

# OF ENGINEERS HISTORY

**43** Construction of the Pentagon completed 16 months after groundbreaking.

**1961** USACE began construction support for NASA, leading to major activities at the Manned Spacecraft Center and John F. Kennedy Space Center.

**1986** Water Resources Development Act brought major change in financing by requiring nonfederal contributions toward most federal water resources projects.

**1992** USACE undertook major disaster recovery in wake of Hurricanes Andrew and Iniki.

**2004** The Gulf Region Division established in Baghdad to manage the Iraq reconstruction program.

**2005** Hurricanes Katrina and Rita ravaged the Mississippi Gulf Coast and subsequent storm surges overwhelmed the protective levees around New Orleans.

**2011** USACE responds to Mississippi River floods, which were among the largest and most damaging recorded along the U.S. waterway in the past century.

**2012** USACE responds to Hurricane Sandy, which affected 24 states and was named the largest hurricane to have formed in the Atlantic Basin.

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

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# US Army Corps of Engineers

## Serving the Nation Since 1775

# SIGNIFICANT DATES IN THE U.S. ARMY CORPS

**1775** Continental Army established and first Chief Engineer appointed.

**1802** Army Corps of Engineers permanently established and U.S. Military Academy founded under USACE.

**1824** An act to improve navigation on the Ohio and Mississippi rivers initiated permanent civil works construction mission. General Survey Act authorized use of Army engineers to survey roads and canals.

**1884** Construction of Washington Monument completed.

**1914** Panama Canal completed under supervision of Army Engineer officers.

**1936** Flood Control Act made flood control a federal policy and officially recognized USACE as a major flood control agency.

**1941** USACE took over all real estate acquisition, construction and maintenance for Army facilities.

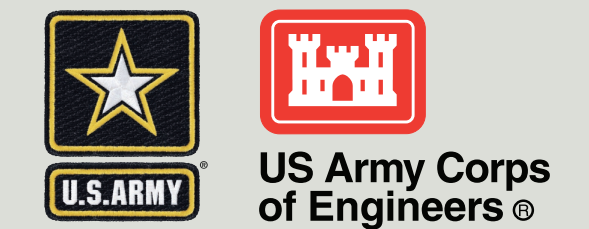
## Where we are

**RECREATION**  
4057 recreation sites receive **370 million** visits per year

**Military Construction Program**  
between 2006 & 2013 totaling almost **\$44.6 billion** –the LARGEST construction effort since World War II.

**LEGEND**  
 ● Division HQ Location  
 ◆ District HQ Location  
 ◆ District and Division Co-located  
 — Division Boundary  
 - - - District Boundary  
 - - - State Boundary

**OTHER ORGANIZATIONS**  
 Engineer Research and Development Center (7 labs)  
 Engineering and Support Center, Huntsville  
 Army Geospatial Center  
 USACE Finance Center  
 USACE Logistics Activity  
 Marine Design  
 Institute for Water Resources  
 249th Engineer Battalion (Prime Power)  
 416th Theater Engineer Command  
 412th Engineer Command



## USACE at a glance

**Hydropower**  
 1 out of every 4 light bulbs in the US is generated by USACE hydropower plants  
**MEGAWATTS**

**Water Supply**  
**6.5 BILLION** gallons of water per day from USACE lakes provide daily indoor needs of **96 million** households

**Dams & Levees**  
**\$36.2 billion** average annual damages prevented by USACE dams, levees and emergency operations from 2003 to 2012

**Environmental Stewardship & Restoration**  
**12 million acres** of wildlife habitat (the size of New Hampshire & Vermont combined) in 43 states.


**Construction of Iconic American Projects**  
 the Washington Monument  
 the U.S. Capitol Dome  
 the Library of Congress  
 the Lincoln Memorial and the Pentagon.


**Waterways, Locks & Ports**  
**12,000 miles** of inland waterways carry **51 million** truck trips per year and **\$1.77 million** of U.S. trade



**SUPPORT** THE WARFIGHTER  Delivering innovative, resilient and sustainable solutions to DoD and the nation

**TRANSFORM** CIVIL WORKS  Delivering enduring and essential water resources solutions


**REDUCE** DISASTER RISKS  Delivering support that responds to, recovers from, and mitigates disaster impacts to the nation

**PREPARE** FOR TOMORROW  Building resilient people, teams, systems and processes to sustain a diverse culture of collaboration, innovation and participation

**Support to Army Service and Combatant Commands**  
USACE supports U.S. defense and security assistance goals worldwide by providing agile and expeditionary engineering and construction capabilities. USACE is engaged in more than 130 countries in support of Army service and combatant commands, other U.S. Armed Forces, allied nations and U.S. national objectives including contingency operations.

**Installation Management**  
USACE is on call to provide reimbursable support to Army Garrison Commanders and Directorates of Public Works. Services include: military master planning; design and construction; net zero energy efficient facilities; sustainable facilities; and flexible contracting tools.

**Environmental Restoration**  
USACE also cleans up hazardous, toxic, or radioactive waste and military munitions on Formerly Used Defense Sites, military installations, and Army bases that are closed under Base Realignment and Closure. USACE also supports the EPA by cleaning Superfund sites and working with its Brownfields and Urban Waters Programs.

since 2001 more than **11,000** USACE civilian deployments to Iraq and Afghanistan 

**The Military Program**  
USACE is delivering facilities and infrastructure worldwide to help Soldiers and Airmen maintain readiness and achieve Army, Air Force and Defense modernization goals. We also support the National Guard and Army Reserve. Missions include infrastructure planning, design, construction, science and engineering, as well as real estate acquisition and disposal.



working in **130** COUNTRIES in support of combatant commanders

**Navigation**  
Navigation was the U.S. Army Corps of Engineers' earliest Civil Works mission, dating to 1824 when Congress authorized USACE to improve safety on the Ohio and Mississippi Rivers and several ports. Today, USACE keeps federal channels safe for commerce by providing reliable, efficient and environmentally sustainable transportation systems for U.S. ports, harbors and inland navigation.

**Dredging**  
USACE removed more than 230 million cubic yards of dredged material from federal channels in fiscal year 2012. USACE uses dredged sediment to restore neighboring wetlands and naturally re-nourish beaches.

**Environmental Protection and Ecosystem Restoration**  
USACE is involved with several projects that have a significant impact in protecting and restoring the environment including: South Florida Ecosystem Restoration, Columbia River Fish Mitigation, and the Missouri River Fish and Wildlife Recovery.

**1 NAVIGATION**  
USACE's first Civil Works Mission  
~est 1824~

wetlands. USACE works to allow reasonable development through fair, flexible, and balanced permit decisions. Nationwide, USACE issues more than 63,000 permits annually.

**Regulatory Programs and Permits**  
USACE issues permits for all construction activities affecting U.S. waters. The federal goal is no net loss of

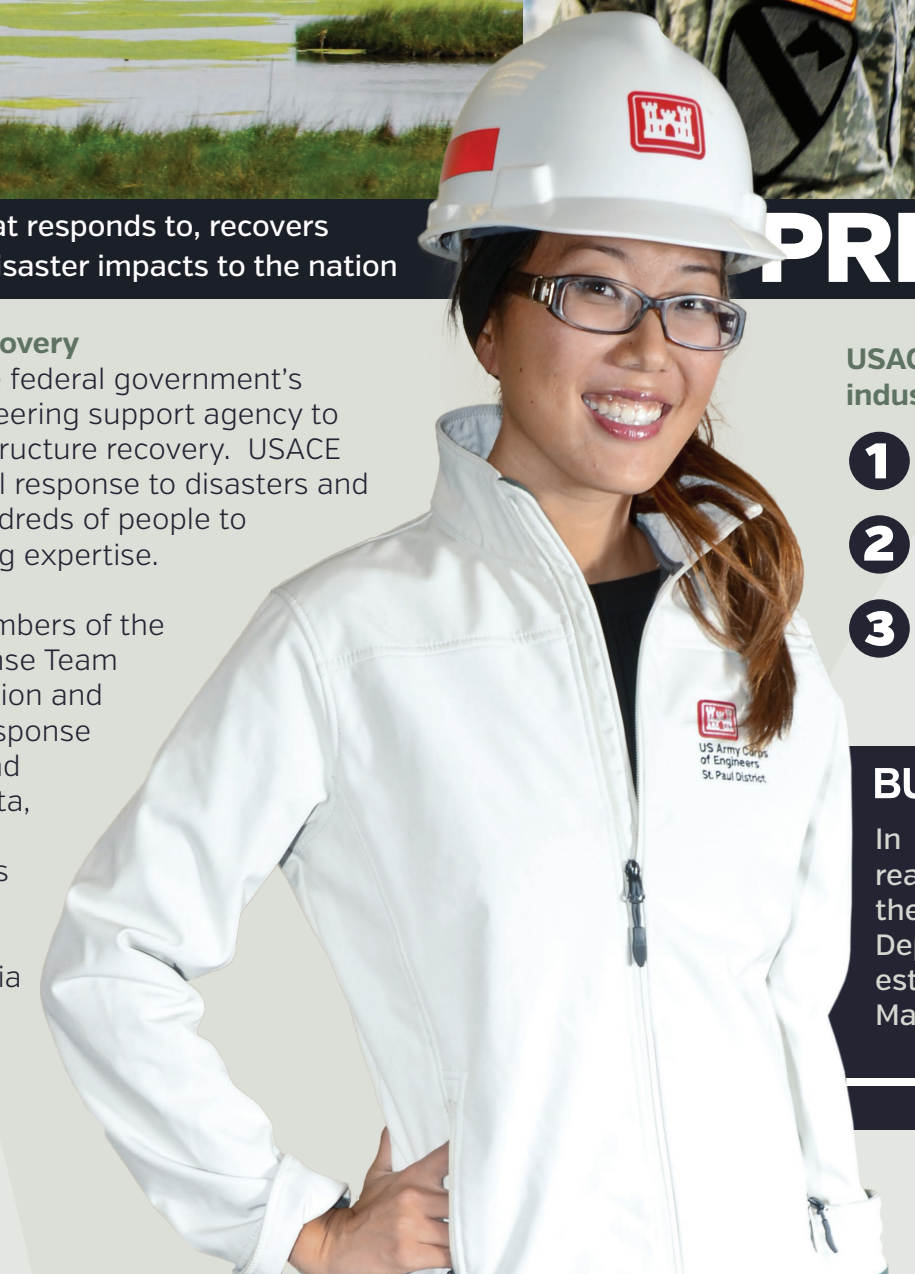
**Flood Risk Reduction**  
USACE reduces disaster risk each day, from routine maintenance on dams to levee safety inspections; to designing and building flood risk reduction systems; to modeling and simulations. By using a watershed approach, USACE reduces flood risk and improves and maintains essential ecosystems.

**Dam Safety**  
USACE's approximately 700 dams are part of our nation's landscape, integral to many communities and critical to watershed management. Dam safety professionals make sure the project's authorized benefits are delivered and risks to people, property and the environment are reduced through continuous assessment, communication and management.

**Levee Safety**  
USACE works with local sponsors to assess, communicate and manage benefits and risks associated with approximately 14,600 miles of levee in its Levee Safety Program.

**Disaster Response and Recovery**  
In any disaster, USACE is the federal government's lead public works and engineering support agency to coordinate long-term infrastructure recovery. USACE is part of the unified national response to disasters and emergencies, deploying hundreds of people to provide technical engineering expertise.

Since 2001, hundreds of members of the USACE Planning and Response Team have traveled across the nation and the globe supporting 9/11 response at the World Trade Center and the Pentagon; Hurricanes Rita, Katrina, and Sandy; Missouri and Mississippi floods; Haiti's earthquake and Japan's earthquake and resulting tsunami; wildfires in California and New Mexico; and tornadoes in Joplin, Missouri and the Midwest.



- USACE focuses on people, technology and collaboration with our federal, local and industry partners:**
- 1 We are investing in the technical competencies and capability of our work force through professional certifications.
  - 2 We are preparing agile leaders through developmental assignments and deployments.
  - 3 We are recruiting engineers and military veterans, particularly those with diverse backgrounds, and our Nation's Recovering Service Members.

**BUILDING STRONG® STEM STUDENTS**  
In order to increase college and career readiness and student interest in STEM, the U.S. Army Corps of Engineers and the Department of Defense Education Activity established a partnership, STEM ED, in May 2013. Unlike other STEM initiatives,

this program is embedded in the classroom and tied to the DoDEA curriculum. The program provides integrated conceptual understanding and face-to-face, long-term interaction with teachers and students.

