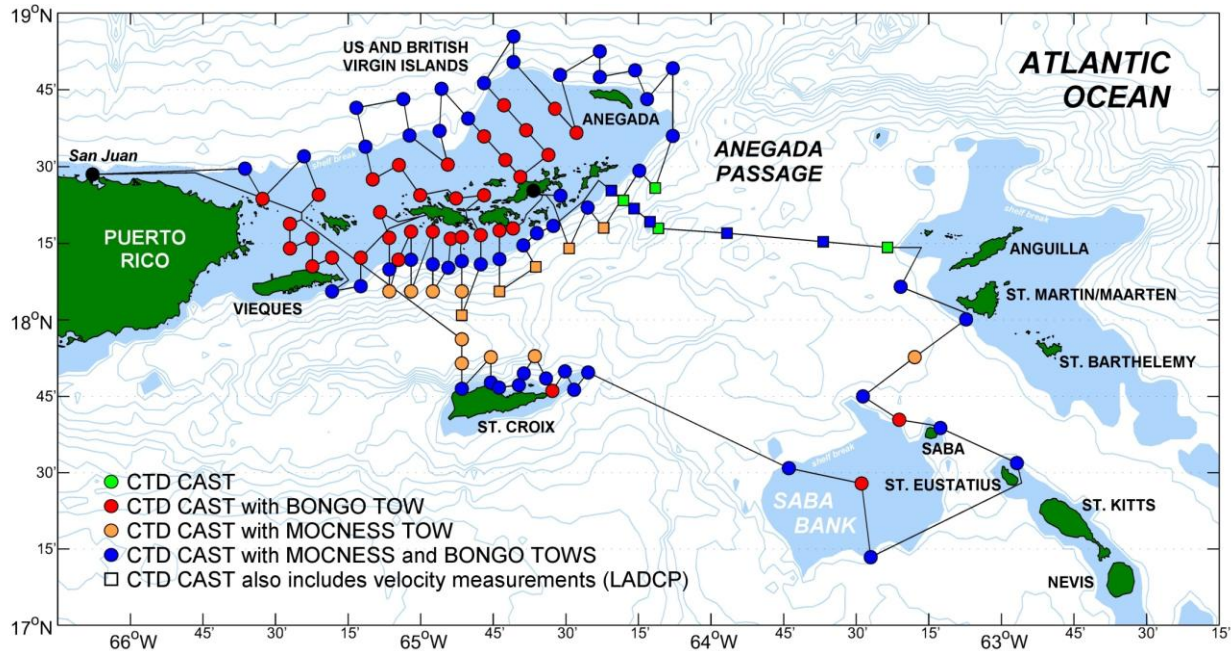
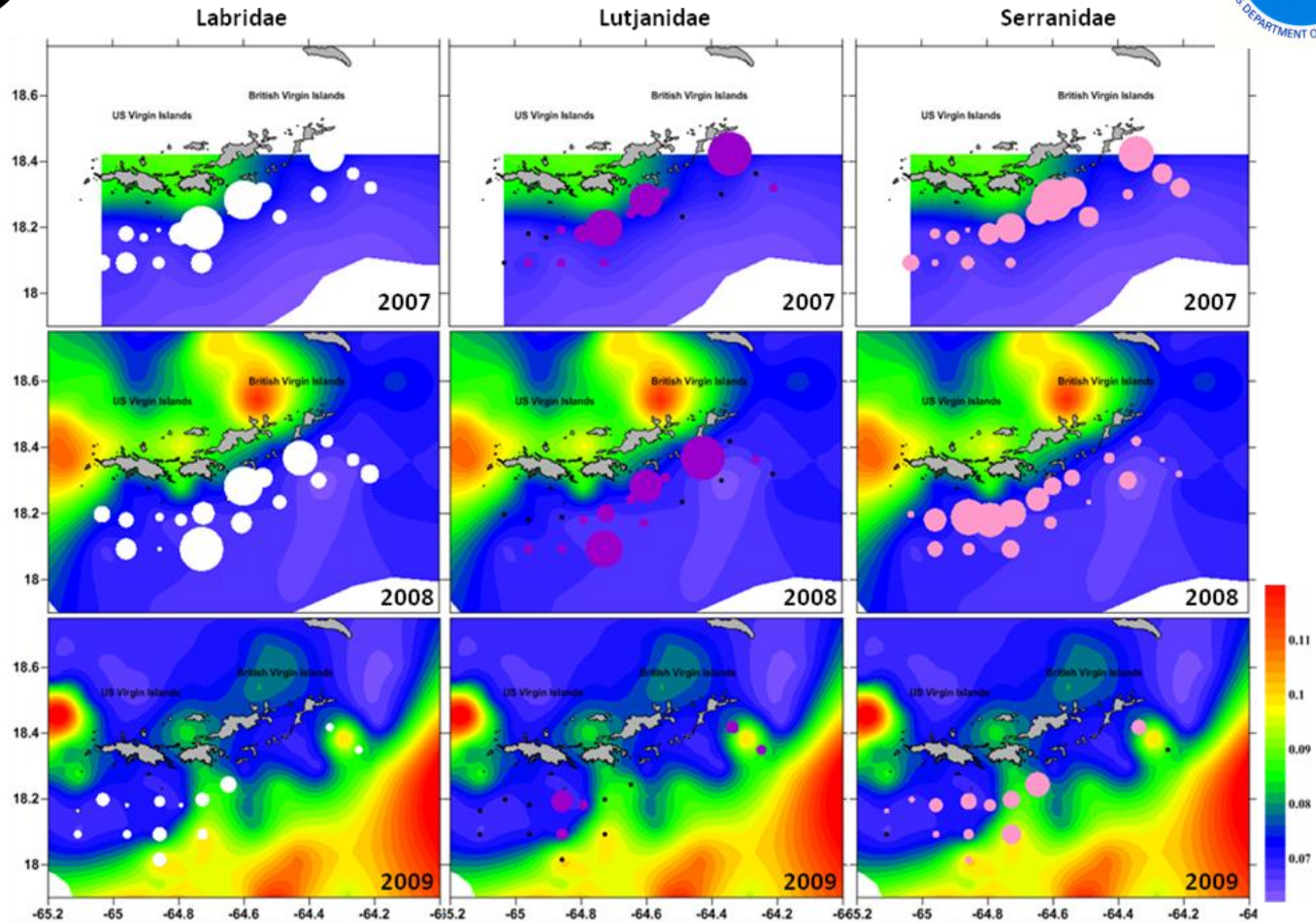


10233: US Virgin Islands Larval Reef Fish Distribution & Supply: connectivity science, MPAs, & fisheries management.

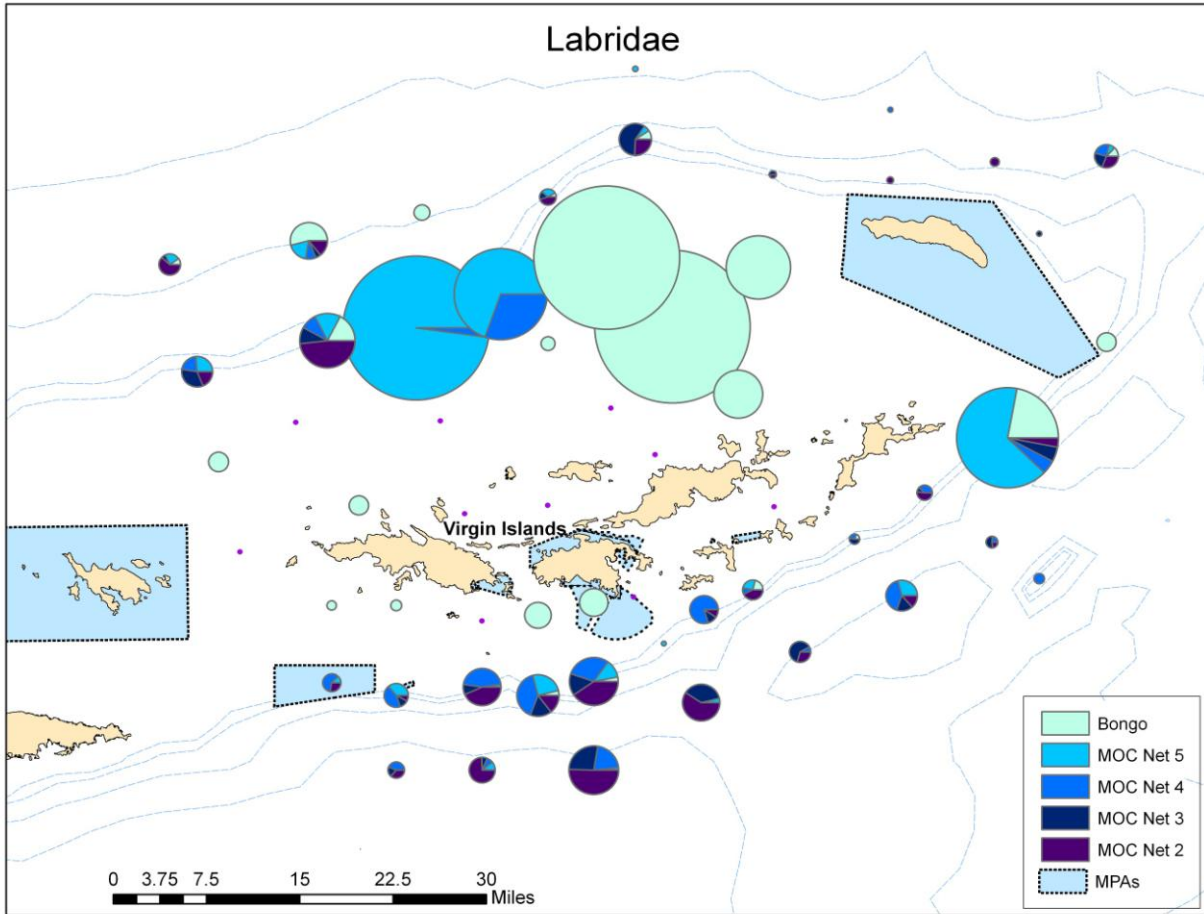
CORIS Product FY09: Larval reef fish distribution maps by, year, depth and family across the USVI.



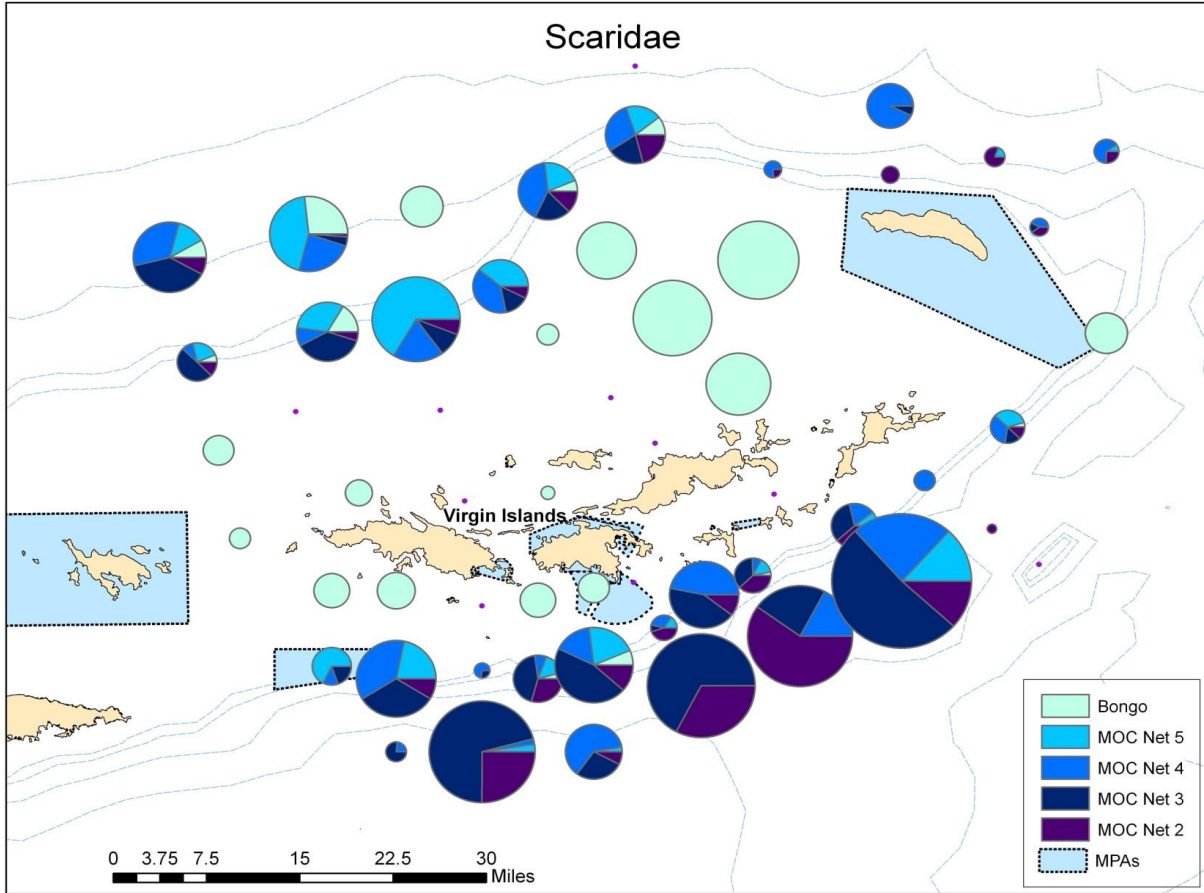
Map 1: Final list of stations completed on the cruise # NF0903 that took place in April 7<sup>th</sup> - 20<sup>th</sup>, 2009 aboard the NOAA Ship Nancy Foster in the US Virgin Islands, Puerto Rico, Anegada Passage, Leeward Islands and Saba Bank. Gear utilized included Bongo tows, MOCNESS (Multiple Opening and Closing Net Environmental Sampling System) net tows, CTD (Conductivity, Temperature, Depth) and LADCP (Lowered Acoustic Doppler Current Profiler)



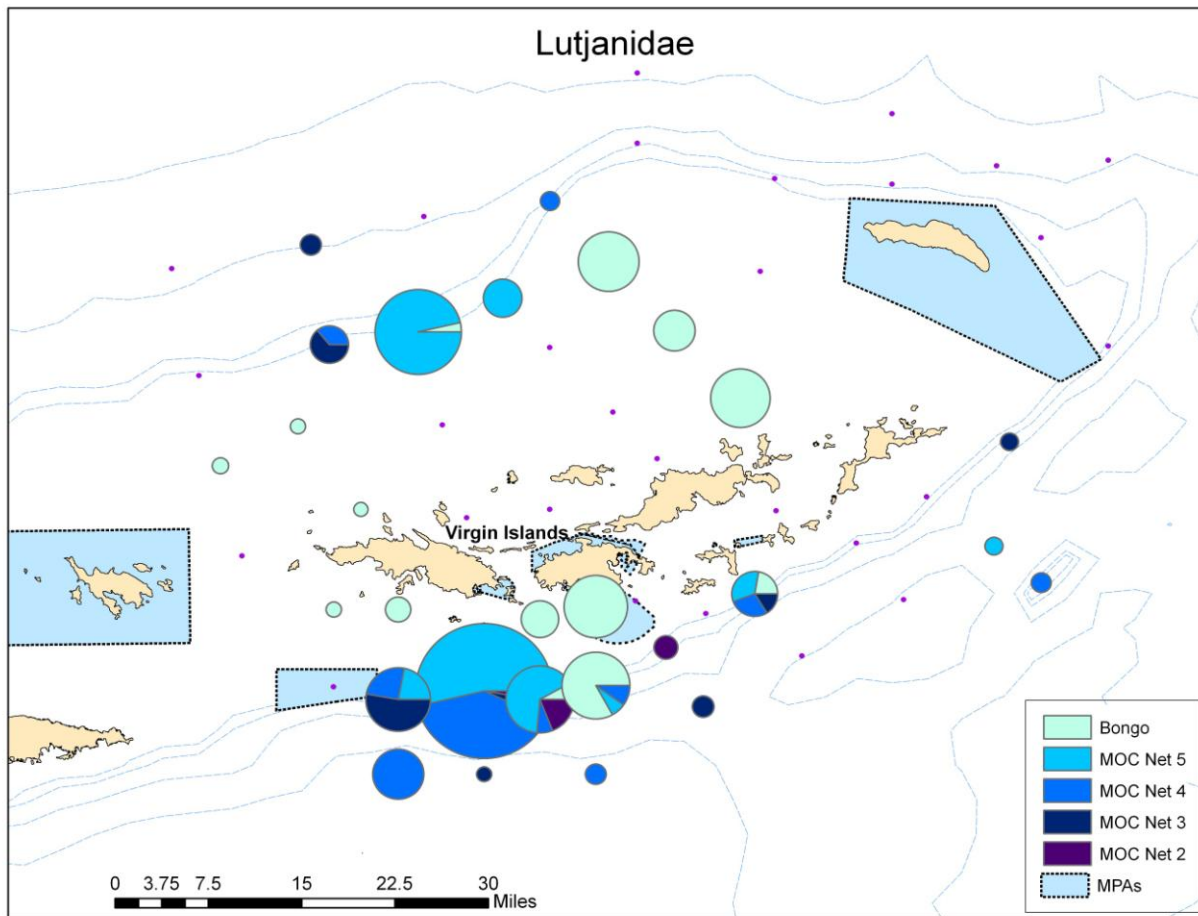
Map 2: Larval fish family abundances plotted by year for three common reef fish families in the Virgin Islands: Labridae (wrasse), Lutjanidae (Snappers) and Serranidae (Groupers). Larval fish were collected aboard the NOAA Ship Nancy foster using MOCNESS (Multiple Opening and Closing Net Environmental Sampling System) overlaid on top of sea surface fluorescence for cruise years 2007, 2008, and 2009. The sizes of the circles indicate higher abundances and warmer colors indicate higher values of fluorescence.



Map 3: Map of larval fish abundance for Labrids (Wrasse) plotted by depth for cruise 2008 (#NF0805) during the Virgin Islands cruise portion. Larval fish were collected aboard the NOAA Ship Nancy foster using MOCNESS (Multiple Opening and Closing Net Environmental Sampling System) at 25 meter depth increments from 100 m to the surface as well as Bongo nets that were towed just below the surface at 10 minute intervals throughout the cruise track. Stations shown within marine protected areas (light blue) were included in the sampling design.



Map 4: Map of larval fish abundance for Scarids (parrotfish) plotted by depth for cruise 2008 (#NF0805) during the Virgin Islands cruise portion. Larval fish were collected aboard the NOAA Ship Nancy foster using MOCNESS (Multiple Opening and Closing Net Environmental Sampling System) at 25 meter depth increments from 100 m to the surface as well as Bongo nets that were towed just below the surface at 10 minute intervals throughout the cruise track. Stations shown within marine protected areas (light blue) were included in the sampling design.



Map 5: Map of larval fish abundance for Lutjanids (snapper) plotted by depth for cruise 2008 (#NF0805) during the Virgin Islands cruise portion. Larval fish were collected aboard the NOAA Ship Nancy foster using MOCNESS (Multiple Opening and Closing Net Environmental Sampling System) at 25 meter depth increments from 100 m to the surface as well as Bongo nets that were towed just below the surface at 10 minute intervals throughout the cruise track. Stations shown within marine protected areas (light blue) were included in the sampling design.