

**MARYLAND HISTORICAL TRUST  
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes   
no

Property Name: Building 15, Applied Mathematics Building Inventory Number: M: 29-52-15  
 Address: 9500 MacArthur Boulevard Historic district:  yes  no  
 City: West Bethesda Zip Code: 20817 County: Charles  
 USGS Quadrangle(s): Falls Church  
 Property Owner: United States Navy Tax Account ID Number: \_\_\_\_\_  
 Tax Map Parcel Number(s): \_\_\_\_\_ Tax Map Number: \_\_\_\_\_  
 Project: Contract N40080-07-D-0311, Delivery Order 26 Agency: NAVFAC Washington  
 Agency Prepared By: The Louis Berger Group, Inc.  
 Preparer's Name: Patti Kuhn Date Prepared: 10/26/2011  
 Documentation is presented in: 2011 Integrated Cultural Resources Management Plan

Preparer's Eligibility Recommendation: \_\_\_\_\_ Eligibility recommended  Eligibility not recommended  
 Criteria:  A  B  C  D Considerations:  A  B  C  D  E  F  G

*Complete if the property is a contributing or non-contributing resource to a NR district/property:*

Name of the District/Property: NSWCCD Historic District  
 Inventory Number: M: 29-52 Eligible:  yes Listed:  yes

Site visit by MHT Staff  yes  no Name: \_\_\_\_\_ Date: \_\_\_\_\_

Description of Property and Justification: *(Please attach map and photo)*

**Setting**

Building 15 is located in central portion of the 183.6-acre Naval Support Facility (NSF) Carderock, formerly known as the Naval Surface Warfare Center Carderock Division (NSWCCD). Located approximately 12 miles northwest of Washington, D.C., near Bethesda, Maryland, NSF Carderock is situated north of the Potomac River and is bordered by the Clara Barton Parkway to the south and MacArthur Boulevard to the north and east. The installation is composed of 123 buildings and structures that function as research laboratories, administration facilities, and operations and utility structures. At the center of the installation is the David Taylor Model Basin (DTMB) (Buildings 1-4), a group of interconnected buildings that include a model basin, an administration building, a shop building, and a laboratory. Building 15 sits on Taylor Boulevard south of the model basin (Building 4). Facing south, the building sits back from the road and is fronted by a small grassy lawn.

**Description**

Building 15 was built in 1953 as the Applied Mathematics Building. The main block of the building consists of a two-story section on its east end and one-story three-bay section on its west end. The exterior walls of the main block are constructed of poured

<b>MARYLAND HISTORICAL TRUST REVIEW</b>	
Eligibility recommended _____	Eligibility not recommended <input checked="" type="checkbox"/>
Criteria: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D	Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G
MHT Comments: <i>Lacks integrity</i>	
<i>[Signature]</i> Reviewer, Office of Preservation Services	<u>6/26/14</u> Date
<i>[Signature]</i> Reviewer, National Register Program	<u>6/26/14</u> Date

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concrete panels and the building has a flat roof with metal coping. The two-story section of the main block is unfenestrated except for a single-leaf metal door on the east elevation. Lettering on the south elevation of the two-story section reads, "Dr. M.M. Sevik Acoustic Data Analysis Center." The main entrance to the building is located in the one-story section of the main block, adjacent to the two-story section. It consists of a double-leaf and single-leaf metal and glass doors with one-light sidelights and transoms. A canted flat-roofed awning shelters the entrance. The remainder of the one-story section is pierced by large glass-block windows.

Nine additions have been made to the building on the east, west, and north elevations since the building was erected in 1953. All of the additions are constructed of concrete block and have flat roofs; however, the sizes of the additions vary. A high-bay addition was built on the east elevation of the building in 1986 and is connected to the 1953 main block by a narrow one-story hyphen. A one-story, two-bay addition was built on the west elevation of the main block in 1958. The building was expanded to the west in 1982 with a one-story addition, which is set back from the 1958 addition. A one-story two-bay addition was built on the west side of the 1982 addition in 1985. Five additions are located on the rear of the building. The first, built in 1964, is a small one-story addition on the northwest corner of the main block. A small one-story addition, erected in 1968, stands on the east elevation of the 1964 addition and is attached to the rear elevation of the main block. The building was further expanded to the west with subsequent rear additions in 1972, 1975, and 1993. The largest of the rear additions was constructed in 1993.

The interior of the building has also undergone renovations since its construction. No original equipment, such as computers or laboratory equipment, remains in the building. The building is currently used as an Underwater Research Lab and named the Dr. M.M. Sevik Acoustic Data Analysis Center (INFADS 2011).

Evaluation

Building 15, the Applied Mathematics Building, was completed in 1953 and dedicated on October 16 (Carlisle 1998:486). It was the first of two applied mathematics buildings constructed at NSF Carderock during the 1950s. The construction of this building reflects the "Golden Age of Research" and the shift to computer technology. As the activities in the building expanded, additional space was needed; since the building's construction in 1953, a total of nine additions have been made to the building. The first addition was constructed in 1958 and the last in 1993.

In 1985 the DTMB and associated buildings (Buildings 1-4) were listed in the National Register of Historic Places (M: 29-47). The campus of buildings created at NSF Carderock from 1938 to 1958 was determined eligible for the National Register as the Naval Surface Warfare Center Carderock Division (NSWCCD) Historic District in 1996. The determination of eligibility stated that the historic district possesses the qualities of exceptional significance under Criterion G "within the historic context of military research, design, testing, and evaluation." It also stated that the historic district meets Criterion A for events that have made a significant contribution to military technology, and Criterion C for its intact collection of RDT&E buildings and facilities. The period of significance for the historic district was determined as beginning in 1938 when the model basin was constructed and ending in 1958, the end date of physical model testing and the official mission change to include computer research and testing. In 1996, 116 built resources were recorded and 44 were determined as contributing to the historic district (Melhuish 1996).

In 2006 The Louis Berger Group, Inc., updated the ICRMP for NSF Carderock. In October-November 2005 Buildings 16 and 18 were re-evaluated and found to be eligible for the National Register as contributing elements in the historic district. This evaluation also recommended that the period of significance for the historic district (originally 1938 to 1958) warranted expansion to 1970, marking the completion of the Anechoic Test facility and the close of the 20 "Golden Years of Research" at DTMB (Bowers 2005).

Building 15 is recommended as non-contributing to the NSWCCD (NSF Carderock) Historic District because it lacks integrity. Although significant as part of the "Golden Age of Research" at NSF Washington, which specifically notes the importance of the

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MHT Comments:

\_\_\_\_\_  
Reviewer, Office of Preservation Services

\_\_\_\_\_  
Date

\_\_\_\_\_  
Reviewer, National Register Program

\_\_\_\_\_  
Date

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Building 15, Applied Mathematics Building

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Applied Mathematics Department, the building has no less than nine additions constructed between 1958 and 1993. Of the nine additions, six were built after 1970, the period of significance of the historic district. The additions completely mask the original 1953 building and compromise the integrity of design, materials, and workmanship of the building, resulting in a loss of association and feeling. In addition, no computer or laboratory equipment dating to the period of significance remains in the interior of the building. Therefore Building 15 does not retain sufficient integrity to be associated with the significance of the historic district for its contribution to military technology (Criterion A) or as part of the campus's collection of RDT&E buildings (Criterion C).

Works Cited

Bowers, Martha H.

2005 Maryland Inventory of Historic Property Forms for Buildings 16 and 18, NSWCCD. Prepared for the United States Navy by The Louis Berger Group, Inc., Morristown, New Jersey. On file, Maryland Historical Trust, Crownsville.

Internet Navy Facilities Assets Data Store [INFADS]

2011 Various property records. Naval Facilities Engineering Command [NAVFAC] Washington, D.C.

Melhuish, Geoffrey E.

1996 Historical and Architectural Documentation of the Naval Surface Warfare Center Carderock Division, Maryland: Draft. Prepared for Engineering Field Activity-Chesapeake, Washington, D.C., by R. Christopher Goodwin and Associates, Inc.

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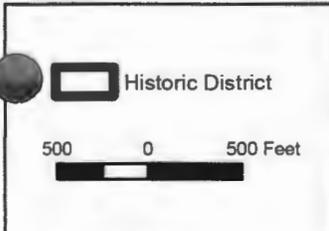
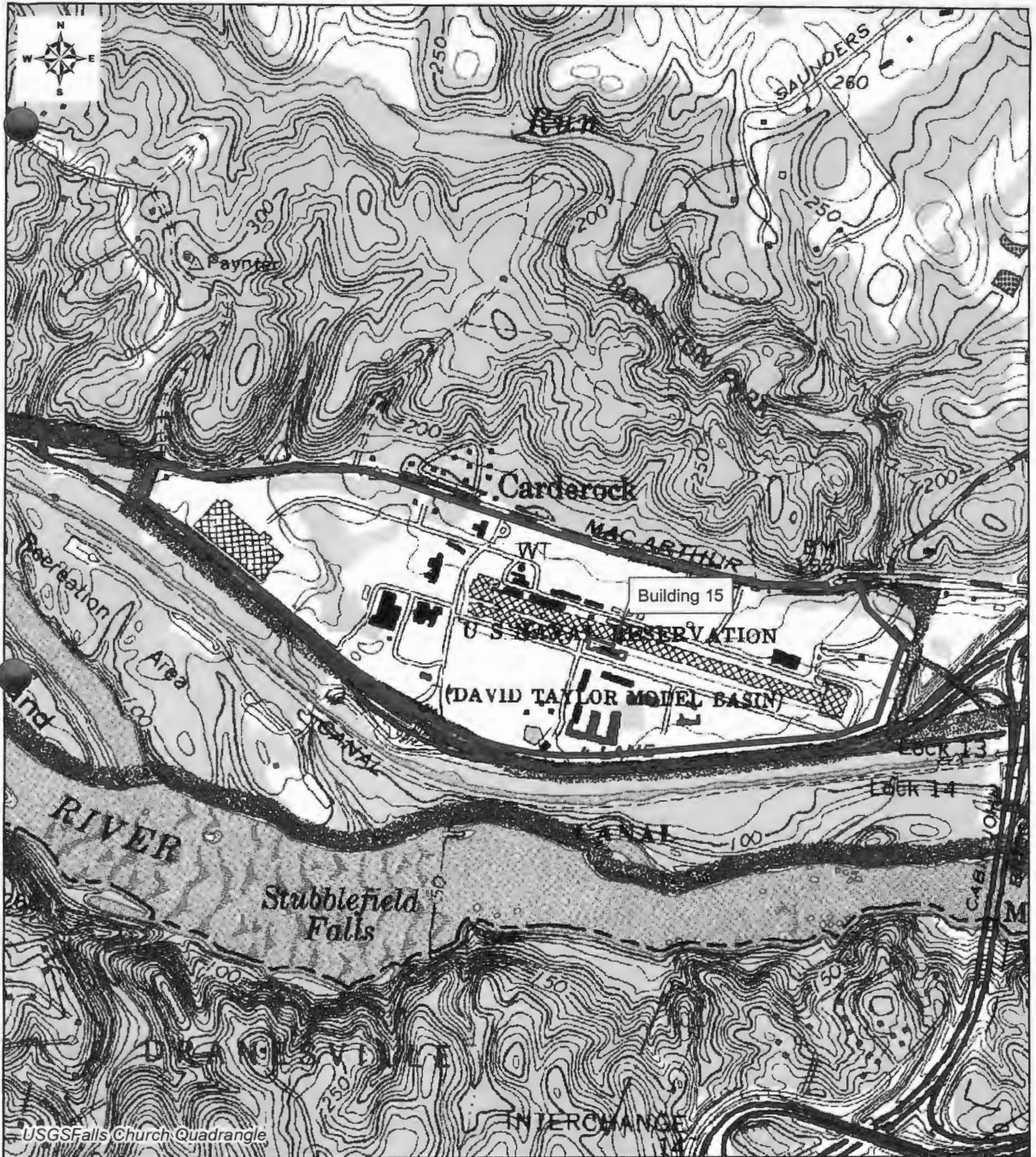
MHT Comments:

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Reviewer, Office of Preservation Services

\_\_\_\_\_  
Date

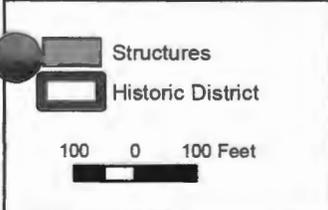
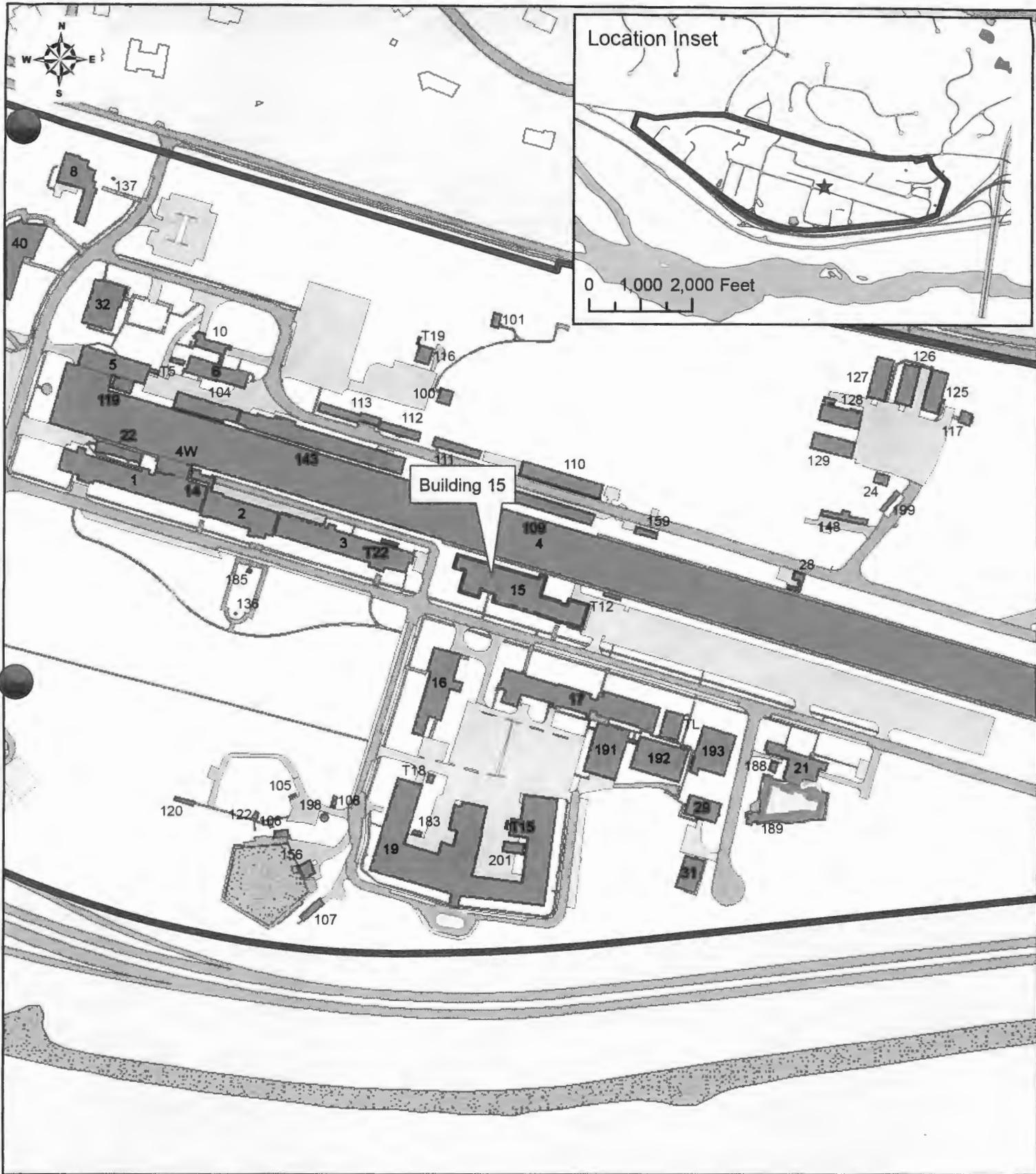
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Reviewer, National Register Program

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Date



Naval Support Facility, Carderock  
 NSWCCD Historic District (MIHP No. M:29-52)15

Building Number 15



Naval Support Facility, Carderock  
 NSWCCD Historic District (MIHP No. M:29-52) 15  
 Building Number 15

A black and white photograph of a modern, white, single-story building. The building has a flat roof and large windows. A sign on the side of the building reads "DR. HAR BEKIK ACOUSTIC DATA ANALYSIS CENTER". There is a small entrance with a ramp and a person standing near it. A striped barrel is in the foreground on the right. A paved walkway leads from the bottom left towards the building. There are some trees and bushes in the middle ground. The sky is clear and dark.

DR. HAR BEKIK  
ACOUSTIC DATA  
ANALYSIS CENTER

15

M: 29 - 52-15

NSWCCD HISTORIC DISTRICT (NSF CORDECOU)

BLDG 15. APPLIED MATHEMATICS BUILDING

MONTGOMERY COUNTY, MD

LOUIS BERGER GROUP

4/2010

MDSHPO

SOUTH ELEVATION, LOOKING WEST

PHOTO 1 OF 2



M: 29-52-15

NSWCCD HISTORIC DISTRICT (NSF CORDEROCK)

BLDG 15. APPLIED MATHEMATICS BUILDING

MONTGOMERY COUNTY, MD

LOUIS BERGER GROUP

4/2010

MDSHPD

SOUTH ELEVATION, LOOKING EAST

PHOTO 2 OF 2