SeepC: R/V Atlantis expedition 6th - 29th July 2015

Chief Scientist: CL Van Dover

Co-Pls: C Young, S Maslakova (U Oregon)
R He, D Eggleston (NCSU)
C Cunningham (Duke)

Alvin Expedition Leader: R Waters Sentry Expedition Leader: C Kaiser



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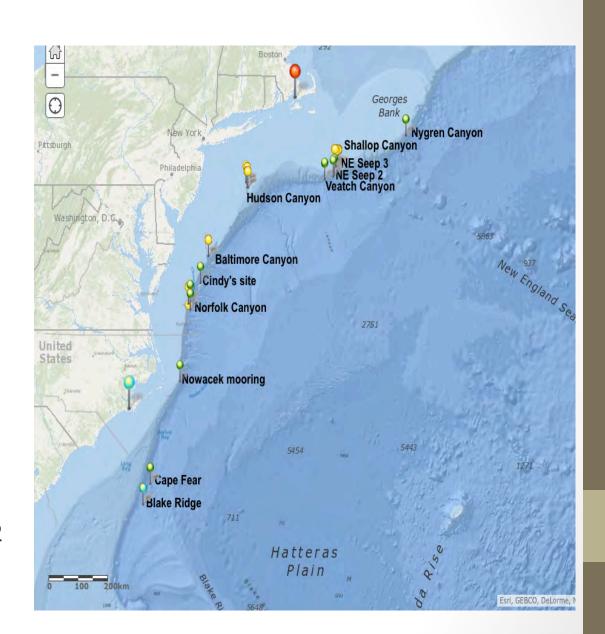
Sites

Mooring Recovery

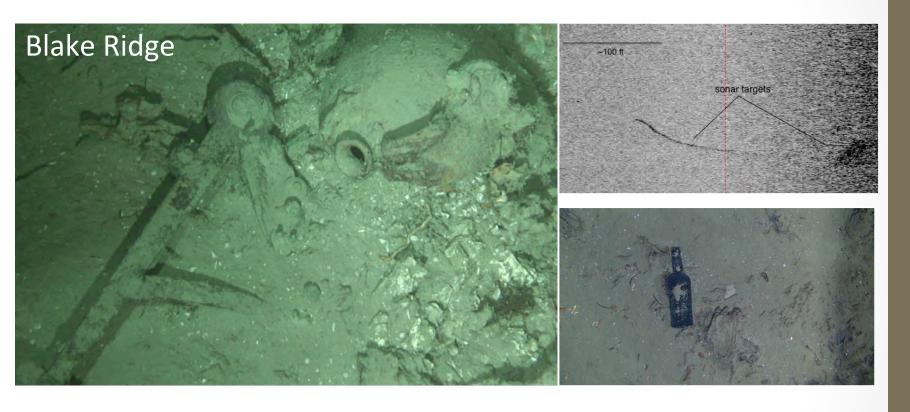
- Blake Ridge
- Cape Fear

Characterizing Invertebrate Communities

- Norfolk East
- Norfolk West
- C-Site (new)
- Baltimore
- Veatch
- Shallop
- New England Seep 2



Mooring Search: Sentry + Alvin



National News Coverage

Fox8 Discovery-news CNN nbc-news CBS

Shallow and Deep Seeps: Alvin

Shallow: 300 – 500m

Deep: 1000 – 1500m

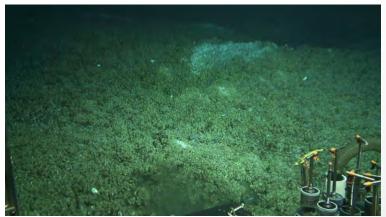
Baltimore Canyon – 410m











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Plankton Sampling: SyPRID



A Precision, Large Volume Plankton Sampler - SyPRID

Samples collected from <5m above bottom

MOCNESS: unable to sample the bottom 50 – 100m

Sampled at seep / non-seep sites to investigate assemblage differences

SyPRID

Sentry Precision, Robotic, Propeller-Driven Plankton Sampler



SeepC Project

NSF OCE-1031050 (Van Dover)

NSF OCE-1030453 (Young)

Sentry Operations

NSF OCE-1036843 (A Bowen)









National Deep Submergence Facility