RED RIVER ANALYTICS · HAYNESVILLE-BOSSIER SHALE INTELLIGENCE

LA + TX · 9 PARISHES / 4 COUNTIES

Frac Water Access Intelligence

Per-location water sourcing, SWD proximity, and unit context for the Haynesville-Bossier play

6,877	1,865	10 mi	25 mi
WATER BODIES (JRC 40YR)	ACTIVE SWD WELLS (LA+TX)	WATER SOURCE RADIUS	SWD PROXIMITY RADIUS

Frac water logistics — sourcing, treatment, and disposal — represent a significant operational cost and planning burden for any Haynesville-Bossier pad. The data operators need to answer those questions is scattered across the Louisiana SONRIS system, the Texas RRC, NHD hydrology, and county assessor records. Frac Water Access Intelligence aggregates all of it into a single per-location report: nearest surface water sources with 40-year satellite permanence records, active saltwater disposal wells within 25 miles on both sides of the state line, and the production unit and nearby well context for the query point.

WHAT MAKES THIS DIFFERENT

WHO USES THIS DATA

- **E&P operators**
  Pre-pad frac water planning, sourcing cost estimation, and disposal routing for Haynesville-Bossier completions
- **Water logistics and midstream companies**
  Identify surface water access points, SWD capacity, and haul routes before committing infrastructure
- **Environmental consultants**
  Water availability and produced water disposal assessment for permitting and environmental review

40-Year Satellite Water Record

JRC Global Surface Water from Landsat — permanence rated across four decades, not a single-season snapshot

Perennial Rivers Identified

NHD flowline integration distinguishes major rivers from seasonal floodplain — Red River and other perennials are correctly classified, not diluted by floodplain occurrence averages

Cross-State SWD Coverage

Active injection wells from LA SONRIS and TX RRC combined — the play doesn't stop at the state line, and neither does the dataset

Surface Owner Contact Included

Every water source includes parcel owner name and mailing address — access negotiation can begin immediately

- Oil & gas attorneys and landmen
  Understand operational water requirements and surface access context for lease and right-of-way negotiation

REPORT SECTIONS

01

Water Sourcing

Nearest water bodies within 10 miles — 40yr occurrence, acreage, perennial/seasonal classification, and surface owner contact

02

SWD Proximity

Active saltwater disposal wells within 25 miles, LA SONRIS + TX RRC combined — operator, formation, depth, and injection rate where available

03

Well & Unit Context

Haynesville-Bossier unit containment, operator, formation, and nearest production wells within 3 miles

DATA SOURCES

Water bodies: JRC Global Surface Water dataset (European Commission / Google, Landsat 1984–2023) — 40-year satellite permanence record, polygonized at ≥10% occurrence and ≥0.5 acres. Perennial rivers identified via NHD flowline intersection (fcode 46006 StreamRiver / 55800 ArtificialPath).

SWD wells: Louisiana SONRIS injection well registry (active status only) + Texas RRC injection and SWR-10-WELL types — refreshed monthly.

Production context: SONRIS Haynesville-Bossier well and unit registry, 9 play parishes.

Surface ownership: Caddo, Bossier, DeSoto, and East Texas parcel databases — owner name and mailing address at each water source centroid.

📦 **Delivery:** Per-location report — HTML and downloadable PDF. Query by coordinates or API number. Available as a standalone lookup or integrated into a broader pad site screening workflow.
Each report includes: water sources with permanence ratings and owner contact · active SWD wells with distance, operator, and formation data · unit containment and nearby production well inventory.