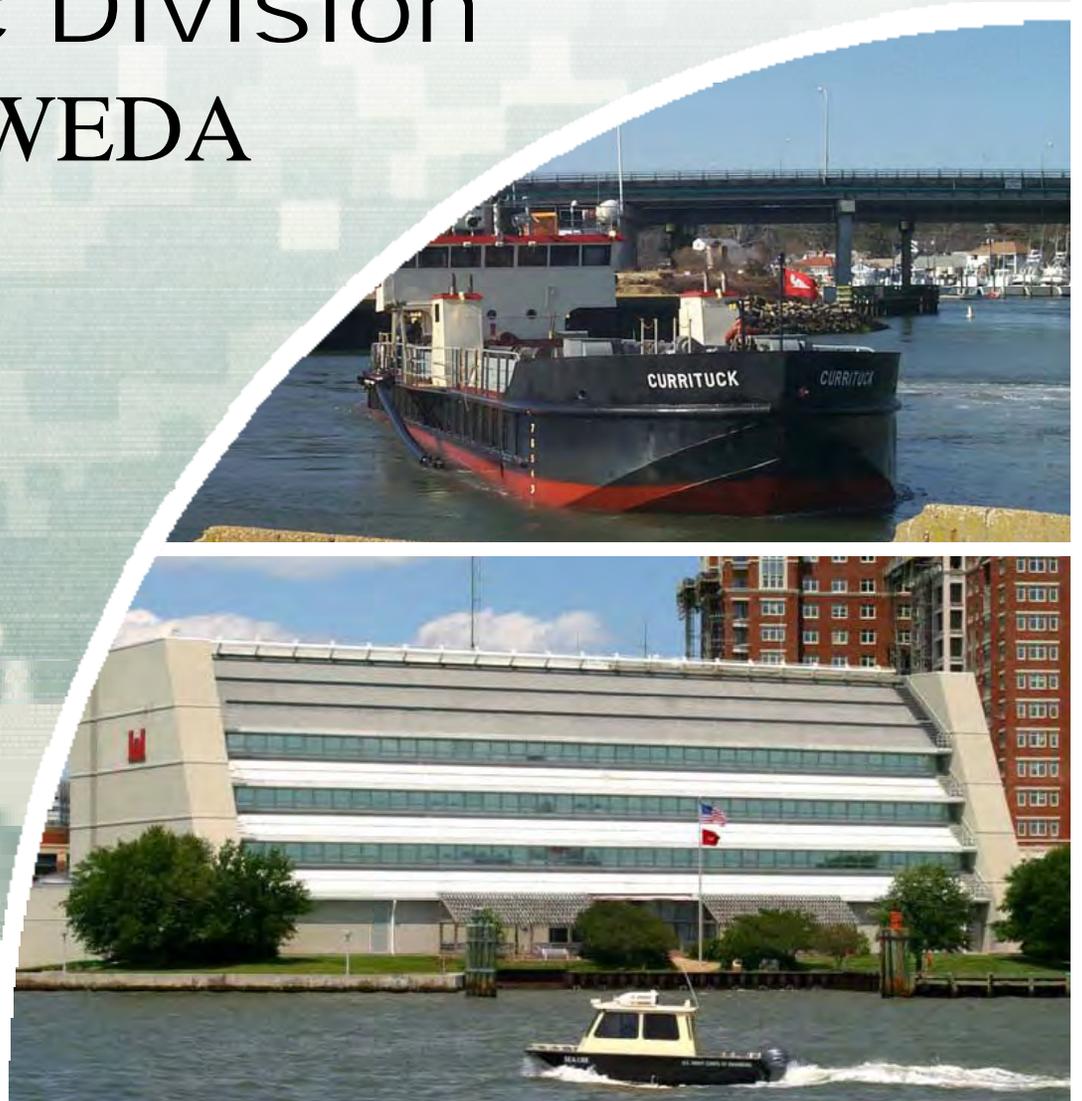
Norfolk District North Atlantic Division Eastern Chapter of WEDA Fall Conference

October 10, 2012

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



US Army Corps of Engineers
BUILDING STRONG®



- **5-Year Dredging Schedule (By dredge type)**

- Hydraulic Pipeline
- Hydraulic Pipeline Shallow Draft
- Hopper
- Mechanical
- Special Purpose

- **FY 13 Dredging Projects (By dredge type)**

- Hydraulic Pipeline
- Hopper
- Mechanical
- Special Purpose



5-Year Dredging Schedule

Hydraulic Pipeline Dredge Projects			FY-2013				FY-2014				FY-2015				FY-2016				FY-2017					
	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, Channel to Newport News	250K	Craney Island		■																			■	
Norfolk Harbor, Craney Island Reach	650K	Craney Island	■					■					■					■						■
Norfolk Harbor, Craney Island ReHandling Basin	1000K	Craney Island Upland		■					■					■									■	
James River IDIQ	500K	Overboard and Upland	■			■				■				■					■					■
Tangier Channel	75K	Beach Nourishment																	■					
Tyler's Beach	20K	Upland					■																	
Chincoteague Channel	50K	Overboard												■										
Chincoteague Harbor of Refuge	10K	Upland												■										
AIWW Dismal Swamp Canal, Feeder Ditch	65K	Upland												■										
Skiffes Creek	500K	Upland							■															
WCV (Wachapreague)	50K	Overboard				■																		

■ = Navigation O&M Deep Draft

■ = Navigation O&M Shallow Draft



5-Year Dredging Schedule

Hydraulic Pipeline Dredge Projects			FY-2013				FY-2014				FY-2015				FY-2016				FY-2017				
	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	
<i>Rudee Inlet*</i>	60K	Beach Nourishment																					
<i>Lynnhaven Inlet*</i>	100K	Beach Nourishment																					
<i>Broad Creek</i>	40K	Upland																					
<i>Cape Charles City Harbor</i>	100K	Upland and Beach Nourishment																					
<i>Chincoteague Bay, Greenbackville</i>	20K	Upland																					
<i>Horn Harbor</i>	20K	Beach Nourishment																					
<i>Hoskins Creek</i>	65K	Upland																					
<i>Onancock River*</i>	125K	Overboard and Upland																					
<i>Oyster Channel</i>	30K	Upland																					
<i>Queens Creek</i>	30K	Beach Nourishment																					
<i>Quinby Creek</i>	70K	Overboard																					

These projects are not funded in FY13; however, they have very active local sponsors.



* Also Dredged by USACE Dredge Plant

5-Year Dredging Schedule

Hopper Dredge Projects			FY-2013				FY-2014				FY-2015				FY-2016				FY-2017				
	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	Wolftrap Overboard												■									
Chincoteague Inlet	100K	Overboard									■											■	
Craney Island Eastward Expansion	1200K	Overboard		■																			
Virginia Beach Hurricane Protection	1250K	Beach Nourishment		■																			
Sandbridge Beach Re-Nourishment	2000K	Beach Nourishment		■																			

 = Navigation O&M Deep Draft

 = Placement Area Construction

 = Navigation O&M Shallow Draft

 = Beach Nourishment or Re-Nourishment



5-Year Dredging Schedule

Mechanical Dredge Projects			FY-2013				FY-2014				FY-2015				FY-2016				FY-2017				
	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	Craney Island																					
Appomattox River	400K	Upland																					
Bennett Creek	25K	Craney Island																					
Pagan River	50K	Craney Island																					
NOAA MOC - Atlantic	130K	Craney Island																					



5-Year Dredging Schedule

Special Purpose Corps Dredges Currituck and Murden			FY-2013				FY-2014				FY-2015				FY-2016				FY-2017			
	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	■	■		■	■	■		■	■		■	■		■	■		■	■		■
Bennett Creek	10K	Craney Island																				■
Pagan River	10K	Craney island																				
Onancock River	30K	Overboard																				
Tangier Channel	15K	Overboard			■																	



Norfolk District FY-13 Dredging Projects



Norfolk District FY-13 Dredging Program

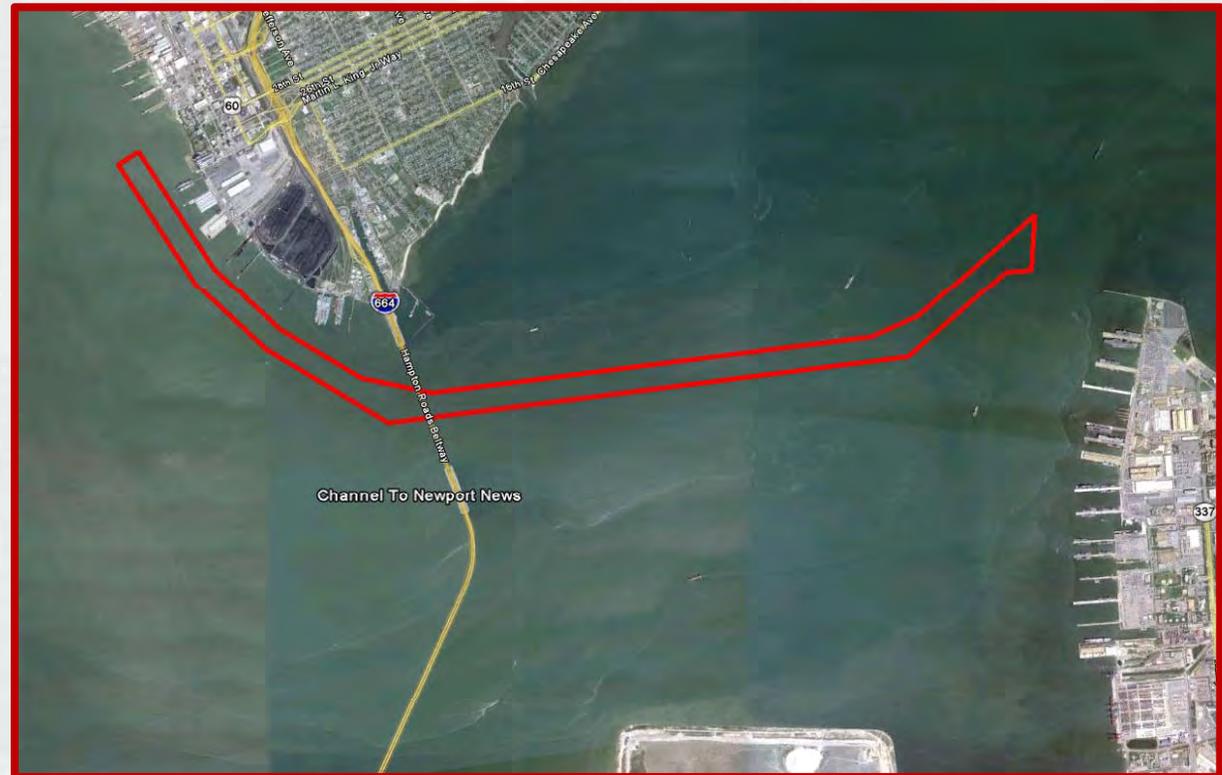
SCHEDULE OF PROJECTS

Time-of-Year Restriction

Hydraulic Pipeline Dredge Projects	2012		FY-2013										2014	
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Norfolk Harbor, Channel to Newport News			170K											
Norfolk Harbor Reach & Craney Island Reach				360K										
Norfolk Harbor, Craney Island Re-Handling Basin					1,000K									
James River, Dancing Point-Swann Point	250K						Anadromous Fish						250K	
James River, Tribell Shoal					100K		Anadromous Fish							
James River, Jordan Point –Windmill Point				135K			Anadromous Fish							
James River, Goose Hill							Anadromous Fish						150K	
James River, Richmond Deepwater Terminal							Anadromous Fish							150K
Tyler's Beach							Anadromous Fish							25K
Skiffes Creek							Anadromous Fish							500K
WCV (Wachapreague)							50K							

Channel to Newport News

- **Project Depth:**
50'
- **Estimated Quantity:**
170,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Award Date:**
30 September 2012
- **Seasonal Restrictions:**
None

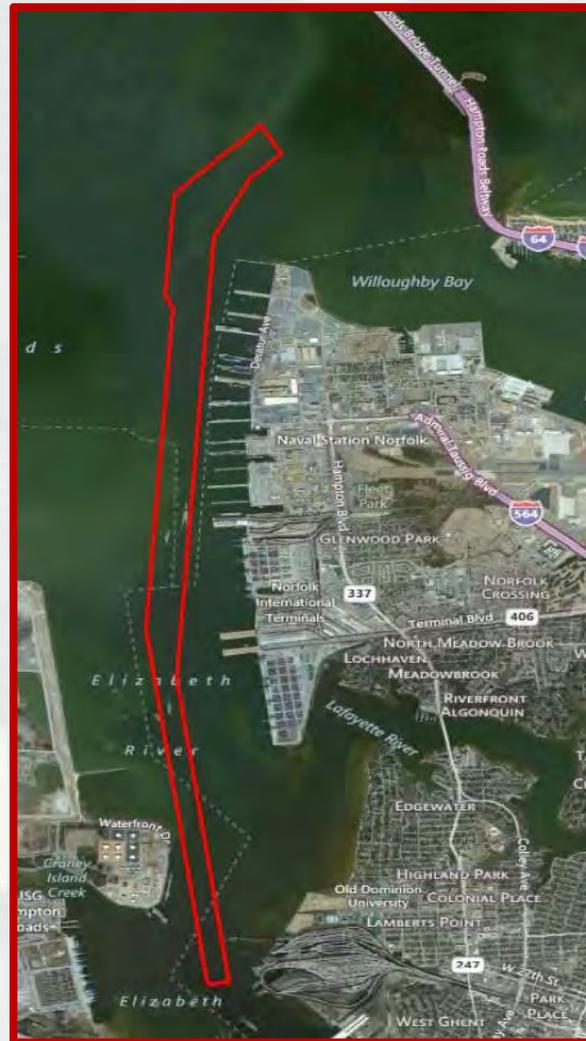


Project Manager: (757) 201-7788



Norfolk Harbor and Craney Island Reach

- **Project Depth:**
50'
- **Estimated Quantity:**
360,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Award Date:**
30 September 2012
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7788

Norfolk Harbor Craney Island Rehandling Basin

- **Project Depth:**
18' to 30'
- **Estimated Quantity:**
1,000,000 cy
- **Material Type:**
Course and
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
2 November 2012
- **Bid Opening Date:**
4 December 2012
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7584

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 3)
- **Bid Opening Date:**
N/A (Task Order 3)
- **Seasonal Restrictions:**
15 February –
30 June



Project Manager: (757) 201-7715

James River

Jordan Point – Windmill Point

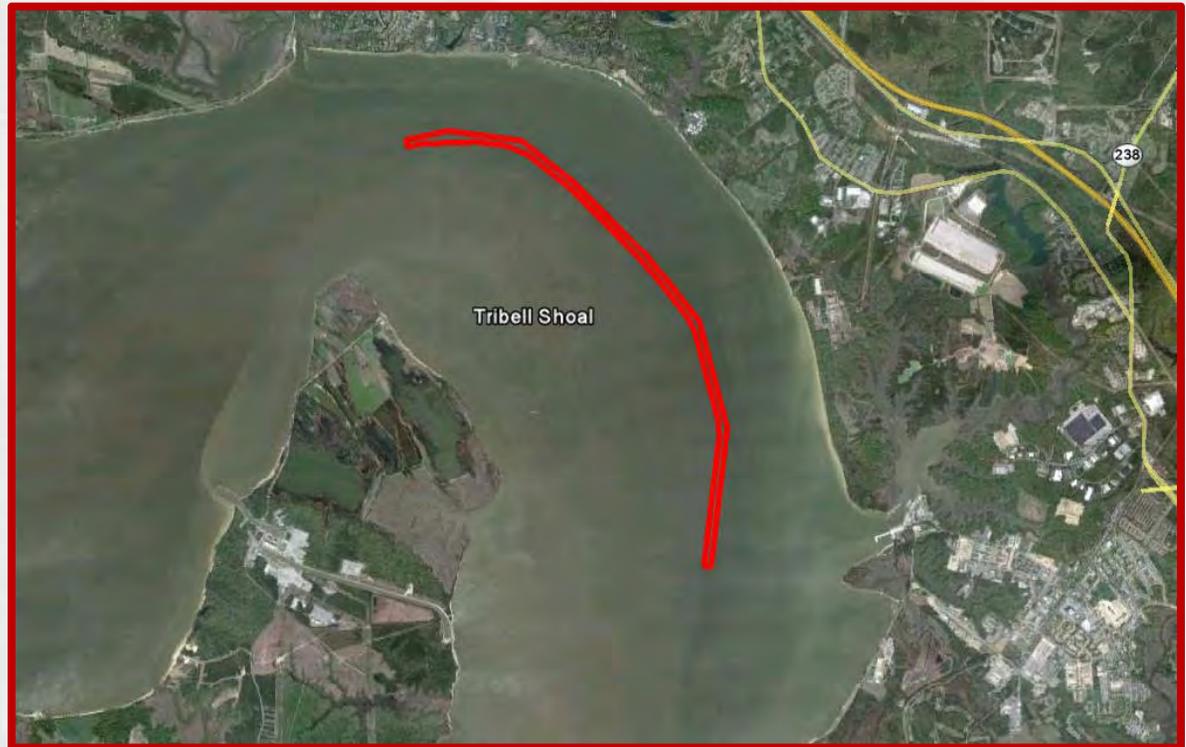
- **Project Depth:**
25'
- **Estimated Quantity:**
135,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
N/A (Task Order 3)
- **Bid Opening Date:**
N/A (Task Order 3)
- **Seasonal Restrictions:**
15 February –
30 June



Project Manager: (757) 201-7715

James River Tribell Shoal Channel

- **Project Depth:**
25'
- **Estimated Quantity:**
100,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
N/A (Task Order 3)
- **Bid Opening Date:**
N/A (Task Order 3)
- **Seasonal Restrictions:**
15 February –
15 June



Project Manager: (757) 201-7715

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:**
16 April 2013
- **Bid Opening Date:**
18 May 2013
- **Seasonal Restrictions:**
15 February –
30 June



Project Manager: (757) 201-7715

James River Goose Hill Shoal

- **Project Depth:**
25'
- **Estimated Quantity:**
150,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
16 April 2013
- **Bid Opening Date:**
18 May 2013
- **Seasonal Restrictions:**
15 February –
30 June



Project Manager: (757) 201-7715

James River Richmond Deepwater Terminal

- **Project Depth:**
25'
- **Estimated Quantity:**
160,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
16 April 2013
- **Bid Opening Date:**
18 May 2013
- **Seasonal Restrictions:**
15 February –
30 June



Project Manager: (757) 201-7715

WCV - Wachapreague

- **Project Depth:**
6'
- **Estimated Quantity:**
50,000 cy
- **Material Type:**
Coarse & Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
3 January 2013
- **Bid Opening Date:**
5 February 2013
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7041

Tylers Beach

- **Project Depth:**
6'
- **Estimated Quantity:**
25,000 cy
- **Material Type:**
Coarse & Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
5 August 2013
- **Bid Opening Date:**
6 September 2013
- **Seasonal Restrictions:**
15 February –
15 June



Project Manager: (757) 201-7861

Skiffes Creek

- **Project Depth:**
11' to 20'
- **Estimated Quantity:**
500,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Pipeline
- **Advertisement Date:**
11 June 2013
- **Bid Opening Date:**
11 July 2013
- **Seasonal Restrictions:**
15 February –
15 June



Project Manager: (757) 201-7041

Norfolk District FY-13 Dredging Program

SCHEDULE OF PROJECTS

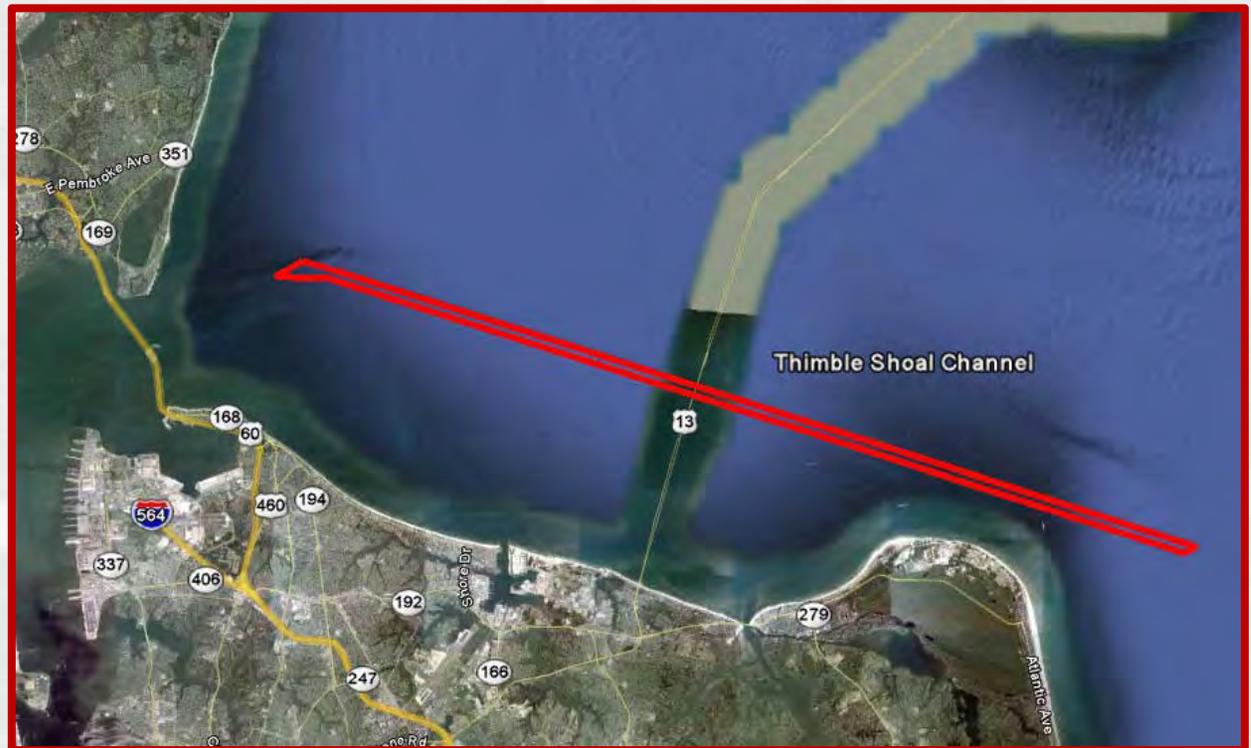
Hopper Dredge Projects	2012	FY-2013												2014
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Thimble Shoal Channel							350K							
Virginia Beach Hurricane Protection						1,250K								
Sandbridge Beach Nourishment						2,000K								
Craney Island Eastward Expansion						1200K								

Time-of-Year Restriction



Thimble Shoal Channel

- **Project Depth:**
50'
- **Estimated Quantity:**
350,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Hopper
- **Advertisement Date:**
4 December 2012
- **Bid Opening Date:**
3 January 2013
- **Seasonal Restrictions:**
None

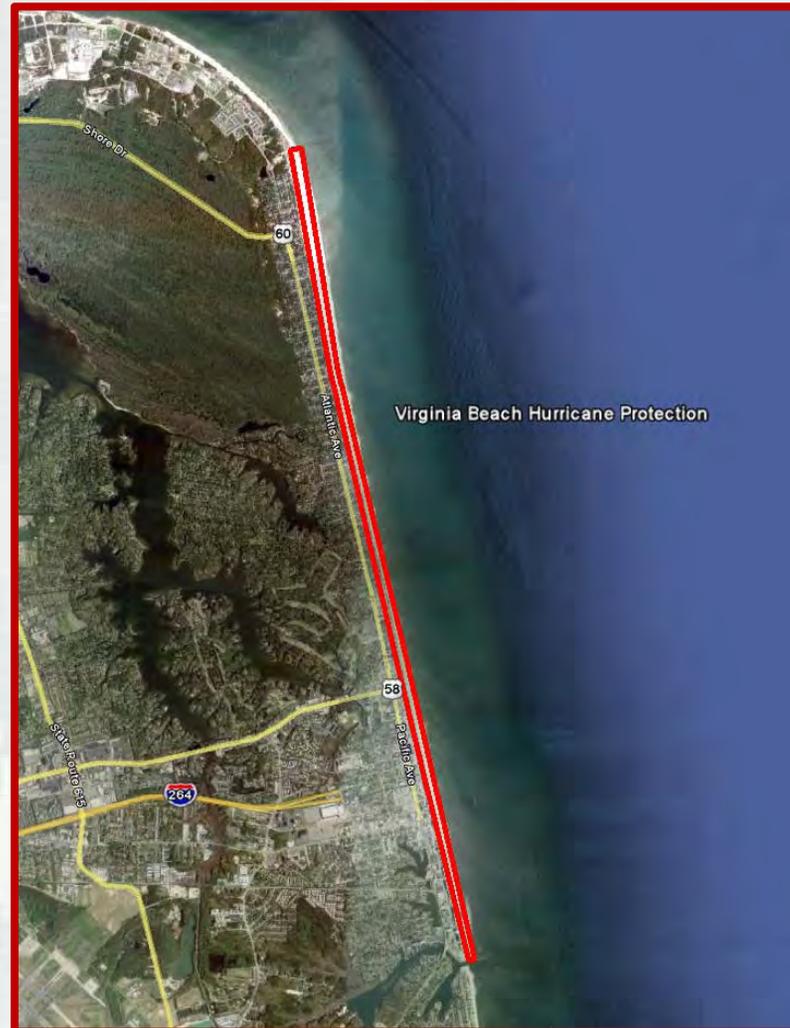


Project Manager: (757) 201-7788



Virginia Beach Hurricane Protection

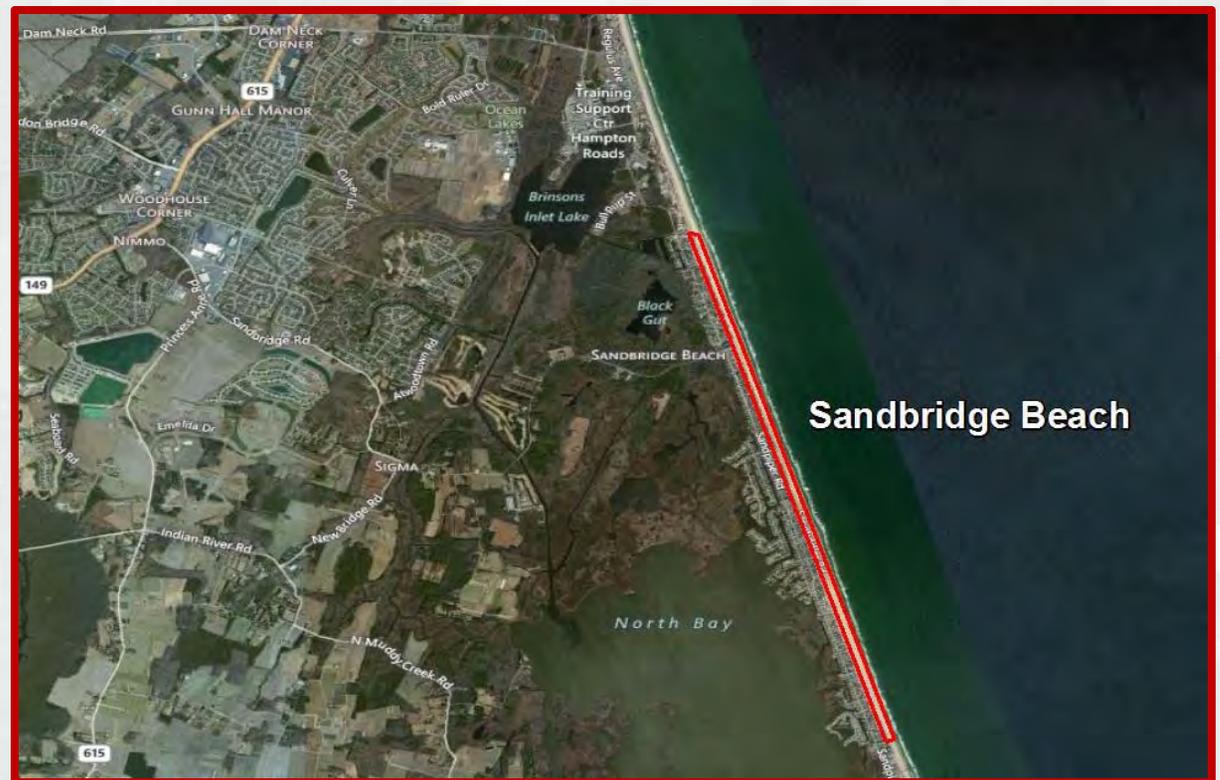
- **Project Depth:**
N/A'
- **Estimated Quantity:**
1,250,000 cy
- **Material Type:**
Coarse-grained,
New Work
- **Dredge Type:**
Hopper
- **Award Date:**
27 August 2012
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7704

Sandbridge Beach Nourishment

- **Project Depth:**
N/A'
- **Estimated Quantity:**
2,000,000 cy
- **Material Type:**
Coarse-grained,
New Work
- **Dredge Type:**
Hopper
- **Advertisement Date:**
25 August 2012
- **Bid Opening Date:**
24 September 2012
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7704



Craney Island Eastward Expansion

- **Project Depth:**
TBD
- **Estimated Quantity:**
1,400,000 cy
- **Material Type:**
Course-grained,
New Work
- **Dredge Type:**
Hopper
- **Award Date:**
8 August 2012
- **Seasonal Restrictions:**
1 April –
30 November



Project Manager: (757) 201-7584

Norfolk District FY-13 Dredging Program

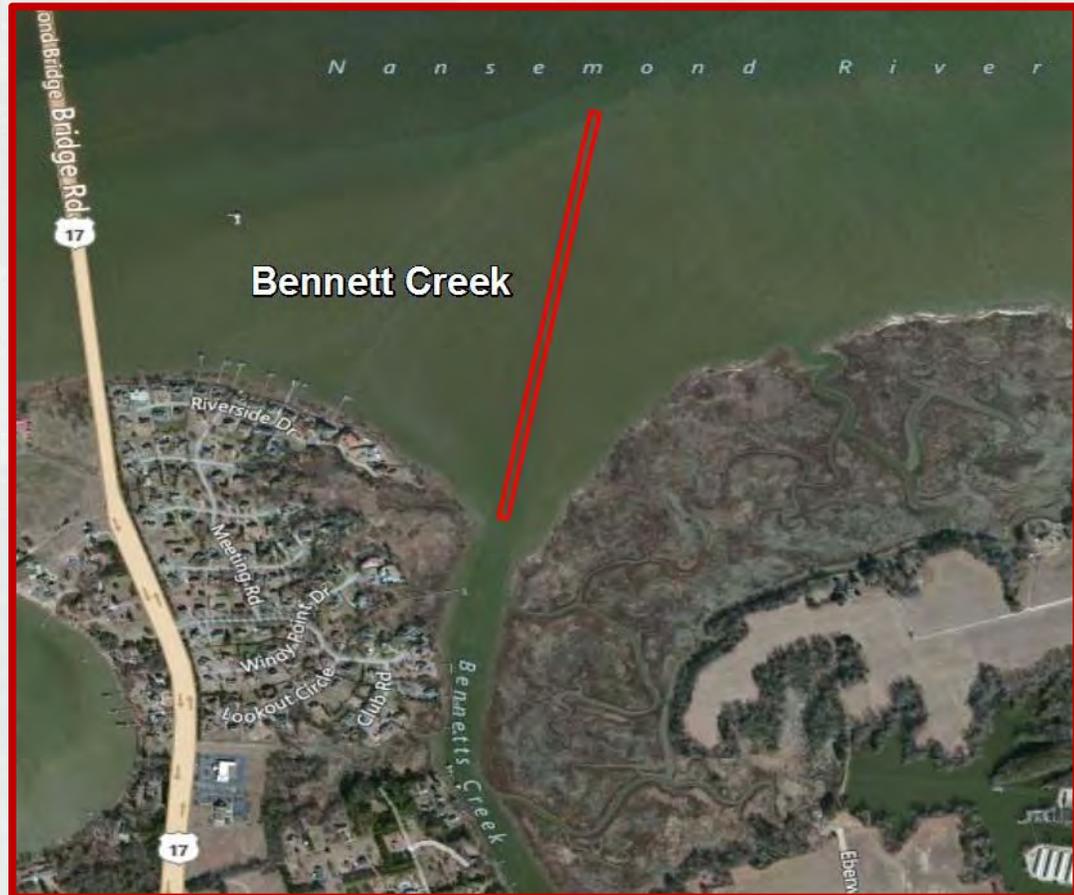
SCHEDULE OF PROJECTS

Mechanical Dredge Projects	2012	FY-2013												2014
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Bennett Creek								26K						
NOAA MOC - Atlantic													130K	



Bennett Creek

- **Project Depth:**
6'
- **Estimated Quantity:**
26,000 cy
- **Material Type:**
Fine-grained,
Maintenance
- **Dredge Type:**
Mechanical
- **Advertisement Date:**
25 January 2013
- **Bid Opening Date:**
26 February 2013
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7063

NOAA MOC - Atlantic

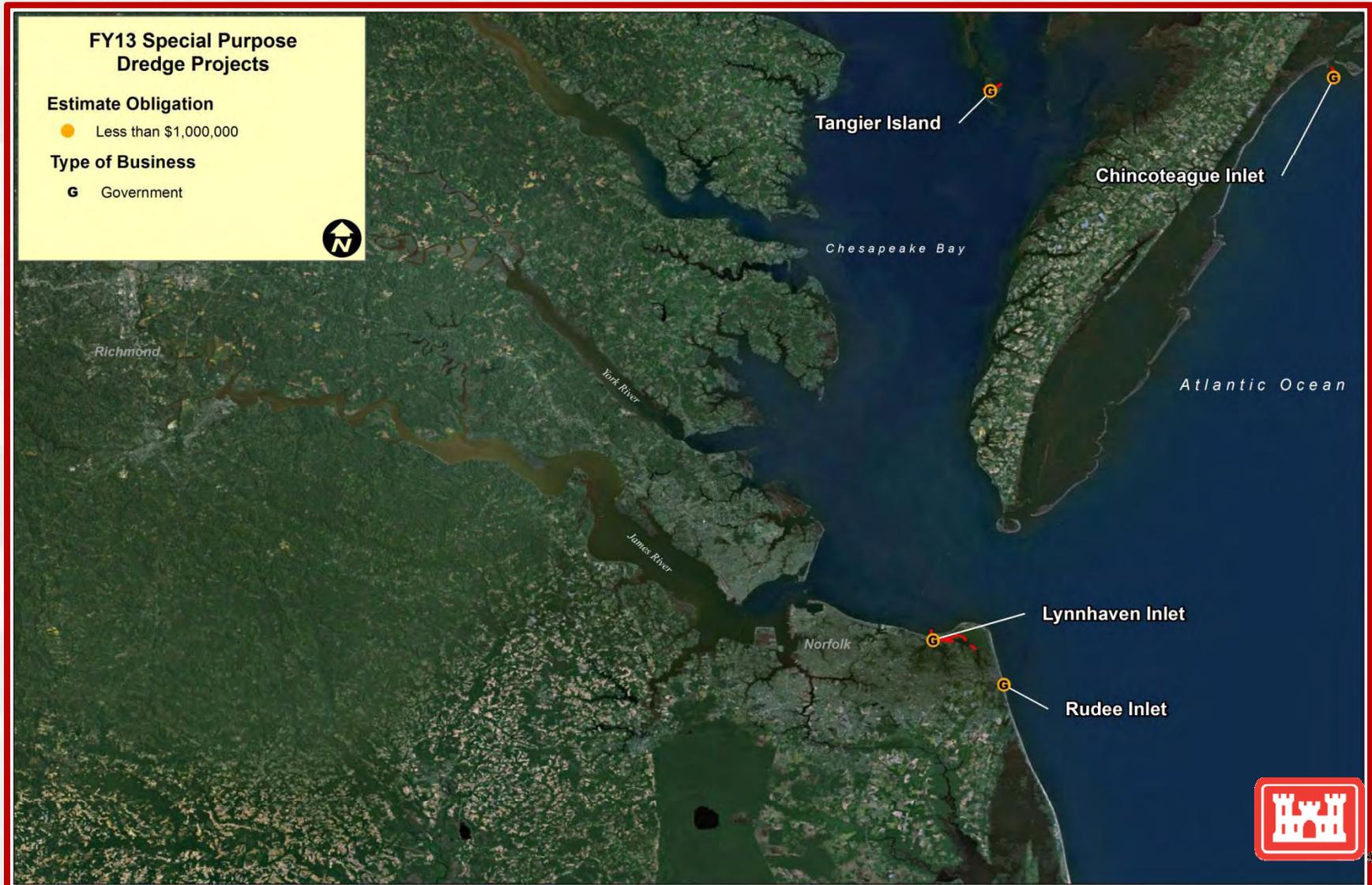
- **Project Depth:**
25'
- **Estimated Quantity:**
130,000 cy
- **Material Type:**
Fine-grained,
Maintenance and
New Work
- **Dredge Type:**
Mechanical
- **Advertisement Date:**
11 June 2013
- **Bid Opening Date:**
11 July 2013
- **Seasonal Restrictions:**
None



Project Manager: (757) 201-7323

Norfolk District FY13 Dredging Projects

SPECIAL PURPOSE PROJECTS



Norfolk District FY-13 Dredging Program

SCHEDULE OF PROJECTS

Special Purpose Dredge Currituck and Murden	2012	FY-2013												2014
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Chincoteague Inlet	50K			50K		50K							50K	
Lynnhaven Inlet	30K				30K		Summer Flounder				30K			
Onancock River														
Rudee Inlet		20K				20K								
Tangier Channel							15K	Crabs						

Time-of-Year Restriction



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

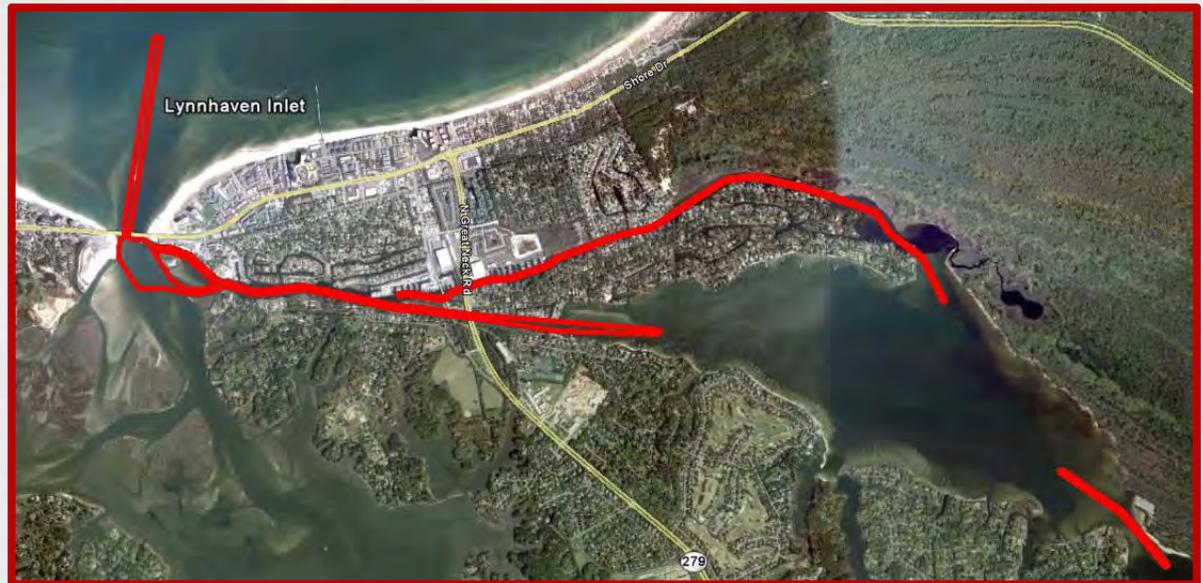


Project Manager: (757) 201-7257



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



Tangier Channel

- **Project Depth:**
7' to 8'
- **Estimated Quantity:**
15,000 cy
- **Material Type:**
Course-grained,
Maintenance
- **Dredge Type:**
Special Purpose
- **Advertisement Date:**
N/A
- **Bid Opening Date:**
N/A
- **Seasonal Restrictions:**
1 May – 30 September



Project Manager: (757) 201-7063



Rudee Inlet

- **Project Depth:**
7' to 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

Questions/Comments?

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Operations Branch

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PHONE: 757-201-7584