

SEP 3 1987

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Date: September 1, 1987

To: Bob Halley, Branch Chief

From: Ron Circe' *RC*

Subject: Post-cruise report

Vessel: R/V Miss Rachel

Captain: Purlis Viator

Area: East Flower Garden Bank

Port of Call: Freeport, Texas

Personnel: Quenton Dokken, co-chief scientist; Texas State
Aquarium

Wes Tunnell, co-chief scientist; Corpus Christi State
University

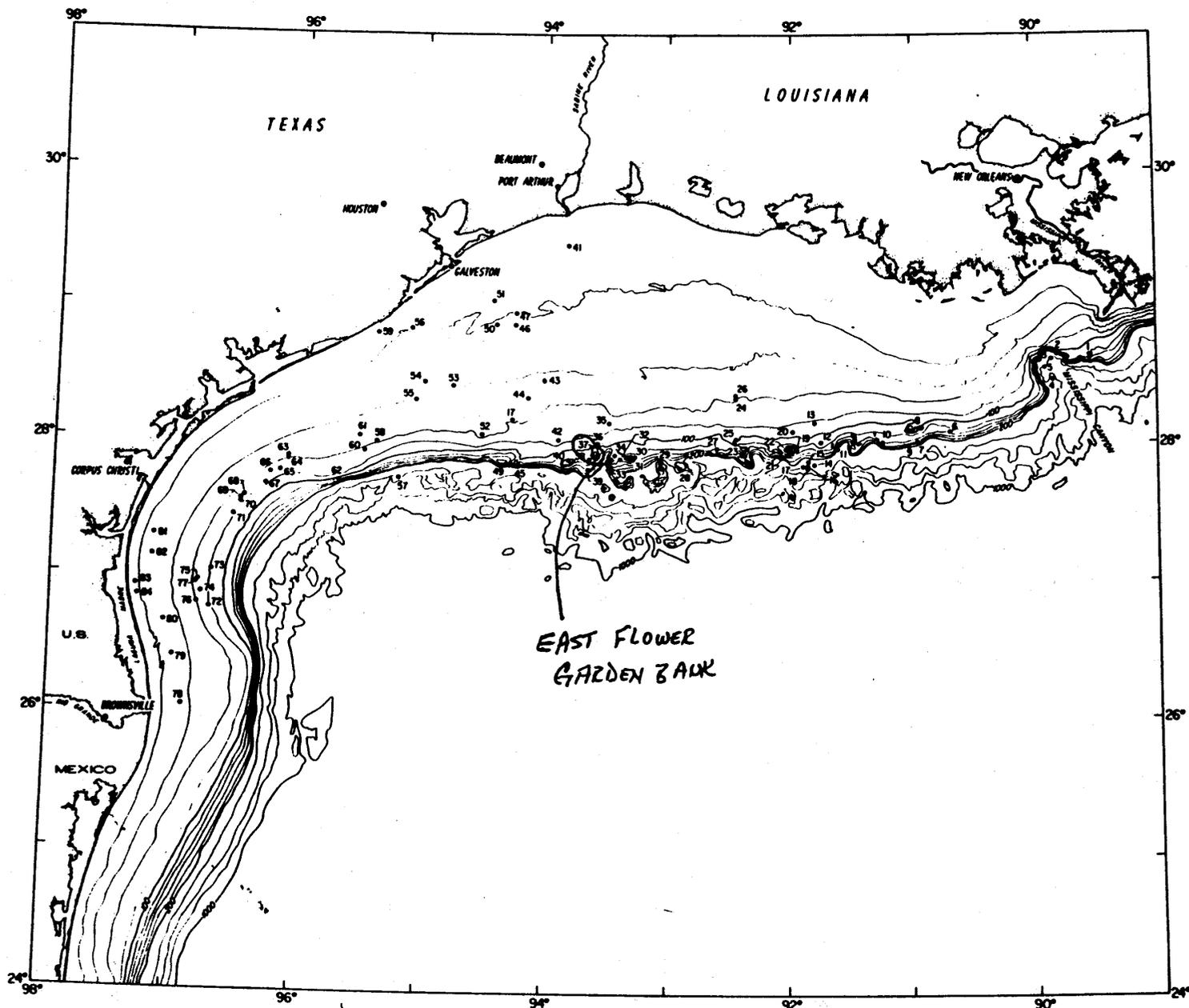
Ron Circe', USGS

assorted grad students

Purpose: Three SCUBA dives were made on the East Flower Garden Banks in order to gather first hand information geology/ecology of this reef. East Flower Garden Bank is the northern most hermatypic reef in the Gulf of Mexico. This reef is found 110 nm offshore Freeport, TX, at lat. $27^{\circ}54.50'$ and long. $93^{\circ}36.00'$. The reef lies in 120 m of water, has a relief of 100 m, and covers an area of 67 km². Samples were collected in numerous sediment "pockets" that are found scattered over the reef crest. These samples will be analyzed for micro-molluscs and compared to other samples from shelf-edge banks in the northwestern Gulf of Mexico.

My participation in this cruise came from an invitation from the co-chief scientists due to my work on shelf and shelf-edge banks in the Gulf of Mexico since 1983.

cc: Q. Dokken
W. Tunnell
J. Williams
D. Folger
T. O'Brien
G. Sexton
E. Winget
S. Barton



FROM: CIRCE & TUNNELL, 1987 SEPM MEETING