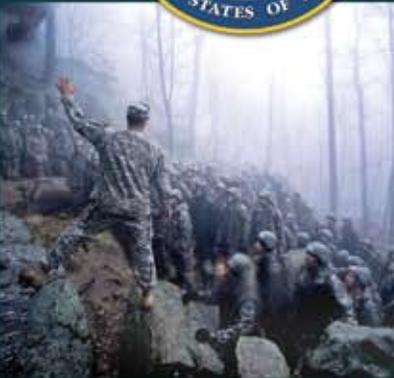




# THE 2010 SECRETARY OF DEFENSE Environmental Awards





In 1962, the Department of Defense began an annual ceremony to honor Military Service men and women at the forefront of our environmental practice. Today, we come together for the 48<sup>th</sup> ceremony recognizing outstanding accomplishments in the Department's environmental program. The 2010 winners of the Secretary of Defense Environmental Awards have successfully implemented creative solutions to help the Department reach—or surpass—resource efficiency and sustainability goals, and to preserve our Nation's cultural heritage.

Our awards recognize accomplishments in preserving natural and cultural resources, improving environmental performance, and improving the performance of our weapons systems while reducing their environmental impact. Our awards have long recognized those who have built strong partnerships with our neighboring communities by cleaning up our past contamination. This year we add an award that recognizes installation-wide efforts to promote environmental practices that will sustain our environmental and operational strength well into the future.

The men and women we honor today have proven that our nation can meet complex environmental challenges of today without compromising our national security. Our winners are simultaneously building a future in which the Department of Defense continues to build our environmental resilience and sustain our future mission. It is my privilege to present the 2010 winners of the Secretary of Defense Environmental Awards, and to express my gratitude for their exemplary service.

A handwritten signature in cursive script that reads "Ashton B. Carter".

**Ashton B. Carter**

Under Secretary of Defense for Acquisition, Technology & Logistics

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# About the Awards

## *Natural Resources Conservation*

The Department promotes the conservation of fish and wildlife, preservation of forests and other resources, and protection of endangered plant and animal species on our installations and other lands we hold in the public trust. Investments made in our natural resources preserve these valuable environmental assets for all current and future generations.

## *Cultural Resources Management*

An essential part of our mission is to protect our nation's heritage and cultural assets, such as historic sites and districts, archaeological sites, records, historic properties, and sacred sites. Through cultural resources management programs, the Department identifies areas likely to contain historical assets and works to protect these resources in partnership with Native American Tribes and historic preservation authorities.

## *Environmental Quality*

The Department seeks to protect air and water quality, prevent and eliminate pollution, and implement environmental management systems that promote sound environmental practices while continuously improving performance. Meeting or exceeding all environmental requirements not only enhances the protection of our environmental assets, but also sustains our ability to effectively train and maintain readiness.

## *Sustainability*

The Department seeks to extend the longevity of its operations by preventing or eliminating pollution at the source through practices that increase efficiency and sustainability in the use of raw materials, energy, waste, or other resources. Sustainable practices ensure the Department protects the valuable resources that are critical to mission success.

## *Environmental Restoration*

The Defense Environmental Restoration Program restores property that has been impacted by historic defense practices. The Department works to restore more than 30,000 sites at active and closing military installations, as well as formerly used defense sites across the Nation and U.S. territories. Restoring these properties protects military personnel and the public from potential environmental health and safety hazards.

## *Environmental Excellence in Weapons Systems Acquisition*

The Department makes a concerted effort to incorporate environmental, safety, and occupational health requirements into the weapons systems acquisition program's decision-making process. Adhering to these principles enhances the Department's acquisition process by ensuring that weapons systems keep the safety of personnel and the environment as a top priority.



Fort Custer Training Center (FCTC) implements a natural resources conservation program that addresses habitat restoration, reforestation, prescribed fire, wildlife management, regional ecosystem enhancement, and Michigan Army National Guard training requirements. The Environmental Office at FCTC coordinates with all other military directorates on post to ensure that natural resources program goals align with construction, development, and training activities. FCTC's Integrated Natural Resources Management Plan (INRMP) provides overarching guidance for environmental management on the installation, as well as specific goals and objectives. FCTC's INRMP was completed and approved in 2001, and revised and approved in 2009.

FCTC's accomplishments:

- ▶ Completed planning-level survey, in collaboration with the Michigan Natural Features Inventory, which identified 14 new species and documented that 80 percent of Michigan flora and fauna are present at the installation.
- ▶ Managed 3,700 acres of land using prescribed fire. Staff taught fire training and basic firefighter courses to state agencies, non-governmental organizations, and other National Guard units.
- ▶ Restored and enhanced FCTC's Prairie Fen communities using prescribed fire. Prairie Fens are globally vulnerable communities that provide habitat for rare species, including the federally listed Mitchell's Satyr butterfly. FCTC is being considered for a captive rearing program to reintroduce this butterfly.
- ▶ Continued serving as one of three stopover and nesting sites for migratory birds in a regional migration flyway. Staff managed ongoing migratory bird-monitoring program—called Mapping Avian Productivity Survivorship—to collect predation, nest success, and point count data.
- ▶ Implemented an integrated pest management system to control purple loosestrife on the installation, in partnership with Kalamazoo nature center. FCTC engaged the local high school to propagate beetles that predate on loosestrife, which the installation then released into a 30-acre area for biological control. FCTC successfully controlled the loosestrife in this area and was able to decrease chemical pesticide use.



FCTC natural resources staff maintain a high quality Soldier training environment through excellent natural resources management programs.



FCTC's ITAM revegetation program consists of collecting native plant seeds from installation flora to maintain vegetation genotypes native to the region.



The Camp Guernsey Joint Training Center is the Wyoming Army National Guard's primary training site and the center of their cultural resources management (CRM) program. With multiple units from all branches of the Military Services concurrently reliant on Camp Guernsey for training, stewardship of cultural resources is critical to mission readiness. The installation's CRM program addresses the challenge of balancing Camp Guernsey's cultural wealth with mission goals. Over the past two years, Camp Guernsey completed a Department of Defense Legacy Resource Management Program project that improved the preservation of Oregon Trail historic sites, and implemented a Native American ethnographic study and traditional cultural properties survey.

Camp Guernsey's accomplishments:

- ▶ Saved more than \$70,000 by having a qualified staff expert complete the Integrated CRM Plan.
- ▶ Completed a \$44,400 DoD Legacy-funded project to study the effects of wildfire on Native American traditional cultural sites.
- ▶ Saved \$25,000 by cooperating with the Wyoming State Historic Preservation Office to digitize reports and site forms, rather than using a contractor.
- ▶ Completed a database and map of nearly 1,000 cultural resource sites at Camp Guernsey, in coordination with GIS specialists. The installation saved 270 job hours by eliminating the time-consuming task of plotting military activity requests on numerous inventory maps, and cross-referencing them with individual survey reports.
- ▶ Hosted interagency firefighting training events in 2008 and 2009, with more than 300 attendees from agencies across the state and region at each event. Staff presented training briefs to bring awareness of cultural resource preservation issues to state foresters, fire incident commanders, and others.
- ▶ Identified the descendants of late 19<sup>th</sup>- and early 20<sup>th</sup>-century homesteaders who settled the lands, collected oral histories, and documented the history of dry-land farming in the region. Staff shared project information through a website and educational signs.



Camp Guernsey's landscape is ideal for training, due to its similarities to Afghanistan.



Native American consultation is a key component of Camp Guernsey's CRM program.



The mission of Marine Corps Base (MCB) Hawaii is to provide facilities and services that support combat readiness and promote the well-being, morale, and safety of over 25,000 Marines, sailors, civilian employees, and family members working or living on base. MCB Hawaii manages installations on 4,500 acres on Oahu, including Camp Smith, Kaneohe Bay, Marine Corps Training Area Bellows (MCTAB), Manana Family Housing Area, Pearl City Warehouse Annex, and Pu'uloa Range Complex. The installation is making progress toward achieving the goals specified in Executive Order 13514, "Federal Leadership in Environmental, Energy, and Economic Performance." With effective program management, stakeholder involvement, and innovative ideas, MCB Hawaii continues stewardship of the naturally and culturally rich lands under its control, while providing responsive support to our nation's defense.

MCB Hawaii's accomplishments:

- ▶ Developed and executed \$13.4 million worth of environmental design and construction projects. The projects improved aging or inadequate facilities, in support of military readiness.
- ▶ Reduced operating costs and minimized hazardous waste through Hazardous Materials Program. With 100 percent participation from base and tenant commands, the installation saved \$2.55 million by diverting over 60,000 pounds of hazardous materials from disposal, redistributing excess at no cost to units, and reducing the effort (50,000 hours) expended by personnel managing hazardous materials.
- ▶ Used cleaning systems and non-toxic solvent for weapons to reduce cleaning time by 50 percent. Over 3,000 weapons are cleaned each week, equating to an annual savings of \$4 million and 360,000 Marine hours redirected toward mission-essential duties.
- ▶ Used Ground Penetrating Radar at MCTAB to accurately and quickly plot buried cultural deposits, allowing ground disturbing training exercises and large scale training maneuvers to continue with fewer interruptions while protecting cultural resources.

- ▶ Received the Secretary of the Navy Gold Level of Achievement Award for outstanding energy and water management, and the Department of Energy Federal Energy Management Program Award for implementing the base's first Building Integrated Photovoltaic roofing project.
- ▶ Processed and sold over 450,000 pounds of brass and over 1,000 tons of recyclables through the Recycling Center, earning over \$1 million in revenues. The Recycling Center also served as a one-stop drop-off for munitions debris, reducing the time spent on disposal, increasing warfighters' ability to train, and ensuring safety and compliance.



*MCB Hawaii saved over 195 million gallons of potable water and \$585,000 through its Water Reclamation Facility. Reclaimed water irrigates the golf course.*



*New non-toxic solvent reduces weapons cleaning time and saves significant Marine hours.*

Fleet Readiness Center Southwest (FRCSW) is an industrial facility providing aviation maintenance, repair, and overhaul support to the United States and allied warfighters. In 2008, FRCSW provided 277 aircraft to the fleet, including 122 F/A-18, 46 H-60, 46 H-1, 15 E-2/C-2, 27 EA-6B, and 10 AV-8B aircraft. To support this effort, FRCSW operates a multitude of industrial processes, including electroplating, painting, chemical cleaning and stripping, and jet engine testing. These processes require hazardous materials and generate hazardous wastes and emissions. FRCSW factors financial, environmental, and stakeholder benefits into sustainability objectives and the decision-making process. This holistic approach enhances relationships with regulatory agencies and the public, while ensuring that critical industrial processes and operations are maintained in support of military readiness. The use of an ISO 14001 Environmental Management System and an AS9100/AS9110 Quality Management System are key best practices, which provide the methodology for all improvement activities. FRCSW was a member of the elite U.S. Environmental Protection Agency's Performance Track program in both 2008 and 2009.

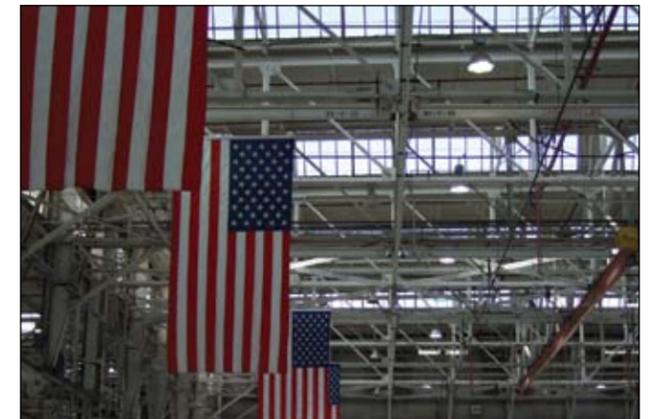
FRCSW's accomplishments:

- ▶ Awarded \$7.7 million Utility Energy Services Contract—which includes efficient lighting retrofits; heating, ventilating, and air conditioning system upgrades; and implementation of renewable energy technology—to address Executive Order 13423 requirements.
- ▶ Completed Greenhouse Gas Inventory to ensure the transparency of operations.
- ▶ Completed constructing mini-max low water steam assist rinse system and low-volume water hose retrofits for aircraft washing, reducing industrial waste water by 70,000 gallons and avoiding \$85,000 in costs per year.
- ▶ Installed pilot system for Dolphin non-chemical treatment for cooling tower water, eliminating 1.7 million gallons of wastewater and avoiding \$20,000 in costs per year.
- ▶ Augmented two battery-powered electric carts with photovoltaic recharging systems, reducing electric power demand by 75 kilowatt-hours.

- ▶ Converted a paint removal blast bay system from plastic media to bio-media (corn starch), reducing 20,000 pounds of hazardous waste and avoiding \$500,000 in costs per year.



*The F/A-18 Hornet is one of many aircraft maintained by FRCSW.*



*The FRCSW hangar, circa 1940s, in building 94 is a candidate for modern daylighting technology.*



The Hill Air Force Base (AFB) Environmental Management Division believes environmental restoration must make efficient use of resources; implement the best, most environmentally responsible technology available; and support the Air Force mission by returning contaminated lands to useable condition. Hill AFB uses performance-based contracts to emphasize results over procedures, allowing contractors the flexibility to achieve project goals at reduced cost and shorten overall cleanup periods. The installation pioneered the development of performance monitoring and operation plans, a tool that: provides effective site management; integrates performance goals, expectations, and sustainability; and promotes cost-effective system operations. Through its Restoration Advisory Board and numerous other community involvement initiatives, Hill AFB maintains an outstanding relationship with local communities.

Hill AFB's accomplishments:

- ▶ Developed performance monitoring and operation standards for measuring treatment system success, resulting in an annual cost savings of over \$250,000.
- ▶ Reduced risk to military families by removing nearly 63,000 cubic feet of soil contaminated with polychlorinated biphenyl (PCB). The soil was in a base housing area, and removed within 22 months of initial discovery.
- ▶ Restored a 165-acre parcel of land with large amounts of asbestos-containing materials to mission-ready status. Hill AFB used an onsite landfill and saved the Air Force nearly \$1 million.
- ▶ Submitted or presented 10 professional papers and presentations regarding Hill AFB's innovative research.
- ▶ Crushed demilitarized practice bombs for use as a cheap source of iron in Permeable Reactive Barriers. These barriers in turn treat groundwater contaminated with trichloroethylene (TCE).
- ▶ Collaborated with national experts on vapor intrusion to develop new analytical methods for identifying vapor sources. Hill AFB deployed high-tech nested monitoring wells, saving time and money by allowing the monitoring of groundwater at several depths with a single borehole.

- ▶ Managed a comprehensive community involvement program and Restoration Advisory Board. The program encompasses over 2,500 residences in seven communities, and is part of a broader program to encourage public participation and facilitate personal, two-way communication.



*This hammer mill is designed to crush cast-iron dummy bombs into a medium suitable for use in Permeable Reactive Barriers.*



*Hill AFB took over 800 samples to characterize a PCB-contaminated site. Technical and public involvement teams worked together to clean up this residential area in 22 months.*



Mr. Stephen M. Seiber leads the Eglin Air Force Base 96<sup>th</sup> Civil Engineer Group (96CEG) Natural Resources Management section, more famously known as Jackson Guard. Much of the group's successes can be directly attributed to the leadership of Mr. Seiber, a University of Tennessee alum with 37 years of natural resources management experience. Mr. Seiber provides proactive environmental planning and analyzes proposed actions on the installation. He ensures that the military can accomplish its mission without significant adverse impacts to the environment or to the mission. Mr. Seiber's innovative concepts, stakeholder involvement, and program achievements have become the model for other Department of Defense installations and land management agencies throughout the United States. Mr. Seiber's accomplishments in 2008 and 2009 have conserved a thriving habitat for Eglin AFB's native species, striking a careful balance between the tranquility of old-growth longleaf pine forests and sugar-white sand beaches—and the development, testing, and deployment of lethal air power.



*Mr. Seiber provides sustained management and protection of Eglin AFB's natural resources, including proactive environmental planning and analysis of proposed actions on the installation.*

Mr. Seiber's accomplishments:

- ▶ Exceeded USFWS recovery goals for the endangered Okaloosa Darter and red-cockaded woodpecker, reducing the number of USFWS consultations related to the military mission by 30 percent.
- ▶ Led aggressive fire management program, implementing prescribed fire for 112,600 acres. Prescribed fire was critical for record increases of red-cockaded woodpecker.
- ▶ Developed a database of avoidance information for endangered species, nearly eliminating the need for consultations with the U.S. Fish and Wildlife Service (USFWS).
- ▶ Ordered removal of 14,000 tons of forest debris to achieve Base Realignment and Closure (BRAC) requirements. This kept construction on target for 2011 BRAC completion goal, while saving the Air Force \$1.5 million in additional contract costs.
- ▶ Led implementation of six USFWS-approved herbicides, instead of previous one-size-fits-all method. This capability—to deliver site-specific treatment—will achieve \$2 million in savings over the next 10 years.



*Due to Eglin AFB's thriving longleaf pine ecosystem, the endangered red-cockaded woodpecker is exceeding U.S. Fish and Wildlife Service recovery goals.*

Mr. Awni M. Almasri developed and implemented aggressive recycling and in-country hazardous waste disposal programs for Southwest Asia Area of Operations. Previously, due to the lack of proper disposal facilities in the Arabian Gulf Region, all hazardous waste was shipped to Europe and Canada. Mr. Almasri successfully reduced hazardous waste being shipped from Naval Support Activity (NSA) Bahrain—the area’s most important installation—by 50 percent. The achievements of NSA Bahrain’s environmental program are especially remarkable considering the environmental and mission challenges facing the Navy: NSA Bahrain supports the Global War on Terrorism and Piracy from a potentially hostile region of the Middle East. Under the leadership of Mr. Almasri, the NSA Bahrain environmental program continues its unwavering support by adapting to Fleet and tenant commands’ needs, ever improving to provide effective, efficient, and cost-wise support to the Fleet, Fighter, and Family.



Mr. Almasri briefing the U.S. Navy, U.S. Coast Guard, U.S. Embassy and Host Nation participants of the Oil and Hazardous Substance (OHS) spill response equipment deployment exercise conducted at the Port of Fujairah, United Arab Emirates.

Mr. Almasri’s accomplishments:

- ▶ Implemented the NSA Bahrain Environmental Management System (EMS), which guides successful improvement and management of the environmental program. EMS awareness training is essential for incoming personnel.
- ▶ Reduced hazardous waste being shipped from NSA Bahrain by 50 percent, saving over \$2 million per year.
- ▶ Implemented effective pollution prevention techniques, decreasing the quantity of hazardous waste being disposed by over 1,000 tons, and reducing disposal cost by over \$2.5 million over the past two years.
- ▶ Provided training to local government officials—including security, environmental, safety, and military personnel—on numerous environmental topics.
- ▶ Led Earth Day celebrations, with participation from Military Service members, Department of Defense personnel, and the host nation. Participants removed over 175 tons of trash.
- ▶ Helped NSA Bahrain receive letter of appreciation from Djibouti Minister of Environment and win honorable mention in 2008 from White House “Closing the Circle” for pollution prevention.



Mr. Almasri talking to children during NSA Bahrain earth week.

As Program Manager for the Patrick Air Force Base Environmental Restoration Program, Ms. Regina Dixon Butler plays a pivotal role in the program’s success. The 45<sup>th</sup> Space Wing spans over 22,000 acres at Patrick Air Force Base (AFB) and Cape Canaveral Air Force Station. Historical space program activities resulted in significant environmental contamination, affecting 163 sites and over 3,000 acres. Ms. Butler’s robust and innovative restoration program, however, has already returned 74 percent of sites for unrestricted mission re-use. Ms. Butler is involved in every aspect of the program, from start to finish, and is acknowledged as an expert by government and industry peers. Some of her responsibilities include: all planning, programming, and budgeting activities; establishing and tracking regulatory milestones; organizing the Restoration Advisory Board (RAB) and public relations functions; preparing environmental liability data; and promoting sustainable (or “green”) remediation.



Ms. Butler (front row, 3rd from left) and the Restoration Team. A core member since 1999, Ms. Butler has applied communication and attention to detail to help ensure no regulatory milestones have been missed in over 10 years.

Ms. Butler’s accomplishments:

- ▶ Pioneered management tools to track program data, facilitating stakeholder communication and building confidence. Cooperatively worked with more than 15 regulatory and government agencies.
- ▶ Coordinated the RAB’s quarterly meetings, published newsletter for over 285 stakeholders, and organized 4 tours.
- ▶ Participated in three Air Force workgroups, providing key input for the Restoration “Playbook” and two Air Force data management initiatives. Also briefed cleanup successes to national audiences at five conferences.
- ▶ Managed entire restoration budget (\$28.5 million), and identified a green alternative that saved \$3.5 million and accelerated cleanup by one to two years.
- ▶ Developed and implemented contracting strategy to create or sustain 45 local jobs; executed 81 percent of budget with local, small/disadvantaged businesses; and executed 77 percent of budget under efficient, performance-based contracts.
- ▶ Oversaw injection of 107,000 gallons of vegetable oil for groundwater treatment and led implementation of a passive treatment basin technology that saves energy, protects a fragile estuary, and saves \$1.8 million over conventional technologies.



Patrick AFB constructed hydrologic treatment basins to treat contaminated groundwater in a sustainable and innovative way.



## Honorable Mentions

The Aeronautical System Center (ASC) Environmental and Occupational Health Team (ENVV) is dedicated to reducing environmental, safety, and occupational health (ESOH) risks at the Air Force's weapons systems manufacturing plants. ASC/ENVV works with over 128 weapon system program offices. The team excels in developing alternatives for weapons systems that prevent pollution, while enhancing production operations and the performance of weapons systems. The team ensures weapons systems comply with federal, state, and local ESOH laws throughout the acquisition lifecycle; and it also helps reduce the future ESOH compliance burden. Novel innovations, cost efficient programs, and environmentally friendly initiatives contribute to the success of ASC/ENVV.

ASC/ENVV's accomplishments:

- ▶ Reformulated deicing fluid to solve material incompatibility with aircraft brake pads, saving \$800,000 per aircraft for over 100 aircraft in the Air Force inventory.
- ▶ Replaced cadmium plated fasteners with titanium, thus eliminating hazardous wipe solvent and saving \$10 million in lifecycle costs.
- ▶ Pushed sputtered aluminum into internal surfaces of C-17 landing gear, saving \$2.5 million in lifecycle costs.
- ▶ Pursued hydraulic fluid purification for the F-15 fleet, which will save \$20 million per year in stabilizer repairs.
- ▶ Implemented pollution prevention solution at Air Force Plant 6, reducing volatile organic compounds by more than 50 percent.
- ▶ Educated over 1,000 personnel on ESOH basics and risk management; writing Programmatic Environmental, Safety, and Occupational Health Evaluations; statutory National Environmental Policy Act requirements; and integrating ESOH into the acquisition strategy and system engineering process.



*The ASC/ENVV reformulated aircraft deicing fluid to address compatibility issues with aircraft brake pads. The new deicing fluid is more environmentally friendly and saved the Air Force over \$800,000.*



*Hydraulic fluid purification for the F-15 fleet will save the Air Force \$20 million annually.*

### *Natural Resources Conservation, Small Installation*

Hickam Air Force Base, Hawaii  
Naval Air Station Pensacola, Florida

### *Cultural Resources Management, Installation*

Barry M. Goldwater Range East, Luke Air Force Base, Arizona  
Marine Corps Base Camp Lejeune, North Carolina

### *Environmental Quality, Non-industrial Installation*

Fort Stewart and Hunter Army Airfield, Georgia  
Seymour Johnson Air Force Base, North Carolina  
Naval Base San Diego, California

### *Sustainability, Industrial Installation*

Letterkenny Army Depot, Pennsylvania  
Marine Corps Air Station Cherry Point, North Carolina  
Defense Supply Center Columbus, Ohio

### *Environmental Restoration, Installation*

Camp Withycombe, Oregon Army National Guard  
Marine Corps Base Camp Lejeune, North Carolina  
Naval Air Facility El Centro, California  
Defense Supply Center Richmond, Virginia

### *Natural Resources Conservation, Individual/Team*

Natural Resources Team, Fort Bragg, North Carolina

Mr. John Luce, Marine Corps Air Station Beaufort, South Carolina

Mr. John R. Burger, Pacific Missile Range Facility, Hawaii

### *Environmental Quality, Individual/Team*

Mr. Robert J. Chartier, U.S. Army Garrison, Daegu, Korea

Dyess Air Force Base Environmental Quality Team, Texas

Marine Air Ground Task Force Training Command, Marine Corps Air Ground Combat Center, Natural Resources and Environmental Affairs Division, Twentynine Palms, California

### *Environmental Restoration, Individual/Team*

Tanaga and Ogluga Islands Formerly Used Defense Site, U.S. Army Corps of Engineers, Alaska

Ms. Tracy Sahagun and Ms. Theresa Morely, Marine Corps Base Camp Pendleton, California

Project Management Team, Vieques Naval Installation, Puerto Rico

### *Environmental Excellence in Weapons Systems Acquisition*

U.S. Army Aviation and Missile Command G-4 Environmental Team

F/A-18E/F & EA-18G Program Office, PMA265, Green Hornet Team, Naval Air Station Patuxent River, Maryland

# Judges

Volunteers from private industries, state and federal agencies, non-governmental organizations, and military retirees served as judges for the 2010 Secretary of Defense Environmental Awards.

**Mr. Alex Beehler**  
Senior Advisor, B&D Consulting

**Ms. Hillary Berlin**  
Environmental Biologist, Federal Energy  
Regulatory Commission

**Dr. Robin Burgess**  
Preservation Officer, Division of Cultural, Paleontological  
Resources, and Tribal Consultation, Bureau of  
Land Management

**Mr. Ben Carmichael**  
Marshall Scholar, Oriel College

**Mr. Richard Cook**  
Deputy Director, U.S. Forest Service

**Dr. Amy Daniels**  
Climate Change Specialist, U.S. Forest Service

**Mr. Jim Darr**  
Environmental Protection Agency

**Mr. Tom Edwards**  
Vice President, State and Federal Government Relations,  
Verizon

**Mr. Mark Godfrey**  
Director of Photography, The Nature Conservancy

**Ms. Cari Goetcheus**  
Department of Planning and Landscape Architecture,  
Clemson University

**Col. (ret) Lewis Gorman**  
Military Liaison, U.S. Fish and Wildlife Service

**Mr. Philip Hoffman**  
Program Coordinator/Strategic Planner, National Oceanic  
and Atmospheric Administration

**Ms. Sherry Hutt**  
Director, National NAGPRA Program, National Park Service

**Mr. Rick Johnstone**  
President, Integrated Vegetation Management

**Dr. Fran Kremer**  
Senior Science Advisor, U.S. Environmental Protection Agency

**Mr. Larry McBride**  
Foley and Lardner LLP

**Dr. Wayne Miller,**  
University of California, Riverside

**Mr. Tom Moran**  
U.S. Department of Veterans Affairs

**Mr. Jim Owendoff**  
Senior Advisor, Office of Environmental Management, U.S.  
Department of Energy

**Mr. Michael Penders**  
President, Environmental Security International

**Mr. Tim Peters**  
Vice President, Global Security Systems, Boeing

**Mr. Russell Randle**  
Patton Boggs LLP

**Ms. Patricia Samford**  
Director, Maryland Archaeological Conservation Lab

**Ms. Kathleen Schamel**  
Federal Preservation Officer, U. S. Department of  
Veterans Affairs

**Ms. Nancy Schamu**  
Executive Director, National Conference of State Historic  
Preservation Officers

**Mr. Lenny Siegel**  
Executive Director, Center for Public Environmental Oversight

**Mr. Andrew Stevenson**  
Director of Research and Policy, The Clark Group-  
Climate Advisors

**Mr. Justin Sullivan**  
President, Impact Construction and Consulting, LLC

**Mr. Mervyn Tano**  
President, The International Institute For Indigenous  
Resource Management

**Dr. Bea Van Horne**  
Ecosystems Program Coordinator, U.S. Geological Survey

**Mr. Gary Vest**  
Chairman and President, Transnational Strategic  
Solutions, Inc.

**Dr. John Wiens**  
Chief Conservation Science Officer, PRBO  
Conservation Science

**Ms. Barbara Wyatt**  
Historian, National Historic Landmarks Program/National  
Register of Historic Places

**Dr. James Zeidler**  
Senior Research Scientist, Colorado State University

# Past Winners

## *Cultural Resources Management*

- 2009 Vandenberg Air Force Base, California
- 2009 Fort Drum Cultural Resources Team, Fort Drum, New York
- 2008 Redstone Arsenal, Alabama
- 2007 Mr. Gary M. O'Donnell, Hickam Air Force Base, Hawaii
- 2007 Fort Drum, New York
- 2006 Naval Air Weapons Station China Lake, California
- 2005 Marine Corps Recruit Depot Parris Island, South Carolina and 15th Airlift Wing, Hickam Air Force Base, Hawaii (tie)
- 2004 Marine Air Ground Task Force Training Command, Twentynine Palms, California
- 2003 Texas Army National Guard Cultural Resources Management Office, Texas
- 2002 Commander Navy Region Mid-Atlantic, Hampton Roads, Virginia
- 2001 U.S. Army Air Defense Artillery Center and Fort Bliss, Texas
- 2000 Fort Riley, Kansas
- 1999 Vandenberg Air Force Base, California
- 1998 Fort Hood, Texas
- 1996 Fort Carson and Pinon Canyon Maneuver Site, Colorado

## *Environmental Quality*

- 2009 Environmental Management Division, Hill Air Force Base, Utah
- 2009 United States Army Garrison Bamberg, Germany
- 2008 Naval Air Engineering Station Lakehurst, New Jersey
- 2008 Hill Air Force Base, Utah
- 2007 Tinker Air Force Base, Oklahoma
- 2007 Marine Corps Base Camp Smedley D. Butler, Japan
- 2006 Team Dyess, Dyess Air Force Base, Texas
- 2006 Fort Campbell, Kentucky
- 2005 Naval Air Depot Cherry Point, North Carolina
- 2005 Misawa Air Base, Japan
- 2004 U.S. Naval Support Activity Bahrain

- 2003 Tinker Air Force Base, Oklahoma
- 2003 Marine Corps Base Camp Smedley D. Butler, Okinawa, Japan
- 2002 Air Armament Center, Eglin Air Force Base, Florida
- 2001 Pearl Harbor Naval Shipyard and Intermediate Maintenance Facility, Hawaii
- 2001 Marine Corps Base Camp Butler, Okinawa, Japan
- 2000 Patrick Air Force Base, Florida
- 2000 Marine Corps Base Hawaii
- 1999 Indian Head Division, Naval Surface Warfare Center, Maryland
- 1999 Luke Air Force Base, Arizona
- 1998 Naval Aviation Depot North Island, California
- 1998 Fort Sill, Oklahoma
- 1997 Naval Surface Warfare Center, Indian Head, Maryland
- 1997 Luke Air Force Base, Arizona
- 1996 Eglin Air Force Base, Florida
- 1996 USAF Hurlburt Field, Florida
- 1995 Robins Air Force Base, Georgia
- 1994 Fort Campbell, Kentucky
- 1993 Hill Air Force Base, Utah
- 1992 Naval Air Station Patuxent River, Maryland
- 1991 Tinker Air Force Base, Oklahoma
- 1990 McChord Air Force Base, Washington
- 1989 Tooele Army Depot, Utah
- 1989 Vandenberg Air Force Base, California
- 1987 Pine Bluff Arsenal, Arkansas
- 1986 Fort Lewis, Washington
- 1985 Marine Corps Air Station Kaneohe Bay, Hawaii
- 1984 Luke Air Force Base, Arizona
- 1983 Fort McClellan, Alabama
- 1982 Hill Air Force Base, Utah
- 1981 Marine Corps Base Camp Lejeune, North Carolina
- 1980 McClellan Air Force Base, California
- 1979 Fort Sill, Oklahoma
- 1978 Marine Corps Base Camp Pendleton, California
- 1977 Marine Corps Air Station Kaneohe Bay, Hawaii

## *Environmental Quality (Continued)*

- 1976 Naval Air Training Center Patuxent River, Maryland
- 1975 Eglin Air Force Base, Florida
- 1974 Fort Sill, Oklahoma

## *Environmental Restoration*

- 2009 Defense Depot, Memphis Tennessee
- 2008 Seymour Johnson Air Force Base, North Carolina
- 2008 Marine Corps Air Station Cherry Point Partnering Team, North Carolina
- 2007 Dover Air Force Base, Delaware
- 2006 Fort Lewis, Washington
- 2006 Pyramid Lake Torpedo and Bombing Range Remediation Project U.S. Army Corps of Engineers, Sacramento District
- 2005 Naval Facilities Engineering Command Pacific, Hawaii, and Keesler Air Force Base, Mississippi (tie)
- 2004 Tinker Air Force Base,
- 2003 Hill Air Force Base, Utah
- 2002 F.E. Warren Air Force Base, Wyoming
- 2001 Offutt Air Force Base, Nebraska
- 2000 Elmendorf Air Force Base, Alaska
- 1999 Naval Air Engineering Station Lakehurst, New Jersey
- 1998 Riverbank Army Ammunition Plant, California
- 1997 Naval Air Station North Island, San Diego, California
- 1996 Naval Air Station Cecil Field, Florida
- 1995 Naval Air Station Whidbey Island, Washington

## *Natural Resources Conservation*

- 2009 Camp Ripley Maneuver and Training Center, Minnesota
- 2008 Naval Weapons Station, Seal Beach, California
- 2008 Fort Indiantown Gap Training Center, Pennsylvania Army National Guard
- 2007 Arnold Air Force Base, Tennessee
- 2006 Minnesota Army National Guard Natural Resources Conservation Team, Camp Ripley

- 2006 Marine Corps Base Hawaii
- 2005 Fort Drum, New York
- 2004 Columbus Air Force Base, Mississippi
- 2003 U.S. Army Intelligence Center and Fort Huachuca, Arizona
- 2002 U.S. Army Transportation Center, Fort Eustis & Fort Story, Virginia
- 2001 Naval Weapons Station Charleston, South Carolina
- 2000 U.S. Army Training Center & Fort Jackson, South Carolina
- 2000 Hawaii Army National Guard
- 1999 Camp Ripley, Army National Guard, Minnesota
- 1999 U.S. Army Garrison, Fort Belvoir, Virginia
- 1998 Fort Stewart/Hunter Army Airfield, Georgia
- 1998 Naval Submarine Base Kings Bay, Georgia
- 1997 Marine Corps Base Camp Pendleton, California
- 1997 Naval Surface Warfare Center, Indian Head, Maryland
- 1996 Tyndall Air Force Base, Florida
- 1996 Marine Corps Base Hawaii
- 1995 Naval Air Warfare Center, Patuxent River, Maryland
- 1994 Eglin Air Force Base, Florida
- 1993 Twin Cities Army Ammunition Plant, Minnesota
- 1992 Marine Corps Base Camp Lejeune, North Carolina
- 1991 Fort Belvoir, Virginia
- 1990 Fort Sill, Oklahoma
- 1989 F.E. Warren Air Force Base, Wyoming
- 1988 Goldwater Air Force Range, Arizona
- 1987 New Boston Air Force Station, New York
- 1986 Beale Air Force Base, California
- 1985 Robins Air Force Base, Georgia
- 1984 Fort Huachuca, Arizona
- 1983 Indian Island Annex, Keyport, Naval Engineering Station, Washington
- 1982 Fort McCoy, Wisconsin
- 1981 Tobyhanna Army Depot, Pennsylvania
- 1980 Fort Huachuca, Arizona
- 1979 Naval Air Station Chase Field, Texas

## Past Winners (Continued)

### *Natural Resources Conservation (Continued)*

- 1978 Fort Sill, Oklahoma
- 1977 Griffiss Air Force Base, New York
- 1976 Marine Corps Base Camp Lejeune, North Carolina
- 1975 Barksdale Air Force Base, Louisiana
- 1974 Fort Campbell, Kentucky
- 1973 Marine Corps Base Camp Lejeune, North Carolina
- 1972 Marine Corps Base Camp Pendleton, California
- 1971 Tyndall Air Force Base, Florida
- 1970 Camp Pickett, Virginia
- 1969 Marine Corps Base Camp Lejeune, North Carolina
- 1968 Red River Army Depot, Texas
- 1967 Fort Rucker, Alabama
- 1966 Naval Weapons Station Yorktown, Virginia
- 1965 Tyndall Air Force Base, Florida
- 1964 Eglin Air Force Base, Florida
- 1963 Fort Knox, Kentucky

### *Pollution Prevention*

- 2009 Naval Air Station Whidbey Island, Washington
- 2009 14th Civil Engineer Squadron Pollution Prevention Team, Columbus Air Force Base, Mississippi
- 2008 Robins Air Force Base, Georgia
- 2007 Marine Corps Base, Hawaii
- 2007 Pollution Prevention Afloat Team Naval Sea Systems Command, Washington, D.C.
- 2006 Tinker Air Force Base, Oklahoma
- 2005 Commander, Navy Region Mid-Atlantic, Norfolk, Virginia
- 2004 Robins Air Force Base, Georgia
- 2003 Naval Air Station, Whidbey Island, Washington
- 2002 Warner Robins Air Logistics Center, Robins Air Force Base, Georgia
- 2001 U.S. Army Transportation Center and Fort Eustis, Virginia
- 2000 Radford Army Ammunition Plant, Virginia
- 2000 HQ III Corps and Fort Hood, Texas
- 1999 Robins Air Force Base, Georgia

- 1999 Marine Corps Base Hawaii
- 1998 Robins Air Force Base, Georgia
- 1998 Fort Carson and Pinon Canyon Maneuver Site, Colorado
- 1997 Corpus Christi Army Depot, Texas
- 1997 Fort Lewis, Washington
- 1996 Robins Air Force Base, Georgia
- 1996 Dyess Air Force Base, Texas
- 1995 Kelly Air Force Base, Texas
- 1995 Naval Construction Battalion Center, Port Hueneme, California
- 1994 Tinker Air Force Base, Oklahoma
- 1993 Navy Aviation Depot, Florida

### *Environmental Excellence in Weapon System Acquisition*

- 2008 Fairchild Air Base, Washington
- 2006 C-17 Pollution Prevention Integrated Product Team, Wright-Patterson Air Force Base, Ohio

### *Special Recognition Environmental Management Systems Implementation*

- 2006 Defense Logistics Agency Environmental Management Systems Team



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