



# 4

## Cultural Resources

The Department of Defense (DoD) is a national leader in cultural resource management. DoD lands are home to 73 National Historic Landmarks, over 600 entries in the National Register of Historic Places, and over 160,000 identified archaeological sites. It is DoD policy to:

- Promote mission-supporting re-use of historic properties
- Manage and maintain cultural resources in a sustainable manor
- Consult in good faith with internal and external stakeholders and promote partnerships

## Cultural Resources at a Glance

### Program Accomplishments:

- Increased percent of installations with complete Integrated Cultural Resource Management Plans (ICRMPs) from **69 to 81 percent** during fiscal year (FY) 2009
- Used **91 percent** of historic buildings to support mission needs during FY2009
- Reflected **84 percent** of archaeological site information in a geographic information system (GIS) during FY2009

## Applicable Requirements

The following regulatory requirements provide the framework necessary to manage cultural resources:

- **The National Historic Preservation Act (NHPA) of 1966** as amended requires Federal agencies to take into account the effects of their actions on properties that are listed in or eligible for listing in the National Register of Historic Places.
- **Archaeological Resources Protection Act** regulates archeological excavations/protection on federal lands, including collections, surveys, interpretation, confidentiality, and criminal penalties.
- **Executive Order (E.O.) 13287 "Preserve America"** requires federal agencies to provide leadership in preserving America's heritage by actively advancing the protection, enhancement, and contemporary use of the historic properties owned by the federal government.
- **E.O. 13327 "Federal Real Property Asset Management"** requires federal agencies to maintain complete historic status data on buildings and structures 50 years and older in their real property inventories.
- **36 Code of Federal Regulations (CFR) Part 79** outlines the procedures and guidelines for the curation of federally-owned archaeological collections.
- **DoD Instruction (DoDI) 4715.16 "Cultural Resources Management"** directs installations to manage cultural resources as assets and consult with stakeholders. It provides a new set of metrics with full DoD Component reporting required for FY2009.

## Management Practices

As one of the largest land owners in the United States, DoD, in cooperation with other federal agencies, is taking a proactive approach to cultural resource management. DoD's Cultural Resources Program uses cutting-edge conservation management techniques, relying on the best technology available.

## Integrated Cultural Resource Management Plans

DoD Components are required to complete Integrated Cultural Resource Management Plans (ICRMPs) to comply with legislative mandates and DoD policies. An ICRMP is a five-year planning document used to implement an installation's Cultural Resources Program. DoD Components incorporate cultural resources data with mission-related training and testing activities to identify potential conflicts. DoD Components annually track ICRMP status to see if their Cultural Resources Program is meeting established targets and goals. Successfully implemented ICRMPs can reduce land use restrictions by incorporating the protection of cultural resources into long-range installation planning. DoD implements ICRMPs in partnership with State Historic Preservation Officers, Tribal Historic Preservation Officers, and other appropriate parties.

## Archaeological and Historic Building Inventories

DoD also requires installations to complete archaeological and historic building inventories. Historic property information is held in data repositories, such as the DoD Real Property Inventory and the Federal Real Property Asset Database.

In FY2009, the Advisory Council on Historic Preservation issued Program Comments, pursuant to 36 CFR 800, regarding DoD's historic Capehart-Wherry Housing, Unaccompanied Personnel Housing, and Ammo Storage Facilities. Following the Program Comment guidelines will reduce timeframes for NHPA §106 compliance.

## Information Systems

Increasingly, DoD uses information systems to collect, store, manage, and analyze data associated with cultural resources:

- **The Spatial Data Standards for Facilities, Infrastructure, and Environment (SDSFIE)** is the single DoD standard that supports common implementation for installations, environment,

and civil works missions. SDSFIE encompass DoD's business mission areas of Real Property Management, Environment, Natural and Cultural Resources, Base Operations and Services, and Occupational Health and Safety.

- **The Military Cultural Resources Analysis Database (mCRAD)** data model has been proposed as a new cultural resource standard for SDSFIE. It is a Web-based tool that supports the storage and retrieval of cultural resources data for DoD. The mCRAD model is designed to facilitate installation environmental project review and cultural resources consultations. Through mCRAD, cultural resource managers can cross-reference proposed installation projects with the database to determine if a cultural resource investigation is required.

### Legacy Resource Management Program

Chapter 3 introduces the Legacy Resource Management Program and provides natural resources examples. In addition, the following are examples of cultural resources projects:

- **How to Adaptively Reuse DoD Buildings: Lessons Learned from BRAC Installations** collected information from Base Realignment and Closure (BRAC) installations on how military buildings have been reused once they leave the DoD inventory. This project will provide guidance to military master planners on how to adaptively reuse building types such as warehouses, hangars, classrooms, and administration buildings. Adaptive reuse of buildings is a key component to making an installation more sustainable.
- **Case Studies for Preserving DoD Historic Buildings and Achieving Leadership in Energy and Environmental Design (LEED) Certification** assessed whether preservation, sustainability, and energy conservation goals can be incorporated into DoD renovation projects to achieve LEED certification.

### Outreach

DoD supports a number of cultural resources management workshops, conferences, and training events. Most notably, in August 2009, the Sustaining Military Readiness Conference brought together DoD personnel and stakeholders in natural and cultural resources management, readiness, sustainability, and compatible land use. The conference participants exchanged lessons learned, shared the results of sustainability programs and projects, and attended a broad spectrum of informative training workshops. As a major theme for many of these workshops, cultural

resource management topics included NHPA compliance, reuse of DoD historic properties, and effective geographic information system (GIS) mapping.

### Evaluation Criteria

DoD Components continue to use ICRMPs as the primary tool to manage cultural resources, develop programmatic approaches, and measure success in compliance with cultural resources laws. DoD policy requires installations to review and update their ICRMPs annually.

DoDI 4715.16 establishes new metrics to assess the performance of DoD Components' Cultural Resources Management programs for FY2009 and beyond.

These metrics cover the following topics:

- Historic Properties
- Curation
- Archaeological Survey
- GIS mapping
- ICRMPs
- Public Outreach

## Performance Summary

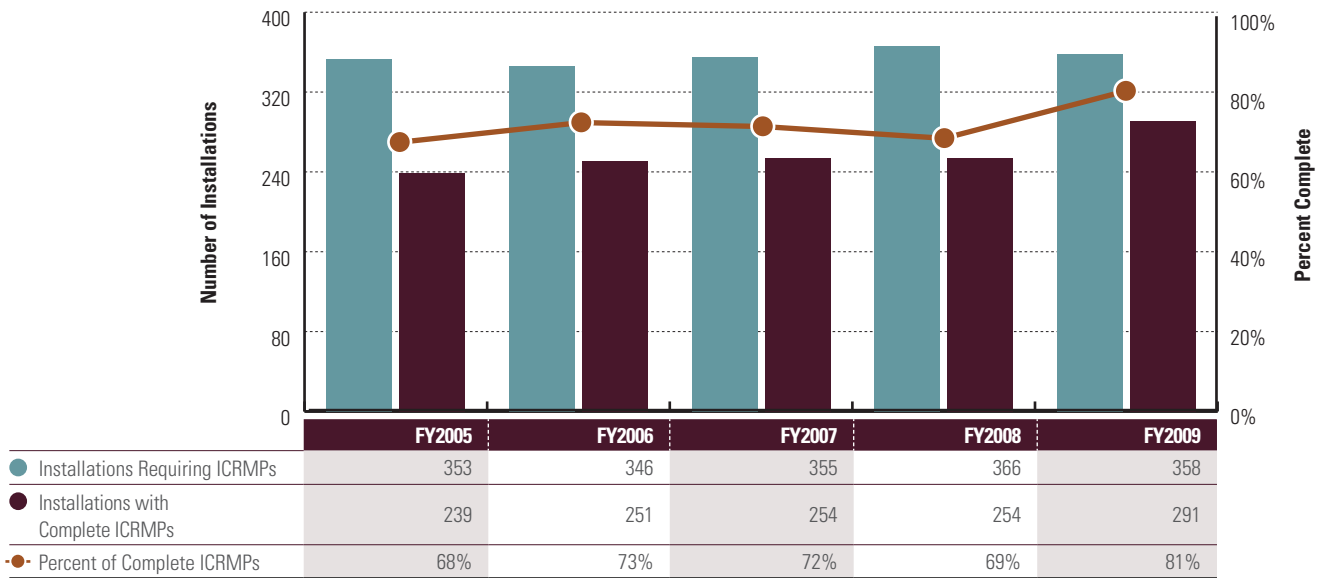
A total of 358 DoD installations required ICRMPs in FY2009. Of those installations, 81 percent had complete ICRMPs, up from 69 percent in FY2008 (Figure 4-1).

At this time, the metrics in DoDI 4715.16, with the exception of ICRMPs, are too new to provide trend analysis. Figures 4-2 and 4-3 show the FY2009 data; however, DoD anticipates that a minimum of three years

of data collection will be necessary to begin to accurately identify trends, forecast future performance, and recommend related courses of action.

Appendix B, Section 4 contains Cultural Resources Program data by DoD Component.

**Figure 4-1** DoD Cultural Resources: ICRMP Progress



**Figure 4-2** Historic Property data reported by DoD's Real Property Asset Database as of September 30, 2009

Cultural Resources Metrics for FY2009	Buildings	Structures	Linear Structures	Total
<b>Historic Properties</b>				
Number of historic properties*	19,242	2,332	79	<b>21,653</b>
Percent of historic properties* that have a high facility physical quality code (Q1 or Q2)	40% (7,699)	58% (1,359)	37% (29)	<b>42% (9,087)</b>
Percent of historic properties* with Mission Critical (MC) or Mission Dependent, Not Critical (MDNC) codes.	90% (17,317)	97% (2,273)	96% (76)	<b>91% (19,666)</b>
Percent of historic properties† greater than or equal to 50 years old that are evaluated (i.e., Non-NEV)	69% (65,634)	36% (12,524)	19% (2,697)	<b>56% (80,855)</b>
Number of historic properties* demolished in previous fiscal year (FY2008)	11	1	0	<b>12</b>
Percent of historic properties* with Utilization Category Codes that have a code of "Utilized" or "Over-Utilized"‡	79% (3,065)	N/A	N/A	<b>79% (3,065)</b>

\* With Historical Status Data Element Codes NHLC, NHLI, NREC, NREI, NRLC, or NRLI

† With Historical Status Data Element Codes NHLC, NHLI, NREC, NREI, NRLC, NRLI, ELPA, DNE, DNR, NCE, or NEV

‡ Includes offices, warehouses, laboratories, hospitals, and housing per the Federal Real Property Council's 2009 Guidance for Real Property Inventory Reporting

**Figure 4-3** DoD Cultural Resources Metrics per DoDI 4715.16

<b>Cultural Resources Metrics</b>	<b>FY2009</b>
<b>Curation</b>	
Compliant curation of archaeological collections and associated records (cubic feet)*	Not Compliant
A) Volume of collections requiring curation	55,543
B) Volume of collections curated to 36 CFR Part 79	31,547
C) Volume of collections acquired during the previous FY	1,956
Compliant curation of archaeological collections and associated records (linear feet)*	Not Compliant
A) Volume of collections requiring curation	12,189
B) Volume of collections curated to 36 CFR Part 79	9,291
C) Volume of collections acquired during the previous FY	221
<b>Archaeological Survey</b>	
Percent of DoD-managed lands surveyed for archaeological sites (acres)	34%
<b>GIS Mapping</b>	
Archaeological site information reflected in a GIS	84%
Percent of installations with Historic Real Property Asset Information reflected in a GIS	57%
<b>ICRMPs</b>	
Percent of installations with complete ICRMPs	81%
Percent of total ICRMPs that were developed in consultation	70%
<b>Public Outreach</b>	
Percent of installations with cultural resources that have public Web sites, tour programs, or welcome packages	45%

\* Compliant with DoDI 4715.16 if: volume of collections not curated in current FY (A-B) is less than or equal to the volume of collections acquired in previous FY (C).  
Not compliant if: (A-B) > C.