A-NPDC
ACCOMACK-NORTHAMPTON PLANNING DISTRICT COMMISSION
PO Box 417 • 23372 FRONT STREET • ACCOMAC, VIRGINIA 23301
(757) 787-2936 • TOLL FREE (866) 787-3001 • FAX (757) 787-4221
WEBSITE: www.a-npdc.org

Eastern Shore Regional Navigable Waterways Committee

Meeting Agenda

January 30, 2025 3:00 p.m.
Enterprise Building (A-NPDC)
23372 Front Street, Accomac, VA 23301

The Eastern Shore of Virginia Regional Navigable Waterways Committee (Navigable Waterways Committee) is a bi-county committee formed in 2015 to study and plan for navigable waterway needs. The Committee shall study and advise their respective Boards on the condition and status of all navigable waterways, list and prioritize the Shore's water navigation needs, and provide possible solutions to water transport needs. The Committee is staffed by the A-NPDC to ensure regional management approach. The Committee also works closely with the United States Army Corps of Engineers to facilitate clear communication ofour dredging and waterway needs.

Virtual Attendance:
For Joining **via Computer:**
1. Click this link: https://us06web.zoom.us/j/7577872936?pwd=QTNJdmhCc3pWdVNUZ0ZWYnVJdWpWUT09
2. If prompted, enter the Meeting ID: 7577872936
3. If prompted, enter the Passcode: 7577872936

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Meeting Agenda

1. Call to Order
2. Public Participation

11. Attachments

12. Schedule Next Meeting (Thursday April 17 @ 3pm; Enterprise Building 23372 Front Street, Accomac, VA 23301)
13. Adjourn

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MEMORANDUM

TO: Eastern Shore Regional Navigable Waterways Committee

FROM: Kellen J. Singleton
Interdisciplinary Planner
Accomack-Northampton Planning District Commission

DATE: January 30, 2025

SUBJECT: **Committee Attendance Record**

Committee Attendance Record
The FY2024 Committee Attendance Records are attached.

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ATTENDANCE RECORD
FY2025

Members	**Term Exp.**	**06/2024**	**10/2024**	**01/2025**	**04/2025**
		Accomack County			
Donald Hart	6/30/2025	x	x		
William J. "Billy" Tarr	6/30/2025	x	x		
John Tavolaro	6/30/2027	x	x		
George "Danny" Bowden	6/30/2027	x	x		
Brenden Kettner	6/30/2026		x		
		Northampton County			
John Coker	6/8/2027	x	x		
Dixon Leatherbury	6/8/2027				
J.T. Holland	6/8/2027	x	x		
Andy Dunton, Chair	6/8/2027	x	x		
Robert Harris	6/8/2027	x	x		
		Non-Voting Ex-Officio Members			
Kellen Singleton	N/A	x	x		
Vacant					

-	Not a Member	**X**	Member Present
*****	No Meeting Held	**NA**	Not Applicable
( )	Alternate Present		

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MEMORANDUM

TO: Eastern Shore Regional Navigable Waterways Committee

FROM: Kellen J. Singleton
Interdisciplinary Planner
Accomack-Northampton Planning District Commission

DATE: January 30, 2025

SUBJECT: **October 17, 2025 Meeting Minutes**

Please see the attached October 17, 2025 Meeting Minutes for approval.

Approval from the Eastern Shore Regional Navigable Waterways Committee is requested to accept the Meeting Minutes.

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Eastern Shore Regional Navigable Waterways Committee

Meeting Minutes

October 17, 2024

A meeting of the Eastern Shore Regional Navigable Waterways Committee was held on October 17, 2024, at 3:00 p.m. at the Enterprise Building, A-NPDC, 23372 Front Street; Accomac, Virginia 23301.

Members Present:	Donald Hart, Accomack William "Billy Joe" Tarr, Accomack John Tavolaro, Accomack George "Danny" Bowden, Accomack Brenden Kettner, Accomack John Coker, Northampton J. T. Holland, Northampton* Robert Harris, Northampton Andy Dunton, Northampton, Chairman
Members Absent:	Dixon Leatherbury, Northampton
Others Present:	Kellen Singleton, A-NPDC Faith Lewis, A-NPDC Cameron Evans, Tangier Edward Winslow, Kilmon Cove Rachel Harley, Rocket Lab Ira Brotman, Moffatt & Nichol* Jennifer Goodrum, Rocket Lab* Joe McMahon, USACE* Albert Grimes, USCG* Don Smith*

*Participated via Zoom/Phone

1. **Call to Order**

   Chairman Dunton called the October 17, 2024 meeting to order at 3:03 p.m.

2. **Public Participation**

   There was no public participation. Chairman Dunton noted the importance of continuing to engage with the community for feedback and input on local waterway projects.

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3. **Committee Attendance Record**

The committee reviewed the FY2025 attendance record. Mem. Tavolaro motioned to adopt the attendance record, seconded by Mem. Tarr. The motion carried unanimously.

4. **June 20, 2024 Meeting Minutes**

Adoption of the June 20, 2024 minutes was requested. It was noted that Kenneth Osmolenski attended the June Quarterly Meeting rather Edward Winslow as recorded.

Mem. Coker made the motion to adopt the June 2024 minutes with correction noted, seconded by Mem. Bowden, the motion was carried.

5. **ESRNWC Projects Financial Status Report**

Staff presented the Financial Status Report as of October 17, 2024. The following was noted: The VPA Balance for Kings Creek as of October 17, 2024 is $993,058.92, Nassawadox Creek: $2,205,933.72, Folly Creek: $102,680.94, and Red Bank Creek: $99,506.53.

Committee members acknowledged the report and thanked staff for maintaining clear and transparent financial oversight.
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6. **October 17, 2024 Staff Report**

Staff and Mr. Ira Brotman, PE, updated the committee on Kings Creek - Phase 2, Nassawadox Creek - Phase 1B, Nassawadox Creek - Phase 2, Folly Creek - Phase 1B, Red Bank Creek - Phase 1B, the Eastern Shore Dredge Material Management Initiative, the September 3rd USACE held public informational meeting in Saxis on the Pocomoke Sound Oyster Restoration initiative, the September 30th Chesapeake Bay Foundation (CBF) and the Community of Tangier Island hosted resilience and adaptation discussion, as well as the ongoing esvawaterways.com website reboot effort.

VMRC staff expressed continued opposition to the Nassawadox Creek nearshore berm disposal plan. Alternative strategies, including upland placement and collaboration with Tangier Island for beneficial use, were discussed. Staff has requested a public hearing of the issue at the next subsequent VMRC Board meeting. Staff is preparing a case to present at the December VMRC board commission meeting.

Folly Creek permitting efforts are advancing, with survey data being finalized. A timber mat layout to minimize wetland impacts is proposed. Staff is working to identify upland placement sites with current efforts prioritizing contractor sourced material disposal.

Collaboration continues with environmental groups to integrate dredged material into migratory bird habitat restoration concerning the Red Bank Creek project and efforts to develop a beneficial use approach to sustain nearby coastal bird habitats.

Mem. Holland thanked staff for the thorough updates and emphasized the need for timely action to resolve material management challenges.

7. Rocket Lab Neutron Rocket Launch at Wallops Island – Dredging Needs

Staff introduced the upcoming launch of Rocket Lab's Neutron Rocket at Wallops Island, scheduled for 2025. Rachel Harley and Jennifer Goodrum, representatives from Rocket Lab, outlined the critical need for dredging and dock improvements to accommodate the marine transport of rocket components, which are too large for road, rail, or air transport, with a diameter of 25 feet. The Mid-Atlantic Regional Spaceport (MARS) dock was identified as the most viable offloading site; however, it requires significant dredging to support large vessels.

Ms. Harley emphasized the urgency of completing the dredging and infrastructure improvements by mid-2025 to meet the launch timeline and noted potential regulatory and seasonal restrictions that could delay progress. She highlighted the project's economic and strategic benefits, including job creation, increased regional visibility in the aerospace industry, and greater demand for local services. Coordination with federal agencies such as the VPA, USACE, and VMRC, as well as local stakeholders, will be essential to minimize disruptions and advance the project efficiently.

The committee acknowledged the importance of the project and tasked staff with engaging Rocket Lab representatives to refine dredging plans and explore beneficial opportunities. Staff will also initiate discussions with stakeholders to address permitting requirements.

8. Nassawadox Creek Phase 1A/B – Kilmon Cove

Edward Winslow, Kilmon Cove Dredging Committee Co-Chair spoke to the Committee concerning the interim efforts of Killmon Cove residents to address the area's limited waterway access. Residents are concerned about the long-term environmental damage to Kilmon Cove due to sediment buildup at the entrance to the cove. This buildup of material at the entrance has reduced salt water flow entering and exiting the cove thereby severely impacting fish, wildlife and native vegetation in the cove as well as significantly impacting waterway navigability.

Mr. Killmon thanked staff and members for their ongoing assistance requesting the committee to include Kilmon Cove as part of the upcoming Nassawadox Creek dredging project. Chmn. Dunton expressed the committee's shared concern and willingness to technically aid and coordinate with the group and affected residents also noting that the current project scope as designed and budgeted does not comprise of the Kilmon Cove area.

9. Nassawadox Creek Phase 1B – Material Management Plan

Staff updated the committee on challenges with the material management plan for Nassawadox Creek Phase 1B. VMRC and VIMS continue to oppose the proposed nearshore berm placement, citing sediment quality concerns and classifying it as typical overboard disposal rather than beneficial use. Staff presented alternative options, including upland placement, which is more permittable but nearly doubles project costs, and potential collaboration with Tangier Island for shoreline restoration, which has strong local support but requires further logistical planning.

To address these challenges, the committee emphasized the need to build a strong case for the December VMRC commission hearing. Key arguments will highlight the project's public interest benefits, such as improved navigation, safety, and economic impacts, while addressing environmental concerns. Mem. Harris motioned to proceed with the current nearshore berm strategy while preparing additional evidence and arguments for the hearing. Mem. Tarr seconded, and the motion carried unanimously. Staff was tasked with compiling sediment data, strengthening public interest arguments, and assessing feasible alternatives.

Vice Mayor Cameron Evans of Tangier Island emphasized the island's urgent need for dredged material to support shoreline protection. He expressed community support for collaboration with ESRNWC and outlined the island's ongoing efforts to secure additional funding for land restoration.

The committee expressed support for Tangier Island and committed to maintaining ongoing communication.

10. Folly Creek Phase 1B

Staff provided an update on Folly Creek Phase 1B, detailing the proposed layout for transfer sites as developed in collaboration with the contractor. The plan includes the use of timber mats to minimize wetland impacts during dredging and sediment transfer operations, ensuring environmental compliance while maintaining project efficiency. Staff also highlighted the contractor's experience with similar small-scale dredging projects and noted that survey data would guide final placement decisions to reduce potential disruptions to the area.

Mem. Coker motioned to proceed with the Folly Creek project as proposed, with Mem. Bowden seconding the motion. The motion was carried unanimously.

11. USACE Presentation on Tangier Island Beneficial Use Project

Joe McMahon, Operations Project Manager at the USACE Norfolk District, delivered a presentation on the Tangier Federal Navigation Project, highlighting its historical significance since its authorization in 1919 and its critical role as a subsistence harbor for Tangier Island. He outlined

recent funding allocations from FY22 and ongoing efforts to evaluate beneficial use alternatives for dredged material. Plans include using sediment for shoreline stabilization and habitat restoration, which align with regional sediment management strategies and federal goals to enhance ecological resilience.

Mr. McMahon provided an overview of next steps, including stakeholder engagement, permitting processes, and leveraging partnerships with local and state agencies to ensure long-term success. He emphasized the importance of collaboration to achieve sustainable navigation and environmental outcomes. The committee expressed gratitude for his insights and recognized the relevance of his approach to their own material management challenges.

12. Norfolk District Update for the ESRNWC – 10/17/24

The Norfolk District Update for the ESRNWC was presented to the committee by staff. There was no discussion.

13. Next Meeting

The next meeting is scheduled for January 16, 2025 at 3:00 p.m. at the A-NPDC, 23372 Front Street, Accomac, Virginia 23301.

14. Adjournment

Mem. Tarr made the motion to adjourn. Seconded by Mem. Holland, the motion was carried unanimously.

The meeting was adjourned at 5:09 p.m.

_____
Andy Dunton, Chairman

_____
Kellen Singleton, Secretary

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MEMORANDUM

TO: Eastern Shore Regional Navigable Waterways Committee

FROM: Kellen Singleton
Interdisciplinary Planner
Accomack-Northampton Planning District Commission

DATE: January 30, 2025

SUBJECT: **ESRNWC Projects Budget Report**

Balances as of December 31, 2024			
	Revenues	**Expenditures**	**Balance**
Kings Creek	$ 2,537,670.48		
		$ (1,544,525.71)	$ 993,144.77
Nassawadox	$ 2,362,000.00		
		$ (172,291.64)	$ 2,189,708.36
Folly Creek	$ 203,500.00		
		$ (135,032.63)	$ 68,467.37
Red Bank	$ 222,060.00		
		$ (129,013.70)	$ 93,046.30

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MEMORANDUM

TO: Eastern Shore Regional Navigable Waterways Committee

FROM: Kellen J. Singleton
Interdisciplinary Planner
Accomack-Northampton Planning District Commission

DATE: January 30, 2025

SUBJECT: **January 30, 2025 Staff Report**

Project Updates

Kings Creek, Phase 2 [VPA FY22]

- The Kings Creek Phase 2 project construction was completed on schedule November 2, 2023.
- The total material removed was 22,888 cubic yards (22,228 cubic yards payable) that was utilized to restore the Cape Charles Public Beach. Following AD surveys by Michel's Construction, Inc. and Waterway Surveys & Engineering, Ltd.
- Michel's has completed their demobilization from the project site. $1,389,016.00 was invoiced for the construction.
- $993,058.92 remain in the Kings Creek project budget (VPA) as of the most recent report.
- Staff has reached out to for transferring of balance to the Nassawadox Creek effort. Melissa Fularon VPA Grant Programs Director has clarified that in addition to a (1) project budget projection and (2) BOS resolution to request the transfer of funds, (3) a letter from the County explaining the exigent/emergency circumstances for the transfer to occur out of cycle of VPA's standard February request and March deadline.
- Ms. Fularon has confirmed that Nassawadox Creek's dramatic change in project scope qualify as exigent/emergency circumstances as the initial offshore berm disposal plan has been rejected by VIMS/VMRC leading to a substantial increase in planning and costs.
- A hearing and final decision by the VMRC Board regarding the Nassawadox disposal meeting is scheduled for Tuesday, January 28, 2025, at 9:30 a.m.
- The next Virginia Port Authority (VPA) Board of Commissioners Regular Meeting is scheduled for Tuesday, January 28, 2025 – 9:00 AM

Next Steps:

- Determine dredge material placement site. Current Nassawadox DMMP cost projections do not require additional project funding. Upland placement significantly increases the project's costs.
- Present request for fund transference to VPA.

Nassawadox Creek, Phase 1B [VPA FY22]

- Moffat and Nichol have completed and submitted project JPA, signed off by Northampton County.
- DEQ has provided waiver letter. VMRC has assigned number, #23-2155. Claire Gorman in assignment.
- The USACE has acknowledged receipt, NAO-2007-02923-gdt (07-V0792, 23-V2155) (County of Northampton / Nassawadox Creek Channel Dredge / Northampton). POC is Taylor Hollingsworth
- VMRC is not in favor of the nearshore berm and has expressed hesitation despite material size.

- USACE has found that the current design does not meet the terms and conditions of any General Permit available for use within Virginia. Additional information has been provided for the first step of Individual Permit evaluation which is Corps issuance of a public notice.
- The Nassawadox Creek Dredging Project (VMRC #2023-2155) is planned to be discussed at the upcoming Virginia Marine Resources Commission Meeting scheduled for Tuesday, January 28, 2025, at 9:30 a.m., at the VMRC Main Office, 380 Fenwick Road, Building 96, Fort Monroe, Virginia. Staff will be speaking in favor of the County of Northampton Nassawadox Creek dredging effort.

Next Steps:

- Please See Memo: **Nassawadox Creek Phase 1B – Material Management Plan**

Nassawadox Creek, Phase 2 [VPA FY24*]

- Awarded $2.15M* from VPA WMF FY24*

Next Steps:

- Complete Phase 1B
- Begin developing scope and RFP for Phase 2

Folly Creek, Phase 1B [VPA FY22]

- A draft JPA for dredging at Folly Creek has been finalized which includes (1) the JPA form, (2) DMMP – specific for Folly, (3) Gradiation/Sediment data - limited to the vibracores taken in the area proposed to be dredged area, and (4) Permit Figures
- Please See Memo: **Folly Creek Phase 1B – Survey and Permits**

Next Steps:

- Provide table of APOs.
- Verify direction to prepare permit for mechanical dredge, with contractor supplied upland placement site.
- Procure funding for Phase 2. Please See Memo: **FY26 Waterway Maintenance Fund Request**

Red Bank Creek, Phase 1B [VPA FY22]

- Discussions ongoing with Alexandra Wilke, Coastal Scientist, Virginia Coast Reserve TNC regarding collaboration to beneficially utilize materials in habitat build-up for migratory nesting birds.

Next Steps:

- GET will perform vibracores pending APO interest.

Eastern Shore Dredge Material Management Initiative [VPA FY25]

- On April 30, 2024 the VPA authorized $3,048,500 in Waterway Maintenance Grant Funding (FY25) to the Middle Peninsula Chesapeake Bay Public Access Authority for planning efforts to advance the Middle Peninsula Planning District Commission and Accomack-Northampton Planning District Commission's Dredge Material Management Initiative.
- On July 30 Staff met with Mem. Tavolaro to initiate drafting of Project Management Plan
- On November 14 staff was informed that the MPPDC and VPA had finalized MOU language and were under contract.
- As part dredged material management initiative a virtual pre-application meeting to review suggested potential placement areas of dredged material at Tangier was held on December 18, 2024. Through future shallow draft dredging projects, there may be an opportunity to assist Tangier's

desire for dredged material to eventually be used beneficially. In attendance were staff and representatives from VMRC, VIMS, Moffat and Nichol, and the A-NPDC.

- A service agreement being worked on between MPPDC and A-NPDC. A draft agreement is under review by the MPPDC Executive Director (Attached).

Next Steps:

- Complete Project Management Plan following MPPDC-ANPDC service agreement.

Other:

- **Tangier Shoreline Protection and Resilience Working Group** held a Chesapeake Bay Commission staff facilitated virtual meeting on December 6, 2024. Participants included staff and representatives from the Chesapeake Bay Foundation, BayLand Consultants & Designers, Inc., WHRO, the Town of Tangier, DCR, DWR, the Chesapeake Bay Commission, USACE, DEQ, NOAA, ICAR -ODU, as well as William and Mary.

  Norfolk District (USACE) reported that the Water Resources Development Act is expected to pass within two weeks, potentially providing critical funding for projects. The team also provided an update on the Tangier oyster restoration initiative, now in its second phase, with community engagement ongoing and plans focusing on nearshore, offshore harvest, and offshore sanctuary areas. Joe McMahon highlighted efforts on a beneficial use project, where engineers are modeling shoreline stabilization options, noting that another maintenance dredge is planned before implementation. Keith also discussed a $10M FY25 allocation for a long-term placement site and collaboration with Baltimore District leaders to explore dredged material use for Tangier and Baltimore shorelines. It was clarified that current funds are limited to placement site construction, but Congressional representatives are exploring additional funding opportunities. The team committed to estimating costs and including them in a budget package for Congressional consideration.

- **The Rocket Lab Neutron Rocket Launch at Wallops Island** has identified critical transportation issues related to the upcoming launch, scheduled for 2025. The large components of the rocket, measuring 25 feet in diameter, cannot be transported by road, rail, or air, making marine transport the only viable option. However, Wallops Island lacks the necessary dock infrastructure, and dredging is required to support marine offloading of these components. There are several potential solutions for accommodating the rocket components at Wallops, all of which require dredging to enable the infrastructure needed for both transport and recovery of the rocket.

  On December 23, 2024 staff and contract engineers met with Rocket Lab staff to discuss technical and financial approaches to the topic. Mr. Brotman provided a 2008 permit from NASA's proposed dredging and boat basin at site planned by the Rocket Lab Barge Team, the permit proposed dredging to -8, although there are questions as to whether it was implemented. This would help permitting if so, as maintenance.

  Rocket Lab has reached out to the General Assembly for funding and is now working directly with VPA as the public partner for permitting considerations which is now being regarded as a capital dredging effort. Locating a dredge material placement site is a key concern.

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- On September 11, 2024 A-NPDC Executive Director and staff met with Moffat and Nichol and their web development contractor to initiate the website reboot, goals, content, etc. for https://www.publicinput.com/P1564 to fulfill our Technical Assistance Program & Coastal Resiliency Planning VCZMP FY23 Task 41, Grant # NA23NOS4190 deliverable. Please see and review the updated webmap at: https://experience.arcgis.com/experience/a0cf68101ad546afba24c4ca2b58eab8

Project Check-Ins

1. Red Bank/Nassawadox/Folly Project Check ins: first Wednesdays of the month at 3PM
2. HOW TO JOIN (same for both project check ins & same each month)

    - **Join Zoom Meeting**
      https://us06web.zoom.us/j/89457025520?pwd=Q1ErS0xVQ2R4L1BSL0JqQnBmVDBmUT09

      Meeting ID: 894 5702 5520
      Passcode: 7577872936

      Call In to Zoom Meeting
      Call: 1-646-558-8656
      Upon prompt, enter Meeting ID: 89457025520#
      Upon prompt, enter Passcode: *757

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MEMORANDUM

TO: Eastern Shore Regional Navigable Waterways Committee

FROM: Kellen J. Singleton
Interdisciplinary Planner
Accomack-Northampton Planning District Commission

DATE: January 30, 2025

SUBJECT: **Nassawadox Creek Phase 1B – Material Management Plan**

JPA Submittal – Nearshore Berm and VMRC Hearing

- On August 16, 2024 Chmn. Dunton, Mems. Holland, Singleton and Ira Brotman, PE met with VMRC representatives Randy Owen, Rachael Peabody, and Clair Gorman to discuss VIMS December 2023 VIMS Nassawadox Creek JPA review (See Below) and Mr. Brotman's subsequent January 3, 2024 response noting that it was not acknowledged or responded to. The attached was presented. See: VMRC Meeting: Review of Nassawadox Dredging Project (VMRC #23-2155). Subsequently VMRC staff agreed to revisit the VIMS recommendation and Mr. Brotman's response. ANPDC staff and contractors would move forward with alternative solutions.

- On September 12, 2024 ANPDC staff was notified that Claire Gorman (VMRC's permit lead on Nassawadox) communicated to Mr. Brotman that there was no change to VMRC / VIMS opinion of the project. Based on berm characteristics and bottom sediment sampling VIMS and VMRC disagree with characterizing the proposed overboard disposal as beneficial use as "there is no appreciable difference between what is proposed here and typical overboard disposal".

- VMRC has reinitiated the permit request process e.g. public notice (See Below) - since the desire is to bring the project to a vote by the commission was conveyed.

- VIMS confirmed verbally to Ms. Gorman, that the opinion is unchanged. VMRC staff at this point still does not recommend the nearshore placement.

- **The application for the permit will be heard by the Marine Resources Commission at their public hearing scheduled for Tuesday, January 28, 2025, beginning at 9:30 a.m., at 380 Fenwick Road, Building 96, Fort Monroe, Virginia.** All interested parties will be afforded the opportunity to comment. Kellen Singleton, A-NPDC Coastal Planner, will be speaking in favor of the County of Northampton Nassawadox Creek dredging effort as the Project Manager. Contract Project Engineer, Ira Brotman, PE, will also be in attendance to address any technical questions related to the project. The meeting agenda can be found at https://mrc.virginia.gov/Commission_Agendas/ca20250128.shtm. Please see the (1) 2023 VIMS Review and Community Notification Letter regarding the Nassawadox Creek Dredging Project (VMRC #2023-2155) below.

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VIMS | WILLIAM & MARY
VIRGINIA INSTITUTE OF MARINE SCIENCE

Office of Research and Advisory Services

13 December 2023

Ms. Claire Gorman
Environmental Engineer
Virginia Marine Resources Commission
380 Fenwick Road, Bldg. 96
Fort Monroe, VA 23651

Dear Ms. Gorman:

We have reviewed the application by Northampton County to dredge the approach to Nassawadox Creek (VMRC #23-2155). The proposed dredging includes both maintenance and new dredging with dredged material hydraulically pumped or mechanically placed to the south in an overboard placement area. The application describes the resulting material as an offshore berm that will act as a source of sediment both cross- and along-shore and therefore is should be considered beneficial use. There are submerged aquatic vegetation (SAV) beds near the project area at the mouth of the creek and along the shoreline landward of the proposed placement area that are not anticipated to be directly impacted by the project.

We disagree with characterizing the proposed overboard disposal as beneficial use as there is no appreciable difference between what is proposed here and typical overboard disposal. The "berm" is not proposed as an engineered shape and the placement area depicted in the plan-view drawings is sized to account for future dredge cycles. Additionally, based on bottom sediment samples taken near the proposed dredge and placement areas, the dredged sediment is predominantly fine sand with silt and clay mixed in. The samples closest to and inshore of the placement area all have a median grain size coarser than those of the dredge area samples and are predominantly medium sand with fine sand mixed in. The high proportions of fine sediment in the dredged material makes it unsuitable for beach nourishment and will result in increased turbidity in and proximal to the placement area if deposited overboard. The material could be suitable for beneficial use in a properly designed marsh project where fine sediment would be appropriate. If such a project is not found or practicable, we recommend upland disposal.

Please let me know if you have any questions or require additional information.

Sincerely,

Emily Hein
Assistant Director for Advisory Services

P. O. Box 1346 • 1370 Greate Road • Gloucester Point, Virginia 23062 USA
804.684.7381 • www.vims.edu

COMMONWEALTH of VIRGINIA

Marine Resources Commission
Building 96
380 Fenwick Road
Fort Monroe, VA 23651

Travis A. Voyles
Secretary of Natural and Historic Resources

Jamie L. Green
Commissioner

January 17, 2025

MEMORANDUM

TO: County of Northampton, Charles Kolakowski
ckolakowski@co.northampton.va.us
Moffatt & Nichol, Ira Brotman
ibrotman@moffattnichol.com

FROM: Claire Gorman CDW
Environmental Engineer
Habitat Management Division

SUBJECT: County of Northampton
VMRC #2023-2155

The application for the permit, referenced above, will be heard by the Marine Resources Commission at their public hearing scheduled for Tuesday, January 28, 2025, beginning at 9:30 a.m., at 380 Fenwick Road, Building 96, Fort Monroe, Virginia.

You are invited to attend this meeting. All interested parties will be afforded the opportunity to comment.

The Marine Resources Commission does not discriminate against individuals with disabilities. Therefore, if you are in need of reasonable accommodation due to a disability, please advise Michele Guilford, Agency Secretary, at (757) 247-2206 no less than five workdays prior to the meeting time and identify your need.

CG/pj
HM
Enclosure

A-NPDC
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MEMORANDUM TO PERSONS INTENDING TO APPEAR BEFORE THE VIRGINIA MARINE RESOURCES COMMISSION

It is the avowed intent of the Marine Resources Commission to arrive at a clear understanding of all facts relating to any case before making a decision. In this regard, all parties, both for and against the proposal, will be heard, and all witnesses presented by any parties will be heard.

Any person appearing before the Commission has the right to be represented by counsel of their choosing; however, whether or not to obtain counsel is strictly an option of the appearing party.

The Commission is not a Court of law; but, to facilitate the hearing and arrive at a true and just decision, the Commission will, insofar as is practicable and possible, depending on the nature of the particular case, abide by the following general procedures:

(1) Ascertain that all parties have been notified of the hearing, or are present, or are represented.

(2) Statement from Commission personnel as to the nature of the case and basic facts of the case. Included in this presentation shall be all the facts necessary to establish the application as bona fide and meeting all of the administrative and statutory requirements necessary in order for the Commission to consider such application.

(3) At the conclusion of the statement from Commission personnel, the applicant will be offered the opportunity to add anything, including witnesses, that he feels will clarify or strengthen the application.

(4) All parties in opposition to the proposal will then be heard, including any witnesses these parties wish to present.

(5) The applicant then shall have the opportunity to answer any of the statements of the parties in opposition and to summarize his case.

Any parties who appear before the Commission shall answer any questions of the Commission. If you submit additional material (e.g. photographs, maps, plans, relevant correspondence, etc.) which you believe is pertinent, and it is accepted by the Commission as evidence, it must be retained as part of the record in the case.

We thought you would like to have this information prior to appearing before the Commission. If you have any questions, please do not hesitate to call us.

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MEMORANDUM

TO: Eastern Shore Regional Navigable Waterways Committee

FROM: Kellen J. Singleton
Interdisciplinary Planner
Accomack-Northampton Planning District Commission

DATE: January 30, 2025

SUBJECT: **Folly Creek Phase 1B – Survey and Permits**

Draft JPA For Committee Review

- A draft JPA for dredging at Folly Creek has been finalized which includes (1) the JPA form, (2) DMMP – specific for Folly, (3) Gradiation/Sediment data - limited to the vibracores taken in the area proposed to be dredged area, and (4) Permit Figures. A table of APO's is still needed.

- Next steps include the procurement of funding for Phase 2. **Please See Memo: FY26 Waterway Maintenance Fund Request**

  Staff request the committee to review for submission including verification of contractor supplied upland placement. **Please see: Draft Folly Creek JPA document attached**.

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MEMORANDUM

TO: Eastern Shore Regional Navigable Waterways Committee

FROM: Kellen J. Singleton
Interdisciplinary Planner
Accomack-Northampton Planning District Commission

DATE: January 30, 2025

SUBJECT: **FY26 Waterway Maintenance Fund Request**

FY26 WMF Requests and Overview

- On Thursday, February 13, 2025 beginning at 1:00 p.m., the port will host a meeting at our office located at 600 World Trade Center, Norfolk, VA. 23510 for localities to present new project requests and/or provide updates on existing projects under the Waterway Maintenance Fund Program. This meeting will be held in-person.

- As applicant staff is required to submit a completed application to the VPA that contains: statement of need and urgency, total project cost, timeline and phases of project, feasibility of the proposed planning and/or dredging project, status of any necessary permits, the adequacy of the applicants project management, the potential beneficial use of dredged materials for the purpose of mitigation of coastal erosion, flooding or other purposes, potential beneficial impact to the community, and total amount of funding being requested.

- Staff intends to make two requests:

    1. A recurrent request for $3.38M for phase B of the Folly Creek project. These cost estimates are subject to change. Please see: VPA WMF FY2025 cost projections below.

    2. The transference of the remaining $993,058.92 balance of the Kings Creek project budget (VPA) as of the most recent report to the Nassawadox Creek project. Please see: Projected Budget estimates below.

       Note: Current Nassawadox DMMP cost projections do not require additional project funding. Additional funding would be needed for alternative disposal options.

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Folly Creek Dredging – Northampton

Approximate Project Timeline: To be determined by contract negotiations with the Prime Contractor

Dredging Activity	Cost Estimate
Mobilization/Demobilization	$900,000
Unit Cost • 6' MLW + 1-foot allowable overdepth (30,000 CY)	$22 per cubic yard = $660,000
Sediment Disposal Preparation/Implementation	$1,100,000
Post-Dredging Survey	$25,000
SUBTOTAL	**2,685,000**
Contingency	18% = $483,300
Project Planning & Administration	$211,500
TOTAL	**$3.380M**

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Nassawadox Creek Dredging Project
Projected Budget
12-Jul-24

FY2025 Projected Revenues

Resolution #20-9	$	109,000.00
Resolution #21-4	$	103,000.00
Resolution #23-07	$	2,150,000.00
Additional Request	$	-
TOTAL Projected Revenues	**$**	**2,362,000.00**

FY2025 Projected Expenditures

Expenses - March 30, 2024	$	156,066.28
Disposal Strategy	$	25,000.00
Permit	$	15,000.00
Design	$	45,000.00
Misc	$	5,000.00
const/trans	$	3,945.32
Dredge Mobilization	$	502,866.00
Hydraulic Dredging	$	575,991.04
Project Management	$	130,000.00
Contingency 20%	$	472,400.00
TOTAL Projected Expenditures	**$**	**1,931,268.64**

Nearshore

Unexpended Funds	$	430,731.36

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Nassawadox Creek Dredging Project
Projected Budget
12-Jul-24

FY2025 Projected Revenues

Resolution #20-9	$	109,000.00
Resolution #21-4	$	103,000.00
Resolution #23-07	$	2,150,000.00
Additional Request	$	993,144.77
TOTAL Projected Revenues	**$**	**3,355,144.77**

FY2025 Projected Expenditures

Expenses - March 30, 2024	$	156,066.28
Disposal Strategy	$	25,000.00
Permit	$	15,000.00
Design	$	45,000.00
Misc	$	5,000.00
const/trans	$	3,945.32
Dredge Mobilization	$	634,380.00
Mechanical Dredging	$	1,233,601.50
Truck Mobilization	$	29,256.00
Truck Haul	$	691,127.18
Project Management	$	130,000.00
Contingency 12%	$	386,768.49
TOTAL Projected Expenditures	**$**	**3,355,144.77**

Trucking

Unexpended Funds	$	(0.00)

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Nassawadox Creek Dredging Project
Projected Budget
12-Jul-24

FY2025 Projected Revenues

Resolution #20-9	$	109,000.00
Resolution #21-4	$	103,000.00
Resolution #23-07	$	2,150,000.00
Additional Request	$	993,144.77
TOTAL Projected Revenues	**$**	**3,355,144.77**

FY2025 Projected Expenditures

Tangier

Expenses - March 30, 2024	$	156,066.28
Disposal Strategy	$	25,000.00
Permit	$	15,000.00
Design	$	45,000.00
Misc	$	5,000.00
const/trans	$	3,945.32
Dredge Mobilization	$	634,380.00
Mechanical Dredging	$	1,233,601.50
Truck Mobilization	$	29,256.00
Truck Haul	$	691,127.18
Project Management	$	130,000.00
Contingency 12%	$	386,768.49
TOTAL Projected Expenditures	**$**	**3,355,144.77**

TANGIER

Unexpended Funds	$	-

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MEMORANDUM

TO: Eastern Shore Regional Navigable Waterways Committee

FROM: Mike Anderson, P.E.
Chief, Design Section
Operations Branch, Water Resources Division, Norfolk District

DATE: January 30, 2025

SUBJECT: **Norfolk District Update ESRNWC**

Norfolk District Update for the ESRNWC – 10/17/24

Please see below the October 17, 2024 Norfolk District Update for the ESRNWC. An updated report will be available at a future date.

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CORPS OF ENGINEERS NORFOLK DISTRICT

Eastern Shore Regional Navigable Waterways Committee
Status Update for 17 October 2024

Norfolk District Civil Works Program updates on Projects currently under development

Chincoteague Inlet Federal Navigation Project:
Chincoteague Inlet received $3,375,000 in FY2023 Congressional appropriations and $1,370,000 in FY2024 Congressional appropriations.

Maintenance dredging utilizing the dredge Murden was performed in September 2024 for the inner channel alignment with dredged material placement at the authorized nearshore zone off Wallops Island. Approximately 10,000 cubic yards of dredged material was removed from several "spot shoals" along the inner channel to restore channel depths in support of the Fall commercial trawler fishery.

Multi-year project appropriations will be used for a full scope maintenance dredging contract including portions of the inner channel and outer bar to project authorized depths. The Corps will continue its collaboration with the U.S. Fish and Wildlife Service (USFWS), National Park Service and Chincoteague National Wildlife Refuge to beneficially place suitable material at one of their designated restoration sites surrounding Toms Cove. The Corps received confirmation in May 2024 that U.S. Fish and Wildlife Service grant proposal was accepted and is scheduled to receive funds through the NOAA transformational funding program. The initial scoping meeting occurred in June 2024 and the project kickoff meeting occurred on 10 October 2024 and included Ducks Unlimited, NOAA, USFWS, and USACE agency partners to discuss next steps towards project development.

Chincoteague Harbor of Refuge Federal Navigation Project:
Chincoteague Harbor of Refuge received $250,000 in FY2023 Congressional appropriations.

Maintenance dredging utilizing the dredge Murden was performed March 2024 in concurrence with Chincoteague Inlet. Approximately 400 cubic yards were removed from the harbor basin's entrance channel in support of commercial and recreational vessels for the upcoming summer boating season.

Quinby Channel Federal Navigation Project:
Quinby Channel received $2,917,000 in FY2023 Congressional appropriations.

The NAO project team and Engineering Research Development Center (ERDC) continue working together to determine if the Peeler Point overboard site is a dispersive or non-dispersive source of dredged sediments redepositing into the Quinby Creek navigation channel. Draft findings will be provided in the form of a letter report tentatively scheduled for December 2024. The study scope was expanded to include Bradford Bay, Chincoteague Inlet, and Lewis Creek overboard placement areas.

FY2023 appropriations will be used for a full scope maintenance dredging contract of the Quinby Creek landing and entrance channel to restore the project to maintained depths.

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Eastern Shore Regional Navigable Waterways Committee
Status Update for 17 October 2024

Waterway on the Coast of Virginia (WCV) Federal Navigation Project:
WCV received $4,975,000 in FY2023 Congressional appropriations.

The Norfolk District awarded a contract to Next Generation Logistics, LLC on 28 March 2024 in the amount of $1,686,025.00. The maintenance dredging contract work commenced in September 2024 and restore the Bradford Bay and Finney Creek channel elements to a maintained depth of -6 feet MLLW. The Notice to Proceed was issued on 3 May 2024 with an effective date of 13 May 2024. Before dredging surveys were completed for the dredging work. The surveys indicate additional shoaling within and contiguous to the awarded contract pay prism. An additional quantities modification including a 27-day extension to the period of performance was awarded on 6 September 2024 for a total contract amount of $2,340,439.75. The dredging work started in September 2024 with a period of performance ending on 6 November 2024. Material will be transported by pipeline with placement at a nearby designated overboard placement site. The Norfolk District is planning to move forward with developing plans and specifications to maintenance dredge the Lewis Creek Federal Navigation Project (will be combined with Chincoteague Inlet maintenance dredging).

Tangier Channels Federal Navigation Project:
The Project received $2,884,000 in FY2023 Congressional appropriations to design, perform environmental coordination, and develop plans and specifications for a maintenance dredging contract. The Project received $500,000 in FY2024 Congressional appropriations to develop a dredged material management plan (DMMP). The DMMP will inform design, plans and specifications, and acquisition of environmental authorizations for a beneficial use project.

The Baltimore Harbor and Channels Civil Works O&M project received $300,000 in FY2023 Congressional appropriations to evaluate beneficial use of dredged material at Tangier Island, VA. As part of the evaluation process, the ESRNWC and Town of Tangier Island, VA will be asked to participate and provide input.

$10,000,000 was identified in the FY2025 President's Budget for design, environmental authorizations, plans and specifications and administration of the beneficial use project. $300,000 was also identified in the FY2025 President's Budget for use of Government Plant to remove critical shoaling from the channel.

Little Machipongo River Federal Navigation Project:
Little Machipongo River received $2,200,000 in FY2023 Congressional appropriations.

These funds will be used to evaluate the Government furnished placement site, initiate field evaluations, perform design, environmental coordination, and authorizations, plans and specifications, solicitation, and contract award.

The project team has assessed the dredge material placement site conditions and has determined that placement site refurbishment is required for the facility to operate effectively. The funding will be used for clearing and grubbing of vegetation within the containment area, earthwork to

CORPS OF ENGINEERS NORFOLK DISTRICT

Eastern Shore Regional Navigable Waterways Committee
Status Update for 17 October 2024

restore dike stability and capacity, and grading within the cell for adequate flow. The design team has completed topographic survey data collection of the upland placement site and is currently processing that information to be used for mapping. Once mapped, the team will evaluate capacity of the site against the calculated volume of anticipated dredge material.

Deep Creek Accomack County, Virginia Federal Navigation Project:
Deep Creek Accomack County, Virginia received $4,275,000 in FY2023 Congressional appropriations.

These funds will be used to evaluate the Government furnished placement site, initiate field evaluations, perform design, environmental coordination, and authorizations, plans and specifications, solicitation, and contract award.

Project delivery team is evaluating the best option for placement site of dredge material. The land provided by the non-federal sponsor appears to consist of wetlands that will not support construction of an upland placement site of dredge material, and other avenues are being explored to include thin-layer placement (marsh enhancement), wetland creation, and beach placement options. The design team recently completed the sediment sampling event and preliminary soil classification appears to indicate substantial clay presence within the channel. The design team will use the data, when final reports are submitted, to determine the best path forward for material placement.

Starlings Creek, Virginia Federal Navigation Project:
Starlings Creek, Virginia received $1,705,000 in FY2023 Congressional appropriations.

These funds will be used to evaluate the designated confined upland placement site, initiate field evaluations, perform design, environmental coordination, and authorizations, plans and specifications, solicitation, and contract award.

Cedar Island, CAP, Section 204, Beneficial Uses of Dredged Material:
The purpose of the project is to beneficially use the dredged material from the Finney Creek Channel and the Bradford Bay Channel for enhancement, expansion, and protection of the Cedar Island back-barrier shoreline wetlands and marsh islands. The thin-layer spraying will be done via a hydraulic cutterhead dredge equipped with a pipeline that will spray the material from the Federal navigation sites. Total Project costs are estimated at $11,258,000, which are to be cost shared on a 65 percent Federal and 35 percent non-Federal basis. The USACE North Atlantic Division concurred with the Norfolk District's recommendation on 24 October 2019 concluding the feasibility phase of the project. Next phase is design and implementation phase, which requires a non-Federal Sponsor. A non-Federal sponsor and Letter of Intent is required for the Norfolk District to submit the Design/Implementation phase for budget consideration.

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CORPS OF ENGINEERS NORFOLK DISTRICT

Eastern Shore Regional Navigable Waterways Committee
Status Update for 17 October 2024

General Investigation Studies:
Chincoteague Island, Chincoteague, VA Flood Risk Management General Investigations (GI) Feasibility Study.
Study authority is provided by Section 1201(27) of the Water Infrastructure Improvements for the Nation Act of 2016 (Public Law 114-322) which states (27) CHINCOTEAGUE ISLAND, VIRGINIA. Project for hurricane and storm damage reduction, navigation, and ecosystem restoration, Chincoteague Island, Virginia. The town of Chincoteague is the non-Federal sponsor, has provided a letter of support and has secured a cost share. The Norfolk District continues to submit the feasibility study for budget consideration. The Norfolk District received an updated letter of intent in support of the study dated 27 March 2023, from Chincoteague Town Manager Michael T. Tolbert.

Tangier Island, VA Aquatic Ecosystem Restoration GI Feasibility Study.
Study authority is provided by Section 1201 under America's Water Infrastructure Act of 2018 (Public Law 115-270) to evaluate…(9) COASTAL VIRGINIA, VIRGINIA.—Project for flood risk management, ecosystem restoration, and navigation, Coastal Virginia. Or (10) TANGIER ISLAND, VIRGINIA. Project for flood risk management and ecosystem restoration, Tangier Island, Virginia. A non-Federal sponsor and Letter of Intent is required for the Norfolk District to submit the study for budget consideration.

*** Please refer to the table below for a summary of project funding with estimated times for contract award of work.**

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USACE NORFOLK DISTRICT CIVIL WORKS PROGRAM
(Eastern Shore)

11 October 2024

Project Name	Total Appropriated FY23	Total Appropriated FY24	President's Budget FY25	Estimated Construction Award Schedule	Notes
Chincoteague Island, VA, New Start Feasibility	$0	$0	$0	Not Applicable	Non-Federal Sponsor is the Town of Chincoteague, VA. NFS cost share portion secured; letter of intent provided. The study has been submitted for budget consideration.
Tangier Island Aquatic Ecosystem Restoration, VA, New Start Feasibility	$0	$0	$0		Non-Federal Sponsor and Letter of Intent is required for USACE to submit the study for budget consideration.
Cedar Island, CAP, Section 204, Beneficial Uses of Dredged Material	$0	$0	$0		Non-Federal Sponsor and Letter of Intent is required for USACE to submit the Project for budget consideration.
Chincoteague Harbor of Refuge, VA	$250,000	$0	$0	Not Applicable	Maintenance dredging was performed by the USACE dredge MURDEN
Chincoteague Inlet, VA	$3,375,000	$1,370,000	$750,000	Nov-26	Includes maintenance dredging by MURDEN in March and September 2024 and full scope contract for maintenance dredging with beneficial use of dredged material at nearby NWR. Required agreement between USACE and U.S. Fish and Wildlife Service.
Deep Creek Accomack County, VA	$4,275,000	$0	$0	Oct-25	Placement site evaluation, field investigations, environmental coordination, design, development of plans and specifications is required for contract award.
Little Machipongo River, VA	$2,200,000	$0	$0	Jul-25	Government furnished placement site evaluation, field investigations, environmental coordination, design, development of plans and specifications is required fpor contract award.
Onancock River, VA	$700,000	$0	$0	Oct-25	Work to be performed by the USACE dredge MURDEN. Coarse grain material to be dredged with nearshore placement. Environmental coordination is required.
Parker Creek, VA	$3,544,000	$0	$0	Nov-25	Placement site evaluation, field investigations, environmental coordination, design, development of plans and specifications is required for contract award.
Quinby Creek, VA	$2,917,000	$0	$0	Jan-26	Placement site evaluation and modelling to be completed, field investigations, environmental coordination, design, development of plans and specifications is required for contract award.
Starlings Creek, VA	$1,705,000	$0	$0	Oct-25	Contract to prepare the placement site for dredged material. Environmental coordination, design, development of plans and specifications is required.
Tangier Channels, VA	$2,884,000	$0	$0	Feb-26	Includes Murden Dredging and full scope contract for maintenance dredging and beneficial use of dredged material at nearby Beach (Northwest shoreline).
Tangier Channels Beneficial Use	$300,000	$500,000	$10,300,000	Feb-26	Perform an evaluation using dredged material from nearby Federal channel for beneficial use (BU) on Tangier Island. Focus will consider using dredged material to repair, renourish, and stabilize the shoreline. FY25 funding identified in the President's budget to be used on first element of BU construction.
Waterway on the Coast of Virginia, VA (Lewis Creek)	$4,975,000	$0	$0	Nov-26	Full scope contract for maintenance dredging Bradford Bay and Finney Creek with placement of dredged material at the nearby permitted overboard placement site (contract awarded to Next Generation Logistics, LLC for $2,340,439.75). With remaining funding, the Lewis Creek project element will be advanced for contract award of maintenance dredging (included with Chincoteague Inlet).
TOTAL	$27,125,000	1,870,000	11,050,000		

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Memorandum of Understanding (MOU)

Between:
Middle Peninsula Planning District Commission (MPPDC)
&
Accomack-Northampton Planning District Commission (ANPDC)

For:
The Virginia Port Authority's Waterway Maintenance Fund Grant Dated November XX, 2024, for Dredged Material Management Master Planning Initiative for the Middle Peninsula and Eastern Shore *Working Waterfront Assessment*"

This Memorandum of Understanding (MOU) outlines the terms of agreement between the Middle Peninsula Planning District Commission (MPPDC), acting as management agent on behalf of Accomack-Northampton Planning District Commission (ANPDC). MPPDC was awarded $3,048,500 from the Virginia Port Authority Waterway Maintenance Fund (VPA-WMF) for the development of Dredged Material Management Master Plans for the Middle Peninsula and Eastern Shore.

CONTRACTUAL SERVICES

ANPDC shall develop an Eastern Shore Dredged Material Management Master Plan using VPA-WMF funding. ANPDC will be contracted for 24 months (November 2024 through October 2026) to achieve and produce final deliverables for all project activities. ANPDC will be responsible for all activities necessary to complete the Project, including, but not limited to:

i. Channel Condition Assessments and Characterization (ANPDC);
ii. In-water Disposal/Reuse Legal and Regulatory Characterization (MPPDC & ANPDC);
iii. Confined Aquatic Disposal (CAD) Area Identification Study (MPPDC & ANPDC);
iv. In-water Disposal/Reuse Area Technical Site Assessments (MPPDC & ANPDC);
v. Upland Disposal Legal Analysis & Document Development (MPPDC & ANPDC);
vi. Upland Technical Site Assessments (MPPDC & ANPDC);
vii. Engineering design and cost for one to three in-water and/or upland sites (MPPDC & ANPDC);
viii. Implementation/Construction Activities (MPPDC & ANPDC); and
ix. Grant administration, development of Master Plans, contractor oversight for necessary planning, assessment and implementation (MMPDC & ANPDC).

ANPDC must provide a final scope of work to MPPDC and must receive approval from the VPA regarding the scope of work before any work begins on activities i through viii listed above. ANPDC may incur charges related to activity ix above prior to developing and submitting a scope of work to MPPDC for review and approval from VPA.

It is anticipated that ANPDC will work with MPPDC while developing the scope of work for the project. When mutually agreed upon, MPPDC and ANPDC will jointly procure and/or subcontract to achieve cost savings and maximize VPA-WMF funding outcomes. In instances where costs for joint procurement of subcontracts which will provide services to both the MPPDC and the ANPDC are incurred, those costs will be shared evenly between the MPPDC and ANPDC. For instance, if procurement of a subcontract for

CAD area identification studies for MPPDC and ANPDC is necessary and results in $10,000 in legal fees for procurement document development and review, then MPPDC and ANPDC will each contribute $5,000 from their VPA-WMF budgets, respectively, to cover those costs.

Once VPA has approved the ANPDC scope of work, the scope of work will be issued as an addendum to the MOU to guide contractual services, reimbursements and reporting moving forward.

REIMBURSEMENT & REPORTING

MPPDC will make available to ANPDC a total of **$1,518,600.37** of the VPA-WMF award for activities approved by the VPA in previous sections.

Throughout the project, ANPDC shall submit to MPPDC invoices summarizing charges for ANPDC staff and ANPDC subcontractor(s) for work already performed. Invoices must be accompanied by a statement from an authorized ANPDC representative certifying that the work has been performed. MPPDC staff will then submit payment requests to VPA and MPPDC will pay ANPDC accordingly once VPA has released the funds for work performed. MPPDC plans to submit requisitions to VPA on a monthly basis throughout the project. ANPDC may submit payment requests to MPPDC no more frequent than monthly or at other intervals as desired by ANPDC.

Final invoices must be dated no later than 10/31/2026 unless otherwise allowed by an extension granted by MPPDC staff.

All other terms and conditions of the MOU between VPA and MPPDC (**Attachment A**) apply herein.

Reimbursement is dependent upon the ANPDC meeting the following requirements:

1) Participate in initial meeting at the beginning of the project to determine which scope activities are to involve procurement or contracting which will result in a contractor(s) providing services in both regions (Middle Peninsula and Eastern Shore)
2) Attendance as necessary at meetings and collaboration on all aspects of the project
3) Comply with the parent Memorandum of Understanding between the MPPDC and VPA including submitting all necessary attachments/forms. (**Attachment A**);
4) Completing deliverables listed below under the *DELIVERABLES/PRODUCTS* section*;*
5) Submission of Quarterly Progress Reports following the schedule set forth in Table 1 below, where the ANPDC completes a collaborative document administered by the MPPDC and using the MPPDC's Sharepoint file.

Progress Reporting Schedule:			
Report	**Report Period**	**Due Date to MPPDC**	**Required Elements**
Quarter 1 (Q1) Report	11/XX/24 to 12/31/24	1/15/2025	Complete Progress Reports via Sharepoint link
Q2 Report	1/1/25 to 3/31/25	4/15/2025	Complete Progress Reports via Sharepoint link
Q3 Report	4/1/25 to 6/30/25	7/15/2025	Complete Progress Reports via Sharepoint link

Q4 Report	7/1/25 to 9/30/25	10/15/2025	Complete Progress Reports via Sharepoint link
Q5 Report	10/1/25 to 12/31/25	1/15/2026	Complete Progress Reports via Sharepoint link
Q6 Report	1/1/26 to 3/31/26	4/15/2026	Complete Progress Reports via Sharepoint link
Q7 Report	4/1/26 to 6/30/26	7/15/2026	Complete Progress Reports via Sharepoint link
Q8 Report	7/1/26 to 9/30/26	10/15/2026	Complete Progress Reports via Sharepoint link
Closeout Period	10/1/26 to 10/31/26	10/31/2026	Final ANPDC Dredged Material Management Plan, other deliverables, submitted via Sharepoint link

The project proposal included a two-year duration; however, should an extension be necessary, ANPDC will notify MPPDC of the need and reason for an extension. MPPDC will submit the extension request to VPA accordingly and if approved, by VPA, then quarterly reporting will continue under the same reporting schedule as described above until the approved end date. MPPDC has budgeted administrative time for two years for the project. In the event that ANPDC needs an extension beyond the two-year grant period and MPPDC has exhausted its budgeted amount for grant administration, MPPDC will work with ANPDC to reach an agreement for additional funding from ANPDC to cover necessary MPPDC grant administration costs related to the extended period of the project.

DELIVERABLES/PRODUCTS

For specific details, refer to the attached Virginia Coastal Zone Management Program (CZM) Grant #: NA23NOS4190255, Grant Year 2023, Task #: 91.01 "Working Waterfront Assessment"

Product #1

Title: **Eastern Shore Dredged Material Management Plan**

Percent total project budget: 100%

Description: ANPDC will develop and dredged material management plan in accordance with a scope of work to be developed by ANPDC and approved by VPA. The plan is intended to serve provide viable solutions for dredged material disposal and/or beneficial reuse for creeks deemed as being high priority for the Eastern Shore. The plan will involve study and planning elements as well as implementation activities as approved by VPA and as funds allow. The Management Plan activities will generally follow the activity descriptions provided for each activity in the MPPDC application submitted to VPA on behalf of ANPDC during February 2024 (**Attachment B** – note that funding levels and budgets in the application do not apply to the current project as the amount awarded by VPA was less than the original requested amount).

The plan will include description of all steps taken, methodologies, etc. used for various planning and study activities, as well as photos or videos of any implementation activities, should there be any.

Product Format: Word or PDF document of final Management Plan including links to photos, videos, maps, etc.
Timeframe: *Start:* 11/XX/2024
End: 10/31/2026

ACCEPTED BY:

Partner PDC: Accomack-Northampton Planning District Commission (ANPDC)

By: Elaine K. N. Meil, Executive Director

_____ Date:_____

Lead PDC: Middle Peninsula Planning District Commission (MPPDC)

By: Lewis L. Lawrence, Executive Director

_____ Date:_____

FOR AGENCY USE ONLY	
	Notes:
JPA#	

APPLICANTS

PLEASE PRINT OR TYPE ALL ANSWERS. If a question does not apply to your project, please print N/A (not applicable) in the space provided. ***If additional space is needed, attach extra 8 ½ x 11 inch sheets of paper.***

Check all that apply			
☐ Pre-Construction Notification ☐ (PCN) NWP # _____ *(For Nationwide Permits ONLY - No DEQ-VWP permit writer will be assigned)*	☐ SPGP ☐ PASDO-PGP SELF VERIFICATION *(Replaces Regional Permit 17 (RP-17))*	☐ DEQ Reapplication Existing permit number: _____	☐ Receiving federal funds Agency providing funding: _____

PREVIOUS ACTIONS RELATED TO THE PROPOSED WORK (Include all federal, state, and local pre application coordination, site visits, previous permits, or applications whether issued, withdrawn, or denied)

Historical information for past permit submittals can be found online with VMRC - https://webapps.mrc.virginia.gov/public/habitat/ - or VIMS - http://ccrm.vims.edu/perms/newpermits.html

Agency	Action / Activity	Permit/Project number, including any non-reporting Nationwide permits previously used (e.g., NWP 13)	Date of Action	If denied, give reason for denial

1. APPLICANT, AGENT, PROPERTY OWNER, AND CONTRACTOR INFORMATION
The applicant(s) is/are the legal entity to which the permit may be issued (see How to Apply at beginning of form). The applicant(s) can either be the property owner(s) or the person/people/company(ies) that intend(s) to undertake the activity. The agent is the person or company that is representing the applicant(s). If a company, please also provide the company name that is registered with the State Corporation Commission (SCC), or indicate no registration with the SCC.

Legal Name(s) of Applicant(s)			Agent (if applicable)		
Accomack County, Attn: Michael T. Mason			Moffatt & Nichol, Attn: Ira Brotman		
Mailing address			Mailing address		
P.O. Box 388			101 West Main Street, Suite 3000		
City	State	ZIP Code	City	State	ZIP Code
Accomac	VA	23301	Norfolk	VA	23510
Phone number w/area code	Fax		Phone number w/area code	Fax	
(757)787-5700			(757)628-8222		
Mobile	E-mail		Mobile	E-mail	
				ibrotman@moffattnichol.com	
State Corporation Commission Name and ID number (if applicable)			State Corporation Commission Name and ID number (if applicable)		

Certain permits or permit authorizations may be provided via electronic mail. If the applicant wishes to receive their permit via electronic mail, please provide an e-mail address here: _____

1. APPLICANT, AGENT, PROPERTY OWNER, AND CONTRACTOR INFORMATION (Continued)

Property owner(s) legal name, if different from applicant			Contractor, if known		
Mailing address			Mailing address		
City	State	ZIP code	City	State	ZIP code
Phone number w/area code	Fax		Phone number w/area code	Fax	
Mobile	E-mail		Mobile	E-mail	
State Corporation Commission Name and ID number (if applicable)			State Corporation Commission Name ID number (if applicable)		

2. PROJECT LOCATION INFORMATION

(Attach a copy of a detailed map, such as a USGS topographic map or street map showing the site location and project boundary, so that it may be located for inspection. Include an arrow indicating the north direction. Include the drainage area if the SPGP box is checked on Page 7.)

Street Address (911 address if available)	City/County/ZIP Code Accomack County
Subdivision	Lot/Block/Parcel #

Name of water body(ies) within project boundaries and drainage area (acres or square miles).
Folly Creek

Tributary(ies) to: Atlantic Ocean
Basin: _____ Sub-basin: _____
(*Example: Basin: James River Sub-basin: Middle James River*)

Special Standards (based on DEQ Water Quality Standards 9VAC25-260 et seq.): _____

Project type (check one)
_____ Single user (private, non-commercial, residential)
x Multi-user (community, commercial, industrial, government)
_____ Surface water withdrawal

Latitude and longitude at center of project site (decimal degrees): 37.69352 / -75.62528
(Example: 37.33164/-77.68200)

USGS topographic map name: Accomac/Metompkin Inlet

8-digit USGS Hydrologic Unit Code (HUC) for your project site (See http://cfpub.epa.gov/surf/locate/index.cfm): 02040304
If known, indicate the 10-digit and 12-digit USGS HUCs (see http://consapps.dcr.virginia.gov/htdocs/maps/HUExplorer.htm) :
0204030401 020403040103

Name of your project (*Example: Water Creek driveway crossing*) Folly Creek Maintenance Dredging

Is there an access road to the project? ☐ Yes ☑ No. If yes, check all that apply: ☐ public ☐ private ☐ improved ☐ unimproved

Total size of the project area (in acres): 5.65

2. PROJECT LOCATION INFORMATION (Continued)

Provide driving directions to your site, giving distances from the best and nearest visible landmarks or major intersections:

The site is accessible by boat, with the closest public ramp at the Folly Creek Public Boat Ramp off of Folly Creek Rd. on Folly Creek

Does your project site cross boundaries of two or more localities (i.e., cities/counties/towns)? ☐ Yes ☑ No

If so, name those localities:

3. DESCRIPTION OF THE PROJECT, PROJECT PRIMARY AND SECONDARY *PURPOSES*, PROJECT *NEED*, INTENDED USE(S), AND ALTERNATIVES CONSIDERED (Attach additional sheets if necessary)

- The purpose and need must include any new development or expansion of an existing land use and/or proposed future use of residual land.
- Describe the physical alteration of surface waters, including the use of pilings (#, materials), vibratory hammers, explosives, and hydraulic dredging, when applicable, and *whether or not tree clearing will occur* (include the area in square feet and time of year).
- Include a description of alternatives considered and measures taken to avoid or minimize impacts to surface waters, including wetlands, to the maximum extent practicable. Include factors such as, but not limited to, alternative construction technologies, alternative project layout and design, alternative locations, local land use regulations, and existing infrastructure
- For utility crossings, include both alternative routes and alternative construction methodologies considered
- For surface water withdrawals, public surface water supply withdrawals, or projects that will alter in stream flows, include the water supply issues that form the basis of the proposed project.

The project is to perform dredging of Folly Creek from the public boat ramp out towards the Atlantic Ocean with dredge extents ending around the pier for 24531 Ocean View Court, Accomac, VA. The dredged material will be placed uplands at a suitable area to be determined by the contractor.

Date of proposed commencement of work (MM/DD/YYYY)	Date of proposed completion of work (MM/DD/YYYY)
6/1/2025	6/1/2026
Are you submitting this application at the direction of any state, local, or federal agency? x Yes ____ No	Has any work commenced or has any portion of the project for which you are seeking a permit been completed? ____ Yes x No

If you answered "yes" to either question above, give details stating when the work was completed and/or when it commenced, who performed the work, and which agency (if any) directed you to submit this application. In addition, you will need to clearly differentiate between completed work and proposed work on your project drawings.

Are you aware of any unresolved violations of environmental law or litigation involving the property? ____ Yes X No

(If yes, please explain)

4. PROJECT COSTS

Approximate cost of the entire project, including materials and labor: $ 1,900,000

Approximate cost of only the portion of the project affecting state waters (channelward of mean low water in tidal areas and below ordinary high water mark in nontidal areas): $ 450,000

5. PUBLIC NOTIFICATION (Attach additional sheets if necessary)

Complete information for all property owners adjacent to the project site and across the waterway, if the waterway is less than 500 feet in width. If your project is located within a cove, you will need to provide names and mailing addresses for all property owners within the cove. If you own the adjacent lot, provide the requested information for the first adjacent parcel beyond your property line. Per Army Regulation (AR 25-51) outgoing correspondence must be addressed to a person or business.

Failure to provide this information may result in a delay in the processing of your application by VMRC.

Property owner's name	Mailing address	City	State	ZIP code
Upon Request				

Name of newspaper having general circulation in the area of the project: Eastern Shore Pilot

Address and phone number (including area code) of newspaper P.O. Box 517, Onley , VA, 23418 (757)446-2848

Have adjacent property owners been notified with forms in Appendix A? _____Yes X No (attach copies of distributed forms)

6. THREATENED AND ENDANGERED SPECIES INFORMATION

Please provide any information concerning the potential for your project to impact state and/or federally threatened and endangered species (listed or proposed). Attach correspondence from agencies and/or reference materials that address potential impacts, such as database search results or confirmed waters and wetlands delineation/jurisdictional determination. Include information when applicable regarding the location of the project in Endangered Species Act-designated or -critical habitats. Contact information for the U.S. Fish and Wildlife Service, National Oceanic and Atmospheric Administration, Virginia Dept. of Game and Inland Fisheries, and the Virginia Dept. of Conservation and Recreation-Division of Natural Heritage can be found on page 4 of this package.

7. HISTORIC RESOURCES INFORMATION

Note: Historic properties include but are not limited to archeological sites, battlefields, Civil War earthworks, graveyards, buildings, bridges, canals, etc. Prospective permittees should be aware that section 110k of the NHPA (16 U.S.C. 470h-2(k)) prevents the USACE from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of Section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless the USACE, after consultation with the Advisory Council on Historic Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effect created or permitted by the applicant.

Are any historic properties located within or adjacent to the project site? ____ Yes ____ No X Uncertain
If Yes, please provide a map showing the location of the historic property within or adjacent to the project site.

Are there any buildings or structures 50 years old or older located on the project site? ____ Yes X No _____ Uncertain
If Yes, please provide a map showing the location of these buildings or structures on the project site.

Is your project located within a historic district? ____ Yes X No ____ Uncertain

If Yes, please indicate which district: _____

7. HISTORIC RESOURCES INFORMATION (Continued)

Has a survey to locate archeological sites and/or historic structures been carried out on the property?
___ Yes ___ No _x_ Uncertain

If Yes, please provide the following information: Date of Survey: _____

Name of firm: _____

Is there a report on file with the Virginia Department of Historic Resources? ____ Yes ____ No ___Uncertain

Title of Cultural Resources Management (CRM) report: _____

Was any historic property located? ____ Yes ____ No __ Uncertain

8. WETLANDS, WATERS, AND DUNES/BEACHES IMPACT INFORMATION

Report each impact site in a separate column. If needed, attach additional sheets using a similar table format. Please ensure that the associated project drawings clearly depict the location and footprint of each numbered impact site. For dredging, mining, and excavating projects, use Section 17.

	Impact site number 1	Impact site number 2	Impact site number 3	Impact site number 4	Impact site number 5
Impact description (use all that apply): F=fill EX=excavation S=Structure T=tidal NT=non-tidal TE=temporary PE=permanent PR=perennial IN=intermittent SB=subaqueous bottom DB=dune/beach IS=hydrologically isolated V=vegetated NV=non-vegetated MC=Mechanized Clearing of PFO (*Example: F, NT, PE, V)*	Transfer Area: T, TE, V, NV				
Latitude / Longitude (in decimal degrees)	~37.69404/-75.63212				
Wetland/waters impact area (square feet / acres)	975 sq ft /0.2 ac				
Dune/beach impact area (square feet)					
Stream dimensions at impact site (length and average width in linear feet, and area in square feet)					
Volume of fill below Mean High Water or Ordinary High Water (cubic yards)					

8. WETLANDS/WATERS IMPACT INFORMATION (Continued)					
Cowardin classification of impacted wetland/water or geomorphological classification of stream *Example wetland: PFO; Example stream: 'C' channel and if tidal, whether vegetated or non-vegetated wetlands per Section 28.2-1300 of the Code of Virginia*					
Average stream flow at site (flow rate under normal rainfall conditions in cubic feet per second) and method of deriving it (gage, estimate, etc.)					
Contributing drainage area in acres or square miles (*VMRC cannot complete review without this information*)					
DEQ classification of impacted resource(s): Estuarine Class II Non-tidal waters Class III Mountainous zone waters Class IV Stockable trout waters Class V Natural trout waters Class VI Wetlands Class VII https://law.lis.virginia.gov					
For DEQ permitting purposes, also submit as part of this section a wetland and waters boundary delineation map – see (3) in the Footnotes section in the form instructions.					
For DEQ permitting purposes, also submit as part of this section a written disclosure of all wetlands, open water, or streams that are located within the proposed project or compensation areas that are also under a deed restriction, conservation easement, restrictive covenant, or other land-use protective instrument.					

9. APPLICANT, AGENT, PROPERTY OWNER, AND CONTRACTOR CERTIFICATIONS

READ ALL OF THE FOLLOWING CAREFULLY BEFORE SIGNING

PRIVACY ACT STATEMENT: The Department of the Army permit program is authorized by Section 10 of the Rivers and Harbors Act of 1899, Section 404 of the Clean Water Act, and Section 103 of the Marine Protection Research and Sanctuaries Act of 1972. These laws require that individuals obtain permits that authorize structures and work in or affecting navigable waters of the United States, the discharge of dredged or fill material into waters of the United States, and the transportation of dredged material for the purpose of dumping it into ocean waters prior to undertaking the activity. Information provided in the Joint Permit Application will be used in the permit review process and is a matter of public record once the application is filed. Disclosure of the requested information is voluntary, but it may not be possible to evaluate the permit application or to issue a permit if the information requested is not provided.

CERTIFICATION: I am hereby applying for permits typically issued by the DEQ, VMRC, USACE, and/or Local Wetlands Boards for the activities I have described herein. I agree to allow the duly authorized representatives of any regulatory or advisory agency to enter upon the premises of the project site at reasonable times to inspect and photograph site conditions, both in reviewing a proposal to issue a permit and after permit issuance to determine compliance with the permit.

In addition, I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

9. APPLICANT, AGENT, PROPERTY OWNER, AND CONTRACTOR CERTIFICATIONS (Continued)

Is/Are the Applicant(s) and Owner(s) the same? ☑ *Yes* ☐ *No*

Legal name & title of Applicant	Second applicant's legal name & title, if applicable
Accomack County, Attn: Michael T. Mason	
Applicant's signature	Second applicant's signature
Date	Date
Property owner's legal name, if different from Applicant	Second property owner's legal name, if applicable
Property owner's signature, if different from Applicant	Second property owner's signature
Date	Date

CERTIFICATION OF AUTHORIZATION TO ALLOW AGENT(S) TO ACT ON APPLICANT'S(S') BEHALF (IF APPLICABLE)

I (we), Michael T. Mason (and) _____ ,
APPLICANT'S LEGAL NAME(S) – *complete the second blank if more than one Applicant*

hereby certify that I (we) have authorized Moffatt & Nichol (and) _____
AGENT'S NAME(S) – *complete the second blank if more than one Agent*

to act on my (our) behalf and take all actions necessary to the processing, issuance, and acceptance of this permit and any and all standard and special conditions attached. I (we) hereby certify that the information submitted in this application is true and accurate to the best of my (our) knowledge.

Applicant's signature	Second applicant's signature, if applicable
Date	Date
Agent's signature and title	Second agent's signature and title, if applicable
Date	Date

CONTRACTOR ACKNOWLEDGEMENT (IF APPLICABLE)

I (we), _____ (and) _____ ,
APPLICANT'S LEGAL NAME(S) – *complete the second blank if more than one Applicant*

have contracted _____ (and) _____
CONTRACTOR'S NAME(S) – *complete the second blank if more than one Contractor*

to perform the work described in this Joint Permit Application, signed and dated _____.

I (we) will read and abide by all conditions as set forth in all federal, state, and local permits as required for this project. I (we) understand that failure to follow the conditions of the permits may constitute a violation of applicable federal, state, and local statutes and that we will be liable for any civil and/or criminal penalties imposed by these statutes.
In addition, I (we) agree to make available a copy of any permit to any regulatory representative visiting the project site to ensure permit compliance. If I (we) fail to provide the applicable permit upon request, I (we) understand that the representative will have the option of stopping our operation until it has been determined that we have a properly signed and executed permit and are in full compliance with all of the terms and conditions.

Contractor's name or name of firm (printed/typed)	Contractor's or firm's mailing address	
n/a		
Contractor's signature and title	Contractor's license number	Date
Applicant's signature	Second applicant's signature, if applicable	
Date	Date	

END OF GENERAL INFORMATION

The following sections are activity-specific. Fill out only the sections that apply to your particular project.

10. PRIVATE PIERS, MARGINAL WHARVES, AND UNCOVERED BOAT LIFTS

Regional Permit 17 (RP-17), authorizes the installation and/or construction of open-pile piers, mooring structures/devices, fender piles, covered boathouses/boatslips, boatlifts, osprey pilings/platforms, accessory pier structures, and certain devices associated with shellfish gardening, for private use, subject to strict compliance with all conditions and limitations further set out in the RP-17 enclosure located at http://www.nao.usace.army.mil/Missions/Regulatory/RBregional/. In addition to the information required in this JPA, prospective permittees seeking authorization under RP-17 must complete and submit the 'Regional Permit 17 Checklist' with their JPA. A copy of the 'Regional Permit 17 Checklist' is found in Appendix B of this application package. If the prospective permittee answers "yes" (or "N/A", where applicable) to all of the questions on the 'Regional Permit 17 Checklist', the permittee is in compliance with RP-17 and will not receive any other written authorization from the Corps but may not proceed with construction until they have obtained all necessary state and local permits. ***Note: If the prospective permittee answers "no" to any of the questions on the 'Regional Permit 17 Checklist' then their proposed structure(s) does not meet the terms and conditions of RP-17 and written authorization from the Corps is required before commencement of any work.***

If the prospective permittee answers "no" to any of the questions on the 'Regional Permit 17 Checklist' then their proposed structure(s) does not meet the terms and conditions of RP-17 and written authorization from the Corps is required before commencement of any work. In those circumstances, the following information must be included in the application and/or on the drawings in order for the application to be considered complete:

1. The applicant **MUST** provide written justification/need for the encroachment if the proposed structure(s) will extend greater than one-fourth of the distance across the waterway measured from either mean high water to mean high water (including all channelward wetlands) or ordinary high water to ordinary high water (including all channelward wetlands). The measurement should be based on the narrowest distance across the waterway regardless of the orientation of the proposed structure(s).
2. The applicant **MUST** provide written justification/need if the proposed structure(s) is greater than five (5) feet wide or there will be less than four (4) feet elevation between the decking and the vegetated wetlands substrate.
3. The Corps **MAY** require depth soundings across the waterway at increments designated by the Corps project manager. Inclusion of depth sounding data in the original JPA submittal is highly recommended in order to expedite permit evaluation. Depth soundings are typically taken at 10-foot increments for waterways less than 200 feet wide and 20-foot increments for waterways greater than 200 feet wide. Please include the date and time the measurements were taken, whether the data was collected at mean low water (MLW) or MHW, and how the soundings were taken (e.g., tape, range finder, etc.).

Number of vessels to be moored at the pier or wharf: _____	Do you have an existing pier on your property? ____Yes____ No If yes, will it be removed? ____Yes ____No Is your lot platted to the mean low water shoreline? ____Yes ____No

In the spaces provided below, give the type (e.g., sail, power, skiff, etc.), size, and registration number of the vessel(s) to be moored

TYPE	LENGTH	WIDTH	DRAFT	REGISTRATION #

11. BOATHOUSES, GAZEBOS, COVERED BOAT LIFTS, AND OTHER ROOFED STRUCTURES OVER WATERWAYS

Number of vessels to be moored at the proposed structure: _____	Will the sides of the structure be enclosed? _____Yes _____No Area covered by the roof structure _____ square feet

In the spaces provided below, give the type (e.g., sail, power, skiff, etc.), size, and registration number of the vessel(s) to be moored

TYPE	LENGTH	WIDTH	DRAFT	REGISTRATION #

12. MARINAS AND COMMERCIAL, GOVERNMENTAL, AND COMMUNITY PIERS

Have you obtained the Virginia Department of Health's approval for sanitary facilities? _____Yes _____No
You will need to obtain this authorization or a variance before a VMRC permit will be issued.

Will petroleum products or other hazardous materials be stored or handled at the facility? _____Yes _____No
If your answer is yes, please attach your spill contingency plan.

Will the facility be equipped to off-load sewage from boats? _____Yes _____No

EXISTING: wet slips: _____ dry storage: _____	*PROPOSED:* wet slips: _____ dry storage: _____

13. FREE STANDING MOORING PILES, OSPREY NESTING POLES, MOORING BUOYS, AND DOLPHINS (not associated with piers)

Number of vessels to be moored: _____	Type and number of mooring(s) proposed: _____

In the spaces provided below, give the type (e.g., sail, power, skiff, etc.), size, and registration number of the vessel(s) to be moored

TYPE	LENGTH	WIDTH	DRAFT	REGISTRATION #

Give the name and complete mailing address(es) of the owner(s) of the vessel(s) if not owned by applicant (attach extra sheets if needed):

Do you plan to reach the mooring from your own upland property? _____Yes _____No
If "no," explain how you intend to access the mooring.

14. BOAT RAMPS

Will excavation be required to construct the boat ramp? _____Yes _____No. If "yes," will any of the excavation occur below the plane of the ordinary high water mark/mean high water line or in wetlands? _____Yes _____No. If "yes," you will need to fill out Section 17 for this excavation.
Where will you dispose of the excavated material?

_____

What type of design and materials will be used to construct the ramp (open pile design with salt treated lumber, concrete slab on gravel bedding, etc.)?

Location of nearest public boat ramp	Driving distance to that public ramp _____miles

Will other structures be constructed concurrent with the boat ramp installation? _____Yes _____No
If "yes," please fill out the appropriate sections of this application associated with those other activities.

15. TIDAL/NONTIDAL SHORELINE STABILIZATION STRUCTURES (INCLUDING BULKHEADS AND ASSOCIATED BACKFILL, RIPRAP REVETMENTS AND ASSOCIATED BACKFILL, MARSH TOE STABILIZATION, GROINS, JETTIES, AND BREAKWATERS, ETC.) Information on non structural, vegetative alternatives (i.e., Living Shoreline) for shoreline stabilization is available at http://ccrm.vims.edu/coastal_zone/living_shorelines/index.html.

Is any portion of the project maintenance or replacement of an existing and currently serviceable structure? _____Yes _____No
If yes, give length of existing structure: _____ linear feet

If your maintenance project entails replacement of a bulkhead, is it possible to construct the replacement bulkhead within 2 feet channelward of the existing bulkhead? _____Yes _____No If not, please explain below:

Length of proposed structure, including returns: _____linear feet

Average channelward encroachment of the structure from Mean high water/ordinary high water mark: _____ feet Mean low water: _____feet	*Maximum* channelward encroachment of the structure from Mean high water/ordinary high water mark: _____ feet Mean low water: _____feet
Maximum channelward encroachment form the back edge of the Dune _____feet	*Maximum* channelward encroachment from the back edge of the Beach _____feet

Describe the type of construction including all materials to be used (including all fittings). Will filter cloth be used? ____Yes ____No

What is the source of the backfill material? _____

What is the composition of the backfill material? _____

If rock is to be used, give the average volume of material to be used for every linear foot of construction: _____cubic yards
What is the volume of material to be placed below the plane of ordinary high water mark/mean high water? _____cubic yards

For projects involving stone:
Average weight of core material (bottom layers): _____pounds per stone (Class_____)
Average weight of armor material (top layers): _____pounds per stone (Class_____)

Are there similar shoreline stabilization structures in the vicinity of your project site? _____Yes _____No
If so, describe the type(s) and location(s) of the structure(s):

If you are building a groin or jetty, will the channelward end of the structure be marked to show a hazard to navigation? _____Yes _____No	Has your project been reviewed by the Shoreline Erosion Advisory Service (SEAS)? _____Yes _____No If yes, please attach a copy of their comments.

16. BEACH NOURISHMENT

Source of material and composition (percentage sand, silt, clay): _____	Volume of material: _____cubic yards

Area to be covered _____ square feet channelward of mean low water _____square feet channelward of mean high water

_____ square feet landward of mean low water _____square feet channelward of mean high water

Mode of transportation of material to the project site (truck, pipeline, etc.):

16. BEACH NOURISHMENT (Continued)

Describe the type(s) of vegetation proposed for stabilization and the proposed planting plan, including schedule, spacing, monitoring, etc. Attach additional sheets if necessary.

17. DREDGING, MINING, AND EXCAVATING

FILL OUT THE FOLLOWING TABLE FOR DREDGING PROJECTS

	NEW dredging				**MAINTENANCE dredging**			
	Hydraulic		Mechanical (clamshell, dragline, etc.)		Hydraulic		Mechanical (clamshell, dragline, etc.)	
	Cubic yards	Square feet	Cubic yards	Square feet	Cubic yards	Square feet	Cubic yards	Square feet
Vegetated wetlands								
Non-vegetated wetlands								
Subaqueous land	17,150	246,000						
Totals								

Is this a one-time dredging event? ☐ Yes _____ No If "no", how many dredging cycles are anticipated: _____
(____ initial cycle in cu. yds.) (_____ subsequent cycles in cu. yds.)

Composition of material (percentage sand, silt, clay, rock):
Provide documentation (i.e., laboratory results or analytical reports) that *dredged* material from on-site areas is free of toxics. If not free of toxics, provide documentation of proper disposal (i.e., bill of lading from commercial supplier or disposal site).

Fine grained material, Clay and sandy clay - See attached vibracore report for VC-FC- 8, 9, 10, 11 & 13

Please include a dredged material management plan that includes specifics on how the dredged material will be handled and retained to prevent its entry into surface waters or wetlands. If on-site dewatering is proposed, please include plan view and cross-sectional drawings of the dewatering area and associated outfall.

See attached DMMP.

Will the dredged material be used for any commercial purpose or beneficial use? _____Yes x_____No
If yes, please explain:

If this is a maintenance dredging project, what was the date that the dredging was last performed? _____
Permit number of original permit: _____ *(It is important that you attach a copy of the original permit.)*

17. DREDGING, MINING, AND EXCAVATING (Continued)

For mining projects: On separate sheets of paper, explain the operation plans, including: 1) the frequency (e.g., every six weeks), duration (i.e., April through September), and volume (in cubic yards) to be removed per operation; 2) the temporary storage and handling methods of mined material, including the dimensions of the containment berm used for upland disposal of dredged material and the need (or no need) for a liner or impermeable material to prevent the leaching of any identified contaminants into ground water; 3) how equipment will access the mine site; and 4) verification that dredging: a) will not occur in water body segments that are currently on the effective Section 303(d) Total Maximum Daily Load (TMDL) priority list (available at http://www.deq.virginia.gov/Programs/Water/WaterQualityInformationTMDLs/TMDL/TMDLDevelopment/TMDLProgramPriorities.aspx) or that have an approved TMDL; b) will not exacerbate any impairment; and c) will be consistent with any waste load allocation/limit/conditions imposed by an approved TMDL (see, "What's in my backyard" or subsequent spatial files at http://www.deq.virginia.gov/ConnectWithDEQ/VEGIS.aspx to determine the extent of TMDL watersheds and impairment segments).

Have you applied for a permit from the Virginia Department of Mines, Minerals and Energy? _____Yes _____No If Yes:
Existing permit number:_____ Date permit issued: _____

Contributing drainage area: _____square miles	Average stream flow at site (flow rate under normal rainfall conditions): _____cfs

18. FILL (not associated with backfilled shoreline structures) AND OTHER STRUCTURES (other than piers and boathouses) IN WETLANDS OR WATERS, OR ON DUNES/BEACHES

Source and composition of fill material (percentage sand, silt, clay, rock):

_____

Provide documentation (i.e., laboratory results or analytical reports) that *fill* material from *off-site* locations is free of toxics. If not free of toxics, provide documentation of proper disposal (i.e., bill of lading from commercial supplier or disposal site). Documentation is not necessary for fill material obtained from on-site areas.

Explain the purpose of the filling activity and the type of structure to be constructed over the filled area (if any):

Describe any structure that will be placed in wetlands/waters or on a beach dune and its purpose:

Will the structure be placed on pilings? ____ Yes ____ No	Total area occupied by any structure. _____ Square Feet
How far will the structure be placed channelward from the back edge of the dune? _____feet	How far will the structure be placed channelward from the back edge of the beach? _____feet

19. NONTIDAL STREAM CHANNEL MODIFICATIONS FOR RESTORATION OR ENHANCMENT, or TEMPORARY OR PERMANENT RELOCATIONS

If proposed activities are being conducted for the purposes of compensatory mitigation, please attach separate sheets of paper providing all information required by the most recent version of the stream assessment methodology approved by the Norfolk District of the U.S. Army Corps of Engineers and the Virginia Department of Environmental Quality, in lieu of completing the questions below. Required information outlined by the methodology can be found at:
http://www.nao.usace.army.mil/Missions/Regulatory/UnifiedStreamMethodology.aspx *or*
http://www.deq.virginia.gov/Programs/Water/WetlandsStreams/Mitigation.aspx.

For all projects proposing stream restoration provide a completed Natural Channel Design Review Checklist and Selected Morphological Characteristics form. These forms and the associated manual can be located at:
https://www.fws.gov/chesapeakebay/StreamReports/NCD%20Review%20Checklist/Natural%20Channel%20Design%20Checklist%20Doc%20V2%20Final%2011-4-11.pdf

Has the stream restoration project been designed by a local, state, or federal agency? ____ Yes ____ No. If yes, please include the name of the agency here: _____.

Is the agency also providing funding for this project? _____ Yes _____ No

Stream dimensions at impact site (length and average width in linear feet, and area in square feet):
L: _____(feet) AW:_____ (feet) Area:_____ (square feet)

Contributing drainage area: _____acres *or* _____square miles

19. NONTIDAL STREAM CHANNEL MODIFICATIONS FOR RESTORATION OR ENHANCMENT, or TEMPORARY OR PERMANENT RELOCATIONS (Continued) **19. NONTIDAL STREAM CHANNEL MODIFICATIONS FOR RESTORATION OR ENHANCMENT, or TEMPORARY OR PERMANENT RELOCATIONS (Continued)19. NONTIDAL STREAM CHANNEL MODIFICATIONS FOR RESTORATION OR ENHANCMENT, or TEMPORARY OR PERMANENT RELOCATIONS (Continued)**

Existing average stream flow at site (flow rate under normal rainfall conditions): _____cfs	Proposed average stream flow at site after modifications (flow rate under normal rainfall conditions): _____cfs

Explain, in detail, the method to be used to stabilize the banks:

Explain the composition of the existing stream bed (percent cobble, rock, sand, etc.):

Will low-flow channels be maintained in the modified stream channel? _____Yes _____No.
Describe how:

Will any structure(s) be placed in the stream to create riffles, pools, meanders, etc.? _____Yes _____No
If yes, please explain:

20. UTILITY CROSSINGS

Type of crossing: _____overhead _____trenched _____directionally-drilled

Method of clearing corridor of vegetation (check all that apply): ☐ mechanized land clearing that disturbs the soil surface
☐ cutting vegetation above the soil surface

Describe the materials to be used in the installation of the utility line (including gravel bedding for trenched installations, bentonite slurries used during direction-drilling, etc.) and a sequence of events to detail how the installation will be accomplished (including methods used for in-stream and dry crossings).

Will the proposed utility provide empty conduits for any additional utilities that may propose to co-locate at a later date? ____Yes ____ No.

For overhead crossings over navigable waterways (including all tidal waterways), please indicate the height of other overhead crossings or bridges over the waterway relative to mean high water, mean low water, or ordinary high water mark:

Nominal system voltage, if project involves power lines: _____

Total number of electrical circuits: _____

20. UTILITY CROSSINGS (Continued)

Will there be an excess of excavated material? _____Yes _____No
If so, describe the method that will be undertaken to dispose of, and transport, the material to its permanent disposal location and give that location:

Will any excess material be stockpiled in wetlands? _____Yes _____No
If so, will the stockpiled material be placed on filter fabric or some other type of impervious surface? _____Yes _____No

Will permanent access roads be placed through wetlands/streams? ____Yes _____No
If yes, will the roads be (check one) ☐ at grade ☐ above grade?

Will the utility line through wetlands/waters be continually maintained (e.g. via mowing or herbicide)? ____Yes _____No
If maintained, what is the maximum width? _____feet

21. ROAD CROSSINGS

Have you conducted hydraulic studies to verify the adequacy of the culverts? _____Yes _____No
If so, please attach a copy of the hydraulic study/report.
Virginia Department of Transportation (VDOT) standards require that the backwater for a 100 year storm not exceed 1 foot for all road, culvert, and bridge projects within FEMA-designated floodplains. Virginia Department of Environmental Quality (DEQ) requires pipes and culverts 24 inches or less in diameter to be countersunk three inches below the natural stream bed elevations, and pipes and culverts greater than 24 inches to be countersunk at least six inches below the natural stream bed elevations. Hydraulic capacity is determined based on the reduced capacity due to the countersunk position.

Will the culverts be countersunk below the stream bottom? _____Yes _____No. If no, explain:

If the project entails a bridged crossing and there are similar crossings in the area, what is the vertical distance above mean high water, mean low water, or ordinary high water mark of those similar structures? _____feet above _____
For all bridges proposed over navigable waterways (including all tidal water bodies), you will be required to contact the U.S. Coast Guard to determine if a permit is required of their agency.

On separate sheets of paper, describe the materials to be used, the method of construction (including the use of cofferdams), the sequence of construction events, and if bedrock conditions may be encountered. Include cross-sections and profile plans of the culvert crossings including wing walls or rip rap.

22. IMPOUNDMENTS, DAMS, AND STORMWATER MANAGEMENT FACILITIES
If the impoundment or dam is a component of a water withdrawal project, also complete Sections 24 through 26.

Will the proposed impoundment, dam, or stormwater management facility be used for agricultural purposes (e.g., in the operation of a farm)? For DEQ permitting purposes, a farm is considered to be a property or operation that produces goods for market.
___ Yes ___ No

What type of materials will be used in the construction (earth, concrete, rock, etc.)? _____

What is the source of these materials? _____

Provide the dimensions of proposed impoundment, dam, or stormwater management facility, including the height and width of all structures.

Storage capacity* of impoundment: _____acre-feet *should be given for the normal pool of recreational or farm ponds, or design pool for stormwater management ponds or reservoirs (the elevation the pond will be at for the design storm, e.g., 10-year, 24-hour storm)	Surface area** of impoundment: _____acres **should be given for the normal pool of recreational or farm ponds, or design pool for stormwater management ponds or reservoirs (the elevation the pond will be at for the design storm, e.g., 10-year, 24-hour storm)

22. IMPOUNDMENTS, DAMS, AND STORMWATER MANAGEMENT FACILITIES (Continued)

Is the proposed project excluded from the Virginia Dam Safety Regulations? ___ Yes ___ No ___ Uncertain

If not excluded, does your proposed project comply with the Virginia Dam Safety Regulations? ___ Yes ___ No ___ Uncertain

Does the proposed design include a vegetation management area per §10.1-609.2? ___ Yes ___ No ___ Uncertain
If your answer to these questions is no or uncertain, you should contact the Virginia Department of Conservation and Recreation's Dam Safety Program at (804) 371-6095, or reference the regulations on the Web at
http://www.dcr.virginia.gov/dam_safety_and_floodplains/index.shtml

For stormwater management and flood control facilities:

Design storm event: _____year storm Retention time: _____hours

Current average flow (flow rate under normal rainfall conditions): _____cfs

Method used to derive average flow: _____

Proposed peak outflow for the design storm provided above: _____cfs

Has the facility been designed as an Enhanced Extended Detention Basin or an Extended Detention Basin in accordance with the Minimum Standard 3.07 of the Virginia Stormwater Management Handbook, Volume I (published by the Virginia Department of Conservation and Recreation, 1999), or in accordance with the latest version of this handbook? _____Yes _____No

Will the impoundment structure be designed to pass a minimum flow at all times? _____Yes _____No

If so, please give the minimum rate of flow: _____cfs

What is the drainage area upstream of the proposed impoundment? _____square miles

How much of your proposed impoundment structure will be located on the stream bed? _____square feet

What is the area of vegetated wetlands that will be excavated and/or back-flooded by the impoundment? _____ square feet

What is the *area and length* of streambed that will be excavated and/or back-flooded by the impoundment? _____ square feet
_____ linear feet

Are fish ladders being proposed to accommodate the passage of fish? _____Yes _____No

23. OUTFALLS NOT ASSOCIATED WITH PROPOSED WATER WITHDRAWAL ACTIVITIES

Type and size of pipe(s): _____

Daily rate of discharge: _____mgd

If the discharge will be thermally-altered, provide the maximum temperature: _____

Contributing drainage area: _____square miles Average daily stream flow at site:_____cfs

Have you received a Virginia Discharge Elimination System (VPDES) permit for the proposed project? ___ Yes ___ No.

If yes, please provide the VPDES permit number: _____.

If no, is there a permit action pending? ___ Yes ___ No. If pending, what is the facility name? _____.

The following sections are typically related to surface water withdrawal activities; Federal Energy Regulatory Commission license projects; or impacts likely to require instream flow limits. Examples of such projects include, but are not limited to, reservoirs, irrigation projects, power generation facilities, and public water supply facilities that may or may not have associated features, such as dams, intake pipes, outfall structures, berms, etc.

If completing these sections, enter "N/A" in any section that does not apply to the project.

24. INTAKES, OUTFALLS, AND WATER CONTROL STRUCTURES (INCLUDING ALL PROPOSED WATER WITHDRAWAL ACTIVITIES)

For intakes:

Type and size of pipe(s): _____

Type and size of pump(s): _____

Average and Maximum daily rate of withdrawal: _____ and _____ mgd

Velocity of withdrawal: _____ fps

Screen mesh size:_____ inches / _____ mm

If other sizing units, please specify:

_____

Contributing drainage area at withdrawal point(s):

_____ square miles

Average daily stream flow at withdrawal point(s) (flow rate under normal rainfall conditions): _____ cfs

Method(s) used to derive average daily stream flow

_____

Average annual stream flow at withdrawal point(s):

_____ cfs

Latitude and longitude of withdrawal point(s) (degrees, minutes, seconds): _____

For outfalls:

Type, size, and hydraulic capacity (under normal conditions) of pipe(s): _____, _____, and _____

Daily rate of discharge: _____ mgd

If the discharge will be thermally-altered, provide the maximum temperature: _____

Contributing drainage area at discharge point(s):

_____ square miles

Average daily stream flow at discharge point(s) (flow rate under normal rainfall conditions): _____cfs

Method(s) used to derive average daily stream flow

_____

Latitude and longitude of discharge point(s) (degrees, minutes, seconds): _____

For intakes and dams, use the table below to provide the <u>median</u> monthly stream flows in cubic feet per second (cfs) at the water intake or dam site (not at the stream gage; if there is not a gage at the intake or dam site, you will need to interpolate flows to the intake or dam site based upon the most closely related watershed in which there is an operational stream gage monitored by the United States Geologic Survey (USGS)). Median flow is the value at which half of the measurements are above and half of the measurements are below. Median is also sometimes referred to as the '50% exceedence flow'. The median flow generally must be calculated from USGS historical data. Please do not provide *mean (average)* flow.

Month	Median flow (cfs)	Month	Median flow (cfs)
January		July	
February		August	
March		September	
April		October	
May		November	
June		December	

24. INTAKES, OUTFALLS, AND WATER CONTROL STRUCTURES (Continued)

Describe the stream flow gages used, USGS stream flow gage site number and site name (e.g., USGS 01671100 Little River near Doswell, VA), the type of calculations used (such as drainage area correction factors), and the period of record that was used to calculate the median flows provided in the table above. Generally, the period of record should span a minimum of 30 years.

For interbasin transfer of water resources proposed from either the Chowan River, New River, Potomac River, Roanoke River, Big Sandy River, or Tennessee River basins to another river basin, provide the following information:

Destination location (discharge point) of the transfer:
8-digit USGS Hydrologic Unit Code (HUC) (See http://cfpub.epa.gov/surf/locate/index.cfm): _____ If known, indicate the 10-digit and 12-digit USGS HUCs (see http://consapps.dcr.virginia.gov/htdocs/maps/HUExplorer.htm):

_____ _____

Latitude and Longitude: _____- _____- _____/ _____- _____- _____

Provide any available historical low-flows at the intake or dam site.

Describe how the proposed withdrawal at the intake or dam site will impact stream flows in terms of rates, volumes, frequency, etc. (e.g., percent of the flow to be withdrawn, percent of withdrawal returned to the original source, etc.).

Describe how the withdrawal of water will vary over time. For example, will the withdrawal vary by the time of year, by the time of day, or by the time of week? Examples of projects that should describe variable withdrawals include, but are not limited to: power plant cooling withdrawals that increase and decrease seasonally; golf course irrigation; municipal water supply; nurseries; ski resorts that use water for snowmaking; and resorts with weekend or seasonal variations.

24. INTAKES, OUTFALLS, AND WATER CONTROL STRUCTURES (Continued)

Provide the amount of water that will be lost due to consumptive use. For the purpose of this application, consumptive use means the withdrawal of surface waters without recycling of said waters to their source or basin of origin. Examples of consumptive uses are water that is evaporated in cooling towers or by other means in power plants; irrigation water (all types); residential water use that takes place outside of the home; and residential water use both inside and outside of homes for residences served by septic systems. Projects that propose a transfer of water from one river basin to another and/or localities that sell water to other jurisdictions, should document the portion of the withdrawal that is not returned to the originating watershed.

Proposed monthly consumptive volume (million gallons): _____

Attach a map showing the *location* of the withdrawal and of the return of flow, and provide the *amount* of the return flow (million gallons).

For withdrawals proposed on an impoundment, provide a description of flow or release control structures. Include type of structure, rate of flow, size, capacity, invert elevation of outfall pipes referenced to the normal pool elevation, and the mechanism used to control release. Provide a description of available water storage facilities. Include the volume, depth, normal pool elevation, unusable storage volume and dimensions. If applicable, stage-storage relationship at the impounding structure (the volume of water in the impoundment at varying stages of water depth) and volume or rate of withdrawals from the storage facility.

25. WATER WITHDRAWAL USE(S), NEED, AND ALTERNATIVES *(Attach additional sheets if needed.)*

Describe the proposed use(s) and need for the surface water and information on how demand for surface water was determined. *Golf courses* must provide documentation to justify the amount of water withdrawal, such as the amount of acreage under irrigation, the acreage of fairways versus greens, type of turf grass, evapotranspiration, and irrigation efficiency. *Agricultural* users must supply documentation justifying their requested withdrawal amount, such as type of crop, livestock, or other agriculture animal, number of animals, watering needs, acres irrigated, inches of water applied, and frequency of application. *Other users* of withdrawals for purposes other than those described above must provide sufficient documentation to justify the requested withdrawal amounts.

25. WATER WITHDRAWAL USE(S), NEED, AND ALTERNATIVES (Continued)

Provide the following information at the water intake or dam site. Specify the units of measurement (e.g., million gallons per day, gallons per minute, cubic feet per second, etc.).

Proposed maximum instantaneous withdrawal _____

Proposed average daily withdrawal _____

Proposed maximum daily withdrawal _____

Proposed maximum monthly withdrawal _____

Proposed maximum annual withdrawal _____

Describe how the above withdrawals were calculated, including the relevant assumptions made in that calculation and the documentation or resources used to support the calculations, such as population projections, population growth rates, per-capita use, new uses, changes to service areas, and if applicable, evapotranspiration data and irrigation data.

For surface water withdrawals, public water supply withdrawals, and projects that will alter instream flows, provide information to establish the local water supply need. Attach additional sheets if needed.

EXISTING	PROJECTED
Existing supply sources, yields, and demands: _____ Peak day withdrawal: _____ Average daily withdrawal: _____ Safe yield: _____ Lowest daily flow of record: _____ Types of water uses (residential, public water supply, commercial, industrial, agricultural): _____ Existing water conservation measures and drought response plan, including what conditions trigger implementation: _____	Projected demands over a minimum 30-year planning period: _____ Projected demands in local or regional water supply plan (9VAC25-780 et seq.) or demand for the project service area, if that is smaller in area: _____ Statistical population (growth) trends: _____ Projected demands by type of water use: _____ Projected demands without water conservation measures: _____ Projected demands with long-term water conservation measures: _____

For surface water withdrawals other than public water supply, provide information or documentation that demonstrates alternate sources of water are available for the proposed project during times of reduced instream flow.

25. WATER WITHDRAWAL USE(S), NEED, AND ALTERNATIVES (Continued)

Provide information from the State Water Resources Plan (http://www.deq.virginia.gov/Programs/Water/WaterSupplyWaterQuantity/WaterSupplyPlanning/StateWaterResourcesPlan.aspx) and the local or regional water supply plan that covers the area in which the proposed water withdrawal project is located (http://www.deq.virginia.gov/Portals/0/DEQ/Water/WaterSupplyPlanning/SWRP%20Final/App%20A%20Water%20Supply%20Plans%20and%20Participating%20Localities.pdf). Include information from the plan that pertains to projected demand, analysis of alternatives, and water conservation measures. Discuss any discrepancies between the water supply plan and the proposed project. For projects that propose a transfer of water resources from the Chowan River, New River, Potomac River, Roanoke River, Big Sandy River, or Tennessee River basins to another river basin, information should be provided from the water supply plans for both the source and receiving basins. Attach additional sheets if needed.

Provide an alternatives analysis for the proposed water withdrawal project, including the required range of alternatives to be analyzed; a narrative outlining the opportunities and status of regional efforts undertaken; and the criteria used to evaluate each alternative. The analysis must address all of the criteria contained in 9VAC25-360.

Describe any existing, flow-dependent beneficial uses along the affected stream reach. Include both instream and offstream uses. Describe the stream flow necessary to protect existing beneficial uses, how the proposed withdrawal will impact existing beneficial uses, and any measures proposed to mitigate any adverse impacts that may arise. For projects that propose a transfer of water resources from the Chowan River, New River, Potomac River, Roanoke River, Big Sandy River, or Tennessee River basins to another river basin, this analysis should include both the source and receiving basins. For the purposes of this application, beneficial instream uses include, but are not limited to, the protection of fish and wildlife habitat; maintenance of waste assimilation; recreation; navigation; and cultural and aesthetic values. Offstream beneficial uses include, but are not limited to, domestic uses (including public water supply); agricultural uses; electric power generation; commercial uses; and industrial uses.

Describe the aquatic life known to be present along the affected stream reach. Describe aquatic life that may be impacted by the proposed water withdrawal. Include the species' habitat requirements. For projects that propose a transfer of water resources from either the Chowan River, New River, Potomac River, Roanoke River, Big Sandy River, or Tennessee River basins to another river basin, this analysis should include both the source and receiving basins.

26. PUBLIC COMMENTS/ISSUES FOR MAJOR WATER WITHDRAWALS OR INTERBASIN TRANSFERS

For new or expanded surface water supply projects, use separate sheets of paper to summarize the steps taken to seek public input per 9VAC25-210-320, and identify the issues raised during the public information process.

For transfer of water resources proposed from either the Chowan River, New River, Potomac River, Roanoke River, Big Sandy River, or Tennessee River basins to another river basin, if public input was not required per 9VAC25-210-320, summarize on separate sheets of paper any coordination and/or notice provided to the public, local/state government, and interested parties in the affected river basins and identify any issues raised.

APPENDIX A

Adjacent Property Owner's Acknowledgement Form

I, _____, own land next to/ across the water from/ in the same cove
(print adjacent property owner's name)

as the land of _____.
(print applicant's name)

I have reviewed the applicant's project drawings dated _____ to be submitted for all
(date of drawings)

necessary federal, state, and local permits.

_____ I have no comment regarding the proposal

_____ I do not object to the proposal

_____ I object to the proposal

The applicant has agreed to contact me for additional comments if the proposal changes prior to construction of the project.

(Before signing this form, please be sure that you have checked the appropriate option above)

_____
Adjacent property owner's signature

_____
Date

NOTE: IF YOU OBJECT TO THE PROPOSAL, THE REASON(S) YOU OPPOSE THE PROJECT MUST BE SUBMITTED TO VMRC IN WRITING. AN OBJECTION WILL NOT NECESSARILY RESULT IN A DENIAL OF A PERMIT FOR THE PROPOSED WORK. HOWEVER, VALID COMPLAINTS WILL BE GIVEN FULL CONSIDERATION DURING THE PERMIT REVIEW PROCESS.

APPENDIX A

Adjacent Property Owner's Acknowledgement Form

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_____
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Dredged Material Management Plan

Folly Creek Maintenance Dredging

Folly Creek, located on the seaside of the Eastern Shore in the County of Accomack, requires maintenance dredging to restore navigability.

This Dredged Material Management Plan (DMMP) summarizes the existing conditions, materials to be dredged, volumes to be dredged, dredging methods and placement of the dredged material. The permit requests dredging an approximate 5,000 linear feet of Folly Creek from Folly Creek boat ramp to the east. The dredged material is proposed to be placed within an upland placement area to be selected by the contractor.

Existing Conditions. Condition surveys, as shown on the permit drawings, show shoaling along this channel and the need for dredging of this shallow draft navigation channel.

Material to be Dredged. Vibracores and soil gradation testing have been completed and are attached for reference. The vibracores, within the vicinity of the proposed dredging reach, consist of predominately fine-grained material classified as clay (CH) and sandy clay (CL), with fines ranging from 70% to 96%.

Channel Dimensions and Volumes. The selected channel bottom width is 60 feet with assumed side slopes of 3:1 (Horizontal:Vertical). The alignment of the dredging extents in plan view can be found in the drawings. A dredge depth of -6 feet MLLW was selected based on other adjacent shallow draft navigation projects. With a 1-foot allowable paid overdepth, and 1-foot of non-pay overdepth shown. Providing for the requested maximum dredging template is to -8 feet MLLW. The estimated volume to be dredged within the paid template (to -7 feet MLLW) is 9,100 Cubic Yards, and 17,200 Cubic Yards if dredged to maximum allowable of -8 feet MLLW.

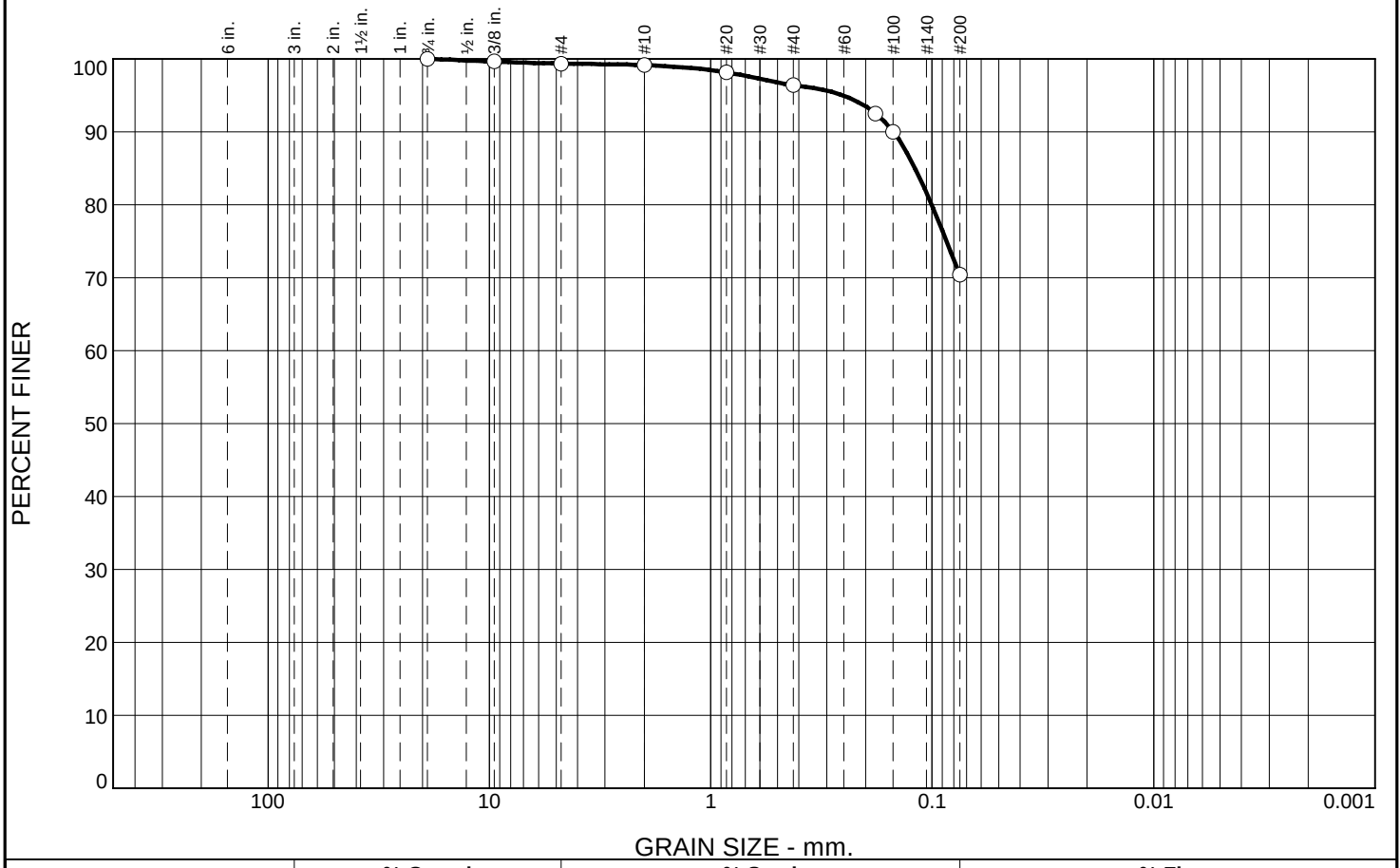
Equipment. Dredging is expected to be completed by mechanical dredging. As shown on the permit, the expected transfer site, to move material from barge/scow to truck, is the Folly Creek boat ramp, owned by the County of Accomack County. Mats will be used for access; the wetlands will be replanted as necessary to restore the existing vegetation.

Mechanical Dredging

- Deck (or flat-top) barges (for excavator) and hopper barges (for transporting dredged material to offload areas)
- Long-reach (estimated up to 60-foot) excavator on barge.
- Powered boat/tug for pushing barges.

Placement Area. Dredge material would be trucked to the permittable contractor selected upland placement area and unloaded within the designated area.

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.7	0.2	2.7	26.0	70.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75	100.0		
.375	99.6		
#4	99.3		
#10	99.1		
#20	98.1		
#40	96.4		
#80	92.5		
#100	90.0		
#200	70.4		

* (no specification provided)

Soil Description

Gray, Sandy Lean CLAY

Atterberg Limits

PL= 18 LL= 43 PI= 25

Coefficients

D_{90}= 0.1500 D_{85}= 0.1196 D_{60}=
D_{50}= D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= CL AASHTO= A-7-6(16)

Remarks

Natural Moisture = 56.0%

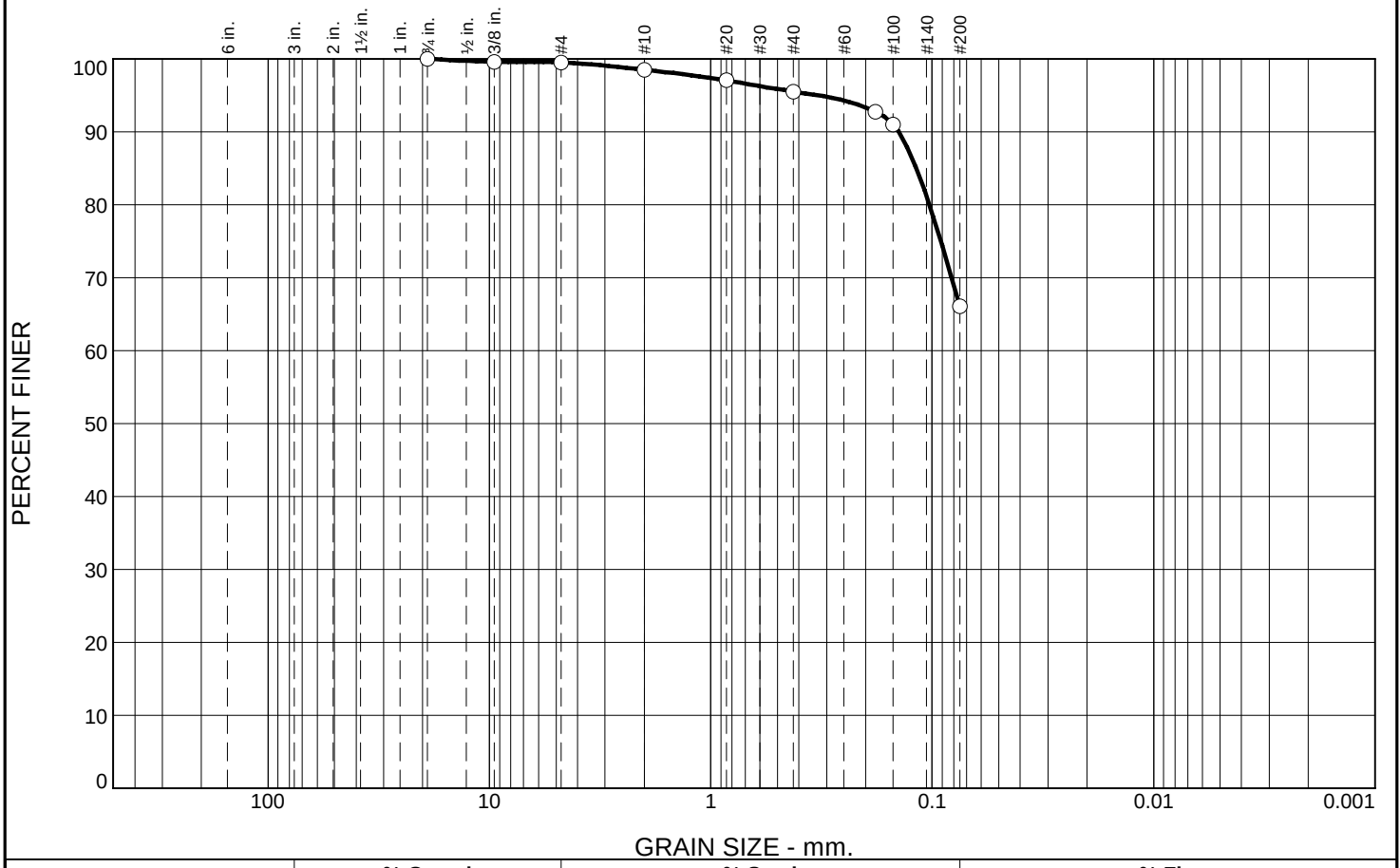
Location: VC-FC-08
Sample Number: VC-FC-08 **Date:**

Terracon

Client: Moffat & Nichol
Project: Folly Creek Dredge

Project No: K3217106 **Figure** 33A

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.5	1.0	3.0	29.4	66.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75	100.0		
.375	99.6		
#4	99.5		
#10	98.5		
#20	97.0		
#40	95.5		
#80	92.7		
#100	91.0		
#200	66.1		

* (no specification provided)

Soil Description

Gray, Sandy Fat CLAY

Atterberg Limits

PL= 34 LL= 84 PI= 50

Coefficients

D_{90}= 0.1419 D_{85}= 0.1179 D_{60}=
D_{50}= D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= CH AASHTO= A-7-5(33)

Remarks

Natural Moisture = 71.2%

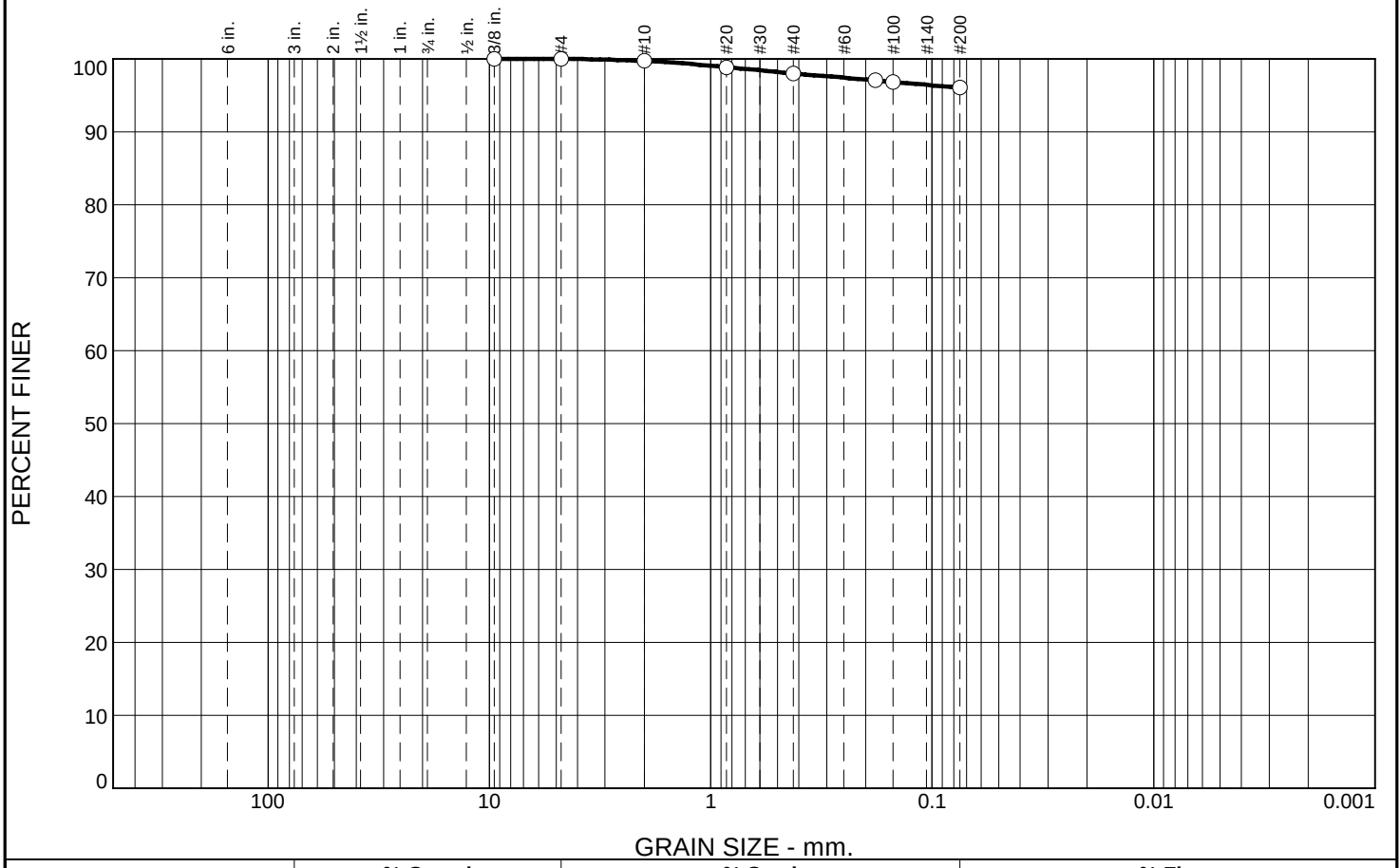
Location: VC-FC-09
Sample Number: VC-FC-09 **Date:**

Terracon

Client: Moffat & Nichol
Project: Folly Creek Dredge

Project No: K3217106 **Figure** 34A

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.3	1.7	2.0	96.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	100.0		
#10	99.7		
#20	98.8		
#40	98.0		
#80	97.0		
#100	96.8		
#200	96.0		

* (no specification provided)

Soil Description

Gray, Fat CLAY

Atterberg Limits

PL= 29 LL= 68 PI= 39

Coefficients

D_{90}= D_{85}= D_{60}=
D_{50}= D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= CH AASHTO= A-7-6(44)

Remarks

Natural Moisture = 63.1%

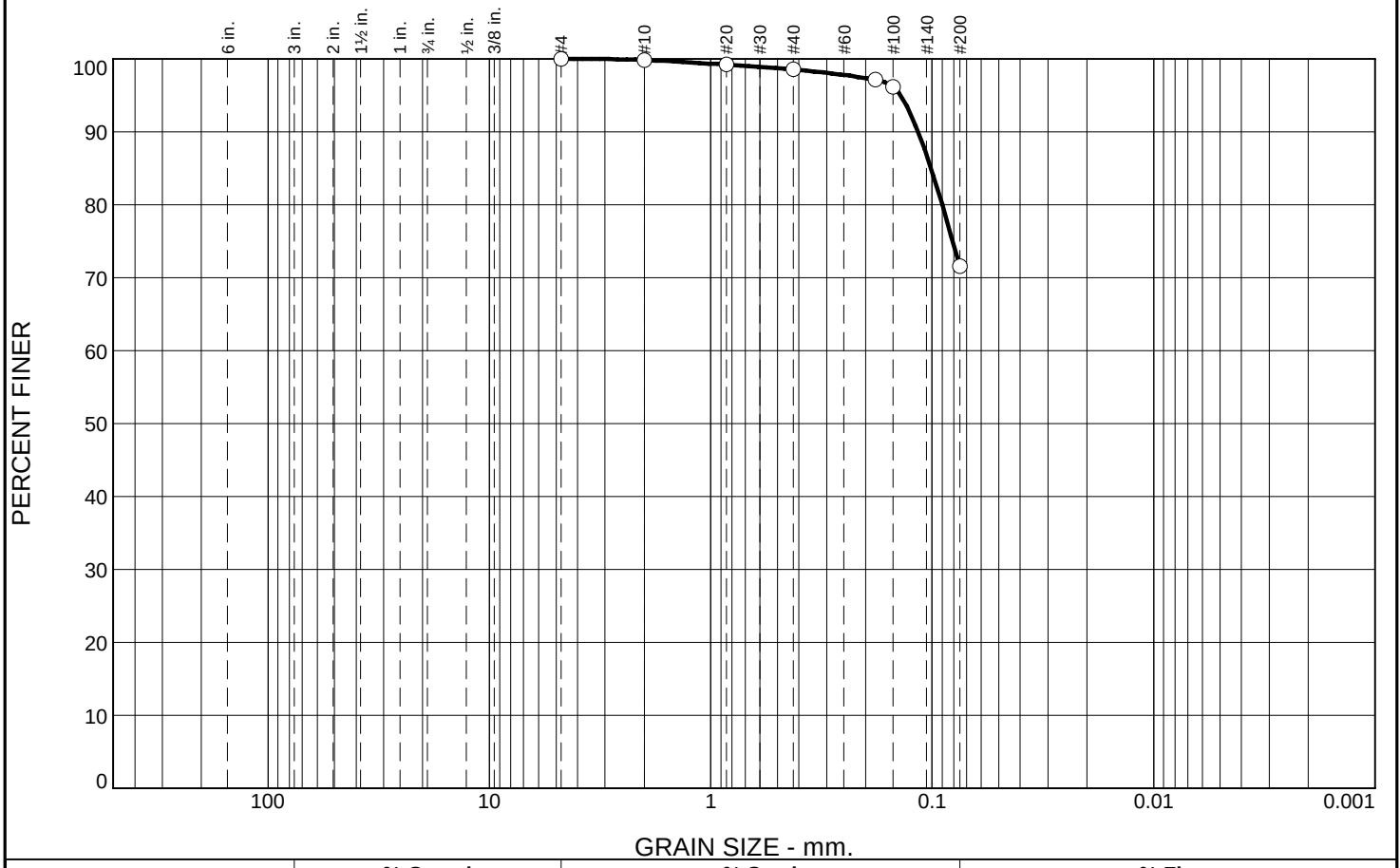
Location: VC-FC-10
Sample Number: VC-FC-10 **Date:**

Terracon

Client: Moffat & Nichol
Project: Folly Creek Dredge

Project No: K3217106 **Figure** 35A

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.2	1.3	27.0	71.5	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	99.8		
#20	99.2		
#40	98.5		
#80	97.1		
#100	96.1		
#200	71.5		

* (no specification provided)

Soil Description

Gray, Fat CLAY with Sand

Atterberg Limits

PL= 26 LL= 61 PI= 35

Coefficients

D_{90}= 0.1156 D_{85}= 0.1011 D_{60}=
D_{50}= D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= CH AASHTO= A-7-6(26)

Remarks

Natural Moisture = 60.2%

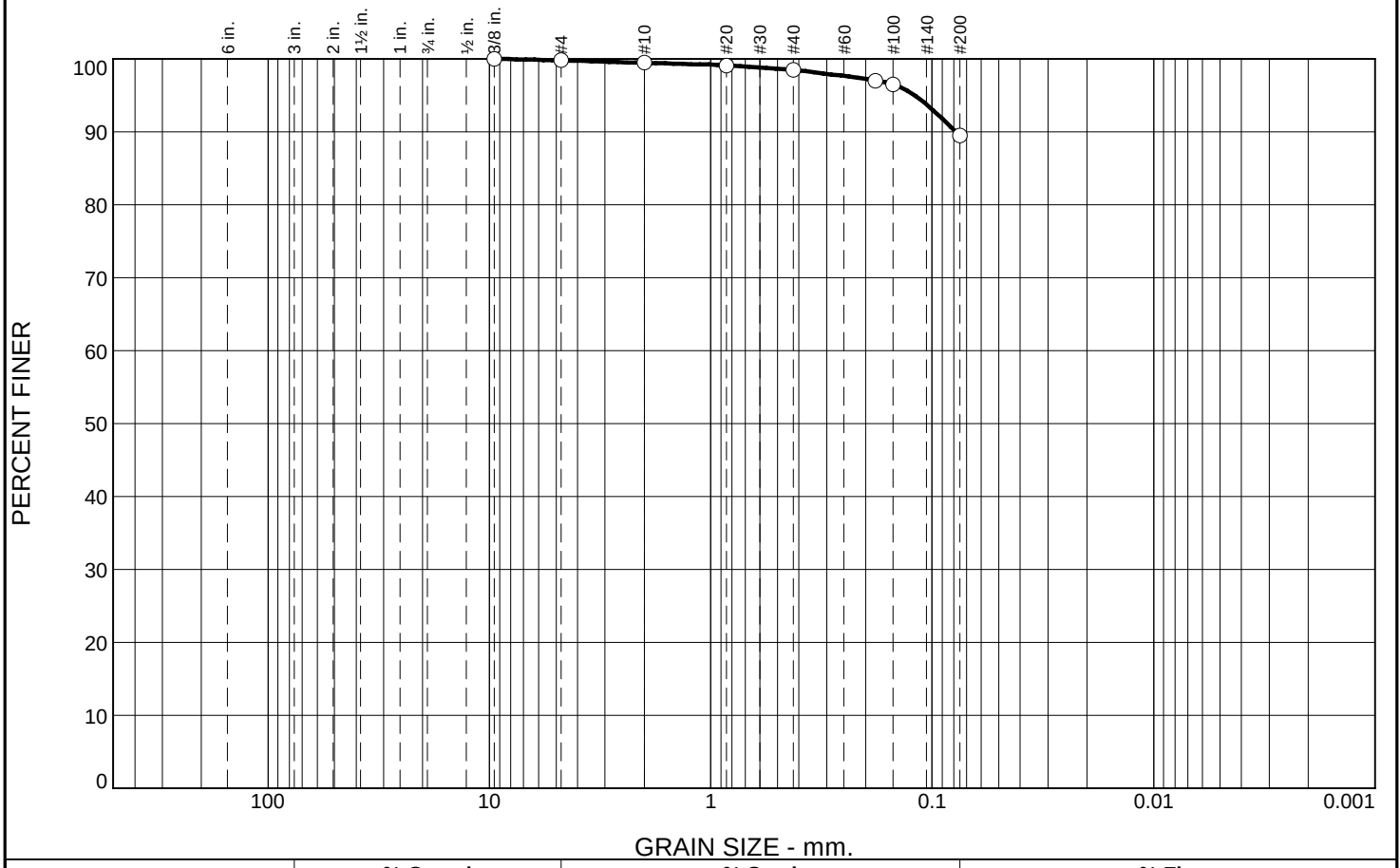
Location: VC-FC-11
Sample Number: VC-FC-11 **Date:**

Terracon

Client: Moffat & Nichol
Project: Folly Creek Dredge

Project No: K3217106 **Figure** 36A

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.2	0.4	1.0	8.9	89.5	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375	100.0		
#4	99.8		
#10	99.4		
#20	99.1		
#40	98.4		
#80	97.0		
#100	96.5		
#200	89.5		

* (no specification provided)

Soil Description

Gray, Fat CLAY

Atterberg Limits

PL= 33 LL= 82 PI= 49

Coefficients

D_{90}= 0.0782 D_{85}= D_{60}=
D_{50}= D_{30}= D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= CH AASHTO= A-7-5(52)

Remarks

Natural Moisture = 76.2%

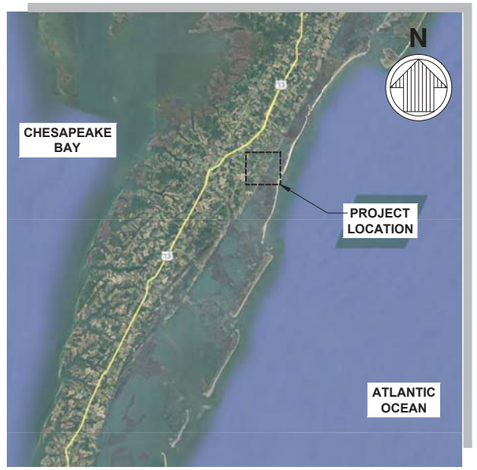
Location: VC-FC-13
Sample Number: VC-FC-13 **Date:**

Terracon

Client: Moffat & Nichol
Project: Folly Creek Dredge

Project No: K3217106 **Figure** 38A

THE COUNTY OF ACCOMACK, VA
DREDGING
FOR
FOLLY CREEK
ACCOMACK-NORTHAMPTON PLANNING DISTRICT COMMISSION (A-NPDC)



VICINITY MAP
NTS

Sheet List Table		
INDEX	SHEET NUMBER	SHEET TITLE
1	G-001	TITLE SHEET, LOCATION MAP AND INDEX OF SHEETS
2	C-100	OVERALL LOCATION MAP
3	C-101	FOLLY CREEK BOAT RAMP TRANSFER AREA
4	C-102	MAINTENANCE DREDGING PLAN - SHEET 1 OF 5
5	C-103	MAINTENANCE DREDGING PLAN - SHEET 2 OF 5
6	C-104	MAINTENANCE DREDGING PLAN - SHEET 3 OF 5
7	C-105	MAINTENANCE DREDGING PLAN - SHEET 4 OF 5
8	C-106	MAINTENANCE DREDGING PLAN - SHEET 5 OF 5
9	C-301	TYPICAL SECTIONS

LOCATION PLAN
NTS

FOR PERMITS
ISSUED: 2024-12-09
NOT TO BE USED FOR CONSTRUCTION

Mark	Description	Date	Appr.

FOLLY CREEK
WATERWAY MAINTENANCE/
CHANNEL DREDGING
THE COUNTY OF ACCOMACK , VA

TITLE SHEET, LOCATION
MAP AND INDEX OF SHEETS

Rev. –
Date: DEC 09, 2024
M&N Project No. 201429-05
Drawing code:
Drawing Scale:
Plot scale: 1:1 (0 SHEET)
Designed by: GS
Dwn by: ILC
Cad by: IB
Reviewed by: IB
Submitted by: MOFFATT & NICHOL

101 W. MAIN STREET #3000
NORFOLK, VA 23510
757-628-8222
moffatt & nichol

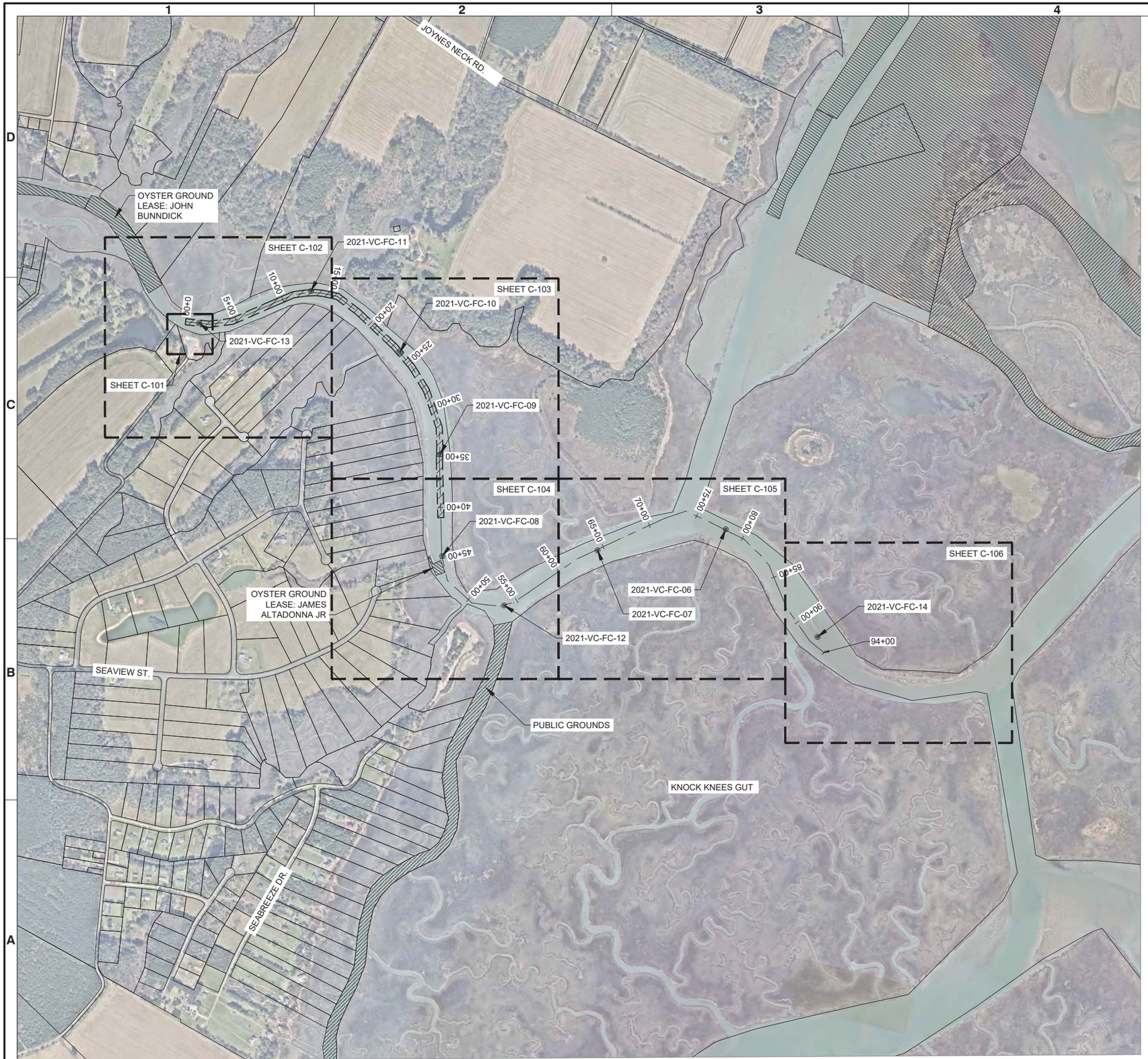
PREPARED FOR:
THE COUNTY OF ACCOMACK, VA

SEAL

Sheet Reference No.
G-001
INDEX: 1 OF 9

File: Q:\NOR\201429-05\20 CADD_Active_SheetSet\20142905G-001 - Plotted: 12/9/2024 12:27 PM by CAMPBELL, IRA - Saved: 12/6/2024 10:45 AM by ICAMPBELL

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING



LEGEND

- PROPERTY LINES
- CENTERLINE
- DREDGE AREA
- AQUACULTURE LEASE AREA (PRIVATE)
- AQUACULTURE LEASE AREA (PUBLIC)
- 2021-VC-FC-## ◉ VIBRACORE LOCATION, SEE APPENDIX FOR DETAILS

VIBRACORE POINT TABLE

VC	Easting (ft)	Northing (ft)
2021-VC-FC-01	12325037.78	3788806.16
2021-VC-FC-02	12324201.41	3788455.65
2021-VC-FC-03	12323616.12	3787904.23
2021-VC-FC-04	12322926.21	3787365.63
2021-VC-FC-05	12321318.86	3786536.99
2021-VC-FC-06	12317826.30	3786943.99
2021-VC-FC-07	12316569.40	3786737.92
2021-VC-FC-08	12315046.59	3786682.51
2021-VC-FC-09	12315025.70	3787679.69
2021-VC-FC-10	12314631.20	3788679.55
2021-VC-FC-11	12313758.08	3789281.13
2021-VC-FC-12	12315652.90	3786197.90
2021-VC-FC-13	12312663.14	3788969.47
2021-VC-FC-14	12318726.49	3785889.00

N

500' 0' 500' 1000'

SCALE: 1"=500'

FOR PERMITS
ISSUED: 2024-12-09
NOT TO BE USED FOR CONSTRUCTION

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

Mark	Description	Date	Appr.

FOLLY CREEK WATERWAY MAINTENANCE/ CHANNEL DREDGING THE COUNTY OF ACCOMACK , VA

OVERALL LOCATION MAP

Date: DEC. 09, 2024 | Rev. –
Designed by: GS | M&N Project No. 20142g-05
Dwn by: ILC | Ckd by: IB | Drawing code:
Reviewed by: IB | Drawing Scale:
Submitted by: MOFFATT & NICHOL | Plot scale: 1:1 (0 SHEET)

101 W. MAIN STREET #3000
NORFOLK, VA 23510
757-628-8222

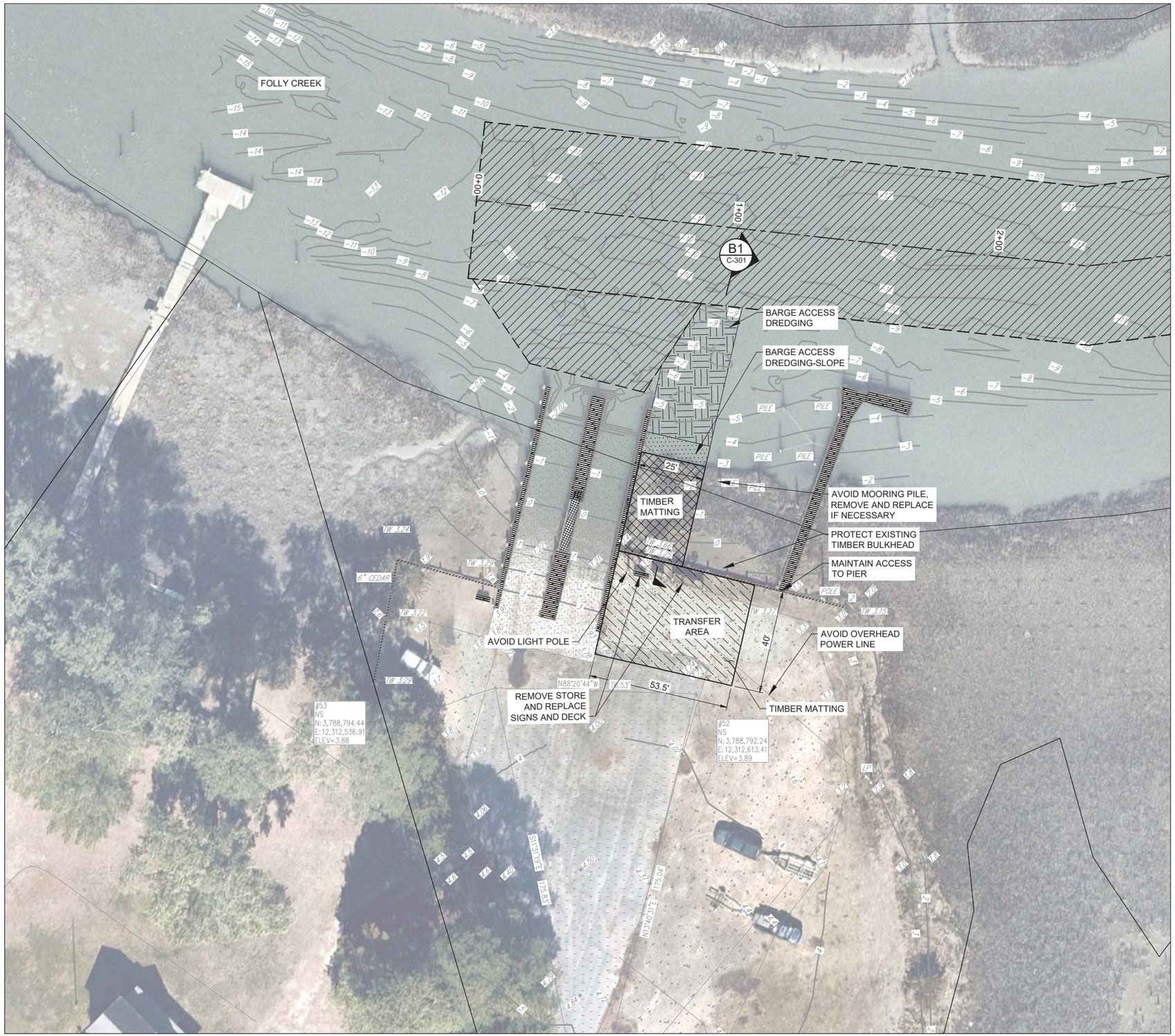
moffatt & nichol

PREPARED FOR:
THE COUNTY OF ACCOMACK, VA

SEAL

Sheet Reference No.
C-100
INDEX: 2 OF 9

File: Q:\NOR\20142g-05\20 CADD_Active_SheetSet\20142g05 C-100 ; Plotted: 12/9/2024 12:27 PM by CAMPBELL, IRA ; Saved: 11/15/2024 7:39 AM by ICAMPBELL



LEGEND

- PROPERTY LINES
- CENTERLINE
- DREDGE AREA,
- TIMBER MATTING
- TRANSFER AREA

WORKING POINT TABLE

(SEE DREDGING PLAN SHEETS FOR LOCATIONS)

WP	Easting (ft)	Northing (ft)
WP-01	12312529.69	3788980.51
WP-02	12312762.85	3788955.39
WP-03	12312989.12	3788984.91
WP-04	12313385.91	3789158.75
WP-05	12313581.83	3789243.48
WP-06	12313700.19	3789261.11
WP-07	12313805.39	3789266.03
WP-08	12313870.83	3789259.43
WP-09	12314020.08	3789228.39
WP-10	12314219.24	3789077.44
WP-11	12314580.55	3788735.69
WP-12	12314747.67	3788539.16
WP-13	12314890.70	3788308.16
WP-14	12315016.95	3787942.40
WP-15	12315020.24	3787786.30
WP-16	12315022.88	3787753.11
WP-17	12315019.10	3787606.12
WP-18	12315033.05	3787059.12

SITE RESTORATION NOTES:

1. TIMBER MATTING AREA. UPON COMPETION OF THE DREDGING, AND REMOVAL OF THE TIMBER MATING, THE IMPACTED AREA SHALL BE RE-GRADED, WITH CLEAN SAND ADDED AS NECESSARY TO RESTORE TO PRE-CONSTRUCTION ELEVATIONS/GRADES. ONCE GRADED THE DISTURBED AREA SHALL BE PLANTED WITH SPARTINA ALTERNIFLORA AT 1.5' ON CENTER SPACING. PLUGS SHALL BE 2" WITH A MIN STEM HEIGHT OF 10".

N

20' 0' 20' 40'

SCALE: 1"=20'

FOR PERMITS
ISSUED: 2024-12-09
NOT TO BE USED FOR CONSTRUCTION

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

ACCOMACK NORTHAMPTON Virginia's Eastern Shore

Mark	Description	Date	Appr.

FOLLY CREEK WATERWAY MAINTENANCE/ CHANNEL DREDGING THE COUNTY OF ACCOMACK , VA

FOLLY CREEK BOAT RAMP TRANSFER AREA

Rev. 1
Date: DEC 09, 2024
M&N Project No. 201429-05
Drawing code:
Designed by: GS
Dwn by: ILC
Chd by: IB
Reviewed by: IB
Drawing Scale:
Submitted by: MOFFATT & NICHOL
Plot scale: 1:1 (0 SHEET)

101 W. MAIN STREET #3000
NORFOLK, VA 23510
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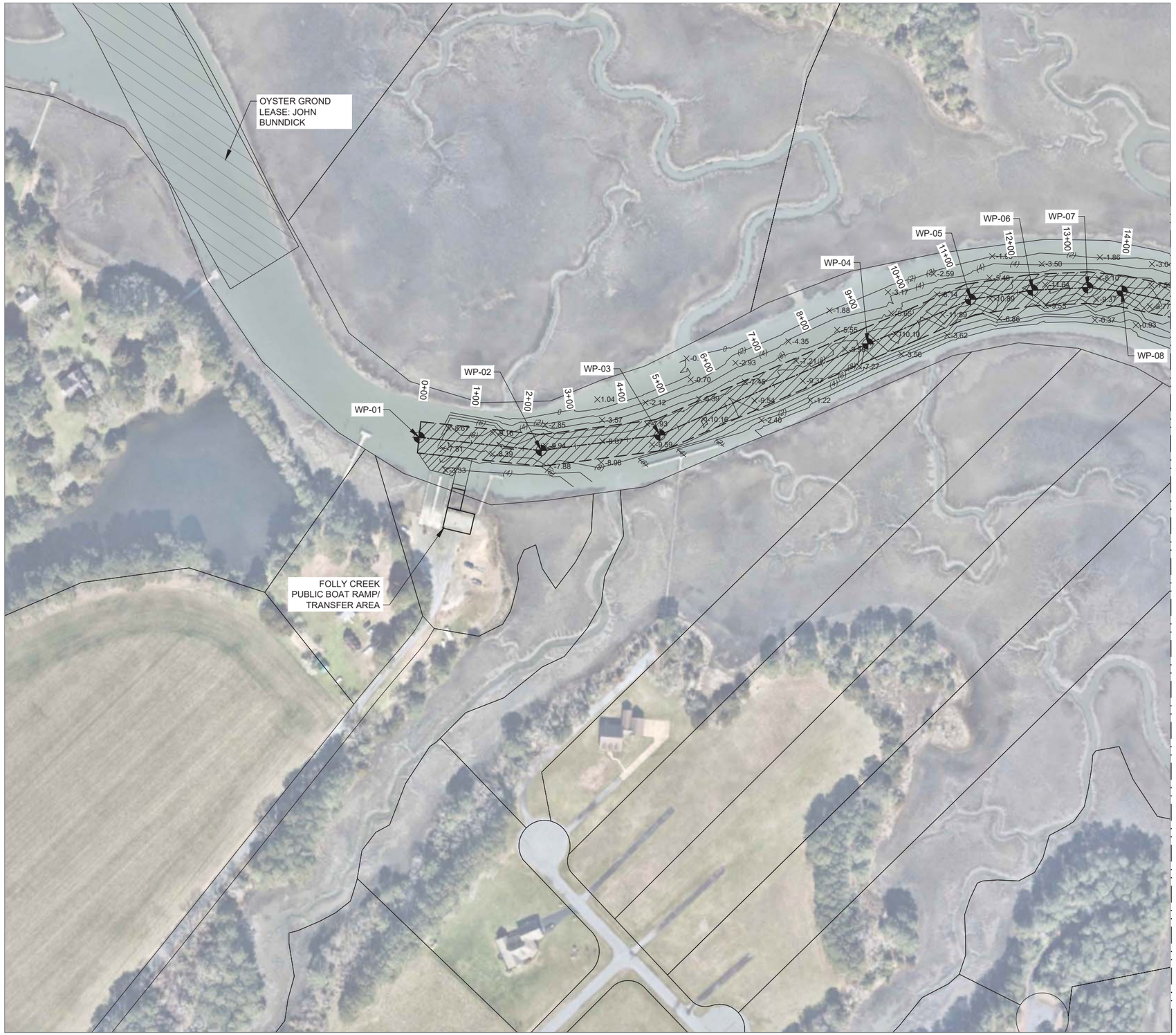
moffatt & nichol

PREPARED FOR:
THE COUNTY OF ACCOMACK, VA

SEAL

Sheet Reference No.
C-101
INDEX: 3 OF 9

File: Q:\NOR\201429-05\20 CADD_Active_SheetSet\20142905 CG-101 - Plotted: 12/9/2024 12:28 PM by CAMPBELL, IRA - Saved: 12/9/2024 12:27 PM by ICAMPBELL



MATCHLINE: SHEET C-103

LEGEND

- CHANNEL CENTERLINE
- PROPERTY LINES
- (X) CONTOUR LINES
- X.XX SPOT ELEVATIONS
- DREDGE AREA
- AQUACULTURE LEASE AREA (PRIVATE)
- WORKING POINTS, SEE SHEET C-101 FOR TABLE

SURVEY NOTES:

1. HORIZONTAL CONTROL IS BASED ON VIRGINIA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 1983/1993 (HARN), US SURVEY FEET.
2. ALL ELEVATIONS SHOWN HEREON ARE NEGATIVE VALUES UNLESS OTHERWISE NOTED.
3. ELEVATIONS ARE IN FEET BASED ON NOS MEAN LOWER-LOW WATER (MLLW), 1983-2001 NTDE.
4. THE HYDROGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF DAVE BERNSTEIN FROM AN ACTUAL SURVEY MADE UNDER HIS SUPERVISION. THAT ORIGINAL DATA WAS OBTAINED IN MARCH AND APRIL OF 2021. THIS MAP DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.
5. SOURCE OF BACKGROUND IMAGE IS WWW.NEARMAPS.COM.

N

100' 0' 100' 200'

SCALE: 1"=100'

FOR PERMITS
ISSUED: 2024-12-09
NOT TO BE USED FOR CONSTRUCTION

ACCOMACK NORTHAMPTON Virginia's Eastern Shore

Mark	Description	Date	Appr.

FOLLY CREEK WATERWAY MAINTENANCE/ CHANNEL DREDGING THE COUNTY OF ACCOMACK , VA

MAINTENANCE DREDGING PLAN - SHEET 1 OF 5

Date: DEC. 09, 2024 | Rev. -
M&N Project No. 20142905
Drawing code:
Drawing Scale: Plot scale: 1:1 (0 SHEET)
Designed by: GS | Dwn by: ILC | Chd by: IB
Reviewed by: IB | Submitted by: MOFFATT & NICHOL

101 W. MAIN STREET #3000
NORFOLK, VA 23510
757-628-8222
moffatt & nichol

PREPARED FOR:
THE COUNTY OF ACCOMACK, VA

SEAL

Sheet Reference No.
C-102
INDEX: 4 OF 9

File: Q:\NOR\20142905\20 CADD_Active_SheetSet\20142905C-101-107 - Plotted: 12/9/2024 12:28 PM by CAMPBELL, IRA - Saved: 12/9/2024 12:11 PM by ICAMPBELL

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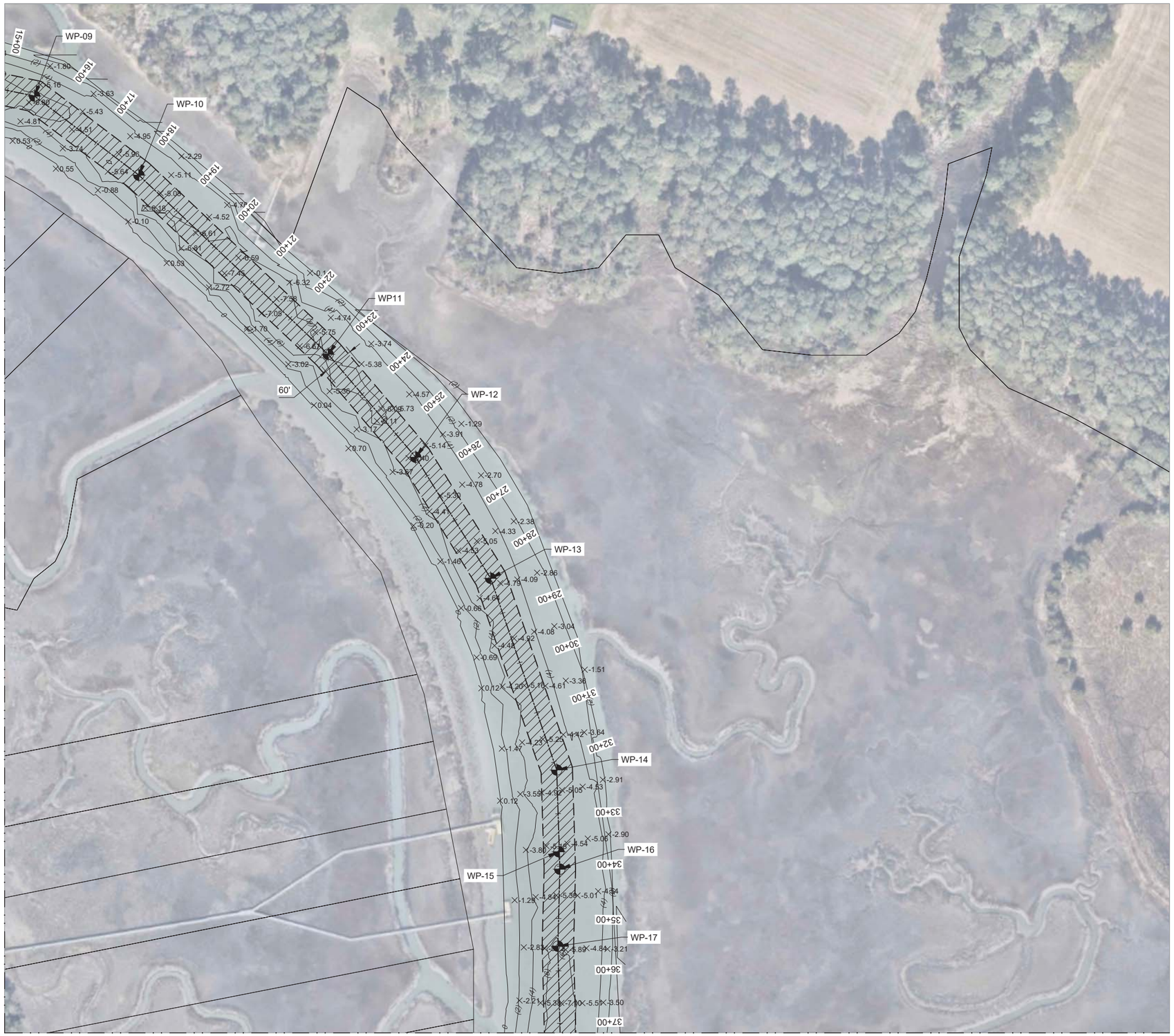

LEGEND

- CHANNEL CENTERLINE
- PROPERTY LINES
- (X) CONTOUR LINES
- X.XX SPOT ELEVATIONS
- DREDGE AREA
- WORKING POINTS, SEE SHEET C-101 FOR TABLE

N

100' 0' 100' 200'

SCALE: 1"=100'

FOR PERMITS
ISSUED: 2024-12-09
NOT TO BE USED FOR CONSTRUCTION

Mark	Description	Date	Appr.

FOLLY CREEK WATERWAY MAINTENANCE/ CHANNEL DREDGING THE COUNTY OF ACCOMACK , VA

MAINTENANCE DREDGING PLAN - SHEET 2 OF 5

101 W. MAIN STREET #3000
NORFOLK, VA 23510
757-628-8222
moffatt & nichol

PREPARED FOR:
THE COUNTY OF ACCOMACK, VA

Designed by: GS	Cad by: IB
Dwn by: ILC	Reviewed by: IB
Submitted by: MOFFATT & NICHOL	Drawing Scale: Plot scale: 1:1 (0 SHEET)
Date: DEC 09, 2024	M&N Project No: 201429-05
Drawing code:	Rev. -

SEAL

Sheet Reference No.
C-103
INDEX: 5 OF 9

File: Q:\NOR\201429-05\20 CADD_Active_ Sheet\Set\201429055C-101-107 ; Plotted: 12/9/2024 12:28 PM by CAMPBELL, IRA ; Saved: 12/9/2024 12:11 PM by ICAMPBELL

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

MATCHLINE: SHEET C-103

MATCHLINE: SHEET C-105

OYSTER GROUND LEASE: JAMES ALTADONNA JR

WP-18

38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00

LEGEND

- CHANNEL CENTERLINE
- PROPERTY LINES
- (X) CONTOUR LINES
- DREDGE AREA
- AQUACULTURE LEASE AREA (PUBLIC)
- AQUACULTURE LEASE AREA (PRIVATE)
- WORKING POINTS, SEE SHEET C-101 FOR TABLE

N

100' 0' 100' 200'

SCALE: 1"=100'

FOR PERMITS
ISSUED: 2024-12-09
NOT TO BE USED FOR CONSTRUCTION

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

ACCOMACK NORTHAMPTON Virginia's Eastern Shore

Mark	Description	Date	Appr.

FOLLY CREEK WATERWAY MAINTENANCE/ CHANNEL DREDGING THE COUNTY OF ACCOMACK , VA

MAINTENANCE DREDGING PLAN - SHEET 3 OF 5

Designed by: GS	Cad by: IB	Date: DEC. 09, 2024	Rev. 1
Dsn by: ILC	Reviewed by: IB	M&N Project No. 20142g-05	Drawing code:
Submitted by: MOFFATT & NICHOL		Drawing Scale: Plot scale: 1:1 (0 SHEET)	

101 W. MAIN STREET #3000
NORFOLK, VA 23510
757-828-8222
moffatt & nichol

PREPARED FOR:
THE COUNTY OF ACCOMACK, VA

SEAL

Sheet Reference No.
C-104
INDEX: 6 OF 9

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LEGEND

- CHANNEL CENTERLINE
- PROPERTY LINES
- (X) CONTOUR LINES
- X.XX SPOT ELEVATIONS
- DREDGE AREA

N

100' 0' 100' 200'

SCALE: 1"=100'

FOR PERMITS
ISSUED: 2024-12-09
NOT TO BE USED FOR CONSTRUCTION

Mark	Description	Date	Appr.

FOLLY CREEK
WATERWAY MAINTENANCE/
CHANNEL DREDGING
THE COUNTY OF ACCOMACK , VA

MAINTENANCE
DREDGING PLAN - SHEET
4 OF 5

101 W. MAIN STREET #3000
NORFOLK, VA 23510
757-628-8222
moffatt & nichol

PREPARED FOR:
THE COUNTY OF ACCOMACK, VA

Designed by: GS	Date: DEC 09, 2024
Dwn by: ILC	Ckd by: IB
Reviewed by: IB	M&N Project No. 201429-05
Submitted by: MOFFATT & NICHOL	Drawing code:
Plot scale: 1:1 (0 SHEET)	Drawing Scale:

Rev. -

SEAL

Sheet Reference No.
C-105
INDEX: 7 OF 9

File: Q:\NOR\201429-05\20 CADD_Active_ SheetSet\201429305C-101-107.; Plotted: 12/9/2024 12:29 PM by CAMPBELL, IRA ; Saved: 12/9/2024 12:11 PM by ICAMPBELL

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

LEGEND

- CHANNEL CENTERLINE
- PROPERTY LINES
- (X) CONTOUR LINES
- X.XX SPOT ELEVATIONS
- DREDGE AREA

N

100' 0' 100' 200'

SCALE: 1"=100'

FOR PERMITS
ISSUED: 2024-12-09
NOT TO BE USED FOR CONSTRUCTION

ACCOMACK NORTHAMPTON
Virginia's Eastern Shore

Mark	Description	Date	Appr.

FOLLY CREEK WATERWAY MAINTENANCE/ CHANNEL DREDGING THE COUNTY OF ACCOMACK , VA

MAINTENANCE DREDGING PLAN - SHEET 5 OF 5

101 W. MAIN STREET #3000
NORFOLK, VA 23510
757-628-8222
moffatt & nichol

PREPARED FOR:
THE COUNTY OF ACCOMACK, VA

Designed by: GS	Dwn by: ILC	Chkd by: IB	Reviewed by: IB
Date: DEC 09, 2024	M&N Project No. 201429-05	Drawing code:	
Submitted by: MOFFATT & NICHOL	Drawing Scale: Plot scale: 1:1 (@ SHEET)	Rev. –	

SEAL

Sheet Reference No.
C-106
INDEX: 8 OF 9

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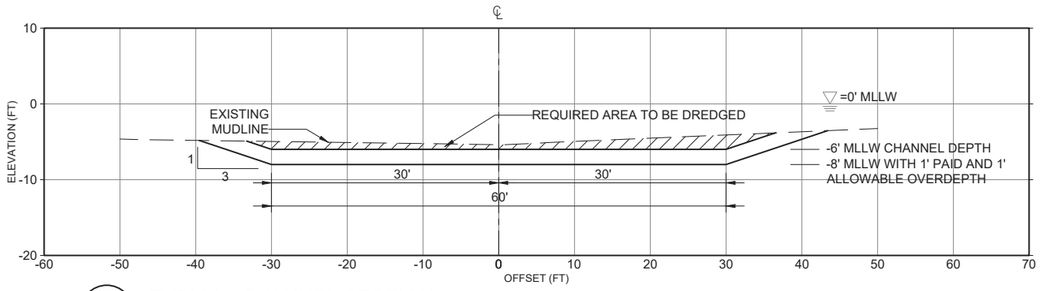
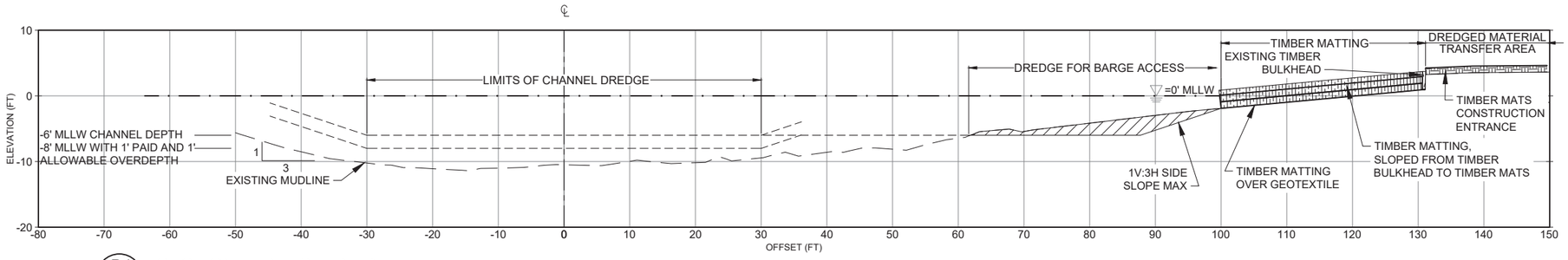


A-A TYPICAL CHANNEL SECTION

SCALE: 1" = 10'



B1 C-101 SECTION - TRANSFER AREA

SCALE: 1" = 10'

NOTE:

1. STABILIZE SLOPE PER BANK & SITE STABILIZATION NOTES ON CG-001.

LEGEND

DREDGE AREA

FOR PERMITS
ISSUED: 2024-12-09
NOT TO BE USED FOR CONSTRUCTION

ACCOMACK NORTHAMPTON Virginia's Eastern Shore

Mark	Description	Date	Appr.

FOLLY CREEK WATERWAY MAINTENANCE/ CHANNEL DREDGING THE COUNTY OF ACCOMACK , VA

TYPICAL SECTIONS

Rev.	–		
Date:	DEC 09, 2024	M&N Project No.	201429–05
Drawing code:			
Drawing Scale:	Plot scale: 1:1 (0 SHEET)		
Designed by:	GS	Cad by:	IB
Dwn by:	ILC	Reviewed by:	IB
Submitted by:	MOFFATT & NICHOL		

101 W. MAIN STREET #3000
NORFOLK, VA 23510
757-628-8222
moffatt & nichol

PREPARED FOR:
THE COUNTY OF ACCOMACK, VA

SEAL

Sheet Reference No.
C-301
INDEX: 7 OF 8

File: Q:\NOR\201429-05\20 CADD_Active_ SheetSet\201429305C-301 Plotted: 12/9/2024 12:30 PM by CAMPBELL, IRA ; Saved: 12/9/2024 12:23 PM by ICAMPBELL

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