



The Seattle District

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Flagship



In support of
Operation Noble Eagle

Bald Eagle
by
Sallie A. Zydek
7-1987

In this issue

- Intriguing Tenants
- Disaster Response at Houston
- Fort Lewis Athletic Complex
- Howard Hanson Dam Fish Islands
- Fairchild Runway Lighting
- Recreation as a Corps Business Center
- Goldsborough Dam Update
- Around the District



Sallie Zydek's noble eagle is a fitting cover for this issue. An artist of varied talents, she painted the eagle over the July 4, 1987, weekend.

Col. Ralph H. Graves, Commander
 Dave Harris, Chief, Public Affairs
 Jan Marcan, Editor
 Patricia Graesser, Contributor
 Steve Cosgrove, Contributor
 Leslie Kaye, Contributor
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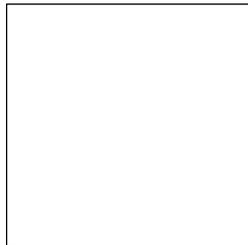
US Army Corps
 of Engineers
 Seattle District

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This issue was especially prepared for Fred Brown (and we wish him a fond farewell) and all other employees of Seattle District.



Col. Ralph H. Graves

Commander's Notebook

The right course of action

The Sept. 11 terrorist hijacking attacks on New York and Washington, D.C., have shocked us, made us deeply sad and stirred us to action. We in Seattle are far from Manhattan or the Pentagon. We grieve along with those who lost relatives or close friends, but only a few of us in the district recognize names on the victim lists. Yet these attacks were directed against all of us as Americans, and we each should think about our response.

Most people aspire to achieve in life, individually and collectively to face and to overcome challenges. Some challenges we get to choose, particularly as citizens of a free country, as we select academic programs, careers, sports and hobbies. As a nation we have chosen to take on problems of education, space exploration, pollution, crime and poverty.

The challenge of international terrorism is not one that we chose, but it has emerged as perhaps the defining one for the United States in the new century. It will take ingenuity, courage, persistence and diplomacy to meet this threat. It will take individual effort and successful teamwork. As previous generations overcame the challenges of the Cold War and World War II, I have faith that we shall overcome terrorism.

In the days following Sept. 11 there has been a lot of talk of God, as each according to his beliefs tries to take comfort, to understand and to receive guidance amidst such disturbing events. As Leslie Kaye pointed out in our Sept. 14 memorial observance, talk of God can be generalized to the idea of "good," as we seek for purpose and direction.

We desire not merely to score revenge or victory or to restore security and prosperity. We want to discover the right course of action not only for practical self-interest, but also to feel justified. That will require thinking about why we are fighting in addition to how.

We in Seattle District will respond to the challenges of international terrorism not only as citizens but also more actively as members of the Corps of Engineers. Our travel and status expose us to extra risk, while our jobs provide us greater opportunity to contribute to the national effort.

Let's each work for a victory in this contest that is not only decisive, but also deserved.

No better place

By Dave Harris

Sept. 11, 2001, will take its place beside such dates as Dec. 7, 1941, and June 6, 1944, as dates we will remember the rest of our lives. Sept. 11 was a day that made us think about the meaning of life. And it made us think about what we can do. And where we are.

No better place to be than the Corps of Engineers.

Others destroy. We rebuild.

Others ruin. We restore.

Others dream. We create.

Others talk. We listen.

Others write about how to make the world better. We actually make it better.

We're the ones they turn to. Why us? Simple. We make it happen.

Courage. Steady. Action. Progress. Visible. Accountable. Public. Dependable.

Good science. Good-hearted people. Ready response. Solid results you can touch today and decades from now.

Proud history. Proud to sign our work.

And yes, of course: Duty. Honor. Country.

For 226 years, the men and women of the U.S. Army Corps of Engineers gave you a sturdy and glistening heritage.

Just listen to retirees at their semi-annual luncheon. They know the Corps. They built the Corps and the landscape. They love the Corps. It is more than their career. It is their lifelong heart and soul.

Now it's up to you. The future promises adventure, noble and diverse challenges like nowhere

else, as well as danger and glory.

To the heritage given you, it is now up to you to leave a shining legacy.

No better place to be. None.

Let all who come behind us find us faithful.



CorpsPath

A path for all of us to assimilate the Corps' proud history, culture and way of life and doing business is an interactive CD-web-discussion program called CorpsPath. We will each have the opportunity to pursue this intriguing presentation over the coming 12 months.

Frankly, one of the best ways to prepare oneself for the coming national and

global struggle is to enthusiastically and diligently complete CorpsPath.

If the events since Sept. 11 have inspired you to a higher purpose and greater service, a good start is to be a strong CorpsPath advocate.

Talk to your supervisor about how to get started, or to help lead your co-workers through it.

Here's a grand opportunity to lead by example.



Providing emergency power was a prime Corps mission following in the wake of Allison.

Pacific NW lends a hand in Houston

By Dave Harris/photos courtesy of Peter Navesky, Tulsa District

Since late June, when Tropical Storm Allison brought torrential rains and flooding to Southeast Texas, more than 100,000 people have applied for state and federal disaster assistance. The assistance provided for housing, family grants, and low-interest loans has reached almost \$500 million.

The Federal Emergency Management Agency (FEMA) tasked the U.S. Army Corps of Engineers with three main missions in Harris County in the Houston vicinity:

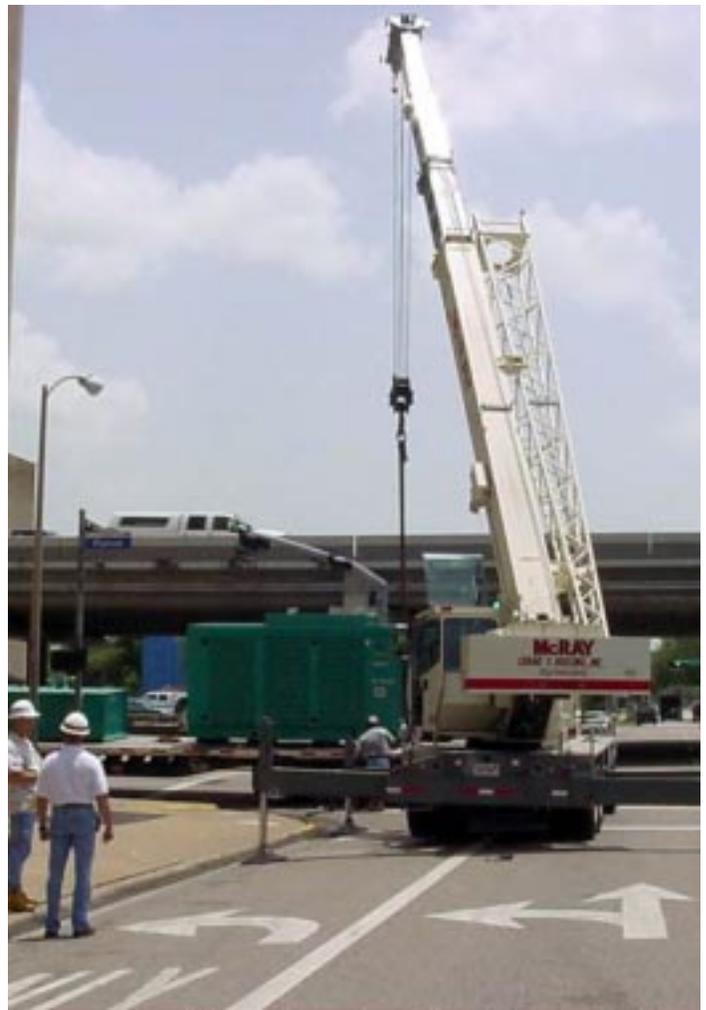
Power team – Soldiers from the Corps’ 249th Engineer Battalion (Prime Power) installed FEMA generators at local hospitals. Contract workers refueled and maintained the generators. Most hospitals recently returned to commercial power, and contractor personnel have removed the generators.

Debris collection – About 30 Corps employees monitored debris removal operations and submitted data to FEMA to assure the right people are paid properly.

Temporary housing – Savannah District’s Temporary Housing Planning and Response Team provided hookups for 2,000-5,000 FEMA-provided recreational vehicles located next to the uninhabitable homes of disaster victims. The RVs provide temporary lodging for many of the 29,000 people who needed lodging until their homes are restored. New York District’s Temporary Housing PRT was designing mobile home parks for use as suitable sites are located to supplement existing commercial mobile home parks as they become full.

The Corps estimated that \$34.1 million was needed to dredge the Houston Ship Canal, Galveston Bay system, and other channels to restore them to pre-storm condition.

Michelle Clark, Galveston District, described the Corps’ disaster area environmental mission. The team did



The Corps Power team sets a 500 kw generator at St. Joseph’s Hospital in downtown Houston.



Soldiers from the Corps’ 249th Engineer Battalion install FEMA generators at local hospitals.

hazardous, toxic, and radioactive waste reviews of a potential site for a mobile home park. They determined the site was outside the flood-plain, checked aerial photos to determine historical use, visited the site, and wrote a report. They then performed a National Environmental Policy Act evaluation, checking Endangered Species Act, habitat and environmental features. Environmental assessments were expedited.

Staff Sgt. Tom Zyzyk of the 249th said his team installed six FEMA generator assets at the Texas Medical Center in four major hospitals. They also installed a mobile substation, brought in from Fort Lewis, Wash., and used it to step-down commercial power for critical mobile catheterization labs at



Tulsa District's Jan Holsomback explains the role of a mobile substation before the cameras.

Hermann Hospital at the Texas Medical Center in Houston.

The Prime Power Team started with 14 personnel. Tulsa District's Peter Navesky and Jan Holsomback took turns as Power Team mission managers.

The 249th Engineer Battalion is headquartered at Fort Belvoir, Va. It has about 220 soldiers worldwide, with companies at Fort Lewis, Wash., and Fort Bragg, N.C., and detachments in Germany, Hawaii, and Korea. The battalion frequently responds to disasters, and is often the first team on the ground, said Zyzyk.

He described Houston-area power contractors working at the Texas Medical Center as "absolutely awesome," redoing much of the power infrastructure, which was "devastated. They were replacing many of the transformers and switch gear."

Herman Wine is a project manager from New York District. His PRT did preliminary work to mobile home parks to accommodate displaced disaster victims. The team was awaiting approval to go ahead with design. If approved, FEMA wants construction within 20 days. Wine said this timetable was difficult, especially since contractors are reluctant to take on those restraints. But he said his team could do work short of awarding the construction contract (identify potential sites, preliminary coordination, complete surveys, and produce plans and specifications) to facilitate the work in a reasonable time.

In the mobile home parks, the homes are provided by FEMA, often paying 75 percent and cost-sharing 25 percent with the local government. They are normally intended for temporary use for one year to 18 months. As they get back on their feet, victims may be able to buy the mobile home. Often the state or local concern eventually takes over the facility.

In July the Corps transitioned from emergency response to project management and recovery phase. Future work depends upon approvals and funding for potential design and dredging.

As August arrived, federal and state disaster assistance for families and businesses stood at \$497 million, including \$148.4 million in temporary housing costs, \$194.1 million in U.S. Small Business Administration low-interest disaster loans and state-approved \$154.6 million in grants.

More than 40,000 residents in 31 counties included in the disaster declaration have visited the Disaster Recovery Centers.

"Our main focus now is making sure that all individuals needing assistance are registered and that everyone is living in a safe environment," said Scott Wells, federal coordinating officer for the recovery effort.

Souvenir: something kept as a reminder

By Jackie Hopkins

Who would have known that a small gift I received from a friend who traveled to New York in December would become a symbol and a keepsake I will cherish forever? Who would have known that less than a year later, America's way of life would be altered forever?

The gift? A small metal magnet with the Statue of Liberty and the Empire State Building in the foreground, and skyscrapers and the American Flag etched in the background. The words "New York" proudly inscribed across the top.

I didn't know at the time when she let me choose from an assortment of different magnets, that this magnet would some day hold a special meaning - not just for me but for all of America. A gift to honor in remembrance of all the victims who died, and their families who grieve in the attacks on the World Trade Center.

The terrorist attacks Sept. 11 on the World Trade Center in New York and the Pentagon in Washington, D.C., and the downed plane in Pennsylvania, are tragedies no one could ever have envisioned. How could this possibly happen to the greatest country in the world, and now that it has, what do we do?

We must pray. Pray for the victims and their families, pray for the rescue workers and the nurses and doctors working around the clock to help the wounded and find and bury the dead, pray for this great nation that has come under attack by cowards and fanatics. We must pray our president and leaders will be given the guidance needed to make right decisions to lead this country back to stability.

After we pray, we must take appropriate action to keep this tragedy from ever repeating itself again on American soil. We must unite as one and squelch those that would endanger and kill many innocent people in an attempt to wreak havoc and terror. We must stay strong, be brave, and keep the faith that justice will prevail.

Maybe one day we will be able to board a plane again without the thought and terrifying images of these events coming to mind.

Maybe one day we will see the World Trade Center rebuilt, better and stronger than before.

Maybe one day there will be peace and no more living in fear of terrorist attacks and threats from third world countries.

Maybe one day our fellow Americans around the world can get on with their lives, but we will never forget the grave injustice done to our great country and many of her proud citizens.

This, America, we must never, ever forget!



Smooth landing on Fairchild's new runway

By Patricia Graesser

This summer Seattle District oversaw a \$5 million project to install new runway centerline and touchdown lights with runway paving for Fairchild Air Force Base's 14,000-foot-long runway.

For an Air Force Base to take a runway off-line is a serious undertaking with high-level interest and significant impacts to the entire base. To accommodate the project, Fairchild arranged to vacate the entire runway June 1 to July 31, establishing temporary duty for the air wing and maintainers at March AFB, Calif., during this period. All eyes on base were looking to see if the runway work would be done on schedule.

After the district awarded the contract to Garco Construction, it was discovered that some unit price bid item quantities were incorrect as well as some stationing for the runway. Detailed information was also lacking on an abandoned sub-surface lighting conduit system, which the contractor would encounter during pavement preparatory milling operations.

Faced with a construction funding shortfall, the district requested and Air Mobility Command provided \$1 million in additional funds, which allowed the district to fund a complete and useable project.

In the end, through outstanding teamwork and a firm resolve, Garco, their sub-contractors, and the Corps' staff brought the project in on time, and the Wing brought its crew home ahead of schedule.

"We had a bumpy start, but it turned out to be a great project," said Andy Maser, the Corps' project manager forward for Fairchild.

Andy Maser became the project manager just prior to initial project manager Ron McMullen's retirement. At that point, the Corps had put out the request for proposal and a couple of amendments. "We had an inordinate amount of bidder inquiries."

"The design team went to a lot of effort to answer all the questions," said Paul Wiersma, project engineer at Fairchild Resident Office.

With bids in, the contractor costs exceeded the government estimate, and the Corps needed to do a cost-comparison study.

When looking at how the district got to that point, Maser is documenting lessons learned to share with the district to help us perform better next time.

Overall, the project management needed to be more hands-on, provide more effective communication and allow time, budget and opportunity for more inclusion of key team members.

Maser and Dean Schmidt have both come up with recommendations, such as incorporating the designers early and thoroughly in the project scoping and definition process, including on-site analysis of existing conditions, and development of the project management plan (scope, timeline and budget).

"We were not aware of all the runway criteria," said Maser. "And at each submittal our design submittals were delayed and short of Air Force expectations."

Air Force unit price specifications were problematic, the pavement repair design needed to be re-scoped three times, and ultimately a lot of design effort lay wasted, according to Ben Lazo, design team member.

"This project was put on a fast-tracked pace," said Lazo. "It did not allow for adequate field investigation in the heart of winter."

"We made it tough on the design staff," said Lee Paul, Engineering Flight Chief at Fairchild. The runway was a congressionally inserted project, which accelerated its pace, and the timeline was further tightened by the need for all the work to be completed in the summer, according to Paul.

The district used the Corps' center of expertise at Omaha



Construction contractors install three of the 637 runway lights at Fairchild Air Force Base.

district to their potential during the critical asphalt pavement phase. However, district team members agree that the center ought to have been brought in earlier with more time allowed for their participation.

Civil designers Lazo and Les Lorang went to Fairchild for a month to both watch over construction and to respond to questions about the design immediately. Electrical engineer at Fairchild, Steve Dodroe, devoted almost his full time to this job, which helped work through the electrical problems.

“We were lucky to have experienced construction folks over at Fairchild to oversee this project,” Lazo said. “We were also lucky to have a contractor and staff willing to work with us and the customer.”

By contract, Garco had 122 calendar days to complete the onsite work on the runway. They started construction June 1 and completed all three phases of work July 25, with final inspection on July 26. Total construction period was 56 calendar days from start to completion.

Major work items included removing 70,000 tons of existing asphalt, placing 220,000 square yards of new asphalt, core drilling 557 holes for the new lights, cutting and sealing grooves for wireways, installing 637 light cans and lights, and applying over 100,000 square feet of new paint striping. Garco completed it all on time, working 25,000 man hours with zero accidents.

According to Hollis Barnett, project manager for Garco, this monumental effort could not have been performed without the teamwork of everyone involved, including the Corps contract administration folks (Susan Sherrell, Pat Holmes, Andy Maser), the designers (Ben Lazo and Art Brown), the Corps’ Fairchild Office (Dean Schmidt, Dennis Scalf, Paul Wiersma, Mark Fillius, Steve Dodroe, Doug Herrman), the Air Force, and Garco’s team of subcontractors.

“Paul Wiersma, Dean Schmidt, Mark Fillius and Ben Lazo were instrumental in making sure questions were answered and decisions made expeditiously,” according to Barnett.

As to the rapport between the district and the Base, Lee Paul said he’d like to see the design team on-site and concurred with Maser’s view that the design team needs more time on-site.

“Our relationship with the resident and technical staff has always been great—we’ve got one of the best groups around,” said Paul. “And Andy Maser is totally committed to us and is always there trying to keep all the pieces together. Our challenges are in adequately capturing requirements, working within the budget and getting adequate staffing.”



Deputy Commander Lt. Col. Mark Holt presents outstanding contractor letter to Tim Welsh, president of Garco Construction.

Sharing quarters with the Corps
***Adventurous
and intriguing
tenants***

Story and photos by Dave Harris

Angry waves crashing around them, seamen and seawomen from Federal Center South steady themselves against the bulkhead of their heaving 350-foot vessel, EXCELLENCE, in the frigid Alaskan waters. If they can make it to Dutch Harbor, their stomachs can settle.

When most people think of Federal Center South, they think of the biggest tenant, the Army Corps of Engineers. But the historic complex hosts more than a dozen other tenants of every description, a few more traditional tenants, like Army and Navy Reserve recruiters and Photoworks, but some with intriguing missions involving ocean-going ships and restored old-time railroad cars.

Start your walk by the motor pool; go out to the west and between the long buildings, heading south. You can walk the length of a long pier. First walk toward E. Marginal Way S. There you may see the EXCELLENCE, a fish-processing vessel. Joe Bersch is president of Alaska Supreme, owner of the ship.

“We process fish to produce surimi, which most people know as imitation crab,” he says. During peak fishing season the ship stays out 30 days with a crew of 120 to 140. When you see it berthed at Federal Center South, she can offload in as little as two days before heading out again.

Crewmembers must undergo the same kind of security as other employees in the building, Joe says, and he reminds lunchtime strollers to “always be careful” when the ship is in port, avoiding the bustling activity on the pier.

As you walk to the riverside part of the pier, go north. Just before you get to the fence, you’ll see a garage-type building with many cars parked out back. Walk among the cars and you’ll see such vehicles as a van with more than half a dozen bullet holes through the rear doors. A sheet on the front seat indicates the Seattle Police confiscated it. They found a \$20 bill and unspent bullets in it. No one wants to talk about it. You realize you are standing in the FBI maintenance yard, and your pace suddenly picks up a bit. You don’t want to be associated with that vehicle. No way.



Historic railway cars will head from Federal Center South for Los Angeles.



Holey Moley! Either crime doesn't pay or its wages come at high risk.

Walking more quickly now, you head back to the corner of the pier and between the buildings. You peek in and see railroad cars in various stages of construction. Pacifica Marine, one of the tenants, made a deal with the Historic Railway Restoration Co., who is building the railroad cars. The co-owner, Kim Greenawalt, said that the Port of Los Angeles was so impressed by Seattle's trolley car by the waterfront that the port folks wanted some cars built for their San Pedro facility to haul tourists from cruise ships.

Nearby, the Bureau of Indian Affairs prepares to send fuel and freight to the natives of Alaska, providing affordable transportation and service costs for the re-supply of life-sustaining goods. A large number of bridge timbers are stowed out back. BIA's Barbara Shaw says they are destined for the regional office in Juneau and then for use in a nearby Alaskan village. Today, BIA sends mostly fuel and some freight and groceries by contract carriers.

She laments the bygone days of the U.S.M.S. NORTHSTAR III vessel she worked on, decommissioned in 1984, which supplied all manner of goods, including automobiles, to villagers. Back then, native Alaskans eagerly watched for the familiar vessel.

"It was like Christmas," she said.



This 350-foot vessel processes imitation crab in Alaska.

Developing a haven for fish & wildlife at Howard Hanson Dam

By Dave Harris/photos courtesy of Jon Olson

Logjams, debris and snags—nuisances for boats and people and havens for fish and wildlife.

Fred Goetz, fish biologist, came up with the idea to build log-debris islands as fish and wildlife habitat in the reservoir at Howard Hanson Dam. The concept was part of a Section 1135 environmental restoration project following a feasibility study and environmental assessment completed in 1996. When finished, the islands would help provide habitat for juvenile coho and chinook salmon.

Jeff Dillon picked up the ball and designed fish islands and the idea started to take shape. Jeff worked with Jon Olson and the Mud Mountain-Howard Hanson Dam staff to bring the design to reality. Jon was instrumental in building a prototype. Another member of Planning Branch, Jim Jacobson, joined the team to implement the plan, along with crews at the project. Washington State Fisheries and the Muckleshoot Tribe collaborated with the plan.

The problem: “We needed to have fish habitat that would be flexible,” Fred says. “The pool fluctuates 100 feet. If we built something for a lower elevation it would be covered with water most of the time. If we built something close to the top it would have to wait until the pool reached it. The fish islands rise and fall with the pool.”

Island creation begins with 1,500-pound blocks of concrete used as anchors. Jon says construction and placement took about two months to secure eight islands. The crew will anchor the ninth island in the coming year. The hands-on project followed two years of holding debris to prepare for the work. When debris wasn’t used to make the islands, project staff towed it to the upper debris area for salvage and disposal.

Even though the debris island placement required extensive coordination, equipment and staff—much of the Mud Mountain-Howard Hanson staff got involved—the effort is only the beginning.

As the Additional Water Storage project progresses in the coming years, Fred said, crews will construct fish and wildlife habitat on a grand scale, placing log booms to collect massive amounts of debris.

The Forest Service, where Fred previously worked, has placed a number of debris habitat structures in lakes and ponds in Oregon and Washington, he says.

“Howard Hanson Dam is the first place we’ve tried it in a reservoir.”



The first of nine fish islands made for Howard Hanson Dam.



These islands provide protection for fish from predators in the reservoir.



Fifteen hundred pound blocks are used to anchor the islands.



Logs were placed here to be used as a fish restoration site upstream of the reservoir.



How today's soldiers work and play

By Jan Marcan

Cast a glance off North Fort Lewis 41st Division Drive at one of the most modern military communities around.

Fourteen hundred soldiers live in “one-plus-one” standard accommodations unlike the old days when they shared latrines, slept in open bays and suffered tough first sergeants. Today, quality of life means a private bedroom, and a shared kitchen and bath.

In addition, the whole barracks renewal complex at North Fort Lewis recently added an impressive sports center to its unique configuration. The Wilson Sports and Fitness Center opened its doors to the military and military families in July.

Seattle District Commander, Col. Ralph Graves, presented the “state-of-the-art” physical fitness facility “for the benefit of Fort Lewis soldiers dedicated to military readiness,” and added that the design contributions and functional insights of the Fort Lewis sports program managers – Jerry Weydert and Judson Lang - were vital to the design success.

Several dignitaries were on hand to commemorate the newly built gym in honor of the late Maj. Benjamin F.

Wilson, a hero of the Korean conflict. U.S. Senator Patty Murray said, “I’m honored we have come together to dedicate this center to a remarkable soldier, but we are also making sure that as all soldiers on Fort Lewis serve their country, they have the facilities and tools they need. This is an important time for the Army, a time to make sure that you are ready for new challenges.” From 1996 to 2000, Murray served as a member on the Appropriations Subcommittee for Military Construction.

The \$6.2 million Fiscal Year 2000 Athletic Project is on a space-constrained building site adjacent to an existing wooden gymnasium that looks like a large Quonset Hut, according to Project Manager Jim Clark. Both Yim Lee, as design lead on the project, and Ted Lewis, as construction manager, did “outstanding jobs,” he says. “Since Fort Lewis wanted to retain that building, our challenge was to build the new gym in a manner that favorably integrated the old with the new. Fort Lewis wanted the complex to appear “new” when viewed from 41st Division Drive.

Pam Yorozu’s landscaping and Jill Gough’s civil engineering are responsible for orienting the building on the site. The

design does a beautiful job of screening the old building.

Jerry Weydert, the Fort Lewis Sports program director, needed to be able to operate the combined sports facility efficiently, and asked the Seattle District team to provide a design solution that would support reasonable staffing levels.

“Yim came up with a brilliant solution working with Pam and Jill,” Clark adds. “He put a translucent lobby area between the two buildings allowing management staff to control and supervise both buildings.” Others who were vital to the design include Amy Brandt,

Cynthia Masten, Dennis Brandt and Simon Yang.

The Wilson Sports Center sits conveniently across the street from the new Fort Lewis barracks complex. The 32,000 square-foot gym has many features that soldiers enjoy, including brand new locker rooms, male and female saunas and separate weight rooms. It includes free weights, exercise machines, and regulation size gymnastic areas with a fully automated scoring system. It also offers programs like personal training. It’s a low-maintenance building with benches cantilevered off the walls for easy cleaning.

Clark explains that two brigade complexes including administrative buildings have been completed within the whole barracks renewal program.

“We have under design a brand new block and skipped a block in between to provide green space for development of walking and recreation trails as part of the well-conceived Fort Lewis master plan.”

About half the “E Block” brigade complex will be built in Fiscal Year ’02. Planning will then begin for the fourth increment using an innovative garden apartment concept. Kyle Shaw and the Fiscal Year ’03 barracks team are already fielding questions from other military districts about their Fiscal Year ’03 barracks design. The master plan calls for six or eight additional brigade complexes.



According to Corps figures, visitors' total trip spending during FY '00 totaled \$63.89 million for 2.6 million visitors.

Corps Recreation carries economic clout

By Steve Cosgrove

We all know that the Corps is in the recreation business. Most of us know of facilities here and there, but taken together, the holdings are staggering.

The Corps is the second largest provider of outdoor recreation within the federal government, just trailing the U.S. Forest Service. Corps recreation areas hosted over 360 million visitors in 1999 – 21 percent of total federal recreation visitation. We have 4,340 recreation areas on 456 lakes and waterways across the country.

If you think that packs a fairly large economic punch, you're right. Latest figures show that visitors nationwide spent over \$12 billion a year in recreation at Corps projects. Economic analyses showed that this benefits businesses which supply goods and services to Corps visitors by creating 187,000 jobs resulting in \$5 billion in employee income. The total economic effect of visitor spending associated with Corps recreation accounted for 0.4 percent of employee income and 0.5 percent of all jobs in the United States.

According to Bonnie Ecker, a senior outdoor recreation planner in Seattle District's natural resources management section, "In Seattle District, visitors total trip spending during FY '00, excluding durable goods, for their entire trip - not just in the area of Corps projects - totaled \$63.89 million for 2.6 million visitors."

Corps recreation is a power to be reckoned with. Recognizing this, the Corps' National Operation and Maintenance Program places recreation as a "business function," along with hydropower, navigation, environmental stewardship and flood control.

What comprises Corps recreation? In part, the Corps' Natural Resource Management Mission is to "conserve those natural resources, consistent with ecosystem management principles, while providing quality public outdoor recreation experiences to serve the needs of present and future generations." The mission goes on to say, "The Corps integrates the management of diverse natural resource components such as fish, wildlife, forests, wetlands, grasslands, soil, air and water with the provision of public recreation opportunities. The Corps conserves natural resources and provides public recreation opportunities that contribute to the quality of American life."

Translation: fishing, boating, water skiing, picnicking, hiking, camping, sightseeing, swimming, wildlife watching, interpretation services for nature and history – in a word FUN.

In Seattle District, that might mean playing the Albeni Falls Dam's Campground Survivor Game to test your skills in the wild. If you're at Libby Dam's Sunday Fun Day, there are games for the kids and cave tours in the dam, complete with cake and homemade ice cream. During Lake Washington Ship Canal's summer events you can listen to music from jazz to classical, watch salmon

migrating through the fish ladder, or lock through on your boat.

Bob Rawson, chief of the district's natural resources management section, notes, "Recreation is increasingly seen as an important business function. This is not only because of the tremendous economic benefits of the program, but also because of the opportunity it gives us to interact with a large percentage of the American population. Our interpretive services program helps educate the public as to the diverse missions of the Corps and their benefits to the country."

The growing recognition of Corps recreation as a potent economic force has brought with it a recognition that recreation needs are changing. Most Corps recreation facilities were constructed in the 1960's and 1970's to meet the public's needs at that time. Visitors' expectations have changed significantly. While the 1960's camper was looking for a tent site, the new millennium's camper is looking for a place to situate a large recreation vehicle. Over time, these facilities have aged and are in need of maintenance or renewal.

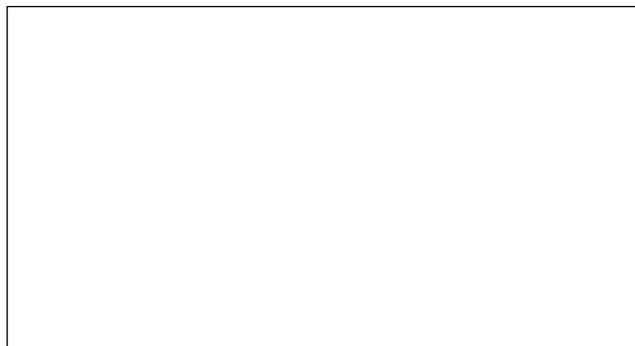
Natural resource and recreation managers have long recognized this need. Their answer is RAMP - the Recreation Area Modernization Program.

Seattle District outdoor recreation planner Jerry Gray says, "One of the main goals of RAMP is to meet customer needs with safe facilities that offer the high level of facilities and services the recreation visitor has come to expect from the Corps."

Through RAMP, the Corps is trying to obtain funding to complete a \$330 million modernization program for 225 Corps-managed recreation areas over the next five years. This modernization will use state-of-the-art materials and designs to reduce the cost of maintenance and help reduce the current maintenance backlog. Modern facilities will also enhance the visitor's willingness to pay user fees to help the Corps recreation program become self-sustaining.

What is biggest challenge to Seattle District's recreation facilities? Bob Rawson will tell you that "the greatest needs in Seattle District are to make our recreation areas accessible to all visitors, to modify our camp sites in order to better accommodate today's recreational vehicles, and to provide electric and water hookups for the camp sites."

Bob and the natural resources staff from Seattle to Libby, Mont., are hard at work making sure that our recreational visitors have a great place to play.



The Corps is the second largest provider of outdoor recreation within the federal government.

Sept. 11 memorials

Following the Sept. 11 atrocities, faiths found comfort and solace in gatherings at Seattle District led by Col. Ralph H. Graves, Commander.

A noontime voluntary assembly the day of the attacks found a number of employees leading in prayers in the Fairmont Room, where many had gathered earlier to see the unfolding events on television.

That Friday, Corps employees and service members brought flowers, poems, candles, pictures and prayers to a memorial bench near the gazebo. A crowd attended Seattle District's observance of the National Day of Prayer and Remembrance. Participants read Psalms of David and prayers and others gave testimonials of how the acts of war impacted their lives.

In keeping with Gov. Locke's proclamation, the attendees then observed a moment of silence.



Dicks visits Goldsborough Environmental Restoration Project

Story and photos by Leslie Kaye

Congressman Norm Dicks wipes his brow and lets out a jovial guffaw on the 85 degree August day as he surveys the former site of Goldsborough Creek, now filled with concrete, rebar, construction workers and large woody debris.

Highly instrumental in getting funding to make this vision a reality, Dicks says, "This is just good practice for the other ones to come." Even though the congressman is seeing the success of his own environmental initiative, it is apparent that the removal of Goldsborough Dam is not necessarily a sign to open the flood-gates on the dam breaching issue. The distinguishing factor - the dam was non-operable in any capacity for almost five years.

Based on the work-to-date, which is on-schedule and on-budget, the project resembles a salmon spawning playground and resort, and not only the fish win on this one. The cooperation between agencies (Simpson Timber; Seattle District, Corps of Engineers; Washington Dept. of Fish & Wildlife, et al.) is unparalleled. All agreed the

antiquated obstruction needed to be removed and the creek restored. Even the Corps' number one opponent, American Rivers, is in agreement with this project.

The healthy-sized creek includes root wads of a specific size and diameter, cable-tied to a concrete block. This bit of man-made assistance prevents the tree trunk from flowing downstream and ensures the fish have "little hiding places." They can thank Simpson Timber.

The long and windy, nature-assisted creation of 32 concrete, low-incline, salmon steps, gravel, rock and timber, promises to provide the fish with an ideal place to spawn and the local community with a great place to watch them. There are plans by Simpson for a small park.

The project is receiving more than just local political enthusiasm. There is strong interest from Japanese water resource and environmental agencies, as well as Japanese television. A documentary to be taped this fall, emphasizing the ecosystem restoration aspect is planned for airing on five Japanese stations.



Top: Lt. Col. Mark Holt and Project Manager Mike Padilla observe site activities as Jim Fraser, Washington Dept. of Fish and Wildlife habitat biologist, explains the benefits to fish to Congressman Norm Dicks. Chris Hall, Quality Assurance manager, listens. Bottom: Contract workers complete the final phase of the upper portion of the Goldsborough Creek environmental restoration site. Root wads and scientifically engineered riprap line the area.

Corps contractor, Stan Palmer Construction, says the work will be complete by the first week of October, and an opening ceremony will soon follow.



During a Town Hall meeting, new Northwestern Division Commander, Col. (Promotable) David A. Fastabend banters with Seattle District employees such as gen-x Dave Grant, left, Environmental Resources Section. The colonel, who lives near Fort Lewis, visited Seattle District in September. He was in the same West Point class as Seattle District Commander Col. Ralph H. Graves.

Retirements

A short story about a long career

Attached to the Army in one way or another for most of his life, **John Haddick's** first jobs were as a commissary bagger, a pinsetter and a gas station attendant at Fort Lawton, Wash. That was back in the late '50s to mid-'60s.

And last month he retired as the Resident Engineer, Fort Lewis Area Office, Seattle District. Just prior to that John was the Resident Engineer on the Whole Barracks Renewal Project, one of the biggest and most spectacular design and construction jobs the district has been involved in.

Ask him a favor, ask him to take you on a tour of the barracks project, ask him to guide a Tacoma News Tribune reporter around the Special Forces project and give her an interview. He did it all and much more. What was really helpful, and everyone considers John Haddick to be more than just an agreeable fellow, was his marvelous collection of electronic photos of Seattle's military jobs, which he expediently sent your way when you asked.

His father went on active duty as World War II heated up so John

traveled the country to many military installations and to Bremerhaven, Germany. The family ended up at Fort Lawton where John elected to remain to

receive a degree in ceramic engineering from the University of Washington.

He completed Army ROTC and was commissioned in the Corps as a second lieutenant. He began his active duty career at Fort Belvoir, Va., and again traveled the world with his wife and now growing family. His last active duty assignment was at the Defense Language Institute in Monterey, Calif., after 15 years of active duty. As a civilian, he landed his first Corps job in

the Fort Worth District, but he was "rescued from the Texas heat" within two years when Jim Lonsford brought him into the Fort Lewis Area Office.

John remained with the U.S. Army Reserve, retiring in 1997 with the rank of full colonel as Deputy Commander, Readiness, HQ Northwestern Pacific Division at the Corps facility in Portland, Ore.

In August John was toasted at a farewell dinner, which Project Manager Jim Clark describes as one of the most moving events he has attended with many heartfelt sentiments expressed by all.

Adieu to Rose Lenda

The stately lady you've seen around the district (particularly the Design and Specification Branches) for 19 years is **Rose Lenda**. She escaped from the Czech Republic with her husband more than three decades ago, and in August she retired from Seattle District as a civil engineer. But there is more to the story.

Tom and Rose Lenda left Prague on a pretense of taking a European holiday in 1969, and eventually landed in Australia where they lived for six years. When the United States immigrant quota dropped, they were able to come to this country where they settled in Seattle.

They both have similar educations. Tom has a engineering degree from the Czech University in Prague and another degree in construction management. Rose studied at the University of Prague earning a civil engineering degree. They ran a small construction firm in Lake City, and then in 1982, Rose began her career with Seattle District as a temporary employee in the Structures Branch. She spent a few years in Seoul, Korea, working for the Corps and returned to the district where she worked in Planning and Projects Management.

Obviously a physical fitness guru, Rose took advantage of the fitness center at Federal Center South.

Monson moves on

Bob Monson (aka Bilbo Baggins) retired from Seattle District Aug. 31 after 30 plus years of federal service.

He was chief of Architecture Section for 10

of his years with the district, and he retired as the Project Manager for the Reserve program.

"When Bob went to work for the Army Reserve program, you could tell he had found something that suited him," Army Program Manager, Jim Clark said. "The Reserve weren't totally happy with the Corps before, but Bob worked very hard to turn that relationship around. We now have a good, positive relationship because of Bob."

Cheryl Anderson, Military Contracts Unit manager, added that "as a PM, Bob was always very customer focused. He was always fun to work with and his customers loved him."

Bob served Seattle District in many areas including functioning as program manager for chemical demilitarization at Umatilla Army Depot, Assistant Chief, Programs and Project Management Division, Program Manager for the district's Defense Environmental Restoration/Formerly Used Defense Sites and Installation Restoration programs, Family Housing, Installation Support Program, BRAC Restoration Program and Non-Appropriated Funds program.

Bob's service with Seattle District began in 1973 when Ozzie Schmidt hired him to work in the AE Coordination Unit of Design Branch.

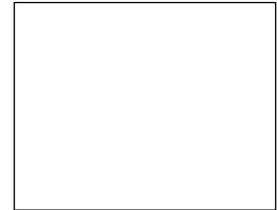
In this role, Bob was responsible for selection and procurement of International Artists for the Libby Dam Treaty Tower competition. Bob was also in charge of the negotiation team for the AE contract for design of Madigan Army Medical Center - the largest AE contract ever awarded by the district.

Goodbye

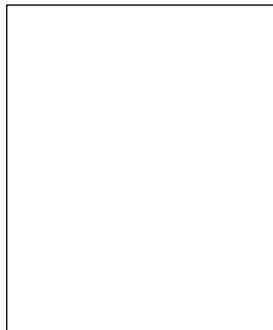
To Olton and Kerri Swanson who have taken new positions with Alaska District.

Olton most recently was chief of the district's Military Projects Branch; Kerri has been closely associated with the Survey Section for a great part of her career.

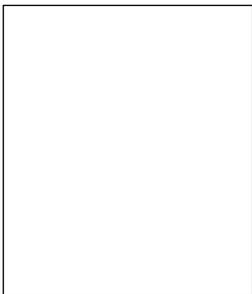
The Swansons have three children.



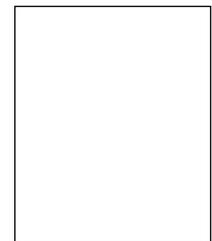
Monson



Lenda



Haddick



Swansons

In Memoriam

Longtime Corps employee and retiree, **Betty Chase** died July 13. She served as secretary to the District Engineer for 30 years. Later she was promoted into the position of Records Manager and established a "robust program" according to Leslie Malek who worked with Betty for four years.

Leslie calls Betty a "lovely, talented and accomplished lady." She was also very active in the Retirees' Association.

Clarence Upshaw died May 3. He lived in Bellevue, Wash. He was born in Forrest City, Ark., in 1911 and is survived by his wife of 56 years, Ruby Mae Upshaw. In 1950, Clarence attended Washington State University in Pullman, Wash., and then went through a drafting program at Edison Technical College. Shortly afterwards, he was hired by the Seattle District, Army Corps of Engineers, where he worked as a draftsman. He also worked at nights at the Port of Seattle, Pier 56, and designed and built a home for his family.

Former Seattle District employee **Austin Spearman** died in early August of natural causes. Austin retired in 1996 after many successful years of service in the Engineering and Operations Divisions. He follows his loving wife, Marguerite, after one year.

Ralph Follestad died Aug. 29. He was 83. He served as an engineer at the Hiram M. Chittenden Locks for 33 years, many of those years helping to establish fish ladders and botanical gardens. Last February the Follestad family celebrated their 60th anniversary.

Jean M. Schaumburg, 85, died Sept. 5 in Seattle. She was born in

Ballard and graduated from Ballard High School. She worked as an office manager for Seattle District for many years.

Speaking Out

Kira Lynch gave a number of presentations on panels regarding the Corps' environmental program at these conferences: EPA National Remedial Project Managers meeting in July; the EPA National Site Assessment meeting in May; an International Conference on the use of Field Measurement Technologies May 14 to 17 at Karlsruhe, Germany; an Army Corps of Environmental conference, April 16 to 20; and a Corps Chemist Meeting in March. In addition, she taught several Internet seminars entitled Dynamic Data Collection Strategy Using Systemic Planning and Innovative Field-Based Measurement Technologies. See <http://www.cluin.org/studio/seminar.cfm> for particulars.

At a three-day NWD Administrative staff conference July 17 to 19, **Judy Smith** conducted a session on Myers-Briggs Indicator and Strength Development instrument.

Ernest Gomez presented a lecture July 9 at Highline Community College entitled "Understanding Earthquakes." The lecture was part of the Extended Learning Summer Series and was attended by 75.

Retirees

Don Nelson and George Lundstrom, retirees of the Seattle District, are participating in the Silver Sneakers exercise program at the Bellevue YMCA. This is part of the physical fitness program offered through a health organization to keep senior citizens healthy and active.

For more information call George at 425-643-7786. He retired from the Mechanical Design Section.

Best wishes

To **Susan Price and Janet Olson**, from Contracting Division, who have joined the ranks of a few other district employees and have gone to work for the FAA.



Price and Olson



Wildlife Day at the Locks

On Aug. 11 the Cedar River Naturalists talked to visitors at the Fish Ladder, and the Northwest Trek Wildlife Park displayed information about wildlife at their facility. Pictured here a falcon which has been injured and can't be released. Sarvey Wildlife Rescue Center director Kay Baxter shows off this falcon for delighted spectators.

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