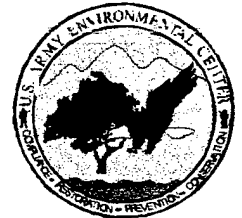


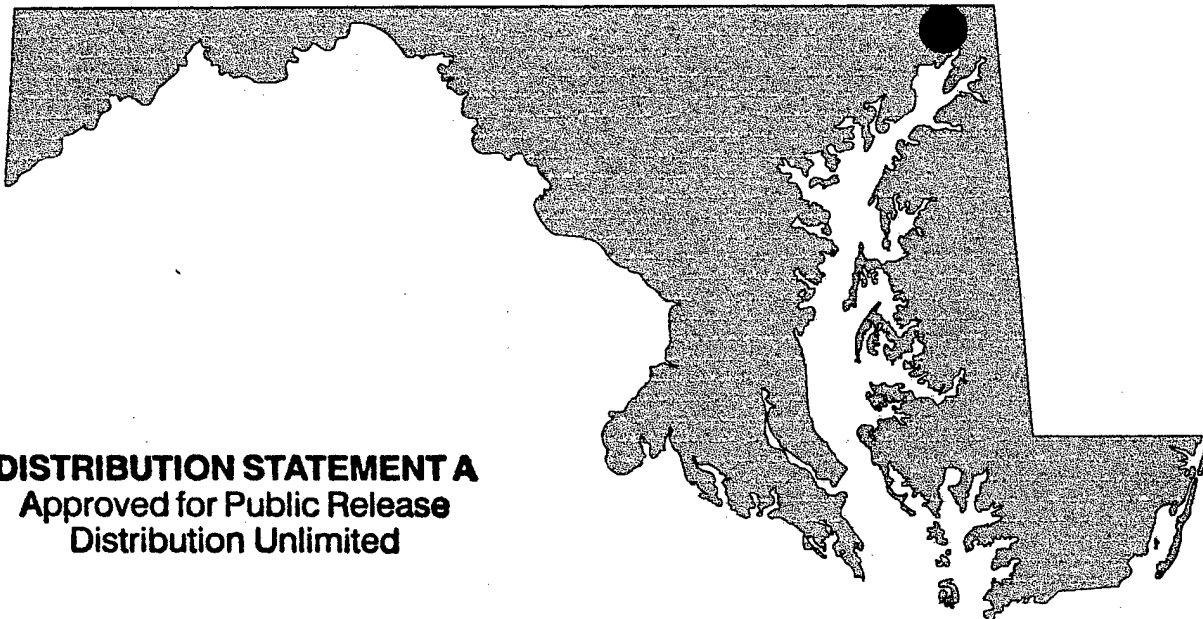


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COLLECTIONS SUMMARY FOR ABERDEEN PROVING GROUND, MARYLAND

U.S. Army NAGPRA Compliance Project,
Technical Report No. 47



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Prepared for the
U.S. Army Environmental Center,
Environmental Compliance Division

by the
U.S. Army Corps of Engineers,
St. Louis District,
*Mandatory Center of Expertise for the Curation and Management
of Archaeological Collections*

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**AN ARCHAEOLOGICAL COLLECTIONS SUMMARY
FOR ABERDEEN PROVING GROUND, MARYLAND**

**Information Provided for Compliance with the
Native American Graves Protection and Repatriation Act
Section 6 Summary**

**Prepared for the
U.S. Army Environmental Center,
Environmental Compliance Division
Aberdeen Proving Ground, Maryland**

**By
U.S. Army Corps of Engineers,
St. Louis District,
Mandatory Center of Expertise for the
Curation and Management of Archaeological Collections,
U.S. Army NAGPRA Compliance Project,
Technical Report No. 47**

January 1996

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OBJECTIVES AND METHODS

The U.S. Army Environmental Center (AEC) tasked the Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX) with the job of assisting Army installation personnel in complying with the requirements of the Native American Graves Protection and Repatriation Act (P.L. 101-601, NAGPRA). The MCX was asked to locate and assess archaeological collections derived from Army-owned lands, to identify the federally recognized Native American tribes most likely culturally affiliated with the collections, to draft Section 6 Summary letters for each installation, and to conduct physical inventories of any collections that contain human skeletal remains. This report conveys the results of the collections research completed to assist Aberdeen Proving Ground in complying with the Section 6 Summary requirements of NAGPRA.

The MCX used a two-stage process to identify, locate, and assess the contents of archaeological collections from the installation. First, archival research was performed to review all archaeological site records and reports for the installation. Second, telephone interviews were conducted with personnel at installations, universities, museums, and archaeological contractors that were identified during the archival research as possible repositories of Army collections. The MCX did not physically verify the existence of collections and, as such, the information contained in this report is based on background record reviews and information obtained via telephone interviews with the aforementioned installation personnel and institution professionals.

Archival research for Aberdeen Proving Ground began with a search of the National Archeological Data Base (NADB) for references pertaining to the installation. This was followed by a thorough examination of all archaeological site forms and a literature review of all pertinent archaeological reports and manuscripts on file at the Maryland Historic Trust, Division of Historic and Cultural Programs, Department of Housing and Community Development, in Crownsville, Maryland. The records search was performed in August 1995, and sought to identify any work on the installation that may have produced archaeological collections.

Subsequent telephone interviews to potential collections repositories ascertained whether the materials were present and the range of objects in each collection. Once the collections were located and assessed, MCX personnel identified federally recognized Native American tribes that are likely to be culturally affiliated with the materials in the collections. Draft Section 6 Summary letters are enclosed for each of these tribes (Appendix I), as well as a listing of each current tribal chairperson (Appendix II).

RESEARCH RESULTS

ARCHAEOLOGICAL INVESTIGATIONS AT ABERDEEN PROVING GROUND

The archaeological investigation of Aberdeen Proving Ground is reported to have begun in the 1920s with artifact collection by private investigators/collectors. The professional archaeological investigation of the installation began in the 1970s with work conducted by the Maryland Geological Survey and has continued until the present. In total, six groups have performed professional archaeological investigations at Aberdeen Proving Ground. These are:

Maryland Geological Survey, Department of Natural Resources,
Division of Archaeology, Baltimore, Maryland,
Envirosphere Company, Lyndhurst, New Jersey,
R. Christopher Goodwin & Associates, Frederick, Maryland,
Thunderbird Research Corporation, Front Royal, Virginia,
U.S. Army Corps of Engineers, Baltimore District, Baltimore, Maryland, and
Steve Wilke and Gail Thompson, private investigators sponsored by the State of
Maryland Coastal Zone Management Program.

Only the investigations of the Maryland Geological Survey, R. Christopher Goodwin & Associates, and various private investigators/collectors are believed to have produced artifact collections. These investigations consisted of systematic surface surveys and test excavations to mitigate adverse effects on sites where necessary for the installation's mission.

SUMMARY OF ARCHAEOLOGICAL COLLECTIONS

Archaeological collections for Aberdeen Proving Ground totaling approximately 33 ft³ of artifacts and 1.9 linear feet of associated documentation have been reported by the installation, repositories, and investigating agencies. The prehistoric period artifacts reported include stone tools, ceramics, and faunal remains. The historic period materials reported include ceramics, glass, metal, gun flints, tobacco pipes, and architectural debris.

As of the date of this report, the artifacts are believed to be located in the following five repositories:

<u>Location</u>	<u>Volume</u>
Maryland Historical Society, Hartford County Chapter	undetermined
Maryland Historical Trust, Crownsville, Maryland	~ 1.2 ft ³ of artifacts, 3 inches of documentation
R. Christopher Goodwin & Associates, Frederick, Maryland	~ 20 ft ³ of artifacts, 4 inches of documentation
Department of Safety, Health and Environment, Aberdeen Proving Ground, Maryland	~ 11.8 ft ³ of artifacts, 1.2 ft of documentation
U.S. National Museum, Division of Archaeology, Smithsonian Institution, Washington, D.C.	undetermined

The Hartford County Chapter of the Maryland Historical Society houses an undetermined volume of artifacts that were collected from archaeological sites on Aberdeen Proving Ground. These artifacts are part of a larger collection donated by the heirs of the estate of Paul Cresthull, private collector. At present, it is unclear exactly which of the artifacts in the Cresthull collection were taken from property owned by Aberdeen Proving Ground. Prehistoric artifacts in the Cresthull collection include flaked stone tools, ceramics, and faunal remains. A handwritten note, dated 12 January 1973 and attached to the state site file record, indicates that human skeletal remains might have been present at site 18HA1, but it is unclear if these remains were collected or simply observed by Cresthull. Skeletal material, described in the site file record as "pieces and fragments," was recovered by Cresthull from site 18HA14. The MCX is scheduled to investigate these reports of skeletal remains during 1996 for further clarification of the Cresthull collection.

The Maryland Historical Trust, Crownsville, Maryland, houses approximately 1.2 ft³ of material from one archaeological site on Aberdeen Proving Ground. According to information provided by the Maryland Historical Trust, these materials have not been assigned accession numbers, but, rather, are identified in the repository by site number and as catalog lot numbers 1-22, control box #2017. The collection contains materials from both the prehistoric and historic time periods. The prehistoric site component is described as a lithic scatter from which flaked stone materials were recovered. The historic period component is described as a 19th through 20th Centuries domestic site and materials recovered include glass, brick, metal, and ceramics. No prehistoric or historic period human remains are included among collection materials. Maryland Historical Trust has approximately 3 linear inches of reports related to archaeological work conducted at Aberdeen Proving Ground.

R. Christopher Goodwin & Associates, Frederick, Maryland, houses approximately 20 ft³ of artifactual material and approximately four linear inches of documentation from four archaeological sites on Aberdeen Proving Ground. These materials have not been given accession numbers, but, rather, are identified in the repository as APH30. The collection contains shells and shell fragments from a prehistoric midden site. No human remains are included among the collection materials.

The Department of Health, Safety and Environment (DSHE), Aberdeen Proving Ground, Maryland, houses approximately 11.8 ft³ of material from nine archaeological sites on Aberdeen Proving Ground. Accession numbers, or other repository identification information for these materials, were not available from DSHE. The collection contains materials from both the prehistoric and historic time periods. The prehistoric materials in this collection include stone tools, flaked stone debris, and ceramics. The historic period materials date from the 19th and 20th Centuries and include glass, brick, metal, ceramics, and structural debris. No prehistoric or historic period human remains are included in these collections. Approximately 1.2 linear feet of documentation is included with the artifact collection.

The attached *Summary of Current Locations of Archaeological Collections from Aberdeen Proving Ground* (Appendix III) provides detailed information about each collection derived as a result of archaeological investigations at the installation. A collection consists of all of the materials, artifacts and associated documentation (e.g., field notes, maps, photos, data analyses, correspondence), produced as a result of an archaeological investigation or project at a single site or multiple sites. In some cases, the same archaeological site may have been investigated by various individuals or organizations. Depending on where the resulting collections are curated, they may be stored and identified as separate collections or separate components of a single collection. In cases where the artifacts and records have become separated, we list the records collections repository as well.

Every attempt has been made to locate all collections cited on available archaeological site records or in published and unpublished references to archaeological investigations on the installation.

Collections at the Smithsonian Institution

An undetermined quantity of artifact material is also believed to be housed at the Smithsonian Institution, Washington, D.C. This material, identified as the Richard Stearns Collection in the Maryland State Archaeological Site File Records, is reported by the same source to have been accessioned by the U.S. National Museum, Division of Archaeology, as accession number 191329. The Smithsonian Institution has indicated that it shall be responsible for all NAGPRA reporting and inventory of its archaeological collections, and at present, both the quantity and types of materials contained in the Richard Stearns collection are undetermined.

NAGPRA-Related Items

Notations attached to the site file records at the Maryland Historic Trust indicate the possibility that skeletal remains were observed and/or collected by Paul Cresthull, private collector, during his investigations of site 18HA1 and 18HA14 on Aberdeen Proving Ground. However, the collection of skeletal remains from these sites has not yet been verified, and an investigation into this matter has been scheduled for 1996.

No associated/unassociated funerary objects, sacred objects, or objects of cultural patrimony were identified during the review of the archaeological site records, literature or telephone interviews for Aberdeen Proving Ground. The final determination of these objects, may be established upon further consultation with culturally affiliated Native American tribes according to the definitions and restrictions specified in NAGPRA.

REFERENCES TO ARCHAEOLOGICAL INVESTIGATIONS

Two sets of references regarding archaeological work conducted on Aberdeen Proving Ground are attached: Appendix IV contains the list of references reviewed by the MCX during its archival research; and Appendix V is the list of references contained in the National Archeological Data Base (NADB).

NATIVE AMERICAN TRIBES ASSOCIATED WITH ABERDEEN PROVING GROUND

The cultural affiliation for the artifacts collected from Aberdeen Proving Ground was not stated in the reports or site files, however there is ethnographic and archaeological evidence of prehistoric and historic Native American occupation of the area.

The Conoy are believed to have been the aboriginal tribe that inhabited the western shore of the Chesapeake Bay between the Potomac and the Susquehanna Rivers (Feest 1978:240). No longer an identifiable tribal entity, the Conoy are believed to have splintered into several groups by the mid-1700s and, ultimately, to have been absorbed among the Six Nations of the Iroquois and among the Delaware, as a result of the northward and westward migration of Native American tribes out of Maryland to escape the European invasion (Feest 1978:246-247). Historically, the names Conoy, Nanticoke, and Piscataway have been used interchangeably to refer to Native Americans groups from Maryland, regardless of actual tribal origin (Weslager 1983:165).

By 1700, the majority of Conoy had migrated out of southern Maryland and by the mid-1700s, groups of Conoy were identified in New York, Pennsylvania, and Ohio. Shortly after the

American Revolution, some Conoy, along with a neighboring tribe, the Nanticoke, relocated to join the Six Nations of the Iroquois in Canada (Feest 1978:246) as subjugated tribes (Witt 1970:94-95).

Rather than moving north to join the Six Nations, a small number of Conoy moved westward, along with their aboriginal neighbors, the Nanticoke, to join the Delaware. By 1818, Conoy and Nanticoke groups had crossed the Mississippi River to join the Delaware in Kansas, and, after 1867, were removed with the Delaware to Oklahoma (Feest 1978:246).

A third identifiable splinter group of the Conoy remained near their old homes in Maryland, but since their tribe was no longer officially present in the state, they lost their official status as Indians and were classified by the State as "free Negroes." In order to distinguish themselves from this non-Indian group, in the 1880s they began to identify themselves as "Wesorts." Some of these remnant groups also identified themselves as descendants of the Piscataway, Mattawoman, Nangemaick, or Sacayo tribes. In 1974, one group incorporated under Maryland State law as the Piscataway tribe (Feest 1978:247).

SECTION 6 COMPLIANCE

P.L. 101-601 (NAGPRA) requires that federal agencies engage in active consultation with Native Americans of federally recognized tribes and/or lineal descendants who may be culturally affiliated with the archaeological collections from the installation. Enclosed are draft NAGPRA Section 6 Summary letters (Appendix I) and a list of the tribal chairpersons from the federally recognized tribes (Appendix II) that may be culturally affiliated with the collections. Of the tribes referenced above, only the Six Nations of the Iroquois and the Delaware are federally recognized.

Several groups with potential relevance to Aberdeen Proving Ground are in various stages of petitioning the federal government for official recognition as Indian tribes. The Piscataway-Conoy Confederacy & Subtribes, Inc. recently submitted (20 June 1995), a petition to the Bureau of Indian Affairs; the Delawares of Idaho submitted a petition in 1979 but have yet to supply additional documentation required by the Bureau (Bureau of Indian Affairs 1995:5-6).

Other groups have submitted letters of intent to petition: the Nanticoke Indian Association of Delaware, the Nanticoke Lenni-Lenape Indians of New Jersey, the Accohannock Indian Tribal Association, Inc. of Maryland, and the Delaware-Muncie of Kansas (Bureau of Indian Affairs 1995:6-7).

A group entitled Munsee-Thames River Delaware from Colorado was denied federal acknowledgment effective 3 January 1983 (Bureau of Indian Affairs 1995:3).

Initial consultation should be conducted on a government-to-government basis with federally recognized tribes. Refer to P.L. 101-601 (NAGPRA) for specifics on required Native American consultation and the legal definitions of items subject to NAGPRA.

REFERENCES CITED

Bureau of Indian Affairs

- 1995 *Summary Status of Acknowledgment Cases (as of July 11, 1995)*. Bureau of Indian Affairs, Branch of Acknowledgment and Research, Washington, D.C.

Feest, Christian F.

- 1978 Nanticoke and Neighboring Tribes. In *Northeast*, edited by Bruce G. Trigger. *Handbook of North American Indians*, Volume 15, William C. Sturtevant, general editor, pp. 656-667. Smithsonian Institution, Washington, D.C.

Weslager, C. A.

- 1983 *The Nanticoke Indians: Past and Present*. University of Delaware Press, Newark.

Witt, Shirley Hill

- 1970 Nationalistic Trends Among American Indians. In *The American Indian Today*, edited by Stuart Levine and Nancy O. Lurie, pp. 93-127. Penguin Books, Inc., Baltimore, Maryland.

APPENDIX I

DRAFT SECTION 6 SUMMARY LETTER FOR THE SIX NATIONS OF THE IROQUOIS TRIBES AND DELAWARE TRIBES

[Installation Header]

[Tribal POC Name]

[Title]

[Address]

[City, State, Zip]

Dear [Name of POC]:

I am writing to inform you of collections held by Aberdeen Proving Ground that may contain Native American cultural items, as defined by the Native American Graves Protection and Repatriation Act (NAGPRA), that are, or are likely to be, culturally affiliated with the [Tribe]. Aberdeen Proving Ground has documented these archaeological collections in a Summary in accordance with the requirements of Section 6 of NAGPRA.

Aberdeen Proving Ground is responsible for collections that include approximately 1.2 ft³ of artifacts housed at the Maryland Historical Trust, Crownsville, Maryland; approximately 20 ft³ of artifacts housed at R. Christopher Goodwin & Associates, Frederick, Maryland; approximately 11.8 ft³ of artifacts housed at the U.S. Army Environmental Center, Aberdeen Proving Ground, Maryland; an undetermined volume of artifacts housed by the Hartford County Chapter of the Maryland Historical Society, Hartford County, Maryland; and an undetermined volume of artifacts housed at the Smithsonian Institution, Washington, D.C. These archaeological collections were generated from surveys and/or excavations conducted from the 1920s through the present. The collections consist of prehistoric stone tools, ceramics, animal bone fragments, and historic period materials such as building materials, ceramics, metal, and glass, as well as associated documentation such as field notes, photographs, and correspondence. According to hand written notations attached to the state archaeological site file records reported by Paul Cresthull, human skeletal remains were possibly identified at archaeological sites number 18HA1 and 18HA14. At present, however, it is unclear if these materials were collected and the matter is scheduled for further examination during 1996.

We are notifying [tribe] because some of these materials were found in the area thought to be part of the territory occupied by the Conoy tribe, possible ancestors to some members of your tribe. In accordance with Section 6 of NAGPRA, we are inviting you to consult with us

regarding these archaeological collections. Upon your written request, we will provide you access to review our records, catalogues, relevant studies, or other pertinent data for the purpose of determining the geographic origin, cultural affiliation, and basic facts surrounding acquisition and accession of these collections.

Therefore, by means of this letter we are also initiating consultation regarding the potential NAGPRA Section 5 Inventory. An examination of the information concerning the collection in question is scheduled for 1996 to establish the presence or absence of human skeletal remains. If the [Tribe] wish to comment on, or participate in, the Section 5 Inventory investigations, please respond as soon as possible. We are inviting federally recognized tribes of the Iroquois and Delaware to participate in the Inventory investigations on behalf of possible Conoy descendants in their tribes.

Please feel free to contact [Installation POC name] regarding any of these issues, at [telephone, address].

To facilitate discussions between Aberdeen Proving Ground and the [Tribe] on these matters, please forward the name and method of contacting your tribal representative, traditional religious leader, or preferred NAGPRA point of contact. We look forward to working with you.

Sincerely,

[Commander's signature]

CF: AMC Commander, U.S. Army Materiel Command
 ATTN: AMCEN-ER (Maria Chuck Longo)
 5001 Eisenhower Avenue
 Alexandria, VA 22333

USAEC Commander, US Army Environmental Center
 ATTN: SFIM-AEC-EC (Guldenzopf)
 Aberdeen Proving Ground, MD 21010-5401

MCX Commander, US Army Corps of Engineers
 ATTN: CELMS-PD-C (Trimble)
 1222 Spruce Street
 St. Louis, MO 63103-2833

APPENDIX II

NATIVE AMERICAN POINTS OF CONTACT ABERDEEN PROVING GROUND, MARYLAND

FEDERALLY RECOGNIZED TRIBES THE SIX NATIONS OF THE IROQUOIS*

***Cayuga and Seneca**

Mr. Vernon Isaac, Chief
Cayuga Nation
P.O. Box 11
Versailles, NY 14168
Tele: (716) 532-4847
FAX: (716) 532-5417

Mr. Dennis Bowen, Sr., President
Seneca Nation of Indians
P.O. Box 231
Salamanca, NY 14779
Tele: (716) 945-1790
FAX: (716) 532-9132

Mr. Terry Whitetree, Chief
Seneca-Cayuga Tribe of Oklahoma
P.O. Box 1283
Miami, OK 74355
Tele: (918) 542-6609
FAX: (918) 542-3684

Mr. Bernie Parker, Chief
Tonawanda Band of Senecas
7027 Meadville Road
Basom, NY 14013
Tele: (716) 542-4244
FAX: (716) 542-9692

***Mohawk**

Mr. John Loran, Head Chief
St. Regis Mohawk Council Chiefs
Akwesasne-Community Building
Hogansburg, NY 13655
Tele: (518) 358-2272
FAX: (518) 358-3203

***Oneida**

Mr. Raymond Halbritter, Nation Representative
Oneida Indian Nation of New York
233 Genesee Street
Oneida, NY 13421
Tele: (315) 361-6300
FAX: (315) 361-6333

Ms. Deborah Doxtator, Chairman
Oneida Tribal Council
P.O. Box 365
Oneida, WI 54155-0365
Tele: (414) 869-2214
FAX: (414) 869-2894

***Onondaga**

Mr. Leon Shenandoah, Sr., Head Chief
Onondago Nation
RR 1, Box 270A
Nedrow, NY 13120
Tele: (315) 469-8507

***Tuscarora**

Mr. Arnold Hewitt, Chief
Tuscarora Nation
5616 Walmore Road
Lewiston, NY 14092
Tele: (716) 297-4990

Delaware

Mr. Lawrence F. Snake, President
Delaware Executive Committee
P.O. Box 825
Anadarko, OK 73005
Tele: (405) 247-2448
FAX: (405) 247-9393

APPENDIX III

SUMMARY OF CURRENT LOCATIONS OF ARCHAEOLOGICAL COLLECTIONS FROM ABERDEEN PROVING GROUND, MARYLAND

All collections information has been entered into a Paradox data base file and can be queried by any of the fields listed below, as well as by the name of the installation and by MACOM. The data base will be delivered by the MCX to the U.S. Army Environmental Center upon completion of the U.S. Army NAGPRA Compliance Project. Inquiries for additional information are welcome (MCX: 314-331-8865; U.S. Army Environmental Center NAGPRA Compliance Project: 410-671-1573). The data fields listed in the summary of collections contain the following information:

REPOSITORY:	The current location in which the collection is stored, as of the date of this report.
REPOSITORY POC:	The person contacted by the MCX, or the person to whom inquiries regarding the collection should be addressed.
TELEPHONE:	The telephone number for the repository POC.
COLLECTION ID:	The identifying unit used by the repository to store and/or locate the collection. This can be a unique accession number assigned by the repository, the archaeological site number or project name, the name of the collector of the collection, or another number or name assigned by the repository.
SITE NUMBERS:	The official site number or name only for those sites from which materials were collected. An investigator may have performed work at additional sites but did not collect any materials. Those site numbers are not included in this field.
FIELDWORK DATES:	The date(s) during which the investigation(s) occurred. This information is provided to differentiate between projects that may have investigated the same site repeatedly.
EXCAVATOR/COLLECTOR:	The individual and/or organization that conducted the investigation.

COLLECTION SIZE: The volume or number of objects in a collection, estimated by the repository POC or from project reports.

DESCRIPTION OF MATERIALS: General material classes of the objects in the collection derived from data provided on site records, in references, and/or by the Repository POC.

ANTIQUITY/ARCH. PERIOD: Chronological or cultural-historical designations recorded on site records or in references specific to the collection.

CULTURAL AFFILIATION: This column contains only those ethnic identifications found in the site records or references specific to the collection. This field is left blank if no such information was recorded.

BASIS OF DETERMINATION: Documents the source of the cultural affiliation information (e.g., site record, oral testimony, reference).

SECTION 5 MATERIALS: Describes the number and kind of human skeletal remains and associated funerary objects in the collection, as indicated by the site records, references, repository management documents, or information from repository POC. If these materials are present or are suspected to be present, NAGPRA Section 5 requires a physical inventory of the materials.

Summary of Current Location of Archaeological Collections Fr

As of January 1996

Repository	Repository POC	Telephone	Collection ID	Site Numbers	Fieldwork Dates	Excavator/Col
Department Safety, Health & Environment, Aberdeen Proving Ground, Aberdeen, MD	Reed McMillan	(410) 278-6755	APG Quiet Lodge Artifacts Bag #s; 1 through 171	18HA242		R. Christopher Goodwin & Associates, Frederick, MD
Department Safety, Health & Environment, Aberdeen Proving Ground, Aberdeen, MD	Reed McMillan	(410) 278-6755	Aberdeen Artifacts for Display	18HA242, 18HA122, 18HA99, 18HA133	1992-1993	R. Christopher Goodwin & Associates, Frederick, MD
Department Safety, Health & Environment, Aberdeen Proving Ground, Aberdeen, MD	Reed McMillan	(410) 278-6755	Aberdeen CRMP Artifacts	18HA99, 18HA122, 18HA99, 18HA133	1992-1993	R. Christopher Goodwin & Associates, Frederick, MD
Department Safety, Health & Environment, Aberdeen Proving Ground, Aberdeen, MD	Reed McMillan	(410) 278-6755	Aberdeen ARL Artifacts	18HA235, 18HA236, 18HA237, 18HAX-38	Oct. - Dec. 1992	R. Christopher Goodwin & Associates, Frederick, MD
Department Safety, Health & Environment, Aberdeen Proving Ground, Aberdeen, MD	Reed McMillan	(410) 278-6755	Drawer "C" & "D"			
Maryland Historical Trust, Crownsville, MD	Maureen Cavanaugh	(410) 514-7659	Catalog Lot #1 through #22, Control Box #2017	18HA153	Aug. 7-12, 1985; Sept. 12, 1985	Maryland Geological Survey, Baltimore, MD
R. Christopher Goodwin & Associates, Frederick, MD	Kerry Reimer	(301) 694-0428	Project Number APG 30	18HA19, 18HA77, 18HA246	Dec. 1994; Apr.-Jul. 1995	R. Christopher Goodwin & Associates, Frederick, MD

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ation of Archaeological Collections From: Aberdeen Proving Ground, Maryland [AMC]

As of January 1996

Fieldwork Dates	Excavator/Collector	Collection Size	Description of Materials	Antiquity/Archaeological Period	Cultural Affiliation	Basis of Determination
	R. Christopher Goodwin & Associates, Frederick, MD	11.8 cu. ft.	Lithics, Shell, Ceramics, Soil, 14C, Faunal, Glass, Metal, Brick	Prehistoric; Historic		
1992-1993	R. Christopher Goodwin & Associates, Frederick, MD	Included in 11.8 cu. ft.	Lithics, Faunal, Shell, Glass, Ceramics, Metal	Prehistoric; Historic		
133 1992-1993	R. Christopher Goodwin & Associates, Frederick, MD	Included in 11.8 cu. ft.	Lithics, Faunals, Shell, Ceramics, Glass, Metal	Prehistoric; Historic		
Oct. - Dec. 1992	R. Christopher Goodwin & Associates, Frederick, MD	Included in 11.8 cu. ft.	Lithics, Shell, Ceramics, Glass, Metal	Prehistoric; Historic		
		Included in 11.8 cu. ft.	Lithics, Ceramics, Glass, Metal	Prehistoric; Historic		
Aug. 7-12, 1985; Sept. 12, 1985	Maryland Geological Survey, Baltimore, MD	1.2 cu. ft of Artifacts; .4 linear ft. of Documents	Lithics, Ceramics, Glass, Brick, Metal	Prehistoric; Historic 19th & 20th Centuries		
Dec. 1994; Apr.-Jul. 1995	R. Christopher Goodwin & Associates, Frederick, MD	20 Boxes of Artifacts; .3 linear ft. of Documents	Lithics, Shell, Ceramics	Prehistoric		

	Antiquity/Archaeological Period	Cultural Affiliation	Basis of Determination	Section 5 Materials
C,	Prehistoric; Historic			No
amics,	Prehistoric; Historic			No
	Prehistoric; Historic			No
etal	Prehistoric; Historic			No
	Prehistoric; Historic			No
etal	Prehistoric; Historic 19th & 20th Centuries			No
	Prehistoric			No

APPENDIX IV MCX LIST OF REFERENCES

In addition to the references reviewed by MCX personnel at the archaeological site information center, every attempt was made to obtain references cited but not on file. Information taken from these references was coded for data relating to collections made from sites located on installation property (see attached sample of PD-C Bibliographic Data Sheet form) and entered into a data base for ease of manipulation.

Report titles were drawn directly from the title page of reports, and consist of the following fields:

FIELD	DATA ENTERED
Subject Property	Army Installation name
Last Name	Primary author's last name
First Name	Primary author's first name
Middle Initial	Primary author's middle initial
Secondary Authors	Names of secondary authors, <i>or</i> in instances where the author is a company rather than an individual, the company name is listed here.
Title	Title of the reference. For letter reports, the person or agency to whom the correspondence is addressed is listed as the title.
Series	If the report is part of a publication series, the name and number are provided here.
Date	Date of publication or submission
Length	Report length in pages
Contract Number	Contract number and delivery order number, if applicable

The data for the next three fields are drawn directly from the report title page and reflect the hierarchy of contracting agencies involved in accomplishing the work. In some cases, the sponsoring agency is listed as the Army installation; in others, the intermediary contracting agent, (e.g., the Army Corps of Engineers or the National Park Service) is listed as the Sponsoring Agency.

Sponsoring Agency	Agency for which the report was prepared
Contractor	The agent contracted to perform the work
Subcontractor	The agent subcontracted to perform the work

The majority of the citations for archaeological investigations on Army land refer to unpublished reports prepared under contract with federal agencies, consequently the MCX printout was designed to address these reports. In instances where the author is a company rather than an individual, the company name is listed in the Secondary Authors field (due to the length of the field). For published references, the publisher is listed in the Sponsoring Agency field.

NADB No.

PD-C Collection No.

PD-C Bibliography Data Sheet

Date: _____

Information obtained by: _____

PD-C Project:

Subject Property:

Repository (name and location):

Record Collection Name/Number:

Report Date and Length (in pages):

Author(s):

Title:

Contractor/Address or Publisher/Address (city, state):

Subcontractor/Address (city, state):

Report Series and Number:

Contract/Purchase Order Number(s):

Sponsoring Agency/Address:

Project Name and Location:

Principal Investigator(s)/Director(s):

Fieldwork Dates:

Type of Investigation (e.g., survey, testing, mitigation):

PD-C Bibliography Data Sheet (continued)

Site Numbers:

Archaeological Period (e.g., Hohokam, Mississippian):

Material Classes (range):

Artifact Collections and Locations:

Approximate Size of Collections (e.g., number of objects):

Record Collections and Locations:

NAGPRA Materials (Check if present)

Human Skeletal Remains _____

Objects

Associated Funerary _____

Unassociated Funerary _____

Sacred _____

Cultural Patrimony _____

Human Skeletal Remains Data Sheet <input type="checkbox"/>
Number of Attached Sheets _____

Object Data Sheet <input type="checkbox"/>
Number of Attached Sheets _____

Cultural Affiliation(s):

Basis for Affiliation Determination (e.g., geographic location, burial practices):

Comments:

MCX List of References for Aberdeen Proving Ground, Maryland [AMC] as of January 1996

Subject property : Aberdeen Proving Ground, MD

Last name : Davis

First name : Thomas

Middle Initial : W.

Secondary Authors : Kathryn J. Saul

Title : Supplemental Cultural Resource Investigations to the Cultural Resource Management Plan, Aberdeen Proving Ground:
Phase II Archeological Evaluation of Site 18HA122. FINAL REPORT

Series :

Date : 06/14/95

Length : 159

Contract Number :

Sponsoring Agency : Commander, Atlantic Division, Naval Facilities Engineering Command, Norfolk, VA.

Contractor : R. Christopher Goodwin & Associates, Inc.

Subcontractor :

Subject property : Aberdeen Proving Ground, MD

Last name : Frye

First name : Lori

Middle Initial : A.

Secondary Authors :

Title : An Archeological Reconnaissance of the Maryland Route 755 Bridge Relocation over Winters Run in Harford County,
Maryland

Series : DNR, Maryland Geological Survey, Division of Archeology File Report No. 192

Date : 1986

Length : 31

Contract Number :

Sponsoring Agency : Maryland State Highway Administrator

Contractor : Department of Natural Resources, Maryland Geological Survey, Division of Archeology

Subcontractor :

Subject property : Aberdeen Proving Ground, MD

Last name : Gardner

First name : William

Middle Initial :

Secondary Authors : James Nolan, Edward Otter, Joel Klein, Synde Marshall

Title : An Archeological Overview and Management Plan for the Aberdeen Proving Ground

Series : DARCOM Report No. 17 (Final)

Date : 01/88

Length : 230

Contract Number : CX4000-3-0018

Sponsoring Agency : US Army Material Development and Readiness Command

Contractor : National Park Service, US Department of the Interior

Subcontractor : Environsphere Company

MCX List of References for Aberdeen Proving Ground, Maryland [AMC] as of January 1996

Subject property : Aberdeen Proving Ground, MD

Last name : Gardner

First name : William

Middle Initial : M.

Secondary Authors : Gary Haynes

Title : A Cultural Resources Reconnaissance and Test Excavation on the 15 Acre Tract of the Proposed NCO Open Mess Adjacent to Swan Creek, Aberdeen Proving Grounds, Maryland

Series :

Date : 1977

Length : 74

Contract Number :

Sponsoring Agency : US Army Corps of Engineers-Baltimore District

Contractor : Thunderbird Research Corporation

Subcontractor :

Subject property : Aberdeen Proving Ground, MD

Last name : Grandine

First name : Katherine

Middle Initial :

Secondary Authors : Thomas W. Davis, Christopher R. Polglase, Kathryn M. Kuranda, Leo P. Hirrel, Tom Dod, Timothy Silver, S. Justine Woodland, & Bethany M. Usher

Title : Aberdeen Proving Ground Cultural Resource Management Plan. Revised Draft Report, Volume I

Series :

Date : 07/93

Length :

Contract Number :

Sponsoring Agency : US Army Corps of Engineers-Baltimore District

Contractor : R. Christopher Goodwin & Associates, Inc.

Subcontractor :

Subject property : Aberdeen Proving Ground, MD

Last name : Israel

First name : Stephen

Middle Initial : S.

Secondary Authors :

Title : An Abridged Cultural Resources Reconnaissance of Three Proposed Overboard Disposal Sites, for the Aberdeen Proving Ground Maintenance Dredging at the Head of Chesapeake Bay, Harford County, Maryland

Series :

Date : 11/81

Length : 40

Contract Number :

Sponsoring Agency : Aberdeen Proving Ground, MD

Contractor : US Army Corps of Engineers-Baltimore District

Subcontractor :

MCX List of References for Aberdeen Proving Ground, Maryland [AMC] as of January 1996

Subject property : Aberdeen Proving Ground, MD

Last name : Marye

First name : William

Middle Initial : B.

Secondary Authors :

Title : Shell-Heaps on Chesapeake Bay. In A Report of the Susquehanna River Expedition, Andover Press, Andover, MA

Series :

Date : 1938

Length : 2

Contract Number :

Sponsoring Agency :

Contractor :

Subcontractor :

Subject property : Aberdeen Proving Ground, MD

Last name : Mintz

First name : John

Middle Initial : J.

Secondary Authors : Michelle T. Moran, Alice Crampton and Thomas W. Davis

Title : Historical and Archeological Investigations fro the Proposed US Army Material Command Army Research Laboratory, Aberdeen Proving Ground, Maryland. DRAFT REPORT

Series :

Date : 12/92

Length : 180

Contract Number :

Sponsoring Agency : US Army Corps of Engineers-Baltimore District

Contractor : R. Christopher Goodwin & Associates, Inc.

Subcontractor :

Subject property : Aberdeen Proving Ground, MD

Last name : Wilke

First name : Steve

Middle Initial :

Secondary Authors : Gail Thompson

Title : Catalog of Artifacts Collected During Maryland Coastal Zone Cultural Resource Survey of April - June 1976

Series :

Date : 11/79

Length : 39

Contract Number :

Sponsoring Agency : Division of Archeology, Maryland Geological Survey

Contractor : Wilke & Thompson

Subcontractor :

MCX List of References for Aberdeen Proving Ground, Maryland [AMC] as of January 1996

Subject property : Aberdeen Proving Ground, MD

Last name : Wilke

First name : Steve

Middle Initial :

Secondary Authors : Gail Thompson

Title : Prehistoric Archeological Resources in the Maryland Coastal Zone: A Management Overview

Series :

Date : 08/77

Length : 427

Contract Number :

Sponsoring Agency : Maryland Department of Natural Resources Energy and Coastal Zone Administration (under a Coastal Zone Management Program Development Grant from the National Oceanic & Atmospheric Administration)

Contractor : Wilke & Thompson

Subcontractor :

APPENDIX V

NATIONAL ARCHEOLOGICAL DATA BASE REFERENCES FOR ABERDEEN PROVING GROUND, MARYLAND

No attempt has been made to edit the National Archeological Data Base format or to correct obvious errors.

Gardner, William M. And Gary Haynes

1978 _A Cultural Resources Reconnaissance and Test Excavations On the 15 Acre Tract of the Proposed Nco Open Mess Adjacent to Swan Creek, Aberdeen Proving Grounds, Maryland___. Thunderbird Research Corp., Front Royal, VA. Submitted to Baltimore District Army Corps of Engineers. (3001)

Israel, Stephan S.

1981 _An Abridged Cultural Resources Reconnaissance of Three Proposed Overboard Disposal Sites, for the Aberdeen Proving Ground Maintenance Dredging at the Head of the Chesapeake Bay, Hartford County, Maryland. Spesutie Island Narrows Federal Nav___. Stephan S. Isreal. Submitted to Us Army Corps of Engineers, Baltimore District. (3000)