

SAME

Lake Michigan Post

Industry Day

COL Paul Culberson

District Commander

Chicago District

May 26, 2022



US Army Corps of Engineers
BUILDING STRONG®

Chicago District Leadership



COL Paul B. Culberson
District Commander



LTC Matthew Broderick
Deputy District
Commander



Felicia Kirksey-Harris
Deputy District
Engineer



Paul Mazzeno
Ops & Regulatory
Dep Div, Chief



Linda Sorn
Engr & Constr
Division Chief



Misty Brock
Contracting Chief



Scott Vincent
Small Business
Deputy



Bob Paluch
Emergency
Management Chief



Tim Kroll
Operations
Branch Chief



Sue Davis
Planning
Branch Chief



Phil Stavrides
Construction
Branch Chief



John Groboski
Engineering
Branch Chief





U.S. Army Corps of Engineers

Great Lakes and Ohio River Division Overview



U.S. ARMY CORPS OF ENGINEERS

MISSION

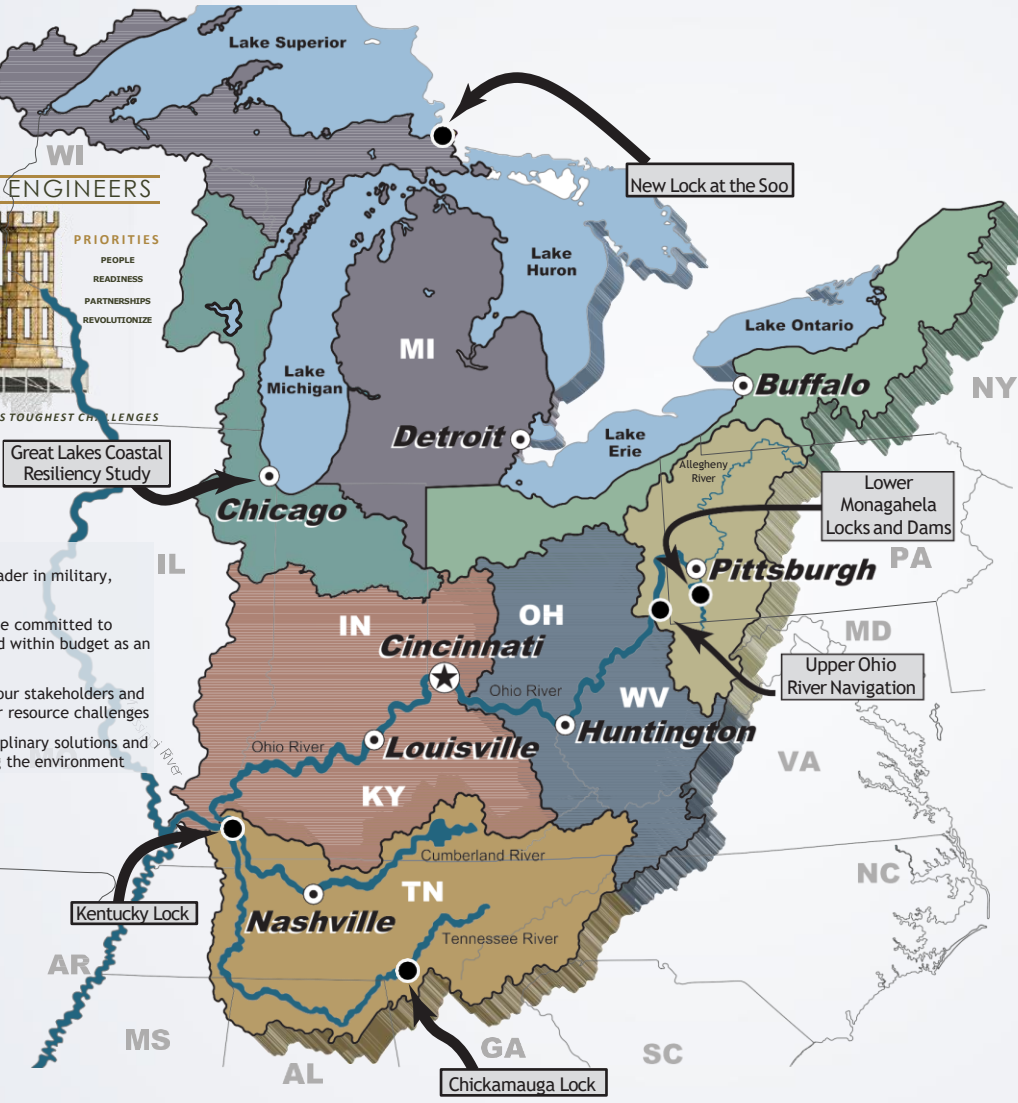
Deliver vital engineering solutions, in collaboration with our partners, to secure our Nation, energize our economy, and reduce disaster risk.

PRIORITIES

PEOPLE
READINESS
PARTNERSHIPS
REVOLUTIONIZE



ENGINEERING SOLUTIONS FOR THE NATION'S TOUGHEST CHALLENGES



- Who We Are:
- We are a globally recognized leader in military, engineering, and science
 - We are a highly skilled workforce committed to completing projects on time and within budget as an ISO-9001 certified organization
 - We work in a cooperation with our stakeholders and partners to solve complex water resource challenges
 - We offer innovative, multi-disciplinary solutions and we are committed to protecting the environment

Legend

- District Office
- ★ Division HQ
- Priority Projects

CIVIL WORKS **\$2.2B** FY21
Supports navigation, environmental, FRM, EM, regulatory, hydropower, and recreation missions

MILITARY PROGRAMS **\$1.77B** in FY21
Supports 10 Army, 4 Air Force, and 3 DoD installations in 5 states
12 major federal partners across 10 states

NAVIGATION **175M tons** shipped annually on the Great Lakes
Average of 193M tons shipped annually on the Ohio River

ENVIRONMENTAL **3,000+** acres of habitat restored on the Great Lakes
2,100+ miles of shery passage restored
1.3M acres of land/water
18,559 acres of mitigation lands

FLOOD RISK MANAGEMENT **25.3M** acre-feet of ood storage capacity
\$3.6B damages prevented in FY20
roughly **25%** of USACE infrastructure

EMERGENCY RESPONSE Coordinate nationwide Emergency Temporary Power

REGULATORY Regulate and permit work in Waters of the U.S.
11,114 permit applications processed in FY21

HYDROPOWER **10** Federally owned hydropower plants **33** Generating units
3,459,542 MWh Generated in FY21

RECREATION **890** recreation areas providing opportunities for active recreation
52M Annual visits that add to local and national economies.



<https://www.lrd.usace.army.mil>

CHICAGO DISTRICT U.S. ARMY CORPS OF ENGINEERS



MISSION

Deliver enduring engineering and water resource solutions to the Nation, in collaboration with partners, to protect the environment, energize the economy, and strengthen our national security.

VISION

Innovative and respected professionals, dedicated to solving the Nation's toughest engineering challenges.

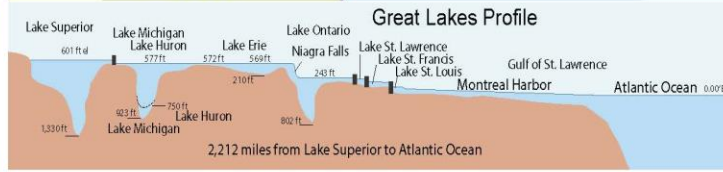
THE CHICAGO DISTRICT

The Chicago District is responsible for water resources development in the Chicago metropolitan area, upper Illinois River watershed, Lake Michigan watershed in Wisconsin, and the upper Wabash River watershed in Indiana – an area of about 31,500 square miles. The district delivers vital engineering services through flood and coastal storm risk management, navigation, aquatic ecosystem restoration, regulatory, emergency management, recreation, and interagency support services.

SERVING NATIONWIDE



GREAT LAKES RIVERS AND PROFILE



STRENGTH TO THE NATION

The Great Lakes Navigation System (GLNS) is a complex deep-water navigation system stretching 1,600 miles through all five Great Lakes; connecting channels from Duluth, Minnesota to Ogdensburg, New York. The Corps of Engineers' mission to maintain the non-linear system comprised of interdependent locks, ports, harbors, and navigation channels, dredged material disposal facilities, and navigation structures is essential to preserving the health and vitality of the region and the nation in an environmentally sustainable manner.

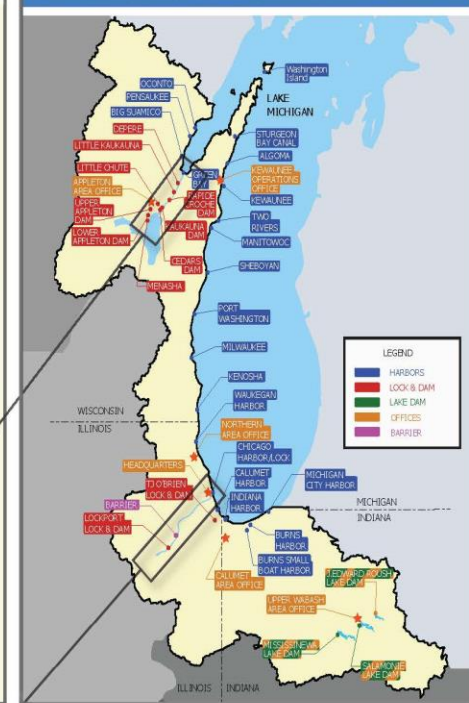
- The GLNS contains 19 of the Nation's top 100 harbors by tonnage.
- The GLNS handles nearly 10% of the nation's waterborne domestic traffic commodities.
- Comprised of 60 larger commercial ports and harbors and 80 smaller recreational harbors.
- GLNS saves shippers approximately \$3.9 billion per year over more costly transportation modes such as road or rail.
- GLNS moves approximately 122 million tons of commodities every year.
- GLNS supports 147,000 jobs within the U.S., while resulting \$25.6 billion in business revenue, annually.
- Chicago District is responsible for 21 harbors on the western and southern shores of Lake Michigan.



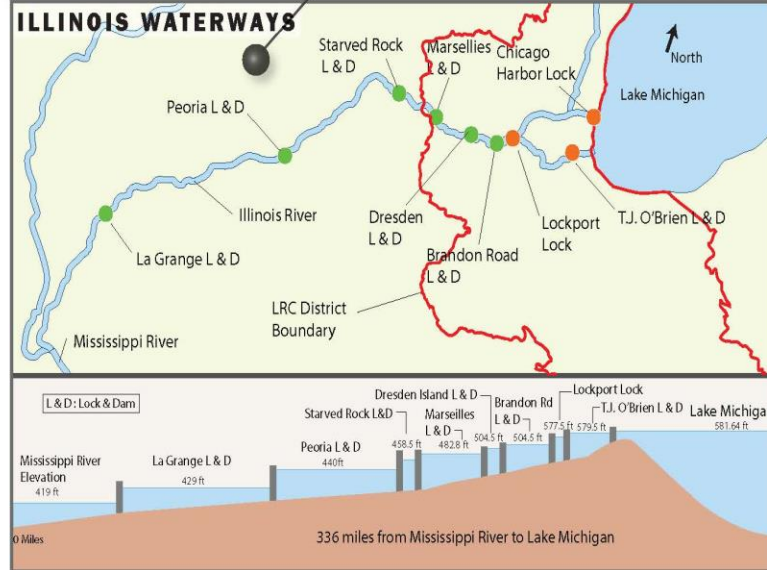
FOX RIVER DAMS



CHICAGO DISTRICT BOUNDARIES



ILLINOIS WATERWAYS



COL Paul Culberson
Commander & District Engineer

LTC Matthew Broderick
Deputy Commander

Steve Fischer
Deputy District Engineer

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CIVIL WORKS PROJECTS



Flood Risk Management



Aquatic Ecosystem Restoration



Navigation



Recreation



Invasive Species

CIVIL WORKS BUDGET

APPROPRIATIONS/PROJECT	BUSINESS LINE	FY22 ENACTED	FY22 IJJA	FY23 PRESIDENT'S BUDGET	FY23 IJJA
Construction					
Calumet Harbor & River, IL & IN	Navigation	\$9.1M	-	-	-
Calumet Region Environmental Infrastructure, IN	Environmental Infrastructure	\$10M	-	-	-
Cook County Environmental Infrastructure, IL	Environmental Infrastructure	-	\$4M	-	-
Indiana Harbor Confined Disposal Facility	Navigation	\$18.4M	-	-	-
Indiana Shoreline Erosion, IN	Flood Risk Management	\$2.7M	-	-	-
T.J. O'Brien Lock & Dam, Illinois Waterway, IL (Major Rehab)	Navigation	-	\$52.5M	-	-
Investigations					
Chicago Shoreline General Reevaluation Report	Flood Risk Management	\$500K	\$1.5M	-	-
Great Lakes Coastal Resiliency Study	Flood Risk Management	\$500K	-	\$600K	-
Kewaunee Harbor, WI	Navigation	-	-	-	-
Manitowoc Harbor, WI	Navigation	-	-	-	-
Upper Des Plaines River and Tribs (DPII)	Flood Risk Management	\$1.1M	-	-	-
Upper Des Plaines River and Tribs (DPII)	Aquatic Ecosystem Restoration	\$425K	-	-	-
Operations & Maintenance					
Algoma Harbor, WI	Navigation	-	\$19.2M	\$7.5M	-
Big Suamico River, WI	Navigation	-	\$500K	-	\$1.2M
Burns Waterway Harbor, IN	Navigation	\$1.5M	-	\$2.2M	-
Burns Waterway Small Boat Harbor, IN	Navigation	-	-	\$8K	-
Calumet Harbor & River, IL & IN	Navigation	\$5M	-	\$6.4M	-
Chicago Harbor, IL	Navigation	\$16.8M	-	\$5M	\$14.9M
Chicago River, IL	Flood Risk Management	\$635K	-	\$653K	-
Chicago Sanitary & Ship Canal Dispersal Barrier, IL	Aquatic Ecosystem Restoration	\$3M	\$6.8M	\$14.3M	-
Fox River, WI	Flood Risk Management	\$3.4M	\$1.5M	\$7.7M	\$3.4M
Green Bay Harbor, WI	Navigation	\$3.1M	-	\$3.4M	-
Illinois Waterway, IL & IN	Navigation	\$5.8M	\$360K	-	\$27.7M
Indiana Harbor, IN	Navigation	\$8.2M	-	\$8.7M	-
J. Edward Roush Lake, IN	FRM, Env. Stewardship, Recreation	\$2M	-	\$2.4M	-
Kenosha Harbor, WI	Navigation	\$730K	-	\$3.5M	-
Kewaunee Harbor, WI	Navigation	\$462K	-	\$952K	-
Lake Michigan Diversion Accounting, IL	Navigation	\$1.2M	-	\$1.5M	-
Manitowoc Harbor, WI	Navigation	\$830K	-	\$562K	-
Michigan City Harbor, IN	Navigation	\$10K	\$7M	\$10K	-
Milwaukee Harbor, WI	Navigation	\$3.1M	-	\$10M	-
Mississinewa Lake, IN	FRM, Env. Stewardship, Recreation	\$1.9M	-	\$1.8M	-
Oconto Harbor, WI	Navigation	-	-	\$5K	-
Pensaukee Harbor, WI	Navigation	-	-	\$4K	-
Port Washington Harbor, WI	Navigation	-	-	\$5K	-
Salamonie Lake, IN	FRM, Env. Stewardship, Recreation	\$3.2M	-	\$6.5M	-
Sheboygan Harbor, WI	Navigation	-	-	\$5K	-
Sturgeon Bay Harbor, WI	Navigation	\$629K	-	\$5.6M	-
Two Rivers Harbor, WI	Navigation	\$20K	-	\$211K	-
Waukegan Harbor, IL	Navigation	\$11K	-	\$15K	-
TOTAL		\$104.M	\$93M	\$90M	\$47.2M

OPERATIONS & NAVIGATION

Value to the Nation

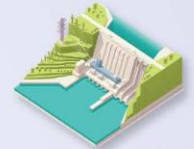
21 Harbors

- 14 Commercial
- 7 Recreational



12 Dams

- Upper Wabash Dams prevented **\$1.6 Billion** in flood damages since construction



3 Locks



- Chicago Harbor Lock (2021): **9,101** lockages, **400,000** passengers, and about **54,063** vessels
- T.J. O'Brien Lock & Dam: **4,794** lockages and **11,370** vessels
- Lockport Lock: **3,573** lockages and **3,946** vessels

CHALLENGES



- Hiring & Retention
- Supply Chain Delays
- Material Cost Increases

OPPORTUNITIES

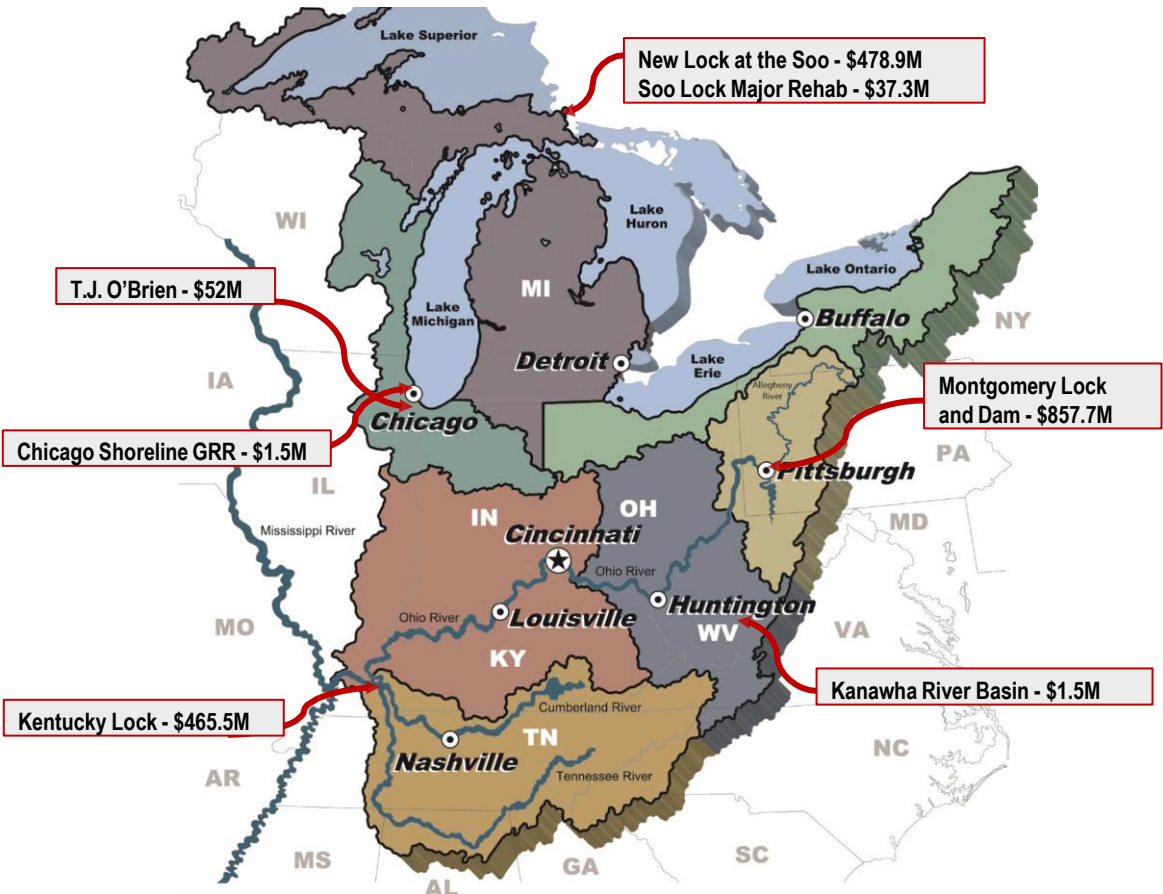
- Work Plan FY22
- President's Budget FY23
- IJJA FY23
- IJJA Regional Contracts





Great Lakes and Ohio River Division

FY22 Infrastructure Investment and Jobs Act / Disaster Relief Supplemental Appropriations Act



Operations & Maintenance	IIJA	DRSAA
State of Illinois	90.090M	\$0
State of Indiana	\$7.950M	\$0
State of Kentucky	\$18.382M	\$202.965M
State of Michigan	\$19.250M	\$1.150M
State of Minnesota	\$19.000M	\$500k
State of New York	\$20.695M	\$0
State of Ohio	\$13.576M	\$0
State of Pennsylvania	\$3.155	\$0
State of Tennessee	\$10.715M	\$172.600M
State of Wisconsin	\$21.166M	\$0
State of West Virginia	\$1.109M	\$0
Region	\$224.988M	\$377.215M

- The IIJA and DRSAA provided \$2.463 Billion in FY22 for the Great Lakes and Ohio River Division.
- Funding in the IIJA is included for major Civil Works mission areas to include navigation, aquatic ecosystem restoration, and flood damage reduction while DRSAA is focused on storm damage repairs.
- Funding provided in the IIJA will enable LRD to develop, manage, restore, and protect water resources through the construction, operation and maintenance, and study of water-related infrastructure projects. The Act's appropriations will also enable USACE to regulate development in waters of the United States.

Chicago District



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