Appendix

Figures:

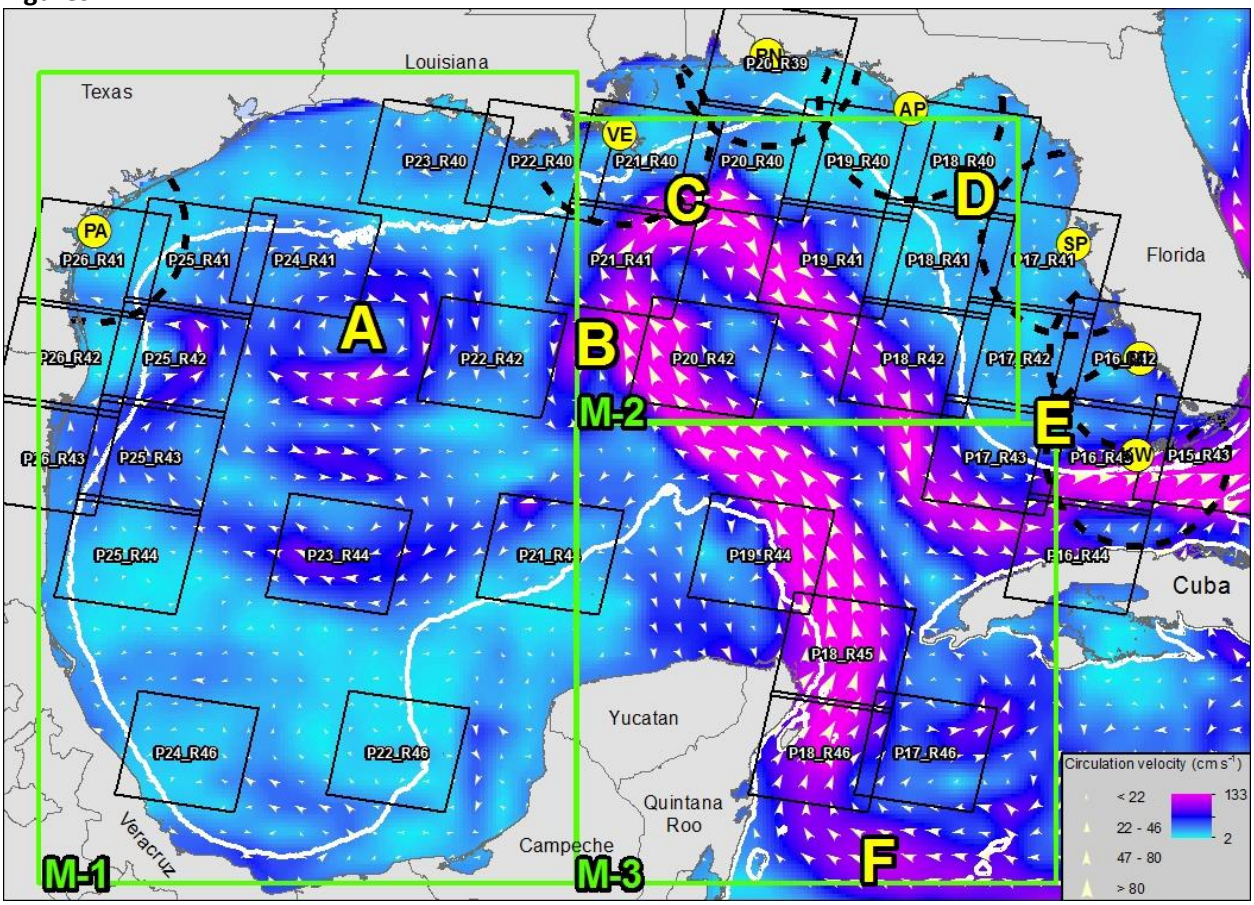

Figure 1. Typical patterns of Gulf of Mexico surface circulation velocity (background) and direction (arrows), example data from 5 August 2015. Transects through surface-pelagic drift habitats would be conducted from waters up to 80 nautical miles (dashed lines) from ports along the northern and eastern Gulf coast: PA = Port Aransas, TX; VE = Venice, LA; PN = Pensacola, FL; AP = Apalachicola, FL; SP = St. Petersburg, FL; MI = Marco Island, FL; KW = Key West, FL. The western Gulf study area would provide access to waters downstream of Kemp's Ridley nesting beaches which are influenced by eddies detached from the Gulf Loop Current (A, B). From the ports of Venice and Pensacola, we would access the northern boundary of the Gulf Loop Current (C). The eastern Gulf study areas (D, E) include areas where both surface-pelagic drift habitat and juvenile sea turtles have been reliably encountered as part of our previous work. Southern Gulf and northern Caribbean study areas would be determined based on oceanographic conditions, e.g., the Cayman Current (F). Black boxes represent Landsat scenes that are of interest to this study. Green boxes indicate existing and proposed MODIS processing regions. USF-OOL currently provides imagery for the western Gulf (M-1). MODIS imagery for north-central (M-2) and south central (M-3) Gulf waters would also be of interest to this study.
The 200 m bathymetric contour is shown in white and indicates the boundary for continental shelf waters.

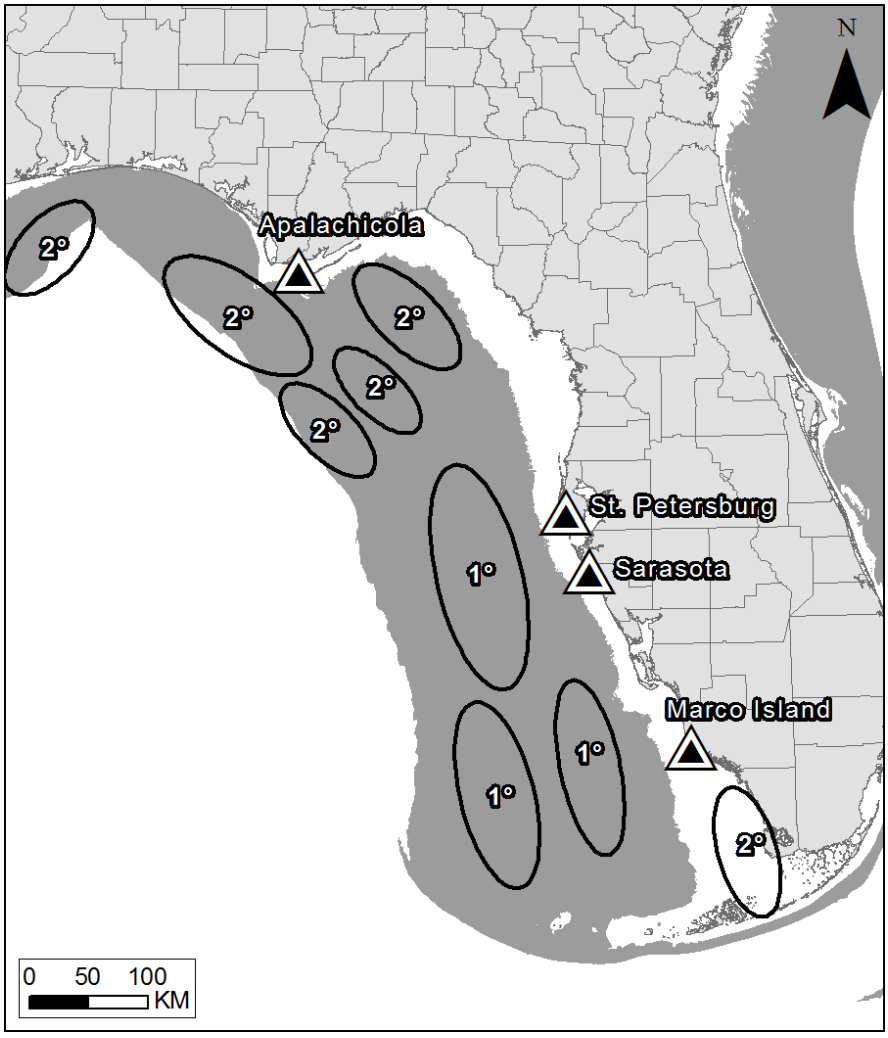

Figure 2. Focal areas on the West Florida Shelf (WFS) for transect surveys and direct captures of loggerheads. Primary (1°) study sites would be on the central and southern WFS within the 15-150m depth range (shaded region). A subset of secondary (2°) study regions within northern and inshore regions of the WFS would also be surveyed. Potential focal areas were identified based on the presence of loggerheads (direct observation or satellite tracking [Hardy et al. 2014]), red grouper (Hanisko et al. 2013), and potential hardbottom habitats (Jenkins 2011).

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Budget

	Y1	Y2	Y3	Y4	Y5	Y6	Total
Salaries	114770	139918	139918	139918	139918	139918	814360
Fringe	48758	57153	57153	57153	57153	57153	334523
Travel	3190	3190	3190	3190	3190	3190	19140
Equipment	330000	0	0	0	0	0	330000
Contracts	242000	242000	242000	242000	242000	242000	1452000
Supplies	129580	129580	129580	129580	129580	129580	777480
Other	35343	35343	35343	35343	35343	35343	212058
Indirect	89908	99001	99001	99001	99001	99001	584913
Total	993549	706185	706185	706185	706185	706185	4524474