

Blake Ridge, South Atlantic Bight



Underwater videography scene of bacterial mats (white) on smooth unconsolidated sediment. The two red dots are calibration lights for the video system and are fixed at 10 cm apart (image courtesy of NOAA Office of Ocean Exploration).



General location map

CMECS Classification

Biogeographic Setting:

- Realm: Temperate North Atlantic
- Province: Warm Temperate Northwest Atlantic
- Ecoregion: Carolinian

Aquatic Setting:

- System: Marine
- Subsystem: Oceanic
- Tidal Zone: Subtidal

Water Column Component:

- Water Column Layer: Marine Oceanic Mesopelagic Layer
- Salinity Regime: Euhaline
- Temperature Regime: Cold

Geoform Component:

- Tectonic Setting: Passive Continental Margin
- Physiographic Setting: Continental Slope
- Geoform Origin: Geologic
- Level 1 Geoform: Diapir
- Level 1 Geoform Type: Undifferentiated
- Level 2 Geoform: Ridge
- Level 2 Geoform Type: Undifferentiated

Substrate Component:

- Substrate Origin: Geologic Substrate
- Substrate Class: Unconsolidated Mineral Substrate
- Substrate Subclass: Fine Unconsolidated Substrate
- Substrate Group: Mud
- Substrate Subgroup: Silt

Biotic Component

- Biotic Setting: Benthic/Attached Biota
- Biotic Class: Microbial Communities
- Biotic Subclass: Mat/Film-Forming Microbes
- Biotic Group: Bacterial Mat/Film