



FINAL

# Community Involvement Plan Update

Naval Air Station Patuxent River, St. Mary's County, Maryland

**September 2020**



*Prepared for*

Department of the Navy  
Naval Facilities Engineering Command Washington  
Under the NAVFAC Atlantic CLEAN Program

*Prepared by*

**ch2m.**





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Contract Task Order 4099

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# SECTION 1

## OVERVIEW OF THE COMMUNITY INVOLVEMENT PROGRAM





# Overview of the Community Involvement Program

## 1.1 Introduction

The primary mission of the **Naval Air Station (NAS) Patuxent River (Facility)** is to serve as the Navy's principal research, development, testing, evaluation, engineering, and fleet support activity for naval aircraft, engines, avionics, aircraft support systems, and ship/shore/air operations. Additionally, the station provides office space for the Naval Air Systems Command (NAVAIR) headquarters, the Naval Air Warfare Center Aircraft Division (NAWCAD), and more than 50 other tenant commands.

On June 30, 1994, NAS Patuxent River was added to the **National Priorities List (NPL)**. Since then, the **Department of the Navy (Navy)** has investigated soil, groundwater, surface water, and sediment at NAS Patuxent River under the provisions of the **Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)**. Specific guidance for conducting these investigations is provided by the Federal Facility Agreement (FFA), which was signed in December 2000 by the Navy and the United States Environmental Protection Agency (EPA).

As part of its Environmental Restoration Program (ERP) at NAS Patuxent River, the Navy has implemented a community involvement program aimed to present factual and timely information, obtain community feedback, and promote understanding of ongoing investigations. The overall purpose of the community involvement program is to maintain a high level of community understanding and support for the environmental program at NAS Patuxent River based on the current community profile and stakeholders' interest in the restoration activities.

## 1.2 Community Involvement Plan

In March 2018, NAVFAC's Navy Environmental Restoration Program in Virginia/Maryland launched a Communication Strategy Pilot: *Mission Cleanup: Streamlined Engagement to Communicate Benefits*. The objective of the Mission Cleanup is to provide a cohesive strategy for partners to communicate the important restoration work being performed with consistent terminology and messaging that links the work of the installations to a broader

### Acronym Use

To make this document more comprehensible, acronym use has been limited. Below are the acronyms that are used repeatedly and that appear in **bold** the first time they are used. Other acronyms are provided for informational purposes.

<b>AOC</b>	Area of Concern
<b>ARF</b>	Administrative Record File
<b>CERCLA</b>	Comprehensive Environmental Response, Compensation, and Liability Act
<b>CH2M</b>	CH2M HILL, Inc.
<b>CIP</b>	Community Involvement Plan
<b>DoD</b>	Department of Defense
<b>EE/CA</b>	Engineering Estimate/Cost Analysis
<b>ERP</b>	Environmental Restoration Program
<b>Facility</b>	NAS Patuxent River
<b>FFA</b>	Federal Facility Agreement
<b>MDE</b>	Maryland Department of the Environment
<b>NAS</b>	Naval Air Station
<b>NAVFAC</b>	Naval Facilities Engineering Command
<b>Navy</b>	Department of the Navy
<b>NFRAP</b>	No Further Response Action Required (decision document)
<b>NPL</b>	National Priorities List
<b>PA/SI</b>	Preliminary Assessment/Site Inspection
<b>PRAP</b>	Proposed Remedial Action Plan
<b>RAB</b>	Restoration Advisory Board
<b>RCRA</b>	Resource Conservation and Recovery Act
<b>RI/FS</b>	Remedial Investigation/Feasibility Study
<b>ROD</b>	Record of Decision
<b>SMP</b>	Site Management Plan
<b>SWMU</b>	Solid Waste Management Unit
<b>USEPA</b>	United States Environmental Protection Agency

audience and mission. Mission Cleanup encourages the use of consistent vocabulary and strategies to remind stakeholders that the Navy's ERP uses sound science to:

1. CLEAN up federal land.
2. PROTECT communities.
3. RESTORE land and water to be safely and productively re-used.

The Mission Cleanup's success relies on ongoing public awareness and engagement in milestones such as this **Community Involvement Plan (CIP)**. Public participation is critical to the Navy's ability to Clean, Protect and Restore.

The purpose of this CIP update is to assist the Navy in meeting the needs of the local community for information about, and participation in, the ongoing investigation and remedial processes. This document is an update of the CIP prepared for NAS Patuxent River in 2008 and previously updated in 1996 and 2001.

The main objectives of this CIP are:

1. Keep the community informed about cleanup actions.
2. Provide opportunities for the public to offer input into the decision-making process.

CERCLA requires community involvement activities be undertaken at certain milestones throughout the cleanup process. Key messages and specific communication tools are integral parts of the community involvement strategy for a specific site. This Plan update has been prepared in accordance with regulations and guidance for conducting community involvement activities related to environmental restoration, including:

- Superfund Community Involvement Handbook, 2016 (<https://semspub.epa.gov/work/HQ/100000070.pdf>)
- EPA's Community Involvement Toolkit (<https://www.epa.gov/superfund/community-involvement-tools-and-resources>)
- Navy's Installation Restoration Manual (August 2006)
- Department of Defense (DoD) Management Guidance for the Defense Environmental Restoration Program (September 2001)
- *32 Code of Federal Regulations Part 203*, Final Rule [for] Technical Assistance for Public Participation in Defense Environmental Restoration Activities
- *70 Federal Register 4061*, Final Rule [for] Restoration Advisory Boards (Vol. 71, No. 92 – DOD-2006-OS-0077; 0790-AG31, May 12, 2006)

As the owner of the NAS Patuxent River Facility, the Navy is ultimately responsible for implementing the ERP and the associated community involvement program as outlined by this CIP. The NAS Patuxent River Commanding Officer, with support from the Public Affairs Office (PAO), has the overall responsibility for administering this Plan.

This CIP summarizes current community concerns about the investigation and restoration of potentially contaminated sites at NAS Patuxent River and outlines community involvement strategies to be conducted during the ongoing and anticipated future restoration activities.

# SECTION 2

## FACILITY DESCRIPTION



# Facility Description

## 2.1 Facility History

NAS Patuxent River was commissioned on April 1, 1943, in an effort to centralize widely dispersed air testing facilities that had been established prior to World War II. This consolidation effort was swift, and the farming operations at Cedar Point, Maryland, were replaced by flight test operations within a year after ground-breaking for construction in 1942. The U.S. Naval Test Pilot School was established in 1958.

In 1975, the Naval Air Test Center began to assume its role as the Naval Air Systems Command's principal site for development testing. Test facilities were upgraded in the late 1970s, with some of the largest construction appropriations in the history of the base.

As a recipient activity during three successive rounds of base realignment and closure (BRAC) in the 1990s, NAS Patuxent River became the fastest-growing installation in the DoD. NAS Patuxent River gained workers from the NAWCAD sites at Trenton, New Jersey, and Warminster, Pennsylvania, and the NAVAIR headquarters was relocated to the Facility from Arlington, Virginia. This growth resulted in a large investment in new and renovated facilities and infrastructure at NAS Patuxent River. In addition to construction investments, the Facility obtained Webster Outlying Field Annex for use as an outlying airfield.

As a result of the consolidation that occurred throughout the 1990s, the Naval Aviation Systems Team at NAS Patuxent River now hosts the full spectrum of acquisition management, research and development capabilities, air and ground test and evaluation, aircraft logistics, and maintenance management for naval aviation.

Several big changes to the base happened in 2013. Hangar 110 underwent a \$15 million renovation to extend the life and serviceability of the Facility. Also, the base opened the \$13.1 million Child Development Center. It is one of the largest in the Navy and offers childcare to both military and civilian personnel working on the base. Additionally, in 2013, NAS Patuxent River opened a first-of-its-kind facility to support the Triton program, an unmanned aircraft. The 70,000-square-foot hangar cost \$33 million and conducts tests and evaluations to ensure the unmanned asset will meet the Navy's specifications.

## 2.2 Facility Description and Location

### 2.2.1 Facility Setting

NAS Patuxent River encompasses approximately 7,900 acres, including both the main NAS parcel on Cedar Point, at the confluence of the Patuxent River and the Chesapeake Bay, and Webster Outlying Field Annex, an outlying parcel in St. Inigoes, Maryland located about 8 miles south of the NAS (Figure 1).



NAS Patuxent River is bounded by the Patuxent River on the north, the Chesapeake Bay on the east and south, and State Highway 235 on the west. Lexington Park, an unincorporated community, is located immediately southwest of the Facility.

More than 11 miles of shoreline, ranging from sandy beaches to tidal marshes, surround the Installation on three sides. The Facility has three seaplane basins, six man-made freshwater ponds, and four tidal creeks.

The Facility is located in the Patuxent River basin. Streams that originate on the Facility stay within the Facility boundaries and discharge into man-made ponds, the Patuxent River, or the Chesapeake Bay. The stormwater drainage system consists of concrete storm sewers that receive surface water and groundwater seepage from a network of shallow roadside ditches, culverts, subdrains, storm sewers and laterals, and natural streams. Discharge points for the stormwater drainage system include onsite ponds, the Patuxent River, and the Chesapeake Bay.

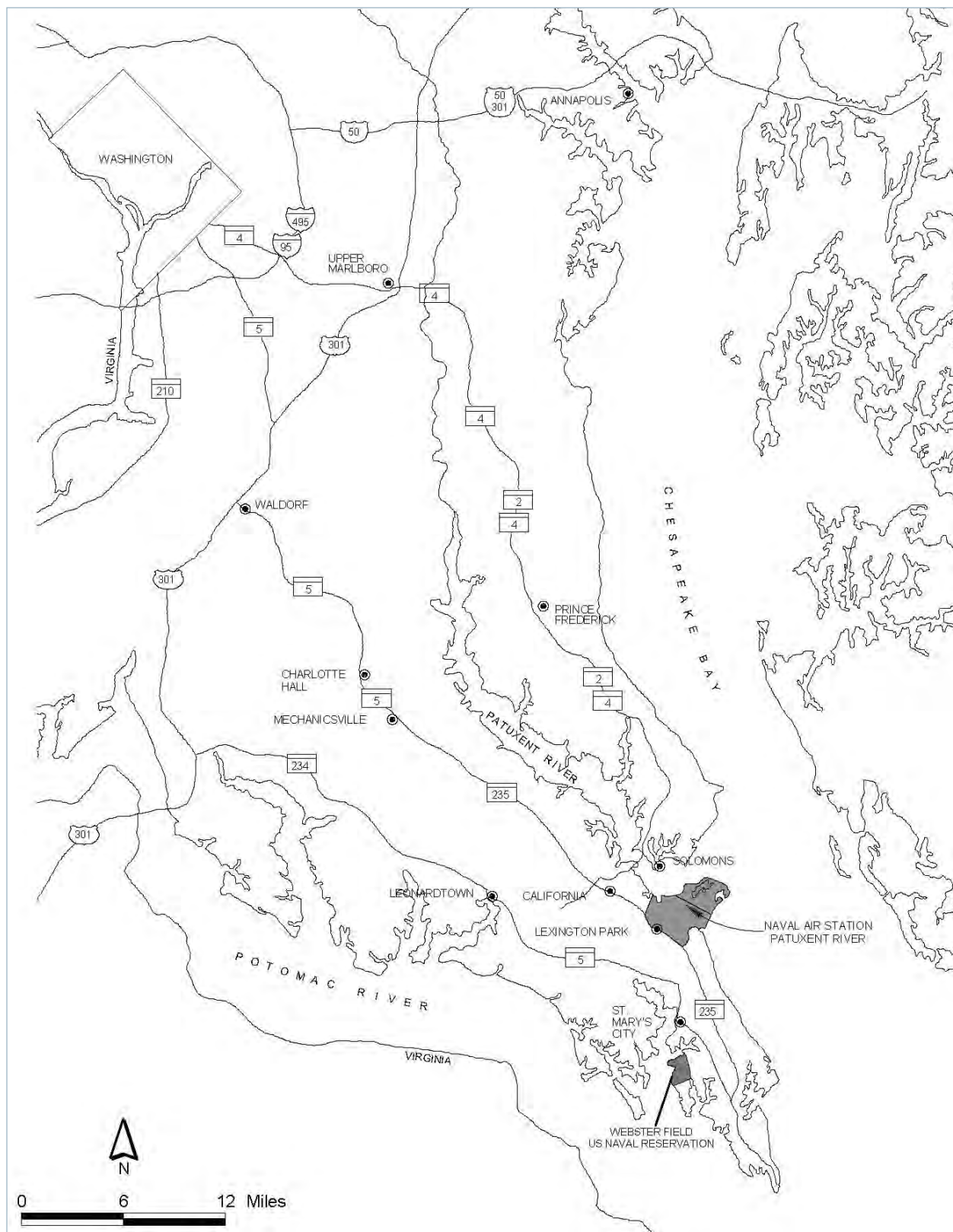
Five man-made ponds located on the Facility are used for recreational fishing and are periodically stocked. Saltwater fishing occurs along the northern shoreline and seaplane basin walls. An effort to seed oyster beds in Harper Creek and Pearson Creek has been initiated but harvesting oysters for human consumption is not currently allowed.

Groundwater beneath the Facility occurs in four principal aquifers: the shallow water-table aquifer (Upland and Lowland deposits) and three deeper aquifers (Piney Point-Nanjemoy aquifer, Aquia aquifer, and Patapsco aquifer). The Piney Point-Nanjemoy aquifer is a major source of potable water for homeowners in southern Maryland. The Aquia aquifer is the principle source of potable and industrial water for NAS Patuxent River and surrounding public water suppliers. In recent years, the Patapsco aquifer has been used as a water supply source because of increasing demand for water in the vicinity of Lexington Park and the limited quantity of groundwater available for withdrawal from the overlying aquifers.

Several broad wetland cover types have been identified at the Facility. These include forested wetlands, scrub/shrub wetlands, saline marshes, freshwater tidal marshes, nontidal marshes, and open water/emergent wetlands. Five types of forests have been identified: uplands hardwoods, upland pine, bottomland pine, bottomland hardwood, and mixed forest. Approximately 37 percent of NAS Patuxent River is forested, with mature upland hardwoods and mixed pine/hardwood stands being the most common. Shrubs and young trees cover approximately 14 percent of NAS Patuxent River.

Freshwater and saltwater marshes and open water habitats cover a little less than 9 percent of NAS Patuxent River. Principal estuaries and associated wet marshes are located at the confluence of the Patuxent River with Harper and Pearson Creeks, and at the confluence of the Chesapeake Bay with Goose Creek and Pine Hill Run.

Figure 2-1. Location of Naval Air Station Patuxent River



## 2.3 Installation Restoration Program

### 2.3.1 National Priorities List

In June 1994, the EPA placed NAS Patuxent River on the NPL. The NPL, which was established by CERCLA, is USEPA's list of the highest-priority sites in the nation with. The NPL process provides a system for identifying and tracking the investigation and cleanup of these facilities. The decision to list a site is determined on the basis of potential risks to human health and the environment. As of May 26, 2009, 1,264 sites are listed on the NPL, of which 158 are federal facilities such as NAS Patuxent River.

CERCLA is often referred to as “Superfund” because it established a fund for cleaning up abandoned or uncontrolled hazardous waste sites. However, all activities at federal facilities listed on the NPL are funded by the responsible federal agency. In the case of NAS Patuxent River, the Navy funds all investigation and remedial activities. To fund these activities at military installations, DoD set up the Defense Environmental Restoration Account. The Navy's portion of that funding mechanism is known as the Environmental Restoration Navy account.

Each year, available funding is directed to multiple facilities (often referred to as “activities”) on a “worst first” basis. In other words, those activities deemed to be the most contaminated and/or presenting the greatest risks to human health or the environment are given preferential funding. Being listed on the NPL typically gives funding priority to a site. Although the responsibility for funding and carrying out environmental restoration at NAS Patuxent River rests with the Navy, the NPL listing gives USEPA a specific role in the oversight of these actions.

### 2.3.2 Federal Facility Agreement

In December 2000, the Navy and USEPA signed an FFA, which outlines the scope of efforts for remedial activities at NAS Patuxent River. The FFA makes USEPA a “full partner” in planning for the future use of resources and in prioritizing restoration efforts within the Navy's budget controls.

### 2.3.3 Site Management Plan

A **Site Management Plan (SMP)** is required for NAS Patuxent River under the FFA to present the planned activities for upcoming fiscal years, and to provide projections for long-term progress at the Facility. The SMP is updated annually; the most recent update was done in September 2019.

**The Site Management Plan is updated annually. The 2019 SMP is available at this link:**

 <https://www.navfac.navy.mil/niris/>

**WASHINGTON/  
PATUXENT RIVER NAS/  
N0428A 003035.pdf**

### 2.3.4 Environmental Restoration Partnership

NAS Patuxent River formed a CERCLA Partnering Team in August 1998. The NAS Patuxent River Partnering Team is made up of representatives of the organizations that are directly involved in environmental restoration at the Facility:

- **Navy:** NAVFAC Washington, which is responsible for managing and implementing the ERP, and NAS Patuxent River representatives responsible for onsite activities related to the ERP



- **Regulatory agencies:** USEPA Region 3 and the Maryland Department of the Environment (MDE)
- **Contractors:** CH2M HILL, Inc. (CH2M), which performs investigative studies and engineering design for remedial actions as well as some remedial design, and APTIM, which performs remedial construction.

The vision of the NAS Patuxent River Partnering Team is:



*By working together, our team will become a nationally recognized model to other ERPs. We will complete site cleanups to facilitate land re-use, to serve base operations, and promote public acceptance and approval."*

By bringing these key parties together in regular, structured meetings to discuss and resolve issues, the Partnering Team promotes trust and cooperation that allows the remediation process to move forward at a quicker pace than was possible under traditional procedures.

Promoting community involvement and considering community concerns when making decisions are among the responsibilities of Partnering Team members, as laid out by the Partnering Team agreement.

### 2.3.5 CERCLA Process

Since 1986, the Navy's ERP has followed the process prescribed by CERCLA regulations and guidance for investigating and addressing environmental contamination.

This multi-step process is followed regardless of whether or not a facility is listed on the NPL, unless directed otherwise by a Resource Conservation and Recovery Act (RCRA) consent order or another legal instrument.

One of the key provisions of CERCLA is a defined multi-step process to clean up contaminated sites that includes a series of activities, several of which are designed to involve the public in the decision-making process. The typical sequence of activities is:

- **Preliminary Assessment /Site Inspection (PA/SI):** The PA is the first step in the process of collecting and reviewing existing information to identify if there has been a release of hazardous waste or materials causing contamination. The SI includes limited sampling to determine the presence or absence of contaminants at specific locations.
- **Remedial Investigation/Feasibility Study (RI/FS):** An RI is conducted to further evaluate the nature and extent of contamination and to perform a risk assessment for human health and ecological receptors. This process is also called "characterization." If the RI determines that remediation is necessary, an FS is then prepared using the RI data to evaluate a range of options for environmental remediation, analyzing both the available technologies and the estimated costs.

**For more detail on the various CERCLA steps**



<http://www.epa.gov/superfund/cleanup/>

- **Proposed Remedial Action Plan (PRAP or Proposed Plan):** Based on the alternatives evaluated in the FS, the preferred cleanup approach is documented in the PRAP, which is provided to the public for formal comment prior to selecting the remedy.
- **Record of Decision (ROD):** The Record of Decision documents the selection of the remedy following consideration of public comments received on the Proposed Plan.
- **Remedial Design/Remedial Action (RD/RA):** This phase identifies the cleanup plan and action. The RD is the detailed engineering design and the RA is the actual construction or implementation of the remedy that has been selected for a site.

In addition, the following activities may occur at any time during the CERCLA process:

- **Interim Actions** are taken, as needed, to reduce imminent risks to human health and the environment while long-term field investigations are being conducted, or until a final remedial action is selected. Interim actions can range from removal actions to institutional controls, such as putting up a fence or issuing land use instructions to control activities on or near contaminated sites.
- **Removal Actions** can function as either interim or long-term means of addressing potential releases of contaminants and reducing human and ecological exposure.
- **An Engineering Evaluation/Cost Analysis (EE/CA)** is completed for non-time-critical removal actions and is similar to a fast-track, limited-scope FS. It identifies human health exposure risks, compares removal alternatives, and provides a mechanism for regulatory and public review of the remedy implementation and future monitoring activities.
- **A No Further Response Action Planned (NFRAP)** decision document is developed after a field investigation provides data indicating that concentrations of contaminants at a particular site do not pose a threat to human health and the environment. The NFRAP provides a means for regulatory agencies to review the site investigation and risk assessments, and for the public to comment on the no-action decision.

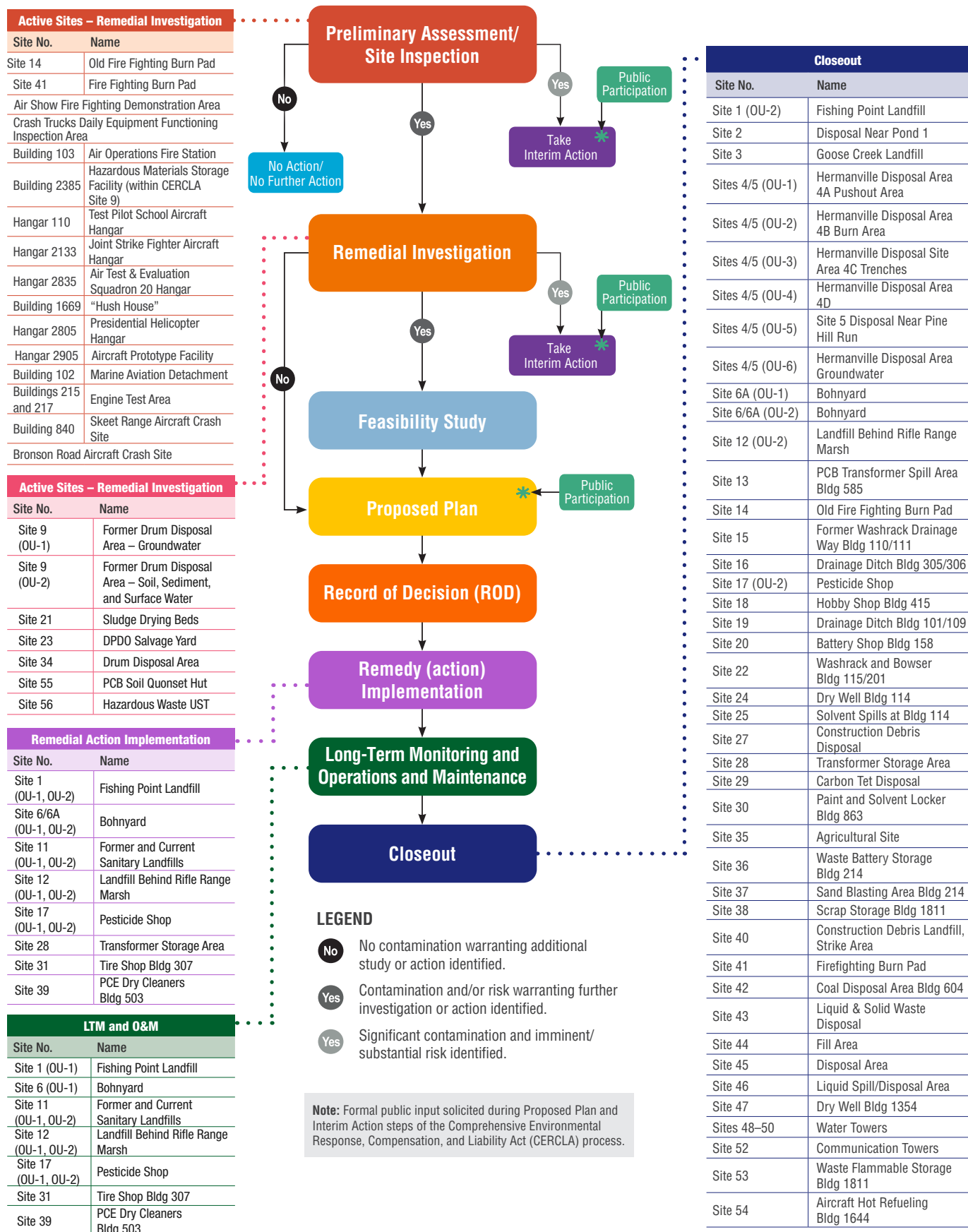
### 2.3.6 Facility-Wide Investigations at NAS Patuxent River

Under CERCLA and earlier Navy programs, a series of increasingly detailed investigations have been conducted facility-wide, multi-site, and single-site at NAS Patuxent River to help the Navy and regulators determine the probable sources and extent of contaminants and the most appropriate ways to address them, including Long Term Monitoring and Operations and Maintenance.

The FFA gives the Navy and USEPA the flexibility to designate an operable unit (OU) to subdivide a site depending on the complexity of the site or the need to address portions of a site (e.g., different environmental media) independently. In accordance with Navy Guidance (March 2006), NAVFAC Washington has divided some ERP sites into OUs to facilitate remediation of the sites and achievement of key milestones associated with site closeout, such as ‘Remedy In Place’ or ‘Response Complete’.

Figure 2 summarizes the status of the Sites/OUs addressed at NAS Patuxent River, including per- and polyfluoroalkyl substances (PFAS) Sites, and shows the CERCLA process flow diagram.

Figure 2-2. CERCLA Process Flow Diagram





# SECTION 3

## COMMUNITY BACKGROUND



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## SECTION 3

# Community Background

## 3.1 Community Setting

NAS Patuxent River is situated in southern Maryland overlooking the Chesapeake Bay, in historic St. Mary's County (see Figure 2-1). The region is still mostly rural, but the area surrounding NAS Patuxent River is rapidly becoming suburbanized.

Countless opportunities exist in the area for recreation, including boating, camping, fishing, shopping, and dining. Local tourist attractions include marinas, antique shops, community parks, and historical sites and museums such as the NAS Patuxent River Museum, Calvert Marine Museum, Sotterly Mansion, and historic St. Mary's City.

The Facility is located adjacent to the community of Lexington Park. Housing developments are located within 0.25 mile west and southwest of the Facility. Restaurants and stores are clustered along State Route 235 (Three Notch Road) and State Route 246 (Great Mills Road). The closest school, Lexington Park Elementary, is located approximately 1 mile southwest of the main gate of the base.

The closest parks to NAS Patuxent River are Nicolet Park and John G. Lancaster Park, both of which are located approximately 0.5 mile from NAS Patuxent River. Nicolet Park, located west of the base, includes not only picnic facilities, ball fields, and a playground, but also the County's only skate park and "spray-ground" (a water play area). John C. Lancaster Park, located south of the base, includes soccer, baseball, and football fields, basketball courts, picnic facilities, and hiking trails. Carver Recreational Center, formerly Carver Elementary School, is located approximately 1 mile south of NAS Patuxent River, along Route 235, and is used for youth and adult sports and teen dances. The Facility has space for workshops, meetings, and holiday parties. Jarboesville Park, located behind Lexington Park Elementary School about 1 mile southwest of the main gate, includes ball fields, tennis courts, and a playground.

In addition to County and local parks and recreation facilities, approximately 155 acres of NAS Patuxent River are used for recreation, including indoor and outdoor pools, an 18-hole golf course, multi-purpose fields, an indoor recreation center, skating rink, and fishing piers, as well as 3,252 acres of hunting lands and shooting facilities. Facilities are restricted to base employees and guests, as well as active and retired military personnel.

The nearest community hospitals include Med Star St. Mary's Hospital in Leonardtown, approximately 16 miles west of the base, and Calvert Memorial Hospital in Prince Frederick, approximately 29 miles north of the base.

## 3.2 Demographic Profile

### 3.2.1 Population and Housing

Based on the 2010 Census, the population of St. Mary's County is approximately 105,151 people, an increase 18,940 residents since the 2000 Census. The estimated population based on data trends for 2018 is 112,664 residents. The unincorporated town of Lexington Park contains nearly 11 percent of the 2010 total population of St. Mary's County, 11,626 people. The unincorporated town of Solomons in Calvert County, directly across the Patuxent River, is much smaller than Lexington Park. On August 12, 2019 the U.S. Census Bureau announced the start of the first major field operation for the 2020 Census. The census data presented in this CIP will be revised as new official data becomes available.

Table 1 summarizes 2010 Census demographic data for the Lexington Park "Census-defined place" (CDP), the Solomons CDP and for St. Mary's County. Projections for 2018 are also provided for St. Mary's County.

Table 3-1. Demographic Data – Population Characteristics	Lexington Park CDP2	Solomons CDP	St. Mary's County	
	2010 Census Data		2010 Census Data	Census Projections
Total Population	11,626	2,368	105,151	112,664
<b>Race and Ethnicity<sup>1</sup></b>				
White	6,454	2,112	82,636	78.5%
Black or African American	3,670	166	15,030	14.6%
American Indian and Alaska Native	72	2	424	0.4%
Asian	508	38	2,596	2.9%
Native Hawaiian and Other Pacific Islander	16	0	73	0.1%
Some other race	308	14	1,054	N/A
Two or more races	598	36	3,338	3.5%
Hispanic or Latino	861	35	3,972	5.2%
<b>Age and Sex</b>				
Under 5 Years	11,626	76	7,580	N/A
18 Years and Over	4,090	2,058	39,201	N/A
21 Years and Over	7,866	2,025	72,723	N/A
62 Years and Over	784	1,051	13,710	N/A
65 Years and Over	607	952	10,781	N/A
Male Population	5,731	1,033	52,321	49.8%
Female Population	5,895	1,335	52,830	50.1%
<b>Households</b>				
Total Households	4,636	1,217	41,282	44,927
Average Household Size	2.7	1.83	2.72	2.75

1. "Hispanic or Latino" is based on language and national origin and may include members of all the above racial groups.

2. N/A = Not Applicable

Source: U.S. Census Bureau, Census 2010 United States American Fact Finder - <https://data.census.gov/cedsci/>



### 3.2.2 Employment and Income

St. Mary's County key economic driver continues to be the region's largest employer—NAS Patuxent River. In 2011, the base's workforce was more than 22,200. The average base salary approaches \$90,000. More than two thirds of the Navy's workforce at NAS Patuxent resides in St. Mary's County. Because of solid, high-technology job growth, the County's average weekly wage has grown to be the second highest in Maryland. In the past decade, St. Mary's labor force grew 18.9 percent. Maryland Department of Planning is projecting that St. Mary's County's labor force will grow to 119,340 by 2030 (<http://www.co.saint-marys.md.us/ded/datacenter.asp>).

## 3.3 Community Involvement History

As the NAS Patuxent River complex grows to fulfill its mission as a center of excellence for research, development, testing and evaluation of military aircraft, so does the Navy's commitment to the community it serves. The Navy Community Service Program (NCSP) was developed to support national youth education goals and a globally competitive America. Building on the success of the Personal Excellence Partnership (PEP) and community outreach programs, the NCSP expands the role of the Navy by encouraging community service projects and partnerships that strengthen the academic and personal growth of youth and improve quality of life in communities.

PEP is also known as the adopt-a-school program, through which NAS Patuxent River military and civilian personnel serve as tutors, mentors, and role models to students in local schools. In July 2000, NAS Patuxent River received recognition for its outstanding community involvement and education partnership programs, as a result of its participation in the Rear Admiral William Thompson Awards for Excellence in Public Affairs.

The Patuxent Partnership (TPP) connects the dots to foster collaboration among academia, industry, and government from technology to STEM (science, technology, engineering, and mathematics) initiatives in Southern Maryland and beyond, to promote sustainable economic vitality and enhanced quality of life. TPP is part of a partnership intermediary agreement with Naval Air Warfare Center Aircraft Division and with NAVSEA Indian Head. TPP is also part of educational partnership agreements with NAWCAD and St. Mary's College of Maryland (SMCM) and NAVSEA Indian Head and SMCM. TPP has a long-term partnership with the College of Southern Maryland (CSM).

In June 2017, the CSM signed an agreement with several community partners designed to better prepare local business students for contracting work at NAVAIR, located at NAS Patuxent River. St. Mary's County Public Schools, University of Maryland University College, and NAVAIR will be working with CSM to tailor business education to ensure that local business students are trained and ready for NAVAIR internships and jobs.

Thanks to military and civilian personnel from across the Facility who are willing to volunteer their time and effort at myriad events that benefit the community, NAS Patuxent River was honored with four first place wins in the Naval District Washington 2018 Regional Community Service Program of the Year Awards: the large shore category winner for the Personal Excellence

Partnership Flagship; Project Good Neighbor Flagship; Environmental Stewardship Flagship; and Health, Safety, and Fitness Flagship Awards.

NAS Patuxent River is one of four DoD facilities in Maryland to participate in Businesses for the Bay. The Alliance for the Chesapeake Bay's Businesses for the Bay encourages entities within the Chesapeake Bay watershed to take voluntary and measurable actions to support protection and restoration of the Chesapeake Bay and help the public understand the valuable role of the business community in sustaining the health of the Chesapeake Bay and its watershed.

Known for its award-winning community service and environmental stewardship programs, the Environmental Division at NAS Patuxent River manages a robust environmental education program aboard the Facility. Multiple partnerships with private sector and government agencies have been successful in advancing environmental compliance, conservation, and education. The Environmental Education Center, which contains a 40-seat classroom and an assortment of nature-related exhibits and displays, reaches thousands of people with an award-winning program involving nature study, outdoor education, and interpretation. Environmental and natural resources staff hosts numerous tours, field trips, and open houses for the community and environmental groups, as well as federal, state, and local officials. Environmental observances, such as Earth Day, Arbor Day, Historic Preservation Week, International Migratory Bird Day, and Wetlands Preservation Month, are celebrated with local school students throughout the year.

As mentioned earlier, in March 2018, the NAVFAC's Navy ERP in Virginia/Maryland launched a Communication Strategy Pilot: Mission Cleanup: Streamlined Engagement to Communicate Benefits. This CIP includes the objectives of this strategy and will incorporate the community outreach methods and key messaging to effectively communicate milestones while continuing to provide opportunities to the public to actively participate in the cleanup actions of NAS Patuxent River.

### 3.3.1 Environmental Restoration Program Community Outreach

NAS Patuxent River encourages public participation in its ERP and prides itself on the relationship it has with the community. A Community Relations Plan was originally prepared in April 1991, and was updated in July 1996, October 2001, and August 2008. These documents have guided the community involvement process at the Facility using the communication and community engagement tools described in the following sections.

#### Public Meetings

The Navy has implemented several investigations and remedial actions at NAS Patuxent River Sites working closely with USEPA and MDE, with input from interested citizens. The Navy has held public meetings at key milestones when Decision Documents were released for public review, making information on the investigations at NAS Patuxent River sites available to the community. The most recent public meeting was held on March 3, 2020.

## Information Repositories

The repositories include documents that relate to the CERCLA cleanup. They also include documents in the ERP and the Facility's historical site activities, site location information, and other documents that may be of interest to the public along with those for public review. Documents such as a Proposed Plan or other decision document are made available for public review and/or comment.

NAS Patuxent River maintains two physical information repositories:

- **St. Mary's County Public Library**
- **NAS Patuxent River Library**

## Administrative Record File

The **Administrative Record File (ARF)** is a collection of documents compiled by the Navy, as represented by NAVFAC, to document the selection of environmental response actions for the ERP currently underway at NAS Patuxent River. This file serves two purposes:

- First, it provides access to site-specific information so that the public may make informed comments to the Navy on the selection of response actions.
- Second, if the adequacy of a response decision is challenged in court, the judicial review of that decision will be based on the documents in the ARF. Maintenance of this file is consistent with the requirements of CERCLA, as amended by the Superfund Amendments and Reauthorization Action of 1986.

Technical studies and significant correspondence among local, state, and federal government agencies are included in the ARF, as well as those documents that reflect notification of and participation by the public in site activities. The consideration given, and response made by the Navy to public comments are also incorporated into the ARF. Examples of information found in the ARF include sampling data, guidance and policy documents, technical studies, decision documents, proposed cleanup plans, correspondence, work plans, health and risk evaluations, public notices, and public information materials.

## Fact Sheets and Public Notices

The most recent fact sheet was produced in September 2018, to update community members on Investigation and Removal of Historic Munitions Disposal Area, also known as site UXO-0001.

- The most recent public notices included:
- The October 8, 2019 Restoration Advisory Board (RAB) and Webster UXO-1 Proposed Remedial Action Plan public meeting published on the NAS Patuxent River Website.

**The Administrative Record is crucial to the public because it contains information on which the selections of interim and final response actions for sites will be based.**

The public can access the Administrative Record electronically using the following link:

 [https://www.navfac.navy.mil/products\\_and\\_services/ev/products\\_and\\_services/env\\_restoration/installation\\_map/navfac\\_atlantic/washington/nas\\_patuxent\\_river/admin\\_records.html](https://www.navfac.navy.mil/products_and_services/ev/products_and_services/env_restoration/installation_map/navfac_atlantic/washington/nas_patuxent_river/admin_records.html)




- The March 3, 2020 open house for PFAS information public meeting published on February 15, 2020 in various local newspapers, online, and social media

### Website

A NAVFAC public website for the Environmental Restoration Program (ERP) at NAS Patuxent River was established in November 2017 with the goal of enhancing the efficient and timely provision of information about the environmental activities to the public.

#### The current Internet address (URL) of the NAS Patuxent River website is:

 [https://www.navfac.navy.mil/products\\_and\\_services/ev/products\\_and\\_services/env/restoration/installation\\_map/navfac\\_atlantic/washington/nas\\_patuxent\\_river.html](https://www.navfac.navy.mil/products_and_services/ev/products_and_services/env/restoration/installation_map/navfac_atlantic/washington/nas_patuxent_river.html)

### Social Media

As technology has developed and new forms of electronic communication, interest in social media, websites, and other forms of digital communication continues to grow, NAS Patuxent River has

#### Access NAS Patuxent River social media at the following links:



<https://www.facebook.com/NASPaxRiver/>



<https://twitter.com/NASPaxRiverPAO>

extended the reach of communication by using platforms such as Facebook and Twitter to increase the reach of communication with the public and other stakeholders. The NAS Patuxent River Facebook page, started in November 2011, has proven to be an important tool to disseminate news and updates about the cleanup process. Currently, the NAS Patuxent River Facebook Page has over 25,900 followers. The NAS Patuxent River Twitter feed, started in December 2013, serves the same purpose to reach its 2,200 followers.

### Restoration Advisory Board

The RAB was established in 1995. The Navy and regulatory agencies held meetings approximately every 3 months. The last RAB meeting was held on October 8, 2019. Public participation in RAB meetings and interest in the ERP has been generally low; in recent years the attendance was low and the active participation of RAB members has been minimal. Given the strong relationship that NAS Patuxent River has cultivated with the surrounding community, RAB meetings may not be a key tool to keep the community informed about cleanup activities. Nevertheless, as new investigations are starting, and more information is available, the Navy is planning to schedule a RAB meeting once a year in the fall to convey the information and receive input from the public. However, due to the ongoing COVID-19 pandemic, the Navy and regulatory partners are exploring the option of virtual public meetings via Microsoft Teams or other platforms to share information and receive input from the community. The Navy will continuously re-evaluate the ability to conduct in-person meetings as the pandemic subsides.

## 3.4 Community Issues and Concerns

To update this document, the Installation collected information from the public to determine current issues, concerns, and communication preferences related to the cleanup efforts.

The Navy developed an electronic survey questionnaire so that interested community members may provide input (see Appendix A). The survey was intended to identify environmental topics

of interest and concerns within the community regarding the environmental restoration process and obtain suggestions on how the Navy can continue to promote community involvement in a convenient and effective manner. The survey was available online at SurveyMonkey® and through the NAVFAC NAS Patuxent River public website and Facebook page. A public noticed published on February 21, 2019 announced the availability of the survey and described how the public can submit comments within the 30-day comment period.

The online survey was successful reaching stakeholder and receiving direct feedback from members of the public who completed the questionnaire. The results of the questionnaire provided valuable data and the basis for the data analysis and development of proposed actions and activities recommendations. The detailed analysis of the data received, and recommendations are discussed in the following sections.

### 3.4.1 Questionnaire Results Summary

Although the questionnaire was not designed to provide statistical analysis of the information received, the responses provided valuable data to construct final CIP recommendations specifically related to the community's general awareness, level of concern, information needs, and preferred communication methods. The results of the questionnaire were also used to create the Action Plan described in Section 4. Twenty completed questionnaires were received for this CIP update between February 20, 2019 and March 13, 2019. The results are summarized below:

- The effectiveness of NAS Patuxent River's overall Environmental Community Involvement Program can be assessed by reaction to the presence of NAS Patuxent River in the community. Forty percent of the community members who filled out the questionnaire identified themselves as base workers, 40 percent are base residents, while 50 percent live in the surrounding communities, mostly Lexington Park.
- Most respondents indicated some level of concern on environmental issues and munitions response issues. This was particularly noted among those individuals and groups who actively utilize the natural resources in the area, highlighting concerns of the pollution of the bay and groundwater contamination. Linked to the Bay issues, 55 percent of the respondents are aware of environmental or citizen/ action groups active in the community, including the Green Party, Chestnut Trust, Patuxent Land Trust, and the Sierra Club River Keepers.
- In general terms, the data show that there is general widespread knowledge and trust of the ERP (e.g., people know the Navy is conducting environmental cleanup at the base), yet specific knowledge of cleanup activities is limited.
- Although 40 percent indicated that NAS Patuxent River has been effective in providing information about the ERP, 30 percent expressed that they have not received information linked to meeting of the RAB, nor have used the repository or the public website. Only 20 percent mentioned that they have attended public meetings, including one related to Cedar Cove. Few responded that they have seen Public Notices, and one person indicated receiving emails from the Home Owners Association in his neighborhood.
- The data gathered during the development of this CIP update showed no particular public interest in participating in community meetings, including RAB meetings. Questionnaire

respondents prefer to receive news about the investigations and remedies at the Facility through the newspaper and social media rather than participate in meetings. Given that there has been minimal participation in RAB meeting in the last 10 years, it could be concluded that there may not be “sufficient or sustained” community interest in maintaining an active RAB; therefore, the Navy and regulatory agencies may consider in the future to start the process of officially adjourning the RAB. If new interest surfaces and the community agrees with the level of commitment to actively participate in this process, the RAB can be formed again. In the meantime, the Navy is planning to continue the RAB with annual meetings in the fall and will coordinate public meetings as part of the CERCLA process, as needed.

- Thirty percent of the responses indicated that they know who to contact with questions about the ERP; 20 percent indicated that the Navy Remedial Program Manager is who they would contact, and only 15 percent listed the PAO as their main source of information.
- Less than half of the respondents manifested that they feel directly or indirectly affected by the restoration activities, yet it is noteworthy that 75 percent indicated that the community is interested in receiving more information about the investigations taking place at the Facility.
- The main topics of interest or information needs mentioned included: groundwater, emerging contaminants such as PFAS, health issues, munitions, property values, fishing/crabbing, and noise.
- As for the information needs and the preferred methods for receiving information, 35 percent of survey respondents indicated that they are interested in attended meetings to receive information. Some preferred fact sheets, few indicated that they would like to receive emails and/or see newspapers or radio announcements (i.e., The Enterprise, The Wall Street Journal County Times, Tester Magazine, Baynet, SOMD News Net, Channel 9, Star 98 radio, WKIK FM, The Baynet Maryland, and SoMdNews). Social media was also listed as a preferred option).



# SECTION 4

## COMMUNITY INVOLVEMENT ACTION PLAN



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## SECTION 4

# Community Involvement Action Plan

## 4.1 Goals of the Community Involvement Plan

The overall goal of the CIP for NAS Patuxent River is to promote effective two-way communication between the Navy and community members during the implementation of the ERP. As a result of the community responses to the survey and lessons learned from previous community involvement activities, the Navy has integrated the information needs of the community, with strategic messages and the best communication tools to keep the public involved and engaged. This section provides information on the community involvement activities currently being conducted for NAS Patuxent River, and those that will be implemented or enhanced under this CIP.

NAS Patuxent River encourages public participation in its ERP and prides itself on the relationship it has with the community. However, survey results indicate that the level of community knowledge about the ERP at NAS Patuxent River is limited.

Specific elements of the NAS Patuxent River CIP have been developed with two main goals in mind:

1. Keep the community informed of ongoing actions, major findings, and decisions.
2. Provide opportunities for community involvement.

## 4.2 Community Involvement Activities, Tools, and Timeline

In accordance with the Mission Cleanup and to accomplish the above-mentioned goals, the Navy will focus on implementing and enhancing the following actions:

1. Provide key and/or new information directly to residents/interested stakeholders using email and newspaper notifications.
2. Enhance the use of social media including NAS Patuxent Facebook page and public website to expand the reach of the community involvement program.
3. Promote community participation in specific steps of the CERCLA process to get their input on the decision-making process, by following all requirements for public participation.

The following are the primary community involvement tools associated with these actions. Similar or associated tools are grouped into the following categories: Stakeholder Interaction Tools, Public Notification Tools, and Internet Resources.

### 4.2.1 Public Notification Tools

The following public notification tools may be used:

#### Maintain an E-Mail List of Interested Parties

*Description:* A list of stakeholders, including members of the community; federal, state, and local representatives who have expressed interest in receiving regular updates about the cleanup activities via mail.

**Objective:** To maintain contact and engage interested stakeholders by providing timely notification on the cleanup activities and important documents where the community can provide public comment.

**Method/Timing:** The Navy will continue to maintain and update an electronic list of interested parties on a regular basis. Electronic communications will be distributed to provide timely information on a particular topic. E-mail notifications will also be used to announce public meetings.

## Public Notices

**Description:** Public notices are used to share information about important announcements or to provide the public with details about important milestones; they also provide opportunities for participation in specific steps of the CERCLA process.

**Objective:** To notify interested persons about events and activities related to the cleanup program and to meet regulatory requirements for advertising comment periods and public meetings.

**Method/Timing:** Public notices will be published in the preferred newspaper based on the response to the survey and will be distributed electronically. They are released approximately 1-2 weeks before a public meeting or beginning of a public comment period.

## Point of Contacts

**Description:** Provide points of contact and information resources to respond to inquiries from the public related to the investigations as NAS Patuxent River.

**Objective:** To provide the community with clear point of contact for obtaining information about the ERP at NAS Patuxent River.

**Method/Timing:** The points of contact will be included in every communication mailed and distributed to the public, on the website, and in public repositories. The Navy has designated Mr. Patrick Gordon as the Navy PAO for NAS Patuxent River. In this role, Mr. Gordon serves as the central information source for public and media inquiries. As key spokesperson, he will answer telephone calls and respond to written inquiries about site activities. Mr. Gordon can be reached at (301) 757-3343. Mr. David Steckler from NAVFAC Washington is the Remedial Program Manager for the investigation and cleanup of NAS Patuxent River ERP sites. Community members and other interested parties may contact Mr. Steckler at (202) 685-3275 with inquiries about technical issues and future field activities.

### 4.2.2 Stakeholder Interaction Tools

The following tools could be used to increase stakeholder interactions:

## Public Meetings

**Description:** A public meeting is a gathering where Navy personnel can hear the public's views and concerns about an action or proposal and receive updated information on the progress of the cleanup process.

**Objective:** To provide stakeholders with opportunities to learn about the status of site cleanups and receive responses to their questions and concerns directly from the Navy and regulatory agencies' representatives.



**Method/Timing:** The meetings will be scheduled at a time and a location to encourage the greatest possible participation and will focus on soliciting comments from the public. Meetings are publicized using a public notice in a local newspaper about two weeks before the public comment period begins. However, due to the ongoing COVID-19 pandemic, the Navy and regulatory partners are exploring the option of virtual public meetings via Microsoft Teams or other platforms to share information and receive input from the community. The Navy will continuously re-evaluate the ability to conduct in-person meetings as the pandemic subsides.

## Restoration Advisory Board

**Description:** An advisory group for the restoration process with members from the public, the Navy, and the regulatory agencies. These individuals are considered a useful resource in efforts to communicate openly and effectively with the community at large.

**Objective:** To support effective two-way communication between stakeholders and agencies on a particular topic and to increase the Facility's responsiveness to the community's ERP concerns.

**Method/Timing:** The Facility has an active RAB and the last RAB meeting was held in October 2019. Past efforts to assess interest in participating in the RAB have not generated responses from the community. Because of the lack of interest in participation in community meetings, the Navy and regulatory agencies may decide in the future to start the process of adjourning the RAB; this action, if taken, will be completed in accordance with the DoD RAB Rule Handbook process for adjourning an inactive RAB. The Navy will reassess community interest in a RAB every 24 months.

## Public Information Repository

**Description:** Information repositories have been established in the public library in Lexington Park as well as the NAS Patuxent River Library. These are intended to be convenient locations where community members can read and copy official documents about the status of the NAS Patuxent River ERP.

**Objective:** To provide convenient access to site-related information for community members.

**Method/Timing:** The Navy has established two public information repositories for NAS Patuxent River. The one at Lexington Park Public Library is readily available for the general public. The one located at the NAS Patuxent River Library is available for the use of base residents and employees. Locations and hours are listed in Table 2. The Navy is responsible for maintaining the repositories and ensuring that documents are added to the information file as work continues at the site.

**Table 4-1.** Public Information Repositories

Repository	Location	Hours	Contact
<b>1 St. Mary's County Public Library</b>	21744 FDR Boulevard Lexington Park, MD 20653	Monday–Thursday: 0900–2000 Friday: 0900–1700 Saturday: 0900–1700 Closed Sunday	Telephone: 301-863-8188  Fax: 301-863-2550
<b>2 NAS Patuxent River Library</b>	Building 407 (on Cedar Point Road)	Monday–Thursday: 0800–1530 Friday: 1000–1400 Closed Saturday and Sunday	Telephone: 301-342-1927

### 4.2.3 Internet Resources

Internet resources related to cleanup activities at NAS Patuxent River are described as follows:

#### Public Website

*Description:* Internet technology allows new information to be made available quickly and can allow information to be delivered in a user-friendly manner. In particular, this technology can make access to detailed information about sampling and remediation easier to access and visualize than printed reports.

*Objective:* The website allows interested members of the public and regulators to monitor progress at each site. The NAS Patuxent River website will not be used to replace other forms of communication with the community, but rather to supplement and broaden them.

*Method/Timing:* To increase public awareness and acceptance of the NAS Patuxent River website, the link to the public website will be published in all public materials and will be updated annually with the SMP update.

#### Social Media - Facebook Postings

*Description:* Facebook is a social media platform designed for real-time two-way communication. NAS Patuxent River cleanup program information can be shared among subscribers to the page and other Facebook users. The page includes important links and information related to the cleanup work.

*Objective:* To provide another venue for two-way communication with the surrounding community, Facility residents, and other interested parties by sharing short and timely posts regarding cleanup program information.

*Method/Timing:* A Facebook page has been created and will be updated regularly. Comments and questions will be monitored, and responses will be provided accordingly.

#### Administrative Record File

*Description:* The administrative record includes documents that were considered or relied upon in selecting a response action. Internet access to the ARF, which includes technical reports, progress reports, and updates on the cleanup progress. The ARF is available through this link: [https://www.navfac.navy.mil/products\\_and\\_services/ev/products\\_and\\_services/env\\_restoration/installation\\_map/navfac\\_atlantic/washington/nas\\_patuxent\\_river/admin\\_records.html](https://www.navfac.navy.mil/products_and_services/ev/products_and_services/env_restoration/installation_map/navfac_atlantic/washington/nas_patuxent_river/admin_records.html)

*Objective:* The ARF link provides general and site-specific information about the cleanup and is a valuable resource for the public; it is available through both personal and public computers.

*Method/Timing:* To increase public awareness of the NAS Patuxent River ARF, the link to the public website will be published in all public communications and will be updated annually with the SMP update.

# **APPENDIX A**

## **SURVEY QUESTIONS**

FOR NAVAL AIR STATION PATUXENT RIVER  
COMMUNITY INVOLVEMENT PLAN UPDATE –JUNE 2019





## Questions

### Community Involvement Plan Update Naval Air Station Patuxent River, St. Mary's County, Maryland

As part of the Naval Air Station Patuxent River Environmental Restoration Program (ERP), the Navy prepares a Community Involvement Plan. The plan identifies community concerns and describes how the Navy will communicate with the public about environmental restoration activities at the base. The last Community Involvement Plan update was completed in 2008.

The Navy has contracted CH2M to complete the 2019 Community Involvement Plan update. Therefore, CH2M will be collecting data through this questionnaire to understand their concerns and information needs related to environmental studies planned at NAS Patuxent River.

Your answers will help the Navy further understand what is important to you and the type of information your community wants or needs from the Navy regarding NAS Patuxent River ERP activities and munitions response actions. All responses are confidential and will be used in summary format to prepare the Community Involvement Plan update for 2019.

Date:	Name:
<i>Base worker? Resident of [town or base]</i>	
Organization and Title (if any)	
Address	
Telephone, Email (optional)	
Community Profile	
1. How would you describe your community? ( <i>economic, social structure, rural, urban, other</i> )	
2. Do you feel people in your community are concerned about environmental or munitions issues in general?	Please choose
(If yes) What kinds of issues?	
3. Are you aware of any environmental or citizen/action groups that are especially active in the community?	Please choose
(If yes) Which groups?	

General Awareness and Interest	
1. Are you aware that NAS Patuxent is conducting environmental investigations and munitions response actions?	Please choose
(If yes) Which ones?	
2. How much do you think other community members know about these investigations?	Please choose
3. Do you think the community is interested in receiving more information about the investigations?	Please choose
(If yes) How much?	Please choose
(If yes) What kinds of issues about the environmental restoration at NAS Patuxent have attracted the most attention in the community?	
4. Do you think NAS Patuxent has been effective in providing the community with information about the restoration program?	Please choose
Level of Concern	Responses
1. What are your primary concerns about environmental and munitions sites at NAS Patuxent?	Please choose  Other:
2. Do you feel that you are directly or indirectly affected by NAS Patuxent environmental and munitions sites?	Please choose
If yes, in what way do you believe you are affected?	
Level of Involvement	Responses
1. Have you participated in public meetings about NAS Patuxent environmental cleanup program and/or munitions program?	Please choose
(If yes) What were the topic(s) and/or date(s)?	

2. Are you aware of NAS Patuxent Restoration Advisory Board (RAB)?	Please choose
3. Have you received or seen any information about NAS Patuxent restoration program?	Please choose
(If yes) What kind of information?	
Was it useful or interesting to you?	
<b>Information Needs</b>	<b>Responses</b>
1. If you had a question or an issue about NAS Patuxent restoration program, who would you contact?	Please choose Name:
2. Do you know how to contact the Public Affairs Office?	Please choose
3. Have you ever used the information repository at St. Mary's County Library, Lexington Park, MD?	Please choose
4. Have you ever visited the <a href="#">NAS Patuxent restoration program public Web site</a> ?	Please choose
5. (If yes to either) Was the information available there useful to you?	Please choose
Do you have any suggestions for improving it?	
6. What newspaper, radio, or TV stations do you subscribe to and/or listen to for local news?	
7. What would be the best way to advertise public meetings to catch your attention?	
8. How would you like to get information about the NAS Patuxent environmental program?	Please choose Other:
What environmental topics you would like to know about?	

<p>9. Would you like to be on a mailing list to receive information about environmental restoration public meetings at NAS Patuxent?</p>	<p>Please choose</p> <p>Mailing address:</p> <p>E-mail address:</p>
<p>10. Is there anything else you would like to say about NAS Patuxent environmental cleanup program?</p>	
<p>11. Do you have any suggestions of other groups or individuals we should talk to? <i>[phone number, e-mail]</i></p>	<p>Phone:</p> <p>E-mail:</p>

Reset



# **APPENDIX B**

## ACRONYMS AND ABBREVIATIONS



# Acronyms and Abbreviations

<b>AOC</b>	Area of Concern
<b>ARF</b>	Administrative Record File
<b>CERCLA</b>	Comprehensive Environmental Response, Compensation, and Liability Act
<b>CH2M</b>	CH2M HILL, Inc.
<b>CIP</b>	Community Involvement Plan
<b>DoD</b>	Department of Defense
<b>EE/CA</b>	Engineering Estimate/Cost Analysis
<b>ERP</b>	Environmental Restoration Program
<b>Facility</b>	NAS Patuxent River
<b>FFA</b>	Federal Facility Agreement
<b>MDE</b>	Maryland Department of the Environment
<b>NAS</b>	Naval Air Station
<b>NAVFAC</b>	Naval Facilities Engineering Command
<b>Navy</b>	Department of the Navy
<b>NFRAP</b>	No Further Response Action Required (decision document)
<b>NPL</b>	National Priorities List
<b>PA/SI</b>	Preliminary Assessment/Site Inspection
<b>PRAP</b>	Proposed Remedial Action Plan
<b>RAB</b>	Restoration Advisory Board
<b>RCRA</b>	Resource Conservation and Recovery Act
<b>RI/FS</b>	Remedial Investigation/Feasibility Study
<b>ROD</b>	Record of Decision
<b>SMP</b>	Site Management Plan
<b>SWMU</b>	Solid Waste Management Unit
<b>USEPA</b>	United States Environmental Protection Agency





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**ch2m.**  
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