



U.S. Army Corps
of Engineers®

BLUEPRINT

Your Guide to the Sacramento District



U.S. ARMY



Wharf 2 construction at Military Ocean
Terminal Concord, California.

2020

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INTRODUCTION



Building Strong for 90 years! It's a great honor and privilege to join the Sacramento District as its 33rd commander as we celebrate our 90th anniversary. It's amazing to think that we started as a small group of 300 employees in 1929 and have grown into one of the largest districts in the Nation.

Through 90 years of enormous economic growth, peace, war and staggering technological change, we have stood up to serve an increasing variety of needs.

I want to salute all our current and past teammates who have answered the call to serve the communities and

our Nation. Thank you for your service.

Happy Anniversary!

If you have any questions or comments, contact our Public Affairs Office directly at (916) 557-5100 or spk-pao@usace.army.mil

*Col. James Handura
Sacramento District Commander*



**Building Strong
for 90 years.**

Learn more about our history at [YouTube/SacramentoDistrict](https://www.youtube.com/SacramentoDistrict)

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Sacramento District
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COVER:

Wharf 2 construction at Military Ocean Terminal Concord (MOTCO), California, Aug. 13, 2019. Photo by Ken Wright.

CONTENTS:

Groundwater elevation contours for the Natomas Basin, Spring 2013. Map courtesy Luhdorff and Scalmanini Consulting Engineers.

INTRODUCTION:

Col. James Handura at the renaming ceremony for the Richard L. Schafer Dam in Porterville, California, Oct. 1, 2019. Photo by Jeremy Croft.
90th anniversary historical photos graphic, Oct. 7, 2019. Graphic by John Prettyman.

BACK COVER:

Kid's Fishing Day at Hensley Lake, California, April 13, 2019. Photo by J. Paul Bruton.

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SACRAMENTO DISTRICT PROJECTS AND OFFICES



[www.spk.usace.army.mil/media/blueprint](http://spk.usace.army.mil/media/blueprint)

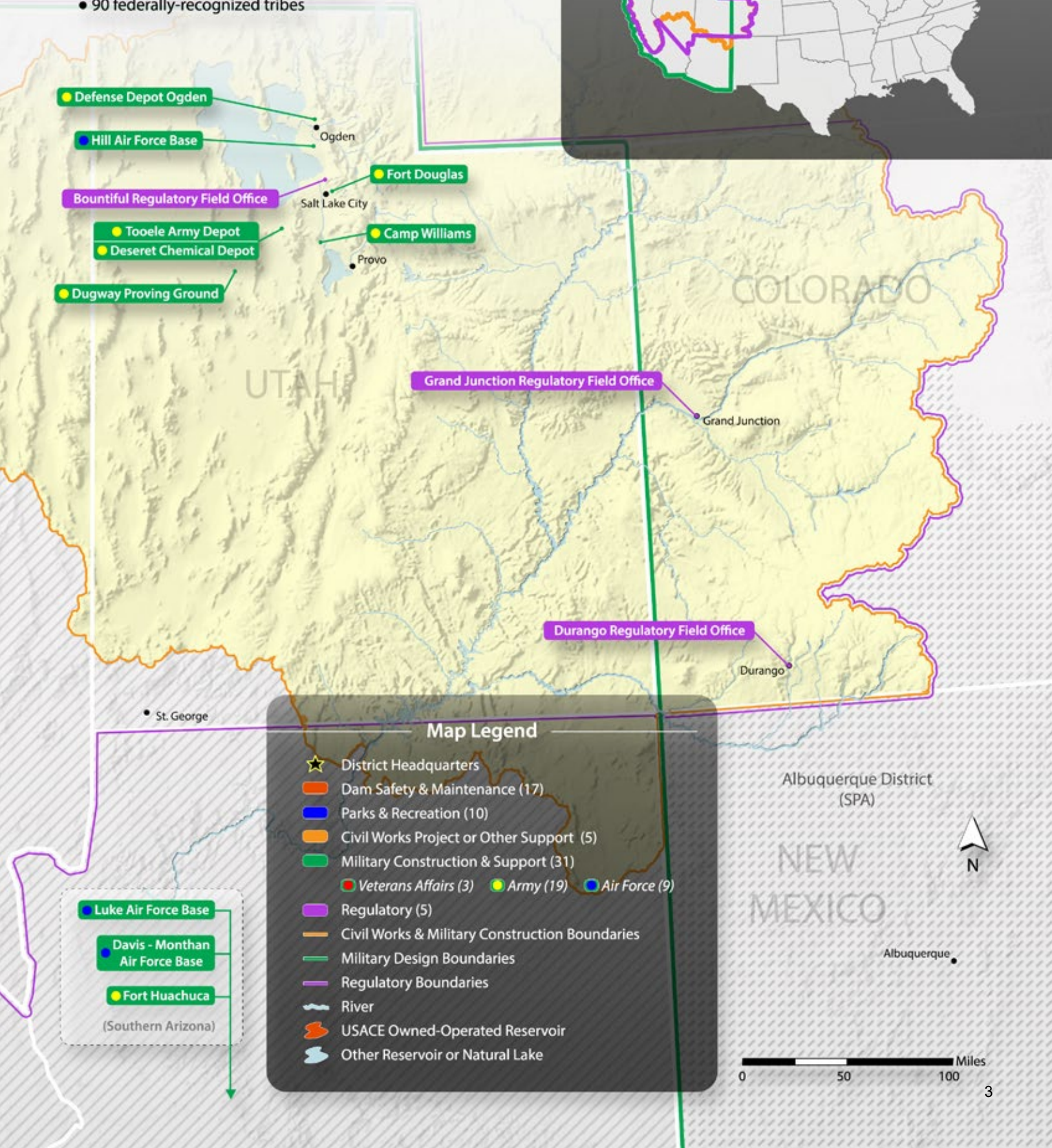
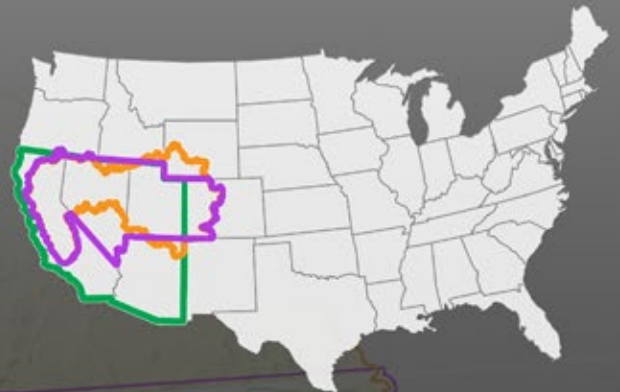


Facts & Figures

(as of January 2020)

- 2nd largest district geographically in the United States
- 290,000 square mile area of responsibility
- Serving 8 western states and 11 million citizens
- 1,100 civilian and military employees
- 90 federally-recognized tribes

Overview Map





Historic Timeline of the Sacramento District

Now one of the largest engineer districts in the Nation, shouldering our greatest, most diverse workload ever, it's amazing to remember where the **U.S. Army Corps of Engineers Sacramento District** started. On our birthday, Oct. 7, 1929, we were a modest outpost of the San Francisco

Mining (1800s)

In 1852, a method known as hydraulic mining was popularized, making affordable the search for gold beyond simple panning. But the process was devastating to the rivers. To help resolve the issue, the California Debris Commission was formed, with three U.S. Army Corps of Engineers officers as members. The mission of flood control and navigation in the Sacramento and San Joaquin valleys was so large that the Sacramento District was formed.

Military Focus (1940s)

The year was 1941, and the surprise attack on Pearl Harbor thrust the district into action. The district changed its focus almost overnight, shifting from civil works to military support. The district grew from around 300 to more than 2,200 staff members, and was responsible for all Army airfield construction. The district boundaries grew as well to include the Great Basin west of the Sierra Nevada. Many projects were authorized as a result of the Flood Control Act of 1944, and were completed in the decades following World War II. These projects included the dams at Lake Isabella, Folsom and Pine Flat.

Environmental Awareness

A cultural and generational shift resulted in new laws including the National Environmental Policy Act, the Clean Air Act, Clean Water Act, and the National Historic Preservation Act. This new era of environmentalism changed the focus of the district significantly. One project in particular, the New Melones



A Rocky Start (1930s)

Just a few weeks after the district was founded, the stock market crashed in October 1929 and brought on a financial crisis unlike any the Nation had seen before. The Great Depression caused millions of Americans to lose their jobs and homes. The Great Depression also brought about many federal New Deal projects for the Sacramento District. The Stockton Deep Water Channel, the largest district project at the time, was completed in 1934. The use of concrete high arch dams for the purpose of debris control was authorized in 1936, resulting in the construction of the North Fork Dam on the American River and Englebright Dam on the Yuba River.

Yuba Flood (1950s - 1960s)

Flooding continued to be an issue for California into the 1950s. The Yuba City Flood in December 1955 inundated more than 100,000 acres and killed 38 people. It was rated the worst natural disaster in California since the San Francisco earthquake of 1906. One large project, the New Hogan Dam, and several smaller dam projects, Success Dam, Terminus Dam, Hidden Dam and Buchanan Dam, were completed in the 1960s.

(1929-2019)

spk.usace.army.mil/About/History

District with just one mission: to regulate the waterways of the San Joaquin and Sacramento basins. But we have since been called upon to do much, much more. Through 90 years of enormous economic growth, peace, war and staggering technological change, we have stood up to serve an increasing variety of needs for the communities in our district and the Nation.

(1970s)

Dam, drew considerable attention and raised a fierce battle with an organized environmental group. Despite the dispute, the controversial dam was completed in 1979. It was the last major dam project built in California.



Major Flood Threats (1990s)

Unprecedented storms in 1986 and again in 1997, with some of the worst impacts affecting California and Nevada, demonstrated that local infrastructure was grossly unprepared for nature's next generation of storms. The greater Sacramento region would emerge as one of the most at-risk regions in America for catastrophic flooding, relying on an aging system of levees, weirs and bypasses, and Folsom Dam to reduce its flood risk.



National Response (2010s)

Almost a century after its creation, the Sacramento District and the Nation were facing many similar challenges - an exponential increase in emergency operations missions involving floods, hurricanes, wildfires and others. From 2010-2019 the district would provide support to 17 disasters throughout the Nation and abroad, a 240% increase from any previous decade in the district's recorded history. And all this is in addition to the district's already demanding civil works, military construction and Department of Veterans Affairs projects exceeding \$1.5 billion annually.



Ecological Restoration (1980s)

Work was steady throughout the decade with many smaller dam projects, such as Fancher and Little Dell dams, completed. Following the passage of the environmental acts, the Corps expanded its mission to include a component of ecological restoration and other water-related missions. Thus was born what we now know as the Regulatory Division of the district. During the 1980s, the district continued to focus on the impacts of military operations within its boundaries. The Formerly Used Defense Sites (FUDS) Program, initiated in 1986, continues to this day, and has mitigated and cleaned over 500 sites across the district's area of responsibility.



Mega Projects (2000s)

The Folsom Dam Auxiliary Spillway project groundbreaking in 2008 marked the start of the district's largest project to date. It also set the stage for larger-scale infrastructure improvements and a system-wide approach to reducing flood risk. Federal, state and local agencies would collaborate on multi-million dollar projects like the American River Common Features, Natomas Levees Improvement and Isabella Dam Safety Modification. The district's military construction mission was also growing, and included projects like the Utah Data Center, and constructing solar, wind and energy projects at Fort Hunter Liggett, Beale Air Force Base, Hill Air Force Base and Tooele Army Depot to help these installations become completely energy independent.



MILITARY CONSTRUCTION








Authorized Projects and Construction

U.S. AIR FORCE

From new hangars to mission command centers, training facilities, infrastructure repairs and projects that improve installation energy resilience, the military branch of the U.S. Army Corps of Engineers Sacramento District provides planning, engineering, project management, environmental restoration and construction services to both Army and Air Force installations. Additionally, the military branch performs environmental clean up for Formerly Used Defense Sites and other specified military sites.

The following list shows only some of the current and recently completed military construction projects. Information about other past, ongoing or future projects can be obtained by contacting (916) 557-5100. Project data contain best estimates and are subject to change based on yearly appropriations.

| Military Installation (State) | Project Title - Primary Purpose | Current Progress |
|--|---|--|
|  Beale Air Force Base (CA) | Common Mission Control Center - 83,000 sq. ft. intelligence and surveillance facility. | Construction completed. Facility is mission ready Dec. 2019. |
|  Fort Hunter Liggett (CA) | 5MW photovoltaic system, 3MW battery storage - helps installation get to net zero energy use. | Awarded construction contract April 2019. Scheduled completion 2022. |
|  Hill Air Force Base (UT) | F-35A hangar 40/42 additions - facility to maintain and service new fighter jets. | Construction completed July 2019. Hangar is mission ready for F-35A maintenance. |
|  Military Ocean Terminal Concord (CA) | Wharf 2 repairs – modernize and restore container crane operations and terminal's ability to distribute and ship munitions for U.S. forces. | Construction ongoing. Scheduled completion 2021. |
|  Sierra Army Depot (CA) | Repairs and improvements to 20 buildings - maintain post's ability to provide logistics support to the U.S. Army and Soldiers. | Construction ongoing. Scheduled completion 2020. |

More military projects info on our **INTERACTIVE MAP**



spk.usace.army.mil/Media/Fact-Sheets

CONTRACT with US



spk.usace.army.mil/Business-With-Us/Contracting



BUILDING STRONG FOR OUR VETERANS

Past, present and future facilities

Salt Lake City and Grand Junction photos by Carlos Lazo. Other photos courtesy Department of Veterans Affairs.



The U.S. Army Corps of Engineers Sacramento District has the great privilege of working with the Department of Veterans Affairs to build medical facilities that serve our veterans. We provide project management and construction management support in Northern California and portions of Nevada, Utah and Colorado.

The Veterans Affairs facilities in Northern California alone serve more than 377,700 veterans dispersed over a wide geographic area of approximately 40,000 square miles.

The graphics below provide a general overview of some of our major past, present and future planned VA projects.



Completing Design

Alameda Point

New outpatient clinic, National Cemetery (Columbarium) and conservation management office situated on a 112-acre footprint.



Awarding Contract(s)

Reno Clinical Expansion

Seismic and life safety infrastructure upgrades to Building 1 and new construction of Building 100 to expand clinical services. VA is currently conducting a medical campus feasibility study, expected completion June 2020.



Complete

Grand Junction

New 30,000-square-foot surgery floor addition to the existing medical center. Completed 2012.



Complete

Salt Lake City

New outpatient mental health clinic, part of the George E. Wahlen Department of Veterans Affairs Medical Center. Completed 2011.



Awarding Contract(s)

Livermore Realignment & Closure

Campus in Stockton/French Camp. Outpatient clinic in Fremont. Specialty procedure center in Palo Alto 1st phase awarded. Divestiture of Livermore facilities. Stockton campus expected completion 2022 with first patients seen in 2023.









spk.usace.army.mil/Missions/Department-of-Veterans-Affairs

CIVIL WORKS

Authorized Projects and Construction

The following list shows only some of the current civil works projects. Information about other past, ongoing or future projects can be obtained by contacting (916) 557-5100. Project data contain best estimates and are subject to change based on yearly appropriations.

| | Title | Primary Work | Current Progress |
|--|--|--|---|
|  | American River Common Features - Natomas | 42 miles of levee improvements. | Lower Natomas Basin levee work underway. Scheduled completion 2024. 18 miles completed by sponsor under early implementation project. |
|  | American River Common Features - WRDA 2016* | 40 miles of levee improvements, 1,500 feet widening of Sacramento Weir and Bypass. | Finalizing project designs and starting construction. Project scheduled completion Jan. 2024. |
|  | Folsom Dam Raise* | 3.5 feet raise of dikes and wing dams, modification of Main Dam Tainter gates. | Finalizing project designs and starting construction. Project scheduled completion Fall 2025. |
|  | Isabella Dam Safety Modification Project* | 16 feet raise of Main and Auxiliary Dams, new Emergency Spillway and Labyrinth Weir. | Phase II dams and spillway construction underway. Scheduled completion 2022. |
|  | Tule River Spillway Enlargement at Schafer Dam* | 10 feet raise and 165 feet widening of existing spillway, new 400 feet-long Ogee Weir. | Finalizing project designs and starting construction. Scheduled completion 2023. |
|  | Yuba River Basin Marysville Ring Levee Project* | 25,000 linear feet of levee improvements across 7.6 miles of levees. | Phase 2A South construction underway. Scheduled completion 2022. |

* Funded to completion by Bi-Partisan Budget Act of 2018.



More civil works projects info on our

INTERACTIVE MAP

spk.usace.army.mil/Media/Fact-Sheets





From start to finish, a U.S. Army Corps of Engineers civil works project may require coordination, review, approval and funding at all levels of local, state and federal governments.

At the most basic level, a Corps project requires several major things to happen before it becomes a reality including congressional authorization to study the feasibility of the project and congressional appropriation to fund construction.

The American River Common Features Natomas Project in Northern California, is one example of a successful large-scale water infrastructure project that has navigated the major steps of the civil works process and is currently under construction.

The graphic above is meant to provide a general overview of the civil works process as it relates to the Natomas levees project. Not all steps or variations of the civil works project process are included.



PARKS & RECREATION

USACE is one of the nation's leading federal providers of outdoor recreation.



*Kid's Fishing Day
Hensley Lake*



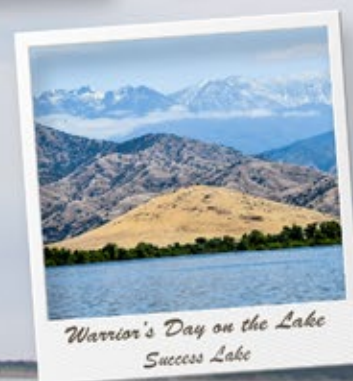
*Kid's Fishing Day
Hensley Lake*



*Warrior's Day on the Lake
Success Lake*



*Warrior's Day on the Lake
Success Lake*



*Warrior's Day on the Lake
Success Lake*



OUR PARKS AT A GLANCE & THEIR VALUE TO THE NATION

Sacramento District (California's Central Valley)

- Manages 10 parks
- Stewards of 45,266 acres of public lands
- 2.5 million visitors annually

Corps (Nationwide)

- Manages more than 400 parks
- Stewards of nearly 12 million acres of public lands
- 250 million visitors annually



Make the most of your park visit!

- ✓ #1 Get your America the Beautiful interagency pass at our park offices or go to: [recreation.gov/pass/atb](https://www.recreation.gov/pass/atb) (Annual, Senior Annual, Senior Lifetime, Disabled Access, Volunteer, Military and 4th Grade Annual passes available)



- ✓ #2 Mark your calendar for activities and special events:
- | | |
|-----------|--|
| February | Frisbee golf at Black Butte Lake |
| March | Photograph early wildflowers at Pine Flat Lake |
| April | Kid's Fishing Day at Eastman Lake |
| May | Family swim at Hensley Lake |
| June | Early fireworks at New Hogan Lake |
| July | Secluded camping at Englebright Lake |
| September | National Public Lands Day (multiple locations) |
| November | Salmon Festival at Stanislaus River Parks |



- ✓ #3 Be safe! Visit: [PleaseWearIt.com](https://www.pleasewearit.com) for safety tips



Warrior's Day on the Lake, May 18, 2019.
National Public Lands Day, Sept. 28, 2019.
Photos by Luke Burns

Kid's Fishing Day, April 13, 2019.
Photos by J. Paul Bruton

Orland School District field trip at
Black Butte, California, April 1, 2019.
Background photo by J. Paul Bruton



REGULATORY

Protecting the nation's aquatic resources and permitting reasonable economic development.



COMMON SERVICES



Issues permits for authorized construction, dredging and other activities in or near federally regulated waterways and wetlands



Conducts investigations of potential unauthorized activities impacting federally regulated waterways or wetlands

Example Activities Requiring Permits



Pier construction, boat ramps, pipeline crossings



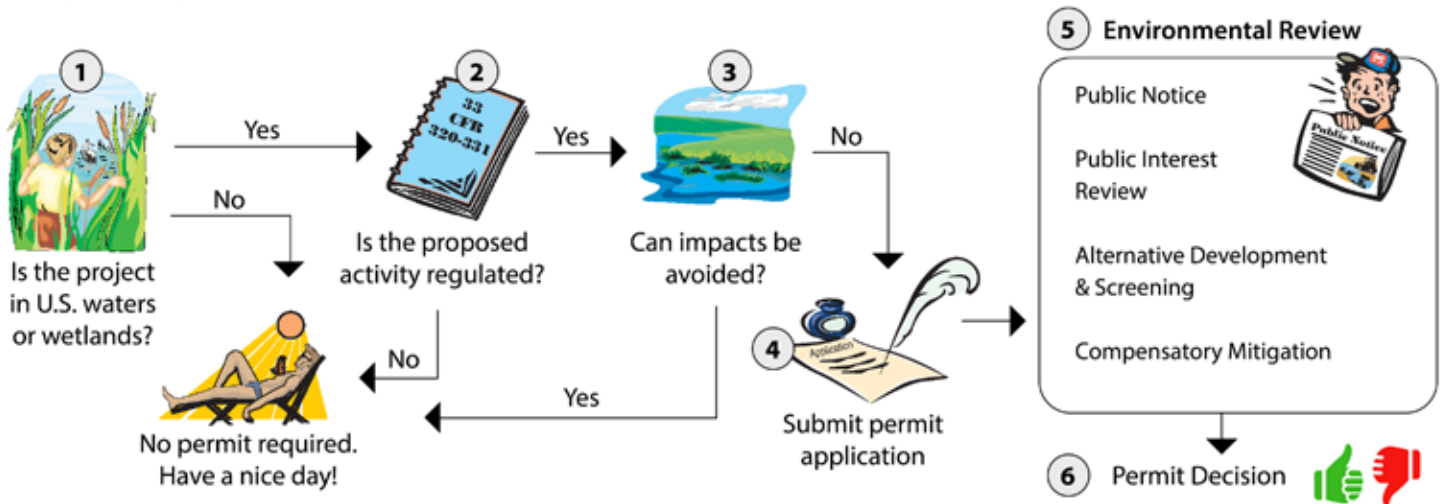
Residential, commercial, institutional or recreational developments



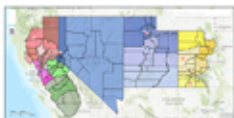
Excavation, filling, or other modifications to navigable waters and adjacent wetlands

PERMIT PROCESS

* The following flowchart only shows the basic steps for a standard individual permit. The process and steps may vary depending on the type of permit and size of the project or activity.



SACRAMENTO DISTRICT PROGRAM SUMMARY



Operates 5 field offices across 4 states



Employs 51 project managers with expertise in natural sciences



Issued 800 permits in FY2019

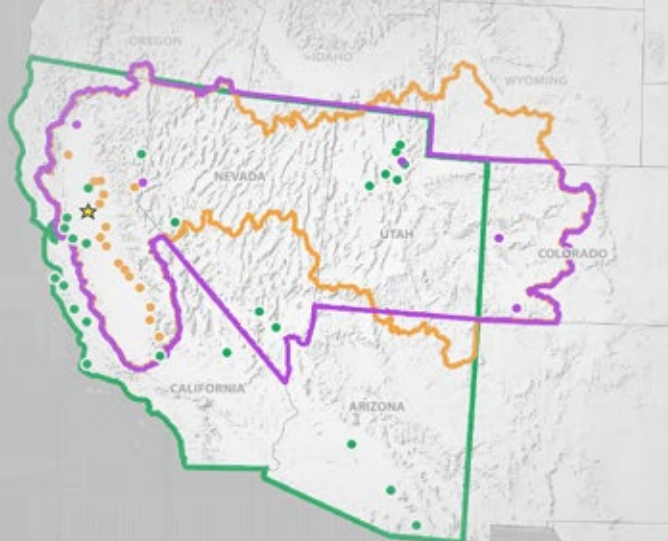


spk.usace.army.mil/missions/regulatory



**U.S. Army Corps
of Engineers**
Sacramento District

TEAM & CAREERS



290,000 Square Mile Area of Responsibility

- Civil Works and Military Construction Boundaries
- Military Design Boundaries
- Regulatory Boundaries

Jobs and Missions Supporting 8 Western States

- ★ Headquarters in Sacramento, California
- Civil Works Project Offices
- Military Installations Support
- Regulatory Field Offices in California, Nevada, Utah & Colorado

Divisions and Job Types*

*Jobs listed below are not exclusive to one division and do not include all available positions. Visit www.usace.usajobs.gov for complete list of opportunities.

PROGRAMS AND PROJECT MANAGEMENT

- Civil Programs Manager
- Military Programs Manager
- Intern



PLANNING

- Archaeologist
- Botanist
- Economist

- Environmental Planner
- Landscape Architect

- Outdoor Recreation Planner
- Urban Planner

ENGINEERING

- Civil Engineer
- Cost Engineer
- Electrical Engineer

- Environmental Engineer
- Geologist
- Hydraulic Engineer

- Mechanical Engineer
- Structural Engineer
- Technical Lead



OPERATIONS

- Emergency Management Specialist
- Natural Resource Manager

CONSTRUCTION

- Construction Inspector



REGULATORY

- Biologist

- Regulatory Project Manager

REAL ESTATE

- Realty Specialist

CONTRACTING

- Contract Specialist



OFFICE OF COUNSEL

- Attorney
- Accountant

RESOURCE MANAGEMENT

- Administrative
- Financial Manager
- Program Analyst



USACE.USAJOBS.GOV



DIRECTORY

District Leadership

Strategic direction and vision to provide innovative and enduring engineering solutions to the nation.



Col. James Handura
District Commander



Lt. Col. Laura Shiplet
Deputy District Commander



Ms. Tambour Eller
Deputy District Engineer
for Project Management



Ms. Alicia Kirchner
Chief, Planning



Mr. Rick Poeppelman
Chief, Engineering



Mr. Randy Olsen
Chief, Operations



Mr. Steve Gladwell
Chief, Construction



Ms. Linda Finley
Chief, Mega Projects Center



Mr. Creg Hucks
Chief, Dam Safety Production Center



Mr. Adam Olson
Chief, Real Estate



Mr. Mike Jewell
Chief, Regulatory



Ms. Susan Yarbrough
Chief, Contracting



Mr. Al Faustino
District Counsel



Mr. Mark Young
Chief, Resource Management

DIRECTORY

Office Contacts

| | |
|--|--|
| Sacramento District Headquarters – Public and media inquiries | (916) 557-5100 |
| 1325 J Street, Sacramento, CA 95814 spk-pao@usace.army.mil | |
| Base Realignment & Closure (BRAC) Environmental Restoration | (916) 557-7450 |
| Civil Works – Project Management | (916) 557-7274 |
| Contracting (Bids, Jobs, etc.) | (916) 557-5137 |
| Dam Safety & Maintenance | (916) 557-5100 |
| Executive Office | (916) 557-7490 |
| Emergency Management | (916) 557-6911 |
| Employment Opportunities | (916) 557-5336 |
| Engineering Division | (916) 557-5300 |
| Environmental – Planning | (916) 557-6700 |
| Equal Employment Opportunity | (916) 557-6904 |
| cespk-de-o@usace.army.mil | |
| Flood Emergency (State / Local) | State-Federal Flood Operations Center (916) 574-2619 or Department of Water Resources: (916) 574-4233 |
| Flood Insurance Maps – Federal Emergency Management Agency (FEMA) | (877) 336-2627 |
| Formerly Used Defense Sites (FUDS) | (916) 557-6796 |
| Freedom of Information Act | (916) 557-5290 |
| General Questions | (916) 557-5100 |
| Human Resources / Personnel Office | (916) 557-5336 |
| ID Cards for Dependents / Military Retirees | (916)-854-3277 |
| (offered through California National Guard) | |
| Internships | (916) 557-5149 |
| Levees – General Questions | (916) 557-5100 |
| Levee Permits (Federal) | (916) 557-6898 |



DIRECTORY

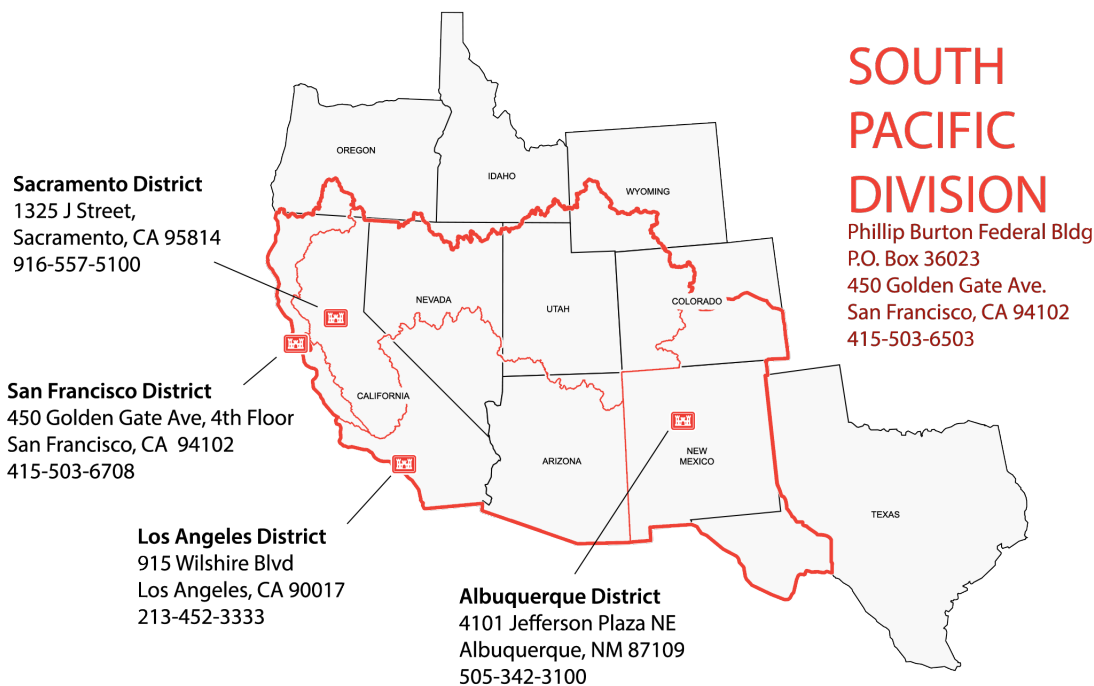
Office Contacts

| | |
|--|---|
| Levee Emergency (State / Local) | State-Federal Flood Operations Center (916) 574-2619 or Department of Water Resources: (916) 574-4233 |
| Military – Project Management | (916) 557-6994 |
| Military Servicemembers – General Questions | (800) 342-9647 www.militaryonesource.mil |
| Office of Counsel | (916) 557-5290 |
| Planning Division | (916) 557-6700 |
| Project Management - Civil Works | (916) 557-7274 |
| Project Management - Military | (916) 557-6994 |
| Public Affairs Office | (916) 557-5100 |
| Real Estate | (916) 557-6800 |
| Recreation | (916) 557-5283 |
| Black Butte Lake | (530) 865-4781 19225 Newville Road, Orland, CA 95963-8901 blackbutte-info@usace.army.mil |
| Eastman Lake | (559) 689-3255 P.O. Box 67, Raymond, CA 93653-0067 eastman-info@usace.army.mil |
| Englebright Lake | (530) 432-6427 PO Box 6, Smartville, CA 95977-0006 englebright-info@usace.army.mil |
| Hensley Lake | (559) 673-5151 P.O. Box 85, Raymond, CA 93653-0085 hensley-info@usace.army.mil |
| Lake Kaweah | Visitor Center: (559) 597-2005 / Office: (559) 597-2301 P.O. Box 44270, Lemon Cove, CA 93244-4270 kaweah-info@usace.army.mil |
| Martis Creek Lake | April – Nov.: (530) 587-8113 / Dec. – March: (530) 432-6427 P.O. Box 2344, 11989 Martis Dam Road, Truckee, CA 96160 martis-info@usace.army.mil |
| New Hogan Lake | (209) 772-1343 2713 Hogan Dam Road, Valley Springs, CA 95252 newhogan-info@usace.army.mil |
| Pine Flat Lake | (559) 787-2589 P.O. Box 117, Piedra, CA 93649-0117 pineflat-info@usace.army.mil |
| Stanislaus River Parks | (209) 881-3517 17968 Covered Bridge Road, Oakdale, CA 95361-9510 stanislaus-info@usace.army.mil |
| Success Lake | Information: (559) 783-9200 / Park Office: (559) 784-0215 P.O. Box 1072, Porterville, CA 93258 success-info@spk.usace.army.mil |

DIRECTORY

Office Contacts

| | |
|---|------------------------|
| Regulatory | (916) 557-5250 |
| 1325 J Street, Room 1350, Sacramento, CA 95814 cespk-regulatory-info@usace.army.mil | |
| Bountiful Field Office | (801) 295-8380 |
| 533 West 2600 South, Suite 150, Bountiful, UT, 84010-7744 | |
| Durango Field Office | (970) 317-5152 |
| 1970 E. 3rd Ave, Suite 109, Durango, CO 81301-5025 | |
| Grand Junction Field Office | (970) 243-1199 |
| 400 Rood Ave, Room 224, Grand Junction, CO 81501-2563 | |
| Redding Field Office | (530) 223-9534 |
| 310 Hemsted Ave, Suite 310, Redding, CA 96002-0935 | |
| Reno Field Office | (775) 784-5304 |
| 300 Booth Street, Room 3050, Reno, NV 89509-1328 | |
| Resource Management | (916) 557-7947 |
| Small Business Opportunities | (916) 557-7641 |
| Tribal Nations Program | (970) 243-1199 ext. 15 |
| SPKTribalPrograms@usace.army.mil | |
| Water Management | (916) 557-7111 |
| Wetlands Permits | (916) 557-5250 |



Public Affairs Office
Sacramento District
U.S. Army Corps of Engineers
1325 J Street
Sacramento, CA 95814-2922



*Kid's Fishing Day at
Hensley Lake,
California.*