Received by 7/14/81
Coded for ADMIN 7/20

Cruise Report

1. Ships Name: R/V Longhorn LGHN 81-LH-1

2. Cruise No./Leg: Longhorn-81-USGS1

3. Parent Project: West Florida Shelf

4. Funding Agency: S.I.R.

5. Funding Amount: $21,000

6. Contract Number: ------

7. Contract Start/End: ------

8. Area of Operation: West Florida Shelf

9. Date: May 27 - June 9, 1981

10. Chief Scientist: Charles W. Holmes

11. Scientific Staff:
    Ronald Miller USGS
    Jack Kindinger USGS
    Paul Schoeder USGS
    James McFarlen USGS
    Peter Johnson USGS
    Donald Gibson Captain

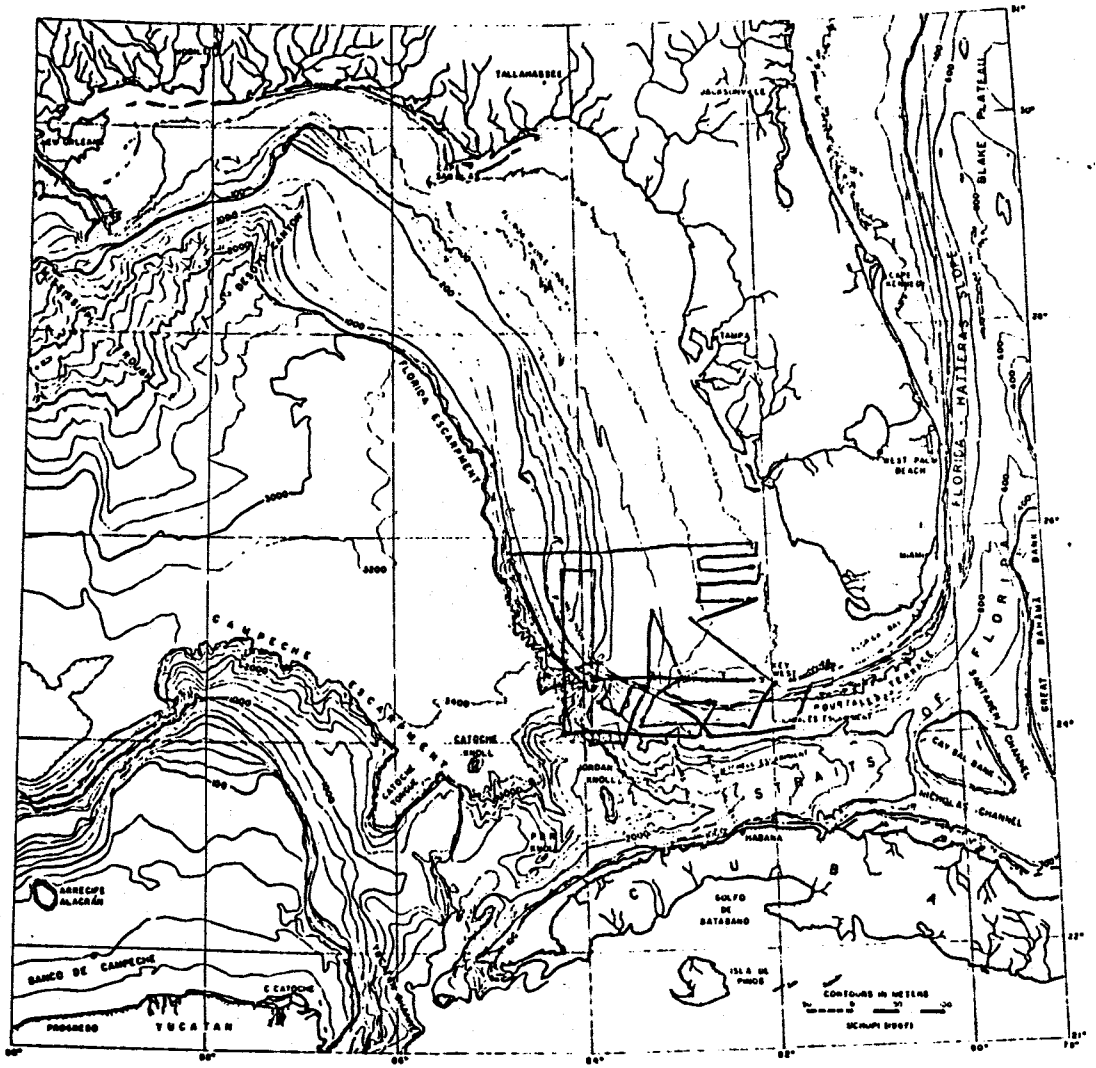
12. Purpose of Cruise: Obtain seismic reflection data in the Florida Straits, and the Florida Shelf, and photograph the Miocene (?) ledge to confirm the existence of mineral deposits.

13. Navigation: Loran C

14. Equipment Employed:
    Klein Side Scan
    Del Norte Mini Ranger
    ORE 3.5 kHz Subbottom Profiler
    Benthos Camera

15. Tabulation Information:
    14 days at sea
    608 Km - 3.5 kHz records
    550 Km - Km Side Scan
    1603 Km - minisparker
    3 scientific dives
    1 Core (rotary drill)

8/0/5



Longhorn 1981 May 27- June 9, 1981