

GBDS

GULF BASIN

DEPOSITIONAL SYNTHESIS

30
YEARS

The GBDS Project is the largest, most comprehensive collection of geologic data for the Gulf of Mexico

Intuitive, Custom GIS Tools

- ArcGIS Desktop / ArcGIS Pro / QGIS

Digital Data Library

- Basin-Wide Surface + Thickness Maps for 35 Tectonostratigraphic Units
- 2500+ fully interpreted well logs
- 1300+ digitized LAS logs
- Paleo / Core Photos / Pressure Data / and more
- Digitized Geologic Features

Curated References

- 2800+ Publications
- Georeferenced Figures / Source-Rock Studies / and more
- Access to the GBDS Atlas, Research, Publications, and Student Projects

Membership includes on-site technical consulting, GIS workshops, research opportunities, database updates

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PROJECT HIGHLIGHTS

CCS + Geothermal

TX and LA have become important AOIs for carbon storage analysis because of their proximity with anthropogenic carbon sources like O&G fields, refineries, and industrial plants—and the number of abandoned boreholes available for possible storage sites.

- GBDS is utilizing our existing database and adding new, topic-specific resources to address CCS and geothermal exploration questions, like:
 - Characterizing potential reservoirs & reservoir properties
 - Evaluating potential storage sites

Pressure + Seal Analysis

- GBDS has curated BOEM pressure data for 1200 wells, including key prospects like **Tiber**, **Ballymore**, **Kaskida**, **Appomattox**, and **Great White**
- We continue to integrate these with biostrat, well logs, and 3D seismic to develop insights into local & regional reservoir characteristics
 - i.e. Seal Distribution + Quality / Pressure Trends / Mobility x Depth

Mexico Data

- 400 interpreted wells in Mexico — both onshore + offshore
- 350+ Mexico-focused entries in the Reference Library
- Significant updates & improved resolution of GBDS maps in the southern GoM

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GET IN TOUCH

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