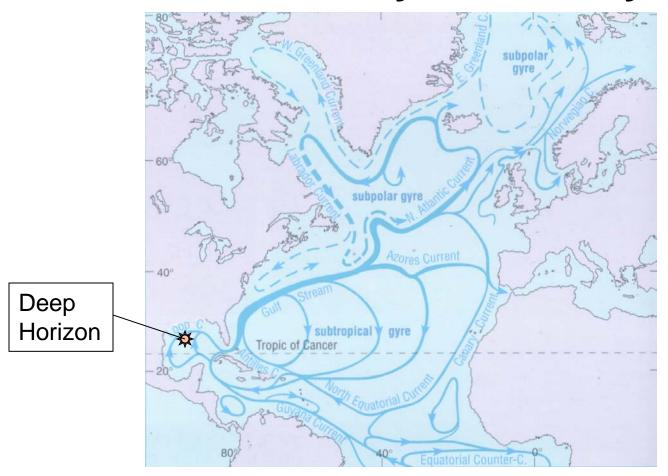
Physical Oceanography of the Straits of Florida and Oil Spills

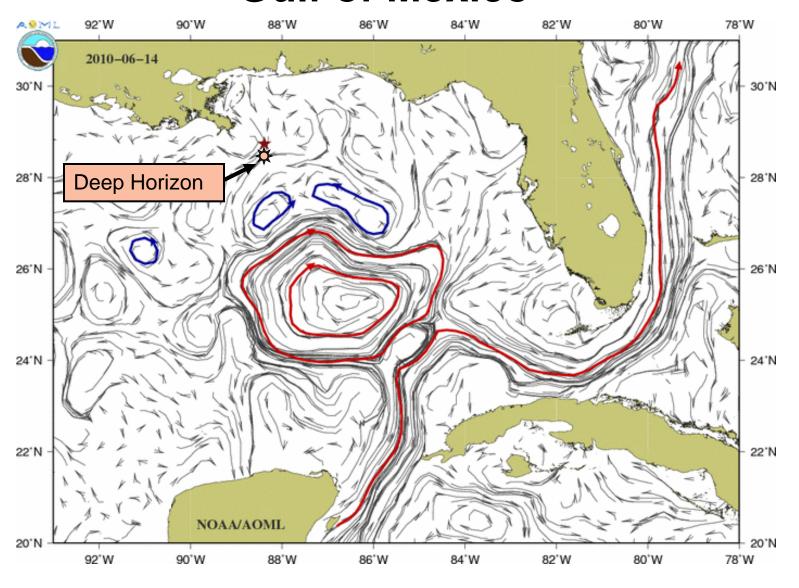
Alex Soloviev
Associate Professor
Oceanographic Center
Nova Southeastern University

The Atlantic Subtropical Gyre and the Western Boundary Current System



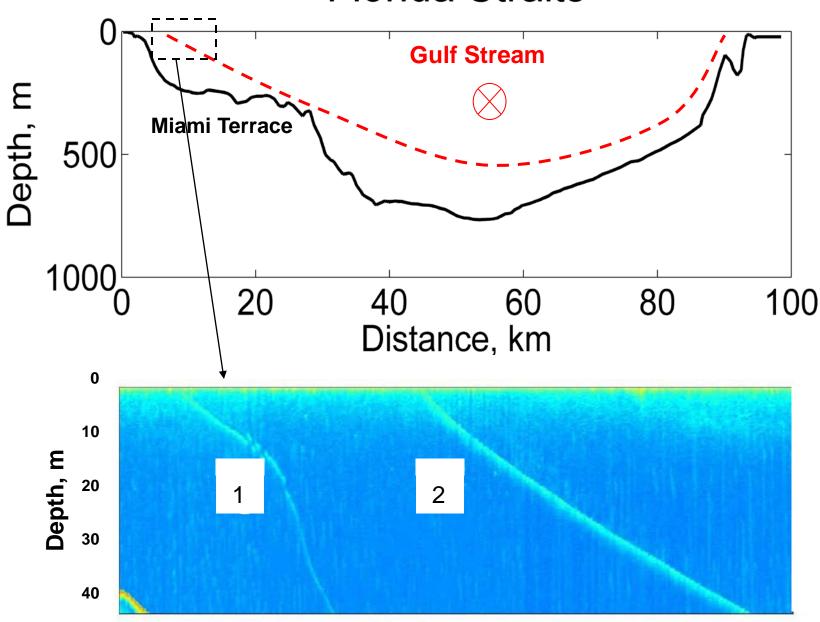
Due to dependence of the Earth rotation effects on latitude, the oceanic gyre takes an asymmetric shape including a strong and narrow western boundary current passing through the Gulf of Mexico as the Loop Current and then through the Straits of Florida as the Florida Current.

Current Ocean Conditions in the Gulf of Mexico



Tracking the oil spill

Florida Straits





NSUOC Ocean Observing System in the Straits of Florida



