

Coastal Adaptation and Resilience Plan (CARP) and Dredge Material Maintenance Initiative (DMMI)

Status Update
September 3, 2026

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Two Programs, One Resilient Coast

- ♦ CARP builds the region's long-range resilience framework
- ♦ DMMI identifies and prioritizes channels for future dredging
- ♦ Both are advancing in parallel and will converge in the months ahead

CARP

- Regional asset inventory underway
- Hazard analysis using DCR's Coastal Resilience Master Plan (CMRP) methodology
- Vulnerability framework in development
- Concept plans for up to 3 projects

DMMI

- 20 channels in prioritization analysis
- GIS-based stakeholder survey live now
- Survey closes September 7
- Channel ranking proposal due September 25

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~~~~~ for the Accomack-Northampton Planning District Commission (A-NPDC)

# CARP Project Update

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CARP Progress to Date



Inventory of Regional Assets

- ◆ Critical Infrastructure
(e.g., State-maintained roadways)
- ◆ Natural Resources
- ◆ Socio-economic data
- ◆ Areas of Persistent Poverty/Historically Disadvantaged Communities



Purpose of this Work

- ◆ Establish a baseline understanding of regional assets
- ◆ Support identification of areas that may be exposed to coastal hazards
- ◆ Inform future resilience strategy development and conceptual project planning

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# CARP Hazard Data Identification

Hazard analysis considers multiple asset categories, including:

|                                                                                                                                                                                                                     |                                                                                                                                                                                                                     |                                                                                                                                                                                    |                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>Built Infrastructure</b></p> <p>Buildings, Roads, Bridges, Utilities, Stormwater Facilities, Water and Sewer Facilities</p> |  <p><b>Community Assets</b></p> <p>Schools, Hospitals, Fire Stations, EMS Facilities, Government Buildings, Emergency Shelters</p> |  <p><b>Natural Resources</b></p> <p>Wetlands, Streams, Floodplains, Conservation Lands, Parks</p> |  <p><b>Economic Assets</b></p> <p>Commercial Centers, Industrial Facilities, Agricultural Lands</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



Key objective: Identify where hazard exposure overlaps with critical community, environmental, and economic lands.

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# CARP Vulnerability Assessment Approach

| Analysis Approach                                                                                                                                                                                                                                                                                                     | Upcoming Stakeholder Coordination                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <ul style="list-style-type: none"> <li>◆ Apply the DCR CRMP Impact Assessment methodology</li> <li>◆ Overlay GIS data to identify critical overlap points</li> <li>◆ Develop a framework based on severity and impacts</li> </ul> |  <ul style="list-style-type: none"> <li>◆ Hold a virtual stakeholder meeting to review the approach</li> <li>◆ Confirm the resilience strategy framework</li> <li>◆ Discuss scoring and weighting factors</li> <li>◆ Build agreement around methodology before advancing conceptual planning</li> </ul> |

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## Next Steps

### Immediate: 1 – 3 Weeks

- ◆ Complete the Framework
- ◆ Stakeholder Review
- ◆ Focus Areas Emerge

### Long-Term: 3 – 9 Months

- ◆ Develop concept plans for up to 3 projects with A-NPDC staff and stakeholders
  - ◆ Develop 2 alternatives incorporating dredged material
- ◆ Prepare parametric cost ranges
- ◆ Prepare preliminary engineering specifications (up to 10% concept design)

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DMMI Project Update

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## DMMI Progress to Date



### Prioritization Actions Completed to Date

- ◆ Reviewed federal, state, and non-federal channels
- ◆ Reviewed the previously completed 2016 Regional Dredging Needs Assessment (RDNA)
- ◆ Used the overlap between RDNA data and the channels identified
- ◆ Included 20 total channels in the prioritization portion



### Factors Considered in Prioritization

- ◆ Navigable waterways
- ◆ Working waterfronts
- ◆ Access to commercial or industrial centers
- ◆ Economic development areas

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DMMI Stakeholder Survey and Engagement

Stakeholder Survey



- ◆ Gathers local input and identifies potential sites for future dredged material placement



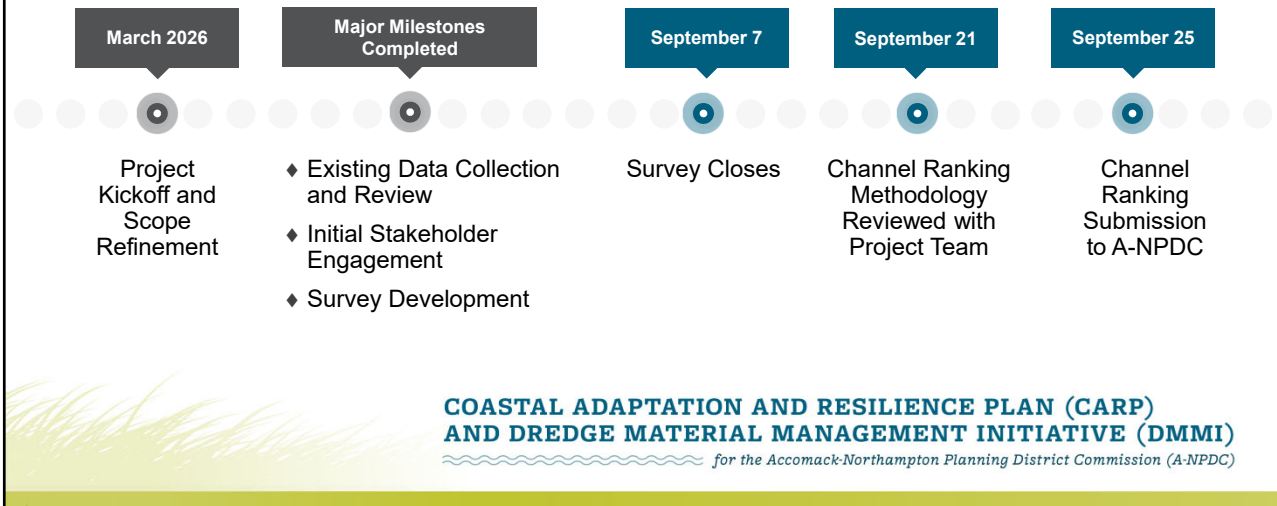
Next Steps After Survey Closes



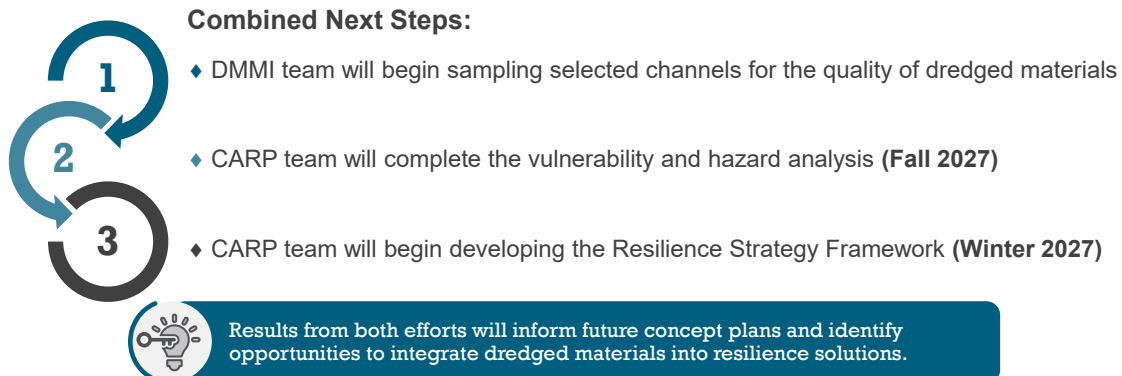
- ◆ Analyze results
- ◆ Integrate stakeholder feedback into the framework
- ◆ Use results to support selection of prioritized channels

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## Milestones and Upcoming Decisions



## Integrated Path Forward



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# Questions?

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