

# United States Department of the Interior

GEOLOGICAL SURVEY  
CENTER FOR COASTAL GEOLOGY  
AND REGIONAL MARINE STUDIES  
600 FOURTH STREET SOUTH  
ST. PETERSBURG, FLORIDA 33701

## MEMORANDUM

To: Nancy Soderberg

From: Jack L. Kindinger 

Date: Thursday, October 4, 1990

Subject: Cruise Report R/V KIT JONES 90-1

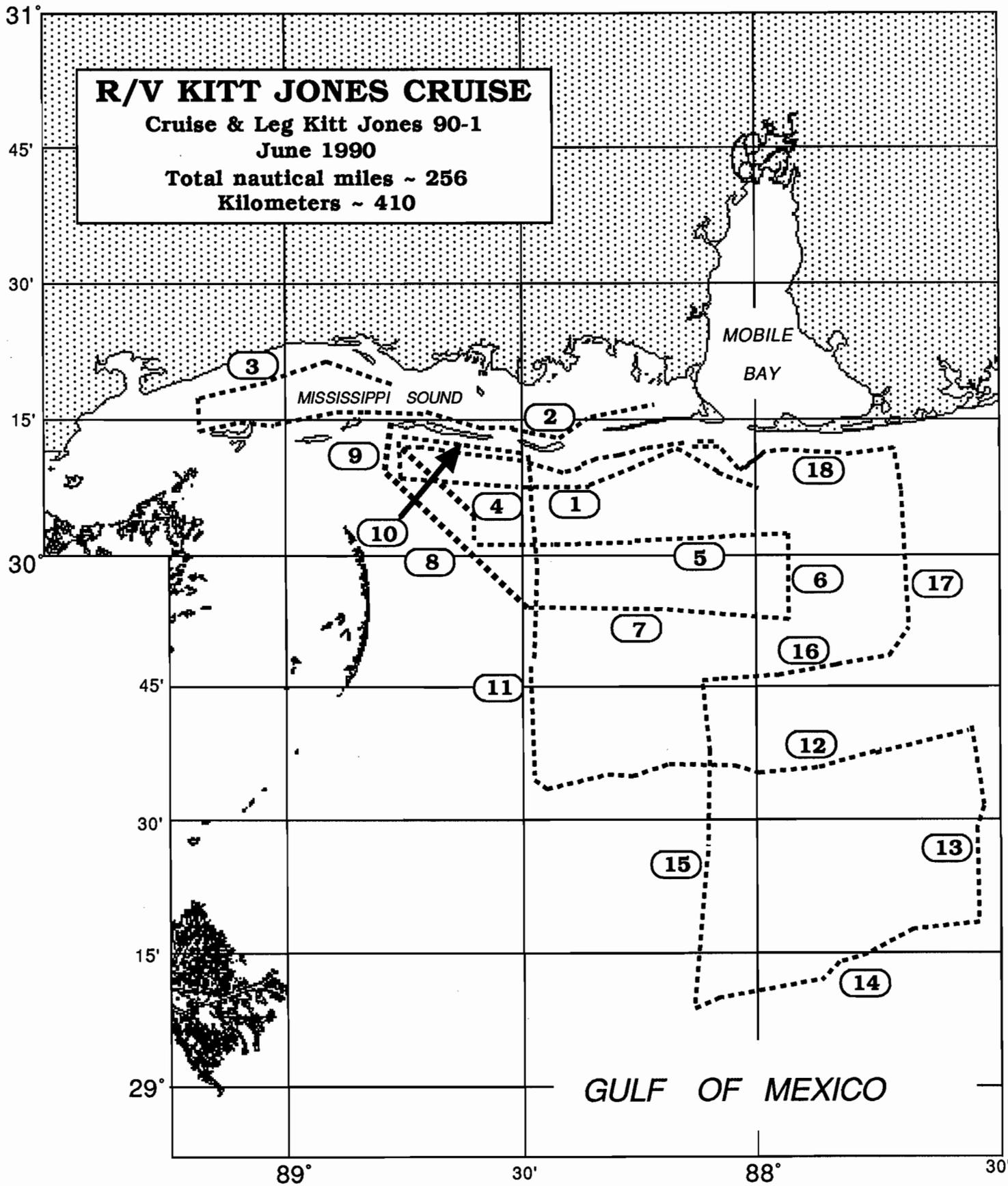
Please find enclosed the KIT JONES 90-1 cruise report. With all of the field work going on the report was "buried" in my office and was not get sent out. Also Tape #13 from that cruise was sent to me last week from Baton Rouge. Please file it with the rest. As always if there are any questions please call.

cc: Brad Butman, USGS, BAMG, Woods Hole  
Robert Halley, USGS, St. Petersburg  
Abby Sallenger, USGS, St. Petersburg  
Jeff Williams, USGS, Reston

CRUISE REPORT

August 1990

1. Ship Name (Parent vessel if submersible used)/submersible name:  
R/V KIT JONES
2. Cruise number and leg (if any): KJ-90, Legs 90-1 & 90-2
3. Parent project: Mississippi/Alabama/USGS Cooperative # 9460-27017
4. Funding amount: 30,000
5. Funding agency: USGS
6. Contract number:
7. Contract start and end date: FY '90
8. Area of operations: Mississippi Sound, MS; Gulf of Mexico
9. Dates and ports, start and end cruise: Gulfport, Ms June 21 June 27, 1990
10. Chief scientist: Leg 90-1 = Randolph McBride, Louisiana Geological Survey (LGS) and Leg 90-2 = Mark Byrnes (LGS).
11. Names and affiliations of scientific party; ship's captian: Capt. Ralph (Monty) Simmons, Jerry Taft, and Chuck O'Hara, Mississippi Minerals Technology Center (MMTC); and Ken Parolski, USGS. Brian Blanchard (LGS) - Leg 1 only.
12. Brief statement of purpose of cruise: Collect nearshore and Mississippi Sound, high resolution seismic, as part of coastal project to study coastal erosion and offshore sand resources.
13. Brief statement describing navigation techniques: GPS (Trimble Navtrac) & Loran C (Megapulse), recorded to Compac III pchard disk with floppy disk backup (ASCII File), fixes taken every 5 min.
14. Scientific equipment:
  - ORE Geopulse 5210a: Power - 125 joules
  - Benthos Hydrophone: 20 element
  - Graphic Recorder: EPC 3200
  - Tape Recorder: Hewlett-Packard 1/4 in. rec. speed 15/16 Channel
    - 1 FM Filtered Signal 700/5 kHz
    - 2 FM -----
    - 3 FM -----
    - 4 FM -----
    - 5 DIR 400 Hz
    - 6 DIR Geopulse Key
    - 7 DIR Clock
    - 8 DIR Raw Signal
15. Tabulated information:
  - Days at sea: 7 days
  - Kilometers of each type of contiuous data: 410 km Geopulse system
  - Stations occupied (stationary and underway)
16. Page-size trackline chart



serial # 90013

PRE-CRUISE REPORT  
9 April 1990

1. Ship Name (Parent vessel if submersible used)/submersible name:  
R/V KIT JONES (OLD MISS)
2. Cruise number and leg (if any): KJ - 90-1
3. Parent project: Mississippi/Alabama/USGS Cooperative # 9460-27017
4. Funding amount: 30,000
5. Funding agency: USGS
6. Contract number:
7. Contract start and end date: FY '90
8. Area of operations: Mobile Bay, AL; Gulf of Mexico
9. Dates and ports, start and end cruise: Gulfport, Ms June 11 June 30, 1990
10. Chief scientist: Jack Kindinger, USGS; Shea Penland, LGS
11. Names and affiliations of scientific party; ship's captain:
12. Brief statement of purpose of cruise: Collect shelf and nearshore high resolution seimics, as part of coastal project to study coastal erosion
13. Brief statement describing navigation techniques: GPS & Loran C
14. Scientific equipment: Geopulse and sidescan systems
15. Tabulated information:
  - Days at sea
  - Kilometers of each type of continuous data
  - Stations occupied (stationary and underway)
  - Submersible dives (including dive number)
  - Station information:
    - Station number
    - Date of occupation
    - Latitude/longitude
    - Water depth
    - Sampling device (include dive number here)
    - Number and type of samples
    - Remarks
16. Page-size trackline chart