



WATER SUPPLY PARTNERSHIPS

SHARON CITINO

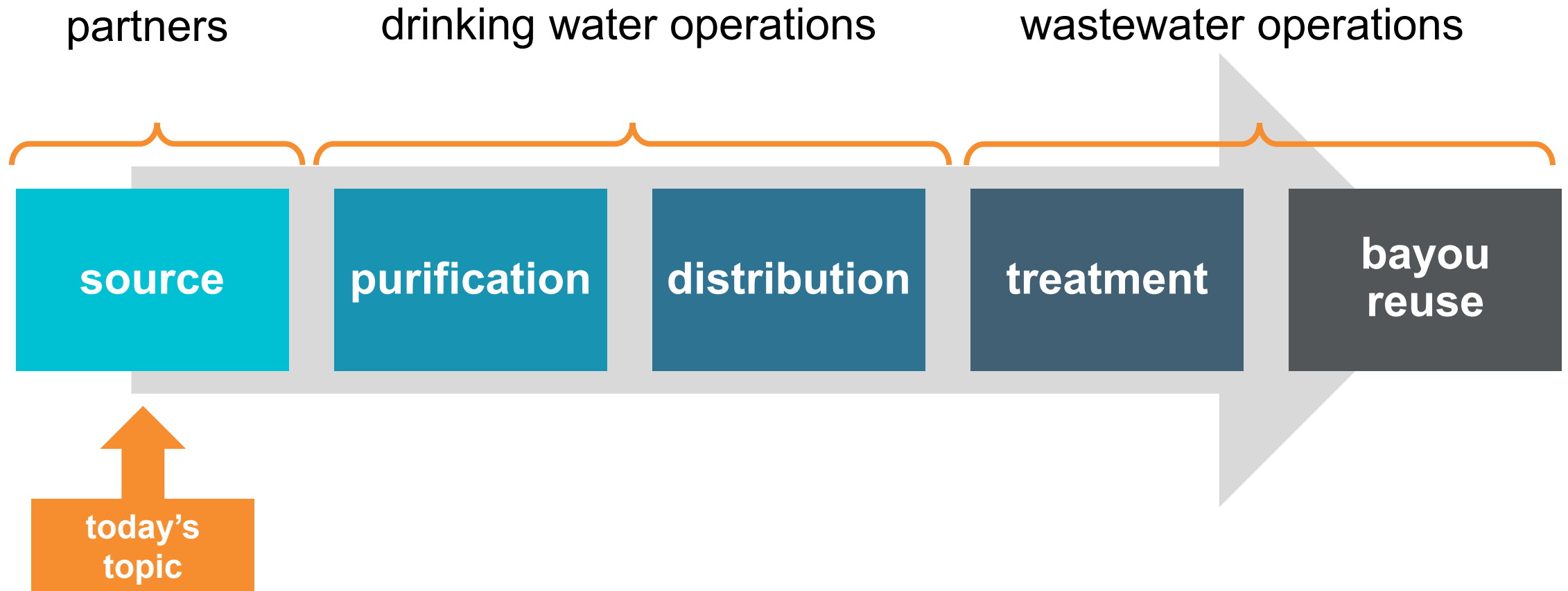
PLANNING DIRECTOR, HOUSTON WATER

VERONICA OSEGUEDA

WATER SUPPLY MANAGER, HOUSTON WATER

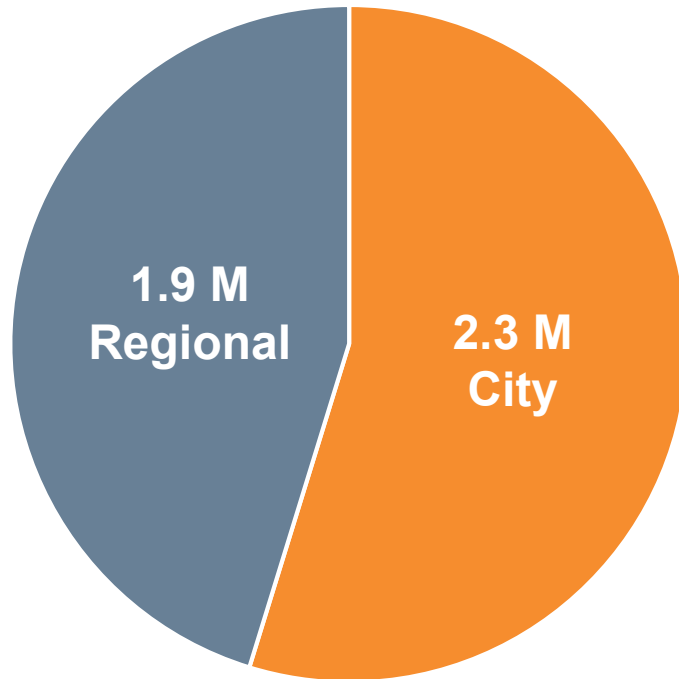


WATER CYCLE



WATER SYSTEM

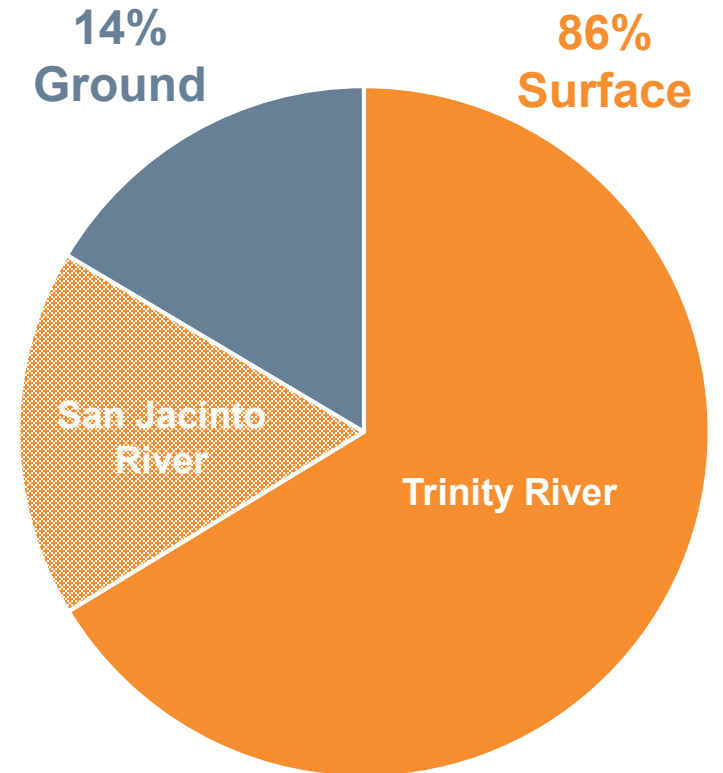
Customers

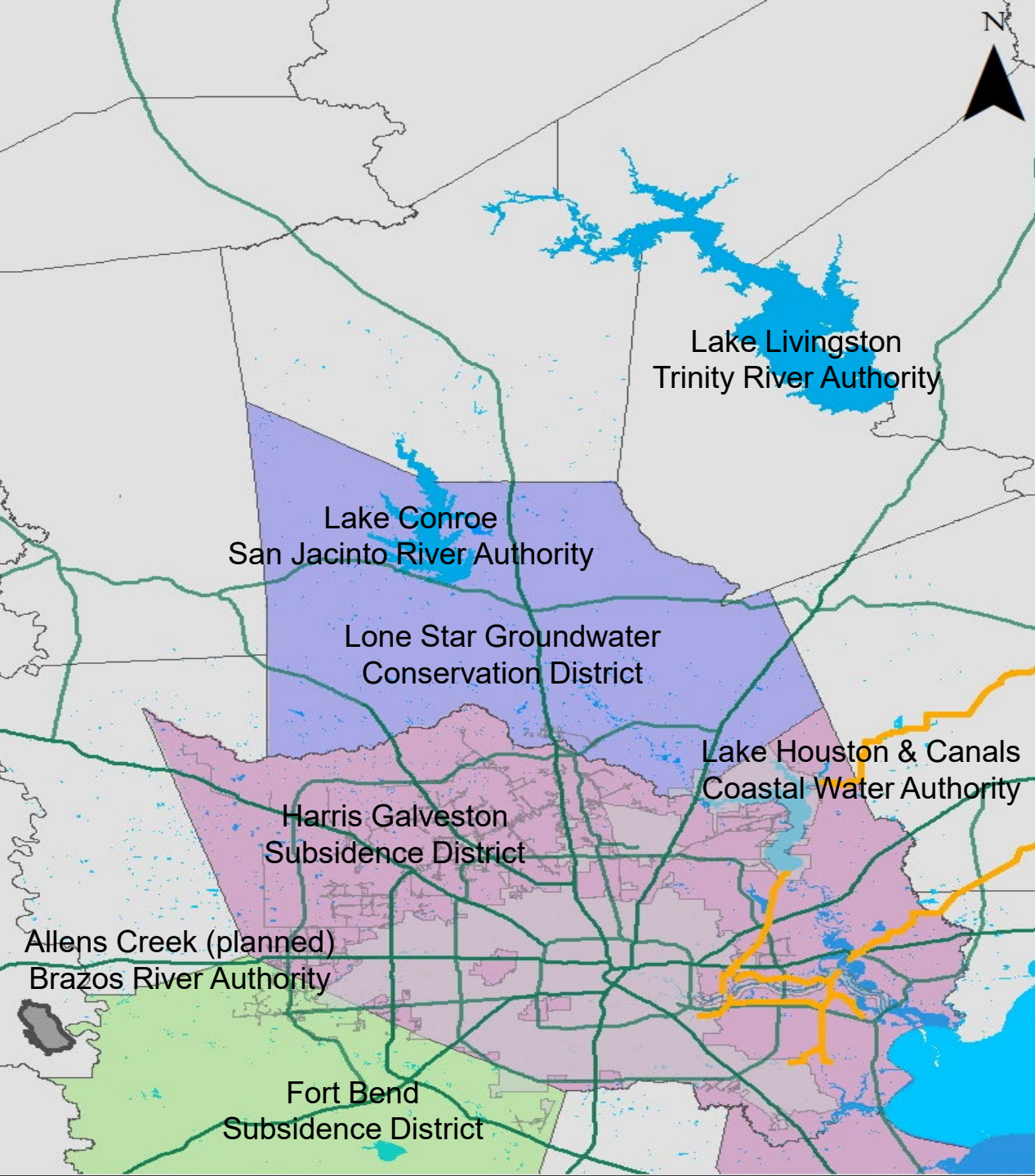


Available Supply

1.4 B
gallons per day

Sources





PARTNERS

Trinity River Authority

Coastal Water Authority

San Jacinto River Authority

Brazos River Authority

Harris Galveston Subsidence
District

Lone Star Groundwater
Conservation District

Fort Bend Subsidence District



SURFACE WATER SUPPLY

1.2 billion gallons per day

3 river basins

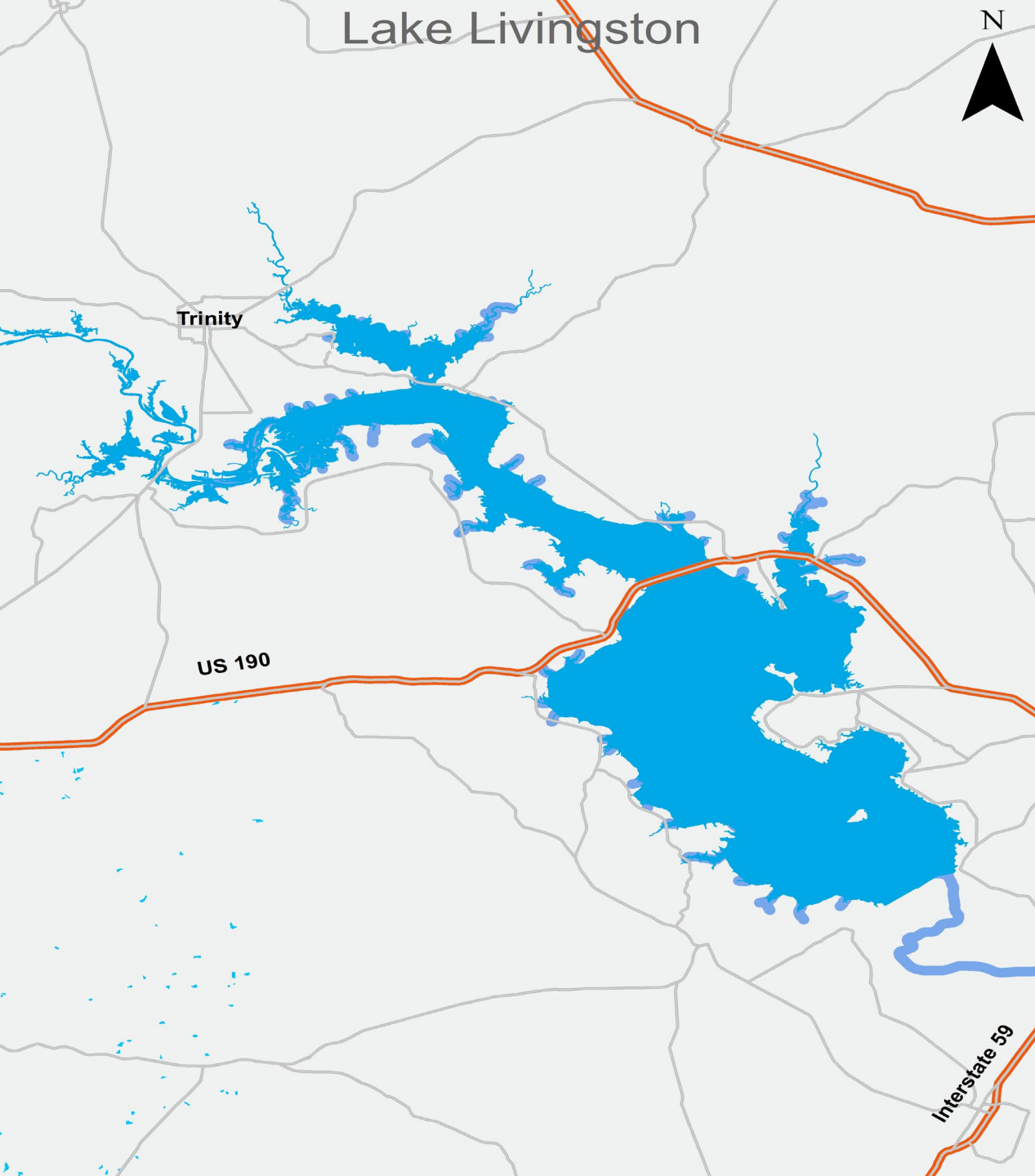
4 reservoirs

Lake Livingston

Lake Houston

Lake Conroe

Allens Creek (planned)



TRINITY RIVER AUTHORITY

operates & maintains:

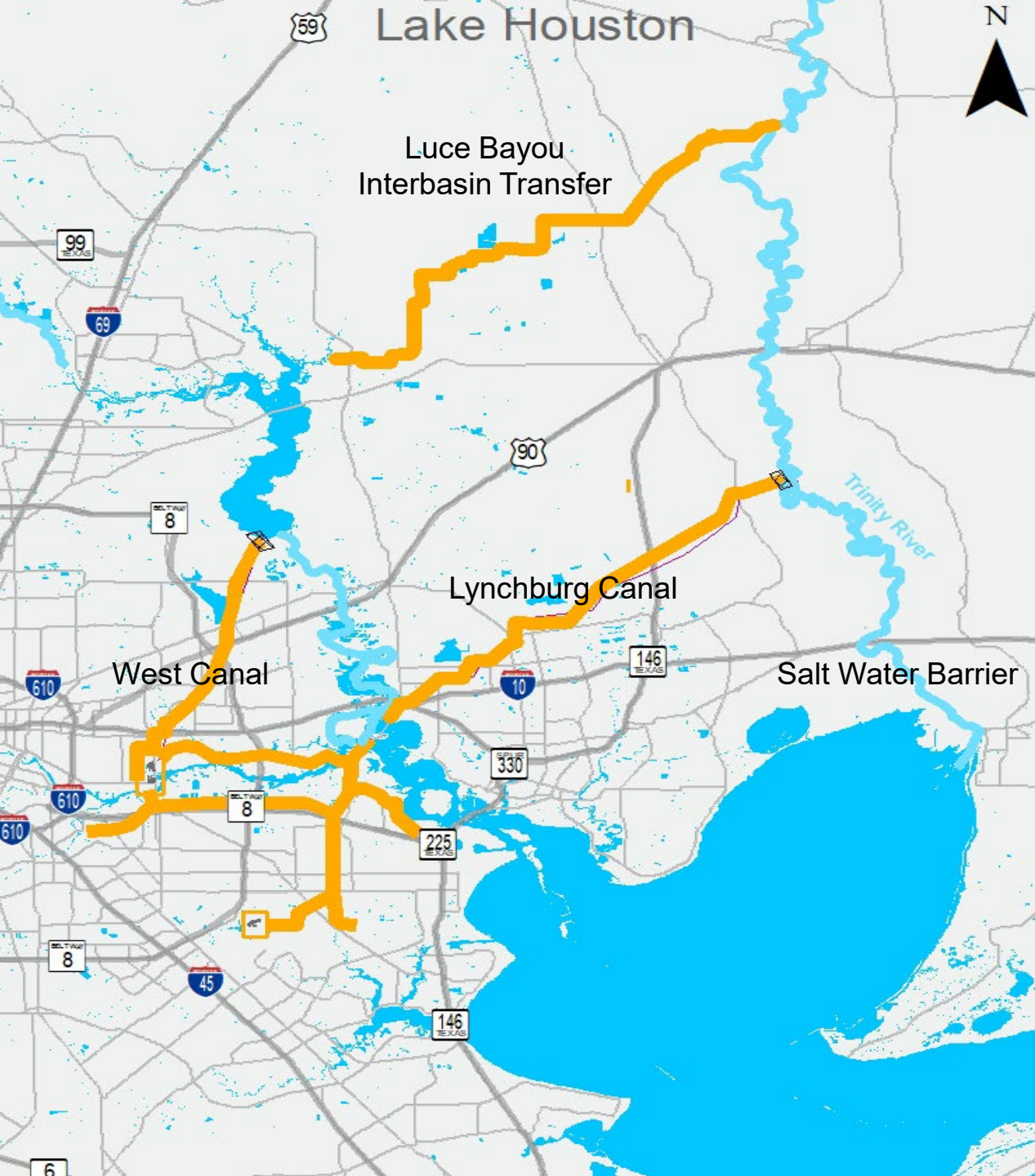
Lake Livingston Dam

constructed 1969

share 70% Houston

city water 806 million gallons per day

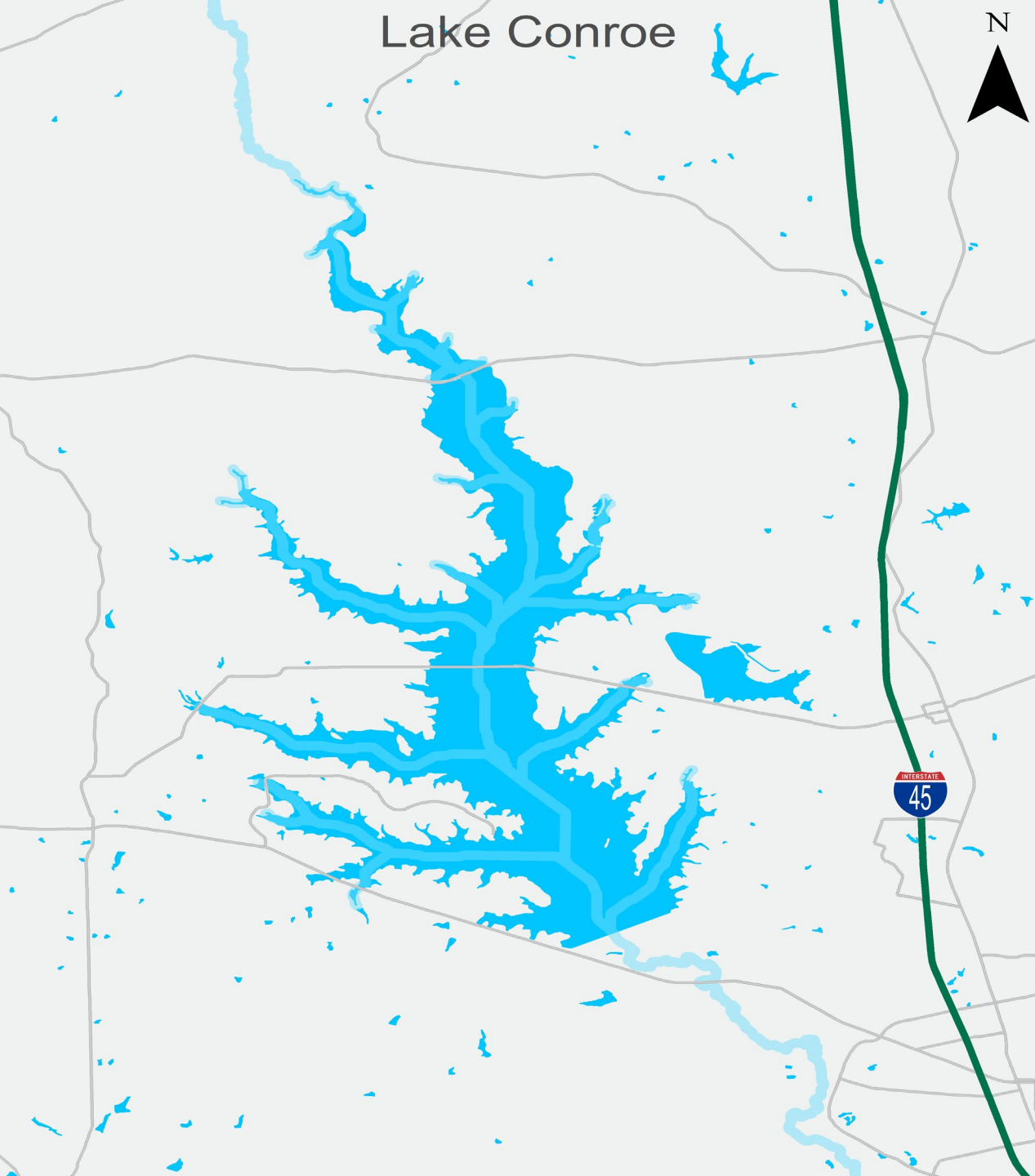
Salt Water Barrier



COASTAL WATER AUTHORITY

operates & maintains:

- Lake Houston Dam
constructed 1953
- share** 100% Houston
city water 150 million gallons per day
- Trinity River Conveyance System
- Luce Bayou Interbasin Transfer
Project



SAN JACINTO RIVER AUTHORITY

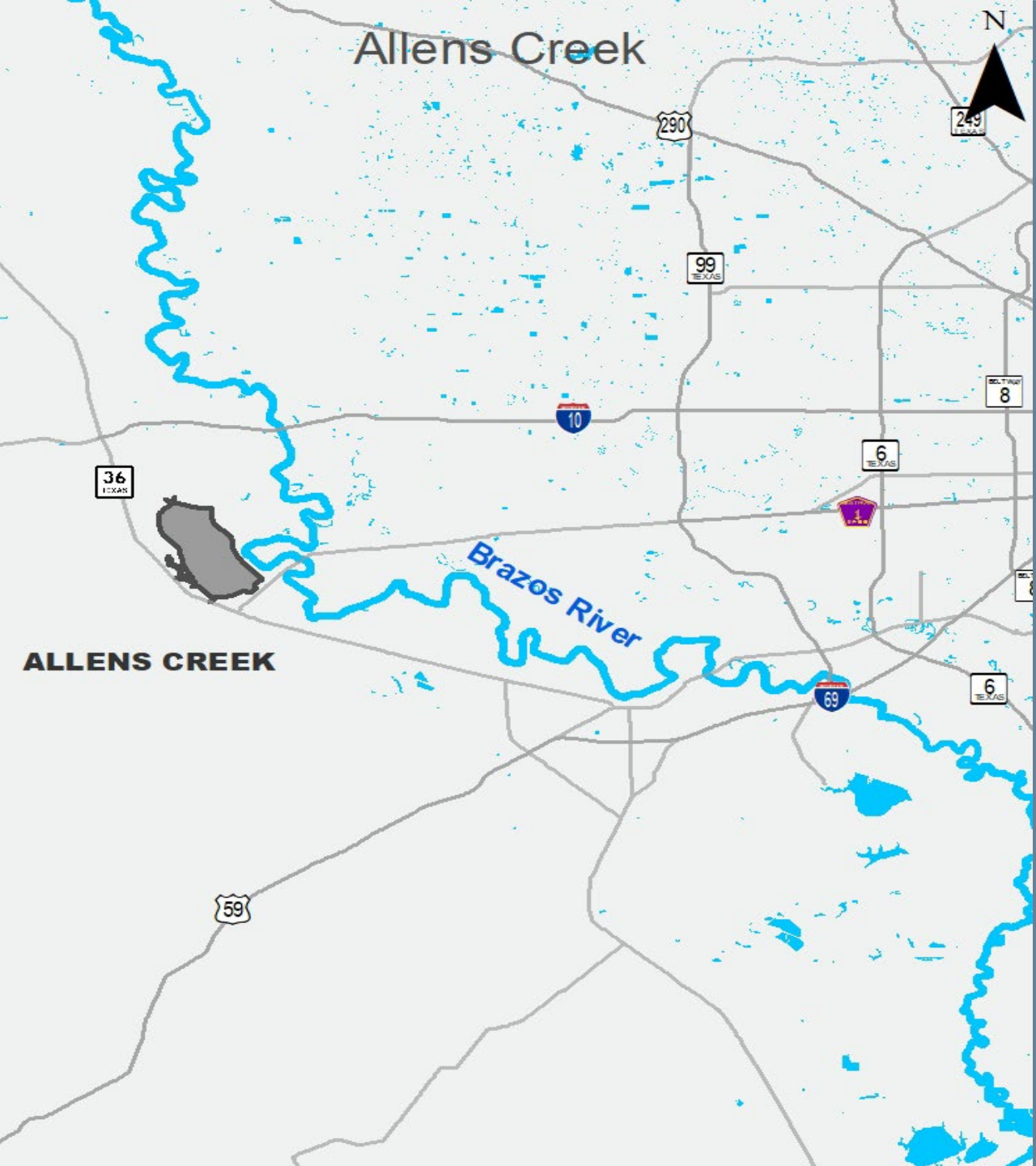
operates & maintains:

Lake Conroe

constructed 1973

city water 66% Houston

capacity 59.5 million gallons per day



BRAZOS RIVER AUTHORITY

Allens Creek (planned)

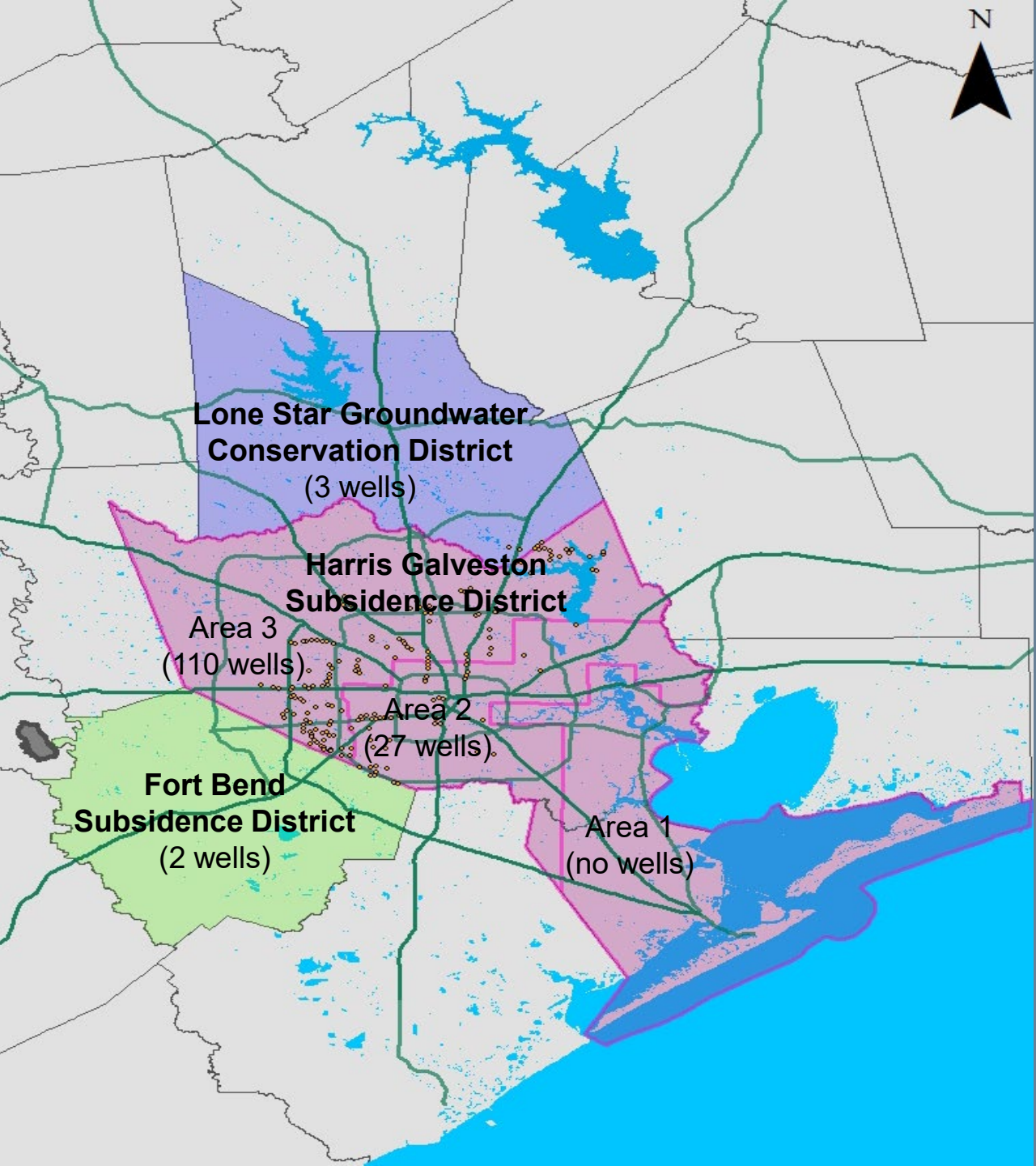
constructed must be started by 2025

share 70% Houston

city water 91 million gallons per day

Permitting and design work

imminent

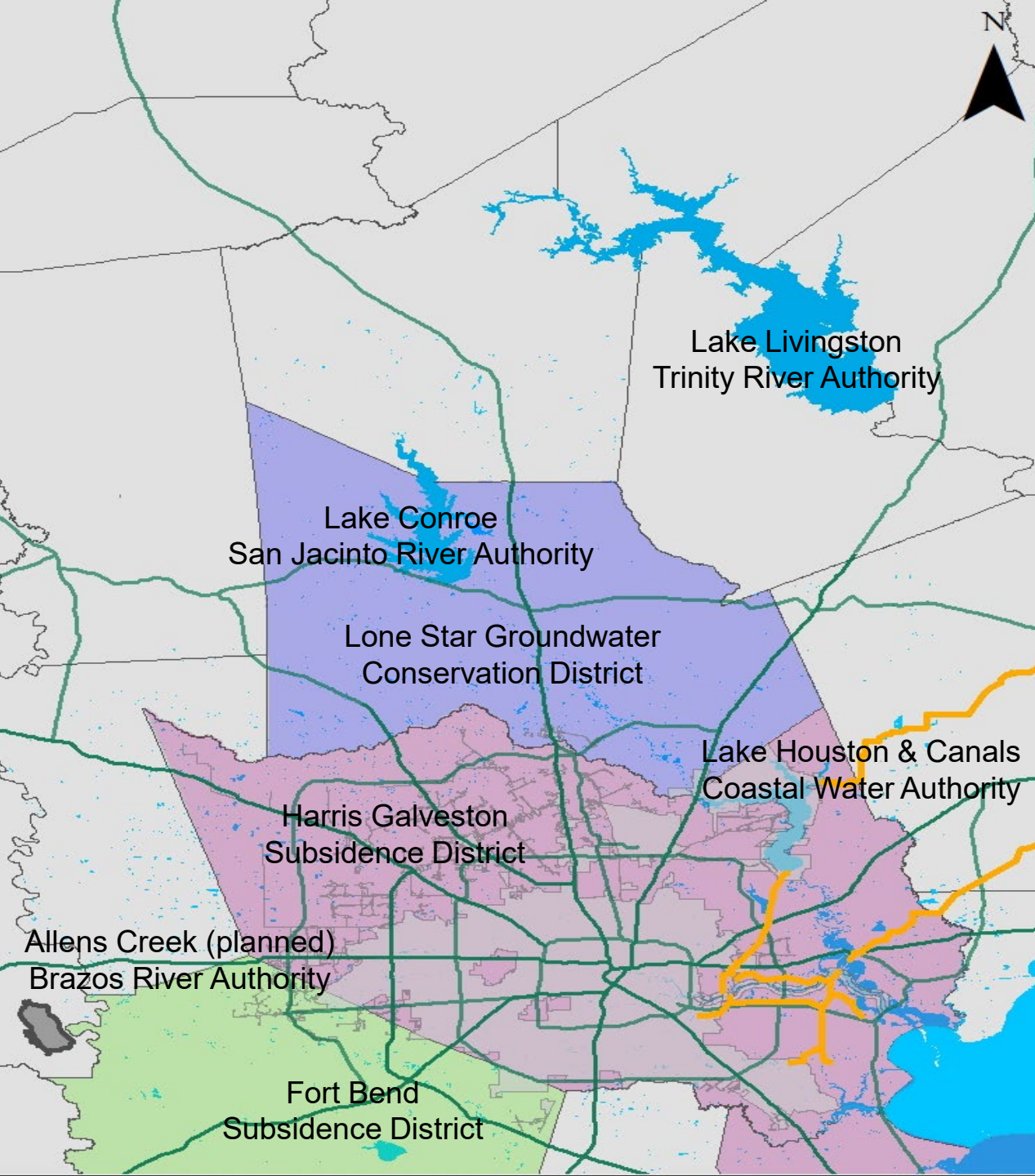


GROUNDWATER SUPPLY

PARTNER	MAX USAGE	HOUSTON USAGE
Harris Galveston Subsidence District		
Area 1	10%	0%
Area 2	20%	10%
Area 3	70%*	45.5%**
Fort Bend Subsidence District	500 M gallons	179.8 M gallons
Lone Star Groundwater Conservation District	501 M gallons	208 M gallons

*through 2025; in 2025, reduced to 40%

**includes GRP Participant wells; Houston-only wells usage is 37%



PARTNERS

Trinity River Authority

Coastal Water Authority

San Jacinto River Authority

Brazos River Authority

Harris Galveston Subsidence
District

Lone Star Groundwater
Conservation District

Fort Bend Subsidence District

UPCOMING COUNCIL ACTIONS

PARTNER	PURPOSE	FUNDING	TIMING
Trinity River Authority	appropriation of funds for Livingston Dam Gate Rehabilitation Project	\$8,621,528	winter
	approval of Lake Livingston 2020 operation & maintenance budget*	\$4,763,498	spring
Coastal Water Authority	approval of Lake Houston Dam Spillway Improvements Project interlocal agreement & appropriation of funds**	\$4,375,199	winter
	approval of Lake Houston Dam 2020 operation & maintenance budget*	\$5,196,900	spring
	approval of Trinity River Conveyance System 2020 operation & maintenance budget*	\$21,594,600	spring
	approval of Luce Bayou Interbasin Transfer Project 2020 operation & maintenance budget*	\$2,479,000	spring

* appropriation through adoption of City of Houston annual budget

** reimbursable through grant funds excluding City/Harris County Flood Control District local match

UPCOMING COUNCIL ACTIONS

PARTNER	PURPOSE	FUNDING	TIMING
San Jacinto River Authority	approval of cost sharing & operation & maintenance agreement	N/A	summer
	approval of Lake Conroe operation & maintenance budget*	\$5,690,852	fall
Harris Galveston Subsidence District	appropriation of funds for 2020 groundwater well permit fees	\$1,032,000	winter

* appropriation through adoption of City of Houston annual budget

thank you!



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