

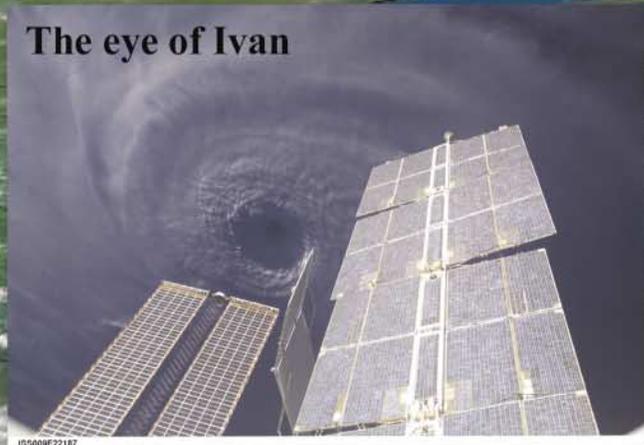
Wilmington

District News

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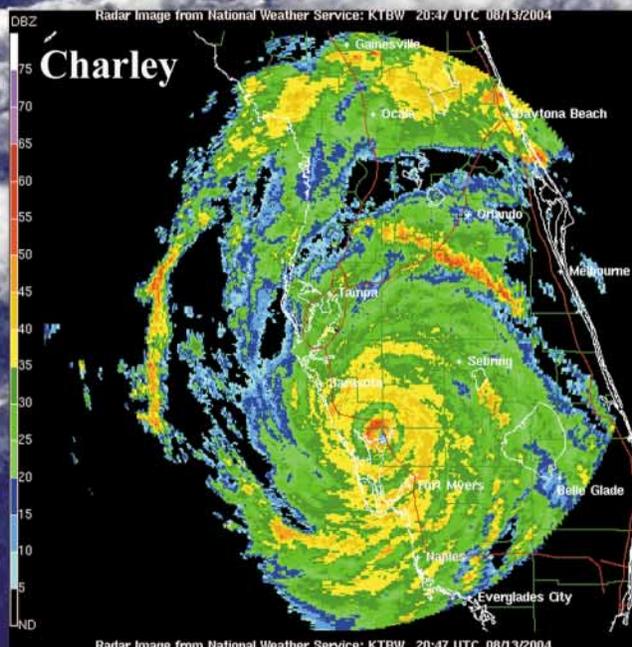
September 2004

The eye of Ivan



AT 2 PM EDT...1800Z...THE CENTER OF TROPICAL STORM
JEANNE WAS LOCATED NEAR LATITUDE 32.2 NORTH...
LONGITUDE 83.7 WEST OR ABOUT 35 MILES SOUTH OF
MACON GEORGIA.

JEANNE IS MOVING TOWARD THE NORTH-NORTHEAST
NEAR 14 MPH...AND A TURN TO THE NORTHEAST IS
EXPECTED DURING THE NEXT 24 HOURS.



Corps Counterpunches Four Storms

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On the Cover:

South Atlantic Division responded to four hurricanes in August and September 2004.

*Congratulations to the
Wilmington District
Festival Park Project
Delivery Team for
selection by the NC
Coastal Federation for
being a recipient of the
annual Pelican Awards for

Best Restoration
Project in the
Northeast NC Coast!*

Ops Plan Update

Meeting Customer Needs

As we all know, the U.S. Army Corps of Engineers is a Federal agency that offers a full range of planning, engineering, construction, and operation services. We have a highly skilled team of engineers, environmental scientists, planners and others who can address a broad range of water and land-related issues. We are proud of our capabilities and honored to be able to work with so many local, state, and federal partners to meet the needs of our region. With a goal of better understanding the needs of the region, identifying opportunities to provide assistance, and building better partnerships with other agencies, the District included two objectives in the 2004 Operations Plan to accomplish the following:

Objective 4.2 - Participate in two new state/regional forums (e.g., Association of County Managers) for the purpose of identifying existing and future water resource needs and defining opportunities to provide federal assistance.

Objective 4.4 - Develop two new partnerships with other federal agencies/military to communicate the Corps' capabilities and successes, which demonstrate our value to the Nation.

For Objective 4.2, District team members worked to identify potential water resource related groups, identify appropriate participants, determine an appropriate funding source for participation, and to develop outreach materials. Some of the most pertinent and productive forums include the following:

- **Encore for Oysters** (sponsored by the NC Coastal Federation, EPA, and the NC Division of Environmental Health). The first workshop was held in March of 2004. The focus of the forum was to identify opportunities for restoring estuarine and coastal habitats. We are now working with the Coastal Federation to identify environmental restoration needs for the Tar River Basin.
- **Water Resources Research Institute - Annual Conference**. This year's conference was held in March 2004. The focus of the forum was to discuss water resource needs of the state, ongoing research activities, research needs, and opportunities to address critical water resource issues.
- **Albemarle-Pamlico National Estuary Program (APNEP)**. This mission was to identify, restore, and protect the significant resources of the Albemarle-Pamlico estuarine system. It is sponsored by the states of North Carolina and Virginia and EPA and covers 5 river basins (Chowan, Neuse, Pasquotank, Roanoke, and Tar-Pamlico). The District has agreed to serve on the Advisory Committee and the Technical Panel.
- **Coastal Hazards Science Panel, NC Division of Coastal Management**. This panel of scientists meets periodically to address issues associated with coastal NC. Their mission includes the development and recommendation of regulations relative to coastal activities, including beach nourishment.

- **Water 2030, North Carolina Rural Economic Center**. The primary mission of the Center is to identify water resource needs in each river basin of the state with a focus on rural areas. Primary interest is water supply, water quality, and storm water management. We have agreed to serve on a technical advisory team.

For Objective 4.4, the interest was in implementing outreach strategies included in the 2003 Operations Plan. Some of the key partnerships established this fiscal year include the following:

- **Savannah District/Fort Bragg**. We have entered into an agreement with Savannah District and Fort Bragg to provide environmental support on an as-needed basis (supplement staff at Fort Bragg).
- **U.S. Park Service**. We have entered into an agreement with the Cape Lookout National Seashore to provide planning, design, and construction support for shore protection relative to the lighthouse and related grounds.
- **U.S. Forest Service**. We have entered into an agreement with the U.S. Forest Service to provide design assistance for lab additions and renovations in Asheville and in Charleston, SC.
- **Coastal America**. Under the guidance of Coastal America a partnership was formed between various Federal agencies and marine educational centers to help educate and promote protection of the nation's coastal ecosystems. Wilmington District will be part of a team that works with the State's aquariums and science centers.
- **Camp Lejeune**. The District continues to provide environmental, cultural resource, and dredging support to Camp Lejeune. Colonel Alexander and Ben Wood recently met with key officials at the installation to determine opportunities for additional support.
- **Savannah District/MOTSU**. District support to MOTSU under the MOA with Savannah was expanded to include non-navigation projects. Recent work consists of concept analysis and design report for entire Rail System at MOTSU, plans and specs for rail repairs, and construction observation services for rail repairs.

Meeting these two objectives represents a lot of work by a lot of people in the District. More importantly, it represents our continued efforts to be recognized as a first class public service organization - the kind that gets its satisfaction from helping meet the needs of others.

- Submitted by Coleman Long

'Bama Bound for Hurricane Recovery

Wilmington District is proving its mettle this summer as it joins other South Atlantic Division Districts in a real-time exercise of the "flex." That means our team is flexible and agile enough to go fight a hurricane somewhere outside our own boundaries.

When the 2004 Hurricane season transformed itself from its early, ho-hum personality into a multi-storm monster repeatedly assaulting Florida and the Gulf Coast, Jacksonville District needed help. Mobile District became the first to send a flex team forward to Florida's east coast in response to Hurricane Frances. Those winds had barely died when a new watch emerged for Hurricanes Jeanne and Ivan. Another SAD

team moved to the Antilles to help in the Hurricane Jeanne recovery, while Wilmington mobilized to Alabama in response to Ivan's hit on the Gulf Coast. And then Hurricane Jeanne tied itself in a knot and came back to slam Florida a second time. No wonder one Corps responder described our effort as a giant game of 'twister.'

Complicated as the season has been, Wilmington District Team members have been able to carry out a smooth and effective effort, with the able assistance of dozens of folks from around the Corps who came forward as volunteers.

Even before Ivan made landfall, an advance party had moved as far as

Savannah with truckloads of computers and office supplies. From there, they drove on into storm-ravaged Alabama, and the remaining team members deployed the day after landfall. "We have stayed about a week ahead of the expected curve throughout this response," Stirrat said. The reward will be an earlier than anticipated return to home station for many team members. The debris management team members and people working on a temporary housing mission will stay longer, but the core Emergency Response and Recovery Office (ERRO) team were scheduled to return on October 8th at press time, just three weeks after their initial departure.



PHOTO COURTESY SAVANNAH DISTRICT

These Soldiers from the 249th Engineer Battalion inspect a generator for immediate use. Photo by Jonas Jordan.

"The smooth response is a tribute to the experience and effectiveness of our team," LTC Jones said. Jones served as Commander of the ERRO. "They showed that they could take their knowledge of Emergency Response processes on the road and make it all work."

Several Wilmington District team members have been deployed throughout the storm season. "I think I have been at work every day since the beginning of August," said Ron Stirrat, the district's emergency manager. LTC Bud Jones, Sarah Tingley, John Roberts, Penny Schmitt, Keith Odberg, Hugh Heine, Jean Manuele, and Malcolm Charles all deployed to work on both Hurricane Charley and Hurricane Ivan recovery. Tingley and Roberts have also spent time in Iraq this year.

What did the Wilmington team accomplish?

"We have received ice for Ivan in Alabama, distributing about 15 million pounds of ice to comfort stations through an 18-county area," said Mitch Hall, the Ice Mission Manager, of Wilmington District.

Hugh Heine, also from Wilmington and already a veteran of the Hurricane Charley response, tells the same story about water supply. "We delivered about 1.7 million gallons of water to Alabama," he said. Remaining supplies have been made available to other disaster areas.

Emergency power mission manager Jan Hottubee, of Tulsa District, sent 64 generators out to meet needs in the Alabama counties that received a knockout punch from Ivan. "We restored power to dialysis centers, water treatment stations, correctional centers, nursing homes and other facilities. Then we de-installed and serviced these

"I expect to be here for a minimum of 60 days," said mission manager Paul Zorko.

same generators to make them ready for a new mission." As always, Prime Power Specialists from the 249th Engineer Battalion were a critical asset in conducting assessments and bringing their expertise to the aid of contractors.

Other missions being carried out by Ivan Alabama responders included procuring and distributing more than 45,000 tarps for self help roof repairs, and identifying and preparing sites for temporary housing.

The Corps' biggest mission in Alabama is debris removal. Three Alabama counties have asked the Corps to bring on its Advance Contracting Initiative (ACI) contractor, Phillips and Jordan, to clear more than three million cubic yards of downed trees, building materials, and other waste created by the devastating storm. To put that in perspective, that's more than five times as much material as Hurricane Isabel Responders pumped into the half-mile long breach in Hatteras Island last year.

"I expect to be here for a minimum of 60 days," said mission manager Paul Zorko, from Louisville District. He will be leading a contingent of more than 40 Corps Quality Assurance workers who will oversee debris collection, separation, and reduction.

What makes these missions go forward as smoothly as the chaos of disaster allows? A great support team is the key. Working along with our own team

members, H.T. Hale and Nancy Cox, logistics specialists from Philadelphia District brought order to distribution sites. Safety officer Pat Spoor, of Savannah District, and Wilmington's Security Officer Billy Lee make sure that the more than 200 Corps employees here work safely, and that commodities and equipment are protected. Resource managers, personnel specialists, real estate specialists, internal review officers, and public affairs staff manage the money, pay and manage the staff, find places to work or dispose of debris, ensure the integrity of our processes, and tell the story. Every job is important. Every detail must get the attention needed to make sure the job is done right.

"This is tough, but it's working," said Col. Ray Alexander, Commander of Wilmington District, whose team is leading the Alabama Emergency Response and Recovery Office (ERRO). "Our response plans are exercised every year, we have a well-designed template that has been filled out by great people from all around the Corps, and that's true of the other districts who are leading responses. Anyone who visits one of the active ERROs will be seeing red shirts, white shirts, and uniforms, all representing one entity-the United States Army Corps of Engineers, and representing it well. These people are coming together in a truly impressive way and doing a great job for Alabama!"

– By Penny Schmitt

One Corps, Serving the Nation . . .

Story by Penny Schmitt, photos by Tony Santana

BONITA SPRINGS, Florida, September 2004: Buffalo, Wilmington, and just about every Corps District and activity in between, from Seattle to Honolulu, from New Orleans to New York, U.S. Army Corps of Engineers team members have arrived to respond to Hurricane Charley.

Was someone you know out of the office recently? The chances he or she was in Florida working 12-hour shifts through two or more weeks is somewhere in the ballpark with the chance that a vacation caused the temporarily empty desk chair.

Sarah Tingley is one of 22 people here from Wilmington, North Carolina. She has only been at home for a few weeks, after returning from Iraq in late May. There, she worked in a Green Zone office setting up CEFMS operations. Here, she has been out in rural Florida, meeting residents who need temporary repairs to their storm-damaged roofs.

Pem Hall, from Omaha District, celebrated his birthday in the Emergency Response and Recovery Organization



Mission management teams work around the clock.

(ERRO) headquarters this week. He, too, is working on the Temporary Roofing mission to provide interim repairs for more than 25,000 homes until permanent repairs can be done. It's known as

“Operation Blue Roof”—could that be why the icing on his cake was bright blue?

New York District's Doug Leite is also a “deployment triple-dipper.” He has deployed to Kosovo and recently returned from duty in Afghanistan. Why is he on the road again? To help identify and prepare sites where FEMA can put temporary housing. Thousands of people have become homeless as a result of Hurricane Charley. FEMA is doing the big job of acquiring trailers and mobile homes. The Corps assignment is to find and design new neighborhood sites complete with infrastructure.

Roberta Cotton, of Jacksonville District is one very busy human resources specialist—she is making sure that those who are needed to do every kind of job from Quality Assurance on contractors to setting up computer networks is filled with someone who can meet the need. That person needs orders, transportation, and housing.



John Roberts, left, is water contract manager for the PRT. Hugh Heine is serving as mission manager.

The roll call could go on for pages . . . Buffalo, Charleston, Detroit, Fort Worth, Galveston, Honolulu, Jacksonville, Kansas City, Little Rock, Louisville, Memphis, Mobile, Nashville, New Orleans, New York, Omaha, Philadelphia, Pittsburgh, Portland, Rock Island, Savannah, Seattle, St. Louis, St. Paul, Tampa Bay, Tulsa, Vicksburg, Wilmington . . . all have contributed people to the recovery effort.

Col. Bob Carpenter, Commander of Jacksonville District and leader of the recovery effort for the Corps, says "I see One Corps here. I don't know where anybody is from!" And that's the real



Keith Odberg smiling thru. He has put in some very late nights making sure computers are operational in the ERRO.

story of this virtual organization that has so quickly taken on vivid life. The seamless teamwork among members of the Corps, and between the Corps and other federal, state, local government and volunteer organizations, is a hallmark of our culture.

Hurricane Charley ERRO is also a Learning Organization. Lessons learned have been collected throughout, with the Temporary Roofing mission a leader in finding new ways to make things hap-



Wilmington District Emergency Manager Ron Stirrat (left) consults with Jacksonville District's Dennis Karns and Mike Ornella about their ERRO lessons learned.

pen faster, better, for more people. Ron Stirrat, of Wilmington District, knows that he could benefit from this storm's lessons before this year's hurricane season is done. He spent a day in the ERRO

reviewing processes to ensure that good ideas invented here can be adopted right away if North Carolina needs them.



Virginia Rynk is airborne for a review of DeSoto and Hardee counties. She is leading the Operation Blue Roof QA & Right of Entry Outreach teams in that area.

John H. Kerr Ranger Dedicated to Helping Hurricane Victims

Story and photo by Nicole M. Dalrymple, St. Louis District Public Affairs



Mike Large, left, listens to a brief with other recovery workers.

Mike Large is no stranger to hurricane relief. During his 30-year career with the U.S. Army Corps of Engineers he has deployed for Hurricanes Andrew, Fran, Frederick and Hugo. He arrived in Southwest Florida August 22 for a 29-day deployment, assisting with the quality assurance mission in response to Hurricane Charley, his fifth hurricane.

Normally, Large works as a shoreline park ranger at the Wilmington District's John H. Kerr Reservoir in Boydton, Va., but for the next month he'll be assisting hurricane victims through a temporary roofing mission called "Operation Blue Roof".

The Federal Emergency Management Agency assigned the mission to the Corps of Engineers following Hurricane Charley.

The mission is critical. Thousands of homes damaged during the hurricane

are suffering additional damage because of daily rainstorms. Corps-hired contractors are placing temporary blue plastic roof coverings over the damaged homes to prevent additional weather damage. Before the contractor can do the work though a Right of Entry form must be filed with the Corps.

Since August 23 Large has been on the frontlines collecting Right of Entry forms from hundreds of impacted residents. Along side him have been over fifty Corps employees and over a hundred volunteers.

"We've had a great bunch of volunteers so far," Large said. "This is the first time I've worked with volunteers in a recovery effort and I definitely think this is the way to go in the future."

"The volunteers have contributed more than I anticipated," Large added. "The great thing about the volunteers is they have local knowledge that we don't

have; they help with language barriers and they bring in fresh ideas."

Large has walked the neighborhoods with the volunteers and has worked with them at temporary reception stations. "Going door-to-door gives you a chance to have onsite involvement," he said. "It definitely opens your eyes. You see the damage and hear the stories. It feels good knowing you're helping in some way."

Long hours, heat and humidity, daily rainstorms, and a hectic pace make the workdays challenging but Large doesn't seem to mind. "The long hours and heat don't really bother me," he said. "You're really so busy you don't have time to eat, but I like the intensity. I just look at it as my weight loss program. If you want to lose weight go in the field."

More seriously, Large suggests that Corps employees considering deployment for this relief effort, or future ones, need to be prepared for a few things. "Volunteers need to be prepared for long, hot days and erratic schedules. You have to be flexible because things are constantly changing. The mission will test you physically and mentally, and it will also help you appreciate the simple things like running water and flushing toilets," he added.

Large, who is already planning his retirement for January 2006 and has his eye on 100 acres in Virginia, says he'll continue to volunteer for emergency relief missions until his final days with the Corps. "I'm willing to do anything I can to help. This is a good mission and a good opportunity to help people."

Forward-Deployed Civilians Play Vital Role in Terror War

By Donna Miles, American Forces Press Service

WASHINGTON (AFP) — The death of a Department of the Air Force civilian in Iraq on Aug. 8 brings attention to some of the unsung heroes of the war effort: Thousands of Army, Air Force, Marine Corps and Navy civilian employees who have voluntarily put themselves in harm's way to support the war on terrorism.

Special Agent Rick Ulbright, a 49-year-old polygraph examiner with the 33rd Field Investigative Squadron at Andrews Air Force Base, Md., died at Kirkuk Air Base, Iraq, from wounds received during a mortar attack.

Agent Ulbright had been in Iraq for more than two months, providing polygraph support for counterintelligence and counterterrorism efforts, said Bryan Horaist, chief of the Air Force Office of Special Investigations' regional office at Randolph AFB, Texas. He was scheduled to return home in September.

Like the thousands of other Army, Navy, Air Force and Marine Corps civilian employees forward-deployed in Southwest Asia, Agent Ulbright "was an integral part of the effort," said Mr. Horaist, a personal friend who attended Agent Ulbright's memorial service Aug. 13 in the Washington area. "He wanted to be there," Mr. Horaist said.

Agent Ulbright was among about 1,400 Department of Defense civilians who have volunteered for duty in Iraq, said Army Lt. Col. David Farlow, a spokesman for U.S. Central Command in Baghdad. Most wear desert camouflage uniforms, just like their military counterparts, with "DOD Civilian" tags on their chests, alongside their names.

The Air Force reports 35 employees in its work force forward deployed to the CENTCOM area, said Jennifer Stephens, an Air Force spokeswoman. Besides criminal investigation support, they are providing equipment, air traffic control, information technology, finance and intelligence support.

Army Lt. Col. Jeffrey Ogden, who supervises 12 Army Corps of Engineers civilians in Iraq, said he is "very impressed" by the commitment he has witnessed among the volunteers, all serving 120-day deployments.

"They want to be here, and they want to make a contribution," said Colonel Ogden, who heads the Restore Iraqi Electricity Directorate. "They've jumped right in, hit the ground running and shown no hesitation about going outside the international zone. They know they have a job to do, and they go out there and do it."

Robert Dennis, a Wilmington District Corps of Engineer employee from Clarkesville, Va., who has been in Iraq since May, said he volunteered for the duty so he could play a critical role in the war on terrorism.

"When (the terrorists) attacked New York, they attacked all of us," he said. "For me, I knew it was time to come forward and do what I could."

Sharon Walker, an Army civilian for the Military District of Washington serving a six-month tour at the coalition press information center in Baghdad, said the events of Sept. 11, 2001, "definitely had an effect on me and my decision to volunteer in Iraq." She said thinking about the terror and pain caused by the terrorist attacks made her more resolved than ever to do whatever she could to support the troops.

"This volunteer opportunity came up, and it was the natural next step for me," she said.

Beth Hilliard, a civilian employee from the Corps of Engineers' Savannah district office, said she volunteered to serve four months in Iraq simply because "it was the right thing to do, something that was going to help the Iraqi people."

Ms. Hilliard shrugged off the dangers involved in the deployment.

"Different incidents go on here, but the mission takes priority," she said.

Ms. Walker said the preparation she received before deploying, both at Fort Myer, Va., and Fort Bliss, Texas, has proved invaluable in Iraq, particularly training in nuclear-biological and chemical protection, common skills and day-to-day soldier skills, such as how to pack a rucksack.

The duty has some rough aspects that many of her civilian counterparts never encounter, Ms. Walker said. She used the example of the time her plane made a "battle landing" into Baghdad International Airport.

"I get some adrenaline going sometimes when mortars hit near us, but that helps me get up off my chair," she said. "Talking to people helps me cope. Our interaction always improves my understanding and attitude."

But after several weeks in Iraq, Ms. Walker said she believes she is making a meaningful contribution to the war on terrorism.

"I'm supposed to be here doing this work," she said.

With "just 16 days and a wakeup call" left on his 120-day deployment, Mr. Dennis said he has found tremendous satisfaction in the work he and his fellow Corps of Engineers co-workers are doing, restoring electricity to Iraq.

"We're turning the lights back on and making a huge difference in people's lives," he said.

"We're doing a lot of good work," Ms. Hilliard said. "We're really putting megawatts on the (power) grid and helping these folks."

"The job is very challenging, and the work is fast-paced, but it's very rewarding," she said. "Overall, I'm glad I volunteered. And the longer I'm here, the more I feel that way."

District Archaeologist Helps Preserve Cultural History

– Story and Photos By Hank Heusinkveld



Wilmington District archaeologist Richard Kimmel holds up an artifact taken from an excavation site in Roanoke, Virginia.

During a mid-morning archaeological dig where a Native American village lies near the Roanoke River in Roanoke, Virginia, two contract archaeology technicians patiently brush away dirt soil from what was once a fire pit used for cooking. Near the pit they've carefully unearthed bits and pieces of rock called flakes.

"This was debris of what was chipped away to make stone tools," says Genevieve Taylor. "And we've also found pottery shards that indicate a settlement."

Nearby, District archaeologist Richard Kimmel chats with fellow archaeologists about what they've found and how the project is developing. As the contracting officer's representative, or COR, he determines the need for work at a project like this, then develops the scope of work, negotiates it with a contractor, and sees that the scope of work is carried out. Kimmel is one of a rare breed of U.S. Army Corps of Engineers team members whose job is to "see that historic resources, be they prehistoric sites, historic sites, cemeteries, etc., are identified and protected from damage during construction."

This site is part of the Roanoke River Upper Basin, Virginia, Headwaters Area and it's located in an area that will eventually be used for flood prevention. The team of contract workers from TRC Garrow Associates is comprised mostly of archaeology graduate students. They sift through tons of sandy clay and layers of earth to find clues about how Native American people lived here hundreds of years before Europeans arrived on the scene.

"We do this because it's the law and because it's the right thing to do," says Kimmel. "The law' is the NHPA, the National Historic Preservation Act. It first passed in 1966 and has been amended several times since then. It requires federal agencies to consider the impacts of all potentially ground disturbing activities on historic properties like historic buildings and sites, prehistoric archaeological sites, sacred sites and objects, etc."

Kimmel adds the NHPA also requires coordination of decisions with designated state historic preservation officers and any other identified interested parties, which might include Native American tribes and organizations. There are other laws that guide activities on Federal lands, but the NHPA covers all of USACE activities, including those affecting private or state-owned lands. All of the Wilmington District's activities in Virginia are coordinated with the Virginia Department of Historic Resources. Kimmel also coordinates USACE projects with Deanna Beacham, Program Specialist of the Virginia Council on Indians. It's an advisory group for the governor and general assembly of Virginia for issues having to do with state-recognized Indian Tribes and nations. The

VCI ensures that sites are treated with dignity and respect, especially when human remains are found, and works with archaeologists to educate the public about such sites.

"Personally, it's of immense interest because I like what can be found from archaeology as well as from history. I think archaeology can tell us a lot. And it's great to work for the Indian community and work in collaboration with archaeologists, especially if they're respectful about cultural issues."

According to Kimmel, what makes archaeology more than just a job is the proverbial "thrill of the hunt." Before the project began they made historical and intuitive decisions about where exactly to dig. And they were right on target.



These artifacts taken from the Roanoke site have been carefully preserved for study.



Kimmel inspects artifacts at the Durham office of TRC with principal investigator Paul Webb, center, and analyst Bruce Idol.

"We know from historical documentation where the most recent Native American activity was, purported locations of villages and contact sites. And we know just from the casual collection of artifacts that Native American remains are going to be found near all of the major rivers in Virginia and NC and many of the minor tributaries as well.



Kimmel and Deanna Beacham, Program Specialist of the Virginia Council on Indians, watch an archaeology graduate student sift soil.

"Recent" means as far back as more than a thousand years.

"When we look at a site with pottery we know it's going to be dated to after 1000 BC because that's when the use of pottery became widespread. And we know through radio carbon dating that the Roanoke project sites date to around AD 1300, called the Late Woodland Period because it's a period when pottery's being made and people were living in settled villages and growing crops instead of just hunting and fishing, and they had a more complex social structure.

By combining science and historical knowledge archeologists are able to make accurate predictions about where to dig. A lot of the time they rely on their sixth sense.

"Intuition is probably one of the better guides, but it's intuition based on years

of experience. We know that any flat topographic feature near a major watercourse is likely to have prehistoric remains. Likewise, ridge tops overlooking floodplains are likely to have the same."

Kimmel says it's hard to determine which people made arrowheads and pottery and left the fire pit scattered with tiny clues.

"In this case, we can't point to a particular tribe and say this material came from this tribe. What we do have are state recognized tribes, in this case the Monacan Indian Nation whose ancestors were in the area and who are willing to take possession of human remains and to rebury them with the appropriate Native American ceremony. And that's what will happen. They'll be carefully excavated and returned to the Monacan tribe for reburial."

In some cases archeologists could double as forensic scientists. For Kimmel, he still has the urge to look around the next corner, dig under some rocks, and see what, if anything, lies



Archaeology technician Genevieve Taylor displays flakes and pieces of pottery.

beneath that might be historically significant.

"It is fascinating. We're always learning something or we're always surprised by things we don't expect. The discovery is the fun part."



In sweltering heat, archaeology technicians glean soil in search of more clues and artifacts from this site.

New Deputy DE Brings Optimism, High-Speed Managerial Experience to District

When you walk into the new Deputy District Engineer's office you see momentos and keepsakes on the walls of a Soldier who's had a very well-rounded career.

Lieutenant Colonel Harvey "Bud" Jones comes to the District loaded with optimism about the District's future. Although the U.S. Army Corps of Engineers is new ground for this Army engineer officer who's used to combat engineering he looks at his new role as challenging and as a chance to help push the Corps in a new direction... for its own sake.

"A lot of people ask how relevant the Corps is. Well, I think it's extremely relevant. We provide a service that really no one else can in its entirety. We just have to do more than a better job. We have to change with the times to provide a service that's affordable, timely and to a very high standard. If we produce those three things we are going to get plenty of work, probably more work than we can take on. And that's okay. I think we are masters of our own fate. So, if we feel uncertainty we have to do something about it so that certainty comes back."

LTC Jones believes he can bring useful management skills he's developed as a combat engineer into civil engineering. Management is management, but he's confident that he'll be able to apply military management within the District's civil engineering mission.

"What I'm best at is engineer operations in combat. That's what I know how to do. In that area we talk about how you plan, organize. I have a lot of experience doing all of that all the way from the platoon level to the division level. So, I don't know if some of those things are a direct correlation. Some of them will, like deploying an Emergency Response and Recovery Office (ERRO).



Lieutenant Colonel Harvey "Bud" Jones, the Wilmington District's new Deputy DE-
"We provide a service that really no one else can in its entirety."

LTC Jones had that opportunity during Hurricane Charley when he was whisked away after shortly arriving to the District to run the night shift operations in Florida. He went on to command an ERRO in Alabama after Hurricane Fran.

"I know now how that needs to operate. Once you learn how to work within the organization then you learn what your specialties are and apply those specialties to the control processes that you know. That's what I'm hoping to do while I'm here and hopefully instill some of these processes to help us be more efficient."

LTC Jones admits that he has a lot to learn about the Corps. For one, he says he was unfamiliar about the Corps' navigation mission, and had only read about locks and dams.

"It's quite challenging because I really don't have a lot of experience with the Corps other than where I grew up which was just outside of Atlanta. I knew what Lake Lanier was and I knew a lot of the other project lakes around the area. I knew they were Corps of Engineers projects, but I really never knew what that meant. Even the Rangers had different uniforms."

He'll soon have his chance to learn about the District's five projects when he finds time after his current hurricane recovery mission to visit them.

"I'm really eager to get out and visit the projects and meet the people."

Colella Brings Corporate Insight, Army Values to District

Last year, Sam Colella deployed to Kosovo for six months with his Pennsylvania Army Reserve unit. As Director of Public Works for Camp Bondsteel, Colonel Sam Colella got an inside look at the U.S. Army Corps of Engineers, an agency that he had always wanted to work for and one that he was familiar with as a young Army engineer officer. After he returned to the U.S. he decided it was time for a job change.

"My career was going well," he says. "I felt there was a bigger cause than working for the 'almighty dollar.' So, after experiencing Kosovo I went back to my pharmaceutical company and discovered that I wasn't satisfied with the corporate world anymore. I felt like I was making a difference [in Kosovo], something that I should keep doing. I put in my paperwork for the Corps. I really felt I could bring something to the table."

What he brings to the table for the District is management experience similar to the Project Delivery Team called a High Performance Work Team, a cross-functional group of experts with varying skills.

"People didn't really report to each other in a direct way, but as a team we worked for a common goal and you had someone who led the team. In its simplest form that's the PMBP, and that's the way companies I've worked for chose to do business. We included folks from management, union, operations, engineering, maintenance, safety and environmental on the teams. This diversity pays off in great dividends when you get both hands-on and technical experience and bring it to bear on a solution."

Colella says when everyone's involved in the decision-making process they feel ownership of that solution. If a manager doesn't listen to a team member's viewpoint, the result is they might not agree that's the right way to do it.

"In their viewpoint, it's never correct because they were never asked. You really need input to solve a problem, and this extra step formalized that whole approach. It put them right on the team!"

While making the transition from the private sector, Colella felt that the Corps of Engineers was more business-like than he expected. He didn't expect a government agency could operate like the corporate world.

"They sent me the PMBP discs and I actually went through them and I was positively surprised about what was on

those CDs. Trying to conduct business in that way is what private industry has been doing for years and is still perfecting the process. It's something that doesn't come easy, as far as managing a project with a project delivery team."

Colella says he's impressed by motivated and committed people are in this District.

"I think I've seen more personal commitment to the job and to the mission here in Wilmington than in any other place that I've worked. Maybe it's that way across the board for the entire Corps of Engineers, but it's certainly the case here. If they need to work the whole weekend to get a job done then, they do it."



Sam Colella- "I think I've seen more personal commitment to the job and to the mission here in Wilmington than in any other place that I've worked."



Jan Wutkowski

NASA: Atlas of Extratropical Storm Tracks

<http://www.giss.nasa.gov/data/stormtracks/>

The NASA Goddard Institute for Space Studies offers an online atlas of fundamental information on extratropical storm systems in the mid-latitude during the last half of the twentieth century. Find maps of storm frequency and intensity and monthly and seasonal means as well as graphs of individual storm paths and the most severe storms. Researchers can download the storm track data and a FORTRAN program used to extract time and geographic subsets of the database.

One For Fun!!

The Moon as Seen from the Northern Hemisphere

<http://www.netaxs.com/~mhmyers/moon.tn.html>

Photographer Michael Myers supplies amazing telescopic photos and movies of the moon and moon lore. Visitors can learn about earthshine, waning moons, blue moons, lunar eclipses, full moons, and more. Also, view a three and a half week time-lapse movie of the phases of the moon. Photographers can discover Myers' lunar photo techniques.

Windows 2000 Brown Bag Tips...and More About UPSs...

What should you know about UPSs before you buy...

UPS (uninterruptible power supply) devices are designed to provide power protection for your PC and any attached peripherals as well as larger applications like multiple servers from power interruptions and variance in voltage. The battery backup times vary greatly for UPSs as well as the kind of power problems they protect against. There are two common types of UPS power protection devices: standby UPS and on-line or continuous UPS.

The standby UPS monitors the utility power supply; when it detects a problem it switches the computer to its battery power. Your equipment will then be powered by the UPS until the voltage returns back to a normal level or the battery is drained. There is a slight delay (milliseconds) between the loss of power from the utility and the transfer of power from the UPS. The standby UPS is an inexpensive power protection solution. It is normally expected to supply power only long enough for you to save what you are working on and shut your system down safely. Standby UPSs are good power protection solutions for small offices, small businesses and home use.

With an on-line UPS there is no delay in power being supplied to the equipment it is protecting. That's because your equipment is continually running off the battery of the on-line UPS and the UPS battery is continuously being recharged through the utility. If there is a power disruption there will be no interruption to your equipment since the battery is already supplying the power. If utility power is not restored allowing it to recharge the UPS battery the battery will be drained and power shut off.

You can get a UPS that will keep your equipment running for several minutes up to almost an hour. It depends on the power protection you need and the amount of money you are willing to spend. There are many reliable options available, you should have no problem finding one to meet your needs and your budget.

Two on Powerpoint...

Wired: PowerPoint is Evil by Tufte

<http://www.washington.edu/computing/training/560/zz-tufte.html>

Sociable Media: Five Experts Dispute Tufte on PowerPoint

<http://www.wired.com/wired/archive/11.09/ppt2.html>

Edward Tufte, professor emeritus of political science, computer science and statistics, and graphic design at Yale, is well known in graphics and data presentation circles for his publications and workshops on the art of effective presentations. In the first article, Tufte points out the evils of PowerPoint presentations, such as its emphasis on format over content, and its infiltration into schools, which teaches kids "how to formulate client pitches and infomercials." He argues for an approach that is more in tune with the way visual reasoning works. The second article from Sociable Media provides a rebuttal to Tufte's claims. In this article, Cliff Atkinson has interviewed five other experts on presenting data for their views on PowerPoint. He highlights some comments from the interviews, but also posts the transcript from the interview.

Remember, make sure that only your CPU and your monitor are plugged into the UPS + Surge side and your other peripherals such as your printer, speakers, and external devices are plugged into the surge side. The UPS does not have enough power to hold your printer, lights, and your pencil sharpener.



Shannon Rinehart

Common power problems and general power protection solutions:

- **Voltage Surges and Spikes**
Surges: Sudden increases in electrical current through the line (longer and more severe than a spike).
Spikes: Increase in voltage through the line for a very short period of time. (Solutions for both: UPS, surge suppressor or line conditioner)
- **Brownout or Voltage Sags:** A reduction in your incoming electrical current and the cause of most power problems. (Solutions: UPS or line conditioner)
- **Blackouts or Power Failure:** Complete loss of power can cause the obvious problems of lost data and hardware damage. When power is restored you can also experience the power problems mentioned above: surges, spikes and voltage sags. (Solutions: UPS)
- **Frequency Variations:** Change in frequency stability. (Solutions: UPS, surge suppressor or line conditioner)
- **Line Noise:** Signals that are embedded or overlaid onto incoming power. This usually doesn't damage hardware but can corrupt data. It is caused from the use of other electrical equipment or household appliances like microwaves, hairdryers or vacuum cleaners. (Solutions: UPS, surge suppressor or line conditioner)

Corps Family News

Gloria Price attended her annual McDonald Family reunion in Whiteville, NC. This was her family's 69th consecutive family reunion with approximately 200 family members attending from different locations throughout the eastern United States, including Europe.

Nate Porter, 15-year-old son of Elizabeth Porter of the Regulatory Division, took first place in all of his events (freestyle, butterfly and individual medley) at the Wilmington City Championship swim meet this summer. Last month, he also swam and received a medal in the Finals of the US Swim - North Carolina Junior Olympics - Long Course Age Group Swim Championship for the 100 meter butterfly event.

Jennifer Waldrop, a co-op at Falls Lake, got engaged in March to Andrew Harrod. Their wedding is planned for June 18th, 2005.

Emily Alsmeyer, 11, daughter of Eric Alsmeyer of the Raleigh Regulatory Field Office, has been selected to be in the Capital City Girls Choir/Chorale. The Chorale will be performing at the Crescent City Choir Festival in New Orleans next summer. Eric's daughter Rachel, 13, has been selected for the second year to play violin in the Triangle Youth Symphony.

Leila Camille Boynton, granddaughter of Vickie and Tony Carter, was born to Marcus and Toniece Boynton on 27 August 2004 at 10:58 pm. She was 19 inches long and weighed six pounds, 11 ounces.

Retiree Report

Attendees: Sylvia and Rex Phillips, Bettye and Bob Swart, Max Grimes, Augustus B. Moore, Lawrence Crawley, Joe Lewis, Betty and Eric Matzke, Kay and Buddy Johnson, Ron Fascher.

Another nice group came together this month. It was great to greet the new comer, Ron Fascher, to the meeting. We hope he had an enjoyable time and will continue to be with us.

There has been a little traveling going among our group. Betty and Eric Matzke took a trip out west, visiting Utah, Yellowstone National Park in Wyoming, Idaho, and South Dakota where they viewed the presidential faces at Mount Rushmore. They had a wonderful time.

Bettye and Bob Swart will be catching a bus at midnight on Sunday, starting on their journey and cruise to Alaska. They will be traveling with a large group from Wroghtsboro Baptist Church. Several people in the group are members of Bettye's and Bob's families. Really have been looking forward to this one.

For October, it has been decided that the retirees should try the new restaurant, McDaniel's Creamery and Restaurant, located where the Pier 20 Restaurant was. We will meet at our regular time, 11:30 AM on the 2nd Thursday of the month, that is 14 October. Come join us.

Corps Participates in "La Fiesta Del Pueblo"



On September 11 and 12, the Falls/Jordan Staff participated in the annual "La Fiesta Del Pueblo" event held at the State Fairgrounds in Raleigh. The event is the largest Latin American festival in the Carolinas. The staff presented water safety information for two days to Latino families. Two of our major priorities were the importance of wearing life jackets and learning how to swim.

Equality Day Celebrated



On August 26 at Hieronymous Seafood Restaurant; Myra M. Shird, PhD; gave a powerful presentation entitled: "Embracing the Power: A Lesson in Communication". Her enthusiasm toward celebrating Equality Day with The Wilmington District Corps of Engineers' is greatly appreciated. Dr. Shird's mini-workshop was a great success. It provided participants the opportunity to learn how to communicate more confidently and effectively. Dr. Shird demonstrated the power of communication with her incredible ability to motivate through speaking. This event was sponsored by your Federal Women's Program.

Reaching Out

Stacey Smith and Renita McNeil attended the NC A&T Career Awareness Program on Wednesday, 15 September 2004. They talked with more than 154 students and faculty and received 58 resumes. A genuine interest in working with the Corps was expressed by many. Although our primary focus was engineers, we talked with others in diverse fields.

All in the Family...

While Sherrie Gaylor finishes up her second deployment in two years in Afghanistan her heart lies in two areas of Southwest Asia. One son, Chief Warrant Officer David J. Bassili, is serving in the U.S. Army somewhere in Iraq. Her other son, Technical Sergeant Joseph J. Bassili, is serving in the Air Force in Qatar. David is usually stationed at Fort Hood, Texas and will be in Iraq for a year. Joseph's home base is in Goldsboro, NC, but he's calling Qatar home during his 120-day deployment.



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