

FINAL TECHNICAL REPORT

**CORE INVENTORY FOR THE NATIONAL CATALOG OF GEOLOGICAL AND
GEOPHYSICAL DATA AT THE LOUISIANA GEOLOGICAL SURVEY RESOURCE
CENTER**

USGS GRANT: 10HQPA0012

Contracting Officer

Maggie Eastman
U.S. Geological Survey
Office of Acquisitions and Grants
12301 Sunrise Valley Drive, MS 205
Reston,. VA20192
(703)-649-7366

Program Officer

Tamara L. Dickinson
U.S. Geological Survey
12301 Sunrise Valley Drive, MS 205
Reston,. VA20192
703-6487-6603

Principal Investigator

Brian Harder
Louisiana Geological Survey
3079 Energy Coast and Environment Building
Louisiana State University
Baton Rouge, LA 70803
225-578-8533

Date

July 7, 2008

Scope of Work

The Louisiana Geological Survey(LGS) was tasked with finishing the update of our core holdings. The plan was to provide information on well name, company, field, parish, geographic location, API number, well depth, core interval, geologic horizon and other relevant data. The data to be placed in a metadata compliant file. LGS will be uploading the data to the database file to the program officer in Excel format for insertion at the National Geological and Geophysical Data Preservation Program website. A written report of the inventory data uploaded (this report) is to be made to National Geological and Geophysical Data Preservation Program officer.

Results

The Louisiana Geological Survey has a new Resource Center facility that stores our cores, electric logs, cuttings, seismic data and scout tickets. The new building format has allowed us to consolidate our core holdings into one central location. We have 4500 sq. feet with 3300 sq. ft dedicated to core storage and 1200 sq ft of air conditioned space for analysis along with log and publication storage. The new racking system allows us to go vertical with the cores and we now have all the core for LGS and other university units in one central location. Cores are recorded and stored by individual parish/state collections. We currently have 5800 core boxes consisting of 3600 nine ft core box sections and 2200 three ft. individually boxed cores. The geographic areas covered include all of Louisiana, parts of Texas, Arkansas, Mississippi, Alabama, and northwestern Florida.

Our investigations have determined that our core collections have very limited geo-spatial reference markers of any kind for most of the collections and significant portions have no references at all making it impossible to enter these into the proposed national database. Our goal this year was to transform our existing Louisiana database into an acceptable format. From the workshop held in Bloomington which Patrick O'Neill attended acceptable formats were discussed and we created a compatible file format. Since LGS has no server capability we are attaching our Louisiana updated database in Excel format for incorporation in the national database. We are also attaching a field descriptor file in Excel format for the database as reference. Many hours were consumed attempting to find location data for the core samples. Gaps in the database are apparent and we have tried various search techniques of our, the states and private databases in an attempt to complete all entries. In many cases the data on the core boxes was incomplete at best or faded and lost in some cases. We were able to complete about 90% of the database completely with partial data for the rest.

Conclusions

The results of our inventory of core resources have been up loaded to the website as required. We are providing a metadata compliant file with descriptions of our Louisiana core collection for incorporation in the national database inventory. The attached files are named Louisiana Core List2.xlsx and Louisiana Core List2 Description.xlsx.