2018 Secretary of Defense Environmental Awards



Keaukaha Military Reservation lowland wet forest restoration continues after invasive species removal, as seen here. These efforts are critical to the success of the Hawaii Army National Guard's mission to allow endemic species to thrive, protect endangered species habitat, reduce maintenance costs, and sustain training lands.



Hawaii Army **National Guard**

Natural Resources Conservation, Small Installation



The Naval Base Ventura County Natural Resources Conservation Team supports the installation's mission as a major aviation shore command and Naval Construction Force mobilization base. Pictured here from left to right: Francesca Ferrara (Natural Resource Specialist), William Hoyer (Natural Resource Specialist), Martin Ruane (Ecologist), Joseph Montoya (Supervisory Physical Scientist), and Valerie Vartanian (Natural Resource Specialist).



Natural Resources Conservation Team, Naval Base Ventura County, California

Natural Resources Conservation, Individual/Team





Fort Hood employees haul away debris and scrap metal set props collected from the National Geographic miniseries, "The Long Road Home." Fort Hood recycled 15,100 pounds of scrap providing for \$189,000 of recycle proceeds reinvested back into the installation in fiscal years 2016 and 2017 to sponsor 32 Family and Soldier events.



Fort Hood, Texas

Environmental Quality, Non-Industrial Installation



Keaukaha Military Reservation, reducing mobility and crowding out native plant species. Hawaii Army National Guard personnel removed mature seeding long-thorn kiawe plants and then vigilantly removed seedlings without significant amounts of herbicide to restore the landscape and training access on the installation.



The first MQ-4C Triton Unmanned Aerial Vehicle assigned to Unmanned Patrol Squadron One Nine (VUP-19) Detachment Point Mugu, known as "Big Red," arrives at Naval Base Ventura County. The installation implemented a pilot study in fiscal years 2016 and 2017 to investigate the use of unmanned aircraft systems to collect aerial monitoring imagery of a Federally-endangered California least tern colony at Point Mugu.

Spc. Joseph Williams and Sgt. Jose Rentas from the Carl R. Darnall Army Medical Center discuss Fort Hood's mission readiness and environmental efforts with Junior Reserve Officer Training Corps cadets from John Horn High School in Mesquite, TX. Fort Hood engages with employees, stakeholders and external communities via social media, newsletters, the installation's newspaper, briefings, and community events.



Mr. Javier is a Physical Scientist who manages multiple environmental quality programs to protect a biologically diverse base that is home to many rare species. Mr. Javier's achievements include resurrecting the Qualified Recycling Program and significantly reducing waste fuel generation at Hurlburt Field.



Operations Civil **Engineer Squadron** Hurlburt Field, Florida

Environmental Quality,



The Marine Corps Logistics Base Barstow wind turbine generator has been running at 1.0 megawatt for many years. By installing a conditioning monitoring system, the base will be able to run an additional 325 kilowatts. The monitoring system will also aid in preventing very costly equipment failures.



Marine Corps Logistics Base Barstow, California Sustainability, Industrial

Installation



Vandenberg Air Force Base looking towards the Santa Barbara Channel from Tranquillon Peak. The installation protects and preserves more than 42 miles of coastline, 5,000 acres of wetlands, more than 1,600 prehistoric archaeological resources, 14 rock art sites, one National Historic Landmark, five Native American village sites, one National Historic Trail, 26 Cold War-era complexes, and 17 endangered or threatened species.



Vandenberg Air Force Base, California Environmental Restoration,

Installation





Individual/Tear



Mr. Javier reduced hazardous waste disposal costs by implementing military specification materials reuse. Materials with expired 'use-by' dates are now used in other processes that do not require the stringent specification quality standards. Here is Mr. Javier with Ms. Kimberly Davis, Project Management and Planning Operations Representative, Lockheed Martin.



Subsurface soil sampling beneath a munitions item that was located by an advanced geophysical classification technology. The technology allows users to rapidly identify sampling locations, expedite the remedial investigation, and lower costs. Accumulated savings from this technology are estimated to be \$100,000.



generates less dust so less water is required, therefore increasing resiliency.



Camp Ripley Commander, COL Scott St. Sauver, receives a blanket as a token of appreciation for working with tribes. Face-to-face Native American consultations are held annually between Camp Ripley and the 11 Federally recognized tribes of Minnesota, as well as with tribes that have a historical interest in properties now maintained by the Minnesota Army National Guard.



The Canyon Fire ravaged land near launch areas and burned 12,500 acres on Vandenberg Air Force Base in 2016. The Environmental Restoration Program used unexploded ordnance data and maps to ensure the safety of firefighters and quickly developed an emergent time-critical removal action for 4,300 acres.



The Combat Rescue Helicopter Program Environment, Safety and Occupationa Health Team. Pictured here from left to right: Sam Hunt, Jeff Miller, Arnold Godsey, Sandy Lambert, Gene McKinley, David Diaz, and Grady Davis.







Vieques Environmental Restoration Team, Puerto Rico

nvironmental Restoration, Individual/Team



Here, a diver measures the movement and burial of a munitions surrogate. Vieques staff studied the movement and burial of 61 munitions surrogates just offshore from public beaches. The Vieques team is working with the DoD Strategic Environmental Research and Development Program to assist in their efforts to develop a predictive model that will support underwater munitions cleanup efforts across DoD.





Camp Ripley, Minnesota Army National Guard

Cultural Resources Management, Large Installation



The Leech Lake Band Heritage Sites Program excavates a Phase II test unit. The Camp Ripley Cultural Resources Management Program contracted with the Leech Lake Band Heritage Sites Program to accomplish its aggressive inventory project for 20,000 acres with the benefit of integrating tribal monitoring into the entire inventory process.



Combat Rescue Helicopter Program ESOH Team, Wright Patterson Air Force Base, Ohio

Environmental Excellence in Weapon System Acquisition, Large Program



The Combat Rescue Helicopter Program Environment, Safety and Occupational Health Team replaced hazardous hexavalent chromium (Cr6+) primer on the interior and exterior of helicopters with non-chrome alternatives through targeted identification and risk mitigation processes. Replacements eliminate exposure risks for operators and maintenance personnel.

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