

RIP RAP

U.S. Army Corps of Engineers
Albuquerque District

USACE SPA, 4101 Jefferson Plaza, N.E., Albuquerque, NM 87109

Cochiti Ranger Mark Rosacker routinely explains his role in the Corps to visitors.

Photo by Michael Logue

Volume 22, Sub-issue 3
October 2010

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District Engineer,
Lt. Col. Jason Williams

RipRap is an unofficial publication authorized by AR 360-1. It is published by the Public Affairs Office, Albuquerque District, U.S. Army Corps of Engineers. The views and opinions expressed do not necessarily reflect those of the Department of Defense or the Department of the Army. Reader input is welcome. Photographs are official USACE photos unless otherwise indicated. For submission and writers' guidelines, contact the editor at 505-342-3171 or send email to: kristen.skopec@usace.army.mil

Deputy District Engineer for Program Management
Reflects on District's Mission and 2010 Successes

Rip Rap: Jorge, many of our readers might not understand how project management differs for Civil Works and Military Construction projects.

Colberg: The main difference is that for Civil Works the Corps owns the project from cradle to grave. That means, when a town or sponsor approaches the Corps because of a water resource problem, we conduct the studies and cost/benefit analyses to determine if the project is justifiable, before we can move forward on design and construction. For Military Construction, the cradle is smaller. The military customer approaches us after they have done the programming and determined the need, and then we step in and oversee the design and construction.

Rip Rap: What stands out about our Civil Works projects this year?

Colberg: I'm pleased at the progress the Corps made on helping to fix significant problems that affected many people across our area of responsibility. In particular, the ecosystem restoration work in the Rio Grande's Bosque, completing a vital acequia project in Santa Rosa and awarding a contract to do flood control work in Albuquerque's South Valley that entails constructing a 3,000 foot channel to drain water from the Los Padillas Drain to the Rio Grande. We were involved in projects that help people and directly strengthen our communities.

Rip Rap: What about Military Construction?

Colberg: We were asked to undertake a massive construction build-up at Cannon Air Force Base, which will involve rehabilitating many structures on the base, as well as constructing new aircraft hangers and dorms to

accommodate an influx of people who will be involved in their new Special Operations mission, and it looks like fiscal year 2011 will be even busier. Also, we stood up a new environmental project management section, and they are seeing great results. The Air Force came to us for help with the fuels cleanup effort at Kirtland, which is the Air Force's top environmental remediation project.

Rip Rap: What are other District achievements?

Colberg: Something terrific was when our Planning Branch received the Division's Planning Team of the Year Award for their work on the Bosque restoration. It was significant, because our District has the smallest Civil Works program in the region, and we don't have as many projects to enter for consideration. I also want to point out our Real Estate Division played a critical role in many of the District's Civil Works projects this year.

Rip Rap: Jorge, what does our future hold?

Colberg: We are going to be more and more involved in helping with the Customs and Border Protection mission for the Department of Homeland Security. Additionally, we will be helping the National Nuclear Security Administration with the execution of their Chemistry, Metallurgy, Research and Replacement facility at Los Alamos, and we hope the U.S. Department of Energy will be one of our significant customers in the future. Finally, we hope to continue our support to the Bureau of Indian Affairs.



Jorge Colberg

Corps Investigates Locomotive Yard for Hazards

By Michael Logue, SPA Public Affairs

Photo by Michael Logue



To be or not to be, that is the question facing Military Environmental Project Manager Trent Simpler as his team spent weeks in September assessing the old Albuquerque Locomotive Yard to help determine if it will be classified as a Brownfield by the Environmental Protection Agency (EPA).

The EPA requested the Corps conduct a Targeted Brownfield Phase II Assessment to determine if potential hazards left behind by the 110-year-old railroad locomotive maintenance and repair facility would trigger the designation “Brownfield.”

The request was generated following the 27-acre locomotive yard’s purchase by the City of Albuquerque in November 2007.

The yard and its significant historic structures, located in the Barelás neighborhood and between the railroad tracks and 2nd Street, reflect an important part of Albuquerque’s economic and industrial past and a hope for its economic future.

Following the Corps’ 180-day assessment, EPA will work with the City to determine if remediation will be needed before the site can be used for public development.

For Simpler, this is a typical “blue glove” tasker in a week of hazardous assess-

Michelle Wilson (r) with Innovar Environmental, shares a sample with (l to r) Jennifer Hussey, Geologist for RMC Consultants, Trent Simpler, SPA Civil Engineer, and Steve Wagner, SPA Chemist. The samples were extracted by Zach Bonnell and Rob Helton with JR Drilling.

ments, site investigations and remedial projects for a Federal key customer. He has other projects across the state involving Formerly Used Defense Sites, Military Munitions Response and environmental assistance to area Air Force bases.

For the assessment, the technical and drilling team punched 18 holes, taking soil samples at various depths using a two-inch-tube, direct-push system, going down to groundwater 28 to 32 feet below ground surface.

“These are shallow water zones,” Simpler emphasized. “The City of Albuquerque gets its drinking water from an aquifer hundreds of feet below the surface.”

The fresh soil samples must be rushed to a waiting Denver lab within 48 hours at a temperature of slightly higher than freezing.

Meanwhile, the City of Albuquerque’s master plan for the site is on hold until it receives its independent, third-party analysis from the Corps’ Military and IIS team and can chart the way ahead with confidence and EPA support.

Two District Employees Graduate From South Pacific Division's Regional Leadership Development Class

Brig. Gen. Rock Donahue presided over the Class of 2010 Regional Leadership Development Program (RLDP) graduation at the Division Headquarters on September 17, 2010 in San Francisco, Calif.

Twelve people from across the region graduated the class, including Kelly Allen and Tamara Massong of the Albuquerque District.

The general spoke to the graduates about how the Army's definition of leadership is characterized by influencing, operating and improving and told them when you think leadership, remember it's all about *influencing* people through purpose, motivation and direction; *operating* to accomplish the mission; and finally it's *improving* the organization, whether you have a staff of two or 200.

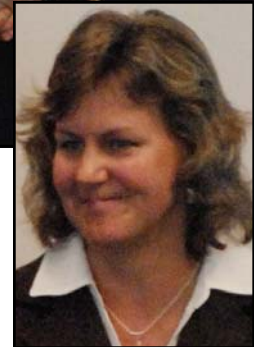
"South Pacific Division was among the first in the Corps to develop a regional program to develop leaders," the general said. "It's our top priority, because the return on investment for both our organization and the individual is enduring."

SPD launched the RLDP Program in 2000 pioneering USACE efforts to groom future leaders with a broad perspective on USACE and the region.



Photos courtesy of SPD Public Affairs

Top: Jorge Colberg, Lt. Col. Jason Williams and Brig. Gen. Donahue pose with graduate Kelly Allen of the Regulatory Division. **At right:** Also representing Albuquerque District was graduate Tamara Massong, Chief of Hydraulics and Hydrology.



RLDP is also open to partner federal agencies and project sponsors, and alumni include graduates from EPA, Bureau of Reclamation, the Port of Los Angeles, the Santa Clara Valley Water District, and the Riverside County Flood and Water Conservation District.

"Our goal is to give you the skills, knowledge and attributes you need to become senior leaders in the Corps, the Army and Federal government," General Donahue said. "We are extremely proud of you."

Congratulations and best of luck to the twenty team members from across the region who were selected for the Regional Leadership Development Program (RLDP) Class of 2011. For Albuquerque District, the following individuals were chosen for this honor: Joshua Carpenter, CESPA-RD-SC and Michael Porter, CESPA-PM-LE.

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This activity supports our Operations Plan: Actions 10 and 12 (Promote the Common Regional Picture and execute the strategic communications plan and Develop and implement the Regional Human Capital Plan).

Corps' Regulatory Program 101—Knowing the Basics

By Elizabeth Lockyear, SPA Public Affairs

If you are planning work in or near an arroyo, river, stream, navigable water, reservoir or wetland, you might want to contact your nearest Corps of Engineers office to see if you need a permit.

Activities requiring a permit include shoreline and bank stabilization, boat ramps, roads, residential and commercial developments, utilities, flood control facilities, mining, oil, gas and water wells, and in some cases, dredging and other excavation.

Even in the desert?

While much of the District is desert with little water, there are two waters considered navigable under relevant law – the Rio Grande from the District boundary in Val Verde County near the City of Del Rio, Texas, upstream to the point of intersection of the Texas-New Mexico state line and Mexico, and the Navajo Reservoir just upstream of the dam.

The District Regulatory Program's website also notes that regulated waters may include other parts of the surface water tributary system down to the smallest of streams (e.g., tributary that only contains water after a rain event), lakes, ponds, or other water bodies on those streams and adjacent wetlands (e.g. sloughs, swamps and some seasonally flooded areas). Isolated waters such as playa lakes, prairie potholes, old river scars, cutoff sloughs and abandoned construction and mining pits may also be waters of the United States, if they meet certain criteria.

Water is a valuable national resource and the Corps of Engineers is tasked to ensure that the physical, biological and chemical quality of our nation's waters are protected from unreg-

ulated and irresponsible discharges of material that could do irreparable damage.

This is where the Corps' Regulatory Program comes in. The District's program covers all of New Mexico, the southern part of Colorado and portions of 19 counties in far west Texas.



Reg. Division
Chief, Alan
Steinle

The permit

program dates back to 1886. Then, its main purpose was to avoid obstructions in navigable waters, which are defined as waters that are subject to the ebb and flow of the tide and/or are presently being used, have been used in the past, or may be used to transport interstate or foreign commerce.

The Corps' role broadened with the passage of the Rivers and Harbors Act of 1899 and the Clean Water Act in the 1970s.

What types of permits?

The Corps issues three types of permits: nationwide, regional and individual. The type needed depends on the kind of work proposed. The nationwide

permit is a form of general permit authorizing a category of activities throughout the nation. However, it is only valid if specific conditions are met. A regional permit is issued by a Corps district's District Engineer for a general category of fill activities when 1) the activities are similar in nature and cause minimal environmental impact and 2) the regional permit reduces duplication of regulatory control by state and federal agencies. The last permit type, the individual, may be issued if the project is not exempted from the Section 404 program and does not fall under one of the nationwide or regional general permits.

Potential Penalties:

- Removal of work and restoration of area.
- Administrative penalties of up to \$25,000 per day for each violation.
- Fine of up to \$50,000 per day for each violation.
- Up to three years in prison.

The important thing to remember is that if you are planning work in a river, stream or wetland, notify the Corps of Engineers before starting!

Scouts and Young Marines Volunteer at Cochiti Dam

By Ronnie Schelby, SPA Public Affairs

An energetic group of volunteers gathered with Corps rangers Sept. 25 to complete two different projects at Cochiti Dam for National Public Lands Day (NPLD).

Volunteers from Boy Scout Troop 53 from Santa Fe joined with the Young Marines from Rio Rancho and worked tirelessly all morning.

With shovels and rakes in hand, the children, ranging in age from 7 to 18, along with adults from each group, dug in and constructed a trail of crusher fines, a gravel-like material. This trail now leads to a pavilion that has been sitting abandoned since construction began on the new Cochiti campground.

According to park ranger Mark Rosacker, this pavilion will soon be revitalized for

interpretive talks to be given by Cochiti park rangers. Also, when the pavilion project nears completion, members from Cochiti Pueblo will be invited to come and bless the pavilion.

"This area is all Cochiti land, and we hope to have the Cochiti Tribe members come and share their stories with us," Rosacker said.

All volunteers were invited to a barbeque and received certificates from the park rangers.

In the afternoon, Corps rangers were also joined by the Boy Scouts, and this group gathered native grass seed that will be replanted in some of the areas in the new Cochiti Campground. The total number of volunteers participating at Cochiti Dam



Photo by Ronnie Schelby

Tenderfoot Rex Pyle from Boy Scout Troop 53 lends a hand for National Public Lands Day at Cochiti Dam.

for NPLD was 85, which almost doubled the amount from last year.

"A great big thank you goes out to all the volunteers who helped make NPLD 2010 a great success," Rosacker said.

National Public Lands Day Efforts Improve Corps' Sites

At Abiquiu Lake, the Corps partnered with the Espanola Wildlife Center to celebrate National Public Lands Day. The center personnel brought a 35 foot pole for rangers to mount a raptor nesting platform.

At John Martin Dam in Colorado, students from the student volunteer group True Blue from Las Animas High School worked on habitat improvement initiatives. The students worked on the south side of the reservoir, where endangered birds have traditionally come to nest.



Students removed invasive vegetation near John Martin Dam for NPLD.

Photo by
Karen
Downey

This activity supports our Operations Plan: Actions 4 and 7 (Execute the regional Civil Works Program and expand planning processes towards integrated and sustainable water resource projects; Execute the regional Military Program and capitalize on Interagency and international Services opportunities).

USACE Happenings

District's Small Business Program Leads the Charge

By Elizabeth Lockyear, SPA Public Affairs

Every year Army Headquarters sets goals that small businesses must make up a certain percentage of the total contract amounts awarded by a district. Additionally, there are set percentages that must be awarded to sub-categories of small businesses such as service-disabled veteran owned small businesses or women-owned businesses.

This past fiscal year Albuquerque District was the only one in South Pacific Division to exceed all the goals and had the highest small business percentage, with more than 57 percent of contracts awarded going to small businesses.

District Small Business Deputy Dan Curado said the achievement was a team effort, involving project managers, Military Construction, Contracting and everyone involved in contracting services.

The chart shows the original goals and the District's results (in percent). *Hubzone* refers

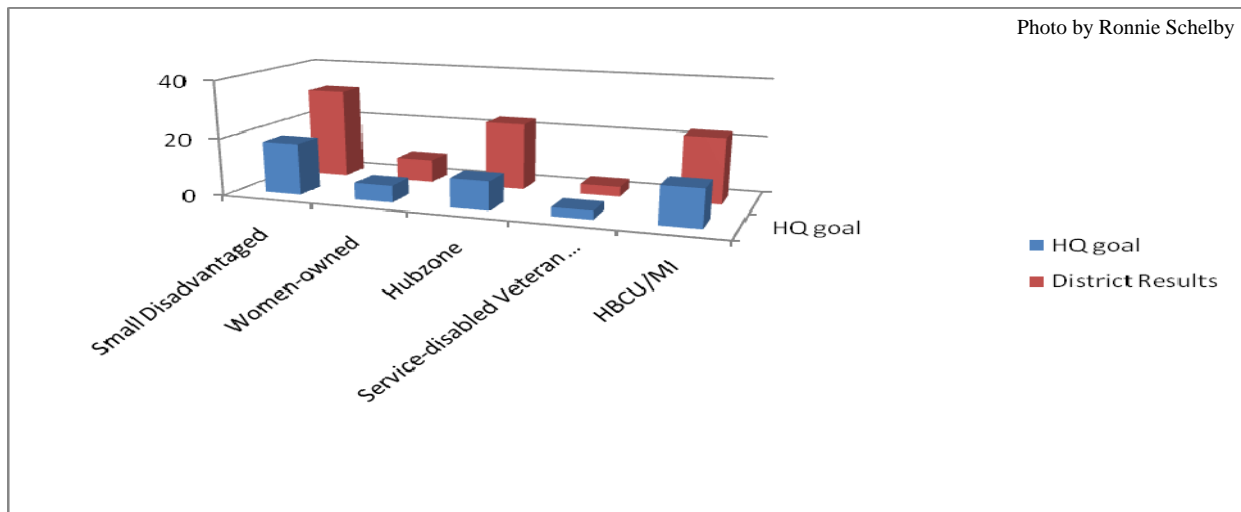
to historically underutilized businesses, and *HBCU/MI* stands for Historically Black Colleges and Universities / Minority Institutions.

Another notable achievement is that this was the second year in a row the District met the service-disabled veteran goal, which most districts struggle to do.

Put in actual dollar amounts, the District awarded \$394,049,504 in total contracts with \$226,284,750 going to small businesses.



At Right: Small Business Program Manager, Daniel Curado, explains the chart below to District leadership.



News Briefs—News Briefs—News Briefs—News Briefs

Ranger's Experience Prompts Survey

Park Ranger Alfred Chavez, from Abiquiu Lake, participated in the National Park Ranger Safety Survey distributed in September.

Ranger Chavez was shot while on duty at Abiquiu, Dec. 1, 2007.



Alfred Chavez

His incident was what prompted the Corps of Engineers to administer the survey. The last time it was conducted was in 1995.

The results of the survey will be compiled at the University of Michigan and will be sent to Corps headquarters.

Body Recovery Requires Corps Help

Corps personnel tried to manage the difficult situation of a body recovery from Cochiti Lake on Aug. 21.

Park Rangers Ray Sisneros and Mark Rosacker received a radio call from a Sandoval County police deputy about a body being found near the eastern shoreline of the lake, south of the Tetilla boat ramp. They responded immediately. En route, they contacted Chief of Lake Operations Karl Martin and told him of the situation,

requesting he disseminate the information throughout the Corps' chain-of-command.

On site, the rangers made contact with the police and confirmed the presence of a body, while waiting for someone from the Office of the Medical Investigator, but because the lake is on Tribal and Federal lands, they also contacted the Federal Bureau of Investigations, as well as the Bureau of Indian Affairs and the Cochiti Pueblo's Governor.

The medical examiner declared an official time of death, and a police official made a tentative identification of the remains as a person who was reported missing upstream in the Rio Grande since the night of August 10.

The rangers participated in the respectful recovery of the body for identification, medical investigation, proper treatment and proper burial.

Combined Federal Campaign Underway

Every year between September and December, federal employees come together to pledge support of the largest workplace charity campaign in the world.

Established in 1961 by executive order of President John F. Kennedy, the Combined Federal Campaign is a nationwide event allowing federal civilian, military and

postal employees to donate money to eligible non-profit organizations that provide health and human service benefits to people throughout the world.

Each year CFC events raise millions of dollars that go to support humanitarian relief efforts far and wide.

Information on the CFC Charity organizations is available on a table in the District headquarters' lobby.

For more information, please contact Angela Sims, ECM, at (505) 342-3260.

NM West Nile Cases Increase

The New Mexico Department of Health announced that New Mexico continues to see an increase in the number of West Nile Virus cases.

The Department confirmed 13 West Nile Virus cases this year and is investigating several more.

Symptoms of West Nile infection are fever, nausea, headache and muscle aches. In rare cases, West Nile Virus can cause meningitis or encephalitis.

For more information about West Nile Virus, go to the Department's website at <http://nmhealth.org/ERD/HealthData/westnile.shtml>.

This activity supports our Operations Plan: Action 12 (Develop and implement the Regional Human Capital Plan (HCP). PEOPLE FIRST, MISSION ALWAYS!

Focus On People

District Builds and Cultivates a Competent, Disciplined and Resilient Team Equipped to Deliver High Quality Solutions! It's More than an I-PLAN Goal...It's a Fact!



Construction Mgmt Excellence-Sharon Dictson

This award recognizes the district construction person who exhibits excellence in construction management and contract administration activities.



In Sept., Teresa Esplain and Angela Sims attended a local CFC fair to get ready for the District's fall campaign.

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Hard Hat of the Year - Jerry Nelson

This award goes to the most outstanding construction field office employee for exceptional knowledge of the Quality Assurance

process and demonstrated innovative methods for evaluating, controlling, and/or influencing the quality of construction work.



In August, Will Shuter, civil engineer with the Geotechnical Engineering Section, earned his licensure as a professional engineer in the State of New Mexico. Congrats, Will!

People First...It's More than an I-PLAN Goal, It's a Fact!



At Left: SPD Commander, Brig. Gen. "Rock" Donahue, presented the Commander's Award for Civilian Service to Park Ranger Austin Kuhlman Sept. 22 at the District Office. This was in recognition for his rescue of an 8-year-old boy off a cliff Aug. 18 at Abiquiu Lake. Austin's mother, father and sister flew in from Chattanooga, Tenn. to attend the special event.

At Right: Operations Division Chief Mark Yuska visited John Martin Reservoir Sept. 20 to present Julie Davis with the Commander's Award for Civilian Service for 33 years of dedication to the project. A number of former employees and the public were present.



At Left and Below: National Preparedness Month: The Albuquerque District held a Preparedness Fair on Sept. 15, and the fair was preceded by an emergency evacuation exercise organized by Safety's Richard Buttz (left). The Preparedness Fair included representatives from NM Poison Control, NM State Emergency Management, City of Albuquerque Emergency Services and Albuquerque Mountain Rescue.



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Focus On People

KUDOS!

Presidents

Fitness Challenge:

Bill Loveland
Tom Plummer
Paul Rebarchik
Jerry Nieto
Mike Goodrich
Daniel Garcia
Michelle Mann

SPD Overseas \ Contingency Ops:

Bruno Quirici
Cheyenne
Hollowhorn
Koufra Griven
Denise Quinn
Theresa Esplain
Rebecca Miner (x2)
Mike Carney
Bernice Chavez
Ulrike Kruger

Length of Service

Awards:

Michael Martinez 10 yrs
Mona Moore-Lester 10 yrs
Willa Prato 10 yrs
Corina Valdez-Chavez 10 yrs
Kathleen Bennett 15 yrs
Jeff Firebaugh 15 yrs
Brian Jordan 15 yrs
Ron Kneebone 20 yrs
John Brown 30 yrs
Dave Dutton 30 yrs
Don Luna 30 yrs
Debby Schibbelhut 30 yrs
Darrel Six 30 yrs
Raymond Vigil 30 yrs

CONGRATULATIONS!

Proud Parents:

Amanda Tapia-Pittman and her husband Samuel are new parents to Xavier Jovan who arrived Sept. 23.

Amanda Ward and Stephen Kissock are the proud parents of Arden Maevebry Marigold Ward born Sept. 21.

Denise Lucero and her husband have adopted a baby boy from South Korea.

Anita Serna and her husband gave birth to a baby girl on July 4.

In Sept., Charles Zelinske and Leigh Ann Cannon of the Logistics Office received a Letter of Appreciation from the VA for donation of equipment to the Zia Assistive Computerized Technology (Z-ACT) program.



Commanders Civ. Service:

Joe Ariaz (Afghanistan)
Dianne Pacheco (Afghanistan)
Theresa Esplain (Iraq)

Debby Schibbelhut, office automation assistant at John Martin Reservoir, was awarded a Special Act Award for service far above the call of duty Sept. 20.

From Feb. 14 to Oct. 8, she stepped forward and volunteered to aid the Cochiti Project in performing the duties of their vacant clerk position. The duties performed aided the Cochiti Project in end-of-year closings, contractual services, and inventory issues and helped close out their fiscal year. Schibbelhut recently celebrated thirty years with the Corps, all at John Martin.



Photo by Karen Downey

End of Year Town Hall Captures Reasons to Celebrate



Photos by Ronnie Schelby

This activity supports our Operations Plan: Action 12 (Develop and implement the Regional Human Capital Plan (HCP). PEOPLE FIRST, MISSION ALWAYS!

Features

Abiquiu Electrical System Upgrade is an ARRA Success

By Michael Logue, SPA Public Affairs

An important system upgrade at Abiquiu Dam, on the to-do list for several years, will be checked off that list next year courtesy of the American Recovery and Reinvestment Act (ARRA) and some heavy lifting by the District team.

As early as fiscal year 2006, District leadership were developing a plan to upgrade a key project generator that provides emergency power for the dam in the absence of normal commercial power.

Because the dam depends on emergency power to operate safely and protect residents and property downstream during a power outage, the Abiquiu Dam Electrical System Upgrade made the Districts Top Ten operations and maintenance list in fiscal years 2008 and 2009. As always, such projects always depend on funding which is often short.

Combining the need for this critical project with a critical national need to identify projects for the ARRA program, the electrical systems upgrade project found funding and a cradle-to-grave project manager in Seyfollah Etemadi.

The project would not be as simple as buying a generator at a building supply store. Etemadi had a long laundry list to consider in moving forward, to include evaluating project electrical loads, project power requirements, emergency requirements, safety, code requirements, and future growth.

"This long process showed us that the system needed more attention and would require more study than we originally thought," Etemadi said. "The Executive Office gave us a high priority to complete our design in fiscal year 2009," he said.

In early 2009, the project investigation,



Corps employees install a new generator at Abiquiu Dam that will play the critical role of supplying the dam with emergency power when needed.

study and design were awarded to Frankfurt, Short, Bruza Associates, P.C., of Oklahoma City for a total of \$296,282.

"We were also under a very tight schedule to begin construction in fiscal year 2010," said Etemadi.

The long-awaited, sorely needed project was contracted to SDV Construction Inc. of Albuquerque on March 3 for \$1,536,750. The Northern Area Office at Kirtland Air Force Base was charged with supervision and administration.

"Everything has gone great since we started construction March 17, 2010," Etemadi said. "We are on track to complete the upgrade in early 2011."

The project has also met its ARRA goals by creating many jobs for the architectural-engineering firm and associates in Oklahoma City, and for the local construction community in the state of New Mexico, and companies, suppliers, and related businesses nationwide.

Cochiti Dam: On Sept. 20, six international visitors from Botswana, Jordan, Pakistan, Romania, Sudan, and Yemen visited the project and learned about the Corps. The history of Cochiti Dam and its unique position on pueblo lands was discussed.

The visitors were hosted by the Santa Fe Council of International Relations and the World Learning Visitor Exchange Program in Washington, DC.



Photo by Michael Logue

Accompanying the group was Ms. Alison Baker with the U.S. State Department and Mr. Herb Thomas with the Santa Fe Council of International Relations. Park Ranger Mark Rosacker gave the program to the visitors.

Ranger Recounts Visit to Dam by International Guests

By Mark Rosacker, Corps ranger at Cochiti Dam

The international visitors had just arrived from Cochiti Pueblo where they heard the “Cochiti Perspective.” To my mind, they seemed to be curious about the Corps “take” on the events surrounding the construction of Cochiti Dam, and I did not pull any punches. I told them that during the last 45 years, our relationship with the Pueblo had gone from one of misunderstanding and conflict, to dialogue and an open exchange of ideas, to an apology from the USACE, and eventually to

genuine cooperation and partnership. I think that they were somewhat surprised that I told them the truth.

We had a two way conversation, and I asked them some questions too. I asked them what the problems were regarding water resources in their home countries, and how they thought that we could all work together to solve many of those problems. I told them that the Corps was always looking forward and planning for the future. The issues that

they spoke about revolved around people and nations “learning to trust one another,” offering and receiving mutual respect, respect for native knowledge and experience, balancing competing needs for water, extreme water pollution, and the VERY GREAT need for all human beings to work cooperatively to solve problems of world concern.

They were a great group. We had a positive exchange

—Continued on page 15

Features

Corps' Scientist Makes Point Discovery at Cochiti Lake

By Gregory D. Everhart, Archeologist

Albuquerque District archaeologist Gregory D. Everhart discovered a Paleoindian Clovis Period projectile point January 15, while conducting an archaeological survey at Cochiti Lake with District archaeologists John D. Schelberg, Lance Lundquist and Cochiti Lake Project Park Ranger Mark Rosacker.

On Jan. 20, the archaeologists met with Bruce Huckell, Ph.D. of the University of New Mexico, the state's leading Paleoindian researcher, who confirmed that the discovery was in fact a Clovis projectile point.

The Clovis Period in the Southwest dates to approximately 13,000 to 13,500 years before present.

Clovis points and artifacts are frequently found in association with extinct Pleistocene mammals, including mammoths.

The discovery of Clovis artifacts is so significant to the archaeological community and the cultural history of North America that even a single Clovis age artifact is considered to be an archaeological site.

The archaeological survey also documented approximately 4,000 Archaic stone flakes of a fine-grained black basalt.

The Everhart Clovis point fragment is a fairly typical example of these rare points.

The base of these points has a distinctive shape.



This Clovis projectile point was found during an archeological survey at Cochiti Lake in January.

Photo by Greg Everhart

The projectile point in its entirety would have been tapered and leaf-shaped (lanceolate), with the base slightly concave and fluted on both sides (a large flake chipped from the base), and the base and both lateral sides would be well ground.

The fluted, concave and ground edges of the projectile point base make for stronger hafting onto the spear.

The point fragment is made from a fine-grained white quartzite. Professor Huckell indicated that numerous Clovis points are made from this same type of quartzite; however, a quarry source for this specific quartzite material is unknown.

The broken end of the point fragment has been re-utilized subsequent to the break, as indicated by the well rounded edges on both sides of the fracture.

Corps' archaeologists invited Dr. Huckell,



Photo by Greg Everhart

—Continued from previous page Archeologists mapped the survey area at Cochiti using brightly colored flags.

as well as tribal members from Pueblo de Cochiti, to visit the site. Dr. Huckell and UNM graduate student Chris Merriman visited the area; soils in the area can be considered as stable, developing and ancient.

Pueblo de Cochiti tribal members Lee Suina

and Ray Bird also visited the area and were informed about the importance of the Clovis point discovery. The Corps will continue to discuss additional work in the area with the Pueblo, Operations Division, and the New Mexico State Historic Preservation Officer.

—Continued from page 13

of ideas, and they ended by expressing gratitude for what we had to share with them.

I think that they were also pleased that “real” Americans (the ones they met on their

trip) were far different from what they might have expected or heard about Americans in the “news.” I think they learned that while human beings truly are

different in different parts of the world; we are all far more alike one another than those differences might seem.

This trip and their visit to Cochiti Lake put a human face on everyone involved.

Proud Parent: EEO Manager Karen Doran’s son-in-law Samuel Briones has competed in Triathlons for 10 years and finished a half Ironman in Houston last year (his first) and then started training for the Ironman, which he completed in Sept. The Ironman was a 2.5 mile swim, 112 mile bike ride followed by a 26-mile run. Whew!



The Corps of Engineers is the Nation's Environmental Engineer

- We are the steward of almost 12 million acres of public Lands and waters in 43 states
- We carefully balance regulatory decisions to protect the nation's aquatic resources
- We restore properties and ecosystems, making both again available to the public for beneficial use
 - Our environmental projects improve quality of life by promoting sustainable economic development

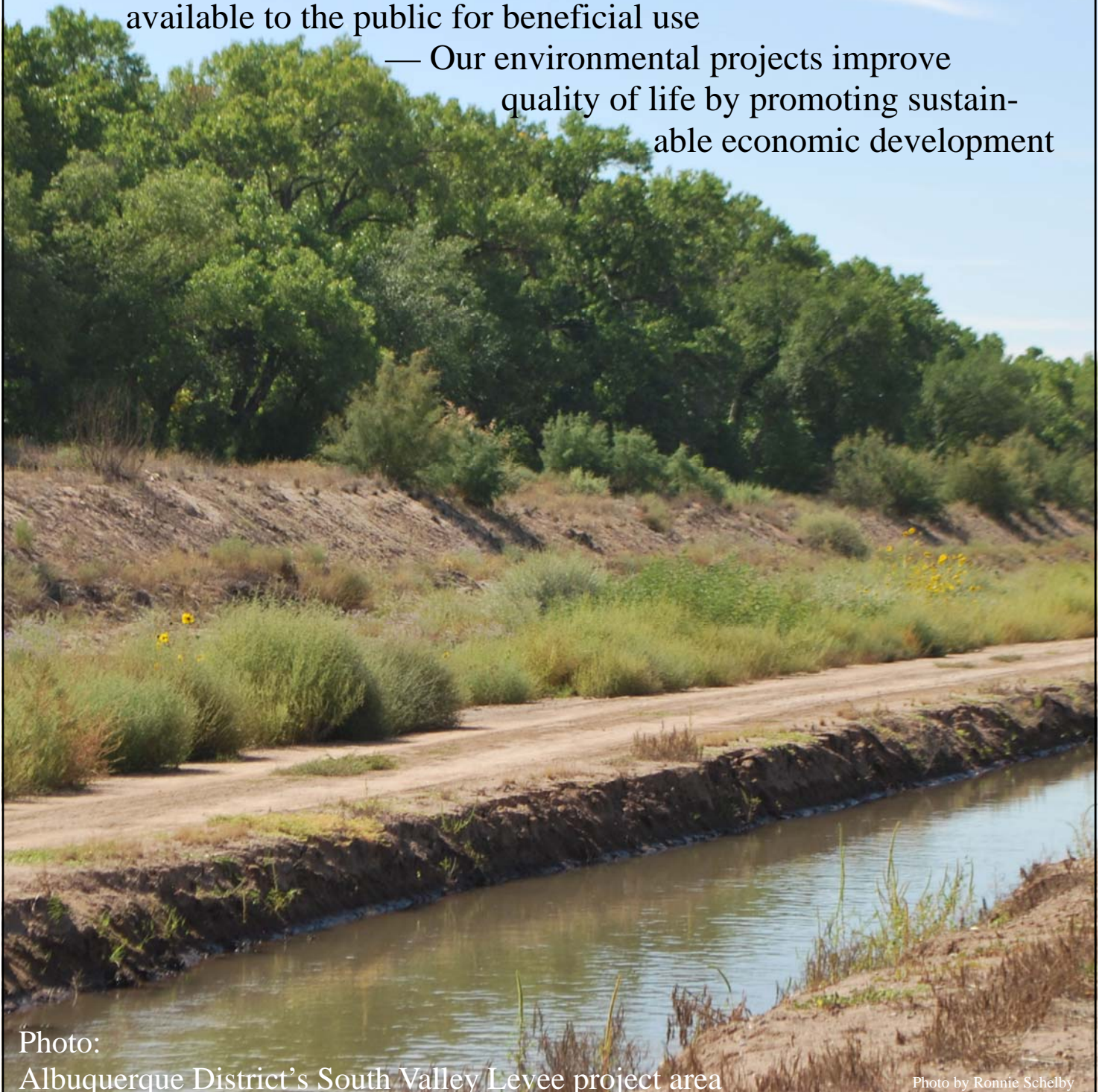


Photo:
Albuquerque District's South Valley Levee project area

Photo by Ronnie Schelby