

# Deep Connections 2019: Exploring Atlantic Canyons and Seamounts of the United States and Canada (EX1905 Legs 1 and 2)

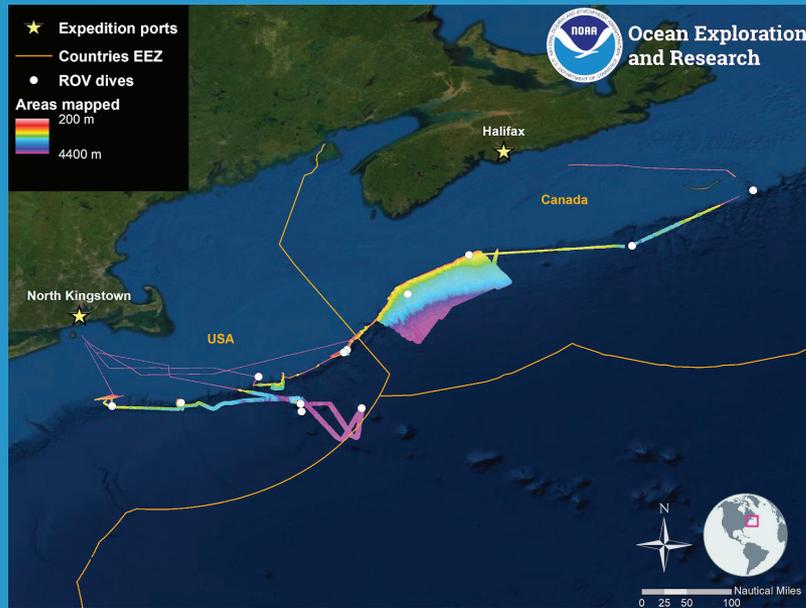
NOAA Ship *Okeanos Explorer*, August 6 – September 15, 2019

[oceanexplorer.noaa.gov/okeanos/explorations/ex1905/welcome.html](http://oceanexplorer.noaa.gov/okeanos/explorations/ex1905/welcome.html)

ASPIRE



Ocean Exploration and Research



This map shows the locations of mapping and ROV operations conducted during the **Deep Connections 2019** expedition. Map courtesy of the NOAA Office of Ocean Exploration and Research.



Documented three large (>1 meter) endangered Atlantic halibut (*Hippoglossus hippoglossus*) in an unnamed canyon north of Kinlan Canyon.



Documented a stunning, unbroken sequence of carbonate rock with near-vertical relief at Veatch Canyon. The feature is more than 100 meters thick and comparable in height to the Cliffs of Dover.



Conducted six ROV dives in three marine managed areas: the Gully Marine Protected Area, the Northeast Canyons and Seamounts Marine National Monument, and the Frank R. Lautenberg Deep-Sea Coral Protection Area.



28,510+ square kilometers of seafloor mapped



35 biological and 5 geological primary samples collected



51 scientists, managers, and students from 7 different countries participated



12 remotely operated vehicle (ROV) dives at depths between 306 and 2,668 meters



5 dives documented high-density coral and sponge communities



112,830+ live video views and 23,500+ expedition content views