



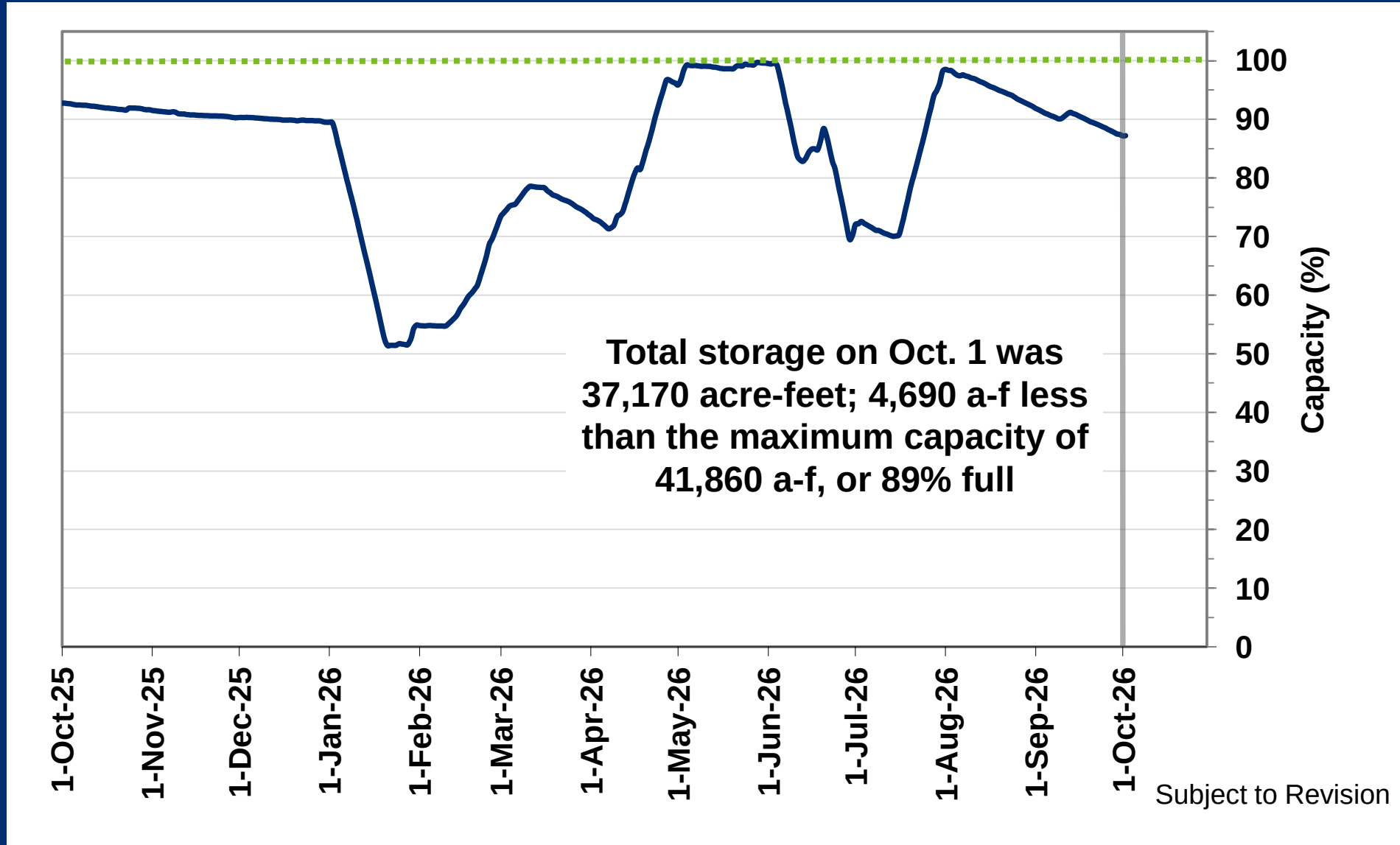
Water Supply Projects Update

Water Operations Committee
Meeting

Oct. 20, 2026



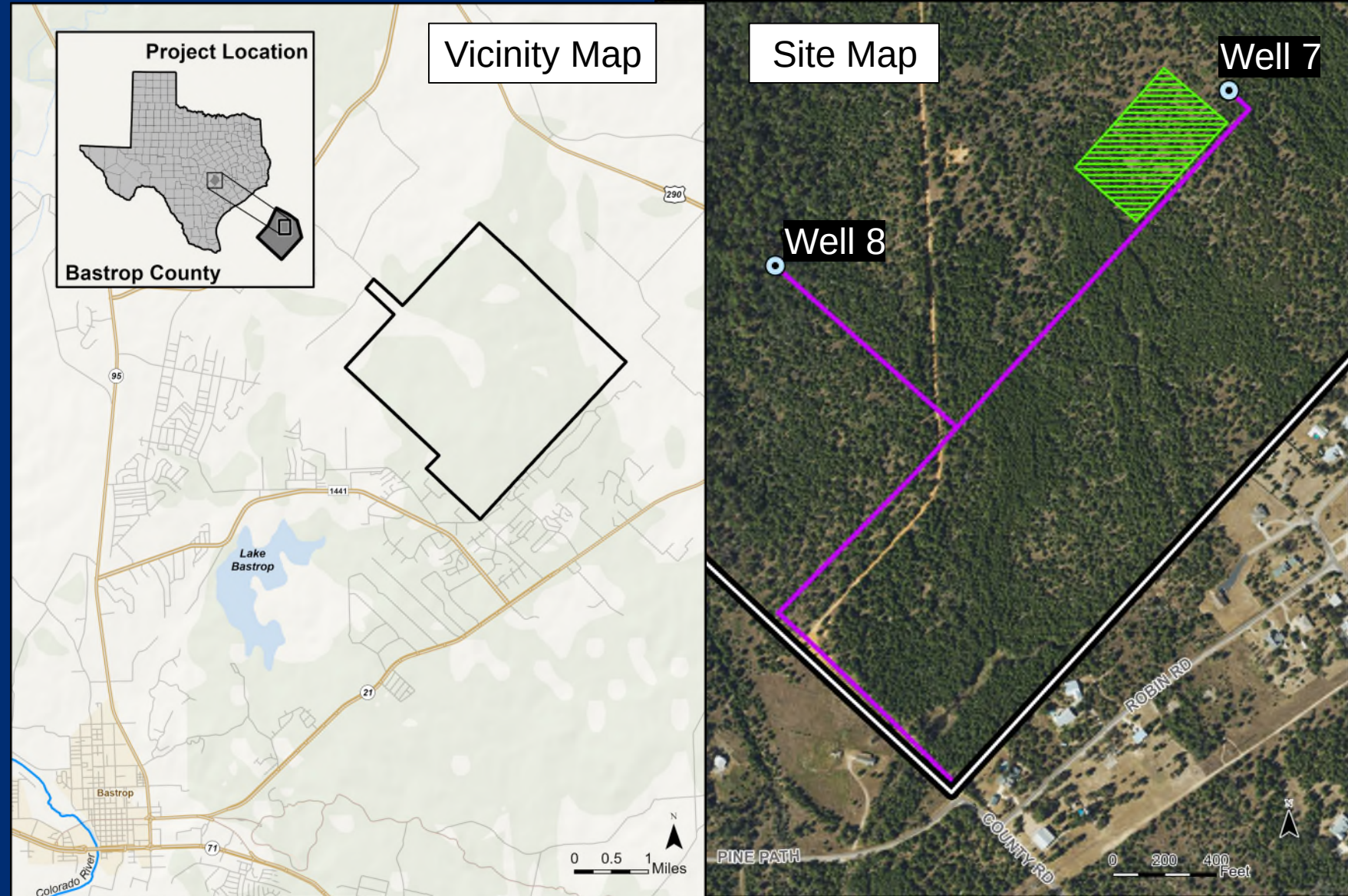
Arbuckle Reservoir Percent Full



Griffith League Ranch Groundwater

Groundwater
permit for
8,000 a-f per year

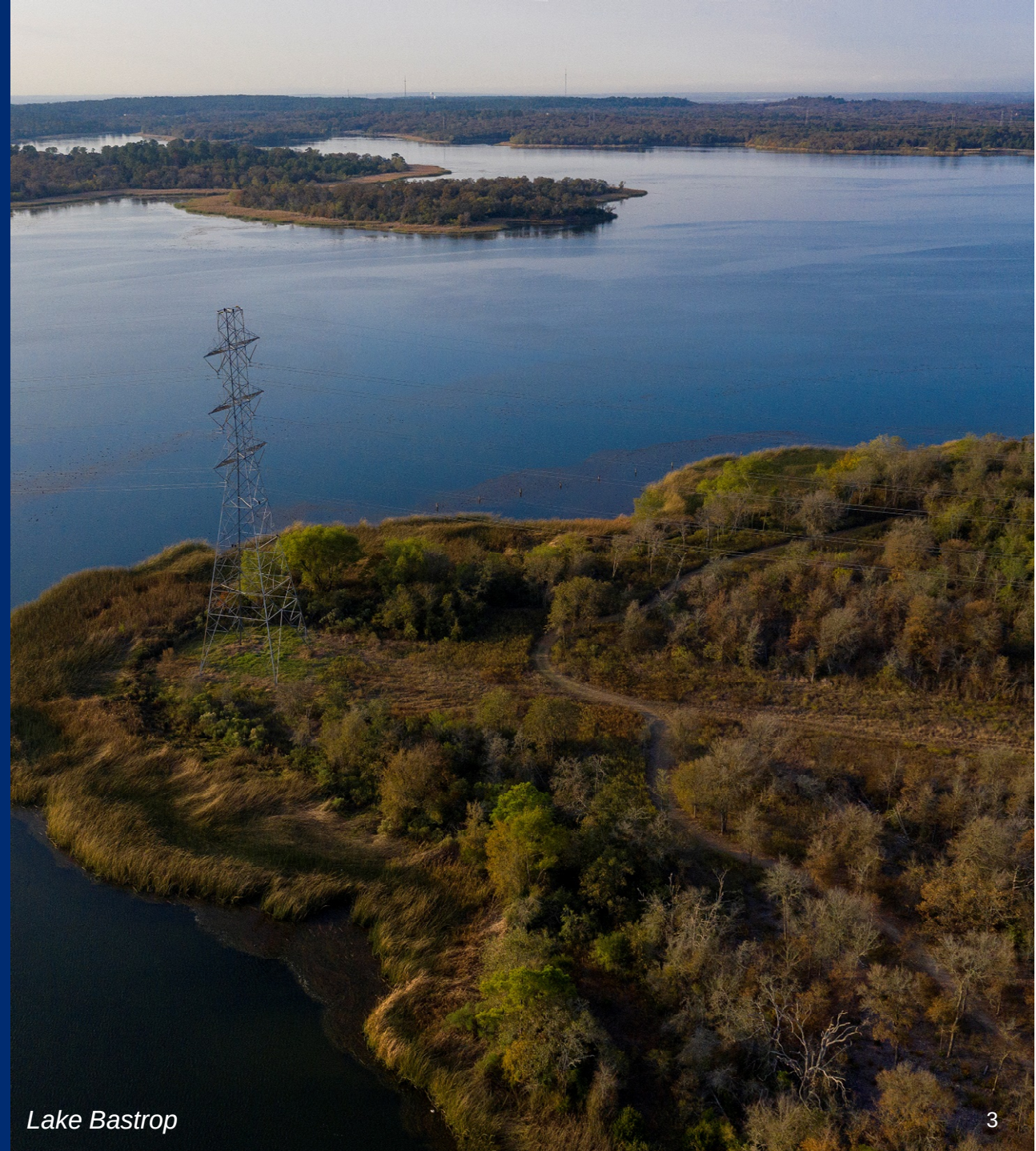
Making progress
on required
federal permits



Lake Bastrop Water

Total firm supply:
up to 10,200 a-f per year

Operate Lake Bastrop
between 442 feet and 450 feet
above mean sea level

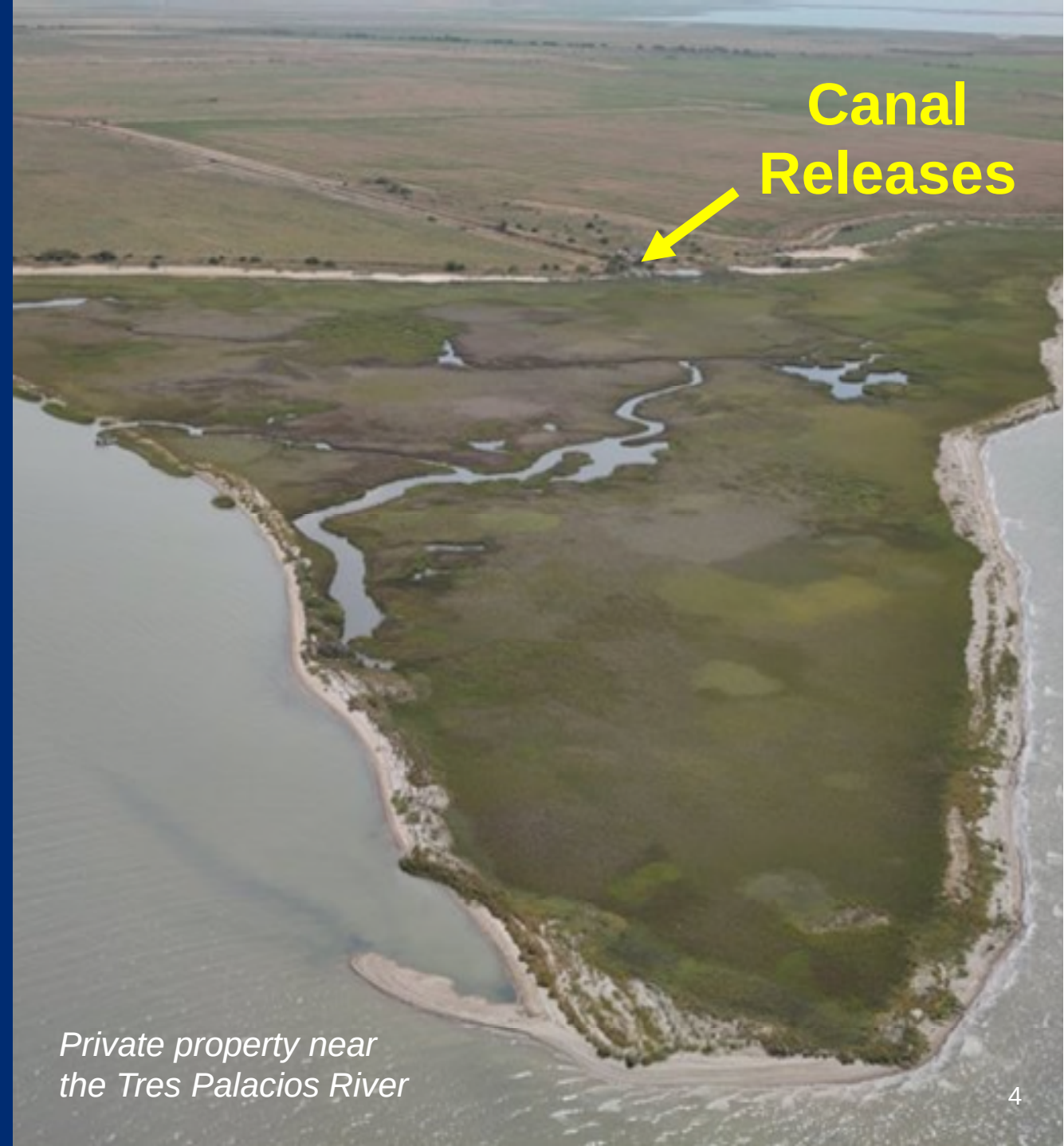


Lake Bastrop

Matagorda Bay – Targeted Freshwater Inflows

Demonstration project to
evaluate benefits of freshwater
deliveries into marsh areas
from LCRA canals

Baseline data collection
underway



*Private property near
the Tres Palacios River*

Drone Video



Water Supply Resource Report

Board approved
in November 2025

Water supply needs of LCRA's
firm customers through 2080

Develop 60,000 a-f per year
of new firm supplies in
upper basin by 2040

	STRATEGY	FIRM SUPPLY (Acre-Feet Per Year)	CONCEPTUAL- LEVEL CAPITAL COST*	CONCEPTUAL- LEVEL UNIT COST PER ACRE-FOOT*	TIME TO IMPLEMENT
① Water conservation and reuse	Conservation – Canal lining (firm customers)	2,400 - 5,900**	\$5.4 million	\$100	3 - 7 Yrs
	Conservation – Enhanced incentives	210 - 1,750**	\$314,000 -\$950,000	\$500 - \$1,500	< 5 Yrs
	Conservation – Permanent once-per-week watering	10,000 - 28,000**	N/A	N/A	< 5 Yrs
	Conservation – Municipal GPCD cap	4,900 - 17,600**	N/A	N/A	< 5 Yrs
	Direct Potable Reuse	1,120	\$117 million	\$10,100	12 - 22 Yrs
② System optimization and new Colorado River supplies	Aquifer Storage & Recovery	22,000	\$1.0 billion	\$3,500	12 - 20 Yrs
	Bastrop County Off-Channel Reservoir (OCR) (60,000 acre-feet storage)	35,000	\$1.8 billion	\$3,800	12 - 24 Yrs
	Additional Fayette County OCR (48,000 acre-feet storage)	29,000	\$2.3 billion	\$6,000	13 - 26 Yrs
	Baylor Creek Reservoir (48,000 acre-feet storage)	29,000	\$1.8 billion	\$4,800	19 - 36 Yrs
	Lower Basin OCR (48,000 acre-feet storage)	49,000	\$3.4 billion	\$5,300	14 - 27 Yrs
	Lower Basin OCR (80,000 acre-feet storage)	73,000	\$4.1 billion	\$4,200	14 - 27 Yrs
	Arbuckle Pipeline with Fayette County OCR (48,000 acre-feet storage)	58,000	\$4.0 billion	\$5,200	14 - 27 Yrs
	Arbuckle Pipeline with Lower Basin OCR (48,000 acre-feet storage)	72,000	\$4.5 billion	\$4,700	14 - 27 Yrs
③ New, non- Colorado River supplies	Purchase Wholesale Groundwater	25,000	\$635 million	\$2,600	8 - 15 Yrs
	East Texas Transfer† (200,000 acre-feet/year)	66,667	\$3.2 billion	\$3,600	19 - 34 Yrs
	East Texas Transfer‡ (600,000 acre-feet/year)	200,000	\$7.8 billion	\$3,000	19 - 34 Yrs
	Seawater Desalination	30,000	\$3.6 billion	\$10,300	14 - 26 Yrs

Water Conservation

Proposed transition to
permanent once-per-week
watering schedule

Gallons-per-capita-per-day cap
for new service areas
or customers



Canal Lining

Lining pilot project completed on
2-mile stretch in the Gulf Coast
Agricultural Division

Pond tests completed
in fall 2025 and 2026



Gulf Coast Agricultural Division: Mixing in the sodium bentonite clay along the Wolfe canal



Gulf Coast Agricultural Division: Cornelius to Wolfe canal

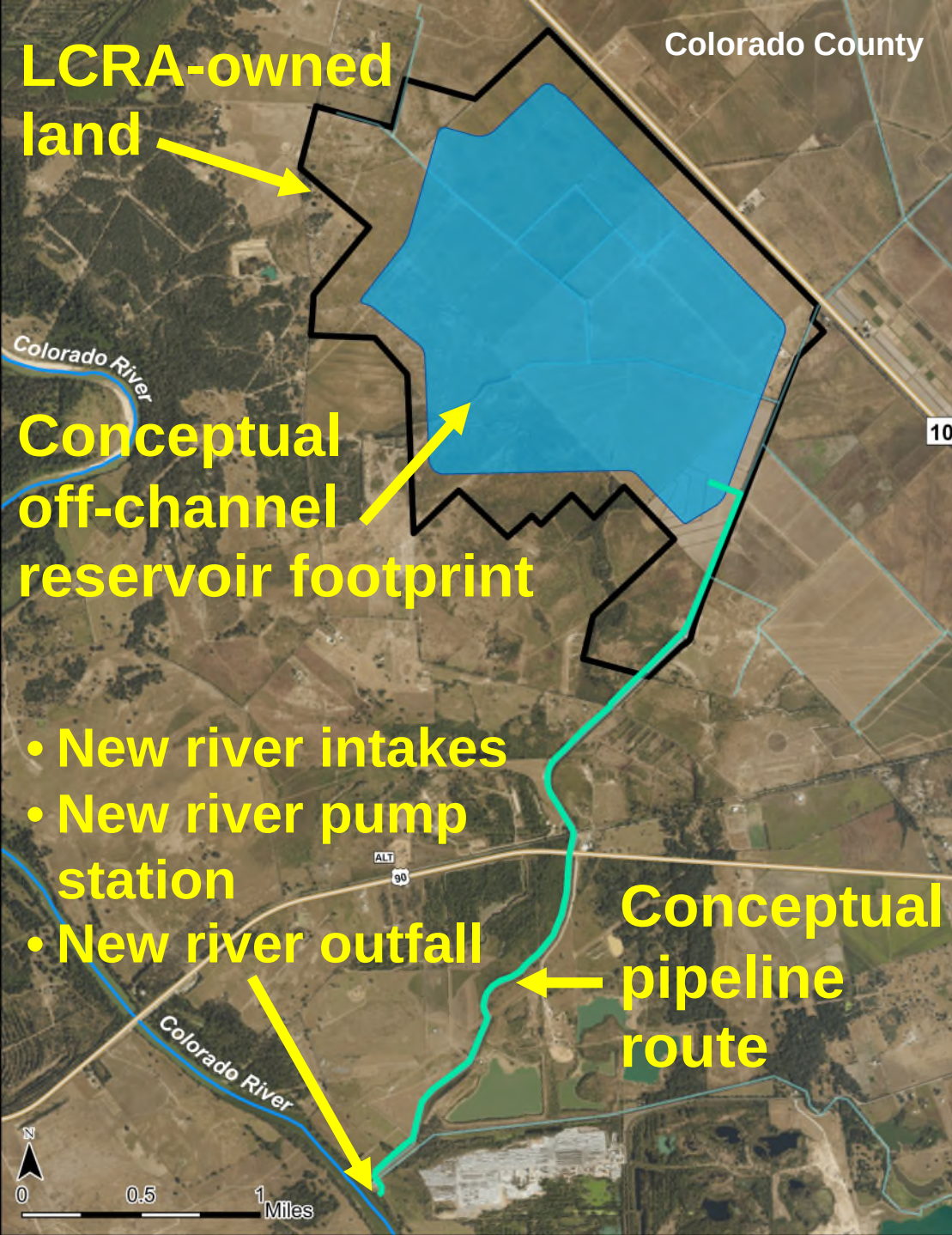
Seawater Desalination

STRATEGY		FIRM SUPPLY (Acre-Feet Per Year)	CONCEPTUAL- LEVEL CAPITAL COST*	CONCEPTUAL- LEVEL UNIT COST PER ACRE-FOOT*	TIME TO IMPLEMENT
3 New, non-Colorado River supplies	Purchase Wholesale Groundwater	25,000	\$635 million	\$2,600	8 - 15 Yrs
	East Texas Transfer [†] (200,000 acre-feet/year)	66,667	\$3.2 billion	\$3,600	19 - 34 Yrs
	East Texas Transfer [†] (600,000 acre-feet/year)	200,000	\$7.8 billion	\$3,000	19 - 34 Yrs
	Seawater Desalination	30,000	\$3.6 billion	\$10,300	14 - 26 Yrs

Brackish desalination was among the strategies evaluated but not selected due to the screening criteria

[†] Involves partners; firm supply and capital costs for this strategy reflect LCRA's share

*As of September 2023



Lower Basin Off-Channel Reservoir

- New intake and screens
- New river pump station
- New off-channel reservoir
- New pipeline from river to off-channel reservoir
- New outfall

Lower Basin Off-Channel Reservoir

- Next steps are to further evaluate:
 - Pipeline and utility constraints
 - Location of river intake and pump station
 - Conveyance
 - Permitting



