#92003

CRUISE REPORT

1. Ship Name (Parent vessel if submersible used)/submersible name: R/V ERDA-1

2. Cruise number and leg (if any): ERDA-92-1

3. Parent project: W. Louisiana/Upper Texas Coastal Land Loss Study, Louisiana/Texas/USGS Cooperative

4. Funding amount: $1,000,000

5. Funding agency: USGS

6. Project number: # 9480-27482

7. Contract start and end date: FY'92

8. Area of operations: Lake Calcasieu, LA.

9. Dates and ports, start and end cruise: April 20 to May 1,1992; Duval Barge Docks, Sulphur, LA (daylight cruises)

10. Chief scientist: Jack Kindinger, USGS

11. Names and affiliations of scientific party; ship's captain: Captain Conrad Tome, Argonne Labs, Chicago, IL; Dana Wiese, USGS, St. Petersburg; Scott Nichol, Dalhouise University

12. Brief statement of purpose of cruise: Conduct high-resolution single-channel seismics survey of Lake Calcasieu, LA.

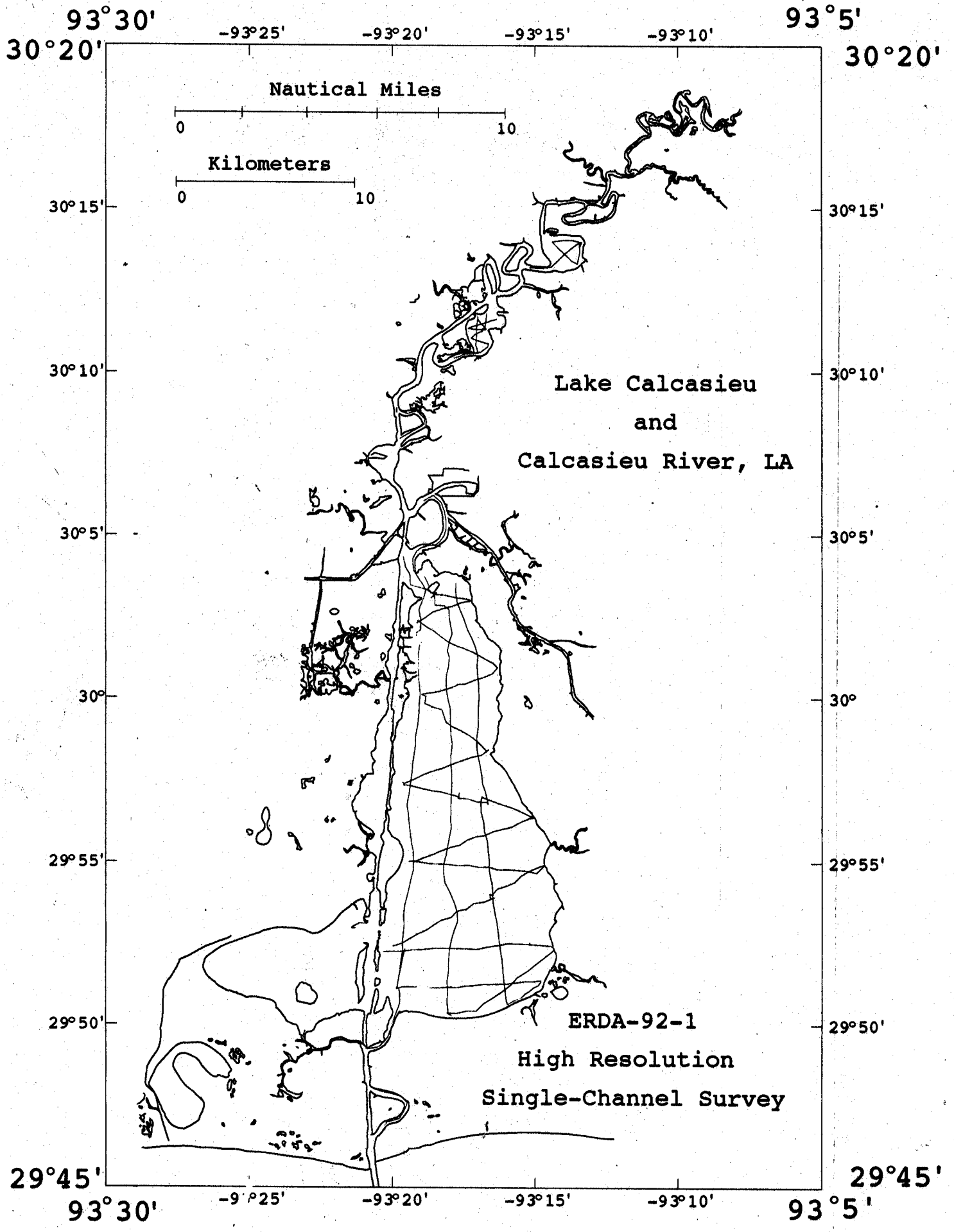
13. Brief statement describing navigation techniques: GPS & Loran C, recorded to hard disk with floppy disk backup (ASCII File), fixes taken every 5 min.

14. Scientific equipment:

Signal source:	Huntec plate
	EG&G power supply
	Geopulse receiver
Hydrophone:	Benthos
Hard copy:	EPC 3200
Geopulse:	Power - 125 joules 1/8 sec swp - 1/4 sec Gain
HP 3056A:	Channel 1 FM Filtered Signal ~300/3 kHz
	2 FM Raw Signal
	3 FM Time Code
	4 FM -----
	5 DIR Sevo
	6 DIR Geopulse Key
	7 DIR -----
	8 DIR -----

15. Tabulated information anticipated:
    Days at sea: 8 daylight working days
    Kilometers of each type of continuous data: 225 line km of profile data

16. Page-size trackline chart. Attached.


93°30'
93°5'
30°20'
-93°25'
-93°20'
-93°15'
-93°10'
Nautical Miles
0
10
Kilometers
0
10
30°15'
30°10'
30°5'
30°
29°55'
29°50'
29°45'
Lake Calcasieu
and
Calcasieu River, LA
ERDA-92-1
High Resolution
Single-Channel Survey