

WATER IS GOOD FOR TEXAS

CANALS

INDUSTRY

IRRIGATION

DRINKING WATER

CANALS IN TEXAS SERVE TWO PURPOSES.

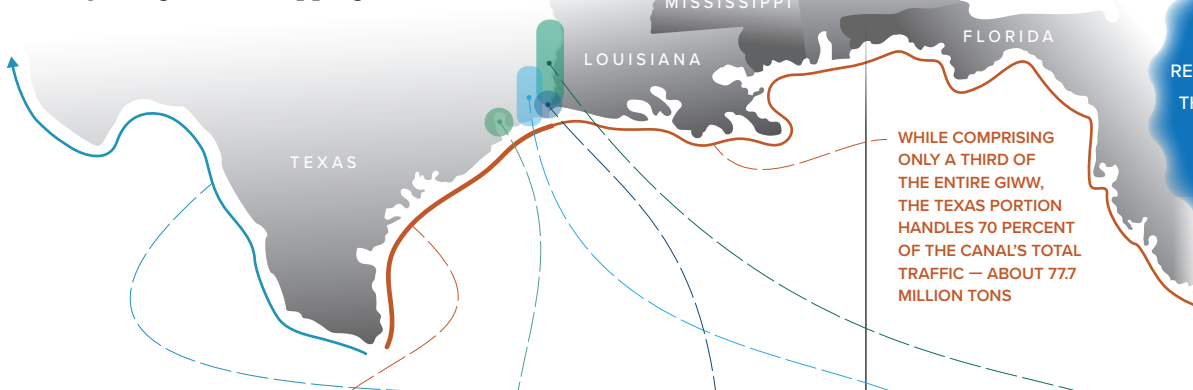
They provide a means of maritime transportation, and they provide water for industry, irrigation and drinking. Texas, along with the U.S. Army Corps of Engineers and neighboring states, is responsible for a large, interconnected canal system that supplies not only water, but provides access to Texas' many deep-draft ports and inland waterways through the Gulf Intracoastal Waterway. This waterway connects Texas to international trade networks and is a significant boost for jobs and economic development.

INDUSTRY, IRRIGATION AND WATER SUPPLY CANALS

Once water is sourced, either as groundwater, surface water or reclaimed water, it is transported to its various commercial and residential destinations through canals. Canals provide a simple and low-energy means of transporting water from a source to local distribution centers through gravity.

TRANSPORTATION CANALS

Solely designed for shipping and maritime traffic.



LNVA MANAGES AND COORDINATES RELEASES OF WATER IN THE SAM RAYBURN RESERVOIR AND LAKE B.A. STEINHAGEN. THE DISTRIBUTION SYSTEM DELIVERS FRESH WATER TO EIGHT CITIES, 26 INDUSTRIES AND MORE THAN 100 IRRIGATED FARMS IN THE REGION.

MAJOR TEXAS TRANSPORTATION CANALS

- GULF COAST INTRACOASTAL WATERWAY (GIWW)**
- HOUSTON SHIP CHANNEL**
- SABINE-NECHES WATERWAY**

MAJOR TEXAS INDUSTRY, IRRIGATION AND WATER SUPPLY CANALS

- LOWER NECHES VALLEY AUTHORITY CANAL SYSTEM**
- JOHN W. SIMMONS GULF COAST CANAL SYSTEM**
- RIO GRANDE PROJECT**

	MAJOR TEXAS TRANSPORTATION CANALS	MAJOR TEXAS INDUSTRY, IRRIGATION AND WATER SUPPLY CANALS
LOCATION	<p>GULF COAST INTRACOASTAL WATERWAY (GIWW): STRETCHES FROM SOUTHERNMOST TEXAS TO NORTHERN FLORIDA FOR A TOTAL OF 1,100 MILES. TEXAS PORTION IS 379 MILES LONG.</p> <p>HOUSTON SHIP CHANNEL: STRETCHES FROM DOWNTOWN HOUSTON TO THE GULF OF MEXICO. FEEDS INTO GIWW.</p> <p>SABINE-NECHES WATERWAY: CONNECTS BEAUMONT, PORT ARTHUR, ORANGE AND SABINE PASS TO THE GULF OF MEXICO. FEEDS INTO GIWW.</p>	<p>LOWER NECHES VALLEY AUTHORITY CANAL SYSTEM: INCLUDES PARTS OF JEFFERSON, LIBERTY AND CHAMBERS COUNTIES. CONSISTS OF 416 MILES OF CANALS.</p> <p>JOHN W. SIMMONS GULF COAST CANAL SYSTEM: ORANGE, TEXAS, AND FLOWS THROUGHOUT ORANGE COUNTY AND PARTS OF NEWTON COUNTY. CONSISTS OF 75 MILES OF CANALS.</p> <p>RIO GRANDE PROJECT: RIO GRANDE RIVER VALLEY, COVERING PARTS OF WEST TEXAS, SOUTH CENTRAL NEW MEXICO AND NORTHERN MEXICO. CONSISTS OF: • 141 MILES OF CANALS. • 462 MILES OF LATERALS. • 457 MILES OF DRAINS.</p>
MAINTAINING ORGANIZATION	<p>GULF COAST INTRACOASTAL WATERWAY (GIWW): U.S.: U.S. ARMY CORPS OF ENGINEERS WITH INPUT FROM EACH EFFECTED GULF COAST STATE. TEXAS: TEXAS DEPARTMENT OF TRANSPORTATION ASSISTS IN PLANNING AND PROCURING LAND FOR DREDGING.</p> <p>HOUSTON SHIP CHANNEL: PORT OF HOUSTON. U.S. ARMY CORPS OF ENGINEERS.</p> <p>SABINE-NECHES WATERWAY: SABINE-NECHES NAVIGATION DISTRICT. U.S. ARMY CORPS OF ENGINEERS.</p>	<p>LOWER NECHES VALLEY AUTHORITY CANAL SYSTEM: LOWER NECHES VALLEY AUTHORITY.</p> <p>JOHN W. SIMMONS GULF COAST CANAL SYSTEM: SABINE RIVER AUTHORITY OF TEXAS – GULF COAST DIVISION.</p> <p>RIO GRANDE PROJECT: U.S. BUREAU OF RECLAMATION.</p>
BENEFITS	<p>GULF COAST INTRACOASTAL WATERWAY (GIWW): CONTRIBUTED UP TO \$31.7 BILLION TO TEXAS' GDP IN 2018. TEXAS HANDLES 70% OF THE TOTAL GIWW TRAFFIC.</p> <p>HOUSTON SHIP CHANNEL: CONTRIBUTED UP TO \$337 BILLION IN STATE ECONOMIC VALUE 2018.</p> <p>SABINE-NECHES WATERWAY: LARGEST CRUDE OIL AND LNG EXPORTER IN THE U.S. SUPPORTS NEARLY 375,000 U.S. JOBS.</p>	

Source: Texas Water Development Board

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Texas Comptroller of Public Accounts

THIS IS ONE IN A SERIES OF REPORTS THE COMPTROLLER HAS PREPARED ON WATER IN TEXAS

TO SEE MORE INFORMATION ON WATER ISSUES AND THE TEXAS ECONOMY: <https://comptroller.texas.gov/economy/economic-data/water/>