

# FY16 RSM IPR

## Norfolk District, James River Federal Nav Channel O&M RSM, Doug Stamper NAO RSM POC

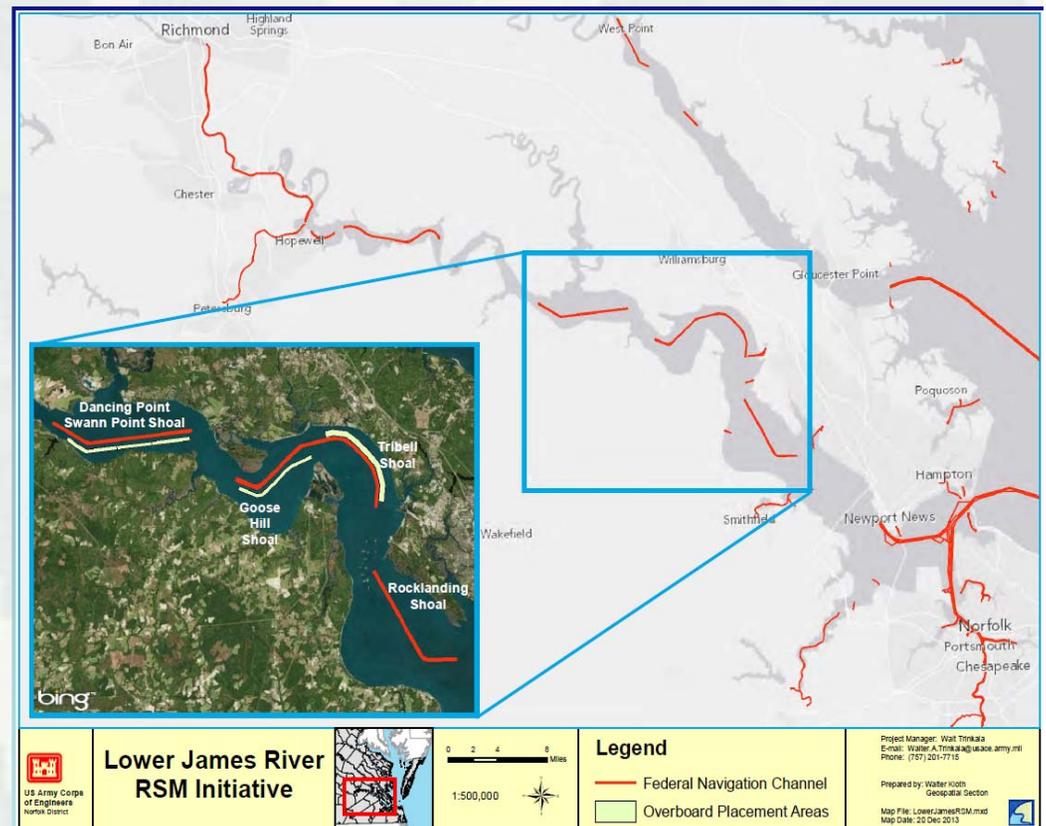
**BLUF:** The Dancing Point Swann Point segment of the James River is a rapidly shoaling segment. Over 60% of the quantity dredged from the channel comes from this segment. This RSM effort models dredging placement cycles to determine the near, medium, and long term fate of the dredged material placed into the the overboard placement site.

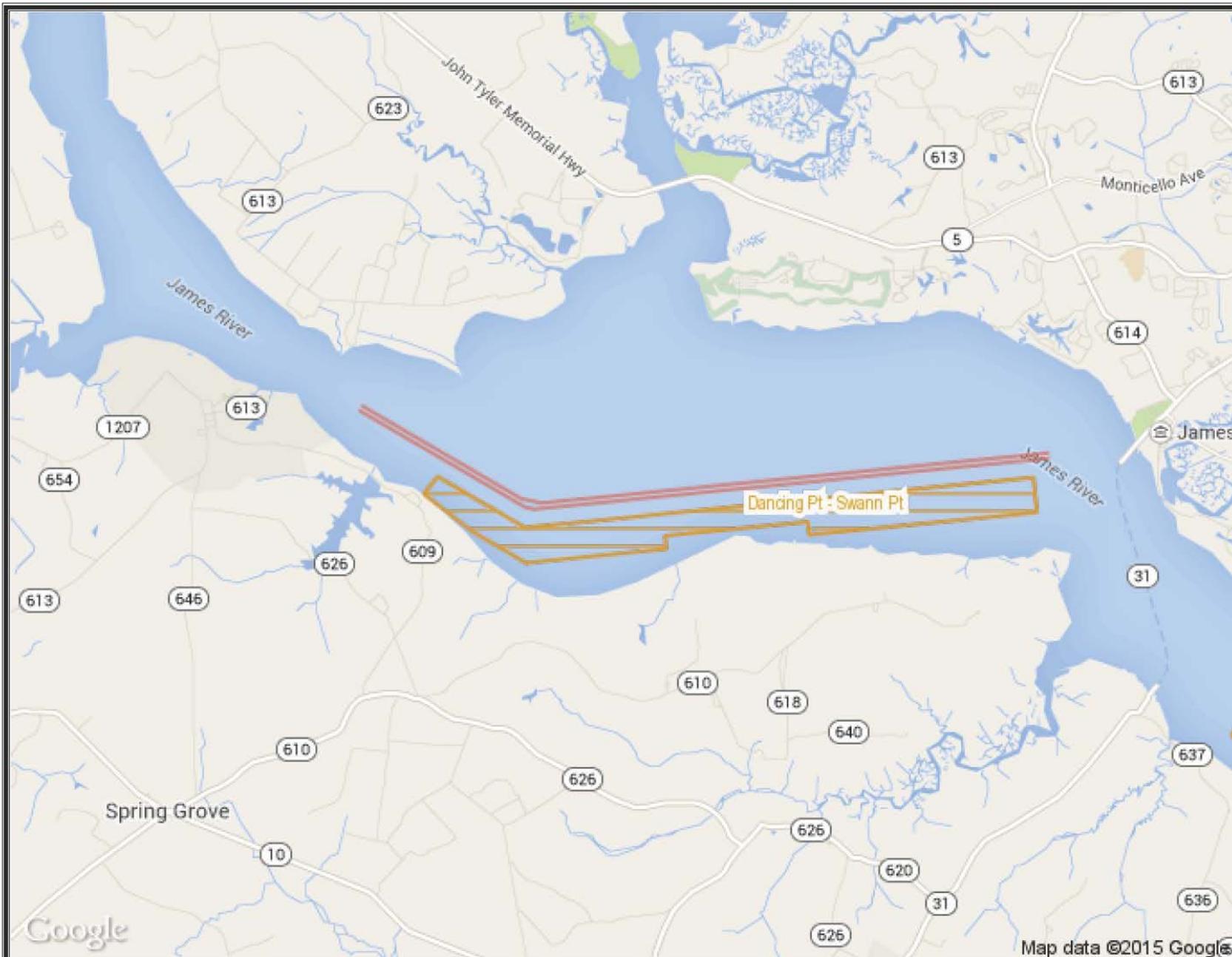
### Description/Challenges

- James River Partnership - concern about potential increase in shoaling
- Problem real or perceived?
- Virginia Marine Resource Commission permit has condition to model fate of dredged material
- Future maintenance cycles could be at risk

### Objectives

- Satisfy condition of VMRC permit
- Renew VMRC permit
- Continue maintaining James River channel





Channel Framework  
 / Federal Navigation Projects  
 / Boundary or Other  
 / Placement Cell  
 Placement Area  
 Placement Areas

**James River RSM FY15 Emphasis Area**

Dancing Point Swann Point  
 Dredged Channel Alignment  
 and  
 Overboard Placement Site



Date Printed: 03.12.2015

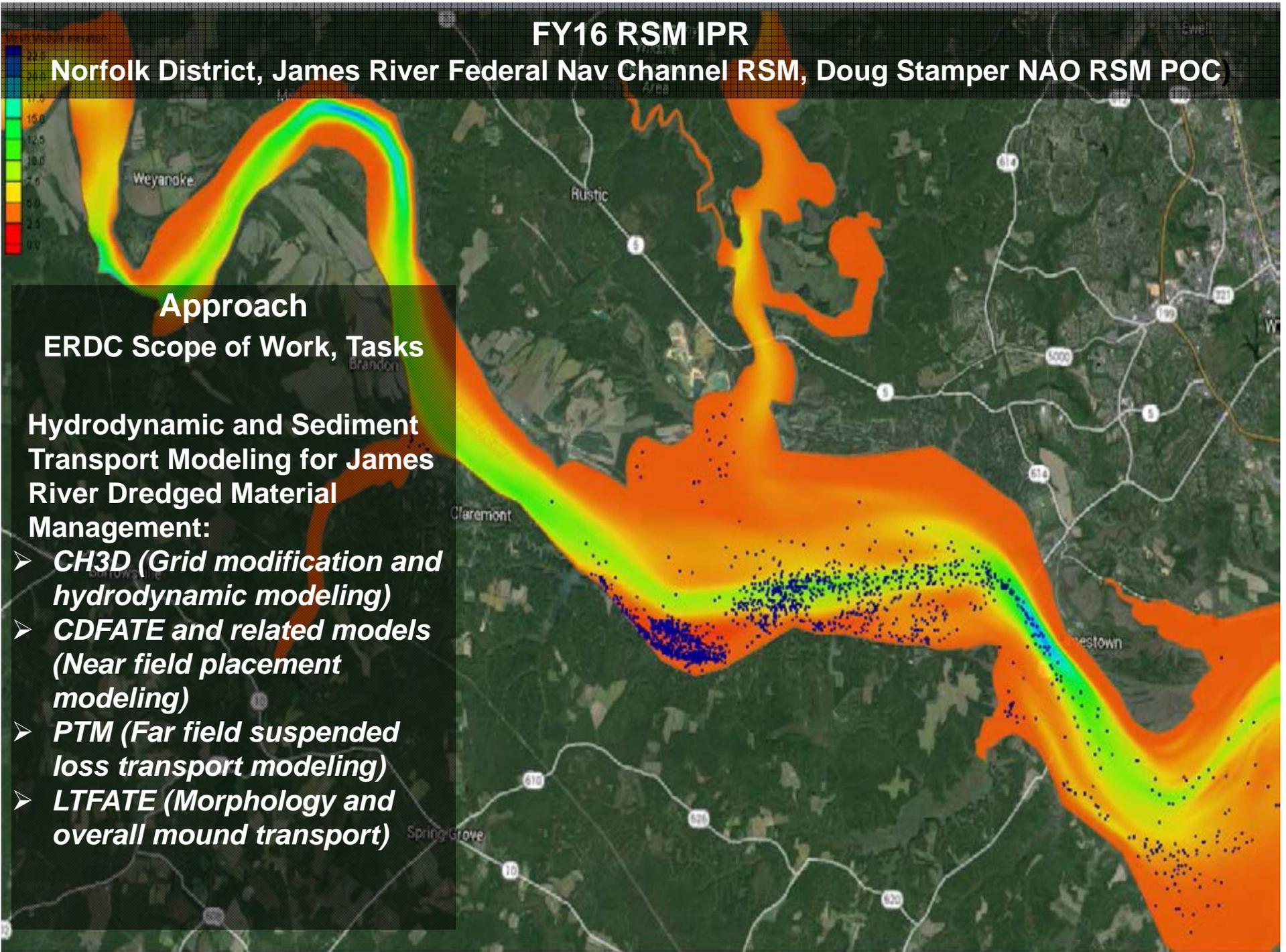
Map Scale: 1:108336



Developed By: Geospatial Section  
 USACE Norfolk District  
 Via Corps Map:  
<https://corpsmap.usace.army.mil/vao>  
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## Deliverables

Product or Milestone	Sch. Del. Date	Act. Del. Date	Percent Comp
PTM Webinar for CENAO Staff	04/20/15	20APR2015	100%
ERDC Completion of Task 1	06/30/15	15MAY2015	100%
ERDC Completion of Task 2	08/15/2015		90%
ERDC Scope of Work Task 3	12/15/2015		80%
James River RSM FY16 Fact Sheet	28 Jan 2016	28JAN2016	100%
RSM Workshop/On Board Review of Dancing Point work	11/18/2015	20JAN2016	100%
On Board Progress Review of Dancing Point		05MAY2016	100%
Scope of Work Task 4	09/30/2016		
ERDC Technical Report	FY2017		



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### Accomplishments/Benefits/Lessons Learned/Actions-construction

James River Navigation Partnership presentation

Technical approach outlined

Sample products shown

VA Pilots Association, Virginia Marine Resource

Commission feedback

On-Board Reviews

Worked best for soliciting comments

2 review teleconferences

Progress on technical report

James River team comments

PICTURE(s) to assist in  
Describing information

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Training NAO team on using models:

Workshop 04-05 May 2016



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### **What is working? Ups? Success?**

- Action on satisfying outstanding permit conditions
- Continued maintenance dredging, least cost, environmentally acceptable placement
- Developing and updating technical competencies
- Interest by NAO Command on RSM – briefed COL Kelly on 09 NOV 2015
- Included discussion of Federal Standard
- Virginia Port Authority and Eastern Shore Navigation Partnership interest

### **What is not working? Downs? Issues?**

- Contracting difficulties initially
- Some trouble with CE Dredge – RMS data not populated at NAO
- Internal perceptions about ERDC responsiveness, final product
- PDT concern about stakeholder buy-in
- Continuing resolution funding
- Asset Management – O&M FY18 Increments 3 and higher Asset Management Portfolio Analytics (AMPA)



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### **District/Other USACE PDT Members**

Walt Trinkala, James River OPM

Dave Linn, Survey Manager

Robert Pruhs, Environmental Engineer

*Nan Sothcott -> Margo Gunter, Program Analyst*

*Walter Kloth -> TBD, GIS*

Alicia Farrow, H&H Section

*Larry Cocchieri, NAD RSM*

*Susan Bailey, ERDC*

*Joseph Gailani, ERDC*

*Sung-Chan Kim, ERDC*

*Paul Schroeder, ERDC*

### **Stakeholders and Partners**

James River Partnership

Virginia Port Authority

Port of Richmond

Virginia Marine Resource Commission

CENAO, CENAD, ERDC

PICTURE(s) to assist in  
Describing information

### **Leveraging/Collaborative Opportunities**

James River O&M, General  
RSM

Corps Software Development  
Investment in Enterprise GIS



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### Value to the Nation

- Cost savings – this segment of the river generates most of dredged material quantity removed
- Value added
  - value of increased capacity in placement area: Capacity of placement site saved and therefore \$ saved on coordination, surveys, modeling, etc. to designate a new placement site not needed for x-years
  - value of sediments used downstream
- Leveraging resources
- Environmental benefits
- Improved partnerships, happy stakeholders
- Permitting and compliance requirements improved (cost savings from reduction in requirements)



