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 Jack

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 feild 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 techniquies: **GPS (Trimble Navtrac) & Loran C (Megapulse), recorded to Compac III pc hard disk with floppy disk backup (ASCII File), fixes taken every 5 min.**

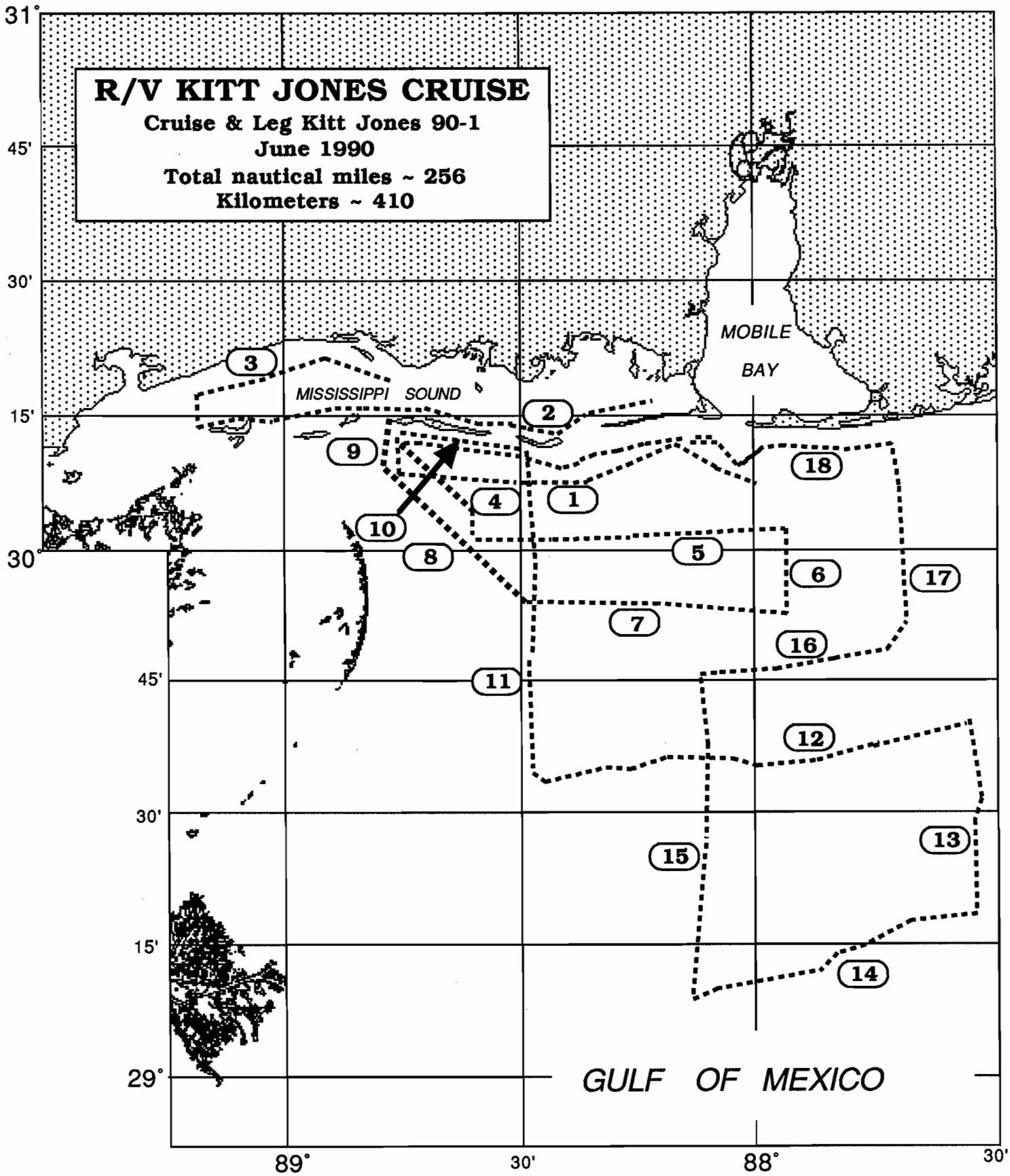
14. Scientific equipment:

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


R/V KITT JONES CRUISE
Cruise & Leg Kitt Jones 90-1
June 1990
Total nautical miles ~ 256
Kilometers ~ 410
MOBILE
BAY
MISSISSIPPI SOUND
GULF OF MEXICO
31°
45'
30'
15'
30°
45'
30'
15'
29°
89°
30'
88°
30'
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

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~~ 17, 1990**

10. Chief scientist: **Jack Kindinger,USGS; Shea Penland, LGS**

11. Names and affiliations of scientific party; ship's captian:

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 techniquies: **GPS & Loran C**

14. Scientific equipment: **Geopulse and sidescan systems**

15. Tabulated information:
    - Days at sea
    - Kilometers of each type of contiuous 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