FY 11 Gulf of Hypoxia Monitoring Matrix

Survey Start						
, Date	Duration (days)	Vessel	Portion of Shelf Covered	Brief Description	Method / Equipment	Additional Measurements
Monthly	2		Sound, and out to 20 m isobath south of	cross-shelf transect	SeaBird SBE43 with DO probe + Rinko 3 Optode DO sensor	Standard hydrographic, physical, optical, chemical, and biological parameters
31-Mar	2		Mooring C deployment, 29N, 92W	Mooring deployment		
Mar 19-20	2	Pelican	Transects C & F	monitoring and process studies	SeaBird 911+ CTD	Standard hydrographic, physical, chemical, and biological parameters; ADCP data Standard hydrographic, physical,
April 12-13	2	Pelican	Transects C & F	transect monitoring	SeaBird 911+ CTD	chemical, and biological parameters; ADCP data
April	6	Pelican	4 stations on LA shelf	process studies		
May 16-17	2	Pelican	Transects C & F	monitoring and process studies	SeaBird 911+ CTD	Standard hydrographic, physical, chemical, and biological parameters; ADCP data
May	1		Mooring C Service	Mooring C Service		
June 17-18	2	Pelican	Transects C & F	transect monitoring	SeaBird 911+ CTD	Standard hydrographic, physical, chemical, and biological parameters; ADCP data
June	6	Manta		continuous monitoring	Acrobat towfish	SeaBird SBE43 dissolved oxygen sensor, Seabird CTD, and Wetlabs Fluorometer/Turbidity sensor
July	1		Mooring C Service	_		
June	35			isobaths		
July 25 - Aug 2	10	Pelican	MS River to northern TX shelf	shelf-wide survey		
Aug 10-15				continuous monitoring	Acrobat towfish	SeaBird SBE43 dissolved oxygen sensor, Seabird CTD, and Wetlabs Fluorometer/Turbidity sensor
	<u> </u>			monitoring and process	SeaBird 011+ CTD	Standard hydrographic, physical, chemical, and biological parameters; ADCP data
	Monthly 31-Mar Mar 19-20 April 12-13 April May 16-17 May June 17-18 June July June July June	Monthly 2 31-Mar 2 Mar 19-20 2 April 12-13 2 April 6 May 16-17 2 May 1 June 17-18 2 June 6 July 1 June 35 July 25 - Aug 2 10 Aug 10-15 5 Aug 4-8 (TBD) 4	Monthly 2 LeMoyne 31-Mar 2 Mar 19-20 2 Pelican April 12-13 2 Pelican April 6 Pelican May 16-17 2 Pelican May 1 June 17-18 2 Pelican June 6 Manta July 1 June 35 Oregon II July 25 - Aug 2 10 Pelican Aug 10-15 5 Manta Aug 4-8 (TBD) 4 Acadiana	St. Louis Bay, MS, western Mississippi Sound, and out to 20 m isobath south of barrier islands (CenGOOS mooring) 31-Mar 2 Mooring C deployment, 29N, 92W Mar 19-20 2 Pelican Transects C & F April 12-13 2 Pelican Transects C & F April 6 Pelican 4 stations on LA shelf May 16-17 2 Pelican Transects C & F May 1 Mooring C Service June 17-18 2 Pelican Transects C & F June 6 Manta East Matagorda Bay to Southwest Pass July 1 Mooring C Service June 35 Oregon II Brownsville, TX to east of MS River July 25 - Aug 2 10 Pelican MS River to northern TX shelf Aug 10-15 5 Manta East Matagorda Bay to Southwest Pass Aug 4-8 (TBD) 4 Acadiana AUV and Benthic Profiler	St. Louis Bay, MS, western Mississippi Sound, and out to 20 m isobath south of barrier islands (CenGOOS mooring) Transects C & F April 12-13 Pelican Transects C & F April 12-13 Pelican Transects C & F April 6 Pelican Transects C & F April 7 Pelican Transects C & F April 7 Pelican Transects C & F April 7 Pelican Transects C & F April 8 April 9 Pelican Transects C & F April 9 Pelican Transects C & F Transects C & F May Transects C & F Mooring C Service Mooring C Service Transects C & F Mooring C Service Transects C & F Transects C & F Mooring C Service Transects C & F Transect monitoring Transect m	St. Louis Bay, MS, western Mississippi Sound, and out to 20 m isobath south of barrier islands (CenGOOS mooring) cross-shelf transect Optode DO sensor Mooring C deployment, 29N, 92W Mooring deployment Mar 19-20 2 Pelican Transects C & F monitoring and process studies SeaBird 911+ CTD April 12-13 2 Pelican Transects C & F transect monitoring SeaBird 911+ CTD April 6 Pelican 4 stations on LA shelf process studies monitoring and process studies May 16-17 2 Pelican Transects C & F studies SeaBird 911+ CTD May 1 Mooring C Service Mooring C Service June 17-18 2 Pelican Transects C & F transect monitoring SeaBird 911+ CTD June 6 Manta East Matagorda Bay to Southwest Pass continuous monitoring Acrobat towfish July 1 Mooring C Service between the 10 and 200 m isobaths July 25 - Aug 2 10 Pelican MS River to northern TX shelf shelf-wide survey Aug 10-15 5 Manta East Matagorda Bay to Southwest Pass continuous monitoring Acrobat towfish Aug 4-8 (TBD) 4 Acadiana AUV and Benthic Profiler AUV and profiler testing monitoring and process

DiMarco	Aug 12-18	6	Pelican	5 stations on LA shelf	process studies		
							Standard hydrographic, physical,
							chemical, and biological parameters;
Rabalais	Sept 5-6	2	Pelican	Transects C & F	transect monitoring	SeaBird 911+ CTD	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		