



U.S. Army Corps
of Engineers®

BLUEPRINT

Your Guide to the Sacramento District



U.S. ARMY



2019

Construction begins on the Isabella
Dam Safety Modification Project
near Bakersfield, California.

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CONSTRUCTION
WORK LIMITS FOR
DAM AND SPILLWAY

ISABELLA LAKE
EMERGENCY
SPILLWAY
(KE1-09-0508)

HWY 155 WALL
(KE1-09-0525)

MAIN DAM
(KE1-09-0510)

(E) US ARMY CORPS OF
ENGINEERS BUILDING

(E) BOAT LAUNCH 19

ROCK BOULDER
(KE1-09-0507)

(E) US FOREST SERVICE BU

BOAT RAMP PAR
LOT STRIPING
(KE1-09-0507)

SERVICE SPILLWAY
(KE1-09-0511)

OPTION
BOUNDARY

PONDEROSA DR
REALIGNMENT
(KE1-09-0507)

USACE FACILITY SITE
(KE1-25-0512)

SECURITY FENCE
(KE1-09-0507)

BARLOW ROAD REALIGNMENT
(KE1-09-0507)

(E) BARLOW

BOREL EASEMENT, SEE NO

LOCATION OF TEM
USACE FACILITIES
(NIC)

2019

PONDEROSA DR
TURNAROUND
(KE1-09-0507)

PROJECT BOUNDARY OF GOVERN
TESTING LABORATORY FACILITY
(KE1-25-0506)

INTRODUCTION



The scale of our program has doubled in just two years! Each year I continue to be amazed at how many new challenges and missions our Sacramento District team takes on. Last fiscal year we completed over \$1.6 billion dollars in projects including infrastructure to help reduce flood risk for our communities, support to the Department of Veterans Affairs, wildfire debris removal and disaster recovery, and construction of state-of-the-art facilities for our military.

At the end of 2018, our district received an additional \$2.1 billion dollars in supplemental funding to keep five of our top infrastructure projects on track.

Thank you to our employees, elected representatives, partner agencies and

contractors who help us successfully complete our ever-growing mission serving our Nation.

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

Col. David Ray
Sacramento District Commander



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

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U.S. Army Corps of Engineers
Sacramento District
1325 J. St.
Sacramento, CA 95814
916-557-5100
spk-pao@usace.army.mil

COVER:

Construction begins on the Isabella Dam Safety Modification Project near Bakersfield, California, Oct. 9, 2018. Photo by Larry Miller.

CONTENTS:

Isabella Dam Safety Modification Project general site plan, March 17, 2017. Design by B. Perrin and B. Liang.

INTRODUCTION:

Col. David Ray visits wildfire debris cleanup, Sonoma, California, Dec. 28, 2017. Photo by Michael Logue.

Wet commissioning of the completed Folsom Dam Auxiliary Spillway, Folsom, California, Jan. 19, 2018. Video still courtesy Charles Jeung.

BACK COVER:

A hummingbird nest after wildfires, Sonoma, California, March 5, 2018. Photo by J. Paul Bruton.

Publication authorized under the provisions of Army Regulation 360-1.



spk.usace.army.mil



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[/USACESacramento](https://twitter.com/USACESacramento)



SACRAMENTO DISTRICT PROJECTS AND OFFICES



spk.usace.army.mil/media/blueprint

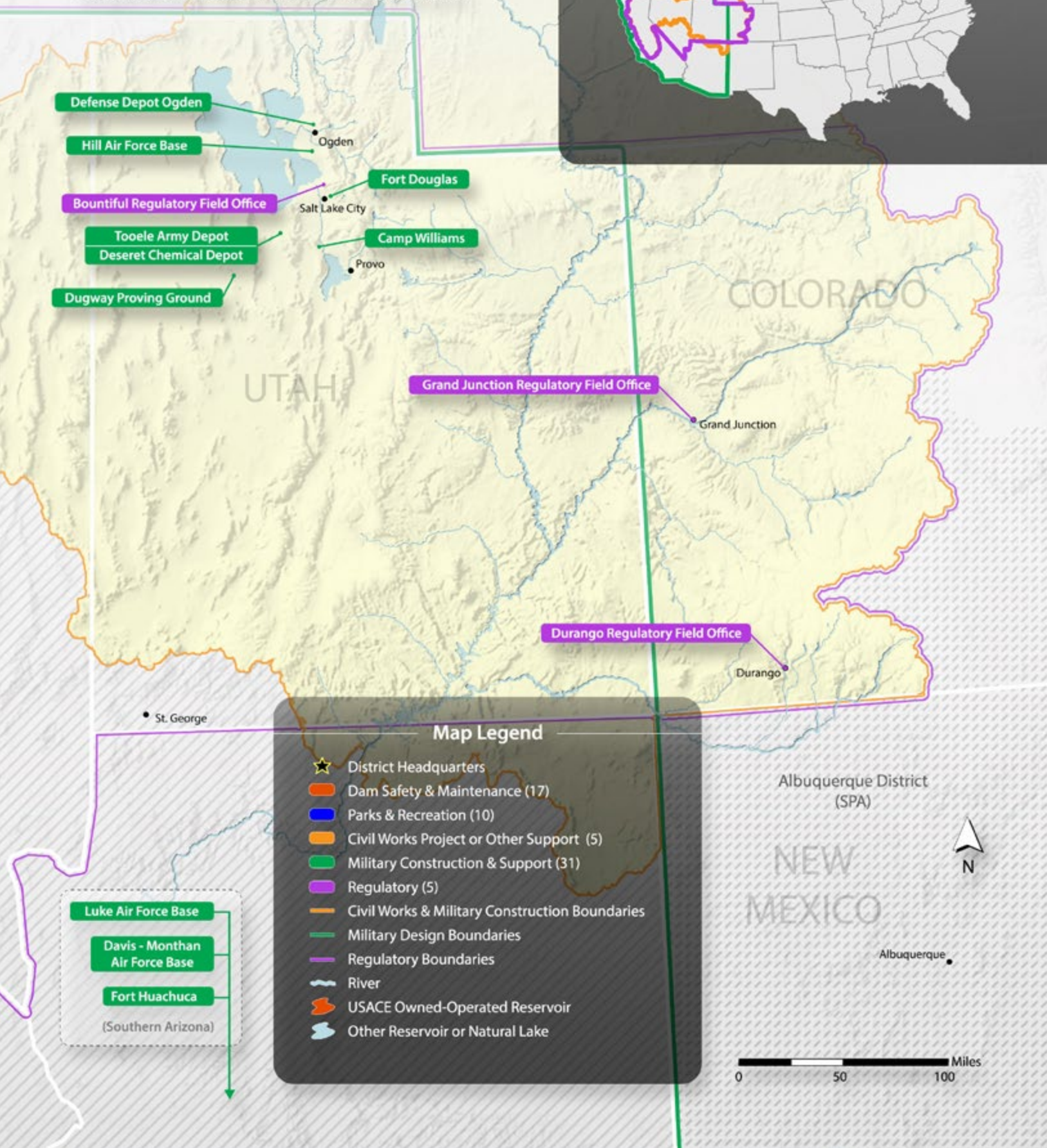
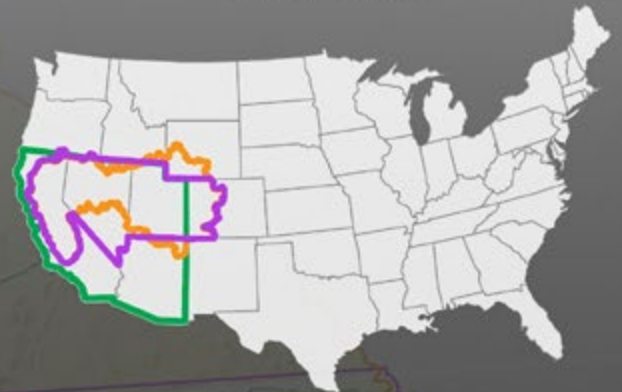


Facts & Figures

(as of January 2019)

- 2nd largest district geographically in the United States
- 290,000 square mile area of responsibility
- Serving 8 western states
- Approximately 1,000 civilian and military employees

Overview Map










MILITARY CONSTRUCTION

Authorized Projects and Construction



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 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 ongoing. Scheduled completion early 2019.
 Fort Hunter Liggett (CA)	5MW photovoltaic system, 3MW battery storage - helps installation get to net zero energy by 2020.	Construction contract scheduled for award early 2019. Scheduled completion 2020.
 Hill Air Force Base (UT)	F-35A hangar 40/42 additions - facility to maintain and service new fighter jets.	Construction ongoing. Scheduled completion 2019.
 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.	Awarded construction contract Aug. 2018. 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 2019.





BUILDING STRONG FOR OUR VETERANS

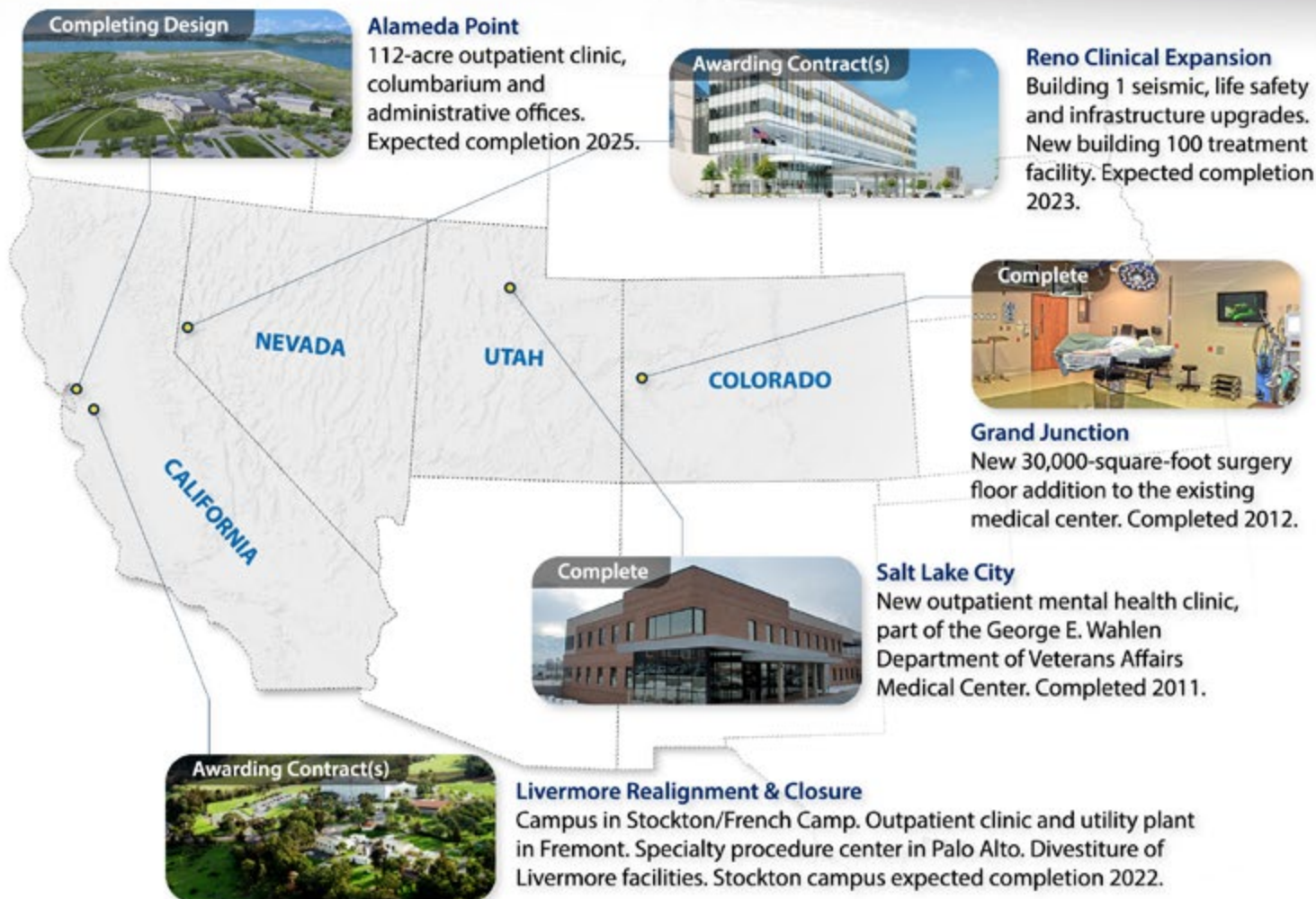
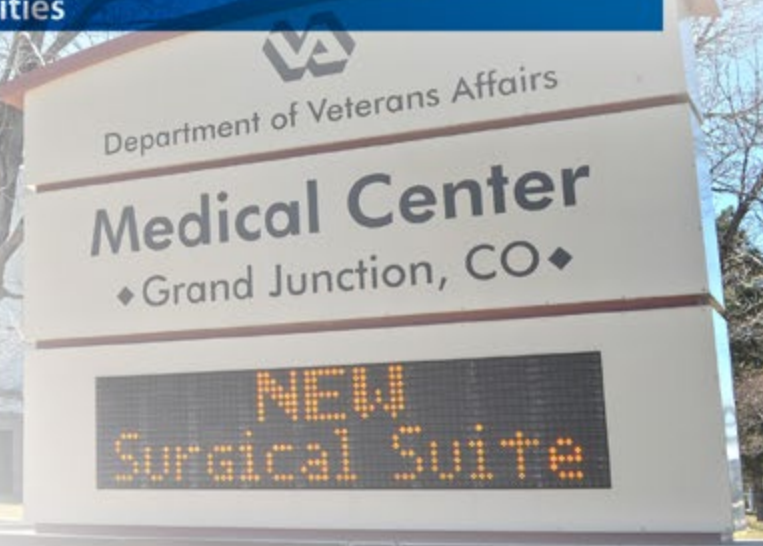
Past, present and future facilities

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

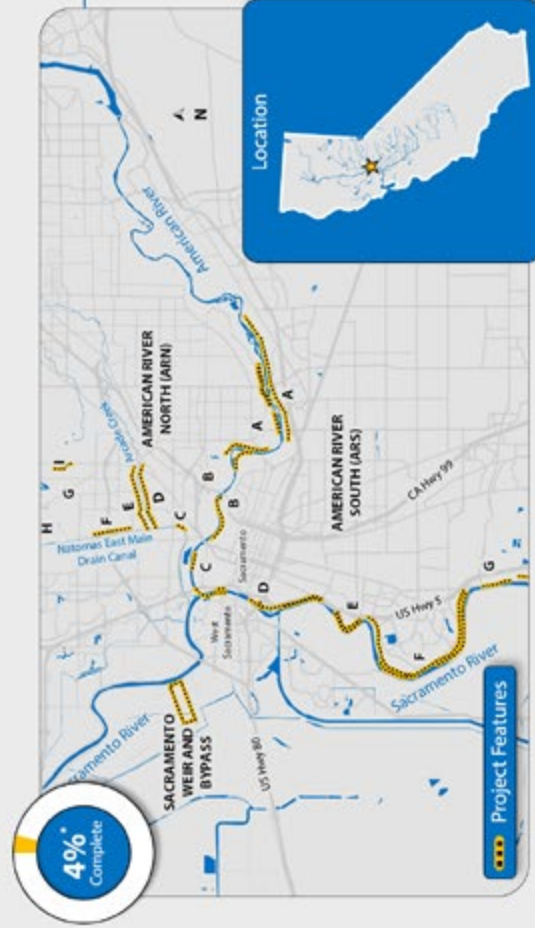
The U.S. Army Corps of Engineers Sacramento District has the great privilege of working with the Department of Veterans Affairs to build medical facilities that serve our veterans. We provide project management and construction management support in Northern California and portions of Nevada, Utah and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

The Veterans Affairs facilities in Northern California alone serve an area of 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.



The U.S. Army Corps of Engineers Sacramento District received \$2.1 billion dollars through the Bipartisan Budget Act of 2018 (Public Law 115-123) Long Term Disaster Recovery Investment Plan to keep five critical infrastructure projects in California's Central Valley on track, move dirt, and most importantly, reduce disaster risks for local communities and businesses. Here's an overview of the five supplemental-funded flood risk management projects.



AMERICAN RIVER COMMON FEATURES - WRDA 2016[†]

Main Project Features:

- 13 miles of cutoff walls.
- 21 miles of bank protection.
- 5 miles of levee stabilization.
- 5 miles of levee raises.
- 1500 feet widening of Sacramento Weir and Bypass.

Benefits: Reduces flood risk for 500,000 people and 125,000 structures, helps prevent \$62 billion economic losses.

Scheduled Completion: Fall 2025.

Supplemental Funding Amount: \$1.5 billion.



FOLSOM DAM RAISE

Main Project Features:

- 3.5 feet raise of the Folsom Facility Dikes 1-8, Mormon Island Auxiliary Dam, Left Wing Dam and Right Wing Dam.
- Modifications of Main Dam's Tainter gates.

Benefits: Increase temporary water storage space during flood events and reduce flood risk for nearly 2 million people in the region.

Scheduled Completion: Fall 2025.

Supplemental Funding Amount: \$216.5 million.



ISABELLA DAM SAFETY MODIFICATION PROJECT

Main Project Features:



- 16 feet raise to the Main and Auxiliary Dams.
- Add filter and drain on the downstream slope of the Main Dam.
- Improve stability of the existing spillway.
- Create an additional 300-foot-wide Emergency Spillway and Labyrinth Weir.

Benefits: Improve safety for 300,000 people living and working below the dams, reduce risk from seismic event, minimize potential of dam over-topping, safely control seepage, extend infrastructure lifespan and remove current pool restriction (implemented in 2006).

Scheduled Completion: End of 2022.

Supplemental Funding Amount: \$258.2 million.



TULE RIVER SPILLWAY ENLARGEMENT AT SUCCESS DAM

Main Project Features:

- 10 feet raise and 165 feet widening of existing spillway.
- Construct new 400 feet-long concrete Ogee Weir.
- Realign portion of access road to accommodate new ogee structure.
- Construct additional relief wells at Main Dam toe drain.
- Reinforce Frazier Dike and existing Highway 190 bridge for new gross pool.

Benefits: Bring the dam up to current safety standards, increase reservoir storage by 28,000 acre feet and reduce flood risk for over 60,000 people downstream.

Scheduled Completion: Fall 2023.

Supplemental Funding Amount: \$74 million.



YUBA RIVER BASIN MARYSVILLE RING LEVEE PROJECT

Main Project Features: Construct approximately 25,000 linear feet of levee improvements across 7.6 miles of levees with soil bentonite cutoff walls and stability berms and other erosion controls.

Benefits: Reduce levee through and under seepage, achieve 200-year level flood risk reduction and reduce risk to more than 12,700 people, 3,731 structures, the region's largest hospital and major transportation corridors including State Highways 70 and 20 and the Union Pacific Railroad.

Scheduled Completion: Fall 2023.

Supplemental Funding Amount: \$13.5 million.

* Project completion percentage is approximate and based on difference between design start date and scheduled construction completion date. Current as of January 2019. † Water Resources Development Act of 2016.

DISASTER RESPONSE Through the Years



A Pictorial History of Sacramento District Emergency Operations 1978-2019

1978

Kings River, California Flood
Led Corps' response with river bank stabilization: 7,000 tons of rock placed along 1,200 feet of river bank 50 miles below Pine Flat Dam.



1983

California Floods
Led Corps' response with 12 flood fight operations to repair and reinforce levees.



1983

Utah Floods
Led Corps' response with 4 flood fight operations, 6 miles of levee raises and repairs.



1995

California Floods
Led Corps' response: received requests for assistance at more than 50 sites, conducted investigations, engineering, design and construction contracts for levee and infrastructure rehabilitation.



1998

California Floods
Led Corps' response with response with levee repair and rehabilitation at 36 sites.



2005

Hurricane Katrina, Louisiana
Supported Corps' response with critical infrastructure assessments and repairs.



2009

Kentucky Ice Storms
Supported Corps' response with emergency right of way clearance.



Then



1970s

1980s

1990s



1980

Delta Flood, California
Led Corps' response with levee inspections and reinforcement repairs.



1986

California Floods
Led Corps' response to record storms with over 100 Corps personnel managing emergency levee construction and repairs.



1989

Loma Prieta Earthquake, San Francisco
Supported Corps' response with infrastructure assessments and debris management.



1997

Nevada Floods
Led Corps' response with emergency flood fight operations spread over nearly 100 square miles.



1997

California Floods "New Years Deluge"
Led Corps' response with rehabilitation to more than 600 sites damaged by erosion, breaches, water and landslides.



2001

World Trade Center Attacks, New York
Supported Corps' response with infrastructure assessments and debris management.



2010

Haiti Earthquake
Supported Corps' response with critical infrastructure assessments.

Whenever and wherever disaster strikes, many federal, state and local agencies rely upon the U.S. Army Corps of Engineers to provide an extensive range of expertise: engineering and construction support, debris management, critical infrastructure assessment, temporary repairs, temporary housing or facilities installation.

The majority of disaster response from the Sacramento District involves flood fighting, but the district supports many other emergency operations missions throughout the Nation and abroad. The graphics above provide an overview of many of those missions over the last 41 years helping communities rebuild (listed by year, primary disaster and the district's main role).



*Mission frequency data points are approximate and based on the comparison of the cumulative total of significant and recorded Sacramento District emergency response operations during 10 year increments (i.e. 1990-1999, 2000-2009, etc.).

Data and Imagery Sources: Sacramento District History (1929-2004) publication, California Department of Water Resources, Federal Emergency Management Agency, Defense Visual Information Distribution Service.



PARKS & RECREATION

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



*National Public Lands Day
at Success Lake*



*National Public Lands Day
at New Hogan Lake*



Kid's Fishing Day at Eastman 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 (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 Land's Day (multiple locations)
November	Salmon Festival at Stanislaus River Parks



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



New Hogan Lake near Valley Springs, California, May 23, 2018.

All photos by 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



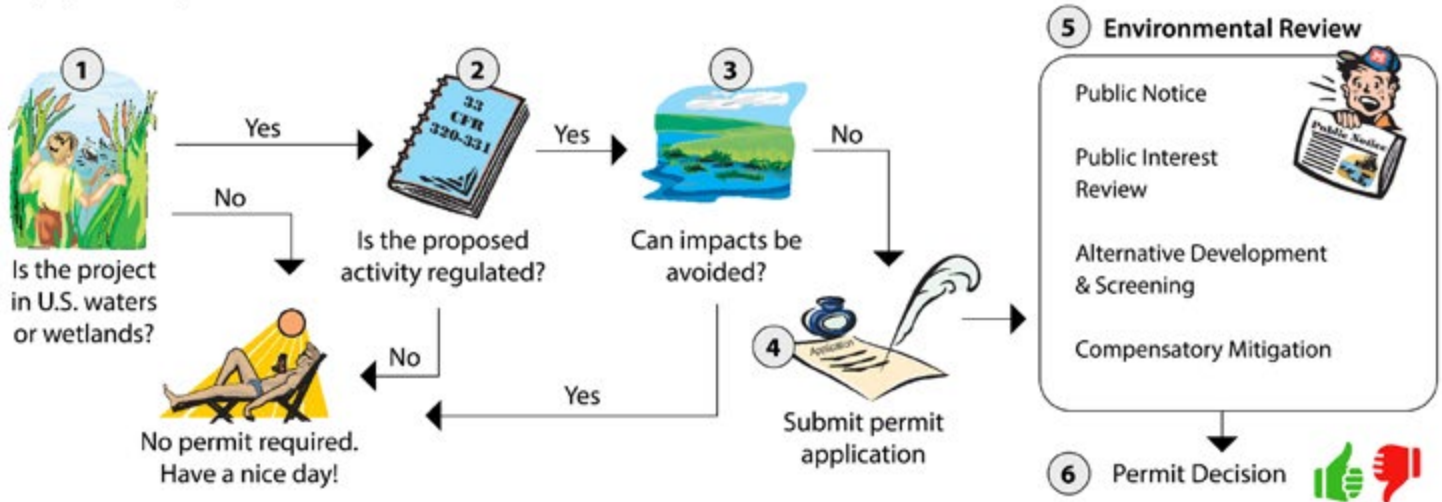
Residential, commercial, institutional or recreational developments



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 1,113 permits in FY2017 and 800 in FY2018

Visit spk.usace.army.mil/missions/regulatory for more info



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

NOW HIRING
IN THE FOLLOWING LOCATIONS:

CALIFORNIA

Beale Air Force Base
Camp Roberts
Fort Hunter Liggett
Lake Isabella
Redding

Sacramento
Sierra Army Depot

ARIZONA
Phoenix

UTAH

Bountiful
Hill Air Force Base
St. George
Tooele Army Depot

COLORADO

Durango
Grand Junction

NEVADA
Reno

*Locations and available positions vary frequently, visit www.usace.usajobs.gov for complete list.

PROGRAMS



Civil Works

Military Construction



Emergency Operations

Parks & Recreation



Regulatory

JOB

Accountant
Administrative
Archaeologist
Biologist
Botanist
Construction Inspector
Contract Specialist
Economist
Engineer
• Civil
• Electrical
• Environmental
• Hydraulic
• Mechanical
• Structural

Geologist
Landscape Architect
Lawyer
Manager
• Construction
• Financial
• Natural Resource
• Project
Real Estate Specialist
Regulator
Planner
• Environmental
• Outdoor Recreation
• Urban

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DIRECTORY

District Leadership

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



Col. David Ray
District Commander



Lt. Col. Laura Shiplet
Deputy District Commander



Ms. Alicia Kirchner
Deputy District Engineer
for Project Management



Mr. Michael Jewell
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. Greg Hucks
Chief, Dam Safety Production Center



Mr. Adam Olson
Chief, Real Estate



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) 557-7658
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) 557-7658
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



Need to do construction on or near a levee?



Central Valley Flood Protection Board (916) 574-0609



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) 557-7658
Military Servicemembers – General Questions	(800) 342-9647 www.militaryonesource.mil
Office of Counsel	(916) 557-5290
Parks & Recreation	(916) 557-5281
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
Planning Division	(916) 557-6700
Project Management - Civil Works	(916) 557-7274
Project Management - Military	(916) 557-7658
Public Affairs Office	(916) 557-5100
Real Estate	(916) 557-6800
Regulatory	(916) 557-5250 1325 J Street, Room 1350, Sacramento, CA 95814 cespk-regulatory-info@usace.army.mil



DIRECTORY

Office Contacts

Bountiful Field Office 533 West 2600 South, Suite 150, Bountiful, UT, 84010-7744	(801) 295-8380
Durango Field Office 1970 E. 3rd Ave, Suite 109, Durango, CO 81301-5793	(970) 259-1604
Grand Junction Field Office 400 Rood Ave, Room 224	(970) 243-1199
Redding Field Office 310 Hemsted Ave, Suite 310, Redding, CA 96002-0935	(530) 223-9534
Reno Field Office 300 Booth Street, Room 3050, Reno, NV 89509-1328	(775) 784-5304
Resource Management	(916) 557-7947
Small Business Opportunities	(916) 557-7641
Tribal Nations Program SPKTribalPrograms@usace.army.mil	(970) 243-1199 ext. 15
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



*A hummingbird nest in
Sonoma, California,
five months after
wildfires devastated
the region.*