

**Howell, Beth (MRC)**

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**From:** Owen, Randy (MRC)  
**Sent:** Tuesday, September 06, 2016 3:03 PM  
**To:** MRC - jpa Permits  
**Subject:** FW: Atlantic Coast Pipeline - Tidal Wetlands Determination Results  
**Attachments:** 160906 VMRC Tidal Wetlands Consultation - Out.pdf

Revision 15-1353

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**From:** Spencer Trichell (Services - 6) [<mailto:Spencer.Trichell@dom.com>]  
**Sent:** Tuesday, September 06, 2016 10:08 AM  
**To:** Owen, Randy (MRC)  
**Cc:** Richard B Gangle (Services - 6); Robert M Bisha (Services - 6); 'Wade Hammer'  
**Subject:** Atlantic Coast Pipeline - Tidal Wetlands Determination Results

Randy, I hope all is well. We have compiled the results of our site visits with you and follow-up field surveys to determine the extent of tidal jurisdiction on ACP. The attached document includes maps and tables indicating tidal wetlands and how we derived at the determination.

As you may have seen, FERC issued the Notice of Schedule for ACP indicating a June 30, 2017 final EIS. We will be filing a 404/401 supplement to VMRC and the Corps in early 2017 to update impact tables and maps for NWP 12 verification. We will indicate impacts to (and propose mitigation for) any tidal wetlands/waters in that supplement submittal.

In the meantime, please let us know if you have questions.

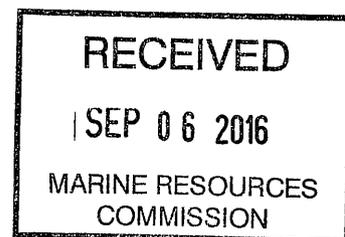
Regards,

**Spencer Trichell**  
**Environmental Consultant - Atlantic Coast Pipeline**  
**Dominion Resources Services, Inc.**  
*O:(804)-273-3472*  
*M:(804)-263-5980*  
*5000 Dominion Blvd, Glen Allen, VA 23060*  
[spencer.trichell@dom.com](mailto:spencer.trichell@dom.com)

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Dominion Resources Services, Inc.  
5000 Dominion Boulevard,  
Glen Allen, VA 23060



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By Virginia Marine Resources Commission at 3:14 pm, Sep 06, 2016

September 6, 2016

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**BY ELECTRONIC MAIL**

Mr. Randy Owen  
Virginia Marine Resources Commission Main Office  
2600 Washington Avenue, 3rd Floor  
Newport News, VA 23607

**Re: Atlantic Coast Pipeline – Virginia Marine Resources Commission, Local Wetlands Board  
Field Review Summary**

**Subject: Tidal Wetlands Determination**

Dear Mr. Owen:

Thank you for coordinating with the Atlantic Coast Pipeline, LLC (Atlantic) and Atlantic Coast Pipeline (ACP) project team members regarding tidal wetlands determinations within the ACP project area during site visits completed on November 30th, 2015 and May 4th, 2016. This letter, the enclosed table, and map set are being provided to summarize the results of correspondence and site visits associated with tidal wetlands determinations for the ACP.

Table 1 summarizes determinations made during site visits for tidal wetlands in the South Branch Elizabeth River Area. At approximate ACP milepost 81, the tidal range determination formula, described in a February 16th, 2016, email to Joe Holler, was used to determine the elevation of tidal influence. Based on the calculations, the upper end of the tidal range was determined to be 4.29 feet above mean sea level. Please see figure 1 and 2 (attached) for both an illustration of the elevations in the vicinity of wetland "wchro002" using LiDAR data to establish the contour lines, and an illustration of the tidal and non-tidal portions of wetland "wchro002" on aerial photographic background imagery.

**Table 1**

ACP Tidal Findings – South Branch Elizabeth River Area

Wetland ID	Milepost	VMRC Visit Date	Comment/Determination
wcho009e	79.9	11/30/2015	VMRC determined tidal
wcho010	80.1-80.8	11/30/2015	VMRC determined not tidal
wchro001e	80.4	11/30/2015	VMRC determined tidal
wchro002	80.8-81.0	11/30/2015	VMRC undetermined during field visit- Subsequent to field visit the elevation of tidal influence was determined based on the Money Point tidal recording station, and an elevation of 4.29 was

Table 1 ACP Tidal Findings – South Branch Elizabeth River Area			
Wetland ID	Milepost	VMRC Visit Date	Comment/Determination
			determined as the upper end of tidal influence.
scho012	81.0	05/04/2016	VMRC undetermined during field visit- Subsequent to field visit the elevation of tidal influence was determined based on the Money Point tidal recording station; an elevation of 4.29 was determined as the upper end of tidal influence. This ephemeral waterbody/ditch feature just north of wetland wchro002 is above the tidal influence as shown on Figures 1 and 2.
wcho012	81.0	05/04/2016	VMRC determined not tidal
ocho005	81.2	05/04/2016	VMRC determined no tidal agency jurisdiction-Not tidal
wcho014	81.2-81.7	05/04/2016	VMRC determined not tidal
wcho015	81.3	05/04/2016	VMRC determined not tidal
ocho004	81.5	05/04/2016	VMRC determined no tidal agency jurisdiction-Not tidal
wcho016e	81.7-81.8	05/04/2016	VMRC determined tidal
wcho017	81.8	05/04/2016	VMRC determined not tidal
schp001	81.8-82.0	11/30/2015	VMRC determined tidal
schp003	82.0-82.1	11/30/2015	VMRC determined not tidal
schp004	82.1-82.2	11/30/2015	VMRC determined not tidal
dchp004	82.1	11/30/2015	VMRC determined not tidal
nochp001	82.1	11/30/2015	VMRC determined not tidal
dchr008	82.3	11/30/2015	VMRC determined not tidal
schr007	82.4	11/30/2015	VMRC determined not tidal
wchb001	82.4	11/30/2015	VMRC determined not tidal

Table 2 depicts the tidal findings for the Nansemond River area. The wetlands delineated adjacent to the Nansemond River and West Branch of the Nansemond River will be avoided during construct of the ACP via the horizontal directional drill (HDD) method under these major tidally influenced water features. The waterbodies adjacent to these major tidally influenced water features were assumed tidal during project coordination with VMRC staff. Subsequent to earlier site visits, two additional wetlands in the proximity of the Nansemond River crossing have been delineated (wetlands wsuc112e and wsuc113e). Based on proximity to the tidally influenced river, and according to field data, Atlantic anticipates both wetlands are tidally influenced. Atlantic is prepared to complete a site visit to the two additional wetlands with VMRC staff if requested. However, if VMRC staff agrees to the preliminary findings that both wetlands are tidally influenced, then verification of findings included in this letter may be confirmed without need for an additional site visit.

Table 2 ACP Tidal Findings – Nansemond River Area			
Wetland ID	Milepost	VMRC Visit Date	Comment/Determination
wsup015e & f	63.6	N/A	Proposed to be drilled – Assumed tidal based on proximity to Nansemond River
ssup013	63.6	N/A	Proposed to be drilled – Assumed tidal based on proximity to Nansemond River

<b>Table 2</b>			
ACP Tidal Findings – Nansemond River Area			
Wetland ID	Milepost	VMRC Visit Date	Comment/Determination
nhd_va_c_047 & nwi_va_c_001	63.6 & 63.8	N/A	Desktop data utilized to fill in evident waterbody and wetlands occur between field confirmed boundaries; area around the West Branch of the Nansemond River crossing. Assumed Tidal
wsup018e	64.0	N/A	Proposed to be drilled – Assumed tidal based on proximity to Nansemond River
wsup019f	64.1	N/A	Proposed to be drilled – Assumed tidal based on proximity to Nansemond River
wsup017f	64.2	N/A	Proposed to be drilled – Assumed tidal based on proximity to Nansemond River
wsup016e & f	64.3	N/A	Proposed to be drilled – Assumed tidal based on proximity to Nansemond River
Nwi_va_c_002, nhd_va_c_048 & nwi_va_c_005	64.4 – 64.7	N/A	Desktop data utilized to fill in evident waterbody and wetlands occur between field confirmed boundaries; area around the Nansemond River crossing. Assumed Tidal
wsuc112e	64.8	N/A	Proposed to be drilled – Assumed tidal based on proximity to Nansemond River
wsuc113e	65.2	N/A	Assumed tidal based on proximity to Nansemond River and field survey results.

To further document the tidal wetlands determinations during site visits with VMRC staff and accounting of features listed in table 1 and table 2 above, Atlantic has included figure set 3 that illustrates the tidal wetlands within the Cities of Suffolk and Chesapeake along the ACP route.

Please contact Mr. Richard Gangle at (804)-273-2814 or at [Richard.b.gangle@dom.com](mailto:Richard.b.gangle@dom.com), if there are questions about the ACP project. Please direct written responses to:

Richard Gangle  
 Dominion Resources Services, Inc.  
 5000 Dominion Boulevard  
 Glen Allen, Virginia 23060

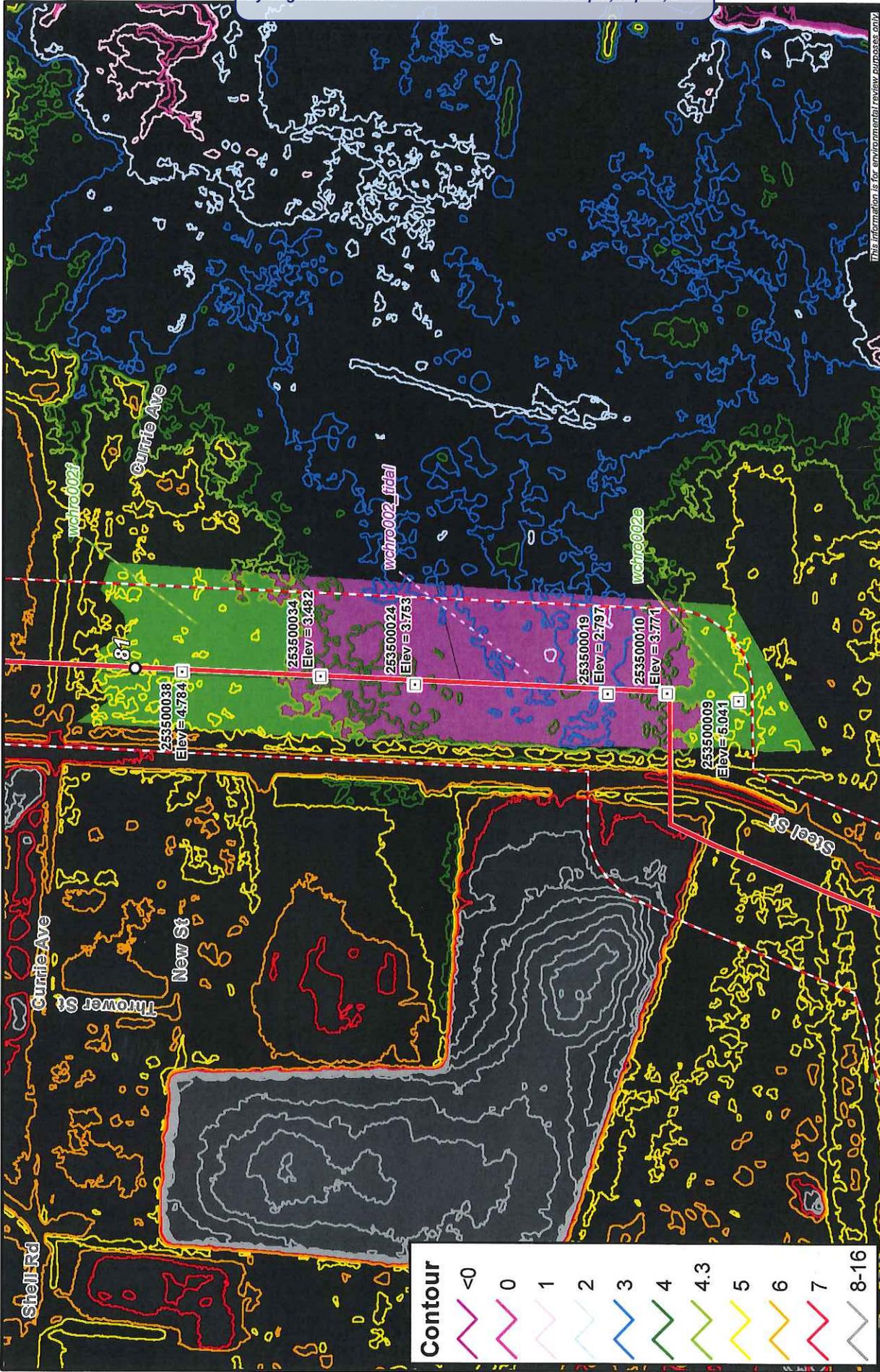
Sincerely,



Robert M. Bisha  
 Project Director, Atlantic Coast Pipeline  
 Dominion Environmental Services

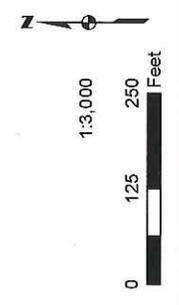
Enclosures:

- Figure 1 – VMRC Tidal Wetlands Determination; Elevation Contours for Wetland wchro002.
- Figure 2 – VMRC Tidal Wetlands Determination; Wetland wchro002 Tidal/Non-Tidal Areas.
- Figure Set 3 – VMRC Tidal Determination; Tidal Wetlands along the ACP Route



This information is for environmental review purposes only.

**Atlantic Coast Pipeline**  
**Figure 1**  
**VMRC Tidal Wetlands Determination**  
**Elevation Contours for Wetland wchro002**  
 Chesapeake County, Virginia



- Tidal Wetland
- Non-Tidal Wetland

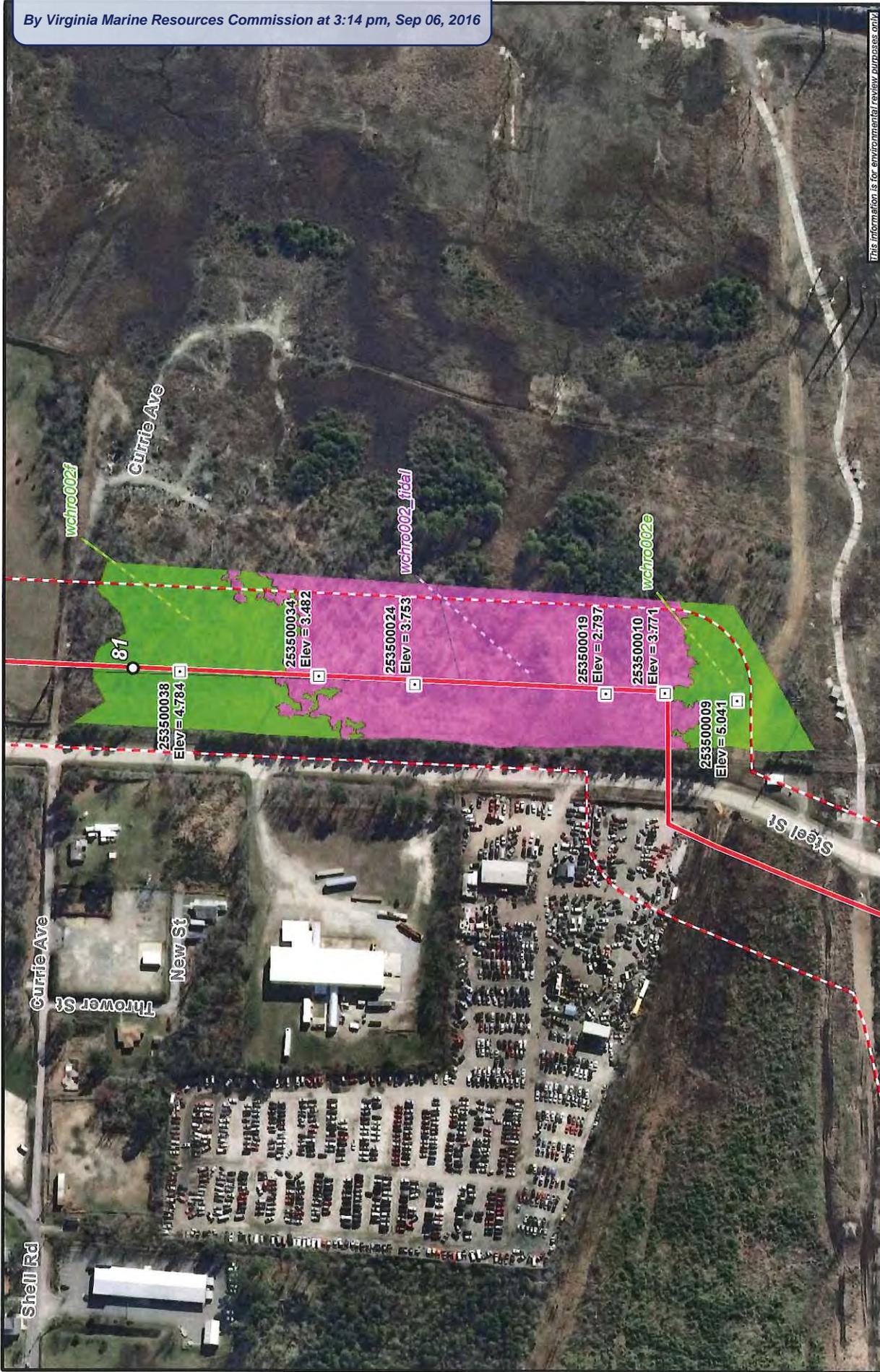
- Milepost
- Proposed Route
- Survey Corridor Boundary
- Flood Points

Contour	Symbol
<0	[Pink line]
0	[Red line]
1	[Orange line]
2	[Yellow line]
3	[Green line]
4	[Light Green line]
4.3	[Yellow-Green line]
5	[Yellow line]
6	[Orange line]
7	[Red line]
8-16	[Pink line]

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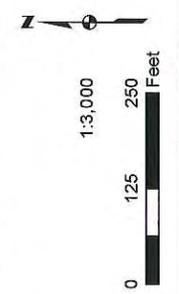


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**Atlantic Coast Pipeline**  
**Figure 2**  
**VMRC Tidal Wetlands Determination**  
 Wetland wchro002 Tidal/Non-Tidal Areas  
 Chesapeake County, Virginia



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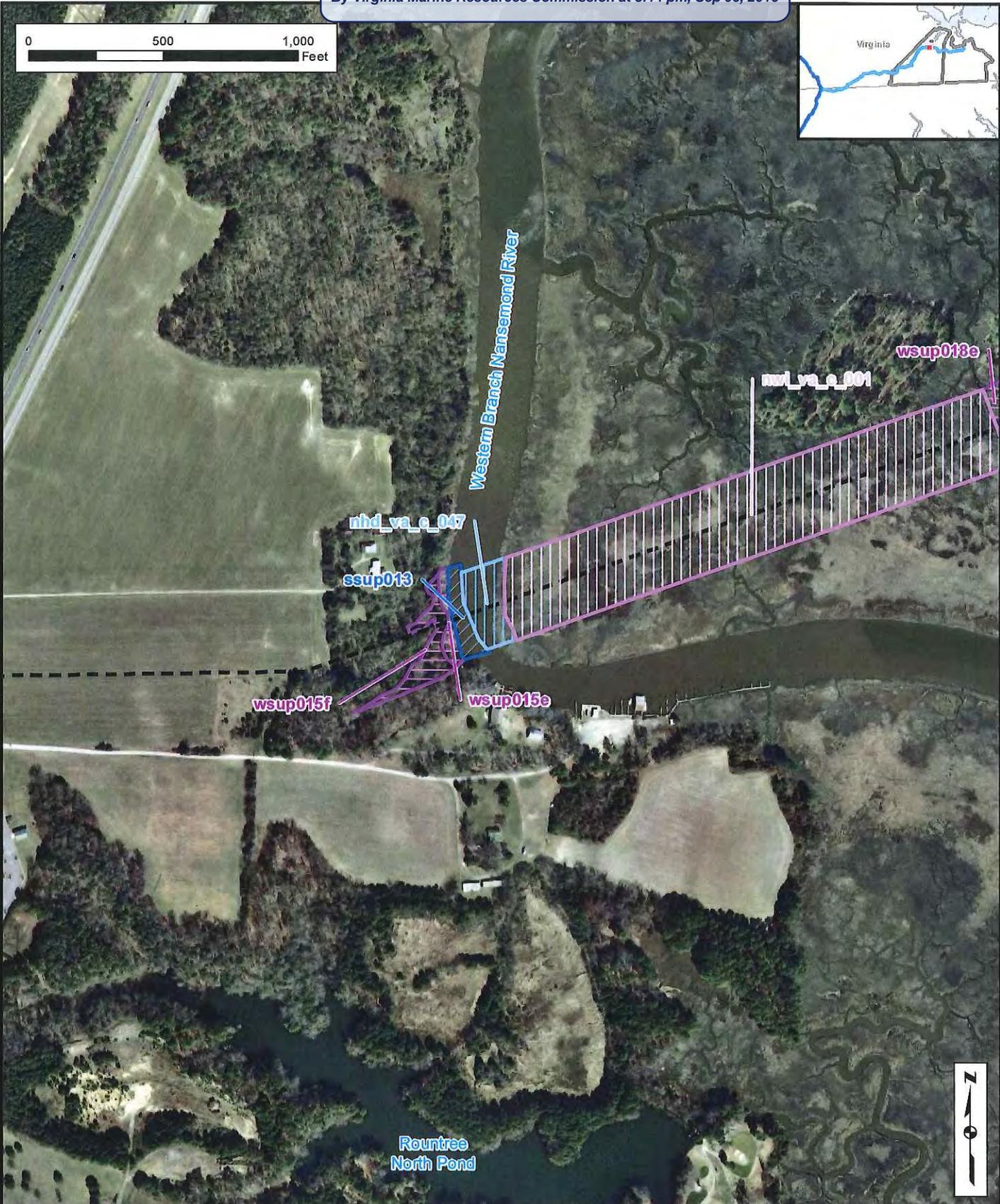
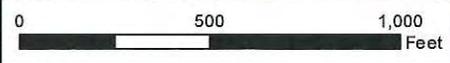


- Tidal Wetland
- Non-Tidal Wetland
- Proposed Route
- Survey Corridor Boundary
- Milepost
- Flood Points

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- Atlantic Coast Pipeline
- Tidal Waterbody
- Tidal Wetland
- NWI Desktop Wetlands
- NHD Desktop Waterbodies

**Atlantic Coast Pipeline**  
**Figure Set 3**  
**VMRC Tidal Determination**  
**Tidal Wetlands along the ACP Route**  
**City of Suffolk, Virginia**



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- Tidal Wetland
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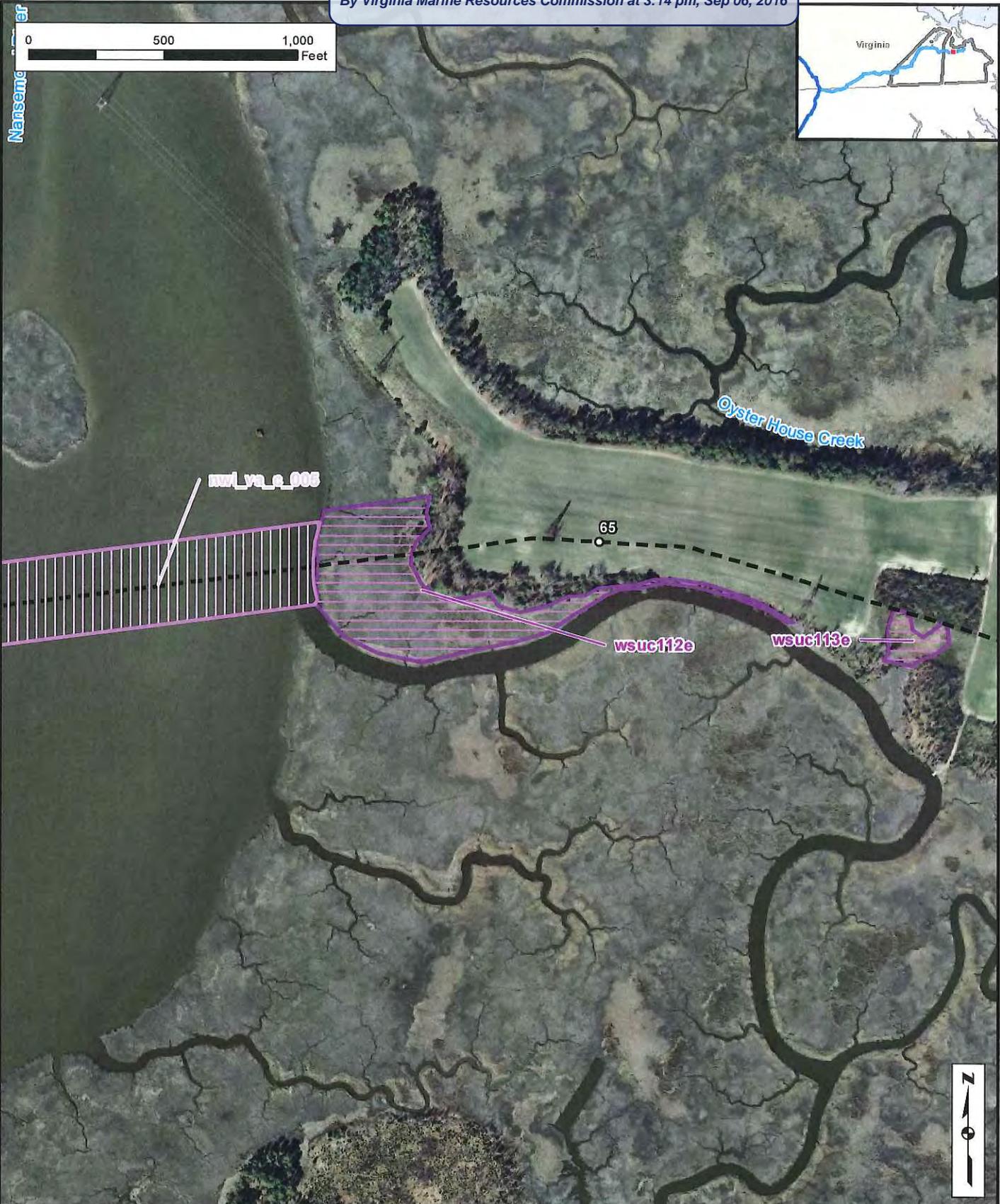
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- Tidal Wetland
- NWI Desktop Wetlands

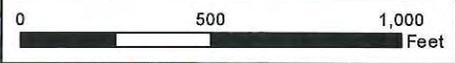
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**Atlantic Coast Pipeline**

- - Atlantic Coast Pipeline
- Tidal Wetland

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**Figure Set 3**  
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**Tidal Wetlands along the ACP Route**  
**City of Chesapeake, Virginia**



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- Atlantic Coast Pipeline
- ▨ Tidal Wetland

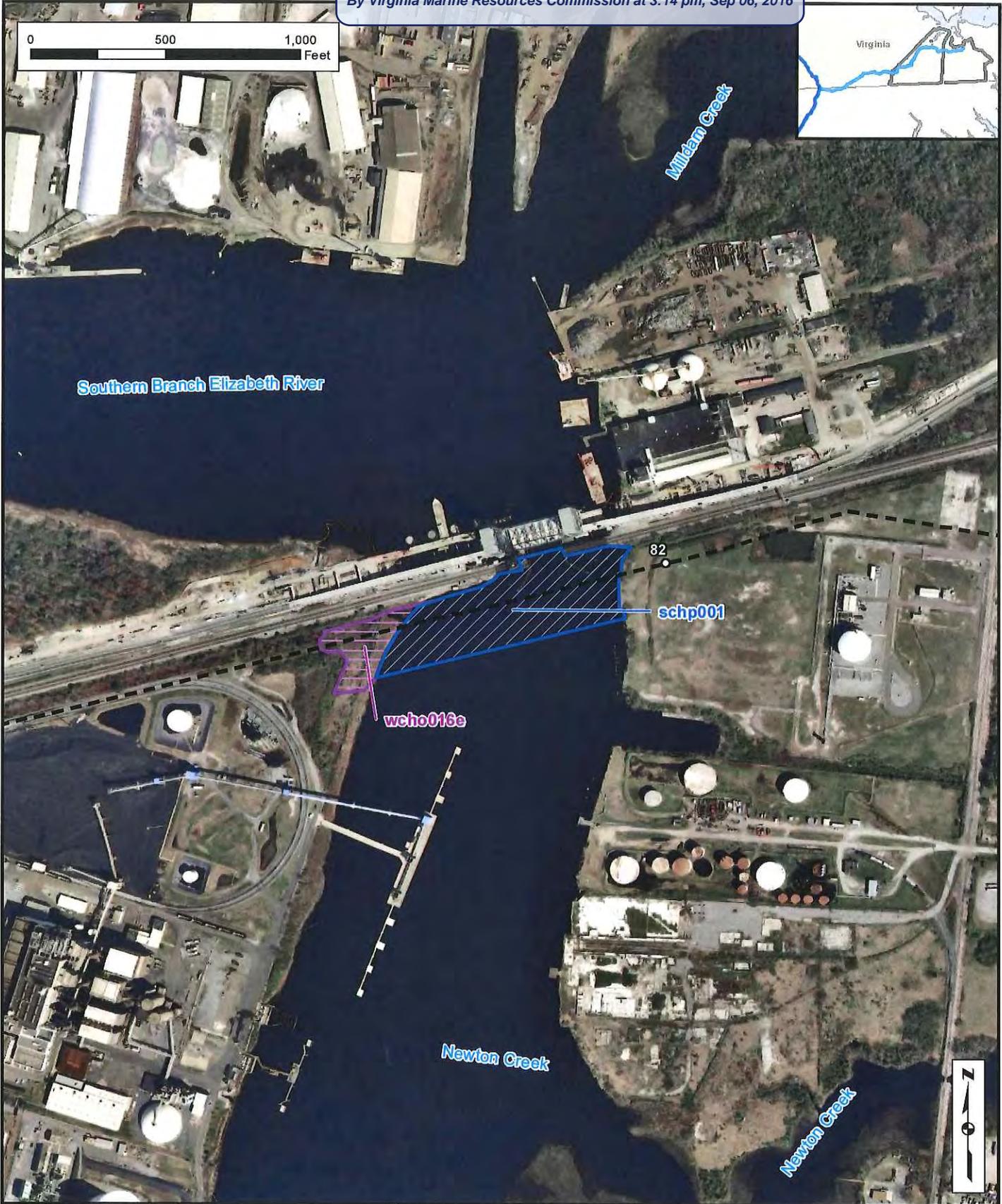
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