

**Virginia Coastal Resilience Master Plan**  
**Technical Advisory Committee – Federal Installation Partnerships Subcommittee**

<b>Subject</b>	Federal Installation Partnerships Subcommittee Meeting #5 Virginia Coastal Resilience Master Planning Framework	<b>Date</b>	June 16, 2021
<b>Facilitator</b>	Tom Crabbs	<b>Time</b>	1:00pm – 3:00pm
<b>Location</b>	WebEx - <a href="https://governor.virginia.gov/i/obkko">https://governor.virginia.gov/i/obkko</a>	<b>Scribe</b>	Emily Sokol

<b>Invitees/Attendees</b>			
#	Name	Organization/Role	Attended?
<b>Federal Installations Subcommittee Members and Staff Advisors</b>			
1.	Tom Crabbs	Chair - Captain, USCG (retired), Military Liaison, Office of the Secretary of Veterans & Defense Affairs;	Y
2.	Whitney Katchmark	Vice Chair - Principal Water Resources Engineer, Hampton Roads PDC	Y
3.	Jeff Flood - Staff	Coastal Planner, VA Coastal Zone Management Program	Y
4.	Elaine Meil	Executive Director, Accomack-Norhampton PDC	Y
5.	Kevin Du Bois	DoD Chesapeake Bay Program Coordinator, NAVFACSYSCOM MID-ATLANTIC, N45R	Y
6.	Tom Emerick	District Counsel, U.S. Army Corps of Engineers, Norfolk District	Y
7.	Stephen Moret	President & CEO, The Virginia Economic Development Partnership	
8.	David K. Paylor	Director, VA Dept. of Environmental Quality	
9.	Craig Quigley	Rear Admiral (Retired), US Navy, CEO, Hampton Roads Military & Federal Facilities Alliance	Y
10.	Dr. Jessica Whitehead	Executive Director, Institute for Coastal Adaptation & Resilience	Y
11.	Dillon Taylor	Chief of Staff & Senior Counsel, Virginia Department of Emergency Management	Y
12.	Scott Spencer	Office of Local Defense Community Cooperation	
13.	Samson Stevens	Capt., Sector Commander, U.S. Coast Guard, Hampton Roads	
<b>Scheduled Speakers</b>			
<b>Subcommittee Advisors</b>			
14.	Laura Rogers	Project Manager, NASA Langley Research Center	Y
15.	Patrick Taylor	Climate Research Scientist, NASA Langley Research Center	
16.	Matt Lott	Emergency Manager, Virginia Department of Transportation	Y
<b>Designated Alternates</b>			
17.	John Everett	Assistant District Counsel, U.S. Army Corps of Engineers, Norfolk District – Alternate for Tom Emerick	
18.	Sharon Baxter	Alternate for David K. Paylor, VA Dept. of Environmental Quality	
19.	Bruce Sturk	City of Hampton	
20.	Doug Beaver	City of Norfolk	
21.	Rick Dwyer	Deputy CEO, Hampton Roads Military & Federal Facilities Alliance	Y
<b>Other Participants</b>			
22.	Ann Phillips	Rear Admiral, US Navy (Ret.) – Office of the Governor	Y
23.	Connor Winstead	VA Dept. of Conservation & Recreation	Y
24.	Matt Dalon	VA Dept. of Conservation & Recreation	Y
25.	Elizabeth Schell		Y
26.	Grace Tucker		Y
27.	Margaret Rockwell		Y
28.	Keith Cannady		Y
<b>Consultant Support</b>			
29.	Emily Sokol	Vision Planning and Consulting	Y

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30.	Brian Batten	Dewberry	Y
31.	Carol Holland	Dewberry	Y
32.	Johanna Greenspan-Johnston	Dewberry	Y

Agenda/Minutes		
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1.	Welcome/FOIA Preamble/Roll Call	<p>Mr. Flood welcomed all attendees to the meeting and introduced Subcommittee Members, those serving as designated alternates, Subcommittee Advisors, and guest speakers. Mr. Flood took roll and advised that a quorum was present.</p> <p>Tom Crabbs then called the meeting to order at 1:05 pm and read the Section 1289 required language. He asked public attendees to ask questions through the chat box and advised Jeff Flood will moderate the chat. If there are connectivity issues, please call 703-994-8781 for assistance.</p> <p>Mr. Flood conducted a voice vote to proceed with the meeting virtually. The motion unanimously passed.</p> <p>To provide feedback on the meeting please fill out the following form:  <a href="http://foiacouncil.dls.virginia.gov/sample%20letters/Requester%20public%20comment%20form%202017.docx">http://foiacouncil.dls.virginia.gov/sample%20letters/Requester%20public%20comment%20form%202017.docx</a></p>
2.	Chair Updates	<p>Mr. Crabbs introduced Matt Lott, Laura Rogers, and Patrick Taylor as new advisors to the Subcommittee. He additionally provided an update from Dewberry regarding the upcoming data call to enhance the projects database (See Attached Slides).</p> <ul style="list-style-type: none"> <li>- Kevin Du Bois: Is there a deadline for when Dewberry wants this information? It sometimes takes us a bit of time to gather that information.</li> <li>- Mr. Crabbs: We have not been given a strict deadline by which the information is needed. Something else that has been very difficult is creating a contact list for the PDCs.</li> <li>- Whitney Katchmark: Are you envisioning that this data call will be disseminated at the installation level?</li> <li>- Mr. Crabbs: That is a great question, I am not sure and that is something that should be verified going forward.</li> <li>- Matt Dalon: At this time, anyone who is willing to add a project to the database is free to do so at the public owner level. We are encouraging people to add projects so that we have a complete understanding of what projects are being developed and where they are at in the scheduling process. That way, we can collaborate and consolidate projects, as well as identify and help facilitate funding sources. One data item that is being collected for project identification/evaluation is the type of project owner. If there are projects being developed inside the fence line, we need to know if this is information they are willing to share with the State. And if the project is being developed outside the fence line, we would like to help coordinate efforts and help them navigate towards implementation.</li> <li>- Mr. Du Bois: Based on the vulnerability analysis outlined by the Army Corps of Engineers, it appears that we cannot help the community become flood resistant if the DoD and other federal partners do not take on some level of responsibility. We need to know what projects everyone is developing so that we can synergize</li> </ul>

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		<p>and take advantage of each other's projects. But there needs to be an effective system to track these projects.</p> <ul style="list-style-type: none"> <li>- Tom Emerick: From the Corps authority perspective, they have the ability to work with both federal installations and non-federal sponsors. The difficulty is conducting resilience studies holistically and concurrently with all entities, instead of on an individual basis.</li> <li>- Mr. Dalon: I want to note that the impact assessment we have conducted for the eight coastal PDCs does incorporate an exposure component that extends past the fence line. However, we are not able to make a statement about risk past the fence line from a data perspective.</li> <li>- Ms. Katchmark: Practically, you might want to test the form you will use for the data call with the federal installations, because with firewalls, we have had a problem sharing data.</li> <li>- Mr. Dalon: Understood, thank you for the suggestion.</li> </ul> <p>Mr. Crabbs: We have another update. I expect the Commonwealth will not extend the emergency order that allows us to meet virtually. We will likely move towards in-person meetings starting in July. We will need more information about whether it will be a hybrid of virtual and in-person for all participants, but we will have to wait for that information from the State. I believe all our Subcommittee members are concentrated in the Hampton Roads area, so we will try to find a space to meet in that area that can accommodate the Subcommittee's needs, and Mr. Flood and I can travel down. We will look to keep the same meeting schedule, depending on how this transition develops.</p> <ul style="list-style-type: none"> <li>- Mr. Dalon: We expect to provide an update on this matter at the TAC meeting on the 22<sup>nd</sup>.</li> </ul>
3.	<i>NASA Langley Resilience Planning Efforts- Laura Rogers</i>	<p>Mr. Crabbs introduced Laura Rogers, Project Manager at the NASA Langley Research Center, and opened the floor for her presentation. Ms. Rogers provided an update of NASA's current work, highlighting satellites currently conducting observations, field campaigns conducting data collection, and current data integration, modeling, and prediction efforts. Ms. Rogers outlined the efforts of the NASA Sea Level Change Team, NASA Disasters Program, and the Earth System Observatory, as well as the Agency's work in resilience planning, risk visualization, and subsidence mapping. She additionally highlighted Virginia-specific activities and needs. (See Attached Slides)</p> <p>Discussion Point- Mr. Emerick: You mentioned that these are publicly available slides. Are they available on the NASA website, or is there a way we could be provided a copy of the presentation?</p> <ul style="list-style-type: none"> <li>- Mr. Flood: Ms. Rogers, with your permission, could I share this presentation with the Subcommittee, and have it posted to the OSNR's website?</li> <li>- Ms. Rogers: Yes, they are publicly available, so you are more than welcome to do so.</li> </ul> <p>Discussion Point- Rick Dwyer: You mentioned the flood impact analysis tool. How easy would it be to export that analysis tool to other federal installations throughout the region?</p> <ul style="list-style-type: none"> <li>- Ms. Rogers: That is completely determined by the data available. It is a GIS tool, so it is dependent on having the building footprints and high resolution dms. It is a fairly straightforward tool, but it is completely determined by the GIS data available.</li> </ul>

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		<p>Discussion Point- Whitney Katchmark: I am curious. You described the programs and new satellites. One of the data wishes we have identified is the ability to visualize the extent of flooding even when it is overcast. Do you think we will be able to do that anytime soon?</p> <ul style="list-style-type: none"> <li>- Ms. Rogers: The beneficial thing about SAR is that it sees through the clouds and can provide water extent measurements. Additionally, NISAR will be launched around 2023, which will be an advancement in this effort. With satellite data, one important aspect is the temporal resolution- what is the return rate. Also, commercial satellites are doing a lot with SAR, which we are currently trying to leverage. Can we bring together storm gauge data, river gauge data, etc. and task commercial satellites to get the imagery we need? We have had good luck with floods. To summarize, we have made progress and are getting closer, but we are not quite there yet.</li> <li>- Ms. Katchmark: It is so hard to keep track of what is coming on the horizon.</li> <li>- Ms. Rogers: Agreed.</li> </ul> <p>Mr. Crabbs thanked Ms. Rogers for her presentation and emphasized the Subcommittee's excitement to have her as an Advisor. He accentuated that, as much as the Subcommittee is excited to learn from her perspective, she should also let them know if there is any additional information she would like or other Subcommittees with which she would like to get involved. Ms. Rogers thanked the Subcommittee and advised them that Patrick Taylor, who will be tag-teaming this with her, is a global climate modeler for NASA that will be a great advisor in this process.</p>
4.	Updates on Lines of Effort	Mr. Crabbs reported that he had no updates on the Subcommittee's lines of effort. However, he did identify the three lines of effort that the Subcommittee added during the last meeting. (See yellow font in Attached Slides)
5.	JLUS/REPI/Sentinel Landscapes Crosswalk	<p>Mr. Crabbs opened the floor to Mr. Du Bois and thanked him for his effort in developing a JLUS/REPI/Sentinel Landscape Crosswalk.</p> <p>Mr. Du Bois: At the last meeting, we heard from Jaime Simon from the Readiness and Environmental Protection Integration (REPI) program and discussed the various DoD programs that, in my mind, all shake hands. This is something that I have been researching for some time, in the hopes of better understanding how Joint Land Use Study (JLUS) recommendations move forward from a plan to implementation. I pulled together information on different JLUS plans and REPI programs throughout the Chesapeake Bay Watershed and tried to identify if there were opportunities for leveraging the products of one plan to another. For example, at Navy Weapons Station Earle, they conducted a JLUS study with the surrounding community. One suggestion that developed from the study was to identify more regional opportunities for climate resilience. They applied for a REPI Challenge grant and received money to develop a regional plan for climate resilience. They then saw an opportunity to supercharge these efforts by gaining designation as a Sentinel Landscape to achieve outcomes on land outside the fence line that protect the military mission and promote climate resilience. So, I put together a spreadsheet to help me understand where we might find connections to leverage these different programs, as well as where we can do more to leverage these opportunities. After Jaime's presentation, I thought that this might be beneficial to the Subcommittee to better understand how to</p>

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		<p>connect the dots between these programs to move from planning to implementation. The spreadsheet was just cleared for public release. The checkmarks identify that the installation has a REPI program, which means they are already doing land conservation work though not strictly related to climate resilience. Also, they tell you if a JLUS has been completed, whether it is related to climate resilience. We should be able to use this to identify overlaps and see where more needs to be done to make these connections. The DoD Chesapeake Bay program puts out a quarterly newsletter. The next newsletter will contain an article about the planning to implementation process, and I will make sure that it is circulated to the Subcommittee members when it is released. In the Fall newsletter, we will be publishing a success story about Navy Weapons Station Earle, because it is a great example of what is possible. Virginia could gain perspective about conducting regional climate resilience planning and gaining funding to support climate resilience efforts. You can also see that there is red text, which indicates that there is information containing a climate resilience element. My thought is that Mr. Crabbs will send this spreadsheet out to the Subcommittee. If you have any questions or suggestions on how to improve it, please reach out to me.</p> <p>Q- Mr. Flood: Thank you. Would you be fine with us sharing this spreadsheet to also be posted to the Secretary’s website with the presentations?</p> <p>A- Mr. Du Bois: Yes, it has been approved for public release.</p> <p>Mr. Crabbs asked the Subcommittee if there were any additional questions or comments for Mr. Du Bois at that time. No questions were posed. Mr. Crabbs thanked Mr. Du Bois for his diligent work on the spreadsheet and emphasized that it will likely be a cornerstone tool for the Subcommittee moving forward.</p>
6.	Updates, Public Comment Period, & Next Meeting	<p>Mr. Crabbs reported that Virginia Security Corridors is currently applying for designation as a Sentinel Landscape. There are two phases of the competition, and the application has moved past the first phase and into the second phase. Mr. Crabbs assured the Subcommittee that he would be updating them on its status throughout the process. He also reminded the Subcommittee that the Defense Community Infrastructure Program (DCIP) will be accepting grant proposals through July 12, 2021. If there are any questions regarding this process, the OLDCC website is the best source for information, and Mr. Crabbs emphasized that all are welcome to reach out to him for advice. He also provided an update regarding the use of Microsoft Teams to share information about various lines of effort. He has not yet been successful in getting the Subcommittee established on Microsoft Teams. He stated that he will try one more time, and if that does not work, they will determine a better way to exchange information going forward.</p> <p>Mr. Flood opened the floor to Rear Admiral Ann Phillips to provide any necessary updates to the Subcommittee.</p> <p>Rear Admiral Phillips: We are in the process of working through and disseminating our data call. Methods by which we can reach out to federal partners would be appreciated. Also, we have been informed that, after July 1<sup>st</sup>, the nature of the COVID emergency that permitted the meetings to be conducted virtually will no longer be in effect. As a result, we will be required to have public meetings in-person. We are currently determining specific</p>

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		<p>requirements and working through the nuances of the situation. The TAC has only met virtually up to this point, so we understand that there will likely be many challenges to meeting in-person, as our Subcommittee members represent different regions in Virginia. We may broadcast the meetings and have the public participate electronically. We are working through quorum requirements and what nuances need to be addressed before making this transition. We do not have all the answers yet, and there will be more to follow. However, the 3-day prior notice requirement remains unchanged. Some things might become easier, others more challenging. I appreciate your perspectives and comments this afternoon and going forward.</p> <p>Mr. Crabbs recognized that the Dewberry team was not provided an opportunity to speak at the beginning of the meeting, regarding their updates. So, he opened the floor for them to comment at this time.</p> <p>Brian Batten: Thank you for the opportunity to speak. Matt Dalon covered most of the information that we wanted to convey today, regarding the data call. We are looking to finalize the project evaluation process, the impact assessment, and other line items soon. We expect to reach out in the next couple of weeks to schedule community outreach meetings and engage community members in discussion on the recent work and the master plan as a whole. Most of what we have been discussing recently has been preparation. We are now very excited to transition into the stakeholder engagement phase of the study and look forward to how it will proceed.</p> <p>Mr. Flood opened the floor for public comment. He identified two public attendees, Grace Tucker and Margaret Rockwell, and asked if they had any questions or comments to pose. No comments were voiced.</p> <p>Mr. Flood announced that the next Subcommittee meeting would take place on July 21, 2021, from 1:00 – 3:00 pm. All meeting materials and the recording from this meeting will be posted to the OSNR’s resilience webpage shortly.</p> <ul style="list-style-type: none"> <li>- Rear Admiral Craig Quigley: The site for the next meeting is still to be determined, correct?</li> <li>- Mr. Flood: Yes, and if you have any ideas for sites in the Hampton Roads area that would fit our needs, please let us know.</li> <li>- Rear Admiral Phillips: The site will need to accommodate technological needs as well, as the meeting will likely need to be broadcasted online.</li> <li>- Mr. Crabbs: I just discovered that I have a conflict for the 21<sup>st</sup>. I will keep the meeting date as is. However, I would like to be able to attend. So, we will try to find a date that works and will let the Subcommittee know if the meeting is rescheduled for a different date.</li> <li>- Mr. Dalon: Also, just a reminder that there is a TAC meeting on Tuesday at 1:00 pm.</li> </ul>
7.	Wrap-Up and Adjourn	Mr. Crabbs called for a motion to adjourn the meeting. Mr. Du Bois motioned, and Rear Admiral Quigley seconded. Mr. Crabbs adjourned the meeting at 2:09 pm.

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<b>Action Items</b>			
<b>#</b>	<b>Action Item</b>	<b>Owner (Organization)</b>	<b>Due Date</b>
1.	Confirm next FIP SC meeting date and in-person location	Tom Crabbs (SC Chair), Jeff Flood (SC Staff)	ASAP, target date 6/25/21

If you have any questions, please contact [Emily Sokol](mailto:esokol@vision-pc.net), Vision Planning and Consulting, at [esokol@vision-pc.net](mailto:esokol@vision-pc.net).