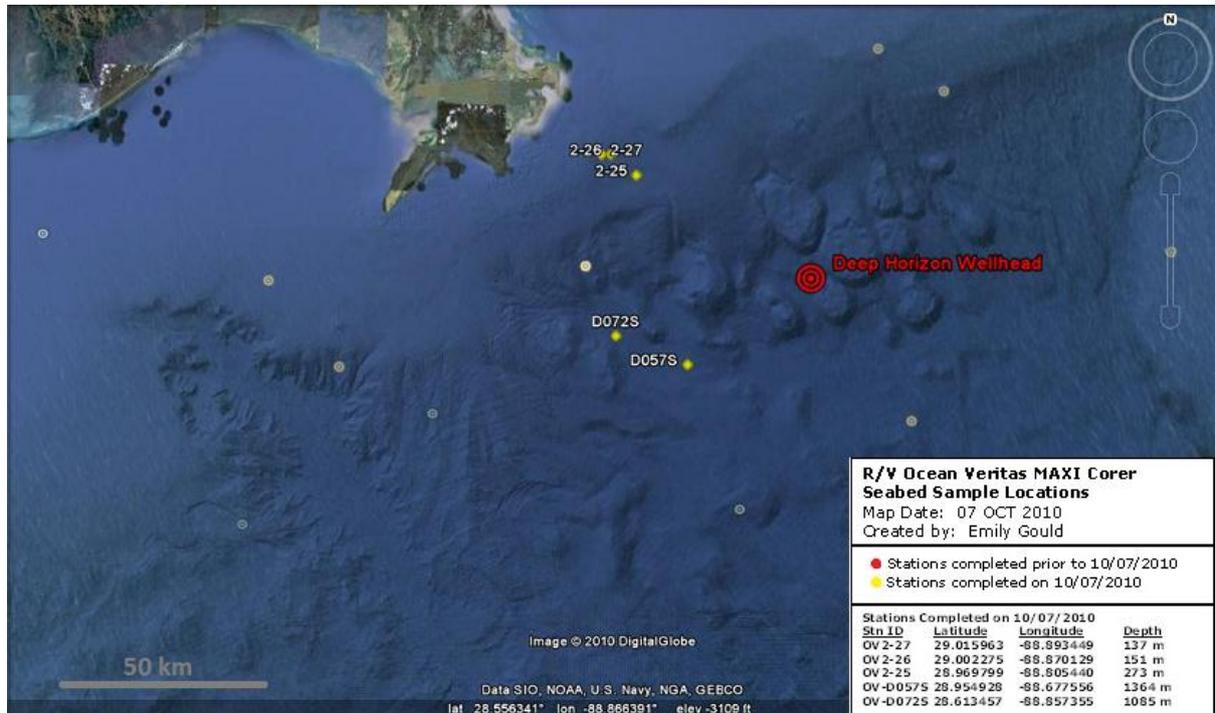


<i>Seabed Sampling and Baited Camera Operations</i>	
Vessel	R/V Ocean Veritas
Summary Report Number	08
Operating equipment	MAXI Corer (8 core unit)
Date	07 October 2010
Completed casts (12 hr)	05
Report compiled by	Emily Gould

Seabed Sampling Locations



All cores were processed and stored in accordance with SOPOV01. GC/MS and Microtox™ toxicology testing was planned to be conducted offshore, however outstanding supplies meant that this was not possible. Samples were prepared and stored for hydrocarbon, trace metal, BTEX, grainsize, total inorganic carbon, total organic carbon, meiofauna and macrofauna testing and analysis onshore.

The core tube is 60 cm in length with an internal diameter of 10 cm. Typical sample recovery from the core is as follows:

Supernatant water: length = 15 cm, volume = 1178 cm³

Sediment: length = 45 cm, volume = 3534 cm³

Station 2-27

Lat: 29.015963

Long: -88.893449

Cores recovered: 8 of 8

Supernatant water

Recovery: 8 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 52 cm

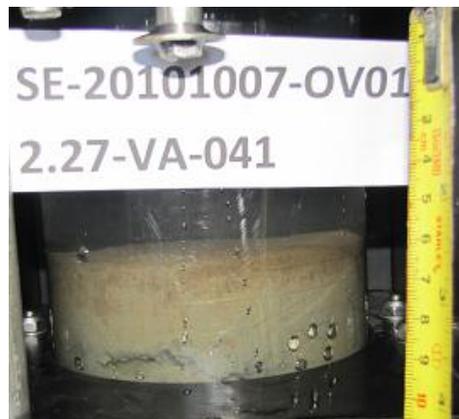
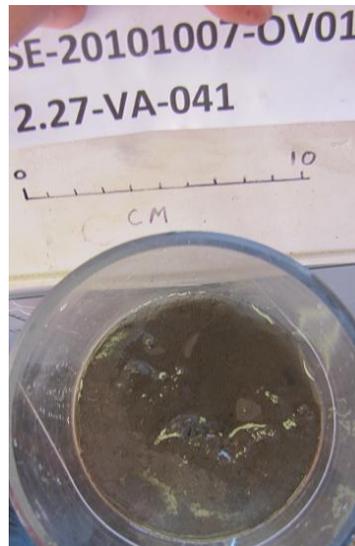
Visible contamination: Yes, sheen on surface.

Olfactible contamination: None

Description: Olive fluidized sediment to approximately 2 cm depth. Olive grey, very soft, homogenous silty clay, becoming soft.

Biota: Polychaetes, decapod.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station 2-26

Lat: 29.002275

Long: -88.870129

Cores recovered: 8 of 8

Supernatant water

Recovery: 8 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 52 cm

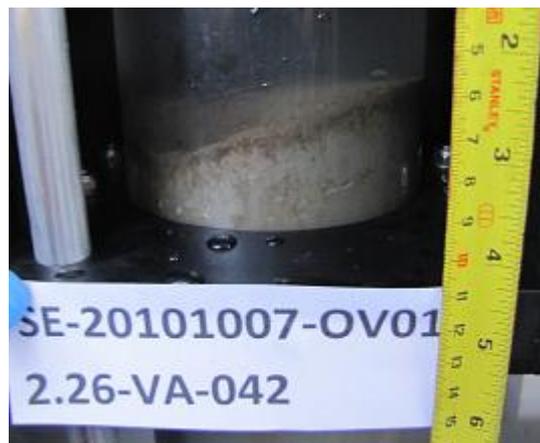
Visible contamination: Yes, sheen on surface.

Olfactible contamination: None

Description: Olive brown fluidized sediment to approximately 2 cm depth. Olive grey, soft, homogenous silty clay with anoxic layer 1cm thick ~30cm.

Biota: Worms.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station 2-25

Lat: 28.969799

Long: -88.805440

Cores recovered: 8 of 8

Supernatant water

Recovery: 14 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 46 cm

Visible contamination: Yes, sheen on surface.

Olfactible contamination: None

Description: Olive brown fluidized sediment to approximately 2-3 cm depth. Olive grey, very soft, homogenous silty clay, becoming soft.

Biota: Worms.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station D057S

Lat: 28.549282

Long: -88.677556

Cores recovered: 8 of 8

Supernatant water

Recovery: 25 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 35 cm

Visible contamination: Yes, sheen on surface.

Olfactible contamination: None

Description: Olive fluidized sediment to approximately 2-3 cm depth. Olive grey, soft, homogenous silty clay with stiff layer ~20-30cm.

Biota: Polychaetes, possible foraminifera band ~15cm.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station D072S

Lat: 28.613457

Long: -88.857355

Cores recovered: 8 of 8

Supernatant water

Recovery: 33 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 27 cm

Visible contamination: None.

Olfactible contamination: None

Description: Olive fluidized sediment to approximately 2 cm depth. Olive grey, firm to stiff, homogenous silty clay with isolated organic patches.

Biota: Worms.

Top 3 cm removed for GC/MS analysis prior to core extrusion.

