

FY 11 Gulf of Hypoxia Monitoring Matrix

Basic Information				Spatial Extent			
PI Name	Survey Start Date	Duration (days)	Vessel	Portion of Shelf Covered	Brief Description	Method / Equipment	Additional Measurements
Howden	Monthly	2	LeMoyne	St. Louis Bay, MS, western Mississippi Sound, and out to 20 m isobath south of barrier islands (CenGOOS mooring)	cross-shelf transect	SeaBird SBE43 with DO probe + Rinko 3 Optode DO sensor	Standard hydrographic, physical, optical, chemical, and biological parameters
DiMarco	31-Mar	2		Mooring C deployment, 29N, 92W	Mooring deployment		
Rabalais	Mar 19-20	2	Pelican	Transects C & F	monitoring and process studies	SeaBird 911+ CTD	Standard hydrographic, physical, chemical, and biological parameters; ADCP data
Rabalais	April 12-13	2	Pelican	Transects C & F	transect monitoring	SeaBird 911+ CTD	Standard hydrographic, physical, chemical, and biological parameters; ADCP data
DiMarco	April	6	Pelican	4 stations on LA shelf	process studies		
Rabalais	May 16-17	2	Pelican	Transects C & F	monitoring and process studies	SeaBird 911+ CTD	Standard hydrographic, physical, chemical, and biological parameters; ADCP data
DiMarco	May	1		Mooring C Service	Mooring C Service		
Rabalais	June 17-18	2	Pelican	Transects C & F	transect monitoring	SeaBird 911+ CTD	Standard hydrographic, physical, chemical, and biological parameters; ADCP data
DiMarco	June	6	Manta	East Matagorda Bay to Southwest Pass	continuous monitoring	Acrobat towfish	SeaBird SBE43 dissolved oxygen sensor, Seabird CTD, and Wetlabs Fluorometer/Turbidity sensor
DiMarco	July	1		Mooring C Service	Mooring C Service		
SEAMAP	June	35	Oregon II	Brownsville, TX to east of MS River	between the 10 and 200 m isobaths		
Rabalais	July 25 - Aug 2	10	Pelican	MS River to northern TX shelf	shelf-wide survey		
DiMarco	Aug 10-15	5	Manta	East Matagorda Bay to Southwest Pass	continuous monitoring	Acrobat towfish	SeaBird SBE43 dissolved oxygen sensor, Seabird CTD, and Wetlabs Fluorometer/Turbidity sensor
Rabalais	Aug 4-8 (TBD)	4	Acadiana	AUV and Benthic Profiler	AUV and profiler testing		
Rabalais	Aug 21-22	4	Pelican	Transects C & F	monitoring and process studies	SeaBird 911+ CTD	Standard hydrographic, physical, chemical, and biological parameters; ADCP data

DiMarco	Aug 12-18	6	Pelican	5 stations on LA shelf	process studies		
Rabalais	Sept 5-6	2	Pelican	Transects C & F	transect monitoring	SeaBird 911+ CTD	Standard hydrographic, physical, chemical, and biological parameters; ADCP data
DiMarco	September	2		Texas	Mooring C Recovery	n/a	n/a
Thomas	Oct	7		parts of transects B,C,F, H,I, east of delta	croaker sampling		