

# LOUISIANA GEOLOGICAL SURVEY

## VIBRACORE DESCRIPTION SHEET

CORE IDENTIFICATION: CI-87-13 R<sub>1</sub> of 2

DESCRIBED BY: J. Suter

LOCATION: just south of Chandeleur Islands, in tidal pass  
9' H<sub>2</sub>O

DATE: 4/8/88

SEDIMENTARY TEXTURE & STRUCTURES	INTERVAL DEFORMATION	SED. TYPE	BED THICKNESS				COLOR	AV. GRAIN SIZE	BURROWING	SHELL CONTENT	% ORGANIC	STRATIFICATION TYPE						SAMPLE	COMMENTS			
			< 1 cm	1-10 cm	10-30 cm	> 30 cm						LAMINATED	WAVY	LENTICULAR	SM X BEDS	LG X BEDS	MASSIVE			Low $\phi$	Flaser	GRAIN-SIZE
	T						Gry	25-30 $\phi$													Top	<p>Fine sand w/ common heavy shells Sand is well rounded, sorted</p>
	A B 1																					<p>* 41cm Erosional sfc w/ whole <i>Mulinia</i> valves</p> <p>Detrital organics present 41-140 cm Mudstone units have <math>\rightarrow</math> org.</p> <p>Units of variable thickness - sets of sand fining into silty material w/ high org content</p>
	2																					<p>Erosional contact - No org. 140-153cm</p> <p>* Heavily burrowed zone w/ numerous bivalves</p>
							Dk. Gry/Blk															<p>* Crassostrea shell displaced from further up</p>
	3						Gry															<p>* 66-77 zone of conc rafted organics - all aligned, all detrital</p>
	4																					<p>Alternating zones of wavy, lenticular sandy beds w/ laminated clays Occasional preserved shells, some flasers</p> <p>* Soft sed def?</p>
																						<p>Zone of lenticular beds</p>

≠ Sample only after radiographing  
 ≠ Sample, separate out shells w/ as little damage as possible  
 Description needs to be modified after viewing radiographs & close-ups

478  
Bottom

LOUISIANA GEOLOGICAL SURVEY  
 VIBRACORE DESCRIPTION SHEET

CORE IDENTIFICATION: CI-87-13 R<sub>2</sub> of 2

DESCRIBED BY: J. Suter

LOCATION: Offshore southern Chandeleurs 30' H<sub>2</sub>O

DATE: 4/13/88

SEDIMENTARY TEXTURE & STRUCTURES	INTERVAL (m)	SED. TYPE	BED THICKNESS				COLOR	AV. GRAIN SIZE	BURROWING	SHELL CONTENT	% ORGANIC	STRATIFICATION TYPE				SAMPLE				COMMENTS	
			< 1 cm	1-10 cm	10-30 cm	> 30 cm						LAMINATED	WAVY	LENTICULAR	SM X BEDS	LG X BEDS	MASSIVE	low $\phi$	Flaser		GRAIN-SIZE
	1																				Laminated grey clay, some det. org, minor burrowing present
	2																				Zone of more detrital org, but no distinct beds
	3																				Very thin < 1 mm stringers of silt Increased detrital org Siderite zones & bands to 296
	4																				Contact very deformed by flow Highly deformed beds of silty fine sand with some flasers interbedded Appears to be deformed planar lam Ripple x-beds ~ 3-4 cm Alternating beds silty sand, sand, clayey sand. Each bed has flasers clayey beds have flasers. Contacts are sharp. Erosional? Organics present throughout. Noticeably coarser at base
	5																				Laminated gray clay w/ some thin lenticular silt beds Deformed laminated & rippled silty sand beds. Some organic rich lenticular beds

Note: Sieve G5 samples to 5 $\phi$

552