



BOEM Bureau of
Ocean Energy Management

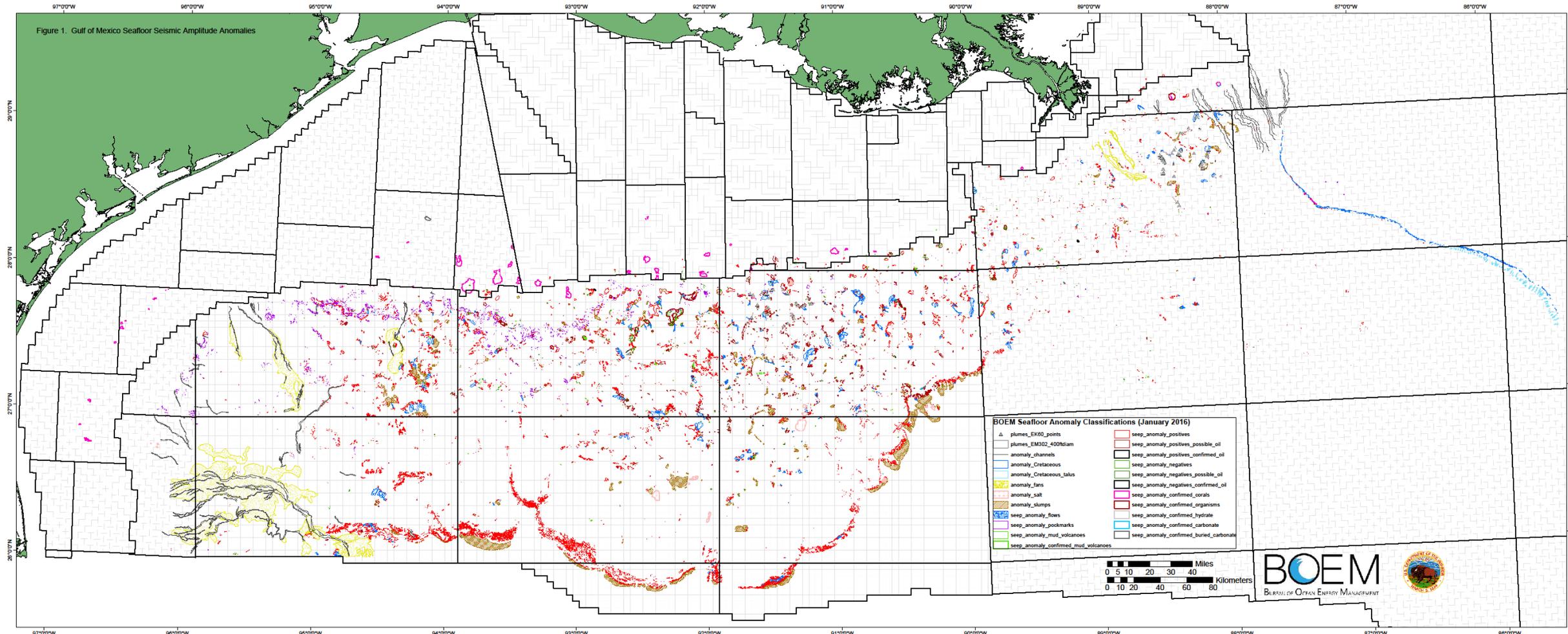
Geodatabase of Benthic Community Habitat in the Gulf of Mexico

20th Meeting of the Standing Committee on Offshore Science and Assessment

July 11th & 14th 2022

Jeri Wisman & Alicia Caporaso | Gulf of Mexico Regional Office

Figure 1. Gulf of Mexico Seafloor Seismic Amplitude Anomalies



BOEM Information Need

- Inefficient process to document & review benthic features
 - Duplication of efforts by SMEs and regional offices when conducting reviews to identify and document seafloor features
- Need = geospatial tool + process for recording & accessing spatial data
 - Allows Larger scale analyses
 - Make publicly available for use by other Federal agencies and stakeholders as well as operators in the GOM OCS

Accurate seafloor info = appropriate mitigations



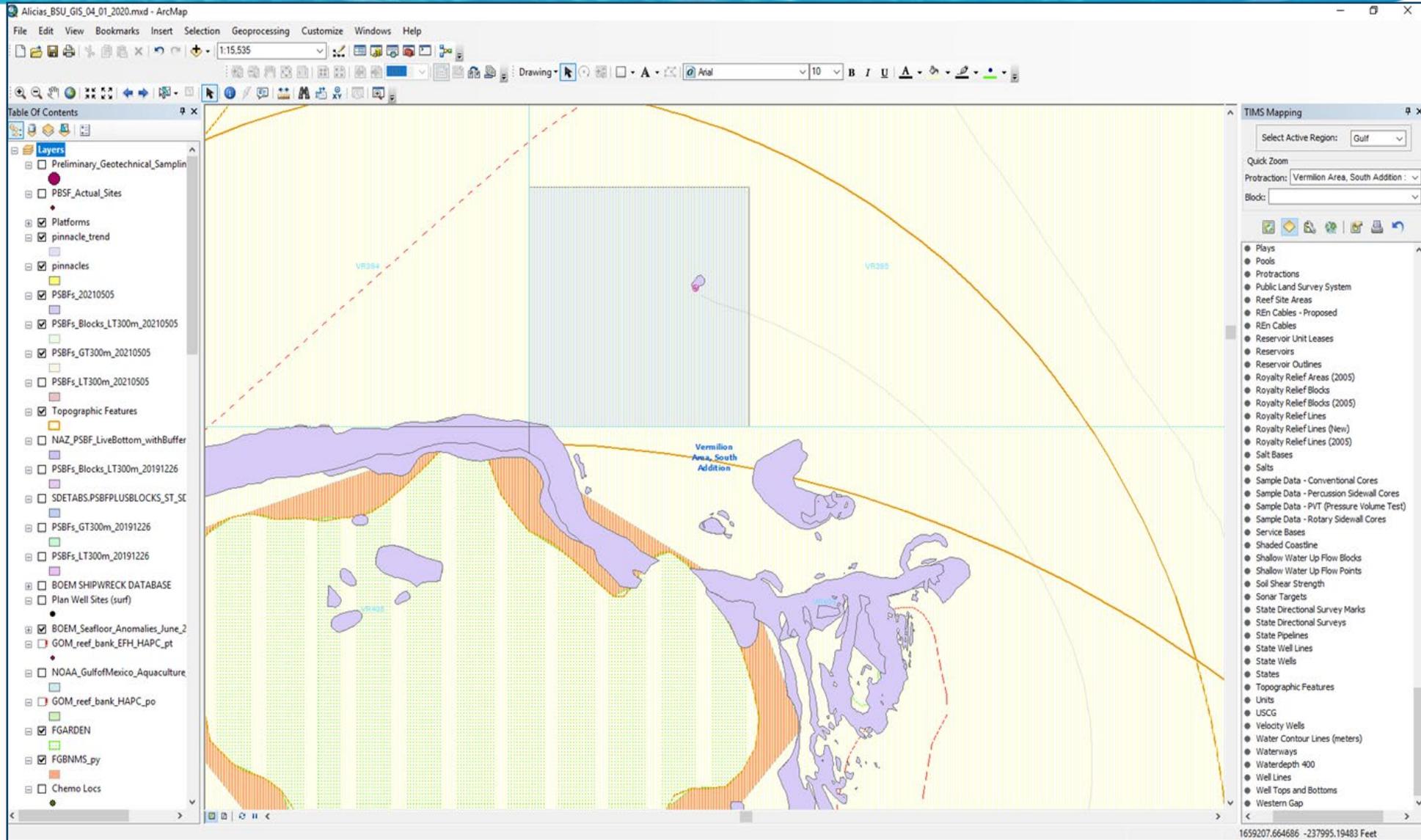
PICOC Summary

Problem	<ul style="list-style-type: none">• GIS & mapped benthic habitat features in disparate formats, several databases, non-uniform QC, & maintained by different offices• No standard procedure for reporting/ recording updates
Intervention	<ul style="list-style-type: none">• Gdb for GOM benthic habitat features• Procedures for reporting/ recording features/ data, QA/QC, maintenance, & publishing
Comparison	No comprehensive geospatial database for benthic habitat features
Outcome	Created comprehensive gdb of benthic habitat features
Context	NGOM



Background

- Use spatial data/ maps of benthic features for mission critical activities
- Currently →



Study Objectives

1. Publishable, working gdb of benthic features
2. Review existing GOMR map features, layers, shapefiles, etc. into gdb
3. Standardize data/ metadata for all feature class layers
4. Develop standard procedures for changes to gdb
5. Public interface for visualization, access, and use



Methods

- ID benthic habitat features in existing databases & libraries
- Blueprint for the new gdb & draft SOPs for updates
- Inclusive benthic community habitat feature gdb & update SOPs
- Provide tutorial & training



Research Questions

- N/A



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Jeri Wisman (Jeri.Wisman@boem.gov; 504-736-2898)
Alicia Caporaso (Alicia.Caporaso@boem.gov; 504-736-5714)