

Appendix A

Outreach to Solicit Community Input



Assessing Community Interest in a Restoration Advisory Board for Environmental Cleanup at Marine Corps Base Quantico



A clean, healthy environment is essential to supporting the Department of the Navy's (DON's) primary mission of maintaining fleet readiness. Although past activities have resulted in the release of contaminants into the environment, DON is committed to cleaning up Navy properties in an effective and efficient manner. To accomplish cleanup, DON's environmental restoration team encourages and supports partnerships among various stakeholders, including state and federal regulators, American Indian tribes, and local communities.

The DON, Naval Facilities Engineering Command Washington and the Marine Corps Base Quantico (MCBQ), in cooperation with the United States Environmental Protection Agency (EPA) and the Virginia Department of Environmental Quality (VDEQ), implement the Defense Environmental Restoration Program (DERP) at Marine Corps Base Quantico (MCBQ).

Environmental Investigation and Cleanup at MCBQ

The purpose of the Environmental Restoration (ER) Program is to reduce the risk to human health and the environment from past waste disposal operations and hazardous substance spills at DON activities including MCBQ. The program goal is to provide for cost-effective and timely site assessment, planning, and remediation of identified releases consistent with DERP requirements.

Assessing Community Interest in a Restoration Advisory Board

In the 1990s, MCBQ had a Technical Review Committee (now called a Restoration Advisory Board or RAB) consisting of MCBQ personnel, representatives of state and federal regulatory agencies, elected officials, and community members. However, over time, community interest and participation waned. The committee stopped meeting and was ultimately dissolved.

The use of RABs is an effective means of promoting stakeholder participation, and is the cornerstone of efforts to expand community involvement in decisions about cleanup at military bases. RABs serve as a primary mechanism to ensure that individuals within the community not only have access to information relevant to environmental restoration but also have the ability to participate in the decision-making process.

MCBQ periodically re-assesses community interest in the establishment of a RAB. If re-established, the RAB would include local residents who reflect the diverse interests of the community. RAB involvement could include participation in meetings, participation in public reviews, and commenting on reports relating to the ongoing environmental studies and restoration activities at MCBQ. Members would have an opportunity to provide input on activities that will accelerate the ER Program. Members may also serve as voluntary liaisons between the community and the RAB and be available to meet with community members and/or groups. All RAB meetings would be open to the public.

**If you think that MCBQ should establish a
Restoration Advisory Board, or you would like more information,
please contact the Restoration Program Manager at (703) 432-0521 or
send an email to brian.ventura@usmc.mil by December 14, 2016.**



Do You Want More Information about Marine Corps Base Quantico's Environmental Restoration Program?



DO YOU KNOW?

Marine Corps Base Quantico (MCBQ) and the U.S. Navy, in cooperation with state and federal environmental regulators, implement the Environmental Restoration Program (ERP), which focuses on:

1. **Chemical contamination** - Investigating and addressing contamination that may have occurred in the past due to spills, leaks, or historic disposal practices
2. **Munitions response** – Investigating and addressing potential environmental and safety hazards from past unexploded ordnance, discarded military munitions, and munitions constituents.



WE NEED YOUR HELP!

YOU can help the ERP update its "Community Involvement Plan" and learn how people would like to get more information about the environmental and munitions investigations and cleanup being done at the base. Simply go to MCBQ's environmental restoration website at <https://go.usa.gov/xngKr> and fill out a confidential electronic questionnaire to help the ERP develop its Community Involvement Plan. *Please respond by the end of January 2018.*

Thanks – we value your input!



Naval Support Facility
Indian Head

Naval Air Station Patuxent
River

Washington Navy Yard

Naval Support Facility
Dahlgren

**Marine Corps Base
Quantico**

Site Descriptions

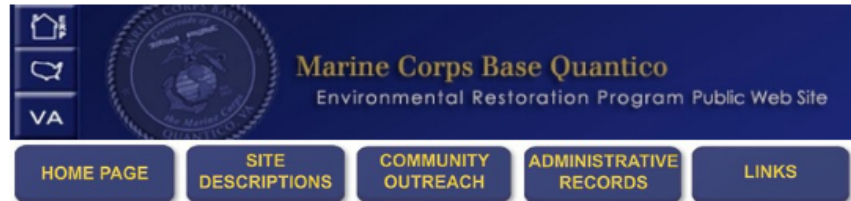
Community Outreach

Administrative Records

Links

Naval Research Laboratory
— Chesapeake Bay
Detachment

Marine Corps Base Quantico



WE NEED YOUR INPUT!

An important part of implementing the Environmental Restoration Program (ERP) at MCBQ is understanding what people know and how they would like to be kept informed and aware of the investigation and cleanup work being done. To accomplish this, we gather information (confidentially) from people like you, and use it to help prepare and implement a "Community Involvement Plan" for the ERP.

YOU can help by completing our electronic questionnaire:

- Download our questionnaire as a fillable .pdf [here](#), save your responses, and email them to us at amy.brand@jacobs.com.

Please reply by the **end of January 2019**. Your responses will be kept confidential and compiled with others to help prepare the MCBQ Community Involvement Plan for the ERP.

Thank you for your help!

Marine Corps Base Quantico (MCBQ) is located approximately 35 miles south of Washington, DC. MCBQ consists of approximately 59,000 acres and lies within southern Prince William, northern Stafford, and eastern Fauquier counties. MCBQ is bounded to the north by Cedar Run and Virginia State Route 646; to the east by the Potomac River; to the south by Tank Creek, Aquia Creek, and Virginia State Route 610; and to the west by Dorrels Run and Virginia State Route 612. MCBQ is divided into two sections, the Mainside located east of Interstate Route 95 and the Guadalcanal (Guad) Area located west of Interstate Route 95.

MCBQ Community Involvement Plan Questionnaire
Email to Base Housing

SUBJECT: MCBQ's Environmental Restoration Program Need Your Input!
ATTACHMENT: MCBQ CIP fillable questionnaire final.pdf

The MCBQ Environmental Restoration Program (ERP) Office **needs your help!** Just 10-15 minutes of your time will help us know what your interests are and how we can communicate more effectively with you about environmental cleanup activities at MCBQ.

MCBQ and the U.S. Navy, in cooperation with state and federal environmental regulators, implement the ERP, which focuses on:

1. Chemical contamination - Investigating and addressing contamination that may have occurred in the past due to spills, leaks, or historic disposal practices
2. Munitions response – Investigating and addressing potential environmental and safety hazards from unexploded ordnance, discarded military munitions, and munitions constituents.

An important part of this effort is understanding what you know about the program and how you would like to be kept informed and aware of what is being done. To accomplish this, we gather information (confidentially) from people like you, and use it to help prepare and implement a "Community Involvement Plan" for the ERP.

YOU can help by completing the attached fillable .pdf form, saving your file, and then emailing it to: MCBQCIP@ch2m.com by January 30, 2019. Your responses will be kept confidential and compiled with others to help the ERP prepare its Community Involvement Plan.

Thank you for your help! Your input will help shape how we communicate about our work to restore the environment at MCBQ.

If you have questions about the ERP, please visit our website at:

https://www.navfac.navy.mil/products_and_services/ev/products_and_services/env_restoration/installation_map/navfac_atlantic/washington/mcb_quantico.html

For additional information, please call me at 703-432-0521 or email me at brian.ventura@usmc.mil.

COMMUNITY INVOLVEMENT QUESTIONNAIRE
for
ENVIRONMENTAL RESTORATION PROGRAM
MARINE CORPS BASE QUANTICO



1. Welcome to the Community Involvement Questionnaire for Marine Corps Base Quantico (MCBQ)

As part of the overall environmental restoration program at Marine Corps Base Quantico (MCBQ), we are updating the Community Involvement Plan.

The environmental restoration program focuses on cleaning up environmental contamination caused by past disposal, storage, and handling of hazardous materials, including both chemical contaminants and discarded munitions and unexploded ordnance. The Community Involvement Plan guides how we will communicate with the community during implementation of this program.

To update the plan, we need input from local community members like you! Your confidential responses will be used in a summary format to update the Community Involvement Plan. The plan is a public document, which will be used by Marine Corps officials as a guide for community involvement in the environmental and munitions response program.

A copy of the Community Involvement Plan will be placed in the information repositories located in the reference area at Chinn Park Regional Library in Prince William County, Porter Branch Library in Stafford County, and the MCBQ Natural Resources and Environmental Affairs Branch at 3049 Bordelon Street on base.

Thank you for participating in our questionnaire. Your input is valuable and will help the Marine Corps communicate effectively with the community about the environmental restoration program.

2. Profile

This section asks questions about you, your role in the local community, and the community in general.

1. What is your 5-digit zip code?												
2. How long have you lived in Stafford, Fauquier, or Prince William County (including Quantico)? <table border="0"> <tr> <td><input type="radio"/> < 1 year</td> <td><input type="radio"/> 11-15 years</td> <td><input type="radio"/> I do not live in Stafford, Fauquier, or Prince William County (including Quantico)</td> </tr> <tr> <td><input type="radio"/> 2-5 years</td> <td><input type="radio"/> 16-20 years</td> <td></td> </tr> <tr> <td><input type="radio"/> 6-10 years</td> <td><input type="radio"/> > 21 years</td> <td></td> </tr> </table>	<input type="radio"/> < 1 year	<input type="radio"/> 11-15 years	<input type="radio"/> I do not live in Stafford, Fauquier, or Prince William County (including Quantico)	<input type="radio"/> 2-5 years	<input type="radio"/> 16-20 years		<input type="radio"/> 6-10 years	<input type="radio"/> > 21 years				
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3. How long have you worked in Stafford, Fauquier, or Prince William County (including Quantico)? <table border="0"> <tr> <td><input type="radio"/> < 1 year</td> <td><input type="radio"/> 11-15 years</td> <td><input type="radio"/> I do not work in in Stafford, Fauquier, or Prince William County (including Quantico)</td> </tr> <tr> <td><input type="radio"/> 2-5 years</td> <td><input type="radio"/> 16-20 years</td> <td></td> </tr> <tr> <td><input type="radio"/> 6-10 years</td> <td><input type="radio"/> > 21 years</td> <td></td> </tr> </table>	<input type="radio"/> < 1 year	<input type="radio"/> 11-15 years	<input type="radio"/> I do not work in in Stafford, Fauquier, or Prince William County (including Quantico)	<input type="radio"/> 2-5 years	<input type="radio"/> 16-20 years		<input type="radio"/> 6-10 years	<input type="radio"/> > 21 years				
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4. How would you describe your role in the community? (select all that apply) <table border="0"> <tr> <td><input type="radio"/> Local resident</td> <td><input type="radio"/> Representative or member of a local environmental group</td> </tr> <tr> <td><input type="radio"/> Local business owner</td> <td><input type="radio"/> Community leader</td> </tr> <tr> <td><input type="radio"/> Local employee</td> <td><input type="radio"/> Other (please specify)</td> </tr> <tr> <td><input type="radio"/> Representative of a homeowner association or other civic organization</td> <td></td> </tr> <tr> <td><input type="radio"/> Public or elected official</td> <td></td> </tr> </table>	<input type="radio"/> Local resident	<input type="radio"/> Representative or member of a local environmental group	<input type="radio"/> Local business owner	<input type="radio"/> Community leader	<input type="radio"/> Local employee	<input type="radio"/> Other (please specify)	<input type="radio"/> Representative of a homeowner association or other civic organization		<input type="radio"/> Public or elected official			
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<input type="radio"/> Public or elected official												
5. Have you or any of your relatives ever worked at Marine Corps Base Quantico (MCBQ)? <table border="0"> <tr> <td><input type="radio"/> Yes (me)</td> <td><input type="radio"/> Yes (relative)</td> <td><input type="radio"/> No (me)</td> <td><input type="radio"/> No (relative)</td> </tr> </table>	<input type="radio"/> Yes (me)	<input type="radio"/> Yes (relative)	<input type="radio"/> No (me)	<input type="radio"/> No (relative)								
<input type="radio"/> Yes (me)	<input type="radio"/> Yes (relative)	<input type="radio"/> No (me)	<input type="radio"/> No (relative)									
6. On a scale of 1-10, do you think people in the local community are concerned about environmental issues in general? Scaled rating (1-Not concerned at all, 10-Extremely concerned)												
7. What do you think are the most important environmental issues facing your community today? (choose up to 4) <table border="0"> <tr> <td><input type="radio"/> Traffic</td> <td><input type="radio"/> Drinking water</td> <td><input type="radio"/> Trash and littering</td> </tr> <tr> <td><input type="radio"/> Growth and development</td> <td><input type="radio"/> Food sources</td> <td><input type="radio"/> Water quality</td> </tr> <tr> <td><input type="radio"/> Chemical contamination in the environment</td> <td><input type="radio"/> Air quality</td> <td><input type="radio"/> Climate change</td> </tr> <tr> <td><input type="radio"/> Other (please specify)</td> <td></td> <td></td> </tr> </table>	<input type="radio"/> Traffic	<input type="radio"/> Drinking water	<input type="radio"/> Trash and littering	<input type="radio"/> Growth and development	<input type="radio"/> Food sources	<input type="radio"/> Water quality	<input type="radio"/> Chemical contamination in the environment	<input type="radio"/> Air quality	<input type="radio"/> Climate change	<input type="radio"/> Other (please specify)		
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<input type="radio"/> Other (please specify)												

3. Awareness of and Interest in Environmental Cleanup from Past Activities at MCBQ

This page will ask about your awareness of and interest in the environmental cleanup of past contamination at MCBQ through the environmental restoration program. Contamination may have resulted from historical disposal, storage, and handling of hazardous materials.

Don't worry if you don't know much about the environmental cleanup at MCBQ - that is useful information too!

<p>8. Are you aware that the Navy and Marine Corps are investigating and cleaning up environmental contamination from past activities at MCBQ?</p> <p> <input type="radio"/> Yes, aware <input type="radio"/> Vaguely aware <input type="radio"/> No, not aware <input type="radio"/> Not sure </p>																																																																				
<p>9. If yes, what is your general understanding of the environmental cleanup activities? Please describe.</p> 																																																																				
<p>10. On a scale of 1-10, how interested or concerned are you about the environmental cleanup activities at MCBQ?</p> <p>Scaled rating</p> <p>(1-Not at all interested or concerned, 10-Extremely interested or concerned)</p>																																																																				
<p>11. What issues related to the environmental cleanup activities at MCBQ interest or concern you the most?</p> <p>Each item has a 1-5 scale from "not interested or concerned" to "very interested or concerned." "Not applicable" is also an option.</p> <table border="0"> <thead> <tr> <th></th> <th>not interested or concerned (1)</th> <th>(2)</th> <th>somewhat interested or concerned (3)</th> <th>(4)</th> <th>very interested or concerned (5)</th> <th>not applicable</th> </tr> </thead> <tbody> <tr> <td>Potential health risk</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Soil</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Groundwater</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Property values</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Health issues</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Surface water (ponds, streams)</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Air quality</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Other (please specify)</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>							not interested or concerned (1)	(2)	somewhat interested or concerned (3)	(4)	very interested or concerned (5)	not applicable	Potential health risk							Soil							Groundwater							Property values							Health issues							Surface water (ponds, streams)							Air quality							Other (please specify)						
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12. Do you feel you have been directly or indirectly affected by MCBQ's environmental sites?

- ☐ No ☐ Not sure ☐ Yes (please fill in comment box)

13. On a scale of 1-10, how interested or concerned do you think community members are about the environmental cleanup activities at the base?

Scaled rating

(1-Not at all interested or concerned, 10-Extremely interested or concerned)

14. Please provide any comments on your responses to Questions 10-13.

Please continue on the next page.

4. Awareness of and Interest in Munitions Response at MCBQ

This page will ask about your awareness of and interest in munitions response at MCBQ through the environmental restoration program. Munitions response addresses environmental health and safety hazards from unexploded ordnance, discarded military munitions, and munitions constituents from historical use at the base.

Don't worry if you don't know much about munitions response at MCBQ - that is useful information too!

<p>15. Are you aware that the Navy and Marine Corps are investigating and cleaning up munitions from past activities at MCBQ?</p> <p style="text-align: center;"> <input type="radio"/> Yes, aware <input type="radio"/> Vaguely aware <input type="radio"/> No, not aware <input type="radio"/> Not sure </p>																																																																				
<p>16. If yes, what is your general understanding of munitions response? Please describe.</p>																																																																				
<p>17. On a scale of 1-10, how interested or concerned are you about munitions response at MCBQ?</p> <p style="text-align: center;">Scaled rating (1-Not at all interested or concerned, 10-Extremely interested or concerned)</p>																																																																				
<p>18. What issues related to munitions response at MCBQ interest or concern you the most?</p> <p style="text-align: center;">Each item has a 1-5 scale from "not interested or concerned" to "very interested or concerned." "Not applicable" is also an option.</p> <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 15%; text-align: center;">not interested or concerned (1)</th> <th style="width: 15%; text-align: center;">(2)</th> <th style="width: 15%; text-align: center;">somewhat interested or concerned (3)</th> <th style="width: 15%; text-align: center;">(4)</th> <th style="width: 15%; text-align: center;">very interested or concerned (5)</th> <th style="width: 15%; text-align: center;">not applicable</th> </tr> </thead> <tbody> <tr><td>Soil</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Potential Health Risk</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Groundwater</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Surface Water (ponds, streams)</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Property Values</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Health Issues</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Air Quality</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Other (please specify)</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>							not interested or concerned (1)	(2)	somewhat interested or concerned (3)	(4)	very interested or concerned (5)	not applicable	Soil							Potential Health Risk							Groundwater							Surface Water (ponds, streams)							Property Values							Health Issues							Air Quality							Other (please specify)						
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19. Do you feel you have been directly or indirectly affected by MCBQ's past munitions sites?

- ☐ No ☐ Not sure ☐ Yes (please fill in comment box)

20. On a scale of 1-10, how interested or concerned do you think community members are about munitions response at the base?

Scaled rating

(1-Not at all interested or concerned, 10-Extremely interested or concerned)

21. Please provide any comments on your responses to Questions 17-20.

Please continue on the next page.

5. Potential Community Involvement

This page addresses potential community involvement in the MCBQ environmental and munitions response program.

<p>22. A Restoration Advisory Board (RAB) is a stakeholder group that typically meets 1-2 times per year to discuss environmental restoration at a Department of Defense property. RABs enable people interested in the environmental cleanup and munitions response activities at a specific Base to exchange information with representatives of regulatory agencies, the installation, and the community. More information about RABs can be found here: http://www.denix.osd.mil/rab/home/unassigned/rab-rule-handbook/</p> <p>MCBQ does not currently have a RAB. Do you think it needs one?</p> <p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not sure</p>
<p>23. If MCBQ established a RAB, would you be interested in serving on it?</p> <p><input type="radio"/> Yes <input type="radio"/> Maybe – would need more information <input type="radio"/> No</p>
<p>Please add any comments</p>

Please continue on the next page.

6. Information and Communications

This page addresses how you get information and how you might want to receive information about MCBQ's environmental restoration program.

<p>24. How do you get news about your local community? (check all that apply)</p> <ul style="list-style-type: none"><input type="radio"/> Social media – please list platforms in comment box below (e.g., Facebook, Twitter, Snapchat, etc.)<input type="radio"/> Websites – please list websites in comment box<input type="radio"/> Newspaper (print) – please list papers in comment box<input type="radio"/> Newspaper (online) – please list papers in comment box<input type="radio"/> Radio – please list stations in comment box<input type="radio"/> Television – please list stations in comment box<input type="radio"/> Other – please provide more information
<p>Please list social media platforms, websites, newspapers, and radio and television stations</p>
<p>25. Have you ever used the information repositories at Chinn Park Regional Library in Prince William County and/or Porter Branch Library in Stafford County?</p> <p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not aware of them</p>
<p>26. Have you ever visited the MCBQ environmental cleanup and munitions response website? (https://www.navfac.navy.mil/products_and_services/ev/products_and_services/env_restoration/installation_map/navfac_atlantic/washington/mcb_quantico.html)</p> <p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not aware of it</p>
<p>27. If yes to Questions 25 and 26, was the information available there useful to you?</p> <p><input type="radio"/> Yes <input type="radio"/> No</p>
<p>Please provide any additional comments</p>

28. How would you like to get information about the environmental restoration program at MCBQ?
(check all that apply)

- ☐ Social media (please specify which ones)
- ☐ MCBQ website updates
- ☐ Email notification (please provide email address at the end of this survey)
- ☐ Mail (please provide mailing address at the end of this survey)
- ☐ Newspaper
- ☐ Radio
- ☐ Meeting
- ☐ Other (please specify)

29. Who would you call if you had questions about the environmental restoration program at MCBQ?

- ☐ I don't know
- ☐ Other (please specify)

30. Do you have any other questions or comments about the environmental restoration program at MCBQ?

7. Contact Information

If you replied “yes” to questions about receiving email or mailed notifications, please provide your contact information on this page.

31. (Optional) If you replied “yes” to receiving email or mail, please provide the following information:

Name

Company (if applicable)

Address

Address 2

City/Town

State/Province

Zip/Postal Code

Email Address

Phone Number

32. May we contact you if we have questions about your responses to this questionnaire?

- ☐ Yes (please provide email or phone number)
- ☐ No

This concludes the questionnaire. Thank you for your time! Your responses will be kept confidential and used only in a summary format to update MCBQ’s Community Involvement Plan.



UNITED STATES MARINE CORPS
MARINE CORPS INSTALLATIONS NATIONAL CAPITAL REGION
MARINE CORPS BASE QUANTICO
3250 CATLIN AVENUE
QUANTICO VIRGINIA 22134 5001

5090
B 046

Senator NAME
Address 1
Address 2
Address 3

Dear Senator NAME:

The U.S. Marine Corps and the U.S. Navy are committed to protecting and conserving our environment and natural resources at Marine Corps Base Quantico. As part of this commitment, the Navy and Marine Corps Base Quantico, in partnership with the U.S. Environmental Protection Agency and the Virginia Department of Environmental Quality, implement the Environmental Restoration Program (ERP).

The ERP focuses on investigating and addressing contamination that may have occurred in the past due to spills, leaks, or historic disposal practices that are no longer acceptable under today's environmental regulations. It also includes the Munition Response Program, which addresses potential hazards from unexploded ordnance, discarded military munitions, and munitions constituents. Environmental restoration and munitions response are conducted under the Comprehensive Environmental Response, Compensation, and Liability Act process.

An important part of this effort is to understand what the community knows about the cleanup of this historic contamination, and to understand how people would like to be kept informed and aware of opportunities to participate in the decision-making process. To accomplish this, the Navy and Marine Corps Base Quantico prepare and implement a Community Involvement Plan specifically for the ERP. This document identifies community interests and describes how the Navy and Marine Corps Base Quantico will communicate with the public about environmental cleanup and munitions response activities.

To update the Community Involvement Plan, we need to hear from local community members. The best way to achieve that is for us to sit down with community members and ask questions. We have prepared a set of interview questions that can be used to guide an informal discussion about the community and cleanup efforts. The results of this interview will help us keep the public better informed and identify ways that the community can continue to provide input into the overall cleanup process. Responses to questions will be used in a summary format in the updated Community Involvement Plan and individuals will not be identified personally.

This letter is to inform you that we are reaching out to your constituents, but also to provide you or a designated staff person an opportunity to participate in an interview. Amy Brand is a community involvement specialist with CH2M HILL (now Jacobs), working under contract to the Navy to conduct community outreach activities. Ms. Brand will be conducting interviews in

5090
B 046

November 2018. If you or your designee would like to participate in a personal or telephone interview, please contact Ms. Brand at 757-803-3986 or amy.brand@jacobs.com.

If you have any questions, please contact Mr. Brian Ventura, Environmental Restoration Program Manager, at (703) 432-0521 or brian.ventura@usmc.mil. Thank you in advance for taking the time to help us update the ERP Community Involvement Plan.

Sincerely,

W. C. BENTLEY III
Colonel, U.S. Marine Corps
Commander



UNITED STATES MARINE CORPS
MARINE CORPS INSTALLATIONS NATIONAL CAPITAL REGION
MARINE CORPS BASE QUANTICO
3250 CATLIN AVENUE
QUANTICO VIRGINIA 22134 5001

5090
B 046

NAME
TITLE, DEPARTMENT
ADDRESS 1
CITY, STATE, ZIP

SALUTATION:

The U.S. Marine Corps and the U.S. Navy are committed to protecting and conserving our environment and natural resources at Marine Corps Base Quantico. As part of this commitment, the Navy and Marine Corps Base Quantico, in partnership with the U.S. Environmental Protection Agency and the Virginia Department of Environmental Quality, implement the Environmental Restoration Program (ERP).

The ERP focuses on investigating and addressing contamination that may have occurred in the past due to spills, leaks, or historic disposal practices that are no longer acceptable under today's environmental regulations. It also includes the Munition Response Program, which addresses potential hazards from unexploded ordnance, discarded military munitions, and munitions constituents. Environmental restoration and munitions response are conducted under the Comprehensive Environmental Response, Compensation, and Liability Act process.

An important part of this effort is to understand what the community knows about the cleanup of this historic contamination, and to understand how people would like to be kept informed and aware of opportunities to participate in the decision-making process. To accomplish this, the Navy and Marine Corps Base Quantico prepare and implement a Community Involvement Plan specifically for the ERP. This document identifies community interests and describes how the Navy and Marine Corps Base Quantico will communicate with the public about environmental cleanup and munitions response activities.

We need your help! To update the Community Involvement Plan, we need to hear from local community members. You can help us get a better picture of the community's knowledge about the ERP and help us understand what information the community wants or needs. The best way to achieve that is for us to sit down with people like you and ask questions. We have prepared a set of interview questions that can be used to guide an informal discussion about the community and cleanup efforts. The results of this interview will help us keep the public better informed and identify ways that the community can continue to provide input into the overall cleanup process. Responses to questions will be used in a summary format in the updated Community Involvement Plan and you will not be identified personally.

We hope that you will meet with us to participate in an interview. Amy Brand is a community involvement specialist with CH2M HILL (now Jacobs), working under contract to

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the Navy to conduct community outreach activities. Ms. Brand will be conducting interviews within the next month and will call you to coordinate a time to meet. Ms. Brand can meet at your convenience - during the day or evening, at your workplace or a public location like a coffee shop or library. If you are unavailable to meet, but do wish to participate, she can arrange to do a telephone interview with you. We are looking for input in October and November 2018.

If you have any questions, please contact Mr. Brian Ventura, Environmental Restoration Program Manager, at (703) 432-0521 or brian.ventura@usmc.mil. Thank you in advance for taking the time to help us update the ERP Community Involvement Plan.

Sincerely,

W. C. BENTLEY III
Colonel, U.S. Marine Corps
Commander

Appendix B

Summary of Community Interviews and Questionnaires

**COMMUNITY INVOLVEMENT QUESTIONNAIRE
for
ENVIRONMENTAL RESTORATION PROGRAM
MARINE CORPS BASE QUANTICO**



1. Welcome to the Community Involvement Questionnaire for Marine Corps Base Quantico (MCBQ)

As part of the overall environmental restoration program at Marine Corps Base Quantico (MCBQ), we are updating the Community Involvement Plan.

The environmental restoration program focuses on cleaning up environmental contamination caused by past disposal, storage, and handling of hazardous materials, including both chemical contaminants and discarded munitions and unexploded ordnance. The Community Involvement Plan guides how we will communicate with the community during implementation of this program.

To update the plan, we need input from local community members like you! Your confidential responses will be used in a summary format to update the Community Involvement Plan. The plan is a public document, which will be used by Marine Corps officials as a guide for community involvement in the environmental restoration program.

A copy will be placed in the information repositories located in the reference area at Chinn Park Regional Library in Prince William County, Porter Branch Library in Stafford County, and the MCBQ Natural Resources and Environmental Affairs Branch at 3049 Bordelon Street on base.

Thank you for participating in our questionnaire. Your input is valuable and will help the Marine Corps communicate effectively with the community about the environmental restoration program.

Following, in **bold red text**, are summarized responses from 17 personal interviews and 8 written questionnaires. Totals do not equal 25, however, because in some cases, people chose more than one response, and in other cases, people did not answer the question.

2. Profile

This section asks questions about you, your role in the local community, and the community in general.

1. What is your 5-digit zip code? Not provided			
2. How long have you lived in Stafford, Fauquier, or Prince William County (including Quantico)?			
1 < 1 year	3 11-15 years	5 I do not live in Stafford, Fauquier, or Prince William County (including Quantico)	
2 2-5 years	4 16-20 years		
1 6-10 years	3 > 21 years		
3. How long have you worked in Stafford, Fauquier, or Prince William County (including Quantico)?			
<input type="radio"/> < 1 year	4 11-15 years	<input type="radio"/> I do not work in in Stafford, Fauquier, or Prince William County (including Quantico)	
2 2-5 years	2 16-20 years		
3 6-10 years	5 > 21 years		
4. How would you describe your role in the community? (select all that apply)			
12 Local resident	3 Representative or member of a local environmental group		
1 Local business owner	<input type="radio"/> Community leader		
4 Local employee	<input type="radio"/> Other (please specify)		
2 Representative of a homeowner associate or other civic organization			
10 Public or elected official			
5. Have you or any of your relatives ever worked at Marine Corps Base Quantico (MCBQ)?			
9 Yes (me)	2 Yes (relative)	11 No (me)	11 No (relative)
6. On a scale of 1-10, do you think people in the local community are concerned about environmental issues in general?			
Scaled rating 6, 5, 5, 6, 7, 7, 8, 4, 6, 5			
<ul style="list-style-type: none"> Very x3 Some very, some not at all Regionally, pretty high 			
(1-Not concerned at all, 10-Extremely concerned)			

7. What do you think are the most important environmental issues facing your community today? (choose up to 4)

- | | | |
|---|------------------|-----------------------|
| 8 Traffic | 8 Drinking water | 4 Trash and littering |
| 8 Growth and development | 1 Food sources | 10 Water quality |
| 1 Chemical contamination in the environment | 2 Air quality | 1 Climate change |

Other (please specify): **groundwater (x4), stormwater runoff (x3), lead in soil, dry cleaners, Occoquan River, destruction of forests and loss of wildlife (= loss of quality of life), surface waters, wetlands, recycling, dumping, coal ash, sprawl, loss of trees, flooding, streams, animal protection, stormwater maintenance, community cleanups, dredging of Aquia Creek and Rappahannock**

3. Awareness of and Interest in Environmental Cleanup from Past Activities at MCBQ

This page will ask about your awareness of and interest in the environmental cleanup of past contamination at MCBQ through the environmental restoration program. Contamination may have resulted from historical disposal, storage, and handling of hazardous materials.

Don't worry if you don't know much about the environmental cleanup at MCBQ - that is useful information too!

8. Are you aware that the Navy and Marine Corps are investigating and cleaning up environmental contamination from past activities at MCBQ?

- | | | | |
|--------------|-----------------|------------------|------------|
| 7 Yes, aware | 3 Vaguely aware | 10 No, not aware | 2 Not sure |
|--------------|-----------------|------------------|------------|

9. If yes, what is your general understanding of the environmental cleanup activities?

- **Cleaning up a number of sites involving contaminants and unexploded ordnance**
- **Part of job**
- **Very aware of Lunga Reservoir – waiting to go camping and fishing again, surprised by lack of information about Lunga Reservoir, cause of delays, information is vague**
- **Not directly aware but have a great deal of trust in people on the base. No reason to think they're not doing what they should be doing.**
- **Quantico sponsored a large conference several years ago, talked about environmental cleanup**

10. On a scale of 1-10, how interested or concerned are you about the environmental cleanup activities at MCBQ?

Scaled rating **10, 7, 9, 9, 6, 8, 4, 1, 1, 3**

- **only as it affects groundwater (x2)**
- **more concerned with how it affects groundwater and surface water – lead would be the biggest concern**
- **generally interested in impacts to Potomac River**
- **only concerns are about noise and vibration from training (groundwater if it was coming off-base)**
- **generally have faith that they are doing the right thing**
- **concerned about creeks coming off base**
- **general interest – have many friends and citizens who work in the military**

(1-Not at all interested or concerned, 10-Extremely interested or concerned)

11. What issues related to the environmental cleanup activities at MCBQ interest or concern you the most?

Each item has a 1-5 scale from “not interested or concerned” to “very interested or concerned”.

Not applicable is also an option.

	not interested or concerned (1)	(2)	somewhat interested or concerned (3)	(4)	very interested or concerned (5)	not applicable
Potential health risk			1	4	3	
Soil	1	2	1	3	2	
Groundwater		1	3	1	7	
Property values	2	2	3			2
Health issues		1		5	3	
Surface water (ponds, streams)		2	3	1	3	
Air quality	2	1	1	3	2	

Other (please specify): **drinking water, noise (x2), contaminants from old laundry facilities, fuels, Occoquan River quality and flow, dumping (but don't think it is related to Quantico), stormwater, trail development, noise and vibration**

12. Do you feel you have been directly or indirectly affected by MCBQ's environmental sites?		
9 No	5 Not sure	3 Yes (please fill in comment box)
<ul style="list-style-type: none"> • We worry about any potential effects due to the water, having previously lived at Camp Lejeune. Spend a good deal of money buying our own water because of this. We have had periods of discoloration and some neighbors have had basically slush for water at times that we have seen firsthand. • Part of job • Poor agriculture due to dumping but don't think it is from Quantico • Hears about noise issues related to the ranges • Are site contaminants moving off-base (or off-shore) and affecting fish/wildlife? • Recreational use of trails • Potomac River has been affected by MCB Quantico • No concerns heard from residents. • County Supervisor is very pro-active about the environment. 		
13. On a scale of 1-10, how interested or concerned do you think community members are about the environmental cleanup activities at the base? Scaled rating 5, 6, 6, 7, 4, 8, 7, 1, 1, 1, 3 <ul style="list-style-type: none"> • Not at all unless it gets into groundwater (1-Not at all interested or concerned, 10-Extremely interested or concerned)		
14. Please provide any comments on your responses to Questions 10-13. <ul style="list-style-type: none"> • Depends on how knowledgeable they are in the first place. The more they know, the more interest shown. • Not likely to get a lot of public reaction unless it affects off-base groundwater. Tried to do a lot of outreach with the Joint Land use Study and didn't get much response. • People are getting very concerned about coal ash and do not necessarily realize that is different 		

4. Awareness of and Interest in Munitions Response at MCBQ

This page will ask about your awareness of and interest in munitions response at MCBQ through the environmental restoration program. Munitions response addresses environmental health and safety hazards from unexploded ordnance, discarded military munitions, and munitions constituents from historical use at the base.

Don't worry if you don't know much about munitions response at MCBQ - that is useful information too!

15. Are you aware that the Navy and Marine Corps are investigating and cleaning up munitions from past activities at MCBQ?

8 Yes, aware **2** Vaguely aware **11** No, not aware **3** Not sure

16. If yes, what is your general understanding of munitions response? Please describe.

- I've seen bright flags scattered throughout the base and when asked, I have been told that it is unexploded ordinance of some sort.**
- I am aware of the munitions cleanup at the site of the former Russell Elementary School and also various other places that I have seen little flags.**
- Identifying areas with UXO and cleaning them up as resources (i.e., \$\$\$) allow.**
- Generally aware of munitions cleanup at Lunga Reservoir – waiting for it to re-open for use**
- Things have been found in off-base community now and then (e.g., old cannonball) – we call EOD and they come get it**

17. On a scale of 1-10, how interested or concerned are you about munitions response at MCBQ?

Scaled rating **8, 7, 5, 7, 4, 9, 1, 1, 1, 1, 1, 2**
(1-Not at all interested or concerned, 10-Extremely interested or concerned)

18. What issues related to munitions response at MCBQ interest or concern you the most?

Each item has a 1-5 scale from “not interested or concerned” to “very interested or concerned”. Not applicable is also an option.

	not interested or concerned (1)	(2)	somewhat interested or concerned (3)	(4)	very interested or concerned (5)	not applicable
Soil		2	1	2	3	1
Potential Health Risk		1	1	4	2	
Groundwater		2	1	2	3	1
Surface Water (ponds, streams)		2	1	1	1	1
Property Values	1	3	1			2
Health Issues		2	1	2	2	
Air Quality		3	1	1	1	1
Other (please specify)						

- The potential for any possible physical damage due to any armed munitions.**
- No specific concerns as long as nothing is leaving the base. Biggest concern would be lead in groundwater.**

<p>19. Do you feel you have been directly or indirectly affected by MCBQ's past munitions sites?</p> <p>6 No 3 Not sure 7 Yes (please fill in comment box)</p> <ul style="list-style-type: none"> Can't use Lunga Reservoir
<p>20. On a scale of 1-10, how interested or concerned do you think community members are about munitions response at the base?</p> <p>Scaled rating 6, 7, 5, 6, 10, 1, 1, 2</p> <p>(1-Not at all interested or concerned, 10-Extremely interested or concerned)</p>
<p>21. Please provide any comments on your responses to Questions 17-20.</p> <ul style="list-style-type: none"> Occasionally a resident with ask about noise from live firing – not a concern, just curious Base does a good job informing us of live firing

5. Potential Community Involvement

This page addresses potential community involvement in the MCBQ environmental and munitions response program.

<p>22. A Restoration Advisory Board (RAB) is a stakeholder group that typically meets 1-2 times per year to discuss environmental restoration at a Department of Defense property. RABs enable people interested in the environmental cleanup and munitions response activities at a specific Base to exchange information with representatives of regulatory agencies, the installation, and the community. More information about RABs can be found here: http://denix.osd.mil/rab/home/</p> <p>MCBQ does not currently have a RAB. Do you think it needs one?</p> <p>3 Yes 9 No 7 Not sure</p>
<p>23. If MCBQ established a RAB, would you be interested in serving on it?</p> <p>5 Yes 5 Maybe – would need more information 7 No</p>
<p>Please add any comments</p> <ul style="list-style-type: none"> I'm not a subject matter expert and I don't need the extra work. Can't get a County Board member to go to joint meetings – would be hard to get a representative to go Would want to be a "customer" of the information from the meetings (but not join) Don't see a need for a RAB. If they are "forced" to establish one, would be happy to serve (town official) Haven't heard of anyone express the need for a RAB, but if established, would serve on it (environmental representative) Always good to have something like that The Joint Land Use Committee serves this purpose to some extent – regional organizations, county representatives, and environmental representatives all participate No direct or indirect effects from MCB Quantico

6. Information and Communications

This page addresses how you get information and how you might want to receive information about MCBQ's environmental restoration program.

24. How do you get news about your local community? (check all that apply)

- 13** Social media – please list platforms in comment box below (e.g., **Facebook**, **Twitter**, Snapchat, etc.)
- 9** Websites – please list websites in comment box
- 7** Newspaper (print) – please list papers in comment box
- 7** Newspaper (online) – please list papers in comment box
- 3** Radio – please list stations in comment box
- 11** Television – please list stations in comment box
- 4** Other – please provide more information
 - **People don't tend to pay attention to local news**
 - **NO on radio and television for local news**
 - **Military community (both on- and off-base) relies on the military to tell them (e.g., base newspaper) but non-military community pays no attention to the base**
 - **County e-blasts (app where you can choose the things that interest you)**

Please list social media platforms, websites, newspapers, and radio and television stations

- **base website**
- **emails from housing**
- **MCB Quantico Facebook**
- **base newspaper (x2)**
- **radio broadcasts and MCCC TV advertisements**
- **online news sources (The Hill, NPR, Al Jazeera America, BBC)**
- **WTOP/Emblem/NPR**
- **Facebook x6**
- ***Free Lance Star* x3**
- ***Fauquier Now* x4**
- **Fauquier.com (Fauquier Times newspaper online) x4**
- ***Prince William Times* x5**
- ***Inside NOVA* (x3)**
- **Ococoquan issues a monthly newsletter and occasional online e-news updates**
- **Town and County websites**
- **County announcements – e-blasts, newsletters x3**
- **Dumfries flyer**
- ***Potomac News* x2**
- **Supervisors newsletters x3**
- **Neighborhood list-servs**
- **Local cable television x4 (Channel 23, local government station)**
- ***Bull Run Observer* x2**

25. Have you ever used the information repositories at Chinn Park Regional Library in Prince William County and/or Porter Branch Library in Stafford County?

1 Yes

13 No

6 Not aware of them

That is the best location though.

<p>26. Have you ever visited the MCBQ environmental cleanup and munitions response website: https://www.navfac.navy.mil/products_and_services/ev/products_and_services/env_restoration/installation_map/navfac_atlantic/washington/mcb_quantico.html</p>		
2 Yes	13 No	6 Not aware of it
<ul style="list-style-type: none"> Is it linked to the base website? Looked at it before interview– not much there Could add link to County website 		
<p>27. If yes to Questions 25 and 26, was the information available there useful to you?</p>		
4 Yes	5 No	
<p>Please provide any additional comments</p> <ul style="list-style-type: none"> Part of job Local town – only 70% have home computers – lower than average population 		
<p>28. How would you like to get information about the environmental restoration program at MCBQ? (check all that apply)</p>		
<p>4 Social media (please specify which ones) Facebook</p>		
<p>10 MCBQ website updates</p>		
<p>7 Email notification (please provide email address at the end of this survey)</p>		
<p>3 Mail (please provide mailing address at the end of this survey)</p>		
<p>4 Newspaper – online versions of local papers (people will spread it through social media) do an annual update through local newspapers</p>		
<p>1 Radio</p>		
<p>Meeting</p>		

Other (please specify):

- **fact sheet (emailed, posted online)**
- **put announcement in annual environmental report, post to website**
- **add brief announcements to mass notification about Marine Corps events**
- **Fox News and CNN (for big issues)**
- **Presentation to Town Council (broadcast on cable TV)**
- **Post at Dunkin Donuts and Harold & Kathy's Diner on Route 1**
- **Offer information in Spanish too**
- **Local town can post on their Facebook and social media accounts**
- **Bimonthly meetings of environmental representatives – could schedule a speaker**
- **Prince William Conservation Alliance – can put in their newsletter (large membership)**
- **Reach businesses through Quantico/Fort Belvoir Alliance**
- **Reach out the Prince William Park to communicate with park visitors – the back-country boundary is not always clear**
- **George Mason University – talk to faculty and students, they have a research lab on the Potomac (x2)**
- **Prince William Wildflower Society – would be interested in environmental restoration with native plants (and could help provide volunteers)**
- **Present to County Boards of Supervisors – a lot of turnover at elections**
- **Keep County Board of Supervisors informed – they send out online updates, monthly newsletters, or do town hall meetings. (x5)**
- **Local Environmental Education Partners – would be glad to have someone from the base come speak or come to a meeting. Could also speak to Keep Prince William Beautiful or Greater Climate Action Team**
- **Quantico Marine Corps Museum – lots of programs and talk on various topics, it is well-visited, could place a display there x2**
- **Email blasts are sent out by Counties**
- **Local government television station allows others to place information**
- **Send information to Counties, they can farm out through their website, online newsletters**

29. Who would you call if you had questions about the environmental restoration program at MCBQ?

7 I don't know

7 Other (please specify)

- **My Co-worker**
- **NREA (3)**
- **Call the Base**
- **Base PAO**
- **Go through internal colleagues (County) who know people**
- **Base Commander's office (x2)**
- **Call switchboard – they're able to route to the right person**
- **John Rohm at MCB Quantico**
- **Would look on website for a contact person**

30. Do you have any other questions or comments about the environmental restoration program at MCBQ?

- If no environmental impact outside the base, no need to really do much outreach off-base. Don't stir the pot.
- The current Base Commander meets with local official monthly – very open communication, very interested in relationship with community. Previous base commanders were not as interested in meeting regularly.
- Base has been super cooperative with the community – helps with Prince William bike event which starts at the Marine Corps Museum and goes through the base.
- Not a huge need for more information in the public. If you do put out a lot of information, there will always be someone who will pay attention and become a pain in the neck. Only push out more information if it is good news or big success stories
- The Base's environmental impact has been positive – mitigation funding for buffers around the base to help mitigate impacts and conserve land
- Be aware of Quantico Creek cleanup process and how that Base may be affected or involved
- Not a lot of demand for information in Fauquier County – only if there are off-base groundwater impacts
- Training information already goes out from PAO– people can sign up for updates
- Quantico has a good relationship with surrounding Counties
- Already participate in the Joint Land Use Committee
- County representatives participate in quarterly meetings with the Commander's office
- Tend to have faith (based on good relationship with Quantico) that they are doing the right thing
- Young Marines in the community represent the military and MCB Quantico well – no problems in communities
- The Bluebell Festival is supported by MCB Quantico
- The Nokesville Christmas Birdcount Circle – work with MCB Quantico, good partner
- MCB Quantico was a pleasure to work with during development of Merrimac Farm Wildlife Management Area
- Pro-military area, MCB Quantico has a good relationship with the local community

Contact Information

If you replied “yes” to questions about receiving email or mailed notifications, please provide your contact information on this page.

31. (Optional) If you replied “yes” to receiving email or mail, please provide the following information:

Name

Company (if applicable)

Address

Address 2

City/Town

State/Province

Zip/Postal Code

Email Address

Phone Number

32. May we contact you if we have questions about your responses to this questionnaire?

3 Yes (please provide email or phone number)

3 No

This concludes the questionnaire. Thank you for your time! Your responses will be kept confidential and used only in a summary format to update MCBQ’s Community Involvement Plan.

Appendix C

Key Community Contacts

Appendix C-1
Local Stakeholders

Office	Name	Address1	Address2	City	St	Zip	Phone	E-mail
STAFFORD COUNTY								
Chair, Board of Supervisors, Garrisonville District	Pamela Yeung	P.O. Box 339		Stafford	VA	22555-0339	540-273-2506	pyeung@staffordcountyva.gov
Supervisor, Falmouth District	Meg Bohmke	P.O. Box 339		Stafford	VA	22555-0339	540-809-2857	mbohmke@staffordcountyva.gov
Supervisor, George Washington District	Thomas Coen	P.O. Box 339		Stafford	VA	22555-0339	540-368-4924	tcoen@staffordcountyva.gov
Supervisor, Aquia District	Monica Gary	P.O. Box 339		Stafford	VA	22555-0339	540-220-2315	mgary@staffordcountyva.gov
Supervisor, Griffis-Widewater District	Tinesha Allen	P.O. Box 339		Stafford	VA	22555-0339	540-940-5099	tallen@staffordcountyva.gov
Supervisor, Hartwood District	Darrell E. English	P.O. Box 339		Stafford	VA	22555-0339	540-295-5974	denglish@staffordcountyva.gov
Supervisor, Rock Hill District	Crystal Vanuch	P.O. Box 339		Stafford	VA	22555-0339	540-361-0905	cvanuch@staffordcountyva.gov
County Administrator	Randal E. Vosburg	1300 Courthouse Road	3rd Floor	Stafford	VA	22554	540-658-4541	rvosburg@staffordcountyva.gov
Director, Economic Development	Kyle Allwine	P.O. Box 339		Stafford	VA	22555-0339	540-658-8681	econdev@staffordcountyva.gov
Chief Director of Development Services & Community Development	Paul Santay	P.O. Box 339		Stafford	VA	22555-0339	n/a	psantay@staffordcountyva.gov
Community Engagement Manager	Shannon Eubanks	1300 Courthouse Road		Stafford	VA	22554	540-658-4893 540-498-8176 (cell)	showell@staffordcountyva.gov
Chief Public Works Officer and Executive Director of Facilities & Maintenance Stafford Public Schools	Jason Towery, P.E.	1300 Courthouse Road	2nd Floor	Stafford	VA	22554	540-658-4208	jtowery@staffordcountyva.gov and toweryjd@staffordschools.net
Superintendent Stafford County Public Schools	Dr. Thomas W Taylor	31 Stafford Avenue		Stafford	VA	22554	540-658-6000	suptoffice@staffordschools.net
PRINCE WILLIAM COUNTY								
Board of Supervisors, Chair at Large	Ann B. Wheeler	McCoart Administration Building	1 County Complex Court	Prince William	VA	22192	703-792-4640	chair@pwcgov.org
Supervisor, Brentsville District	Jeanine Lawson	9440 Innovation Drive		Manassas	VA	20110	703-792-6190	jlawson@pwcgov.org
Supervisor, Coles District	Yesli Vega	13476 Dumfries Road		Manassas	VA	20112	703-792-4620	yvega@pwcgov.org
Supervisor, Gainesville District	Robert B. Weir	3575 Heathcote Boulevard, Suite 150		Gainesville	VA	20155	703-792-6195	bweir@pwcgov.org
Supervisor, Neabsco District	Victor S. Angry	2700 Neabsco Common Place		Prince William	VA	22191	703-792-4668	vsangry@pwcgov.org
Supervisor, Occoquan District	Kenny Boddye	2241-K Tackett's Mill Drive		Woodbridge	VA	22192	703-792-4643	kboddye@pwcgov.org
Supervisor, Potomac District	Andrea Bailey	850 Fettler Park Drive Suite 310		Dumfries	VA	22025	703-792-4563	abailey@pwcgov.org
Supervisor, Woodbridge District	Margaret Franklin	15941 Donald Curtis Drive		Woodbridge	VA	22191	703-792-4646	mfranklin@pwcgov.org
County Executive	Christopher Shorter	Office of Executive Management	1 County Complex Court	Prince William	VA	22192	703-692-6600	communications@pwcgov.org
Economic Development, Director	Christina Winn	13575 Heathcote Boulevard	Suite 240	Gainesville	VA	20155	703-792-5500	econdev@pwcgov.org
Communications Director	Nicole Brown (acting)	Office of Executive Management	1 County Complex Court	Prince William	VA	22192	703-792-6606	communications@pwcgov.org or nbrown@pwcgov.org
Equity & Inclusion Officer	Maria D. Burgos	Office of Executive Management	1 County Complex Court	Prince William	VA	22192	703-792-8696	Elpwcgov.org
Public Works Director, Environmental Management	Thomas J. Smith	5 County Complex Court	Suite 170	Prince William	VA	22192	703-792-6820	publicworks@pwcgov.org
FAUQUIER COUNTY								
Board of Supervisors, Cedar Run District	Richard Gerhardt	Fauquier County Administration	10 Hotel Street, Suite 204	Warrenton	VA	20186	540-422-8001	richard.gerhardt@fauquiercounty.gov
Board of Supervisors, Chair	Christopher T. Butler	Fauquier County Administration	10 Hotel Street, Suite 204	Warrenton	VA	20186	540-422-8020	chris.butler@fauquiercounty.gov
County Administrator	Janelle Downes	Fauquier County Administration	10 Hotel Street, Suite 204	Warrenton	VA	20186	540-422-8001	janelle.downes.adm@fauquiercounty.gov
Director of Economic Development	Doug Parsons	35 Culpeper Street		Warrenton	VA	20186	540-422-8270	doug.parsons@fauquiercounty.gov

Appendix C-1
Local Stakeholders

Office	Name	Address1	Address2	City	St	Zip	Phone	E-mail
Director of Community Development	Holly Meade		10 Hotel Street, 3rd Floor	Warrenton	VA	20186	540-222-8210	holly.meade@fauquiercounty.gov
TOWN OF QUANTICO								
Mayor	Kevin P. Brown	337 5th Avenue		Quantico	VA	22134	703-640-7411	mayor@townofquantico.org
Chief of Police	Byron Bailey	337 5th Avenue		Quantico	VA	22134	703-640-6500	chiefofpolice@townofquantico.org
TOWN OF DUMFRIES								
Mayor	Derrick Wood	Town Hall	17755 Main Street	Dumfries	VA	22026	703-221-3400	hondwood@dumphriesva.gov
Town Manager	Tangela Innis	Town Hall	17755 Main Street	Dumfries	VA	22026	703-221-3400, ext. 113	tinnis@dumfriesva.gov
Town Planner	Nicholas Cicero	Town Hall	17739 Main Street, Suite 200	Dumfries	VA	22026	703-221-3400 x140	ncicero@dumfriesva.gov
TOWN OF OCCOQUAN								
Mayor	Earnie Porta, JD, PhD	PO Box 195	314 Mill Street	Occoquan	VA	22125	703-491-1918	eporta@occoquanva.gov
Town Manager/Chief of Police	Adam Linn	PO Box 195	314 Mill Street	Occoquan	VA	22125	703-491-1918	alinn@occoquanva.gov
COMMUNITY REPRESENTATIVES								
Greater Fredericksburg Black Chamber of Commerce (Stafford County)	Lamont Brown, President						540-322-2875	info@greaterfredbcc.com
Fredericksburg Regional Chamber of Commerce	Susan Spears, President & CEO	2300 Fall Hill Avenue	Suite 240	Fredericksburg	VA	22401	540-373-9400 x229	susan@fxbgchamber.org
Prince William County Chamber of Commerce	Robert Sweeney, President & CEO	9720 Capital Court	Suite 203	Manassas	VA	20110	703-368-6600	rsweeney@pwchamber.org
Northern Virginia Black Chamber of Commerce (Fauquier and Prince William Counties)	Samuel Wiggins, Chairman, Board of Directors	8300 Boone Boulevard, Suite 450		Tysons Corner	VA	22182	703-442-4472	info@northernviriniabcc.org
Fredericksburg Branch NAACP	Charlyn Jackson-Fields, President	PO Box 3071		Fredericksburg	VA	22402	540-710 -1349	branch7069@gmail.com
Prince William Area Branch NAACP	Reverend Cozy Bailey, President	P.O. Box 449		Manassas	VA	20110	703-586-7126 or 571-357-3008	info@pwnaACP.org
Stafford County Branch NAACP	Yolanda Roussell, President	P.O. Box 160		Stafford	VA	22555	540-300-7372	info@staffordnaACP.org
Izaak Walton League, Prince William Chapter	Robert Lazaro, Executive Dir	12506 Izaak Walton Drive		Brentsville	VA	20136	703-335-0820	admin@pwiwla.org
Prince William Forest Park	George Liffert	18100 Park Headquarters Road		Triangle	VA	22172	703-221-2925	George_Liffert@nps.gov or prwi_info@nps.gov
American Legion Post 28	Willey McCrory, Commander	17934 Liming Lane		Triangle	VA	22172	703-221-2507	
Hawkins-Reeve VFW Post 7916	Jeff Lett, Commander	204 Mill Street		Occoquan	VA	22125	703-491-1884	adjpost7916@va.vfwwebmail
Aquia Harbour Property Owners Association	Mary Russell, General Manager	1221 Washington Drive		Stafford	VA	22554	540-659-3050	gm@aquiaharbour.org
Prince William Conservation Alliance	Ashley Studholme, Executive Director	PO Box 6351		Woodbridge	VA	22195	703-490-5200 703-499-4954	ashley@pwconserve.org
Northern Virginia Conservation Trust	Alan Rowsome, Executive Director	4022-A Hummer Road		Annandale	VA	22003	703-354-5093	arowsome@nvct.org
Virginia Outdoors Federation	Brett Glymph, Executive Director	39 Garrett Street	Suite 200	Warrenton	VA	20186	540-347-7727	brett@vof.org
Piedmont Environmental Council	Bri West, Director of Outreach & Communications	45 Horner Street		Warrenton	VA	20186	540-347-2334 x7020	bwest@pecva.org
Rappahannock-Rapidan Regional Commission	Patrick Mauney, Executive Director	420 Southridge Parkway	Suite 106	Culpeper	VA	22701	540-829-7450	planinfo@rrregion.org
Northern Virginia Regional Commission	Robert Lazaro, Executive Director	3040 Williams Drive	Suite 200	Fairfax	VA	22031	703-642-4629	rlazaro@novaregion.org
Northern Virginia Regional Commission	Peggy Tadej, Director of Military Affairs	3040 Williams Drive	Suite 200	Fairfax	VA	22031	703-642-4635	peggy.tadej@novaregion.org
George Washington Regional Commission	Chip Boyles, Executive Director	406 Princess Anne Street		Fredericksburg	VA	22401	(540) 642-1580	chip.boyles@gwregion.org

Appendix C-2
Federal and State Elected Officials

Organization	Title	Name	Address1	Address2	City	St	Zip	Phone	E-mail
FEDERAL ELECTED OFFICIALS									
U.S. Senate	Senator	Tim Kaine	9408 Grant Avenue	Suite 202	Manassas	VA	20110	703-361-3192	online form
U.S. Senate	Senator	Mark Warner	8150 Leesburg Pike Suite 700	Suite 200	Vienna	VA	22182	703-442-0670	online form
U.S. Representative, District 1	Representative	Robert Wittman	95 Dunn Drive	Suite 201	Stafford	VA	22556	540-659-2734	online form
U.S. Representative, District 11	Representative	Gerald Connolly	3341-D Tacketts Mill Drive		Woodbridge	VA	22192	571-408-4407	online form
STATE ELECTED OFFICIALS									
Governor	Governor	Glenn Youngkin	Office of the Governor	P.O Box 1475	Richmond	VA	23218	804-786-2211	glenn.youngkin@governor.virginia.gov
Senate District 36	Senator	Scott A. Surovell	PO Box 289		Mount Vernon	VA	22121	571-249-4484	district36@senate.virginia.gov
Senate District 28	Senator	Richard Stuart	PO Box 1146		Montross	VA	22520	804-493-8892	district28@senate.virginia.gov
Delegate District 52	Delegate	Luke E Torian	4222 Fortuna Plaza	Suite 659	Dumfries	VA	22025	703-785-2224	DelLTorian@house.virginia.gov
Delegate District 28	Delegate	Tara Durant	PO Box 9142		Fredericksburg	VA	22403	540-693-0726	DelBThomas@house.virginia.gov
Delegate District 2	Delegate	Candi Mundon King	PO Box 5113		Woodbridge	VA	22194	(540) 318-3413	DelCMundonKing@house.virginia.gov
Delegate District 51	Delegate	Brianna Sewell	PO Box 7434		Woodbridge	VA	22195	(703) 261-4746	DelBSewell@house.virginia.gov
Delegate District 31	Delegate	Elizabeth R. Guzman	PO Box 1818		Woodbridge	VA	22195	571-403-1213	DelEGuzman@house.virginia.gov

Appendix D

Recent Public Notice Examples

FOR PUBLIC REVIEW AND COMMENT



ENGINEERING EVALUATION/COST ANALYSIS

for

Little Creek Skeet Range (UXO 001)

Marine Corps Installations National Capital Region –
Marine Corps Base Quantico
Quantico, Virginia



Under the Munitions Response Program, the Department of the Navy (Navy), in cooperation with the Virginia Department of Environmental Quality (VDEQ) recently completed a study to evaluate alternatives for a response action at the Little Creek Skeet Range (UXO 001) at Marine Corps Installations National Capital Region - Marine Corps Base Quantico (MCBQ). The Munitions Response Program (MRP) addresses munitions-related hazards and risks associated with munitions and explosives of concern (MEC) and munitions constituents. The MRP follows the investigation and remediation process defined in the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLA requires development of an Engineering Evaluation/Cost Analysis (EE/CA) to evaluate removal alternatives prior to conducting a response action. The Navy, as lead agency, has prepared an EE/CA in accordance with CERCLA and the National Contingency Plan.

UXO 001 is a former skeet and trap range on the Mainside of MCBQ. The range was operated from 1936 to the mid-1940s. Ammunition used at the range likely was limited to small-arms ammunition (12-gauge or smaller shotgun). The site is comprised of the 12th and 13th holes of the Medal of Honor Golf Course and a wooded area used for hiking. Range-related and non-range-related debris is present in small piles and scattered across the land surface. Testing conducted in 2015 indicated that a roofing shingle at the site contained asbestos, therefore all roofing shingles are assumed to be asbestos-containing material (ACM). Based on investigations performed at the site, there is no evidence indicating the presence of MEC.

The EE/CA evaluates alternatives to reduce the potential for human contact with surface soils that may contain polynuclear aromatic hydrocarbons and debris piles that may contain Asbestos Containing Material (ACM). As a result of the EE/CA, ***the Navy is proposing to remove impacted soil and ACM debris posing potential human health and ecological risks to 1 foot below the ground surface.***

The Navy invites public review of the EE/CA and public comment on the recommended alternative. Public participation is an important part of the remedy selection process and the Navy's preferred alternative may be modified based on new information and/or public comments. The EE/CA, along with other general and site-specific information, is available for public review on the Navy's environmental website for MCBQ (<https://go.usa.gov/xngKr>). Hardcopies of the EE/CA are available for public review at the following information repositories:

Information Repositories

Chinn Park Regional Library
13065 Chinn Park Drive
Woodbridge, VA 22192
703-792-4800

John Musante Porter Memorial Library
2001 Parkway Blvd
Stafford, VA 22254
540-659-4909

Marine Corps Base Quantico
Natural Resources and Environmental Affairs (NREA) Branch
2006 Hawkins Avenue
Quantico, VA 22134-5001

The Navy will finalize its removal plan after considering all comments received during the **public comment period (April 1-30)** on this proposed action. Comments or requests for additional information can be submitted by email or mail **by April 30** to:

Victoria Waranoski
Remedial Project Manager
NAVFAC Washington
Washington Navy Yard, Building 212
1314 Harwood Street, SE
Washington, DC 20374-5018

Phone: 202-685-8056

Email: victoria.m.waranoski.civ@us.navy.mil

Rodney Aguirre
MCBQ Environmental Restoration
Program Coordinator
NREA Branch
2006 Hawkins Avenue
Quantico, VA 22134-5001
Email: rodney.aguirre@usmc.mil



**PUBLIC NOTICE OF
TIME-CRITICAL REMOVAL ACTION**

**Surface Removal of Munitions and
Explosives of Concern along
Recreational Trails**



**Munitions Response Sites UXO 013A, 13B, 019, 021 and 025
Marine Corps Base Quantico, Quantico, Virginia**

The Department of the Navy, and Marine Corps Base Quantico (MCBQ), in cooperation with the United States Environmental Protection Agency and the Virginia Department of Environmental Quality, performed a Time-Critical Removal Action (TCRA) for munitions items consisting of munitions and explosives of concern and material potentially presenting an explosive hazard located along recreational trails that cross five munitions response sites at MCBQ in Quantico, Virginia.

This TCRA was conducted as part of the Department of the Navy's Munitions Response Program, which addresses potential environmental health and safety hazards from past unexploded ordnance, discarded military munitions, and munitions constituents. The goal of the TCRA was to mitigate potential explosive hazards to support current, ongoing, unrestricted recreational use of the trails by removing munitions items on and immediately adjacent to the trails. The trails are typically used by recreational hikers and runners, equestrians, and hunters (archery only). In addition, removal of munitions items at the contractor staging area located at UXO 019 is also identified as part of this TCRA.

AFFECTED AREA: The five munitions response sites are located on the Mainside of MCBQ east of Interstate 95 and west of the Potomac River as identified in Figure 1. These sites were identified as munitions response sites based on historical artillery, mortar, and grenade range firing and military maneuver training activities between 1917 and 1952. Most of the sites are located in wooded and undeveloped areas where the primary use consists of recreational trails which cross the sites. Developed portions of the sites include the contractors staging area at UXO 019 (for storage and equipment staging for contractors providing building and related construction support at MCBQ) and other buildings located within, or immediately adjacent to, the site boundaries. A total of over eight miles of recreational trails are located within these sites; approximately six miles of these trails have not previously undergone munitions clearance activities. The contractor staging area within UXO 019 is approximately two acres in size.

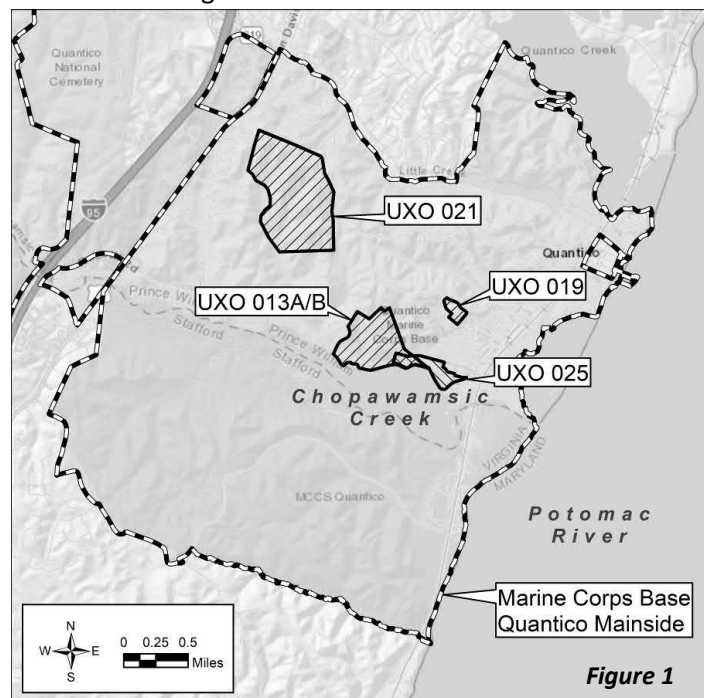


Figure 1

TCRA: The TCRA specified that unexploded ordnance technicians using metal detectors identified and removed munitions-related items that were protruding or visible above the soil surface (including those below the leaf litter). Munitions items were to be removed from the trails within the munitions response sites, as well as from a 10-foot buffer from each side of the trail. In addition, munitions items were to be removed from the contractor staging area at UXO 019. A total of more than 6 linear miles of trails and over 21 acres were planned for clearance of munitions as part of this TCRA. Any munitions items recovered would be inspected and handled by unexploded ordnance technicians to ensure no explosive hazard is present with subsequent off-site disposal of the munitions items recovered.

The TCRA was initiated in early-May 2021 and the field activities were completed in mid-May 2021. Documentation of results and reporting is ongoing with a Surface Clearance TCRA Technical Memorandum anticipated for completion in August 2021.

FOR MORE INFORMATION

More details on the TCRA and history of the munitions response sites can be found in the *Action Memorandum for Surface Clearance Time Critical Removal Action of Munitions and Explosives of Concern and Material Potentially Presenting an Explosive Hazard, Munitions Response Sites UXO 013A, UXO 013B, UXO 019, UXO 021, and UXO 025*. This Action Memorandum and related documents are posted on the Navy's environmental website for MCBQ (<https://go.usa.gov/xngKr>). The Action Memorandum can also be found in the information repositories at the following locations:

Chinn Park Regional Library
13065 Chinn Park Drive
Woodbridge, VA 22192
Phone: (703) 792-4800

John Musante Porter Library
2001 Parkway Blvd
Stafford, VA 22254
Phone: (540) 659-4909

Marine Corps Base Quantico
Natural Resources and
Environmental Affairs Branch
2006 Hawkins Avenue
Floor 3, Room 312
Quantico, VA 22134-5001
Phone: (703) 432-0521

For more information, please contact Rodney Aguirre, MCBQ Environmental Restoration Program Coordinator, at (703) 432-0521 or rodney.aguirre@usmc.mil.



FOR PUBLIC REVIEW AND COMMENT

Proposed Remedial Action Plan

Site UXO 019 (Grenade Field)
Marine Corps Installations National Capital Region
Marine Corps Base Quantico, Quantico, Virginia



The Department of the Navy, and Marine Corps Installations National Capital Region - Marine Corps Base Quantico (MCBQ), in cooperation with the United States Environmental Protection Agency (EPA) and the Virginia Department of Environmental Quality (VDEQ), has issued a Proposed Remedial Action Plan to address Site UXO 019 (Grenade Field). This work is being completed as part of the Environmental Restoration Program.

The Plan describes historical investigations, the Time-Critical Removal Action previously performed, and the remedial alternatives evaluated for UXO 019. It provides the rationale for proposing limited surface removal of munitions and explosives of concern (MEC) with Land Use Controls as the final remedy to address potential explosive hazards associated with MEC at UXO 019.

ENVIRONMENTAL HISTORY: Site UXO 019 is located on the Mainside portion of MCBQ. The site was identified on historical facility maps as a former hand and rifle grenade training field that was used sporadically from approximately 1917 to 1942. The site covers 11.9 acres. The northeastern part of the site is currently used as a contractor staging area for construction-related projects. The rest of the site is wooded with uneven terrain. Three recreational trails used by Base residents, employees, and recreational visitors cross the site.

Multiple investigations have been conducted using metal detectors, digital geophysical mapping, intrusive investigations (digging), and other investigative techniques. These investigations have revealed limited MEC and Material Potentially Presenting an Explosive Hazard (MPPEH).

A feasibility study was completed in 2021 to develop remedial alternatives to reduce potential explosive hazards to people who might encounter MEC at the surface or in the subsurface. Three alternatives, including a required "no action alternative" were evaluated.

In 2021, a Time-Critical Removal Action was conducted to mitigate potential explosive hazards to recreational users of the trails. This removal action consisted of part of Alternative 2 in the Feasibility Study by implementing a surface clearance across 3.1 acres of the site, including 0.8 acres of trails and a 10-foot buffer on either side of the trails. One MPPEH item (a practice hand grenade) was recovered and ultimately determined to be safe; no MEC items were recovered.

PROPOSED REMEDIAL ACTION (CLEANUP) ALTERNATIVE: Based on the results of the investigations, the Navy analyzed several options for reducing the risk to people. These alternatives were evaluated against established criteria, as described in the Proposed Remedial Action Plan.

The Navy is proposing to implement the remaining part of Alternative 2. The surface removal portion of this alternative was implemented as the Time-Critical Removal Action. The rest of the alternative is to implement Land Use Controls, which restrict use of or access to the site to reduce risk. Land Use Controls proposed for UXO 019 include activities such as installing warning signs at all trail entry points, revising the Mainside Trail Guide to address what to do in case munitions are encountered, providing munitions safety awareness training for MCBQ staff, requiring a permit for excavation within the site area, and performing periodic inspections of the site. Ongoing Five-Year Reviews will be conducted to evaluate whether Alternative 2 continues to protect human health.

PUBLIC REVIEW: Public participation is an important part of the remedy selection process and the Navy's preferred alternative may be modified based on new information and/or public comments. The Navy will finalize its plan, with EPA and VDEQ concurrence, after reviewing all comments received during the public comment period (**October 1-31**).

You can review the Proposed Remedial Action Plan and related site documents on the Navy's environmental website for MCBQ (<https://go.usa.gov/xSpNF>) or at the following locations:

Chinn Park Regional Library
13065 Chinn Park Drive
Woodbridge, VA 22192
Phone: (703) 792-4800

John Musante Porter Library
2001 Parkway Blvd
Stafford, VA 22254
Phone: (540) 659-4909

Marine Corps Base Quantico
Natural Resources and
Environmental Affairs Branch
2006 Hawkins Ave
Quantico, VA 22134-5001
Phone: (703) 432-1335

A pre-recorded presentation about the site and the proposed alternative is also available on the website for viewing at your convenience. An online public meeting will be held on **October 3** to view the recorded presentation and discuss the preferred alternative with project managers. More information about how to access this meeting can be found here: <https://go.usa.gov/xSpNF>

TO SUBMIT COMMENTS: Written comments can be submitted **October 1-31, 2022** by email or mail to:

Victoria Waranoski
Remedial Project Manager

NAVFAC Washington
Building 212, Second Floor
1314 Harwood Street SE
Washington Navy Yard, DC 20374-5018

Email: victoria.m.waranoski.civ@us.navy.mil

J. David Grose

Environmental Compliance Section Head

2006 Hawkins Ave
Natural Resources and Environmental Affairs Branch
MCINCR, MCB Quantico
Quantico, VA 22134

Email: john.d.grose@usmc.mil

The Navy will finalize its plan, with EPA and VDEQ concurrence, after reviewing all comments received during the public comment period. Responses to comments will be summarized in a Responsiveness Summary, which is part of the Record of Decision and will be placed in the Administrative Record, also available on the website.



Five-Year Review of Environmental Sites Completed

Marine Corps Installations National
Capital Region - Marine Corps Base Quantico
Quantico, Virginia



The Department of the Navy, Naval Facilities Engineering Systems Command Washington (NAVFAC), the Marine Corps Installations National Capital Region - Marine Corps Base Quantico (MCBQ), the United States Environmental Protection Agency (EPA), and the Virginia Department of Environmental Quality (VDEQ), have worked together to complete a Five-Year Review of ongoing remedial actions (environmental cleanup) at five sites at the installation.

The purpose of a Five-Year Review is to ensure that cleanup actions are continuing to protect human health and the environment. A site is included in the Five-Year Review if contaminants remain above levels that would allow for unlimited use and unrestricted exposure and if there is a signed Record of Decision (ROD) in place. The ROD, which includes an evaluation of the potential human health or environmental risks posed by the site, documents the cleanup remedy that was selected following consideration of public comments. This is the fifth Five-Year Review for MCBQ.

The following sites were included in this Five-Year Review:

Site 4: Old Landfill

Site 95: Building 2101 Paint Booth Sump

Site 99: Quantico Embayment

Site 100: Chopawamsic Creek

Site 104: Building 2113 Underground Tank
Loading/Unloading Area

Community members who have questions, comments, or information about the effectiveness of the remedies are encouraged to contact the Environmental Restoration Program Coordinator at (703) 432-0521. The Five-Year Review and other associated documents can be reviewed at the MCBQ administrative record information repositories listed below and on the MCBQ Environmental Restoration Program web site listed below:

Information Repositories

Chinn Park Regional Library
13065 Chinn Park Drive
Woodbridge, VA 22192
703-792-4800

John Musante Porter Memorial Library
2001 Parkway Blvd
Stafford, VA 22254
540-659-4909

Marine Corps Base Quantico
Natural Resources and Environmental Affairs Branch
2006 Hawkins Avenue
Floor 3, Room 312
Quantico, VA 22134-5001
703-784-4030

MCBQ Environmental Restoration Program web site:
<https://go.usa.gov/xSpNF>



FOR PUBLIC REVIEW AND COMMENT

Proposed Remedial Action Plan

Site 102 (Abraham's Creek)
Marine Corps Installations National Capital Region -
Marine Corps Base Quantico, Quantico, Virginia



The Department of the Navy, and Marine Corps Installations National Capital Region - Marine Corps Base Quantico (MCBQ), in cooperation with the United States Environmental Protection Agency (EPA) and the Virginia Department of Environmental Quality (VDEQ), has issued a Proposed Remedial Action Plan to address Site 102, Abraham's Creek. This work is being completed as part of the Environmental Restoration Program, which addresses contamination on bases resulting from past use and disposal practices for chemicals and petroleum products.

ENVIRONMENTAL HISTORY: Site 102 is located on the eastern side of MCBQ. It is made up of three shallow ponds and wetland areas located between the forested training grounds to the west and parade grounds, barracks, and the Officer Candidate School buildings to the east. These ponds are collectively referred to as Abraham's Creek.

Site investigations have identified pesticide and polychlorinated biphenyl (PCB) contamination in Abraham's Creek sediments. The pesticide contaminant is dichlorodiphenyl-trichloroethane (DDT) and its breakdown products, which together are commonly referred to as DDx. PCBs and DDx do not dissolve easily in water but instead remain attached to sediment and organic matter; therefore, sediment is the only affected media. Sediment in Abraham's Creek does not tend to be suspended in the water due to low currents, vegetation, and the type of sediment found. The remedial investigation did not identify any sources of contamination around the site and there are no known continuing sources of DDx or PCBs to Site 102.

Risk-assessments completed as part of the remedial investigation process did not indicate a risk to human health that requires action. However, there is potential risk to "ecological receptors" -- fish-eating (piscivorous) birds and mammals, and insect-eating (insectivorous) birds -- due to dietary exposure to DDx in two areas of Abraham's Creek. PCBs were determined not to pose an unacceptable ecological risk.

PROPOSED REMEDIAL ACTION (CLEANUP) ALTERNATIVE: Based on the results of the investigations, the Navy analyzed several options for reducing the risk to ecological receptors from sediment containing DDx. The Proposed Remedial Action Plan describes four alternatives (including the required baseline "no action" alternative) which were evaluated against established criteria.

The Navy is proposing Alternative 2, which includes in situ (in-place) treatment of the sediment with activated carbon to reduce the bioavailability of the DDx in sediments within Abraham's Creek. The DDx in the sediments will tightly attach to the carbon granules, which prevents the DDx from entering the food chain and therefore, reduces risk to the ecological receptors.

PUBLIC REVIEW: Public participation is an important part of the remedy selection process and the Navy's preferred alternative may be modified based on new information and/or public comments. The Navy will finalize its plan, with EPA and VDEQ concurrence, after reviewing all comments received during the public comment period (**May 9-June 8**).

You can review the Proposed Remedial Action Plan and related site documents on the Navy's environmental website for MCBQ (<https://go.usa.gov/xngKr>) or at the following locations:

Chinn Park Regional Library
13065 Chinn Park Drive
Woodbridge, VA 22192
Phone: (703) 792-4800

John Musante Porter Library
2001 Parkway Blvd
Stafford, VA 22254
Phone: (540) 659-4909

Marine Corps Base Quantico
Natural Resources and
Environmental Affairs Branch
3049 Bordelon Street
Quantico, VA 22134-5001
Phone: (703) 432-0521

A pre-recorded presentation about the site and the proposed alternative is also available on the website for viewing at your convenience. An online public meeting will be held on **May 25** to view the recorded presentation and discuss the preferred alternative with project managers. More information about how to access this meeting can be found here: <https://go.usa.gov/xngKr>

TO SUBMIT COMMENTS: Written comments can be submitted **May 9-June 8** by email or mail to:

Lyndsay Kelsey

Remedial Project Manager

NAVFAC Washington

Building 212, Second Floor

1314 Harwood Street SE

Washington Navy Yard, DC 20374-5018

Email: lyndsay.kelsey@navy.mil

Rodney Aguirre

Environmental Restoration Program Coordinator

Marine Corps Base Quantico

Natural Resources and Environmental Affairs Branch

3049 Bordelon Street

Quantico, VA 22134-5001

Email: rodney.aguirre@usmc.mil

Public participation is an important part of the remedy selection process and the Navy's preferred alternative may be modified based on new information and/or public comments. The Navy will finalize its plan, with EPA and VDEQ concurrence, after reviewing all comments received during the public comment period. Responses to comments will be summarized in a Responsiveness Summary, which is part of the Record of Decision and will be placed in the Administrative Record.

Appendix E

Social Media Outreach



Marine Corps Base Quantico · Follow

March 2, 2022 · 🌐

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Five-Year Review of Environmental Cleanup Decisions

As part of the ongoing Environmental Restoration Program to address past contamination at MCB Quantico, the Navy is beginning a Five-Year Review of ongoing environmental cleanup actions at five sites.

The purpose of a Five-Year Review is to ensure cleanup actions continue to protect public health and the environment.

Questions or comments about the effectiveness of cleanup actions can be submitted to MCBQ's Environmental... See more



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Marine Corps Base Quantico · Follow

May 24, 2021 · 🌐

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The Navy, in coordination with the [Natural Resources and Environmental Affairs Branch at MCBQ](#) is holding a virtual public meeting to its plan to address pesticide contaminants in sediments of Abraham's Creek, May 25, 7 - 8 p.m.

Abraham's Creek is a group of three shallow ponds and wetlands on the mainside of the base near Officer Candidates School. The Navy's Proposed Plan would treat sediment in place with activated carbon to reduce risk to birds and animals.

More information, including the link for the public meeting, can be found here:
https://www.navfac.navy.mil/.../washington/mcb_quantico.html

This work is being done as part of the ongoing Environmental Restoration Program to address past contamination at MCBQ.

[Marine Corps Installations Command](#)



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