

Flagship

SEATTLE DISTRICT

Flipping the White River

Volume XXXV
No. 2

Flagship

SEATTLE DISTRICT

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Cover:

U.S. Army Corps of Engineers contractor Kiewit Infrastructure West Company breached the Phase 1 cofferdam, allowing the White River to flow through new barrier gates 3 and 4 at the Mud Mountain Dam Fish Passage Facility construction site May 28.

Kiewit began construction a year ago to transport Endangered Species Act-listed and other fish around the dam near Buckley, Washington.

Photo courtesy of Kiewit Infrastructure West Co.

Flagship

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Rod Zion:

This Flagship is for you

Rodney (Rod) Zion heads up the Eastern Environmental Office in Coeur d'Alene, Idaho, which is part of the Spokane Resident Office. He is currently the only district employee located in this field office, so he covers a lot of bases. Rod supports the district's Interagency and International Services (IIS) mission by working on EPA Superfund remediation projects in Idaho's Silver Valley. Rod's work centers on a complex \$50 million project to capture and treat metals-contaminated groundwater that would otherwise pollute the South Fork Coeur d'Alene River. Thank you, Rod!



Reflecting Back and Driving Forward

The Core of our District's Strength & Resiliency

Each summer in Seattle District we celebrate Corps Day to mark the June 16, 1775, date when the Continental Congress first organized an army with a chief engineer and two assistants.

Army engineers were instrumental in some of the key battles of the Revolutionary War including Bunker Hill, Saratoga, and the final victory at Yorktown. At the end of the Revolutionary War, the engineers mustered out of service.

It was in 1802 that Congress reestablished a separate permanent Corps of Engineers. From the beginning, many politicians wanted the Corps to contribute to both military construction and works "of a civil nature."

Throughout the 19th century, the Corps supervised the construction of coastal fortifications and mapped much of the West with the Corps of Topographical Engineers (a separate Corps from 1838 to 1863). The Corps of Engineers also constructed lighthouses, helped develop jetties and piers for harbors and carefully mapped the navigation channels.

I share this history with you as context for our Vision today. "Excelling in a dynamic environment" reflects the fact that what we do as a district and as an agency has changed through time and continues to evolve.

Over time as Congress passed new laws, they gave us new authorities. Rivers and harbors acts led to jetty and breakwater construction, flood control acts led to dam construction, the Clean Water Act led to increased regulatory jurisdiction and water resources development acts led to ecosystem restoration projects. Since then, the Seattle

District has taken on any challenge asked of us.

We've built jetties that continue to serve a critical navigation function at Grays Harbor, built dams like Mud Mountain (which has prevented more than \$3 billion flood damage), processed more than 1,000 permit applications a year and restored crucial fish and wildlife habitat around western Washington.

We've established a reputation for delivering strong, and we continue to get new missions as a result.

When you look at some of the tasks we've tackled recently or are beginning now, they may not seem like traditional USACE work. Missions like helping Puerto Rico restore its power, overseeing hospital renovations for the Veterans Administration and working on border security aren't missions we could have envisioned even just a few years back.

It is because of your hard work and dedication to keeping your commitments that USACE leadership continues to send work our way. Visiting dignitaries have confirmed to us that we now have a reputation for getting the job done no matter what the task.

As we look toward the last quarter of the fiscal year, when many of you are pushed beyond routine schedules and expectation, I want you to know that your hard work is noticed and appreciated at the highest levels.

I know that along with executing our traditional work, you'll continue to step up and solve new problems both here in the Northwest and deployed to wherever we are called, from Poland to Puerto Rico, Missouri to Arizona.

This Corps Day, I ask that you look back and reflect on our past successes as a district, and use that experience to inspire new triumphs that lie ahead.

-Delivering Strong for the Pacific Northwest!



**Seattle District Commander
Col. Mark A. Gerald**



Fish Passage Facility reaches milestone

By Bill Dowell
Public Affairs

U.S. Army Corps of Engineers contractor Kiewit Infrastructure West Company breached the Phase 1 cofferdam, allowing the White River to flow through new barrier gates 3 and 4 at the Mud Mountain Dam Fish Passage Facility construction site May 28.

Kiewit began construction a year ago to transport Endangered Species Act-listed and other fish around the dam near Buckley, Washington.

The contractor completed diverting the river from the right bank to the left bank, transitioning to Phase 2, a major construction milestone for the project. They're now constructing the Phase 2 cofferdam and will begin working on gates 1 and 2, and the fish collection and sorting facility.

The Corps is pursuing an aggressive schedule to minimize risk to ESA-listed species. Recent years have seen large increases in the White River Chinook run. The last three years, 2016-2018, have seen the best runs in 71 years of return records. With historical lows of only a few dozen



View the Flipping the River Phase 1 video on Seattle District's YouTube channel at www.youtube.com/SeattleDistrictUSACE.

fish 20 years ago, runs consistently averaged 1,565 in the early 2000s. The average for 2010-2015 was 4,486. The 2016-2018 totals were: 2016 - 9,347; 2017 - 16,271; and 2018 - 8,061.

The spring Chinook run is currently ongoing. If you'd like to follow along, visit <https://www.nws.usace.army.mil/Missions/Civil-Works/Locks-and-Dams/Mud-Mountain-Dam/Fish-Counts/>.

2019 Mud Mountain Dam Fish Passage Counts



US Army Corps of Engineers
Seattle District

Week Ending	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Weekly Totals	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date	
6/22/2019	16-Jun	17-Jun	18-Jun	19-Jun	20-Jun	21-Jun	22-Jun															
Number of Trips	1	1	1	1	1	1	1	6	2	8	14	14	16									54

Chinook		Wild Adults	Wild Jacks	Acclimation Pond Adults	Acclimation Pond Jacks	Hatchery Adults to Hatchery	Hatchery Jacks to Hatchery	Hatchery Adults Hauled	Hatchery Jacks Hauled	Broodstock Taken to Hatchery	Unsampled Chinook Adults	Unsampled Chinook Jacks	Year to Date	
819 Total Count		7	4	4									60	
			2			2						1	8	
		53	54	40	6	3	18	174					480	
		2	3	3		1		9					14	
		26	25	19	7	7	10	94					223	
		3					1	4					15	
		2						2						5
			1					1						6
			1	1				2						2
													4	4
													2	2

Steelhead		Wild Adults	Wild Jacks	Hatchery fish to Hatchery	Broodstock Taken	Coded Wire Tag	Year to Date	
547 Total Count							447	
					14	10	24	
					1	15	39	21

Other		Coho	Pink	Chum	Sockeye	Char	Whitefish	Cut Throat Trout	Rainbow Trout	Year to Date			
0 Coho Total Count													
0 Pink Total Count		20	12	5	7	6	11	61		177			
									1	6	42	128	
									9	11	9	16	22
											2		2

Discover Your Northwest (DYNW) Executive Director Jim Adams (left) and board member Christy McDanold (right), talk with Seattle District Commander Col. Mark Gerald in the Carl S. English Botanical Garden. DYNW received the U.S. Army Corps of Engineers 2018 Excellence in Partnerships Award as a key partner of the district's Hiram M. Chittenden Locks.

Partnerships key to reaching goals

By Bill Dowell
Public Affairs



The U.S. Army Corps of Engineers' Hiram M. Chittenden Locks, locally known as the Ballard Locks, is one of Seattle's top tourist destinations.

Each year, hundreds of thousands flock to the more than century-old locks to wander atop the gates and lock walls, marveling at the engineering feat, watching vessels transit from Lakes Washington's and Union's fresh waters to Puget Sound's salt waters, and back. They visit the fish ladder to view salmon migration, and walk among plants from around the world in the Carl S. English Jr. Botanical Garden.

"It truly is a magical place to visit," said Discover Your Northwest (DYNW) Executive Director Jim Adams. "It holds a special place in my heart."

DYNW and Adams have been key partners at the locks for decades. The Seattle-based nonprofit was selected for the U.S. Army Corps of Engineers 2018 Excellence in Partnerships Award. "It is without question their contributions have helped make the Ballard Locks a top Seattle destination spot," said District Partnership Program Manager Alana Mesenbrink.

The large nonprofit serves more than just Corps facilities in the Pacific Northwest and operates in Washington, Oregon, Idaho, California and Montana. They serve national park sites, national forests and many others. Yet, according to Mesenbrink, DYNW dedicates time and energy to each project as if it was their only partnership.

Adams was personally involved in supporting nine months of special activities held in 2017 for the Locks Cen-

tennial commemoration. DYNW was the first partner and Adams was a key member on the centennial planning team.

Even while the centennial festivities were going on, Adams and another partner, The Corps Foundation, and its Founding Director Rich Deline, were working on the next project at the Locks – a \$1 million fish ladder viewing area renovation.

"It's been nearly 50 years since the fish ladder was updated, and the current exhibits and space is simply worn out and out of date," said Deline.

The Corps' natural resource management mission needs these types of collaboration, according to Mesenbrink. The challenges facing this mission require a new way of doing business to ensure the Corps is meeting public needs.

"Our partners and volunteers are organizations and people who want to give back to their communities and are interested in being involved in the Corps natural resource management program," Mesenbrink said. "While not a substitute for Corps resource management, they help accomplish programs and activities when funding isn't available and wouldn't normally be performed."

The value of the partnerships is about more than just money. "It's about building community support and constituencies," she continued. "Whether it is an environmental ethic, a love of parks, or enthusiasm for the outdoors, these partners and volunteers share their expertise, resources, time and energy to work together toward common goals."

Reconnecting with nature

By Kasey Krall
Public Affairs

Seattle District Army Corps of Engineers headquarters building is a unique and modern structure, and one of its many dynamic features is the indoor landscaping beds filled with live greenery.

On March 11, Tacoma-based company SS Landscaping Services began staging approximately 850 plants in the Se-

attle District headquarters building. Groundcover varieties planted were Button fern (*Pellaea rotundifolia*), grape ivy (*Cissus rhombifolia* 'Ellen Danica') and Big Blue (*Liriope muscari*). Planting, including an additional 18 Ficus Moclame trees (*Ficus microcarpa*), was completed by March 22.

The re-greening of the Oxbow Building was highly inquired about and anticipated by many of the building's occupants who enjoyed having the plants in the indoor environment the first time around.

The trees, grass, ferns and ivy were part of the original GSA contract to have live plants within the indoor landscape of the Oxbow. The first installation of plants was in 2012. "There was extensive work in determining which plants were best

"Always surround yourself with as many plants as possible."

Left: Planting wraps up with the addition of the Ficus Moclame trees.
Below: Button ferns thriving in the indoor landscape.



Left: Nevada Smith of SS Landscaping carefully removes ivy from containers and places it into the landscape.
Below: Kiki Soto of SS Landscaping pre-stages Button ferns to ensure even placement.
Bottom: Green Team Leader Brian Wilson (left) and GSA Property Manager Rick Gordon plant and dedicate the last ficus tree during a ceremony in honor of Earth Day April 3.



for our indoor environment, so GSA decided to go with as much of the original design as possible," said District Logistics Chief Chris Garcia.

The current plan for the plants has been updated and includes new features to help ensure the plants' survival. GSA has added a training portion to the contract which will provide training of the grounds maintenance crew by the contractor. This new training will allow the crew to prune and maintain the interior plants and monitor water levels, pH balance and acidity.

Better irrigation system management will also play a role in providing the plants with an environment they can thrive in. The toilets, stone water features, and plant irrigation hoses receive water from the rain capturing system. An underground cistern can store up to 25,000 gallons of rain water. During the rainy season, it will fill to capacity; once used up, the water supply will switch over to public utilities.

As Regulatory Branch Ecologist Andrew Shuckhart put it, "Always surround yourself with as many plants as possible. Everyone has heard they benefit air quality, but they also moderate temperature and can soften the harsh fluorescent office lighting. Frequent contact with plants measurably improves your mood and decreases stress, and we could all stand to connect with nature more often."

For more about the highly energy efficient Oxbow Building, visit <https://www.zgf.com/project/u-s-general-services-administration-federal-center-south-building-1202/>.



Protecting cultural site, minimizing impacts

By Scott Lawrence
Public Affairs

When erosion threatened a National Register-eligible archaeological site on Idaho's Pend Oreille River, a Seattle District, U.S. Army Corps of Engineers' team went the distance to stabilize the bank and minimize construction impacts to adjacent wetland habitat.

"This is an important project because once we lose an archaeological

site it's lost forever, along with all the information it contains," said Kara Kanaby, project archaeologist.

The bank stabilization work itself was pretty straightforward – armor 2,000 feet of shoreline with 5,000 tons of riprap and install a willow lift about one foot above the Carey Creek Wildlife Management Area ordinary high water line. Getting to the construction site, however, presented a challenge.

After efforts stalled to gain right-of-way access over private land, the team was forced to select an alternate route.

"In the end we decided to use a field on Kalispel lands," Kanaby said. "It wasn't our first choice because of the distance we had to cross, but working with the Kalispel Tribe was great."

Had the Corps gained the desired real estate easement, construction crews would've used existing paved roads before crossing about 60 feet of private land to access the site. With the alternate route, however, crews would have to traverse nearly a half-mile over a field and wetland habitat.

To avoid damaging the landscape with heavy equipment, construction work occurred during winter months when the ground was frozen and the team continued looking for inventive solutions to mitigate damage even

further.

"We were still concerned about leaving deep gouges and ruts in the land and then having to come back to remedy that," Kanaby said. "So the team brainstormed and came up with wetland mats."

Resembling heavy-duty wooden pallets, the wetland timber mats were lined up end-to-end over 2,600 feet, creating a path for construction equipment and providing a protective layer for the ground beneath.

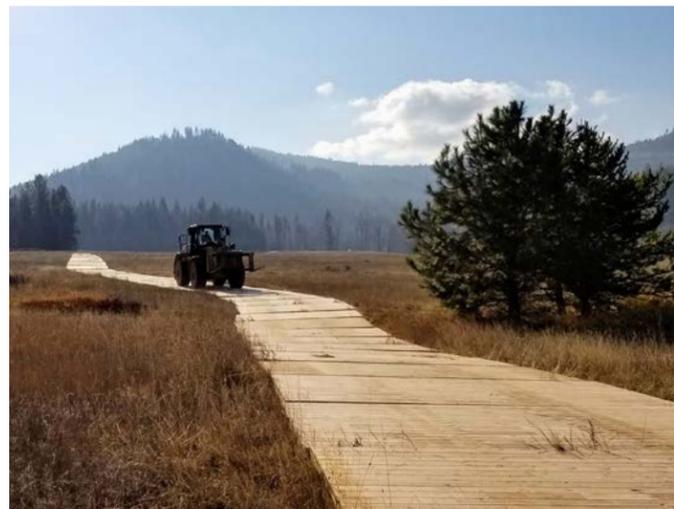
"They worked wonderfully! I was there when they were being removed and the grass was just folded over," Kanaby said. "There were a couple of wet spots, but no deep gouges or damage to the ground. I'd definitely use them again."

After completing bank stabilization work in January, Corps representatives returned in April to plant 1,500 native

Left: Natural Resource Specialist Kyle Mundy plants a Red Osier Dogwood on the bank for stabilization. (photo by Beth McCasland)

Left bottom: Carey Creek access road prior to beginning of work. (photo by Craig Brengle)

Below: A Caterpillar 950 Wheel Loader navigates a wetland mat road, transiting a compound curve and variable elevation. (photo by Tony Doersam)



Top: Construction of shoreline protection progresses Dec. 15. (photo by Kevin Lyons)

Bottom: Thomas Long, an IDFG wildlife habitat technician, plants Red Osier Dogwood on the bank for stabilization. (photo by Beth McCasland)



shrubs intended to attract pollinators such as bees and hummingbirds to the wetland habitat.

The plantings included a special gift from Idaho Department of Fish and Game (IDFG) which handles the site's wildlife management – 21 showy milkweed plants.

"One of the folks from IDFG is a huge monarch butterfly fan and grows his own milkweed which is a food source for butterflies," said Albeni Falls Dam Natural Resource Specialist Betsy Hull. "So we took those gifted plants and created a milkweed patch on the backside of the stabilization."

In addition, Albeni Falls Dam purchased 200 common camas plants to supplement naturally-growing camas on the 56-acre wetland site.

"Carey Creek is where Tribes would gather and cook camas, a traditional staple of the Native American diet," Hull said. "They still use the area as

a meeting site so we wanted to add some camas back to the landscape. Jill Wagner and Nick Kager of the Coeur d'Alene Tribe of Indians volunteered their time to help with the effort and planted the camas plants."

The \$600,000 project was funded by Bonneville Power Administration (BPA) through the Federal Columbia River Power System mitigation program.

Throughout planning and construction, the Seattle team coordinated with BPA, IDFG, Idaho State Historic Preservation Office, the Kalispel Tribe, Coeur d'Alene Tribe, Kootenai Tribe of Idaho and the Confederated Salish and Kootenai Tribe of the Flathead Indian Reservation.

"It was really fulfilling to protect such an important archaeological site and come up with a unique plan to safeguard this important cultural landscape while doing it," Kanaby said.

Mission complete, deployees returning from Iraq



Above and below left: Lt. Col. Andrew Olson in front of the Mosul Dam spillway, releasing about 105,000 cubic feet per second, which is more than Niagara Falls.

Left: Steve Kelley during a project coordination meeting.

Below: Steve Kelley gives a tour of Mosul Dam to Transatlantic Division Commander Col. (P) Mark Quander, Command Sgt. Maj. Randolph Delapena, MDTF Commander Col. Philip Secrist, and Deputy District Engineer for Programs and Project Management Tambour Eller.

By Seattle District and Transatlantic Division Public Affairs

Seattle District Deputy Commander Lt. Col. Andrew Olson and Joint Base Lewis McChord Area Engineer Steven Kelley recently served as part of the Mosul Dam Task Force in Iraq, which



commemorated mission completion by holding a ceremony June 15.

The Mosul Dam Project was a three-year partnership started in 2016 as a joint venture among the Iraq Ministry of Water Resources, the U.S. Army Corps of Engineers, and Italian company Trevi S.p.A. in an effort to stabilize and repair the dam, and update the dam's infrastructure.

Mosul Dam, Iraq's largest dam and the fourth largest in the Middle East, is located along the Tigris River some 250 miles from the country's capital of Baghdad.

Olson served as the task force's deputy commander and discussed what he liked most about working in Iraq.

"I don't think you can replicate anywhere else the level of complex problem solving and service to the nation that the Corps of Engineers provides," said Olson. "For MDTF specifically, you know you're having an impact when both the Government of Iraq and the contractor beg to have



the MDTF stay in country longer."

Steve Kelley, who served as MDTF Resident Engineer said, "I found it most rewarding working with USACE professionals from around the country at the Mosul Dam. We had engineers from the Government of Iraq-Ministry of Water Resources and the Italian contractor Trevi S.p.A all coming together to complete the rehabilitation of Mosul Dam – a project critical to millions of Iraqi citizens."

Promoting Summer Season Water Safety

By USACE HQ

Summer is almost here and that means millions of Americans will be planning visits to our nation's lakes and rivers. As the steward of many of these public waters, the U.S. Army Corps of Engineers (USACE) reminds visitors to be aware of the importance of practicing safe, sensible and thoughtful activities in and around the water.

Tragically, several people lose their lives while visiting USACE lands and waters every year. The majority of the tragedies are water-related. The public's help is needed to reduce the number of fatalities at the more than 2,800 USACE-managed recreation areas nationwide. USACE personnel stress the importance of water safety year-round when talking with visitors, but especially during the summer season because that is when most public recreation fatalities occur.

People of all ages are strongly encouraged to practice water safety this summer. Before entering or being around the water, keep these five things in mind because they could save your life or the life of someone you care about.

- **Expect the unexpected** – Accidents can happen within seconds, so always be prepared for the unexpected. If you are ejected from a boat, fall, or jump into water that is colder than 70 degrees you can inhale water from involuntary gasping, hyperventilation, panic, and sometimes vertigo that can cause you to drown. You can also

be knocked unconscious if you are ejected from your boat or fall into the water along the shoreline while fishing.

- **Wear a life jacket** – By providing time to be rescued, it will help ensure you survive an unexpected fall into the water. It can also save your life if you become exhausted due to fatigue, waves, or current while swimming. An adult can drown in 60 seconds and it takes a strong swimmer 10 minutes to put on a life jacket after entering the water. Life Jackets Worn...Nobody Mourns.
- **Know your swimming abilities** – Be aware that swimming in natural waters such as a lake, river, or pond is different from swimming in a pool, and your swimming ability decreases

with age. It is never too late to take swimming lessons and learn to swim well. Several people every year drown swimming to retrieve boats and toys. Let those go because they are not worth losing your life over.

- **Alcohol and water are a deadly combo** – Alcohol induces an inner ear condition (caloric labyrinthitis) that can cause you to become disoriented when underwater and not realize which way is up. If you jump or fall in the water you can become disoriented and swim down instead of up to safety, causing you to drown. This can more likely happen if you have been consuming alcohol.
- **Understand “boater’s hypnosis”** – it is a condition brought on by the effects of sun, wind, noise, vibration, and motion experienced during a day of boating. Boater’s hypnosis can slow your reaction time almost as much as if you were legally intoxicated. Adding alcohol to this condition intensifies the effects.

Learn more water safety tips by visiting www.PleaseWearIt.com and following Please Wear It on Facebook, Instagram, and Twitter.

USACE is one of the nation's leading federal providers of outdoor and water-based recreation, managing more than 400 lake and river projects in 43 states and hosting some 250 million visits per year. With 90 percent of these recreation areas within 50 miles of metropolitan areas, they provide a diverse range of outdoor activities close to home and to people of all ages. For more information on USACE recreation sites and activities, visit www.CorpsLakes.us.



Seattle District deploys to Midwest flood fights

By Dallas Edwards
Public Affairs

The U.S. Army Corps of Engineers provides world class assistance for natural disasters when called upon.

Sometimes, when manning or resources are overwhelmed, Corps districts step in to assist other districts when needed. The Missouri River experienced historical flooding this year and Seattle District deployed five employees to Kansas City District for flood fighting efforts.

“Seattle District frequently assists local sponsors with flood response and our Emergency Operations Center staff and responders are considered subject matter experts,” said Emergency Management Branch Chief Doug Weber. “Several Corps districts along the Missouri River requested our support because our team has expertise in managing an EOC and responding to flooding.”

The deployed members included Civil Engineer Charles Ifft, levee safety expert, and Emergency Management Specialist Jennifer Brito. Shawn Masters, Mike Wevodau and Jeff Wood deployed

to transport and operate the district’s sandbag machine.

“The Seattle team was asked to support the flood fighting operations in the area. We had field teams assisting locals with sandbag filling and office staff working in the Kansas City District’s EOC day and night,” explained Ifft. “We also provided field monitoring of levees that were critically loaded and had been for many weeks.”

Ifft also discussed the performance of the levees in that area.

“The farmers put in a valiant effort, but in the end, there was just too much water,” said Ifft. “Their levees are very long and access can be challenging in a flood fight. The levees were performing very well initially, but eventually the water overtopped many of them and they failed.”

The EOC was very busy

Right: The Missouri River recently experienced flooding, which damaged several levees in the Midwest. (Courtesy photo)
Bottom: Kansas City District’s Missouri River Area Office flooded. (Photo by Michael Wevodau)



when the assistance arrived and Seattle District’s Brito provided some relief.

“Kansas City District’s EOC was operating at 24-hour staffed operations,” explained Brito. “I deployed for two weeks to help support and relieve Kansas City Emergency Management staff on the night shift so that they could go home and rest.”

“They were monitoring several dams overnight and needed EM, Engi-

neering and Operations in the EOC for communication and tracking,” Brito added.

In addition to EOC and levee support, Seattle District brought in a sandbagging machine to help with the flood fight. The sandbag machine was featured on local newscasts and was appreciated by the communities it assisted.

“The machine is an automatic sandbag filler,” said Wevodau. “There is a generator, tool box, air compressor and tank, hydraulic controls, hopper, conveyor belts, and filling station.”

It greatly increased sandbag production in the areas it was used.

“It is capable of producing 1,440 sandbags an hour as recorded by the Air Force Nation-

al Guard, Wevodau explained. “The typical [output level] is 1,000-1,200 sandbags per hour.”

The team was impressed with the community collaboration that took place during their deployment.

“Shaun and I were able to work side by side with local volunteers, Air Force National Guard, Army Reserve members, Army National Guard members, currently incarcerated individuals, law enforcement, farmers, state DOT, and many other wonderful people,” said Wevodau. “Kansas City District’s personnel were amazing and their hospitality was second to none!”

Weber was proud of his team’s efforts.

“The Seattle District team that supported the Missouri flood response efforts did an outstanding job,” said Weber. “The feedback from the districts we supported and local sponsors was very positive.”

Top: Mike Wevodau and Shawn Masters with the district’s sandbag machine. (Courtesy photo)
Left: Jennifer Brito and Charles Ifft work in the Kansas City District EOC. (Photo by Brigida Sanchez)



2019 Free summer concerts at the Locks

June

Boeing Employees Concert Band

1 Saturday, June 1 @ 2:00 p.m.

Emerald City Saxophone Quartet

2 Sunday, June 2 @ 2:00 p.m.

Barneleikarringen

8 Saturday, June 8 @ 2:00 p.m.

Highline Community Symphonic Band

9 Sunday, June 9 @ 2:00 p.m.

Musica Molida

15 Saturday, June 15 @ 2:00 p.m.

Mustangs Northwest at the Locks

16 Sunday, June 16 @ 2:00 p.m.

Elliott Bay Pipe Band

16 Sunday, June 16 @ 2:00 p.m.

Clayton Productions

19 Wednesday, June 19 @ noon

Eastside Modern Jazz

22 Saturday, June 22 @ 2:00 p.m.

Cascadia Big Band

23 Sunday, June 23 @ 2:00 p.m.

Greenwood Concert Band

29 Saturday, June 29 @ 2:00 p.m.

85th Street Big Band

30 Sunday, June 30 @ 2:00 p.m.

July

Seattle Civic Band

4 Thursday, July 4 @ 2:00 p.m.

Around the Sound Band

6 Saturday, July 6 @ 2:00 p.m.

Puget Sound Daylily Club Blossom Show

7 Sunday, July 7 @ 10:00 a.m.

Ballard Sedentary Sousa Band

7 Sunday, July 7 @ 2:00 p.m.

Letter Carriers Band

13 Saturday, July 13 @ 2:00 p.m.

West Seattle Big Band

14 Sunday, July 14 @ 2:00 p.m.

Kirkland Civic Orchestra

20 Saturday, July 20 @ 2:00 p.m.

Greenwood Concert Band

21 Sunday, July 21 @ 2:00 p.m.

High Class Brass Quintet

27 Saturday, July 27 @ 2:00 p.m.

Greater Seattle Fuchsia Society Flower Show

28 Sunday, July 28 @ 10:00 a.m.

Coal Creek Jazz Band

28 Sunday, July 28 @ 2:00 p.m.

*Dates and times are subject to change without notice.
For more information, visit
<https://www.facebook.com/ChittendenLocks/>
or <https://go.usa.gov/xQyNn>*

August

Pacific Cascade Big Band

3 Saturday, August 3 @ 2:00 p.m.

Seattle Solid GOLD

4 Sunday, August 4 @ 2:00 p.m.

Batucada

10 Saturday, August 10 @ 2:00 p.m.

Mach One Jazz Orchestra

11 Sunday, August 11 @ 2:00 p.m.

Microsoft Jumpin' Jive Orchestra

17 Saturday, August 17 @ 2:00 p.m.

Professor Gadget Sax Quintet

18 Sunday, August 18 @ 2:00 p.m.

Lynnwood Community Band

24 Saturday, August 24 @ 2:00 p.m.

The Tempos

25 Sunday, August 25 @ 2:00 p.m.

STRUM

31 Saturday, August 31 @ 2:00 p.m.

September

The Jazz Pearls

1 Sunday, September 1 @ 2:00 p.m.

Michael Clune & Moondance

2 Monday, September 2 @ 2:00 p.m.

Congratulations:

Ginny Dierich was selected as the new permanent district deputy project manager (DPM).

David Cook, Ian Pumo and **Ben Puyleart** passed their Professional Engineer (PE) Exams in April.

Chad Zagar passed his FE Mechanical Exam in May.

Sid Jones was selected as deputy district engineer for Project Management for Task Force Barrier.

FY19 2nd Quarter Awards recipients were recognized at the Town Hall on Apr. 11.

Mission Support Assistant **Joan Yi** was selected for the Up to GS-09 category, Natural Resource Specialist



Betsy Hull was selected for the GS-10 and Above category, and the selected supervisor was Civil Engineer **Tom Parsons**.

Retired/Moving On:

- Tauseef Badar**
- Scott Campbell**
- Kenneth Dean**
- Scott Diehl**
- Galen Freed**
- Tom Garity**
- Christian Jordan**
- Linda Lamb**

- Michael Olinger**
- Marina Pascual**
- Anita Robinson**
- Daniel Robinson**

Deployed:

- Mamie Brouwer**
- James Lyon**
- Steven Kelley**
- Christopher Brooks**
- Maria Selck**
- Edward Pena**
- Teresa Boggs**
- Christopher Jarvis**
- Brian Eilers**

Will Radcliff
Sgt. 1st Class James Foster
Maj. Ian Jones

Condolences:

Hugh Markey, former mechanical engineer in Construction Division, passed away Apr. 30.

William Spurlock, formerly with H&H Branch, passed away Apr. 27.

Bob Brown, former hydrologist, passed away May 25.

Jack Evans, former OPM of MMD/HHD, passed away June 12.

Edward Reynolds, former project manager / engineer of Chief Joseph Dam, passed away June 19.

						
Amy Anderson Supervisory Realty Spec. Realty Operations Branch	Yolanda Barker Office Support Asst. H & H Branch	Jennifer Bertolani Archaeologist Cultural Resources & Policy Section	Agnes Castronuevo Archaeologist Cultural Resources & Policy Section			
						
Lynn Dewald Project Manager Civil Works Branch	Karmel Ervin Realty Specialist Realty Operations Br.	Michelle Farr Realty Specialist Realty Operations Br.	Kyle Gazaway Utility Worker Albeni Falls Dam	Anthony Guerrero Hydraulic Engineer Hydraulic Eng. Section	Anitria Guilford Office Support Asst. Military Branch	Laura Hamilton Mission Support Spec. Mission Support Office
						
Justin Martin Small Craft Operator Waterways Maint. Unit	Vivienne Nguyen Asst. District Counsel Office of Counsel	Emily Smithey Park Ranger Libby Dam Proj. Office	Charles Sulcer Small Craft Operator Waterways Maint. Unit	Jianmin (JoJo) Tan Accountant Finance & Accounting Br.	Adam Thornton Realty Specialist Realty Services Branch	Kylie Webb Student Trainee, Biology Regulatory Branch

Better Know a Section

Natural Resource Management



Natural Resources Management provides policy interpretation, guidance, and technical support for the District's Recreational Program; Environmental Stewardship Program and Environmental Support for Others Program; and Environmental Compliance, Sustainability, and Safety programs. Areas of expertise include, visitor assistance, interpretation, visitation, signs, uniforms, water safety, volunteers, partnerships, master plans, Operations Management Plans, NEPA compliance, ESA listed Species, special status species,

fish, wildlife and habitat management, invasive species, cultural resources, Environmental Review Guide for Operations (ERGO), spill prevention, hazardous waste management, solid waste, oil accountability, pesticide management, sustainability, facility management, budget develop and execution, and strategic planning.

Natural Resources Management includes: Taylor Johnson, Alana Mesenbrink and Jim Jacobson (pictured L to R); Brian Wilson and Craig Brengle (not pictured).