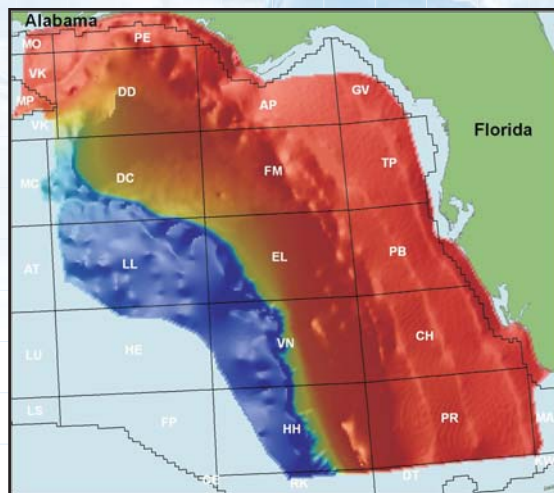


ShelfWorks

Deep Gas US Shelf Interpretation Package

US Shelf: Mississippi, Alabama, Florida



The ShelfWorks package for Eastern Gulf of Mexico is a regional geologic structure (faults, anticlinal and synclinal elements) and regional lineaments interpretation derived from water-bottom gravity (35,200 stations), marine gravity (33,825 line miles) and aeromagnetics (58,200 line miles) data, geological data and seismic refraction data. IGC selected SSA, EDCON/High Tide, and FAS databases because of their uniform coverage over the Mississippi, Alabama and Florida shelf areas. The interpretation deliverables include a depth to magnetic basement structure map derived quantitatively utilizing various depth estimation techniques, a sediment isopach map, and three crustal maps.

ShelfWorks functionality is its immediate interactive interface with a Client's proprietary database via a set of digital template-inspired interpretation maps. All the surfaces (maps) will high-grade basin, thermal and/or stratigraphic models that are required for deep-gas evaluation.

Input data and a corresponding set of data enhancement maps are also included. Clients receive credit for prior data licenses.

Deliverables:

Structural Framework

Magnetic Basement Structure Map - commonly defined as the upper surface of magnetized igneous terrane, often both mafic and felsic bodies.

Pre-Mid Jurassic to Magnetic Basement Isopach
Depth to Top of Volcanics

Crustal Interpretation

Three Crustal Maps for thermal and stratigraphy models:
Depth to Moho surface (depth to crust/mantle boundary) with refraction control.

Total Crust Isopach (magnetic basement to Moho)
Gravity Effect of Total Crust and Mantle

Gravity Data

Free-Air Gravity
3D Earth Model Bouguer Gravity
Isostatic Residual Gravity
1st order Bouguer Residual Gravity

Magnetic Data

Total Magnetic Intensity Field
Reduction-to-Magnetic Pole (RTP)
Data Enhancement Maps (3)

Geological Interpretation

Regional Geologic Features
Well Control
Buffler (MJS) Basement

Output Format

PDF Portfolio of map deliverables and written report
Digital Archive, VIDL or ArcGIS Library



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