



## CULTURAL RESOURCE Project Goals FY 2011-2006

### FY2011 Projects:

#### **Assessing the Quality of In-field Archaeological Artifact Analyses (11-157)**

Test the accuracy and adequacy of in-field analysis; look at what classes of artifacts can be recorded adequately in the field, which classes need laboratory analysis, and which artifact classes are likely to be re-visited by future researchers in the laboratory; provide DoD with good answers from which decisions about field recording and future curation can be made.

#### **Update of DoD Sustainability Application Guide for Historic Properties (11-333)**

Analyze new mandates; investigate new green technologies and economic return; assist installation personnel in determining the appropriate sustainable rehabilitation and re-use of existing facilities.

#### **Cultural Resource Emergency Response Guidebook (11-336)**

Improve DoD cultural resource response capability during natural and/or man-made disasters and emergency situations; assist CRMs with pre-disaster planning, disaster resource assessment, and post disaster recovery; provide DoD commanders and CRMs with an understanding of the Incident Command System and its vocabulary to improve communication between emergency responders and the CRM.

#### **NAGRPA-Applicable Collections Summary & Historic Contexts Bibliography (11-156)**

Two internship projects: 1) review Antiquities Act permits, ARPA permits, and related journals and sources to improve accountability and knowledge of NAGPRA-applicable and military lands-related collections; 2) perform an assessment of completed DoD Legacy Program historic contexts.

#### **Heritage Forward: The Combatant Command Historical/Cultural Action Group (11-155)**

Support for the Combatant Command Historical/ Cultural Action Group in its efforts to provide heritage awareness, education and expertise to deploying personnel.

#### **DoD -wide Inventory of Rock Art Sites and Assessment of Management Practices (11-480)**

Inventory rock art sites (pictographs, petroglyphs and geoglyphs) on DoD lands within the 50 States; assess current management practices and issues; make recommendations and provide guidelines for the management and treatment of these types of sites for use in facility ICRMPs.

#### **Historic Context for Evaluating Mid-Century Modern Military Buildings (11-448)**

Develop a model context to evaluate military buildings constructed from 1950 to 1970 for architectural significance under National Register Criterion C, as examples of mid-century architecture.

#### **Virtual Artifact Curation: Three-Dimensional Digital Data Collection for Artifact Analysis and Interpretation (11-334)**

Develop procedures for scanning artifacts and compiling inventory data; and evaluate the effectiveness and usefulness of available software for curation, analysis, and interpretation of artifacts in three-dimensional digital collections (3DDC).

#### **CRM's Guide to the Engineer's Energy Toolkit (11-360)**

Provide CRMs with an understanding of engineer's tools and vocabulary to better communicate about historic buildings on base and during SHPO consultation.



**FY2011 continued:**

**Regional Sustainable Landscape Management Plans for DoD Historic Landscapes (11-946)**  
Develop cultural landscape management plans and sustainable planting designs for DoD historic districts.

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**Institutionalizing Protocols for Wide-Area Inventory of Archaeological Sites by the Analysis of Aerial and Satellite Imagery (11-158)**

Develop planning-level site distribution models and an improved type of predictive model through the use of developed protocols and software for the detection of archaeological sites through the analysis of aerial and satellite multispectral, hyperspectral, synthetic aperture radar, and other remote sensing imagery.

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**Design Guidelines for Implementing Energy Efficiency Strategies in Historic Properties (11-382)**

Provide renovation solutions to increase energy efficiency while discussing the effects on the historic character of the building.

**FY 2010 Projects:**

**Operation Earth Guard: Energy Census Teams at Cold War DoD Facilities (10-116)**

Create technical, multidisciplinary energy census teams to comprehensively document, 3D model, and thermally analyze the existing architecturally distinct building envelopes, heating systems, cooling systems, and electrical components of three standardized Cold War era DoD buildings.

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**From Conflict to Refuge: Recognizing American Indian Sites in the Western U.S. between 1800 and 1942 (10-115)**

Produce a model and archaeological protocols for discriminating historical American Indian sites (ca. 1800-1942) from prehistoric American Indian sites and historic Anglo sites in the western U.S.

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**Military Architecture: An Architectural Stylebook (10-129)**

Produce a guide to American architecture and identifying American architecture for military buildings that were constructed on DoD facilities between 1799 to 1989.

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**2010 DoD Historic Building Conference/Workshop (10-387) \*\*postponed until 2012\*\***

Develop and host a historic buildings and structures conference for Department of Defense cultural resource managers and other personnel who work with historic properties.

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**DoD Heritage Partnerships Lessons Learned (10-324)**

Describe and analyze projects and initiatives where academic and multi-agency partnerships with the US military resulted in cultural competence, heritage stewardship, and positive lessons learned.

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**Prioritizing Site Treatment Actions (10-122)**

Develop and prioritize archaeological site treatment actions designed to respond to cumulative impacts to National Register eligible or unevaluated archaeological sites identified by site condition monitoring programs.


**FY2010 continued:**
**Integrating Military Training and Archaeological Site Integrity: A Field Analysis Approach (10-435)**

Conduct preliminary measurements of vehicle impacts on archaeological deposits under actual field conditions to aid in assessing the amount of training activity that can be sustained by significant archaeological sites without the loss of integrity or information content.

**A Case Study for Assessing Cultural Resources on US Military Installations Through the Eyes of the Servicemen (10-347)**

Develop an approach for interpreting a person's significant contribution to U.S. military history and apply that context to evaluating the built environment under Criterion B of the National Register for Historic Places evaluation process... how/when the thresholds for Criterion B are induced, a checklist for Criterion B, and management/mitigation strategies for Criterion B resources.

**Cultural Resources Public Outreach and Interpretation Source Book (10-127)**

Prepare a sourcebook of effective cultural resources interpretation and public outreach projects; provide DoD personnel with information for creative Section 106 mitigation.

**Using Indicator Species for Identification of Prehistoric Archeological Sensitivity and Potential Site Integrity (10-416)**

Develop and test indices of soil composition and plant indicator species identified by remote sensing for location and integrity of Native American archaeological sites on DoD installations in eastern woodland environments.

**FY 2009 Projects:**
**Case Studies for Preserving DoD Historic Buildings and Achieving LEED Certification for Renovation Projects (09-451)**

Determine the feasibility of renovating two Department of Defense (DoD) historic buildings to achieve LEED certification and preserve the historic integrity of the buildings.

**Historic Context of Rural Industry Sites in the Sand Hills region of Georgia, South Carolina, and North Carolina (09-436)**

Create a historic context for rural industry sites of the Sand Hills region.

**How to Adaptively Reuse DoD Buildings: Lessons Learned from BRAC Installations (09-449)**

Show how military buildings have been adaptively reused once they leave the DoD inventory.

**ACHP Website Enhancement with Content Management System (09-446)**

Update the ACHP web site ([www.achp.gov](http://www.achp.gov)) with information, guidance, and case studies.



**FY2009 continued:**

**In Theater Heritage Training for Deploying Personnel (09-324)**

Develop tools, information, training, and practices that will position DoD to be compliant with NHPA Section 402 and the Hague Convention for Protection of Cultural Property During Times of Armed Conflict.

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**Program Alternative - Standard Treatments (09-430)**

Develop standard treatments for repair and maintenance of military specific building materials and systems.

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**DoD Cultural Resources Data Management Needs Assessment (09-443)**

Provide recommendations for bringing DoD Cultural Resources data into compliance with the Spatial Data Standards for Facilities Infrastructure and Environment and DoD cultural resources business data standards.

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**Historical and Biographical Catalog and Inventory of Architectural and Engineering Firms (09-434)**

Create historical and biographical catalog and inventory of Cold War architectural and engineering firms.

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**Historic Building Efficiency Guidance (09-452)**

Conduct a comparative analysis of DoD and non-DoD historic properties that have been rehabilitated to sustainable design standards.

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**Regional Cold War History for US Military Installations in Guam and the Northern Marianas (09-454)**

Develop a regional Cold War historic context for US military installations, including Air Force, Navy, and Army, in Guam and the Northern Marianas Islands.

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**Historical and Architectural Overview of Aircraft Hangars of the Reserves and National Guard Installations from WWI through the Cold War (09-431)**

Develop a historical and architectural overview of military aircraft hangars of the Reserves and National Guard Installations from World War I through the Cold War era.

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**Workshop on Integrating Predictive Models into the CRM Process (09-457)**

Conduct a pilot workshop for cultural resource and GIS managers on developing and using GIS-based archaeological predictive models.

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**Managing Cultural Resources: Compiling and Storing the Data (09-351)**

Provide important time, effort, and cost metrics to DoD leadership so they can begin planning for DoD-wide data collection and sharing and assist the Legacy Program with its product library.



**FY2009 continued:**

**Integrating Military Training and Archaeological Site Integrity: A Data Analysis Approach (09-435)**

Identify methods to measure impacts of military training on archaeological resources with the goal of sustaining these activities while complying with cultural resource stewardship responsibilities.

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**Maintaining Elements that are Efficient by Design (or What's Already "Green" About Our Historic Buildings?) (09-456)**

Use representative DoD building types to identify aspects of their construction that are "green" or energy efficient.

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**Development of DoD Guidance for Archaeological Site Monitoring and Condition Assessments (09-442)**

Develop a series of best management practices for monitoring the condition of archaeological sites and identifying current and potential threats to site condition/integrity.

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**DoD Consultation Responsibilities to Native Hawaiian Organizations (09-293)**

Develop a DoD NHO consultation protocol.

**FY 2008 Projects:**

**Training Course - Interpreting ATRP standards for Cultural Resource Managers (08-358)**

Follow-on development of training module associated with the Guidance Manual for Application of Anti-Terrorism and Force Protection Measures.

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**DoD Cultural Resources Business Data Standards (08-369)**

Develop recommended data standards for cultural resources business data, building on previous efforts to establish minimum cultural resources spatial data standards.

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**In Theater Heritage Planning and Training for DoD Personnel (08-324)**

Educate military personnel about archaeological sites and sacred landscapes in preparation for deployment for DoD global operations.

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**Support for 2008 National Preservation Conference (08-181)**

Prepare educational sessions that identify, describe, and promote cultural resource management issues and practices on military lands.

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**2008 DoD Historic Building Conference/Workshop (08-387)**

Develop and host a historic buildings and structures conference for Department of Defense (DoD) cultural resource managers (CRMs).



**FY2008 continued:**

**DoD Installation Recreational Facilities Historic Context (08-388)**

Provide a DoD-wide context and history of military recreation facilities.

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**Spatial Data Modeling - Cultural Resources (08-409)**

Develop a Cultural Resources geospatial data model component to the DoD Spatial Data Standards for Facilities, Infrastructure, and Environment, building on past efforts to establish cultural resources data requirements.

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**A Predictive Model of Seventeenth Century Sites in the Chesapeake Bay (08-407)**

Develop a statistical model; synthesis the current understanding of settlement patterns to locate high probability areas for sites from this time period.

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**Saving Places 2008: Historic Preservation Conference (08-384)**

Support for the Saving Places conference allows DOD a partnership opportunity with a nationally recognized non-profit preservation organization.

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**Best Practices Tool for Tribal Interests and Natural/Traditional Resources (08-406)**

Regional study across arid lands of western US will develop a best practices tool addressing natural resources of importance to Tribes with attention to resources missed by conventional inventories of cultural resources and natural resources.

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**Using Indicator Species for Identification of Prehistoric Archeological Sensitivity and Potential Site Integrity (08-416)**

Develop test indices of indicator species for location and integrity of Native American archeological sites on DoD installations in eastern woodland environments.

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**FY 2007 Projects:**

**Nationwide Historic Context Study: The Role of the National Guard in the Civil Rights Movement (07-366)**

Develop a historic context examining the role of the National Guard in the Civil Rights Movement specifically from the 1950s to the 1960s.

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**Design Guidelines for DoD Historic Buildings and Historic Districts (07-382)**

Design guidelines for DoD historic buildings and districts will provide well-illustrated, user-friendly guidance for the treatment of individual building materials and elements.

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**After the Smoke Clears: A Cross-Cultural Approach to Assessing the Effect of Range Fires on Traditional Cultural Properties (07-370)**

Develop an approach for assessing damage to American Indian sacred sites and traditional cultural properties impacted by range fires.



**FY2007 continued:**

**Guidance Manual for application of Anti-Terrorism and Force Protection measures (07-358)**

Develop a manual to determine what ATFP measures are needed for individual buildings.

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**Cultural Resources Best Management Practices (07-365)**

Develop pro-active methods for improving timely response to project development while minimizing mitigation needs.

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**Saving Places 2007 Historic Preservation Conference (07-335)**

Support the Saving Places conference allows DOD a partnership opportunity with the leading national historic preservation entity.

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**Support for 2007 National Trust for Historic Preservation Conference (07-181)**

Prepare educational sessions that identify, describe, and promote cultural resource management issues and practices on military lands.

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**Grasping the Nettle: Analytical Tools for Characterizing, Visualizing and Evaluating Archaeological Data Quality (07-353)**

Create a set of tools for military installations that can be used to indicate the quality of existing archaeological data.

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**Training for In-Theater Cultural Resources Protection (07-324)**

Construction of in-theater training assets on home installations, development of portable informational materials and development of briefings.

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**Best Practices for Rescue and Retention of Cultural Resource Documents (07-352)**

Identify conflicts between historic property documents and records management statutes DoD-wide; develop best practices to address these shortfalls to prevent the loss of historic property documents.

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**National Historic Landmarks- Data Reconciliation and Comparative Analysis (07-375)**

Improve accountability and access to Department of Defense NHL information.

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**The Study and Management of the Gunboat Spitfire (07-384)**

Continue Lake Champlain Maritime Museum management of and research on the Revolutionary War Gunboat Spitfire.

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**Constructing a Regional Historical Context for Terminal Pleistocene/Early Holocene Archaeology of the North-Central Mojave Desert (07-349)**

Construct a regional historical context for terminal Pleistocene/early Holocene archaeology of the north-central Mojave Desert.


**FY2007 continued:**
**Guidance for CRM Information Clearinghouse (07-351)**

Develop a data structure for cultural resources management information, implements the structure on DENIX, drafts guidance for uploading cultural resource data to DENIX and provides marketing/outreach tools to educate CRMs throughout DoD.

**Nationwide Context and Inventory of a Building Type, the Test Cell or Hush House, on DoD Installations (07-342)**

Develop a national context for a building type, the test cell or hush houses, on current DoD installations nationwide; evaluate a representative sample of extant hush houses on installations.

**It's a Cold World: The Air National Guard's Role in Defending America, 1946-1989 (07-340)**

Create a historic context of the Air National Guard during the Cold War era, 1946-89.

**Managing Cold War Resources: Identifying and Compiling the Data (07-285)**

Identify the types of Cold War-era data available on installations and determining the best methods for, and costs associated with, collecting and making them available for use DoD-wide.

**DoD Cultural Resources Data Management Needs Assessment (07-369)**

Assess DoD cultural resources data collection and management processes and provide recommendations for establishing a DoD cultural resources data standard.

**Nationwide Context, Inventory, and Heritage Assessment of Works Progress Administration and Civilian Conservation Corps Resources on DoD Installations (07-357)**

Develop a national context for Works Progress Administration (WPA) and Civilian Conservation Corps (CCC) projects on military installations.

**Unspoken Messages- The Documentation and Recording of Basque Aspen Arboglyphs (07-359)**

Develop a national context for Basque arboglyphs on military installations.

**FY 2006 Projects:**
**A Historic and Native Context Study of the Role of Alaska's Military Complex during the Cold War Part 2 (06-261)**

Document the people, places, and events associated with the Alaska Army National Guard (AK ARNG) during the Cold War to preserve the historical significance of the AK ARNG.



**FY2006 continued:**

**Nationwide Historic Context Study of United States Army Reserve Centers (06-295)**

Conduct first-ever historic context study of United States Army Reserve centers to determine if the approximately 1200 extant Army Reserve centers are historic.

**DoD Cultural Resource Management Workshop (06-294)**

Explore how best to balance DoD's cultural resource stewardship responsibilities with support of the military's testing and training mission.

**A Historic Context and Database for the Military-Industrial Complex in the State of Texas (06-231)**

Develop a historic context and database for military/ national defense historic resources in the state of Texas to facilitate a consistent approach to evaluating historic resources and reduce the costs of future inventory and evaluation efforts.

**Artifact Collection Data Integration - MCRAD Phase II (06-318)**

Prepare a test case for integrating archaeological artifact collection data into USAF developed cultural resources data system MCRAD.

**DoD Installation Support Facility Historic Context (06-296)**

Provide a DoD-wide context and history of necessary installation support facilities to provide guidance for determining their eligibility for the NRHP. These facilities are typically hospitals, exchanges, commissaries, post offices, service clubs, theaters, chapels, physical fitness centers and libraries.

**Procurement Guidelines for Reusing Historic Building Materials (06-316)**

Provide a foundation for providing qualified program managers, technical and procurements staffs in DoD with a set guidelines for whole-building recycling, and reuse of historic materials; provide information that will assist in DoD installations planning, programming, budgeting, and execution process; the new preservation procurement guidelines will be designed to be a complement to existing Federal Acquisition Regulations (FAR) and other DoD documents by providing installations with discretionary best practice that would be tailored to historic materials.

**Support for 2006 National Trust for Historic Preservation Conference (06-181)**

Sponsorship of the National Preservation Conference provides positive visibility for the Department of Defense among the nationwide historic preservation constituency. The conference is an opportunity to inform this constituency and fellow stakeholders of the issues and initiatives dealt with and undertaken by DoD and the military services with regard to stewardship of historic properties and partnership opportunities.

**Archaeological Collections Management Procedures (06-319)**

Build upon past Legacy Program curation product efforts and integrate into a comprehensive plan by identifying gaps in current standards and developing consistent procedures for the proper care or archaeological collections.


**FY2006 continued:**
**Desk Guide to Initiating Consultation Between DoD and Tribes in the South and Eastern United States (06-315)**

Develop a tool for the installations to determine which tribes to consult with by establishing standardized contact and organizational information about the military installations and the federally-recognized tribes from south and eastern United States. This will include the structure of the military and tribal organizations, the appropriate contacts for varying departments, rotation schedules or term limits for government leaders, respective territorial boundaries or lands and existing formalized agreements.

**Best Management Practices for Hardening Nineteenth Century Foundations and Villages for Training Purposes (06-303)**

Provide for best management practices for the hardening of archaeological sites; the hardening process can be used to return important archaeological property back for training use.

**Handbook for Contracting Cultural Resource Compliance Projects for DoD Installations (06-314)**

Prepare a detailed and annotated handbook for cultural resource managers to serve as a reference and aid in preparing and executing cultural resources compliance studies on DoD installations.

**Section 106 Standard Treatments as Program Alternatives (06-313)**

Develop standard treatments for repair and maintenance of military specific building materials and systems. The process involves consultation with the ACHP and additional stakeholders, as defined in 36, CFR 800.14. The lead agency will also initiate the process to adopt any developed standard treatments as Unified Facilities Criteria (UFC).

**Training for In Theatre Cultural Resource Protection (06-324)**

Develop slides for training support packages and laminated pocket cards that are designed to convey the same information; construct mock cultural resources sites as an addition to current deployment training assets on Fort Drum like the live fire convoy route; partner with the Classics and Near Eastern Studies Departments of Dartmouth College, the US Army Engineer School Directorate of Environmental Integration, and Colorado State University Center for Environmental Management of Military Lands for research and design of the proposed products.

**Nationwide Assessment of Adaptively Reused Industrial Buildings in the DoD (06-332)**

Evaluate DoD's historic former industrial buildings that have been adaptively re-used in recent years; provide examples of successful adaptations at various naval installations throughout the country.

**Cultural Resource Protection and Valuation Methodology (06-311)**

Develop a tool that will determine the point at which a cultural resource requires restoration in order to retain its value and stay in compliance with cultural resource management laws.

**Integrating Predictive Models into the CRM Process (06-167)**

Use predictive models to provide a redesign of DoD CRM programs to better support military missions of installations facing new challenges to CRM compliance.