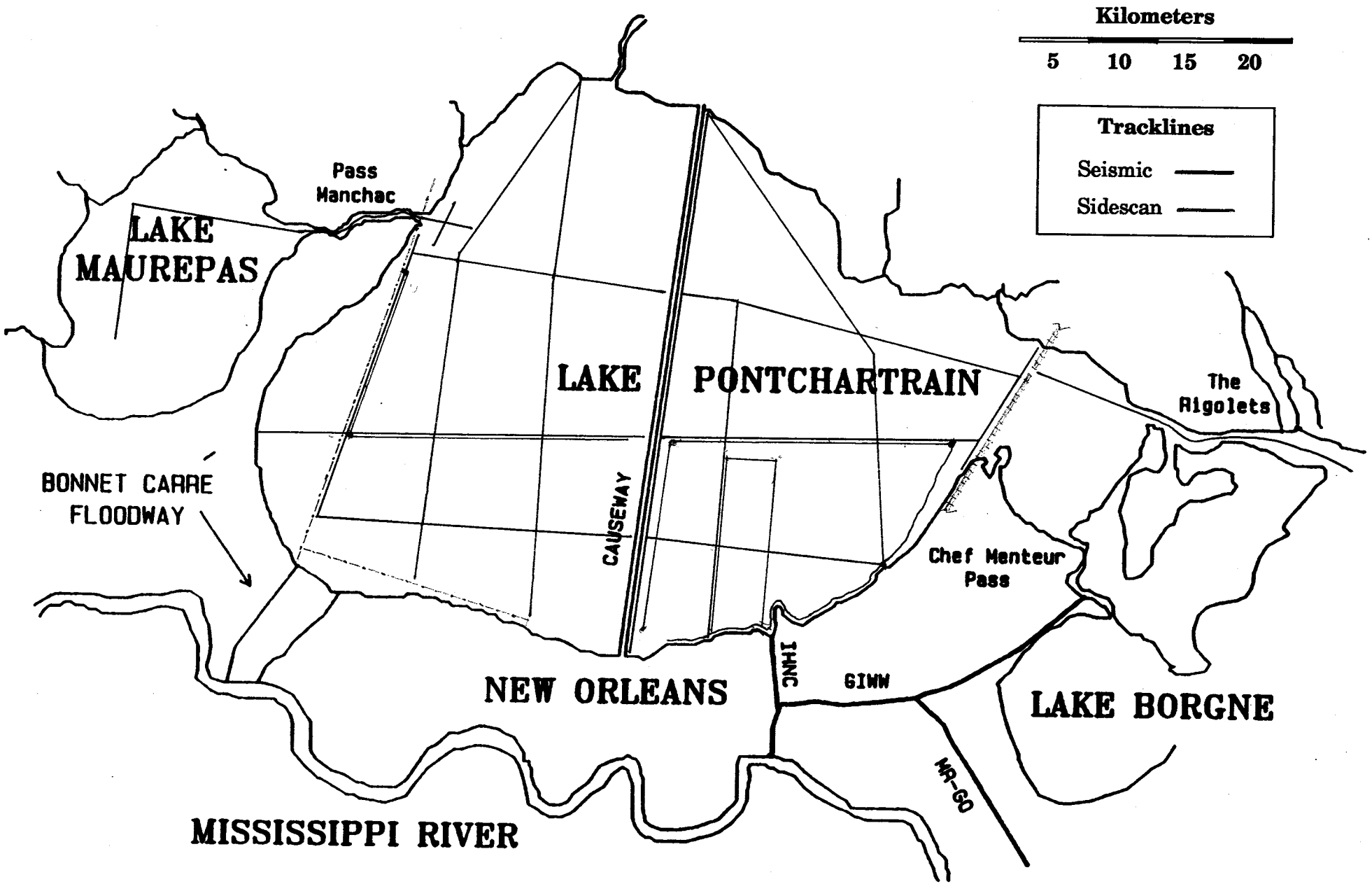
#94030

Cruise Report

1.	**Ship Name:**	RV G.K. Gilbert
2.	**Cruise Number:**	Pont-94
3.	**Project:**	Lake Pontchartrain Study
4.	**Funding:**	$300,000
5.	**Agency:**	USGS
6.	**Contract Number:**	n/a
7.	**Contract Dates:**	n/a
8.	**Area of Operations:**	Lake Pontchartrain Basin, Louisiana
9.	**Dates and Ports:** **Start and End Cruise:**	New Orleans, Louisiana 31 May 1994, 11 June 1994
10.	**Chief Scientist:**	S. Jeffress Williams, USGS, Reston, VA
11.	**Names/Affiliation of Scientific Party:**	Richard Young, USGS, Boat Operator Shea Penland, LSU/CCEER Dana Wiese, USGS, Seismic Technician Dave Nichols, USGS, Sidescan Technician Helana Cichon, USGS, Survey Assistant Robert Seal, LSU/CCEER, Survey Assistant
12.	**Purpose of Cruise:**	Field investigation of shallow structure and stratigraphy and character of the estuary seabed.
13.	**Navigation Techniques:**	DGPS and Loran C
14.	**Scientific Equipment:**	Hunter hi-res boomer/Delph 2 system Fathometer Klein Sidescan Sonar, 100 kHz.
15.	**Tabulated Information:**	Twelve days of daylight operation 411 km seismic profile tracklines 137 km sidescan sonar tracklines
16.	**Trackline Chart:**	Attachment


Kilometers
5
10
15
20
Tracklines
Seismic
Sidescan
Pass Manchac
LAKE MAUREPAS
LAKE PONTCHARTRAIN
CAUSEWAY
The Rigolets
BONNET CARRE FLOODWAY
Chef Menteur Pass
NEW ORLEANS
IHNC
GIWW
LAKE BORGNE
MR-GO
MISSISSIPPI RIVER

LAKE PONCHARTRAIN

Date	Time	Line	Event	Lat	Lon	Hdg
6/8	1515	1	SOL	30 01 70	90 07 20	E along shore
	1655		EOL	30 03 50	90 01 80	
6/9	0839	2	SOL	30 03 50	90 01 80	E along shore
	away from shore			30 05 35	89 56 20	
	1311		EOL	30 10 00	89 53 45	
6/9	1311	3	SOL	30 10 00	89 53 45	W along 30 10 00
	Enroute Fix			30 10 002	89 58 507	
	Enroute Fix			30 09 993	89 57 395	
	1505		EOL	30 10 04	90 06 340	
6/9	1505	4	SOL	30 10 04	90 06 340	184 degrees
	1643		EOL	30 02 650	90 07 760	1 mi E of causeway
6/10	0043	5	SOL	30 10 00	90 07 753	W along 30 10 00
	0311		EOL	30 10 00	90 22 10	
6/10	0311	6	SOL	30 10 00	90 22 10	023 degrees
	0356	(Storm)	EOL	30 13 35	90 10 50	
6/11	0850	7	SOL	30 01 80	90 05 00	006 degrees
	0953		EOL	30 07 00	90 04 00	
6/11	0953	8	SOL	30 07 00	90 04 00	90 degrees
	1016		EOL	30 06 816	90 01 99	
6/11	1016	9	SOL	30 06 816	90 01 99	180 degrees
	1108		EOL	30 02 70	90 01 40	