Settlement Confidential

Germano & Associates, Inc.

January 2012

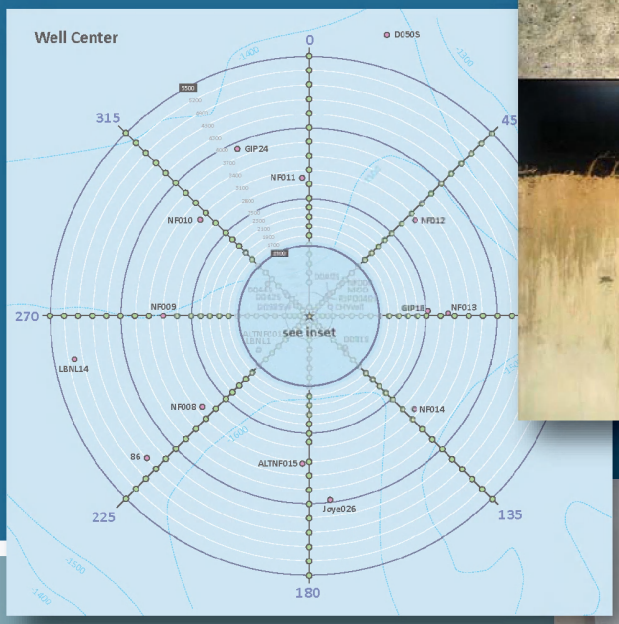
Deepwater Horizon Natural Resource Damage Assessment

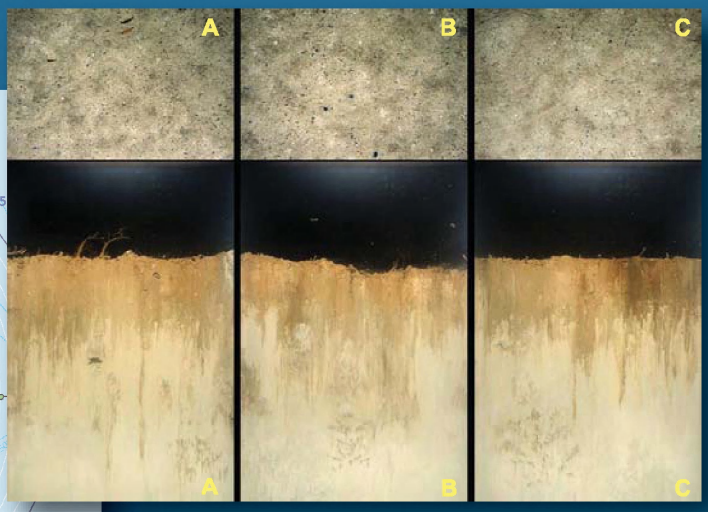
Preliminary Draft/Based on Limited Dataset

Offshore and Deepwater Softbottom and Benthic Community Structure Survey

Sediment Profile Imaging Report Leg 1

(Cruise Date: April 7-23, 2011)





Prepared for

BP Americas Inc.
501 Westlake Park Boulevard, Houston, TX 77079
www.bp.com

Prepared by

Germano & Associates, Inc
12100 SE 46th Place, Bellevue, WA 98006
www.remots.com

With technical assistance from

Cardno ENTRIX
5252 Westchester Street, Suite 250, Houston, TX 77005
www.cardnoentrix.com

Integral Consulting Inc.
1205 West Bay Drive NW, Olympia, WA 98502-4670
www.integral-corp.com

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Table of Contents

Appendices

Tables

Figures

Acronyms and Abbreviations

aRPD	apparent redox potential discontinuity
DGPS	differential global positioning system
ISO	International Organization for Standardization for digital still camera speed (ISO 1232:2006) defines an arithmetic scale equivalent to the old color film ASA (American Standard Association) number
JPEG	Joint Photographic Experts Group
MC-252	Mississippi Canyon 252
NEF	Nikon Electronic Format
NOAA	National Oceanic and Atmospheric Administration
NRDA	Natural Resource Damage Assessment
NTDW	nontube dweller
OMNI	carnivore-scavenger-omnivore
POC	particulate organic carbon
RGB	red/green/blue digital image color space
ROV	remotely operated vehicle
SDF	surface-deposit feeder
SIMOPS	BP simultaneous operations
SLR	single-lens reflex camera
SPI/PV	sediment profile image/plan view
SOD	sediment oxygen demand
SSDF	subsurface deposit feeder
TDW	tube dweller
USBL	ultrashort baseline (tracking system)

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Chapter 1

Introduction and Overview

This report presents the results from analyzing the sediment profile imaging/plan view (SPI/PV) images collected during Leg 1 of the NRDA cooperative *Offshore and Deepwater Softbottom Sediment and Benthic Community Structure Survey* (SPI Plan, Cardno ENTRIX et al. 2011a). The study was designed to map surface physical and biological sediment structures as well as the type and geographic extent of surface seafloor sediment deposits (upper 20 cm) in the area surrounding the MC-252 wellhead that may have been deposited from pre-spill drilling activities, the Deepwater Horizon spill, or well control activities. The survey was conducted April 7 – April 23, 2011. A second leg of the study was completed September 22 – October 28, 2011. The Leg 2 cruise report is in preparation.

The SPI Plan lists two reports agreed to by the Trustees and BP. The first is a cruise report that was provided to the Trustees on July 15, 2011. The second is a full interpretive SPI/PV image analysis report. This document is the interpretive analysis report for the Leg 1 survey. A cruise report for Leg 2 and an analysis report for the combined Leg 1 and 2 are in preparation. Lead scientist Dr. Joseph Germano prepared this report and the attached appendices.

1.1 Objectives

The primary objectives of the SPI Plan were to (1) obtain samples (SPI and PV digital images) with a much greater sample density than was feasible with traditional sediment sampling techniques, (2) provide additional information that may aid in the interpretation of benthic characterization data by using sampling points co-located with sediment sampling points, and (3) identify areas or strata that show potential impacts or other notable features that could inform any future sediment sampling designs.

The SPI Plan was designed to complement the *Deepwater Sediment Sampling Study* (NOAA 2011a) and the *ROV Sediment and Bottom-Water Sampling Cruise Plan* (NOAA 2011b), and image collection at sediment chemistry and benthic infauna locations sampled during the Response. The SPI Plan also included collection of images at some locations where sediments were collected following the Deepwater Horizon spill by outside researchers (e.g., surveys led by Dr. Samantha Joye of the University of Georgia and Dr. Kevin Yeager of the University of Southern Mississippi). This collection will allow comparison of the SPI/PV results with other sediment data types (e.g., sediment chemistry, macrofauna and meiofauna communities) as those data become available. Finally, additional locations sampled with the SPI system as part of a pre-spill drilling effects study (CSA 2006) were reoccupied to evaluate long-term temporal changes in benthic and sediment conditions at those locations.

1.2 Study Area and Timeframe

SPI/PV images were collected at 231 stations on a systematic grid of radial transects extending outward from the MC-252 wellhead. Stations were located as close as allowed by SIMOPS, and outside of the 750-foot Court-Ordered Exclusion Zone around the Deepwater Horizon wreckage

(Figures 1a and 1b). As noted above, SPI/PV images also were collected at locations where benthic and sediment samples were collected as part of NRDA, Response, and related offshore sediment studies.

SPI/PV images were collected from April 7 through April 23, 2011, on the M/V *Sarah Bordelon*. Operations aboard the vessel were conducted on a 24-hour a day work schedule.

1.3 Field Methodology

1.3.1 Station Locations

Station locations that were sampled are shown on Figures 1a and 1b. Three replicate images (A, B, and C) were collected at each sample location; coordinates for these were provided in a previously submitted report Leg 1 cruise report (Cardno ENTRIX et al. 2011b). Distances between replicates at each location range from 2 to 155 m and average 45 m for the entire study. For presentation purposes, the position of the first of the three replicates (A) is plotted on all figures.

For accurate positioning of the sampling vessel the field team employed a modular computer software and hardware package based on Coastal Oceanographics' Hypack Max navigation and data acquisition software (Version 9.9.1.0.0; 2009), which interfaced data collection sensors with a differential global positioning system (DGPS) receiver. The DGPS receiver was used to navigate the survey vessel along sample transects. The DGPS and vessel fathometer were connected to an onboard computer equipped with Hypack Max. An ultrashort baseline (USBL) Sonardyne transponder was attached to the SPI camera frame to record the camera position relative to the vessel position, which was recorded with DGPS. While in the field, the actual on-bottom positions of all collected images were recorded and stored by the navigational software program.

1.3.2 Sediment Profile Imaging (SPI)

The SPI camera works like an inverted periscope. A Nikon D200 10-megapixel SLR camera with a 4-gigabyte compact flash card is mounted horizontally inside a watertight housing on top of a wedge-shaped prism. The prism has a Plexiglas faceplate at the front with a mirror placed at a 45° angle at the back. The camera lens looks down on the mirror, which is reflecting the image from the faceplate. An internal strobe mounted inside at the back of the wedge provides illumination for the image; this chamber is filled with distilled water, so the camera always has an optically clear path. This wedge assembly is mounted on a moveable carriage within a stainless steel frame. The frame is lowered to the seafloor on a winch wire, and the tension on the wire keeps the prism in its "up" position. When the frame comes to rest on the seafloor, the winch wire goes slack and the camera prism descends into the sediment at a slow, controlled rate by the dampening action of a hydraulic piston so as to minimize disturbance of the sediment-water interface. On the way down, it trips a trigger that activates a time-delay circuit of variable length (operator-selected) to allow the camera to penetrate the seafloor before any image is taken (Figure 2). The knife-sharp edge of the prism transects the sediment, and the prism penetrates the bottom.

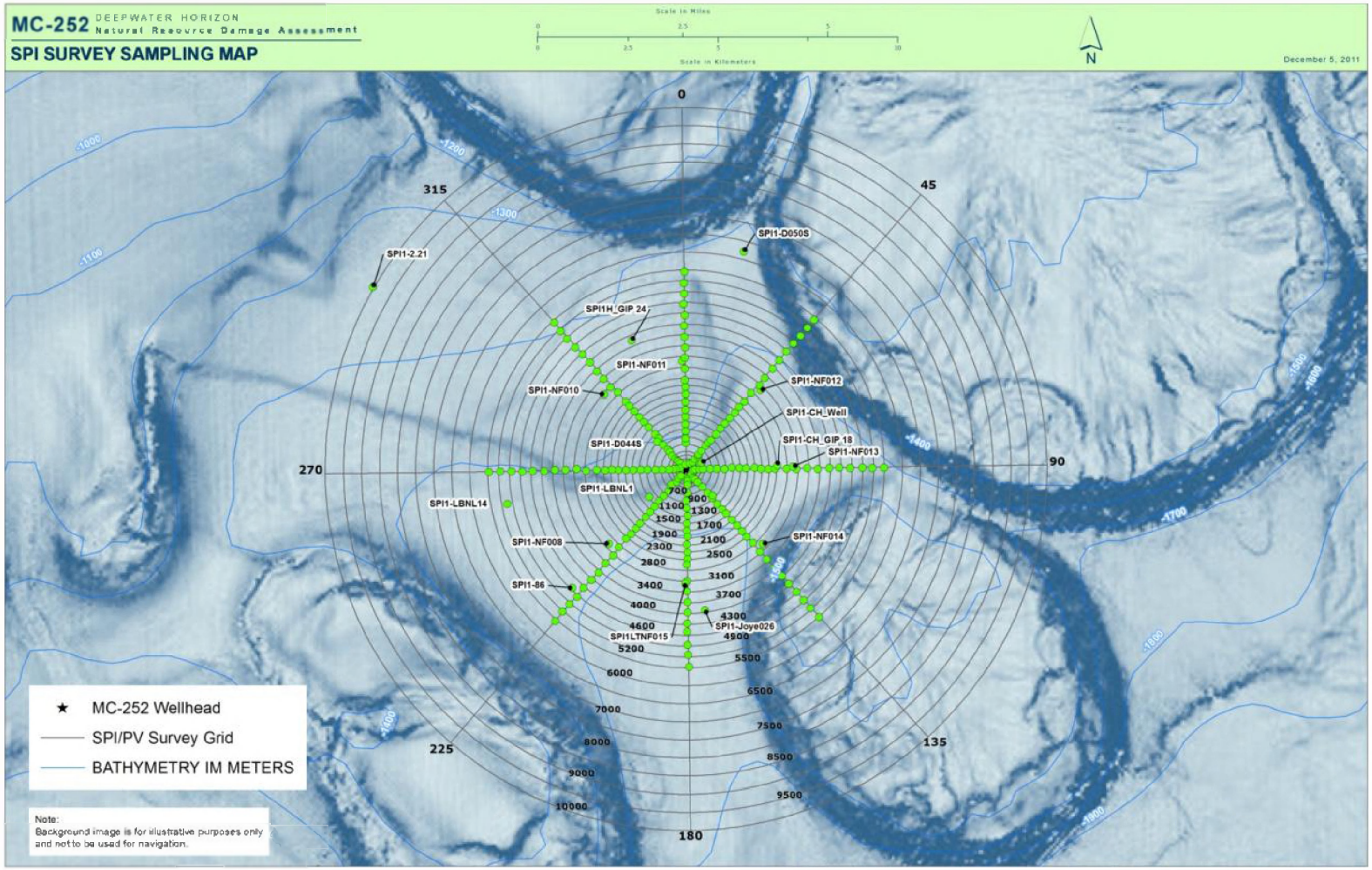

Figure 1a **SPI Radial Transects completed during Leg 1 Survey**

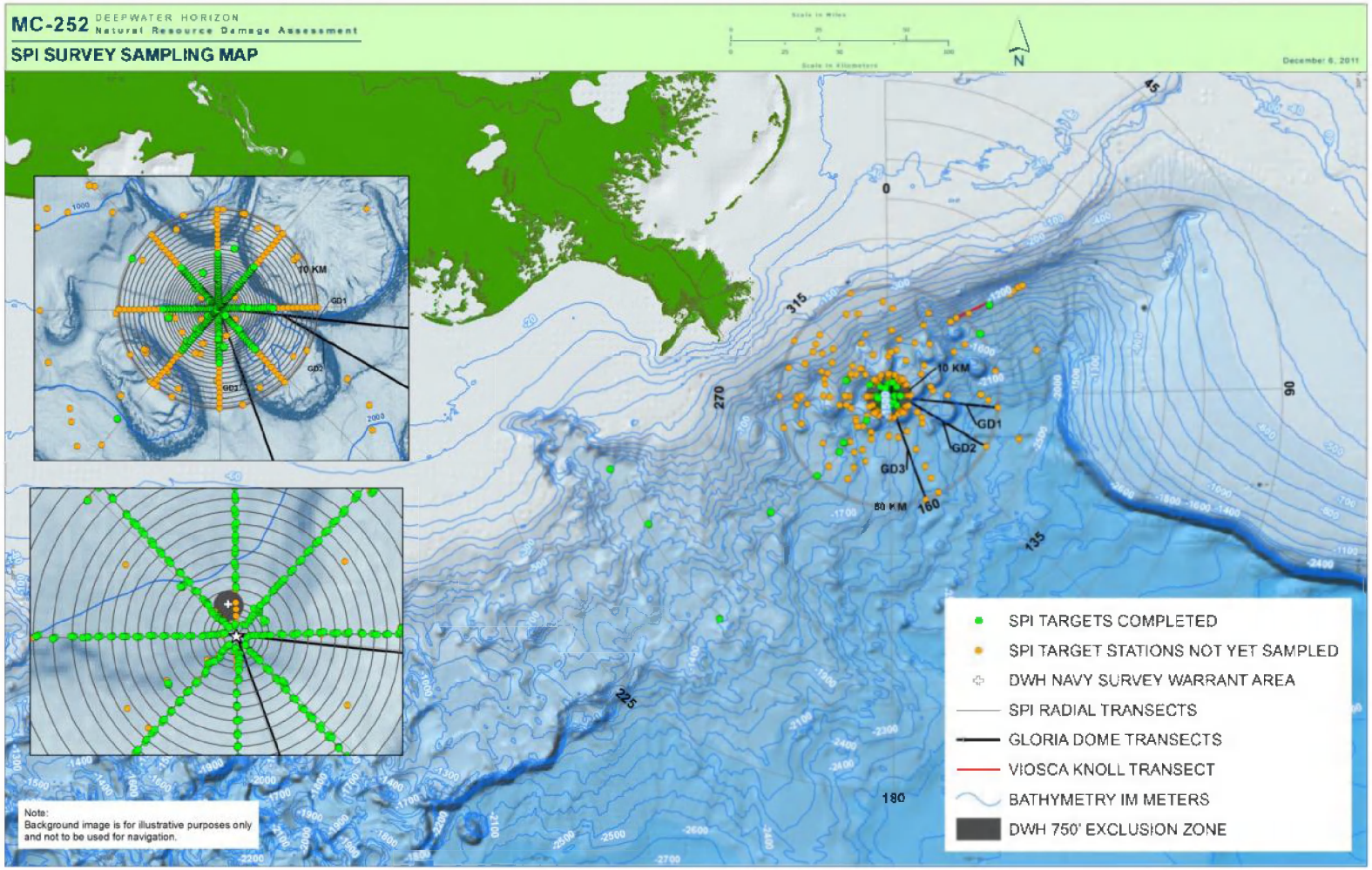

Figure 1b **SPI Regional Sampling Map**

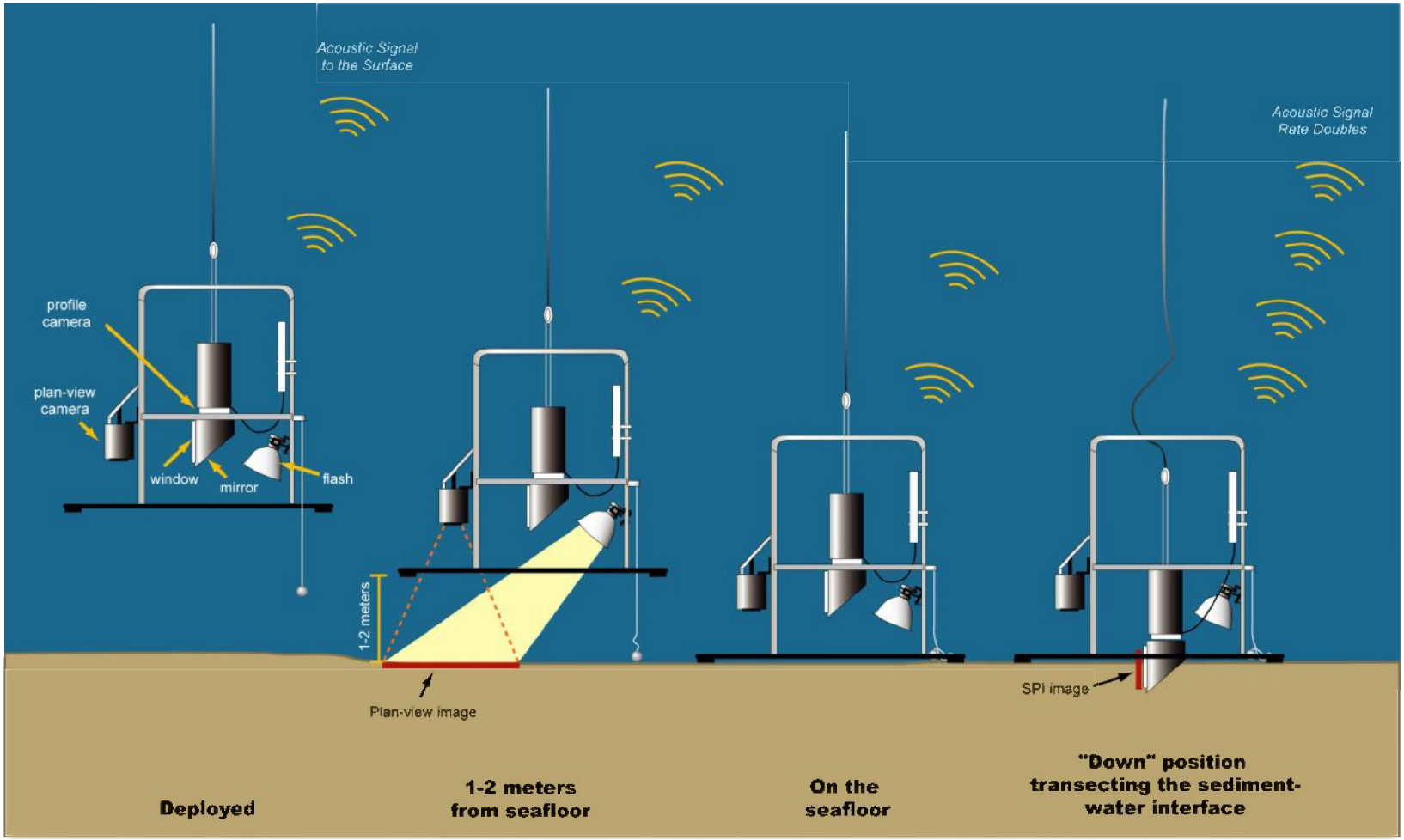

Figure 2 **Operation of the Combined Ocean Imaging Model 3731 SPI and Model DSC12000 PV Camera**

The strobe is discharged after an appropriate time delay to obtain a cross-sectional image of the upper 20 cm of the sediment column. The resulting images give the viewer the same perspective as looking through the side of an aquarium half-filled with sediment. After the first image is obtained at the first location, the camera is then raised up about 2 to 3 m off the bottom to allow the strobe to recharge; a wiper blade mounted on the frame removes any mud adhering to the faceplate. The strobe recharges within 5 seconds, and the camera is ready to be lowered again for a replicate image. Surveys can be accomplished rapidly by "pogo-sticking" the camera across an area of seafloor while recording positional fixes on the surface vessel.

Two types of adjustments to the SPI system are typically made in the field: physical adjustments to the chassis stop collars or adding/subtracting lead weights to the chassis to control penetration in harder or softer sediments, and electronic software adjustments to the Nikon D200 to control camera settings.

An initial adjustment was made to the camera stop collars and weights after the first station; these settings were kept constant throughout the remainder of the survey (see Appendix A). Camera settings (f-stop, shutter speed, ISO equivalents, digital file format, color balance, etc.) are selectable through a water-tight USB port on the camera housing and Nikon Control Pro software. At the beginning of the survey, the time on the SPI camera's internal data logger was synchronized with the internal clock on the computerized navigation system to local time. Details of the camera settings for each digital image are available in the associated parameters file embedded in the electronic image file; for this survey, the ISO-equivalent was set at 500. The additional camera settings used were as follows: shutter speed was 1/250, f9, white balance set to flash, color mode to Adobe RGB, sharpening to none, noise reduction off, and storage in compressed raw Nikon Electronic Format (NEF) files (approximately 9 MB each). Electronic files were converted to high-resolution JPEG (8-bit) format files (2592 x 3872 pixels) using Nikon Capture NX2 software (Version 2.2.7).

Each of the three SPI replicates was identified by the time recorded on the digital image file in the camera and on the disk along with vessel position on the navigation computer. The unique time stamp on the digital image was cross-checked with the time stamp in the navigational system's computer data file. The field crew also kept redundant written sample logs. Images were downloaded periodically (sometimes after each station) to verify successful sample acquisition or to assess what type of sediment/depositional layer was present at a particular station. As a further quality assurance step, the study team renamed digital image files with the appropriate station name immediately after downloading on deck.

At the beginning of the survey, the crew conducted test exposures of the Kodak Color Separation Guide (Publication No. Q-13) on deck to verify that all internal electronic systems were working to design specifications and to provide a color standard against which final images could be checked for proper color balance. A spare camera head and charged battery were carried in the field at all times to insure uninterrupted sample acquisition. After deployment of the camera at each station, the field team checked the frame counter to make sure that the requisite number of replicates had been taken. In addition, a prism penetration depth indicator on the camera frame was checked to verify that the optical prism had actually penetrated the bottom to a sufficient depth. The prism weight amounts and chassis stop positions were recorded for each replicate image (Appendix A). Images were inspected at high magnification so that the chief scientist

could determine whether any stations needed resampling due to over- or under-penetration of the camera prism.

1.3.3 Plan View (PV) Imaging

An Ocean Imaging Model DSC12000 PV camera system with two Ocean Imaging Model 400-37 Deep Sea Scaling lasers mounted to the DSC12000 were attached to the SPI camera frame and used to collect PV photographs of the seafloor surface; both SPI and PV images were collected during each deployment of the system. The PV system consisted of Nikon D-90 encased in a stainless steel housing, a 24 VDC autonomous power pack, a 500 W strobe, and a bounce trigger. A weight was attached to the bounce trigger with a stainless steel cable so that the weight hung below the camera frame; the PV camera's field of view can be varied by increasing or decreasing the length of the trigger wire. Scaling lasers project two red dots separated by a fixed distance (26 cm) regardless of the field of view. As the camera apparatus was lowered to the seafloor, the weight attached to the bounce trigger contacted the seafloor, triggering the PV system prior to the camera frame hitting the bottom (Figure 2). Details of the camera settings for each digital image are available in the associated parameters file embedded in each electronic image file; for this survey, the ISO-equivalent was set initially at 800 and a 4-m trigger wire was used. On April 14, 2011, the trigger wire was shortened to 2 m to allow greater discrimination of surface feature details, and the ISO-equivalent was changed to 400. The additional camera settings used were as follows: shutter speed was 1/30, f8, white balance set to flash, color mode to Adobe RGB, sharpening to none, noise reduction off, and storage in compressed raw NEF files (approximately 10.5 MB each). Electronic files were converted to high-resolution JPEG (8-bit) format files (2850 x 4300 pixels) using Nikon Capture NX2 software.

Prior to field operations, the internal clock in the digital PV camera was synchronized with the GPS navigation system and the SPI camera. Each PV image acquired was assigned a time stamp in the digital file and redundant notations in the field and navigation logs. Throughout the survey, the field team downloaded PV images along with SPI images after collection and evaluated them for successful image acquisition and image clarity.

1.3.4 Image Storage and Transfer of Custody

Following completion of the field operations, the raw NEF image files were converted to high-resolution JPEG format files using the minimal amount of image file compression by selecting the "Excellent Quality 100%" option in the image format subroutine contained in the Nikon Capture NX2 software.[1] Once converted to JPEG format, the intensity histogram (RGB channel) for each image was adjusted in Adobe Photoshop to maximize contrast without distortion. The JPEG images were imported to Sigmascan Pro (Aspire Software International) for image calibration and analysis. Calibration information for the profile images is determined by measuring 1-cm gradations from the Kodak Color Separation Guide, which was photographed through the SPI camera prism at the start of the Cruise. This calibration information was applied to all SPI images analyzed. Measurements in the PV images were calibrated from the two scaling

[1] Any conversion of a digital image to JPEG format reduces the file size of the image for storage and transmission; JPEG conversion is a discrete algorithm, and for a given quality setting, different input images may give widely differing file sizes. An image with a great deal of texture and fine detail will produce a large JPEG file, while one consisting only of blue water using the exact same conversion algorithm will be very small.

laser dots that appear in each PV image. Linear and area measurements were recorded as number of pixels and converted to scientific units using the calibration information. All raw and converted images were saved as part of the study dataset and were archived digitally. Duplicate sets of all raw and converted images were saved to external hard drives provided to the NOAA Trustee and BP/Cardno ENTRIX representatives.

1.4 SPI Analytical Methodology

Scientists at Germano & Associates, Inc. measured and recorded image parameters on a Microsoft Excel spreadsheet. Dr. Germano subsequently checked all these data as an independent quality assurance/quality control review of the measurements before final interpretation was performed.

1.4.1 Sediment Grain Size

The study team visually estimated sediment grain-size major mode and range from the color images by overlaying a grain-size comparator at the same scale. This comparator was prepared by photographing a series of Udden-Wentworth size classes (equal to or less than coarse silt up to granule and larger sizes) with the SPI camera. Seven grain-size classes were on this comparator: >4 ϕ (silt-clay), 4–3 ϕ (very fine sand), 3-2 ϕ (fine sand), 2-1 ϕ (medium sand), 1-0 ϕ (coarse sand), 0 -(-1) ϕ (very coarse sand), < -1 ϕ (granule and larger). The lower limit of optical resolution of the photographic system was about 62 microns, allowing recognition of grain sizes equal to or greater than coarse silt ($\geq$ 4 ϕ). The accuracy of this method has been documented by comparing SPI estimates with grain-size statistics determined from laboratory sieve analyses (Germano et al. 2011).

The SPI images were compared with Udden-Wentworth sediment standards photographed through the SPI optical system to map near-surface stratigraphy such as sand-over-mud and mud-over-clay. When mapped on a local scale, this stratigraphy can provide information on relative transport magnitude and frequency.

1.4.2 Small-Scale Surface Boundary Roughness

Surface boundary roughness (sediment surface relief) was determined by measuring the vertical distance between the highest and lowest points of the sediment-water interface. The surface boundary roughness measured over the width of SPI images typically ranges from 0.02 to 3.8 cm, and may be related to either physical structures (e.g., ripples, rip-up structures, mud clasts) or biogenic features (e.g., burrow openings, fecal mounds, foraging depressions). Biogenic roughness typically changes seasonally and is related to the interaction of bottom turbulence and bioturbational activities.

In sandy sediments, boundary roughness may be a measure of sand wave height. On silt-clay bottoms, boundary roughness values often reflect biogenic features such as fecal mounds or surface burrows. The size and scale of boundary roughness values can have dramatic effects on both sediment erodibility and localized oxygen penetration into the bottom (Huettel et al. 1996).

1.4.3 Prism Penetration Depth

The SPI prism penetration depth was measured from the bottom of the image to the sediment-water interface. The area of the entire sediment cross section of the image was digitized, and this number was divided by the calibrated linear width of the image to determine the average penetration depth. Linear maximum and minimum depths of penetration were also measured. All three measurements (maximum, minimum, and average penetration depths) were recorded in the data file.

Prism penetration is a noteworthy parameter. Because the number of weights used in the camera was held constant throughout this cruise following an initial adjustment after the first station was sampled, the camera functioned as a static-load penetrometer. Comparative penetration values from sites of similar grain size give an indication of the relative water content of the sediment. Highly bioturbated sediments and rapidly accumulating sediments tend to have the highest water contents and greatest prism penetration depths (Rhoads and Boyer 1982; Germano et al. 2011).

The depth of penetration also indicates the bearing capacity and shear strength of the sediments. Over-consolidated or relic sediments and shell-bearing sands resist prism penetration. Deeper prism penetration is typical in highly bioturbated, sulfitic, or methanogenic muds, which are the least consolidated. Seasonal changes in prism penetration have been observed in other studies and are related to bioturbation controls on sediment properties (Rhoads and Boyer 1982). Water temperatures, which affect bioturbation rates, appear to be important in controlling both biogenic surface relief and prism penetration depth (Rhoads and Germano 1983).

1.4.4 Thickness of Depositional Layers

SPI can also be used to detect the thickness of depositional layers. SPI is effective in measuring layers ranging in thickness from 1 mm to 20 cm (the height of the SPI optical window). During image analysis, the thickness of the newly deposited sedimentary layers can be determined by measuring the distance between the pre- and post-deposit sediment-water interface. Recently deposited material is usually evident because of its unique optical reflectance and/or color relative to the underlying material representing the pre-deposit surface. Also, in most cases, the point of contact between the two layers is clearly visible as a textural change in sediment composition, facilitating measurement of the thickness of the newly deposited layer.

1.4.5 Mud Clasts

When fine-grained, cohesive sediments are disturbed, either by physical bottom scour or faunal activity (e.g., decapod foraging) intact clumps of sediment are often scattered across the seafloor. These mud clasts can be seen at the sediment-water interface in SPI images. The abundance, distribution, oxidation state, and angularity of mud clasts can be used to make inferences about the recent pattern of seafloor disturbance in an area (Rhoads and Germano 1982). During analysis of the SPI images, study teams counted the number of clasts and assessed their oxidation state.

Depending on their place of origin and the depth of disturbance of the sediment column, mud clasts can be reduced or oxidized. In SPI images, the oxidation state is apparent from the reflectance; see Section 1.4.6. Also, once at the sediment-water interface, these mud clasts are subject to bottom-water oxygen concentrations and currents. Laboratory observations of reduced

sediments placed within an aerobic environment indicate that oxidation of reduced surface layers by diffusion alone is quite rapid, occurring within 6 to 12 hours (Germano 1983). Therefore, the presence of reduced mud clasts in an aerobic setting suggests a recent origin. The size and shape of mud clasts are also revealing; some clasts seen in SPI images are artifacts caused by the camera deployment (mud clots falling off the back of the prism or the wiper blade). Naturally occurring mud clasts may be moved and broken by bottom currents and animals (macro- or meiofauna; Germano 1983). Over time, these naturally-occurring, large angular clasts become small and rounded.

1.4.6 Apparent Redox Potential Discontinuity Depth

Aerobic near-surface marine sediments typically have higher reflectance relative to underlying hypoxic or anoxic sediments. Surface sands washed free of mud also have higher optical reflectance than underlying muddy sands. These differences in optical reflectance are readily apparent in SPI images; oxidized surface sediment contains particles coated with ferric hydroxide (an olive or tan color), while reduced muddy sediments below this oxygenated layer are darker, generally gray to black (Fenchel 1969; Lyle 1983). In deep-sea sediments, the oxidized surface layer is often a light pink due to the presence of manganese carbonate (Lynn and Bonatti 1965; Aller 1990; Van Cappellen and Wang 1996; Hulth et al. 1999; DeSchamphbelaire et al. 2007). The boundary between the lighter colored surface sediment and underlying gray to black sediment is called the apparent redox potential discontinuity (aRPD).

The depth of the aRPD in the sediment column is an important record of dissolved oxygen conditions within sediment porewaters. In the absence of bioturbating organisms, this high reflectance layer (in muds) will typically reach a thickness of 2 mm below the sediment-water interface (Rhoads 1974). This depth is related to the supply rate of molecular oxygen by diffusion into the bottom and the consumption of that oxygen by the sediment and associated microflora. In areas that have very high sediment oxygen demand (SOD), the sediment may lack a high reflectance layer even when the overlying water column is aerobic.

In the presence of bioturbating macrofauna, the thickness of the high reflectance layer may be several centimeters. The relationship between the thickness of this high reflectance layer and the presence or absence of free molecular oxygen in the associated porewaters must be considered with caution. The actual RPD is the boundary or horizon that separates the positive Eh[2] region of the sediment column from the underlying negative Eh region. The exact location of this Eh = 0 boundary can be determined accurately only with microelectrodes. No *in situ* Eh measurements were collected; therefore, the imaged optical reflectance boundary was described in this study as the aRPD, and was mapped as a mean value. In general, the depth of the actual Eh = 0 horizon will be either equal to or slightly shallower than the depth of the optical reflectance boundary (Rosenberg et al. 2001), because bioturbating organisms can mix ferric hydroxide-coated particles downward into the bottom below the Eh = 0 horizon. As a result, the mean aRPD depth can be used as an estimate of the depth of porewater exchange, usually due to bioturbation. Biogenic particle mixing depths can be estimated by measuring the maximum and minimum

[2] Redox potential is generally reported as Eh, which is the potential generated between a platinum electrode and a standard hydrogen electrode when placed into the medium being tested, where hydrogen is considered the reference electrode.

depths of imaged feeding voids in the sediment column. This parameter represents the particle mixing depths of head-down feeders, mainly polychaetes.

The rate of depression of the aRPD within the sediment is relatively slow in organic-rich muds, on the order of 200 to 300 μm per day; therefore, this parameter remains relatively constant over time (Germano and Rhoads 1984). The rebound in the aRPD is also slow (Germano 1983). Measurable changes in the aRPD depth using the SPI optical technique can be detected over periods of 1 or 2 months. This parameter is used effectively to document changes (or gradients) that develop over a seasonal or yearly cycle related to water temperature effects on bioturbation rates, seasonal hypoxia, SOD, and infaunal recruitment. Time-series aRPD measurements following a disturbance can be a critical diagnostic element in monitoring the degree of recolonization in an area by the ambient benthos (Rhoads and Germano 1986).

Another important characteristic of the aRPD is the contrast in reflectance at this boundary. This contrast is related to the interactions among the degree of organic loading, the bioturbation activity in the sediment, and the concentrations of bottom-water dissolved oxygen in an area. High inputs of labile organic material increase SOD and, subsequently, sulfate reduction rates and the associated abundance of sulfide end products, resulting in more highly reduced, lower-reflectance sediments at depth and higher aRPD contrasts. In a region of generally low aRPD contrasts, images with high aRPD contrasts indicate localized sites of relatively large inputs of organic-rich material such as phytoplankton, other naturally occurring organic detritus, dredged material, or sewage sludge.

Because the determination of the aRPD requires discrimination of optical contrast between oxidized and reduced particles, it is difficult, if not impossible, to determine the depth of the aRPD in well-sorted sands of any size that have little to no silt or organic matter in them (Painter et al. 2007). When SPI technology is used on sand bottoms, little information other than grain size, prism penetration depth, and boundary roughness values can be measured. While oxygen has no doubt penetrated beneath the sediment-water interface due to physical forcing factors acting on surface roughness elements (Ziebis et al. 1996; Huettel et al. 1998), estimates of the mean aRPD depths in well-sorted sands with no silt fraction are indeterminate with conventional white light photography.

1.4.7 Methane, Organic Enrichment, and Presence of Thiophilic Bacterial Colonies

The relative amount of organic enrichment is indicated by sediment color; darker coloration indicates that sediment is more reduced and has greater organic loading (Fenchel 1969; Rhoads 1974; Lyle 1983; Bull and Williamson 2001). If organic loading is extremely high, porewater sulfate is depleted and methanogenesis occurs, as evidenced by the appearance of methane bubbles in the sediment column (Aller 1977; Berner 1980; Van Cappellen and Wang 1996). The number and total area covered by all methane pockets can be measured to quantify methanogenesis (Rhoads and Germano 1982, 1986). These gas-filled voids are readily discernable in SPI images because of their irregular, generally circular aspect and glassy texture (due to the reflection of the strobe off the gas bubble).

Organic loading with high rates of anaerobic methane oxidation coupled to sulfate reduction often generates high microbial biomass (Levin 2005) and can indicate boundary layer hypoxic conditions (Rosenberg and Diaz 1993; Diaz and Rosenberg 1995). While ubiquitous in most

marine sediments, the distribution of high densities of thiophilic bacteria such as *Beggiatoa* spp. is restricted to the transition zone between oxic and anoxic environments where oxygen and hydrogen sulfide are continuously supplied by diffusion along opposite gradients (Jørgensen and Revsbeck 1983). Where they are abundant, these bacteria can have a significant role in the carbon and sulfur cycles(Jørgensen 1977), and very often the microbial mats around seeps are comprised of a mixture of different microbial taxa, with biomass dominated by the large, filamentous, sulfide-oxidizing genera such as *Beggiatoa*, *Thioploca*, *Arcobacter*, and *Thiothrix* (Levin 2005).

1.4.8 Infaunal Successional Stage

Marine ecology research has documented variation of infaunal patterns in relation to environmental gradients. Changes in the composition of benthic infaunal assemblages can reflect the extent of organic enrichment (pollution) or physical stress encountered by the resident macrofauna, such that a predictable and sequential appearance of particular faunal traits or functional types, rather than a number of named species, occurs following an environmental disturbance (Pearson & Rosenberg 1978; Rhoads et al 1978). This theory of succession of functional types is presented in Pearson and Rosenberg (1978) and further developed in Rhoads and Germano (1982) and Rhoads and Boyer (1982). Successional stages can be mapped in fine-grained coastal and shelf ecosystems with SPI technology (Rhoads and Germano 1982, 1986). Distinct faunal groupings and their associated affect on the sedimentary environment are recognized in SPI images by the presence of the numeric and biomass dominant key species; these can range from dense assemblages of near-surface polychaetes to highly diverse, mixed surface and sub-surface assemblages. Infaunal successional stages in SPI images can also be assessed from the presence and composition of biogenic structures, including mounding at the sediment-water interface, subsurface feeding voids, burrows, tubes and chambers (Rhoads and Germano 1982, 1986; Nilsson and Rosenberg 1997; Solan and Kennedy 2002; Germano et al. 2011).

Successional changes in infaunal communities on fine-grained coastal and shelf sediments after a disturbance (primary succession) has been divided subjectively into four stages (Rhoads and Germano 1982, 1986; Nilsson and Rosenberg 1997; Germano et al. 2011):

- Stage 0: The sediment column is largely devoid of macrofauna immediately following a physical disturbance or in close proximity to an organic enrichment source.
- Stage 1: An initial community of tiny, densely populated polychaete assemblages is present.
- Stage 2: The transition to head-down deposit feeders begins.
- Stage 3: The mature, equilibrium community of deep-dwelling, head-down deposit feeders is present (Figure 3).

In shallower coastal or shelf sediments, after an area of bottom is disturbed by natural or anthropogenic events, benthic community response to the disturbance may vary, depending on the severity of the impact. The existing diverse population may be retrograded to a more depauperate assemblage, or the existing fauna may be totally wiped out if the disturbance (natural or anthropogenic) is severe enough (Santos and Simon 1980a, b). If the resident population is completely removed or killed, the first recolonizing invertebrate assemblage

(Stage 1) appears within days after the disturbance. Stage 1 consists of assemblages of tiny tube-dwelling marine polychaetes that reach population densities of 10^4 to 10^6 individuals per m^2. These animals feed at or near the sediment-water interface and physically stabilize or bind the sediment surface by producing a mucous glue that they use to build their tubes (Rhoads and Germano 1982, 1986). Sometimes deposited dredged material layers contain Stage 1 tubes still attached to mud clasts from their location of origin; these transported individuals are considered as part of the *in situ* fauna in our assignment of successional stages (Germano and Rhoads 1984).

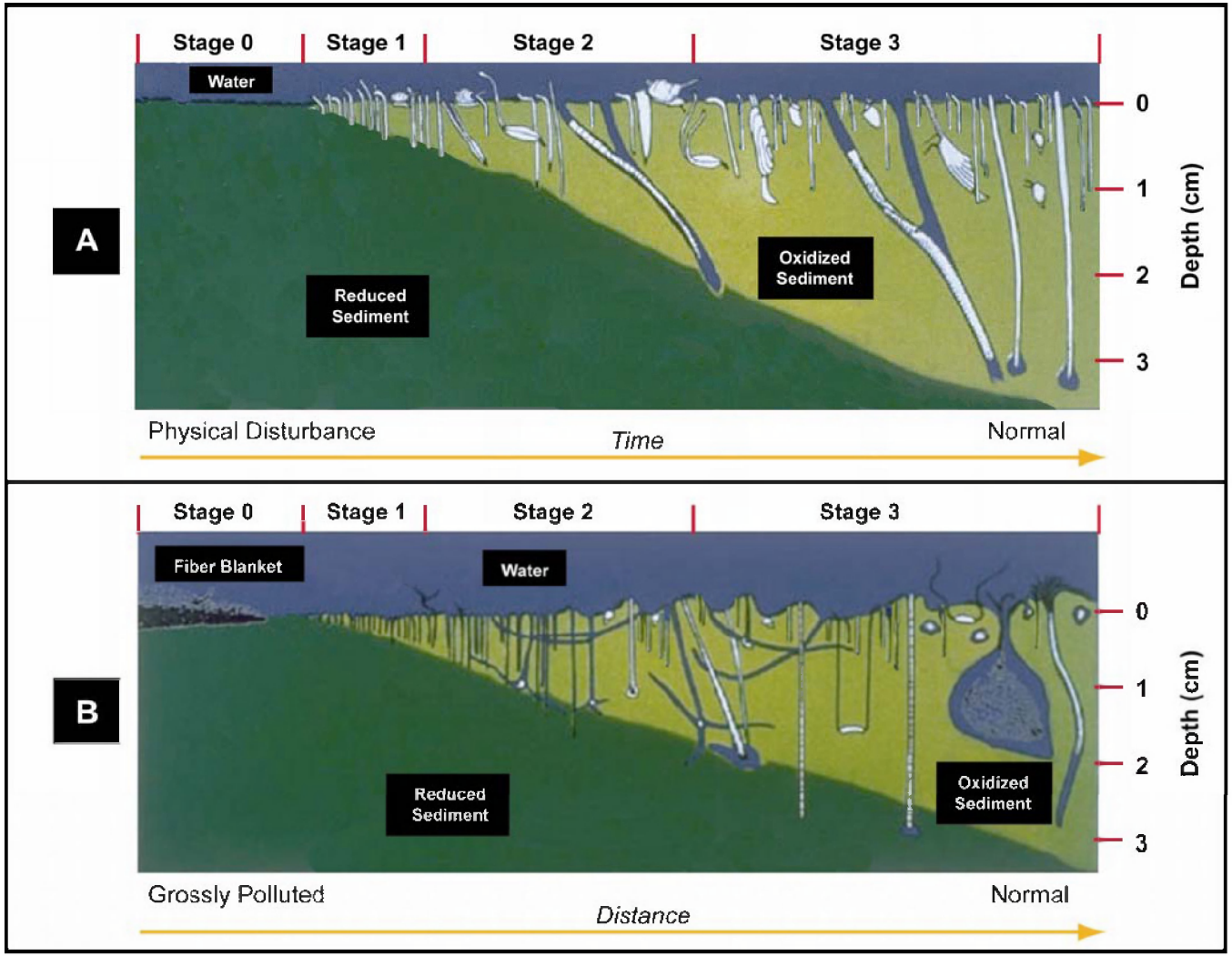

Figure 3 **Stages of Infaunal Succession as a Response of Soft-Bottom Benthic Communities to Physical Disturbance (top panel) or Organic Enrichment (bottom panel)**

Source: Rhoads and Germano 1982

If no repeated natural or anthropogenic disturbances to the newly colonized area occur, then these initial tube-dwelling suspension or surface-deposit feeding taxa are followed by burrowing, head-down deposit-feeders that rework the sediment deeper and deeper over time and mix oxygen from the overlying water into the sediment. The animals in these later-appearing communities (Stage 2 or 3) are larger, have lower overall population densities (10 to 100 individuals per m^2), and can rework the sediments to depths of 3 to 20 cm or more. These animals loosen the sedimentary fabric, increase the water content in the sediment, thereby lowering the sediment shear strength, and actively recycle nutrients because of the high exchange rate with the overlying waters resulting from their burrowing and feeding activities (Rhoads and Boyer 1982).

In dynamic estuarine and coastal environments, it is simplistic to assume that benthic communities always progress completely and sequentially through all four stages in accordance with the idealized conceptual model depicted in Figure 3, although succession may vary spatially and over time (Zajac 2001). Various combinations of these basic successional stages are possible. For example, secondary succession (Horn 1974) may occur in response to additional labile carbon input to surface sediments, with surface-dwelling Stage 1 or 2 organisms co-existing at the same time and place with Stage 3, resulting in the assignment of a "Stage 1 on 3" or "Stage 2 on 3" designation (Rhoads and Germano 1986).

The same trophic groups seen in shallow water SPI images (tubicolous fauna concentrated at the sediment-water interface, subsurface burrows or feeding voids with evidence of active mining, or biogenic-graded bedding indicating the presence of subsurface deposit-feeders) are readily apparent in SPI images from slope and deep-sea sediments (Diaz et al. 1994; Diaz 2004).

Theories of deep-sea benthic community structure have changed dramatically in the last 50 years and are still evolving; while the Challenger expedition (1872-1876) altered Edward Forbes' misconception in the mid-19th century of an "azoic zone' existing beyond 600 meters (Mills 1983), the start of the modern debate surrounding deep- sea benthic community structure started with. Sanders' (1968) stability-time hypothesis to explain the high species diversity found in deep-sea samples. Alternative theories of predation by large epibenthic megafauna promoting diversity put forth by Dayton and Hessler (1972) were countered by Grassle and Sanders' (1973) contention that population density and reproductive capacity of deep- sea benthos were too low to withstand the pervasive predation pressure envisioned by Dayton and Hessler. However, the key contribution of the 1973 Grassle and Sanders paper (Rex and Etter 2010) was their use of Richerson et al.'s (1970) non-equilibrium model as a point of departure to suggest that deep-sea benthic diversity is maintained as a spatial mosaic of patches; this theory was supported by further studies by Grassle and Morse-Porteus (1987), Grassle and Grassle (1994), and Grassle and Maciolek (1992). The spatial mosaic theory proposes that small-scale disturbances cause high local diversity by creating successional sequences that are temporally out of phase, similar to the successional model used in shallow water based on R.G. Johnson's (1972) observation of benthic communities as, "a collection of the relics of former disasters" that was the basis for Rhoads and Germano's (1982) paradigm for SPI image interpretation and later confirmed by Zajac (2001).

The notion that deep-sea benthic communities reflect a temporal mosaic of responses to various disturbances (physical, biological, or nutrient enrichment) has gained credence over the past 20

years. Studies of benthic response to collections of phytodetritus in depressions (Billett et al. 1983; Snelgrove et al. 1992, 1994), plant debris settling on the bottom (Suchanek et al. 1985), foraging activities of megafauna (Dayton and Hessler 1972), biogenic microhabitats (Levin et al. 1986) and sinking animal carcasses (Stockton and DeLaca 1982) have supported this theory. Three types of experimental systems have been used to study colonization and succession in deep-sea softbottom benthic communities (Smith and Hessler 1987):

- Sediment trays with azoic sediments, both with "normal" mud and muds that have been organically enriched with additional carbon sources (Grassle 1977; Desbruyères et al. 1980; Levin and Smith 1984; Grassle and Morse-Porteous 1987)
- Implanted food falls or bait cameras (Hessler et al. 1972; Priede and Bagley 2000; Smith 1985, 1986; Smith and Baco 2003; Turner 1977; Witte 1999)
- Manipulated biogenic mounds (Smith and Hessler 1987; Kukert and Smith 1992; Snelgrove and Smith 2002)

In addition, numerous studies have characterized changes in macrofaunal assemblages in response to organic enrichment from natural seeps (Levin 2005). Comparisons between seep and nonseep sediments can show that macrofaunal densities are either impoverished (Dando et al. 1991), enhanced (Davis and Spies 1980; Sahling et al. 2002), or identical (Levin et al. 2003) when compared to those in nonseep sediments. However, it appears that macrofauna are more likely to exhibit higher densities relative to background populations in response to natural seeps when they occur at water depths greater than 3,000 m (Levin 2005).

The general insights gained thus far from deep-sea experimental recolonization studies are as follows (Smith and Hessler 1987):

1. Organic enrichment often causes rapid (weeks to months) population increases in opportunistic species (e.g., capitellid polychaetes, leptostracans, and cumaceans) that show taxonomic affinities to shallow-water opportunists. Responses to organic enrichment can occur rapidly (weeks to months). Organic enrichment is more frequently a significant parameter for polychaete diversity than for total macrobenthic diversity (Levin and Gage 1998).

2. The species structure of succession is variable within and across habitats (which may be partly due to sampling limitations both in space and time given the expense of carrying out deep-sea recolonization experiments).

3. Opportunistic species are more likely to coexist with equilibrium-type (background) species even during the earliest stages of succession (the "Stage 1 on 3" designation of secondary succession in SPI analysis). Smith and Hessler (1987) postulated that the reason this is seen in deep-sea systems is because the disturbance intensities are relatively low and chemical gradients weak, so that most disturbances that occur and have been studied to date fall within the tolerance range of both opportunistic and equilibrium species.

4. While certain experiments have demonstrated a rapid recolonization response to disturbance, the majority of studies to date suggest that complete recovery from intense disturbances may take months to years.

Models of softbottom benthic succession have been developed in relation to strong gradients in time (Rhoads et al 1978) or space (Pearson and Rosenberg 1978). What the various deep-sea studies have shown to date is that depending on the depth, geographic location (in terms of geochemical background), or type of disturbance, a broad range of effects is possible in terms of patch dynamics and benthic community response (Rex and Etter 2010). A uniform successional model for deep-sea softbottom benthic communities does not exist. However, the diagnostic structures of various trophic assemblages can be quantified from SPI and PV images, making it possible to assign relative successional stages following seafloor disturbances. These stages reflect, for example, generally accepted functional groups documented following benthic recolonization in response to artificial mound burial experiments (Kukert and Smith 1992; Table 1).

Table 1 Functional Groups Associated with Benthic Successional Stages

SPI Successional Stage Designation	Functional Group Equivalent
Stage 1 (opportunists)	Tube dweller (TDW), surface-deposit feeder (SDF)
Stage 2 (shallow dwelling infauna)	Nontube-dweller (NTDW), subsurface-deposit feeder (SSDF), SDF
Stage 3 (equilibrium community)	NTDW, SSDF, carnivore-scavenger-omnivore (OMNI)

Source: Kukert and Smith, 1992

The biological community information from the SPI images, therefore, can aid in documenting the benthic community recolonization rate and response to a large-scale deep-sea disturbance.

1.4.9 Bioturbation and Biological Mixing Depth

The burrowing and deposit-feeding infaunal taxa mix the particulate organic carbon (POC) settling out on the seafloor down into the sediments through their locomotion and feeding activities; this process, known as bioturbation, can be classified as either diffusive or nondiffusive (Aller 1982). Diffusive bioturbation is the gradual subduction of POC by the cumulative activity of the small burrowing taxa (meiofauna), while nondiffusive bioturbation is the direct transport of POC to a specific sediment horizon by larger macrofauna that feed at the surface and deposit fecal material deep in their burrows or transport surface POC downward by ventilating their burrows (Smith and Schafer 1984; Levin et al. 1997). The active mixed zone in deep-sea sediments is thought to be largely a function of POC flux (Smith 1992), and published studies to date show that 90 percent of the macrofauna in deep-sea sediments live in the top few (1-3) cm of sediment (Jumars and Eckman 1983; Vincx et al. 1994; Rex and Etter 2010).

During the past two decades, emphasis has been considerable on studying the effects of bioturbation on sediment geotechnical properties as well as sediment diagenesis (Ekman et al. 1981; Nowell et al. 1981; Rhoads and Boyer 1982; Grant et al. 1982; Boudreau 1986, 1994, 1998). However, an increasing focus of research is centering on the rates of contaminant flux in

sediments (Reible and Thibodeaux 1999; François et al. 2002; Gilbert et al. 2003), and the two parameters that affect the time rate of contaminant flux the greatest are erosion and bioturbation (Reible and Thibodeaux 1999). The depth to which sediments are bioturbated, or the biological mixing depth, can be an important parameter for studying either nutrient or contaminant flux in sediments. While the aRPD is one potential measure of biological mixing depth, it is quite common in SPI images to see evidence of biological activity (burrows, voids, or actual animals) well below the mean aRPD. Both the minimum and maximum linear distance from the sediment surface to both the shallowest and deepest feature of biological activity are measured along with a notation of the type of biogenic structure measured. From these, either the minimum, maximum, or average biological mixing depth can be mapped across a surveyed area of interest.

1.5 Plan View Image Analysis

The PV images provide a much larger field of view than the SPI images and provide valuable information about the landscape ecology and sediment topography in the area where the pinpoint "optical core" of the sediment profile was taken. Unusual surface sediment layers/textures or structures detected in any of the SPI images can be interpreted in light of the larger context of surface sediment features, i.e., is a surface layer or topographic feature a regularly occurring feature and typical of the bottom in this general vicinity or just an isolated anomaly?. The scale information provided by the underwater lasers allows accurate density counts (number per m^2) of attached epifaunal colonies, sediment burrow openings, or larger macrofauna or fish, which may be missed in the sediment profile cross section. Presence of *Beggiatoa* or other thiophilic bacterial colonies, e.g., *Thioplaca* or *Arcobacater*, along with information on sediment transport dynamics and bedform wavelength were also available from PV image analysis.

1.6 Using SPI/PV Data to Assess Benthic Habitat Conditions

While various measurements of water quality such as dissolved oxygen, contaminants, or nutrients are often used to assess regional ecological quality, interpretation is difficult because of the transient nature of water-column phenomena. Measurement of a particular value of any water-column variable represents an instantaneous snapshot that can change within minutes after the measurement is taken. The seafloor is a long-term time integrator of sediment and overlying water quality; values for any variable measured are the result of physical, chemical, and biological interactions on time scales much longer than those present in a rapidly moving fluid (Gray 1974; Rhoads 1974). The seafloor is thus an excellent indicator of environmental quality, both in terms of historical impacts and of future trends for any particular variable.

Physical measurements made from the optical cores obtained with the SPI system provide background information about gradients in physical disturbance (caused by dredging, dredged material disposal, oil platform cuttings and drilling muds discharge, trawling, or storm resuspension and transport) in the form of maps of sediment grain size, boundary roughness, sediment textural fabrics, and structures. The concentration of organic matter and SOD can be inferred from the optical reflectance of the sediment column and the aRPD depth. Organic matter is an important indicator of the relative value of the sediment as a carbon source for both bacteria and infaunal deposit feeders. SOD is an important measure of ecological quality; oxygen can be depleted quickly in sediment by the accumulation of organic matter and by bacterial respiration, both of which place an oxygen demand on the porewater and compete with animals for a potentially limited oxygen resource (Kennish 1986).

The aRPD depth is useful in assessing the quality of a habitat for epifauna and infauna from both physical and biological points of view. The aRPD depth in SPI images has been shown to be directly correlated to the quality of the benthic habitat in polyhaline and mesohaline estuarine zones (Rhoads and Germano 1986). Controlling for differences in sediment type and physical disturbance factors, aRPD depths < 1 cm can indicate chronic benthic environmental stress or recent disturbance.

The distribution of different trophic groups in the context of the mapped disturbance gradients is one of the most telling indicators of animal-sediment interactions on the seafloor (Rhoads and Germano 1986). High densities of subsurface deposit feeders (Stage 3 taxa, mapped from subsurface feeding voids as observed in SPI images) can be a good indication of high bioturbation rates (both particle advection and porewater irrigation), which will affect sediment properties, including porewater profiles of sulfate, nitrate, and RPD depth in the sedimentary matrix near their burrows or tubes (Aller and Stupakoff 1996; Rice and Rhoads 1989).

The presence of high densities of tubicolous opportunists (Stage 1 assemblages) can indicate a seafloor experiencing organic enrichment or a substantial physical disturbance. These opportunistic species have high rates of recruitment, rapid development rates, and live and feed near the sediment-water interface, typically in high densities. Stage 1 taxa often co-occur with Stage 3 taxa in marginally enriched areas. In this case, Stage 1 taxa feed on labile organic detritus settling onto the sediment surface, while the subsurface Stage 3 taxa tend to specialize on the more refractory buried organic reservoir of detritus.

Stage 1 and 3 assemblages have dramatically different effects on the geotechnical properties of the sediment (Rhoads and Boyer 1982). With their high population densities and their feeding efforts concentrated at or near the sediment-water interface, Stage 1 communities tend to bind fine-grained sediments, making them less susceptible to resuspension and transport. Just as a thick cover of grass will prevent hillside erosion, these dense assemblages of tiny polychaetes serve to stabilize the sediment surface. Conversely, Stage 3 taxa increase the water content of the sediment and lower its shear strength through their deep burrowing and pumping activities, rendering the bottom more susceptible to erosion and resuspension. In shallow areas of fine-grained sediments that are susceptible to storm-induced or wave orbital energy, it is quite possible for Stage 3 taxa to be carried along in the water column in suspension with fluid muds. When redeposition occurs, these Stage 3 taxa can become quickly reestablished in an otherwise physically disturbed surface sedimentary fabric. These larger, deposit-feeding organisms have also been shown to quickly reestablish themselves in response to burial by nontoxic allochthonous sediment deposition, such as dredged-material disposal (Fredette and French 2004; Bolam et al. 2006; Wilber et al. 2008) or by autochthonous biodepositional layers and mounds, even in the deep sea (Kukert and Smith 1992).

SPI is a powerful reconnaissance tool that can efficiently map gradients in sediment type, biological communities, or disturbances from physical forces or organic enrichment. The conclusions reached at the end of this report are about dynamic processes that have been deduced from imaged structures; as such, they should be considered hypotheses available for further testing/confirmation.

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Chapter 2

Preliminary Summary of Available Data

2.1 Image Overview

A complete set of all the optical SPI and PV data collected and measured is presented in Appendix A (SPI results) and Appendix B (PV results). Navigation/positional data for all stations sampled were submitted in an earlier cruise report (Cardno ENTRIX et al. 2011b). A complete set of all digital image files including the SPI Imaging Log (Appendix C) was provided to both the Trustees and BP/Cardno ENTRIX upon cruise completion; station pop-up maps (a series of interactive PDF maps with thumbnail images of each mapped station location) are included with this report under separate cover. The available data for various measured parameters are presented in the sections that follow.

2.1.1 SPI Image Quality Factors

The data for three of the SPI parameters (boundary roughness, aRPD area, and mean aRPD depth) are sometimes indicated in the data appendix or on the maps as being indeterminate (Ind) and occurred in 18 of the 675 images (2.7 percent). This indication is a result of the sediments being either (1) too compact for the SPI camera to penetrate adequately, preventing observation of surface or subsurface sediment features; (2) too soft to bear the weight of the camera, resulting in overpenetration to the point where the sediment/water interface was above the window (imaging area) on the camera prism (the sediment/water interface must be visible to measure most of the key SPI parameters like aRPD depth, penetration depth, and infaunal successional stage); or (3) the sediment profile was distorted or disturbed during sampling by premature tension on the winch wire before the strobe fired.

2.1.2 PV Image Quality Factors

The "Ind" designation for PV data is usually the result of high amounts of suspended sediment in the water column preventing measurement or resolution of distinct bottom features; this designation occurred in 80 of the 672 analyzed PV images (12 percent).

2.2 Imaged Sediment Data

2.2.1 Sediment Grain Size

Sediment grain size was uniform across all stations surveyed ($\geq 4\ \phi$; see Appendix A); silt-clay sediments were the dominant sediment grain size throughout the site (Figure 4), with the only variation being in the upper end of the grain-size total range (minor percentages of fine to very fine sand; see Appendix A).

2.2.2 Surface Boundary Roughness

The average station small-scale boundary roughness ranged from 0.4 to 4.4 cm in the near-field stations (the 218 stations sampled within 6 km of the wellhead center; see Figure 1a) and from 1.0 to 2.8 cm at the far-field stations (the 13 additional stations surveyed in the general region; Figure 1b); overall site average boundary roughness was 1.2 cm at the near-field stations and

1.9 cm at the far-field stations (Appendix A). The majority (> 90 percent) of the small-scale surface topography measured in the SPI images and seen in the PV images was biogenic in origin, due to burrow openings, feeding pits, fecal mounds, or mounds created by larger burrowing macrofauna (Figure 5).

No evidence was apparent of any surface roughness elements caused by sediment transport forcing functions; all stations surveyed were located in predominantly low-energy, depositional environments. The small percentage of physically created surface boundary roughness elements appear to be due to either deposits of clay clumps (from apparent redeposited Pleistocene muds from top hole drilling; see Section 2.2.4) or depressions in the seafloor caused by previous sampling activities, e.g., impressions in the mud from ROV tether cables or divots from coring samples (Figure 6).

2.2.3 Prism Penetration Depth

Given the uniform sediment grain-size major mode and the use of consistent camera settings for the stop collars and lead weights (except for the first station sampled; see Appendix A), the variation in prism penetration was a good indicator of relative sediment shear strength due to depositional layer geotechnical properties (close to the wellhead) and/or biological mixing depth. Average station prism penetration depths ranged from 11.8 to 21.5 cm at the near-field stations (Figure 7), with an overall near-field site average value of 16.3 cm; prism penetration depths at the far-field stations ranged from 14.1 to– 19.2 cm (Figure 8), with an overall far-field site average of 16.4 cm. Difference in penetration depths was not substantial between the near-field and far-field stations or among the various radial transects in the near-field stations surrounding the wellhead (Figure 9); all of the sediments were fairly uniform as far as sediment water-content and shear strength. The lowest average penetration value was observed at Station 270-5500 due to an abnormally low penetration value in one of the three SPI image replicates collected at this location (Figure 10).

2.2.4 Thickness of Depositional Layers

The April survey had four optically distinct depositional sequences in the SPI images (Figure 11) (Appendix A):

- Layer 1: The reddish-brown (from manganese carbonate oxidation; see Section 1.4.6) biologically reworked surface layer, visually distinct from the underlying, more consolidated, bluish-gray clay (Figure 12), ranging in thickness from 2 to 13 cm throughout the entire area surveyed.
- Layer 2: The dark gray to black organically enriched depositional layer of reduced sediment at the sediment-water interface, often covered with an oxidized crust of settled, macrofloccular detritus (Figure 13), ranging in thickness from 0 to approximately 3 cm.
- Layer 3: The surface layer of settled, macrofloccular detritus at the sediment-water interface, ranging in thickness from a few mm to a few cm (Figure 14).
- Layer 4: The whitish-gray allochthonous surface clay layer, which was hypothesized to have been deposited on the seafloor either from the original Macondo well drilling or the well containment efforts (Figure 15), ranging in thickness from 0 to in excess of 21 cm (greater than the penetration depth of the camera prism).

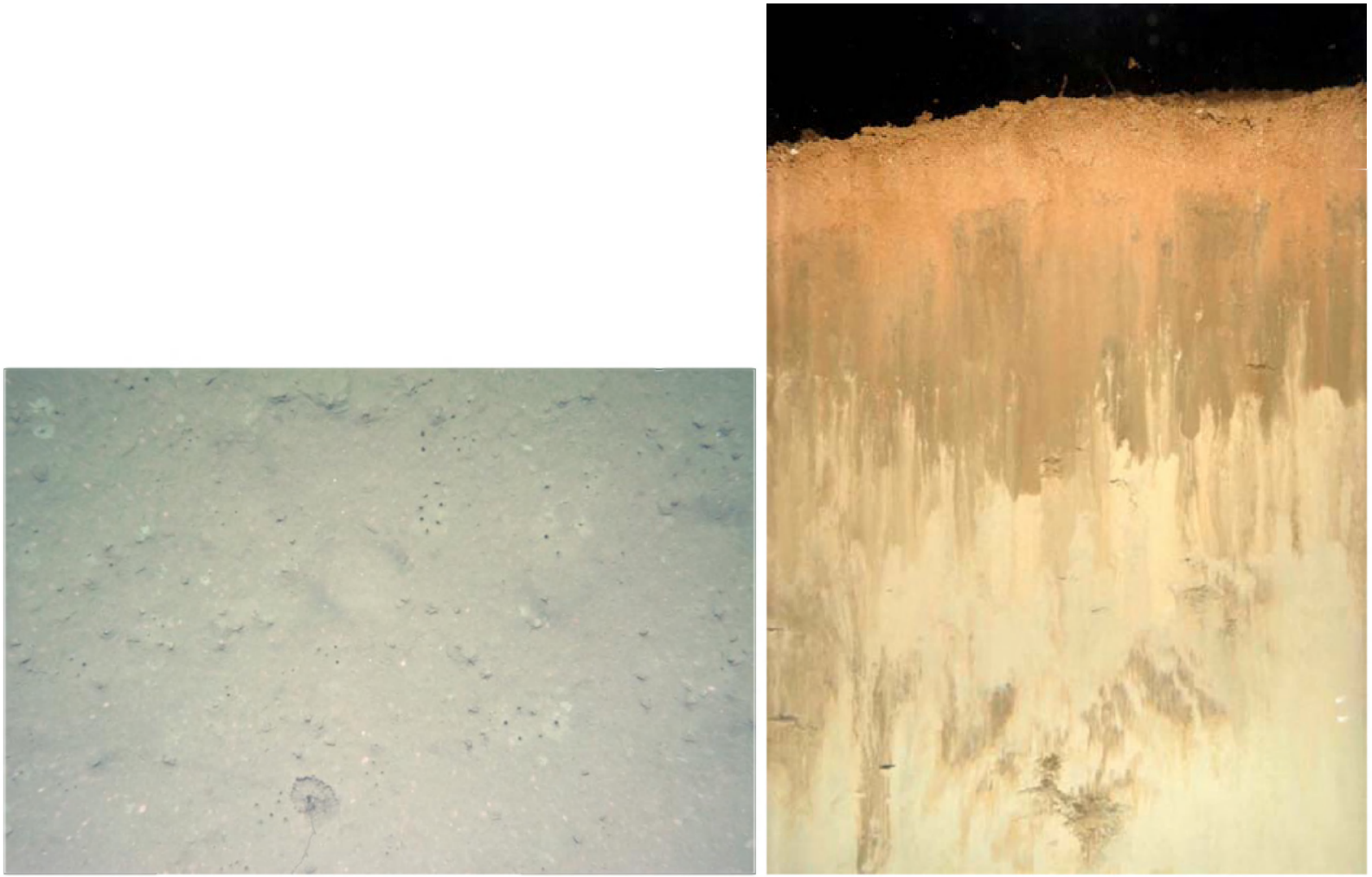

Figure 4 **Sediment Particle Sizes Observed at Station RK-MT3 In PV (Left) and SPI (Right) Images**

Notes: These sediment particle sizes are typical for the sediment grain-size range (silt-clay with minor fraction of very fine sand) encountered at all the stations surveyed during the April 2011 cruise. Note the multiple burrow openings and biogenic mounds in the PV image (Left). Scale: width of PV image = 3.2 m; width of profile image = 14.5 cm.

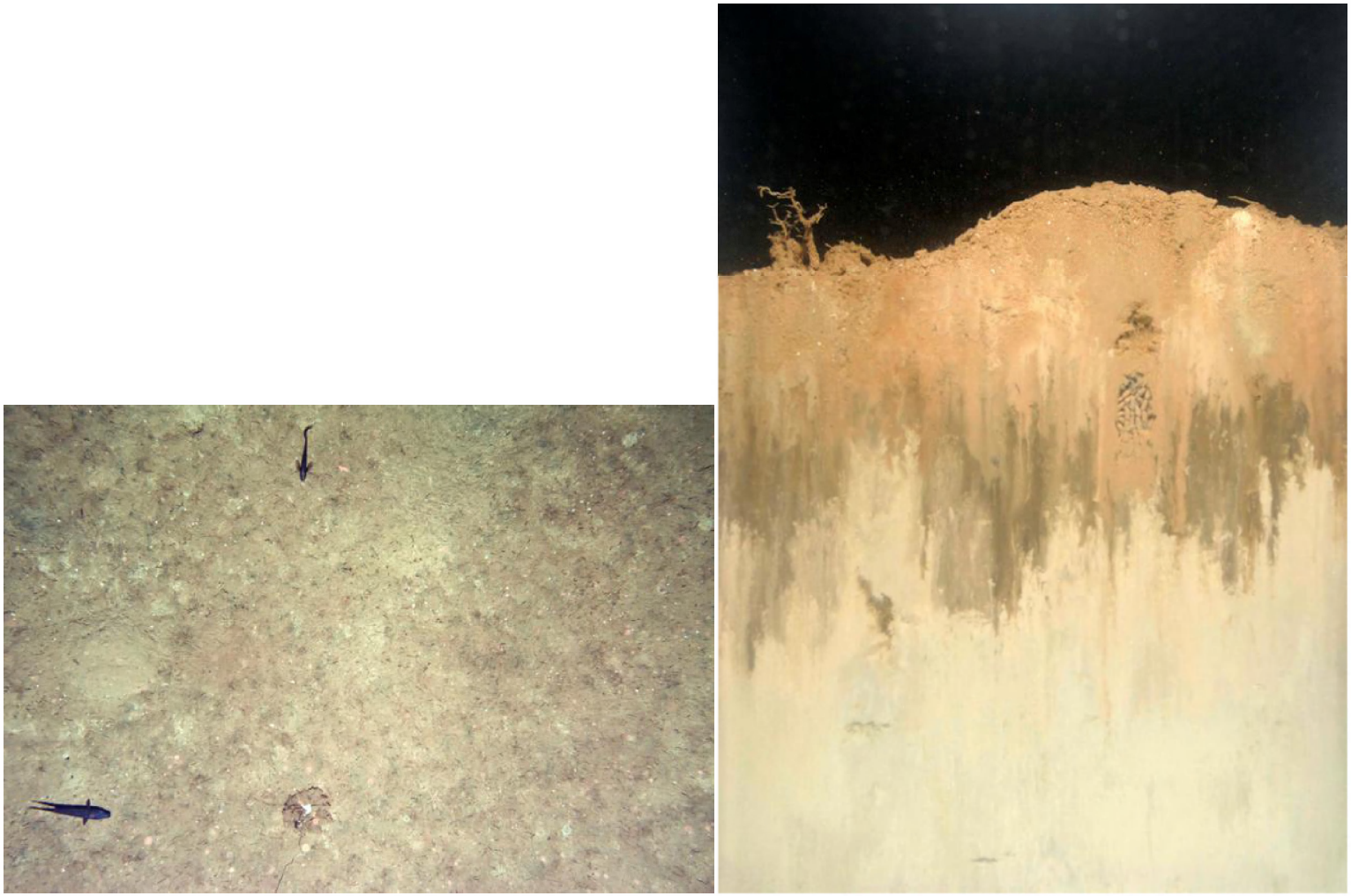

Figure 5 **Biogenic Mounds at Stations 135-4900 (PV Image, Left) and 090-4000 (SPI Image, Right)**

Notes: The PV image on the Left shows a large biogenic mound at Station 135-4900. The SPI image on the Right shows the cross-sectional detail from a smaller-scale biogenic mound at Station 090-4000. Scale: width of PV image = 3.1 m; width of profile image = 14.5 cm.

Figure 6 **PV Images of Small-Scale Surface Topography Created by Previous Sampling Activities at Stations 270-300 (Top) and 315-3400 (Bottom) show**

Note: The white patches seen in the top image are colonies of sulfur-oxidizing bacteria (most likely *Beggiatoa* sp.). Scale: width of top image =1.62 m; width of bottom image = 1.65 m.

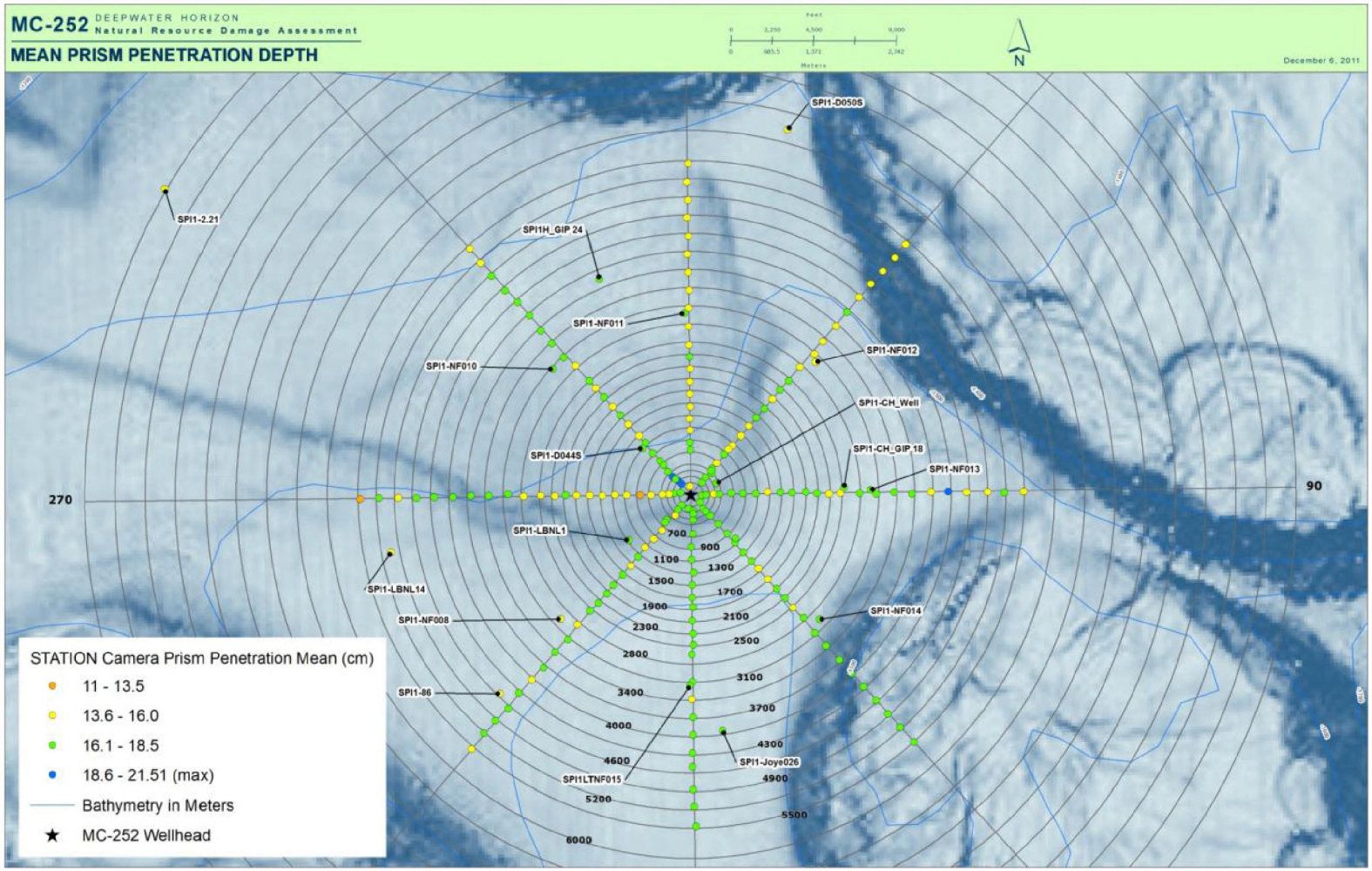

Figure 7 **Spatial Distribution of Average Station Camera Prism Penetration Depth (cm) at Near-Field Stations Sampled in April 2011**

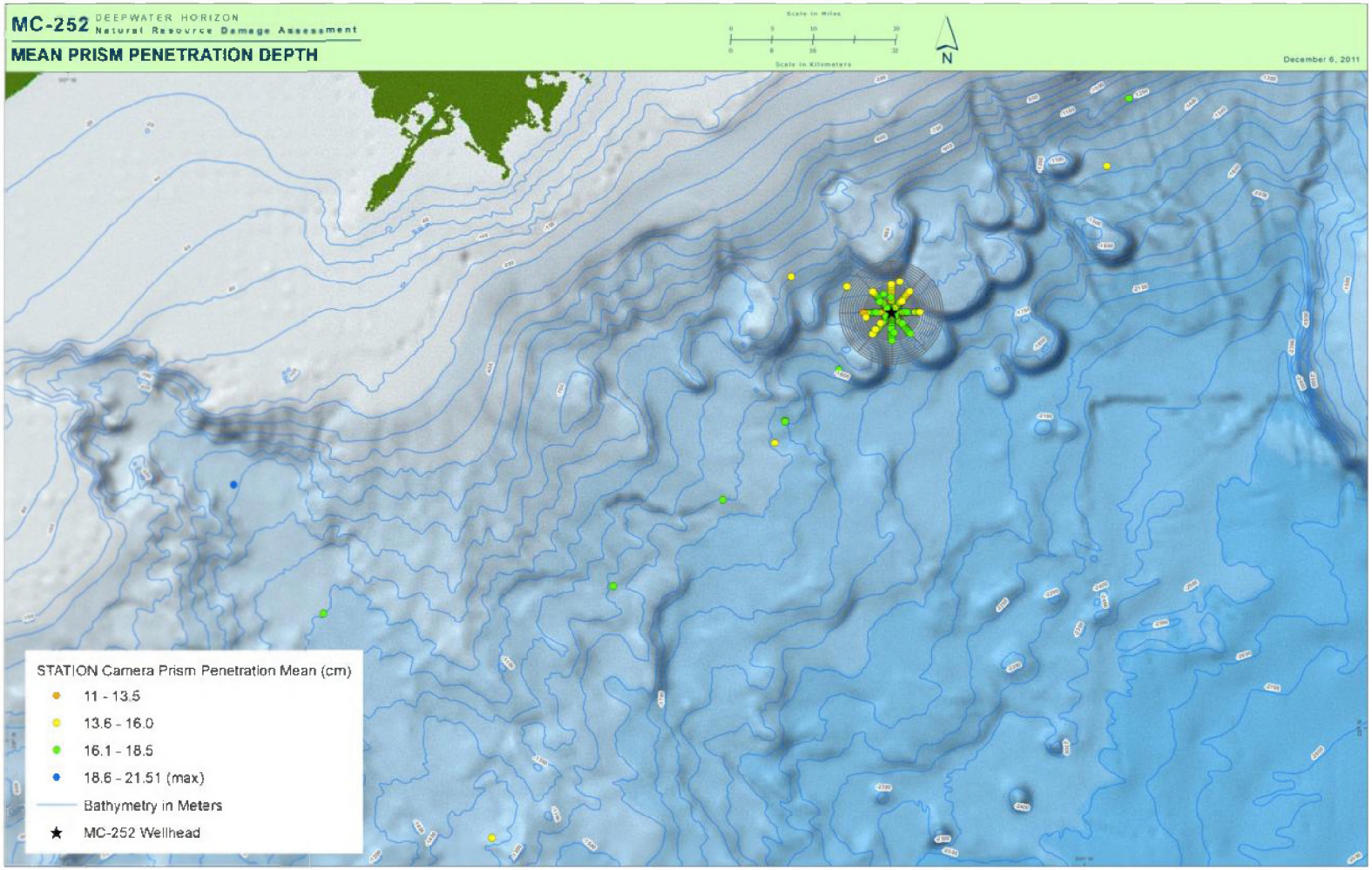

Figure 8 **Spatial Distribution of Average Camera Prism Penetration Depth (cm) at Far-Field Stations Sampled in April 2011**

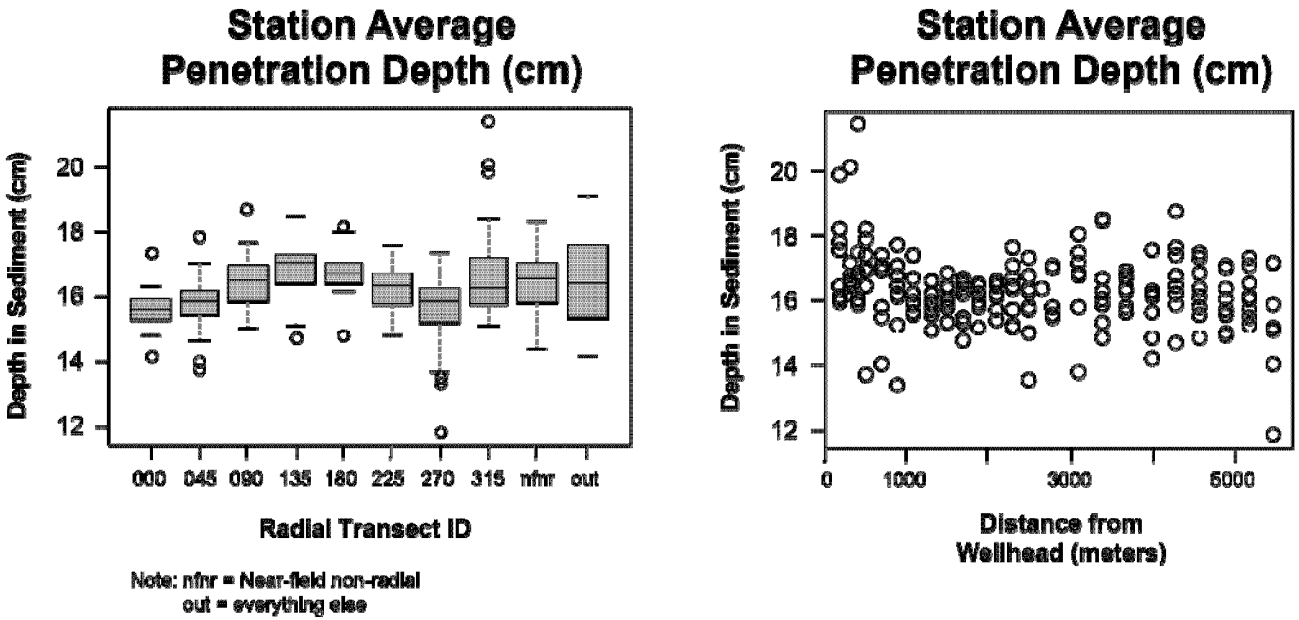

Figure 9 **Distribution of Average Camera Prism Penetration Values among Radial Transects and Non-Radial Stations Surveyed (Left[3]) and by Distance from the Wellhead (Right, Radial Stations Only)**

[3] In a box-and-whisker plot, the bottom and top of each box represent the 25th and 75th percentiles, respectively, and the shaded horizontal bar inside the box represents the median value. Whiskers extending above and below each box represent the lower and upper interquartile range; open circles represent data that are more than three standard deviations from the mean.

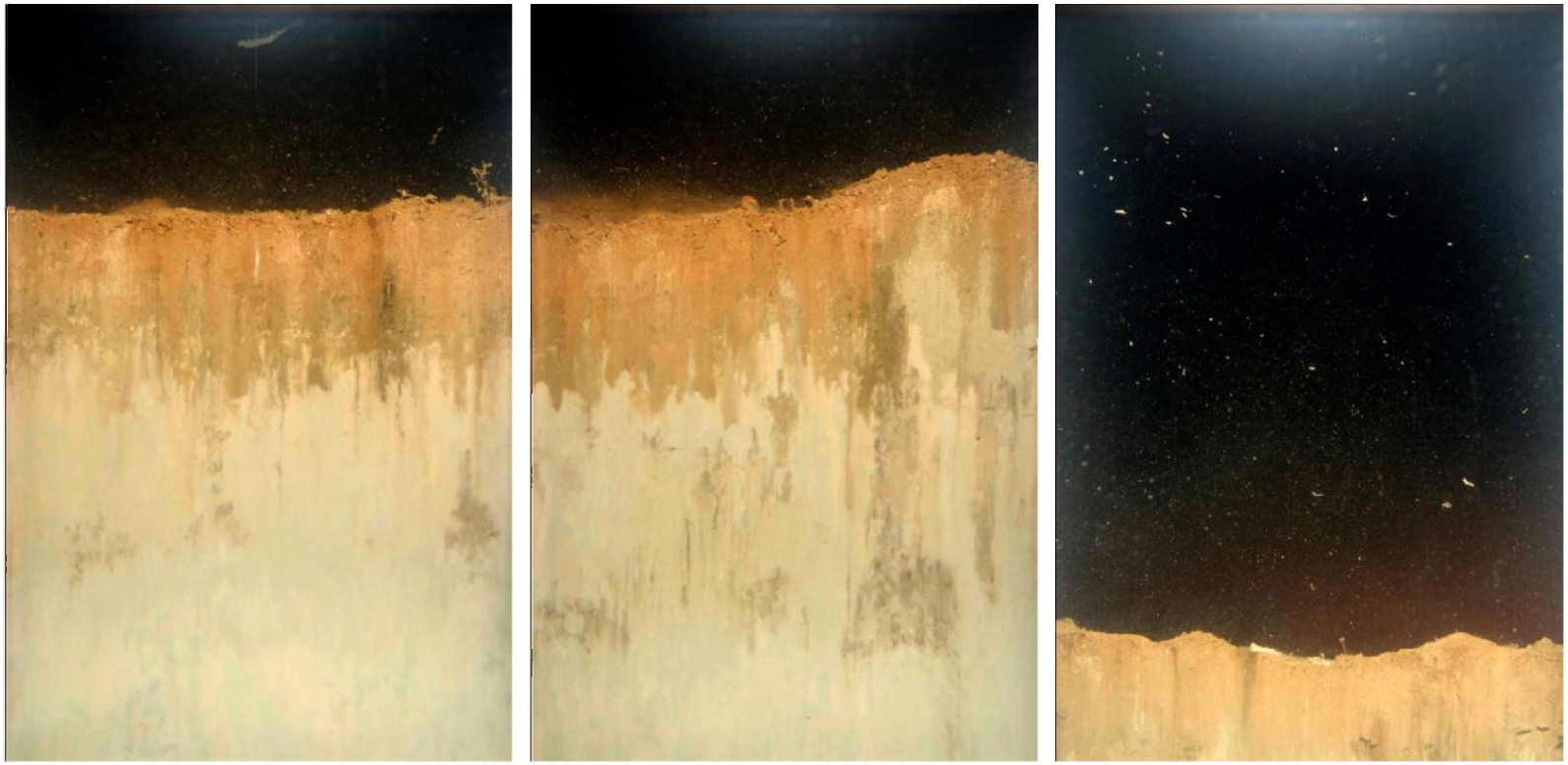

Figure 10 **Replicate SPI Images Collected at Station 270-5500**

Notes: Station 270-5500 had the lowest average replicate penetration value due to the abnormally shallow penetration depth (3.4 cm) in the final replicate (far right image); the penetration depths for first two replicates were typical for the site (15.9 and 16.2 cm). Scale: width of each SPI image = 14.5 cm.

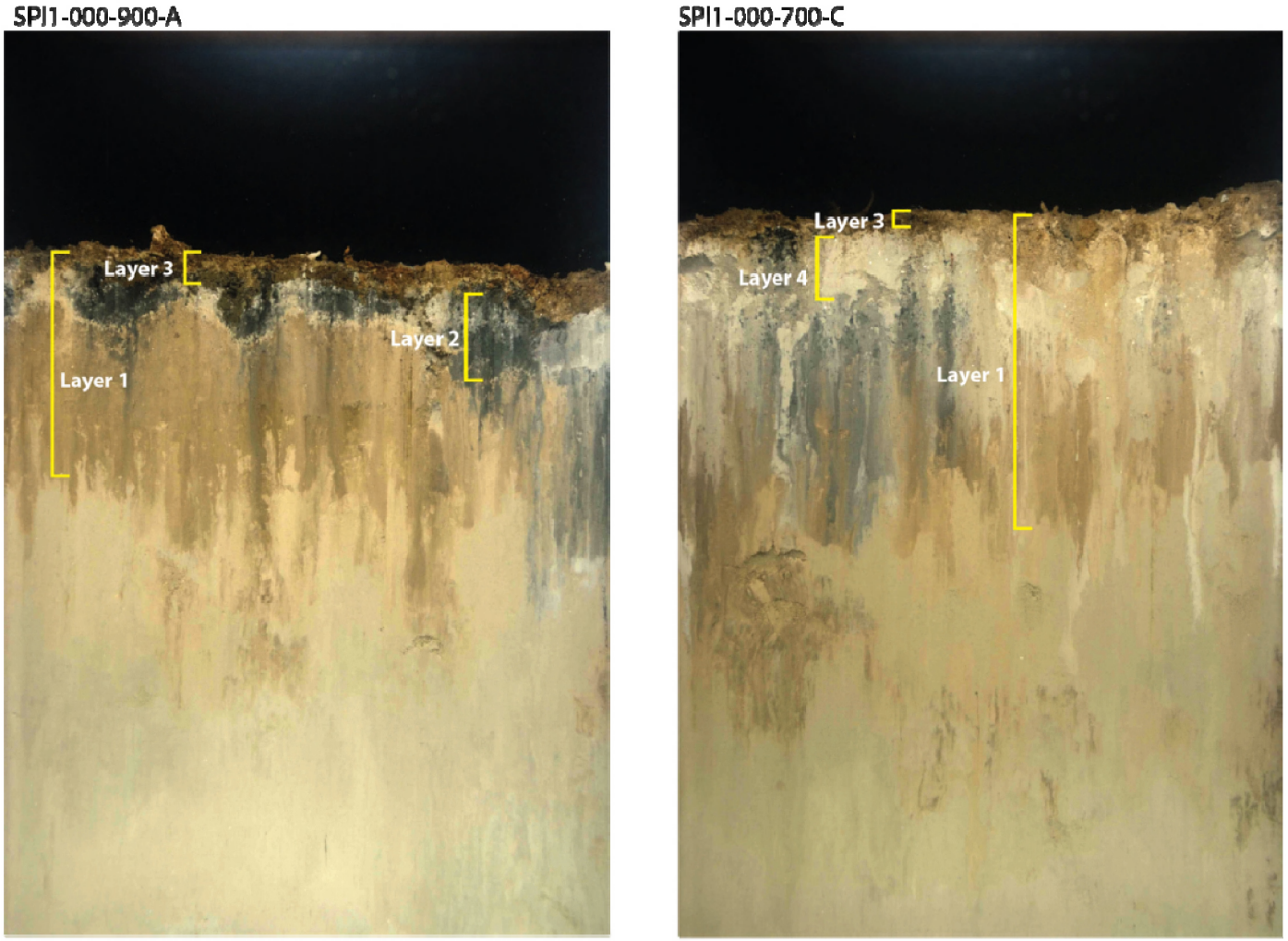

Figure 11 **Examples of the Four Different Depositional Layers Identified and Measured in SPI images from the April 2011 Survey**

Figure 12 **SPI Image from Station HiPro**

Notes: HiPro is almost 22 km southwest of the wellhead. This SPI image shows the optical distinction between the reddish-brown, biologically reworked surface layer and the underlying, more consolidated bluish-gray clay. Scale: width of SPI image = 14.5 cm.

Figure 13 **SPI image from Station 000-900**

Notes: This SPI from Station 000-900 shows the dark, reduced, organically enriched surface layer covered by an oxidized crust of worm tubes, fecal pellets, and oxidized detritus that has settled out of the water column through natural depositional processes. Scale: width of SPI image = 14.5 cm.

Figure 14 **SPI Image from Station 180-200**

Notes: This SPI Image from Station 180-200 shows one of the thickest surface layers of oxidized detritus, which has settled out at the sediment-water interface. Scale: width of SPI image = 14.5 cm.

Figure 15 **SPI Image from Station 315-500**

Notes: Station 315-500 has an approximately 6.5-cm-thick layer of what is most likely redeposited Pleistocene muds at the sediment surface from top hole drilling efforts. Scale: width of SPI image = 14.5 cm.

Layers 1 and 3 occur through natural biological (Layer 1) and physical (Layer 3) seafloor processes, whereas Layer 2 could have occurred as a result of the Deepwater Horizon accident and Layer 4 could have occurred as either a result of the original well drilling or response efforts. Both Layers 2 and 4 are of particular interest for this reconnaissance mapping exercise.

The spatial distribution of Layer 2 was most pronounced closest to the wellhead (Figure 16). In the near-field, thickness of this layer ranged from almost 3 cm close to the wellhead and decreased to the point of nondetection beyond the 2,300-m radius in any direction (Figure 17; scatter plot in Figure 18). A 4.1-cm example of Layer 2 was documented at Station VK916 (the thickest measured in the entire dataset)(Figure 19), where it represented the remaining optical signature of the synthetic drilling muds that were measured and mapped during an earlier Minerals Management Survey study (CSA 2006) carried out in 2000 (Figure 20). Layer 2 was not present at any other far-field stations.

The material mapped in Layer 4 is from two possible sources: it is either redeposited Pleistocene silt-clay from the original Macondo well drilling or relief well efforts, or it could be from drilling muds, or potentially other heavy materials referred to as "junk shot" employed during well containment activities. The greatest volume of recently-deposited sediment around the well head came from the original Macondo well drilling (subsurface Pleistocene muds generated during the drilling activity were returned to the seafloor where they were deposited in a series of radial splays emanating from the well head center) or from the two relief wells that were spudded after the Deepwater Horizon incident occurred; these two relief wells, like the original Macondo well, were also drilled without a riser and had the natural, subsurface Pleistocene muds returned to the seafloor. After these two relief wells were drilled, the top kill effort introduced some heavy drilling mud into the system; the volume of drilling mud used is a matter of record, but it is much smaller than the volume of Pleistocene muds that were redeposited on the seafloor from either the original drilling or the two relief well efforts. Given the timing of these events, the stratigraphic sequence in the sedimentary record would have the drilling mud as the top layer (having occurred last) and the underlying layers being the redeposited, subsurface Pleistocene muds from the three different well drilling events. What we have mapped as Layer 4 is a combination of all these layers, but the most likely component (highest volume) of this layer is probably the Pleistocene muds. This layer (Layer 4) had a distinct appearance in the PV images (Figure 21) as well as the SPI images (Figure 14). Layer 4 was thickest along the transect extending in the northwestern direction from the wellhead (315 radial transect; see Figure 22), and, like the distribution of Layer 2, tapered off to optical nondetect levels 1,700 m away from the wellhead (Figure 23). No trace of recently-deposited mud or clay layers could be found at any of the far-field stations (Figure 24).

One of the more unusual near-field sedimentary features was the presence of apparent nonsoluble liquid inclusions associated with either depositional Layer 2 or 4. Apparent tiny droplets (1 mm or less in diameter) or larger amoeboid blobs (up to 4 mm in diameter) of liquid trapped within the sedimentary matrix (Figure 25) were found at all the stations within 500 m of the wellhead (Figure 26). Beyond 500 m, the presence of these liquid-phase sedimentary inclusions was patchy along the various radial transects, with the farthest occurrence at 1,900 m northwest along Transect 315 (Figure 26). These liquid inclusions did not occur in any of the far-field stations (Figure 27).

2.2.5 Mud Clasts

For the SPI data, parameters such as boundary roughness (Section 2.1.2) and mud clast data (number, size) provide supplemental information pertaining to the physical regime and bottom sediment transport activity at a site. Even though mud clasts are definitive characteristics whose presence can indicate physical disturbance of some form, the majority of the mud clasts noted in the images from this survey were artifacts due to sampling (mud clumps clinging to the frame base or from the wiper blade) and not indicative of physical disturbance or sediment transport activities. They are easily identified in SPI images both by the shape of the mud clast and the lack of any visible mud clasts in the corresponding PV image, i.e., clasts were not present in the field of view before the camera frame landed on the bottom. Therefore, mud clast data were not separately mapped or used as individual parameters for separate interpretation; those instances where mud clasts were not due to sampling artifacts are noted in the comment field in Appendix A.

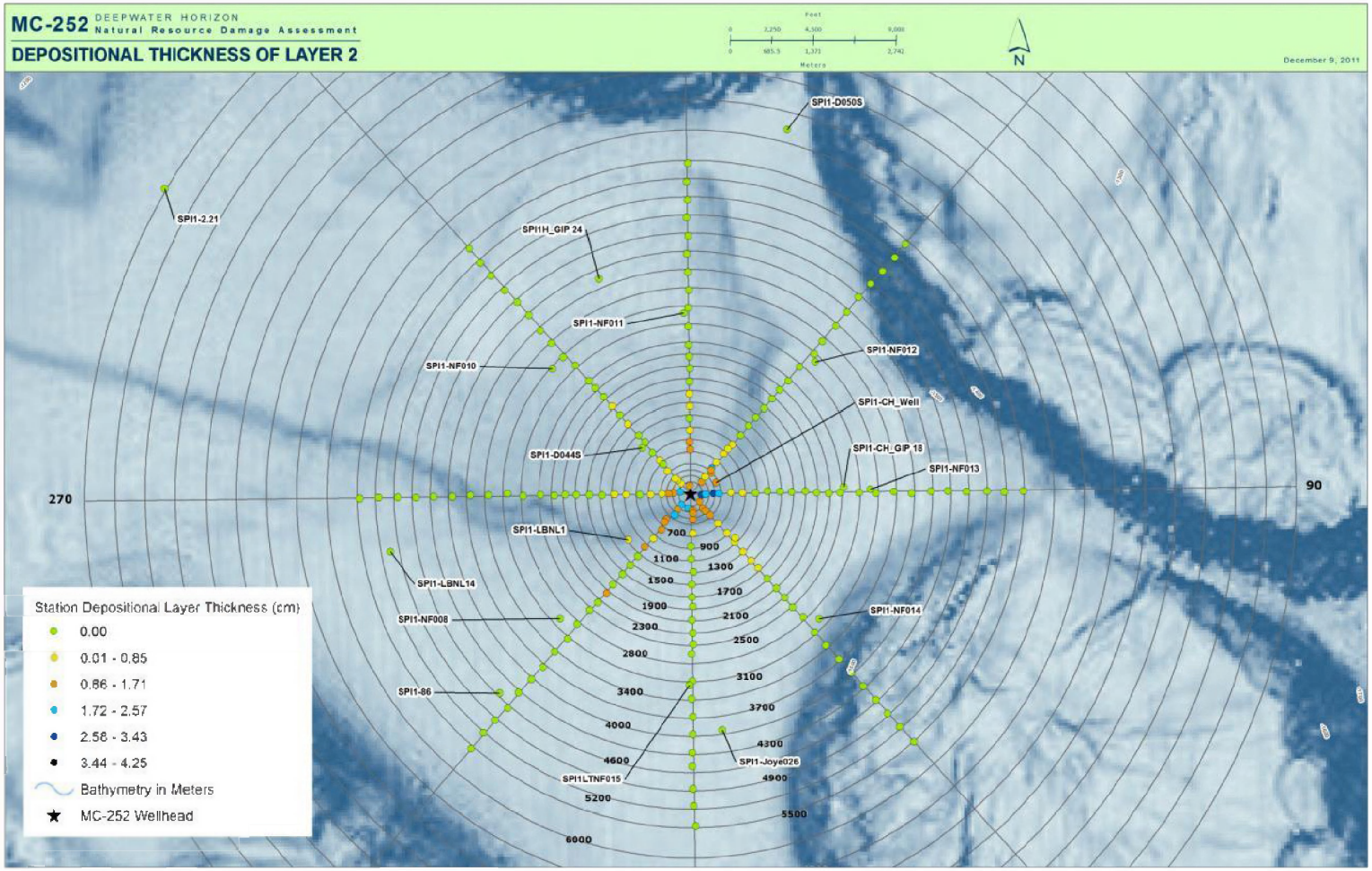

Figure 16 **Spatial Distribution and Thickness (cm) of Layer 2 at Near-Field Stations Sampled in April 2011**

Note: Layer 2 is a dark gray depositional layer.

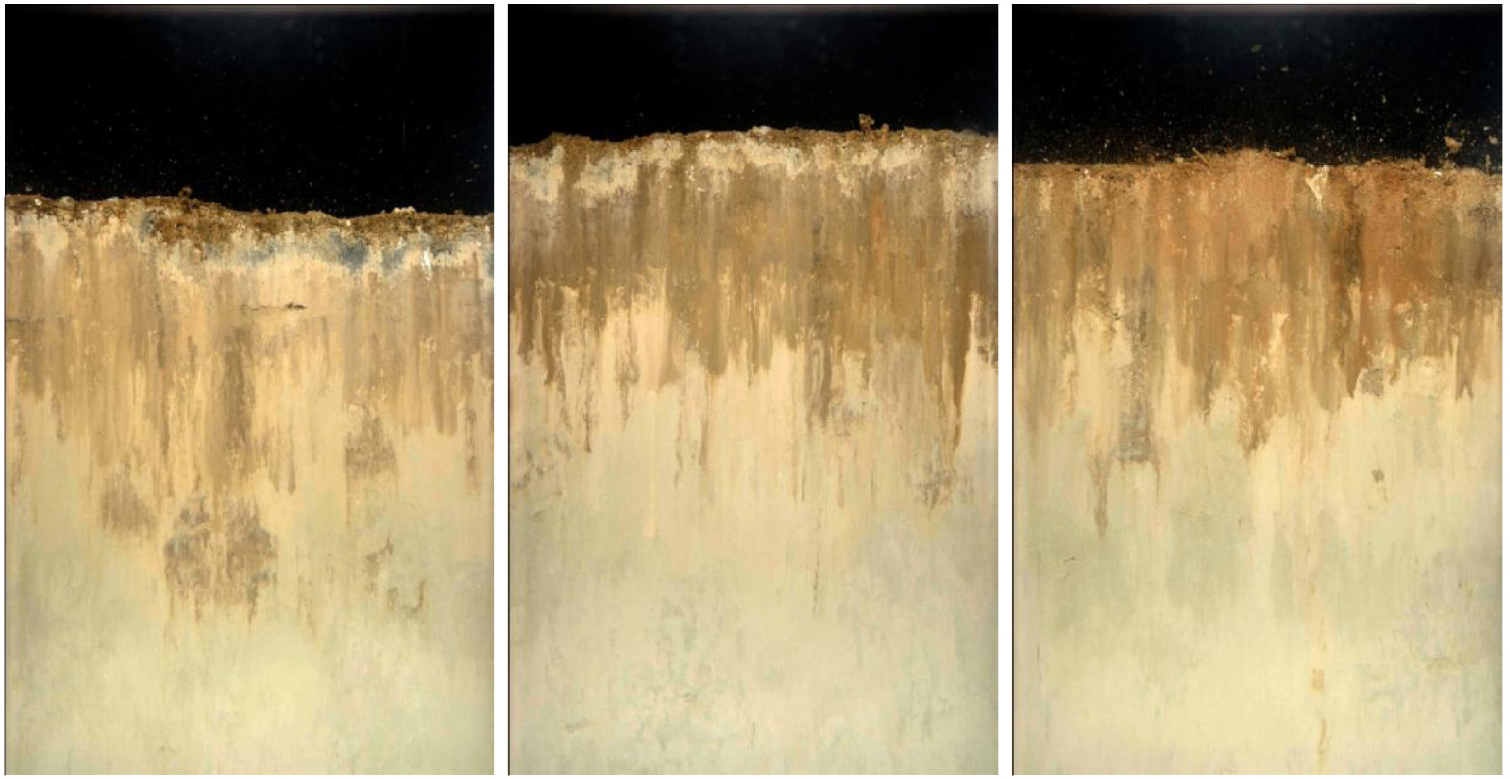

Figure 17 **SPI Images from Stations 090-700 (Left), 090-900 (Center), and 090-1100 (Right)**

Notes: These SPI images show the gradual disappearance of Layer 2, the dark gray, reduced sedimentary layer with distance from the wellhead. Distance increases left to right.
Scale: width of each SPI image = 14.5 cm.

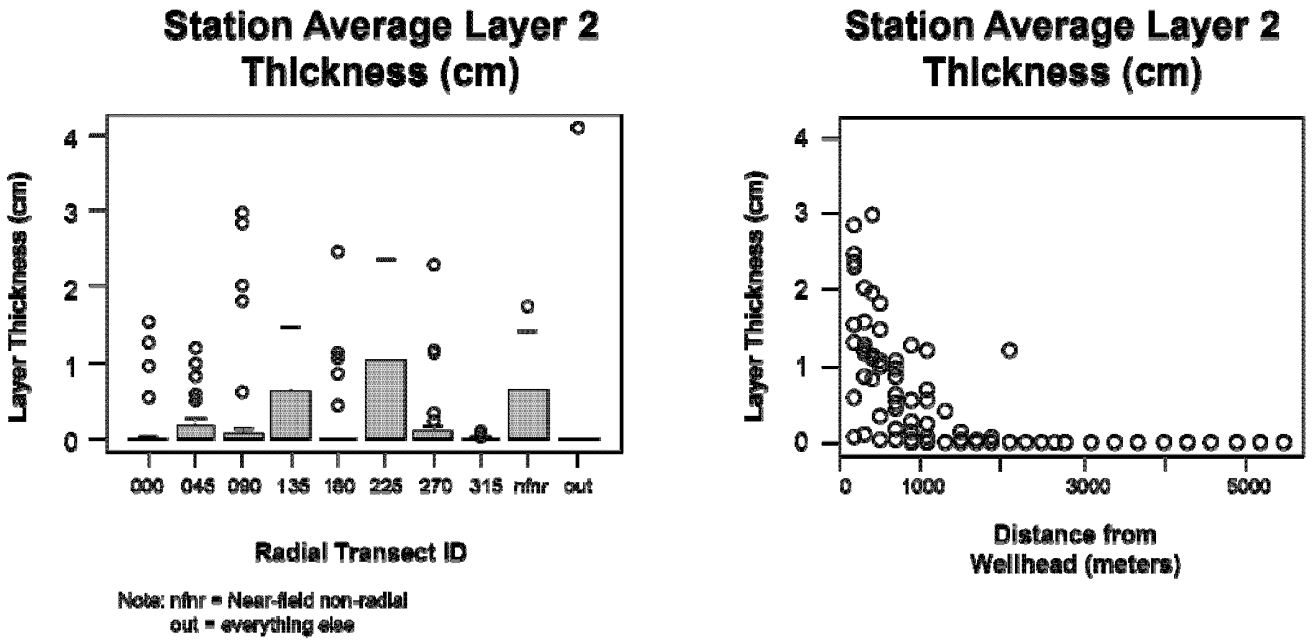

Figure 18 **Distribution of Average Station Layer 2 thickness (cm) among Radial Transects and Non-Radial Stations Surveyed (Left) and by Distance from the Wellhead (Right, Radial Stations Only)**

Note: Layer 2 is a dark gray depositional layer.

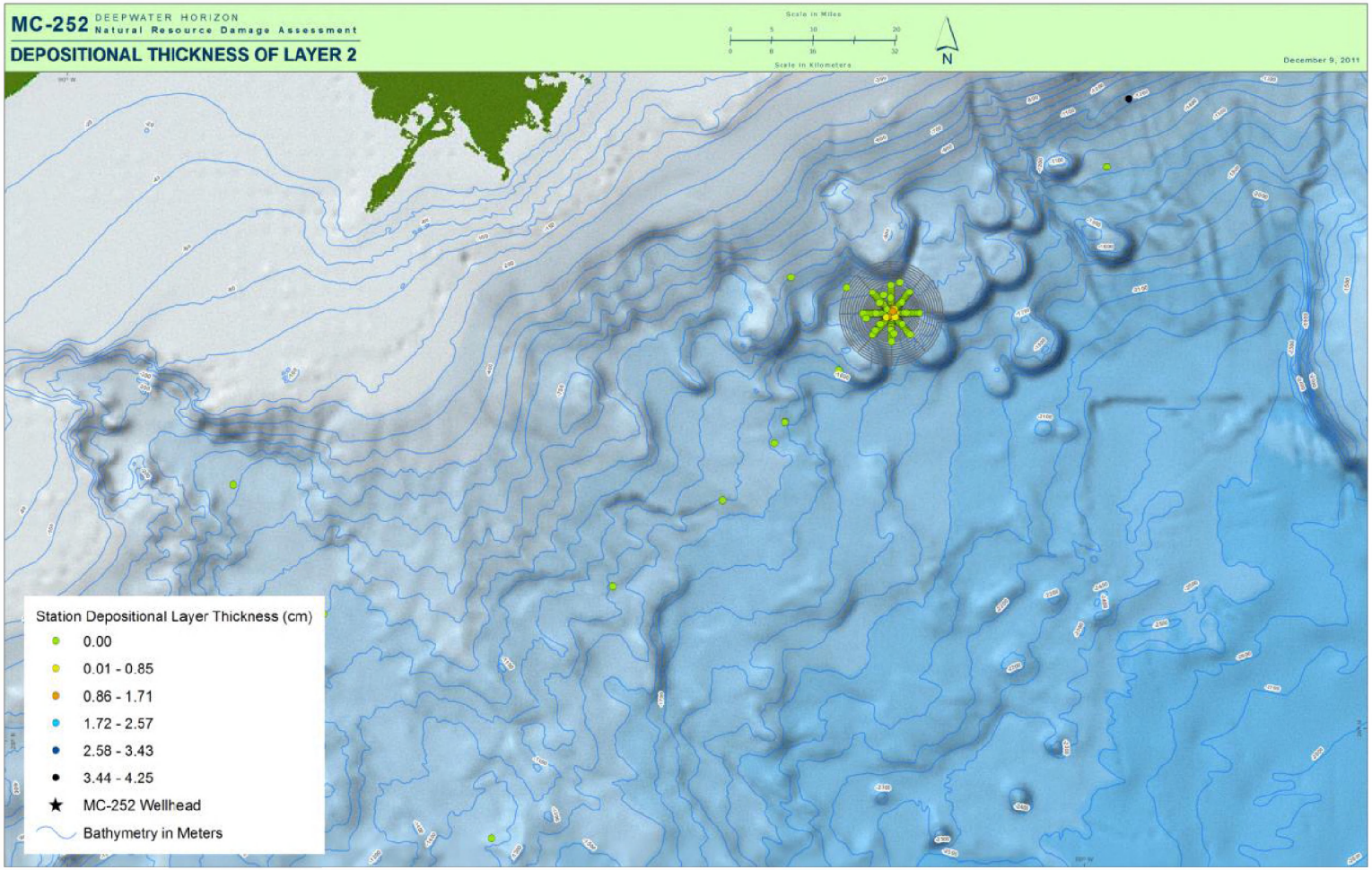

Figure 19 **Spatial Distribution and Thickness (cm) of Layer 2 at Far-Field Stations Sampled in April 2011**

Note: Layer 2 is a dark gray depositional layer.

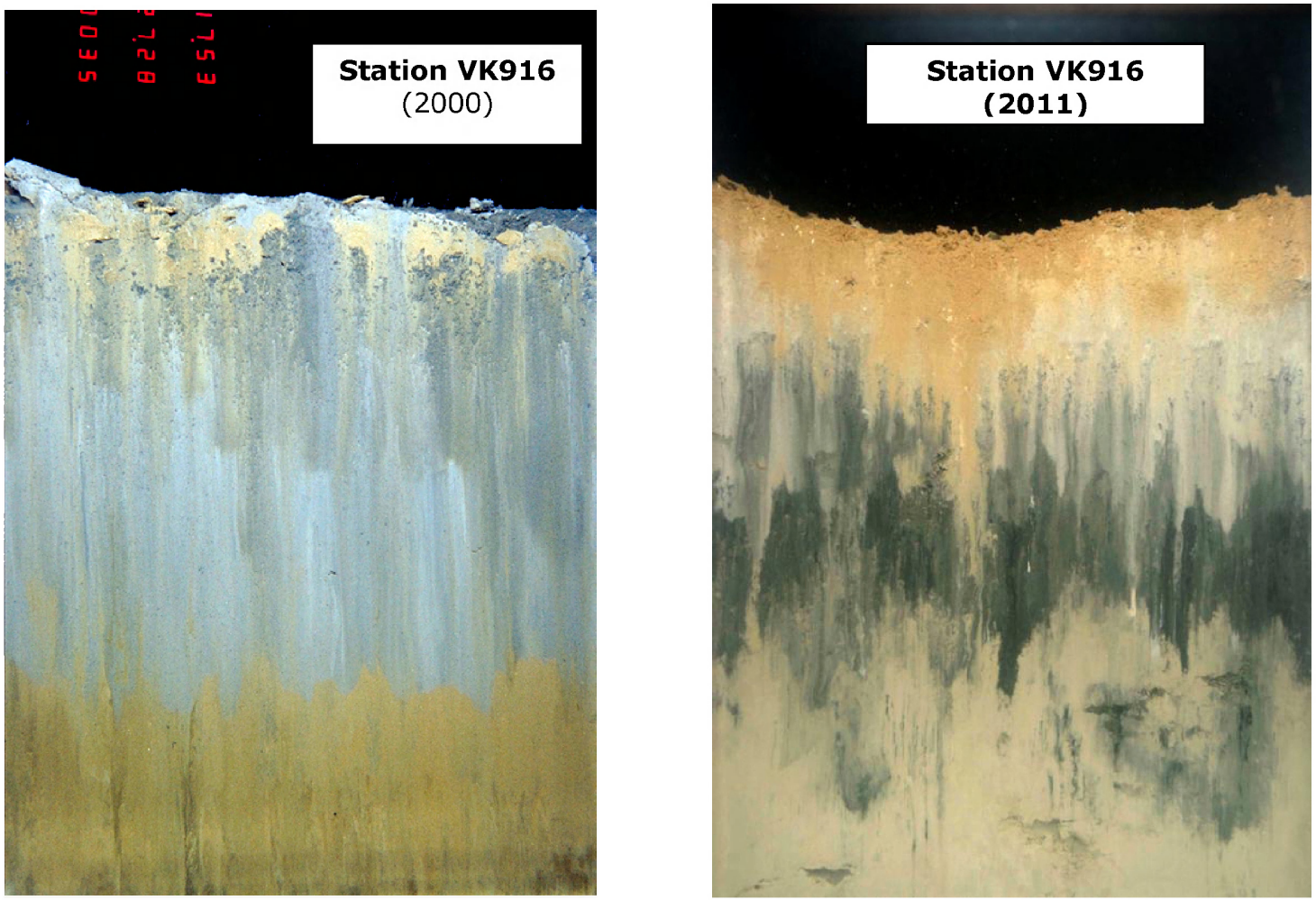

Figure 20 **Synthetic Drilling Mud Deposit near Station VK916 (Left) and Dark, Reduced Organically Enriched Layer at Station VK916 (Right)**

Notes: This dark layer is the historical remnant of a synthetic drilling mud deposit (left) that was mapped at this location during an earlier study (CSA 2006); the SPI image on the left (taken in 2000) was located 31 m from the SPI image on the right (taken in 2011). This dark, reduced, organically-enriched layer (Layer 2) at Station VK916 was originally deposited on the seafloor 11 years before the April 2011 SPI/PV survey but is still partially preserved in the sedimentary record. Scale: width of each SPI image = 14.5 cm.

Figure 21 **Irregular Surface Texture of Redeposited Pleistocene Muds from Top Hole Drilling shown in PV Image from Station D038-SW**

Scale: width of image = 1.67 m.

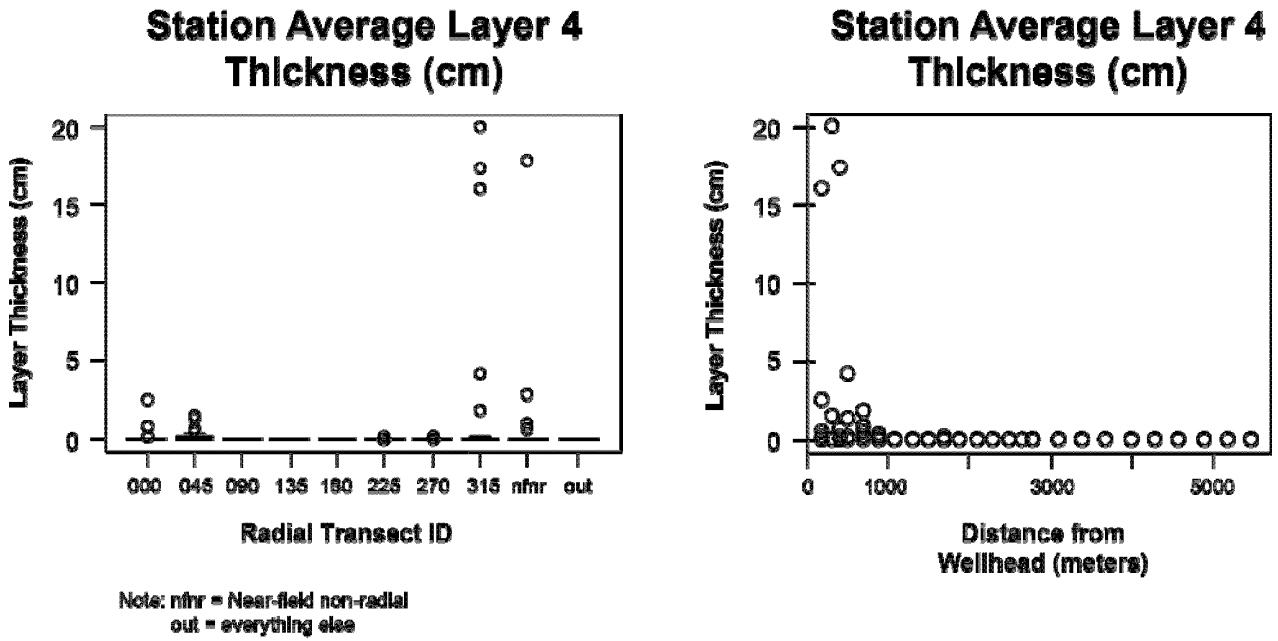

Figure 22 **Distribution of Average Station Layer 4 thickness (cm) among Radial Transects and Non-Radial Stations Surveyed (Left) and by Distance from the Wellhead (Right, Radial Stations Only)**

Note: Layer 4 is a whitish-gray allochthonous clay depositional layer.

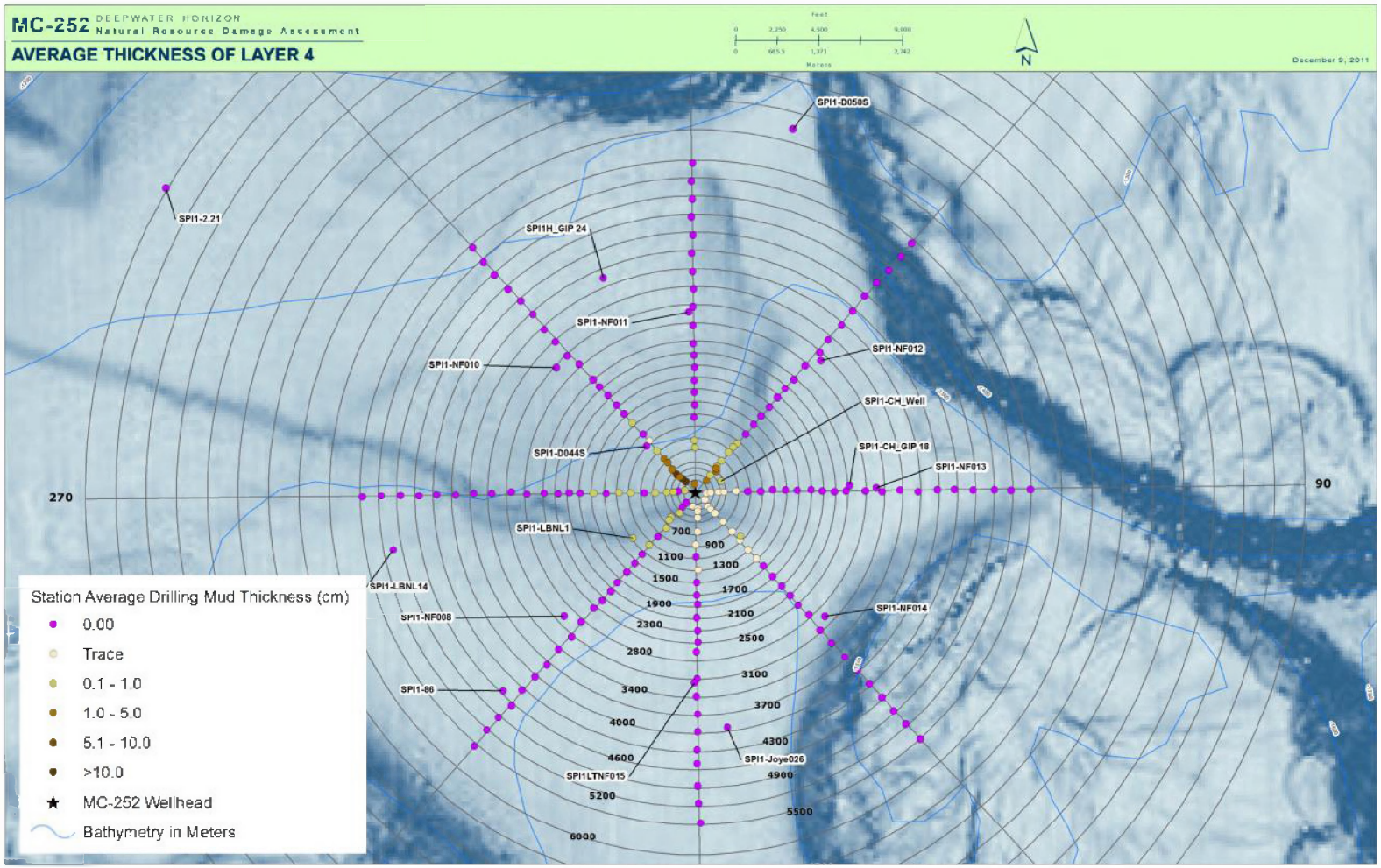

Figure 23 **Spatial Distributions and Thickness (cm) of Layer 4 at Near-Field Stations Sampled in April 2011**

Note: Layer 4 is a whitish-gray allochthonous clay depositional layer.

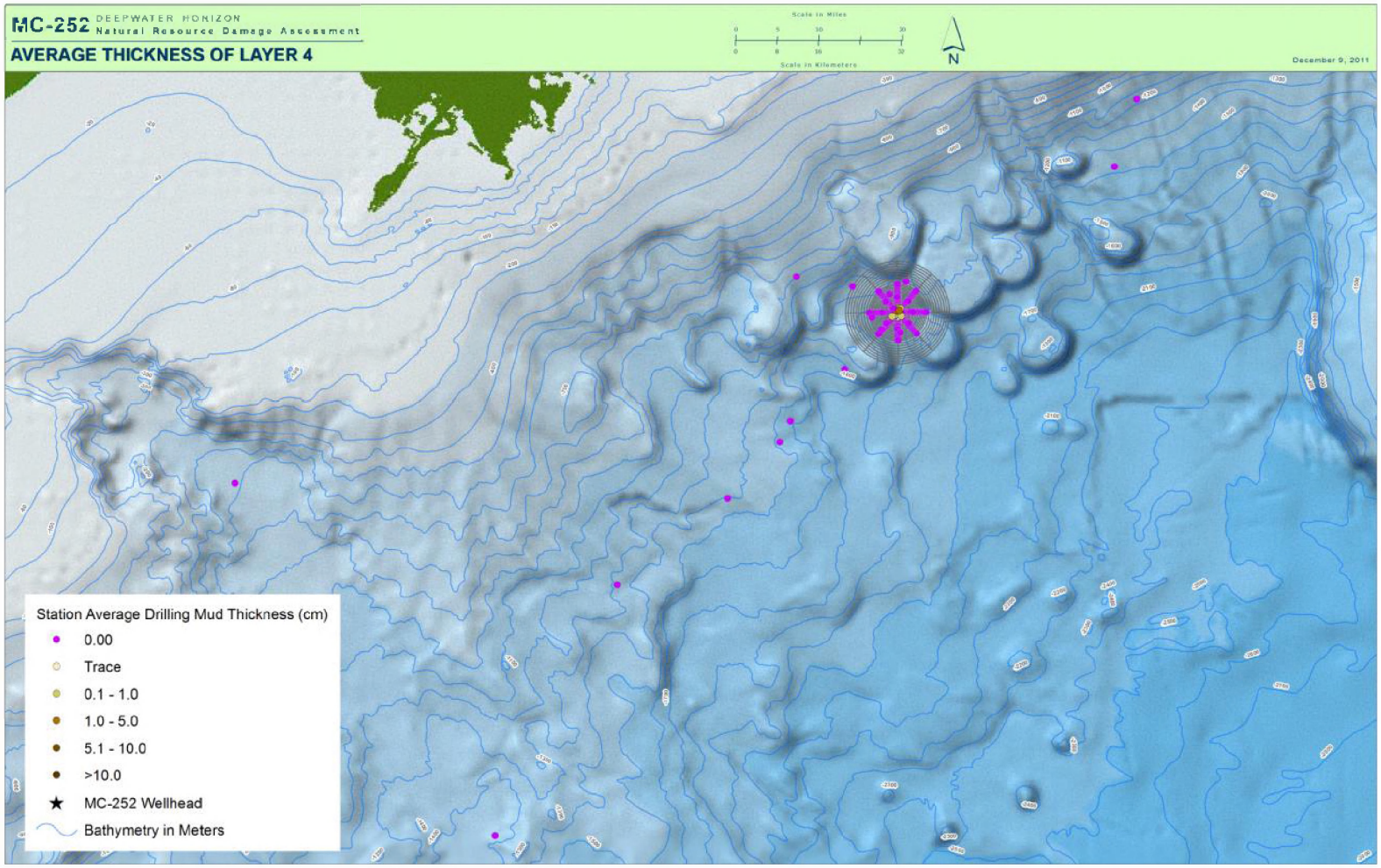

Figure 24 **Spatial Distribution and Thickness (cm) Layer 4 at Far-Field Stations Sampled in April 2011**

Note: Layer 4 is a whitish-gray allochthonous clay depositional layer.

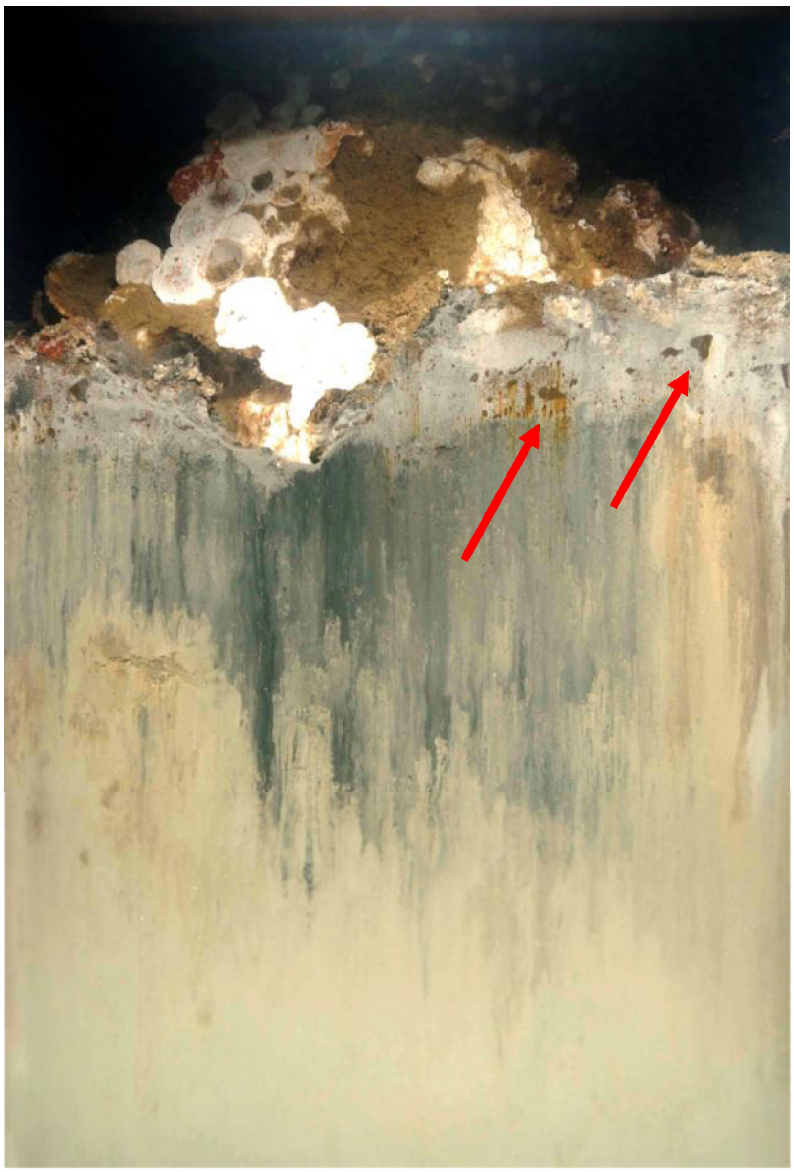

Figure 25 **Nonsoluble Liquid Inclusions (arrows) Shown in SPI Image from Station 000-200**

Notes: A wide size range of nonsoluble liquid inclusions was observed trapped within organically enriched surface depositional layer at Station 000-200. Scale: width of SPI image = 14.5 cm.

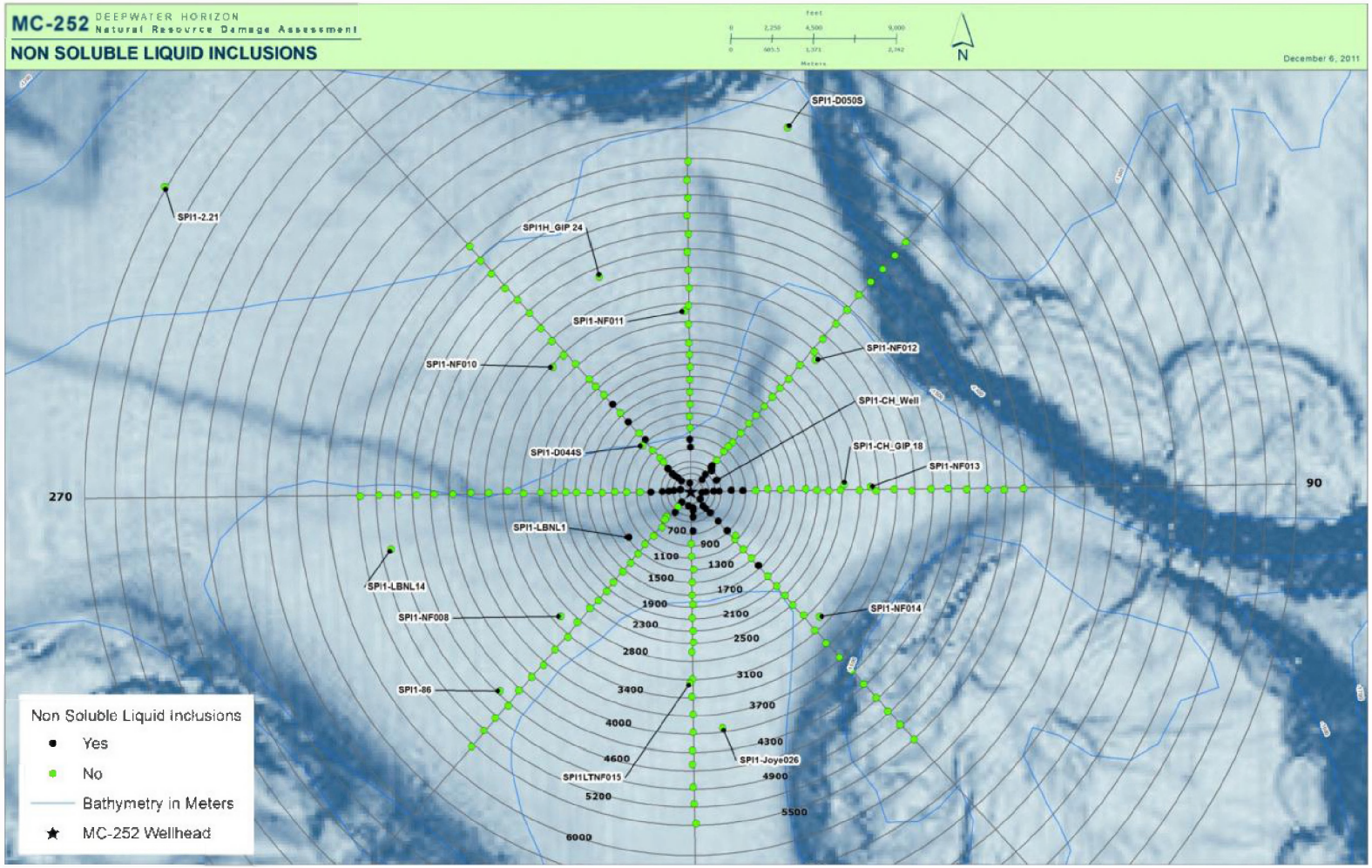

Figure 26 **Spatial Distribution of Near-Field Locations Where Nonsoluble Liquid Inclusions Were Present in Upper Depositional Sediment Layers**

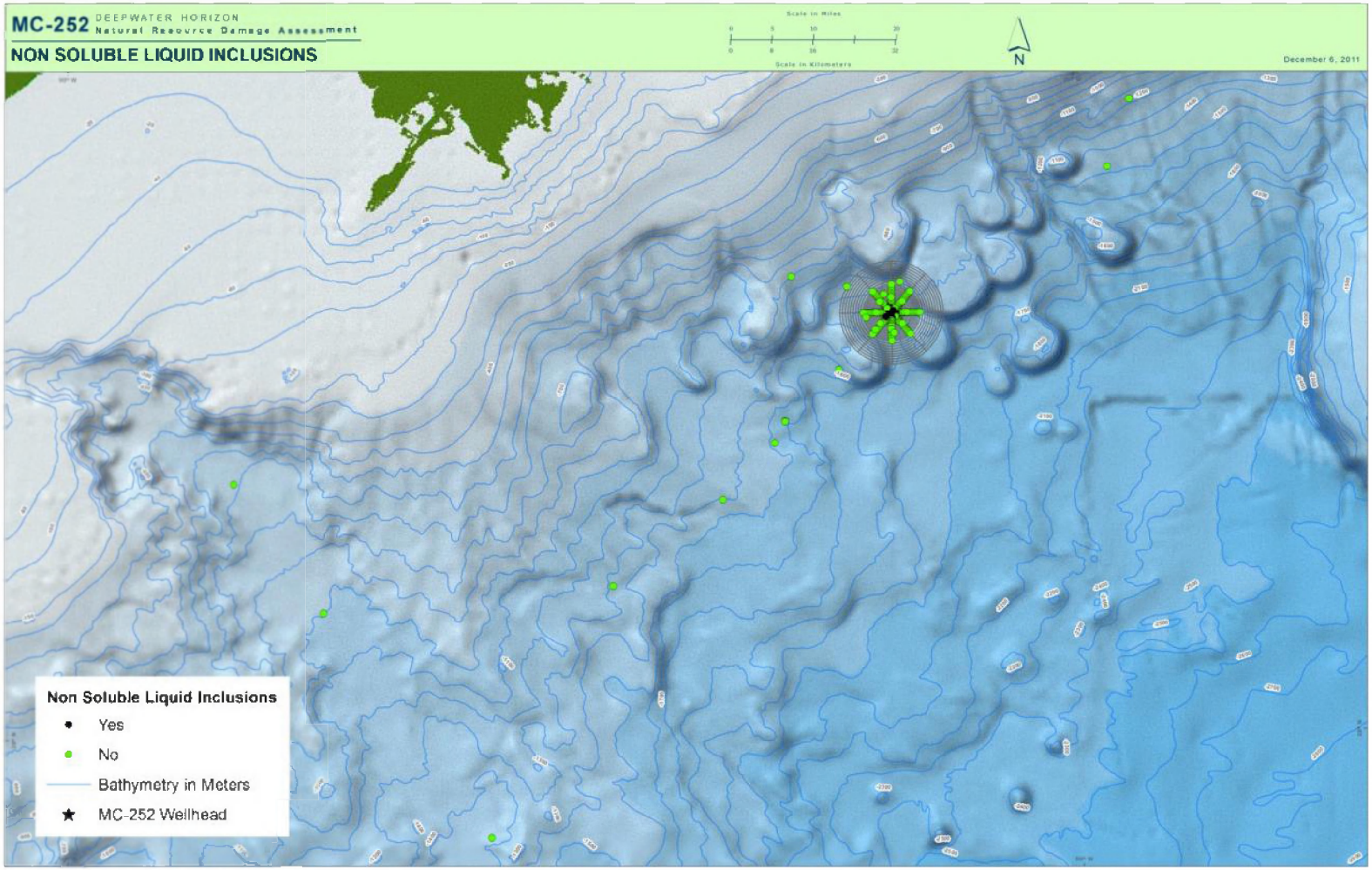

Figure 27 **Spatial Distribution of Nonsoluble Liquid Inclusions in the Upper Sediment Depositional Layers**

2.2.6 Apparent Redox Potential Discontinuity Depth

The distribution of mean aRPD depths ranged from 0.2 to 3.7 cm in the near-field (Figure 28) and from 1.5 to 4.9 cm in the far-field stations (Figure 29), with an overall near-field site average value of 2.1 cm and an overall far-field site average value of 2.8 cm. Most of the station average aRPD values along the different radial transects were similar (Figure 30) with the exception of radial 270 (average station aRPD values from Station 270-1700 to the end of the radial transect at Station 270-5500 were 0.5 to 1.0 cm lower compared to other radials – see Figure 31). Also, aRPD values increased as one moved away from the wellhead within approximately 1100 m from any direction (Figure 28, scatter plot on Figure 30). The dramatic difference in aRPD values between the end member stations along Transect 180 is an excellent illustration of this gradient in aRPD depths in the near-field region (Figure 32). In the far-field region, mean aRPD depths were comparable to those found along the outer portions of the radial transects with the exception of Station FF-MT4, which had the greatest average station aRPD depth (4.9 cm). Station FF-MT4 was the station farthest away from the wellhead (approximately 130 km SW) located in water depths of 1,385 m (Figure 33).

2.2.7 Sedimentary Methane, Organic Enrichment, and Presence of Thiophilic Bacterial Colonies

While the high organic content of the sediments in Layer 2 created a distinct footprint where near-field sediments are organically enriched associated with the dark gray to black depositional layer (Figure 16), no evidence exists of anoxic overlying water and no excess organic loading to the point where methane gas was trapped in the subsurface sediment (Appendix A). No organically enriched sediments were found at any far-field stations sampled (Figure 19). However, the excessive organic enrichment from material deposited on the sediments at near-field locations created a SOD high enough to allow hypoxia to develop in the benthic boundary layer and thiophilic bacterial colonies (Figure 34a and 34b) to bloom on the sediment surface at 58 of the sediment stations out to 1,300 m away from the wellhead (Figure 35). No bacterial colonies were found on the sediment surface beyond 1,300 m in the near-field or at any of the far-field locations Figure 36). Even though the presence of dense colonies of thiophilic bacteria on the sediment surface is typically associated with azoic conditions or radically diminished benthic infaunal populations (Rosenberg and Diaz 1993; Lardicci et al. 2001), the PV images at these stations nearest to the wellhead with the dense thiophilic bacterial colonies show the presence of large (ca. 5 to 10 cm in length), surface-deposit feeding polychaetes (Figure 34a) in high densities (ca. in excess of 2,000 individuals/m^2).

2.2.8 Infaunal Successional Stage

No gradients or shifts in successional stage status were present nor was variability substantial (other than density of surface or subsurface features) in the trophic group assemblages at any of the stations (Appendix A). While distinct taxonomic morphotypes occurred in the tubicolous surface fauna, which varied in space along the radial transects sampled (Figure 37), subsurface deposit feeding taxa were present at every station sampled (Figure 38, Appendix A). There were noticeable differences in both the density of subsurface structures (SPI images, Appendix A) and the abundances of surface epifauna and tubicolous benthic infauna (PV images, Appendix B) from station to station. These will be quantified and mapped in a more integrated fashion in the next report once the data from Leg 2 are incorporated with these Leg 1 results.

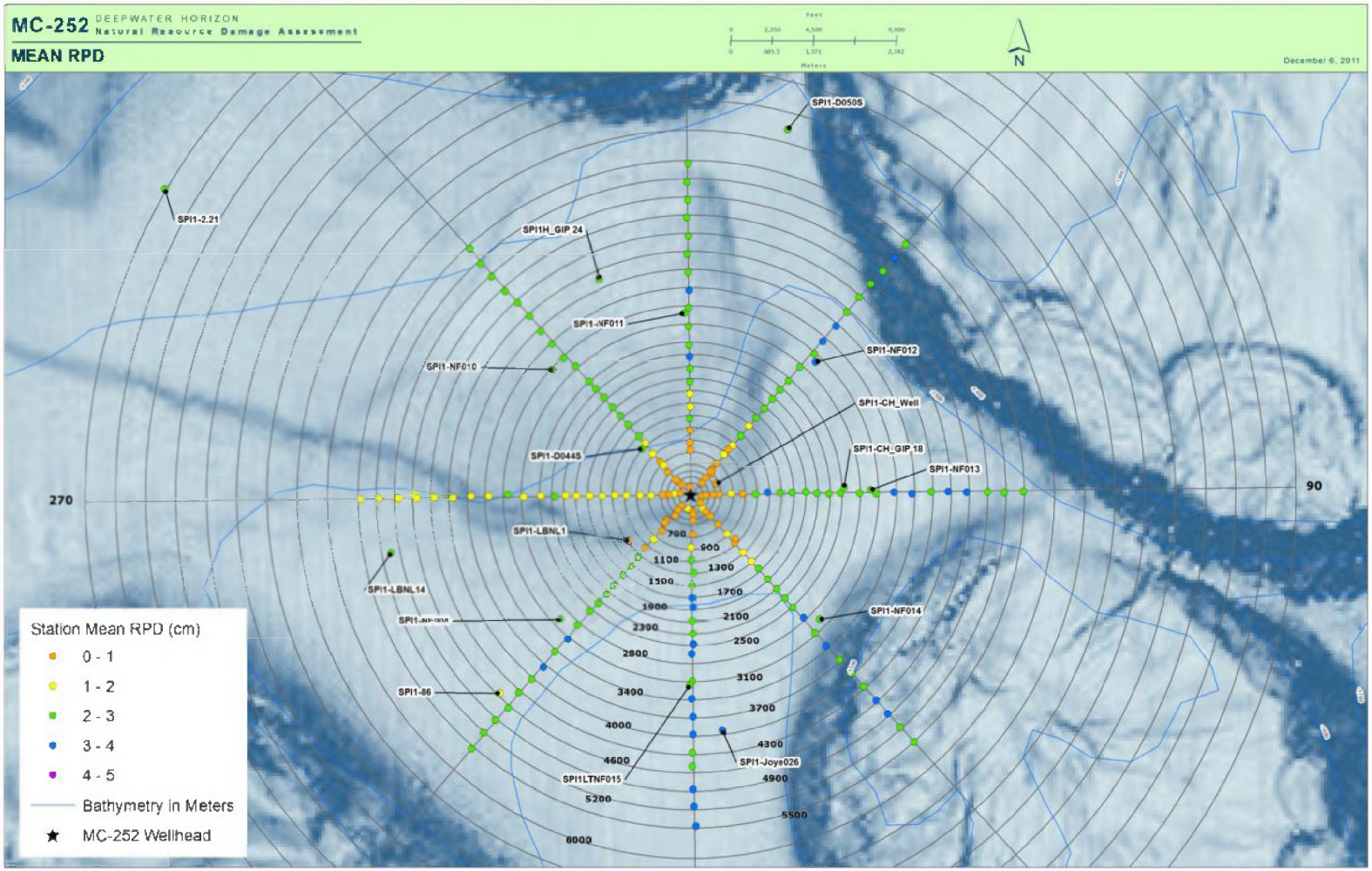

Figure 28 **Spatial Distribution of Average Station aRPD Depth (cm) at Near-Field Stations Sampled in April 2011**

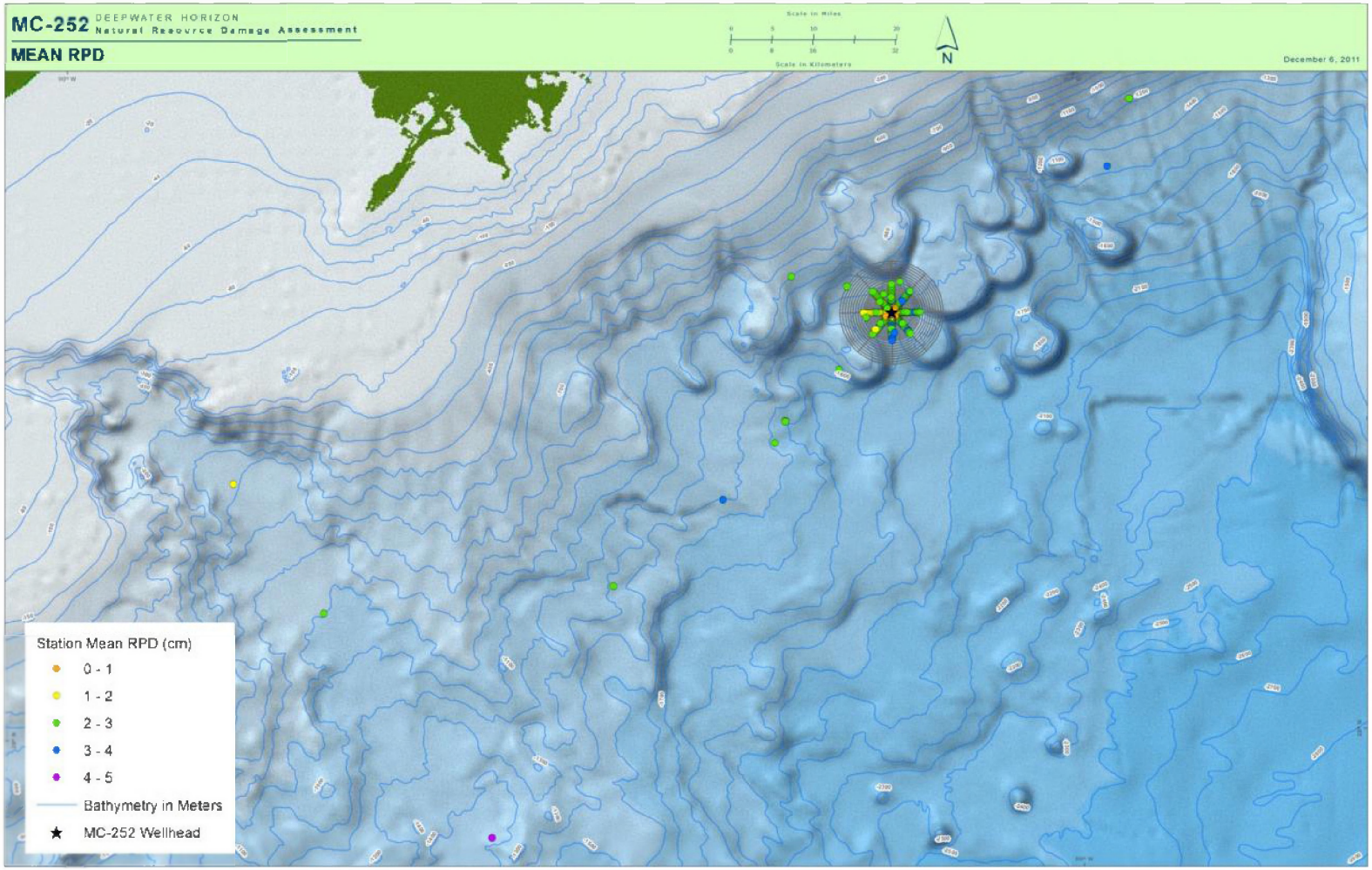

Figure 29 **Spatial Distribution of Average Station aRPD Depth (cm) at Far-Field Stations Sampled in April 2011**

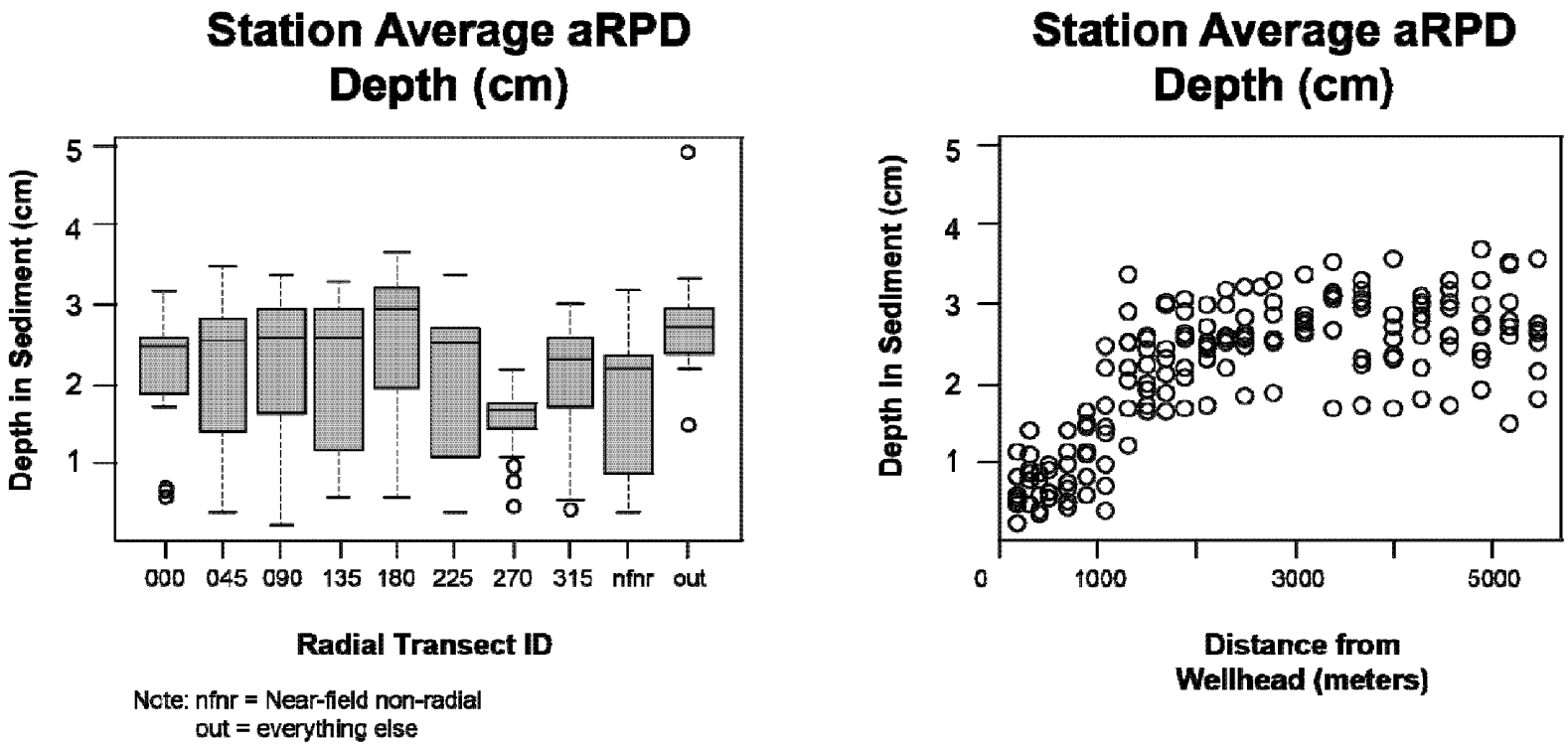

Figure 30 Distribution of Average Station aRPD Depth (cm) among Radial Transects and Non-Radial Stations Surveyed (Left) and by Distance from the Wellhead (Right, Radial Stations Only)

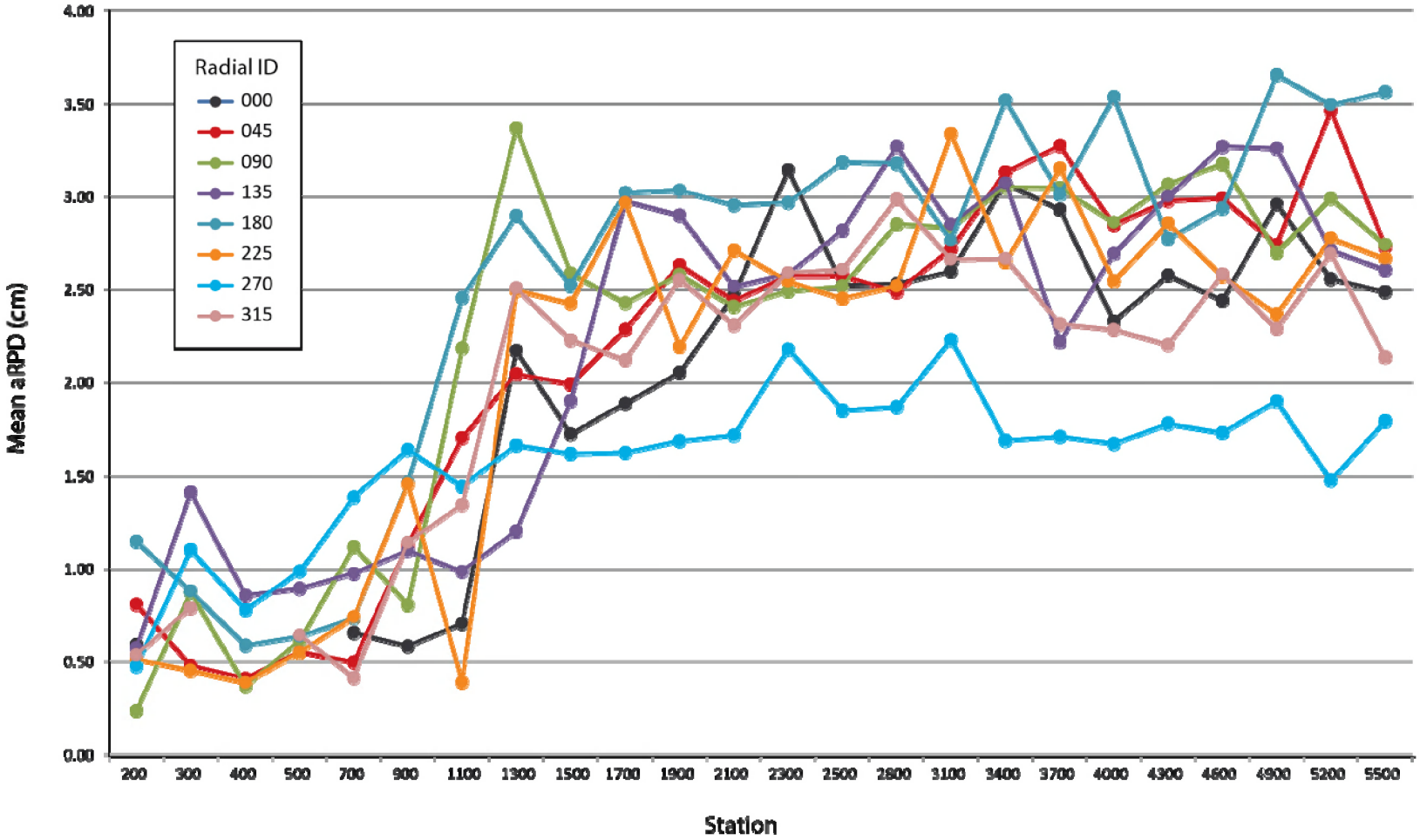

Figure 31 **Average Station aRPD Depth (cm) along Radial Transects Centered around the MC-252 Wellhead as a Function of Distance (m) from Wellhead**

Figure 32 **Decrease in aRPD depth moving toward the wellhead along transect 180 from Station 180-5200 (Left) to Station 180-300 (Right)**

Notes: aRPD depth was 3.8 cm at Station 180-5200 and 0.7 cm at Station 180-300, which is located within a few hundred meters of the wellhead center. Scale: width of each SPI image = 14.5 cm.)

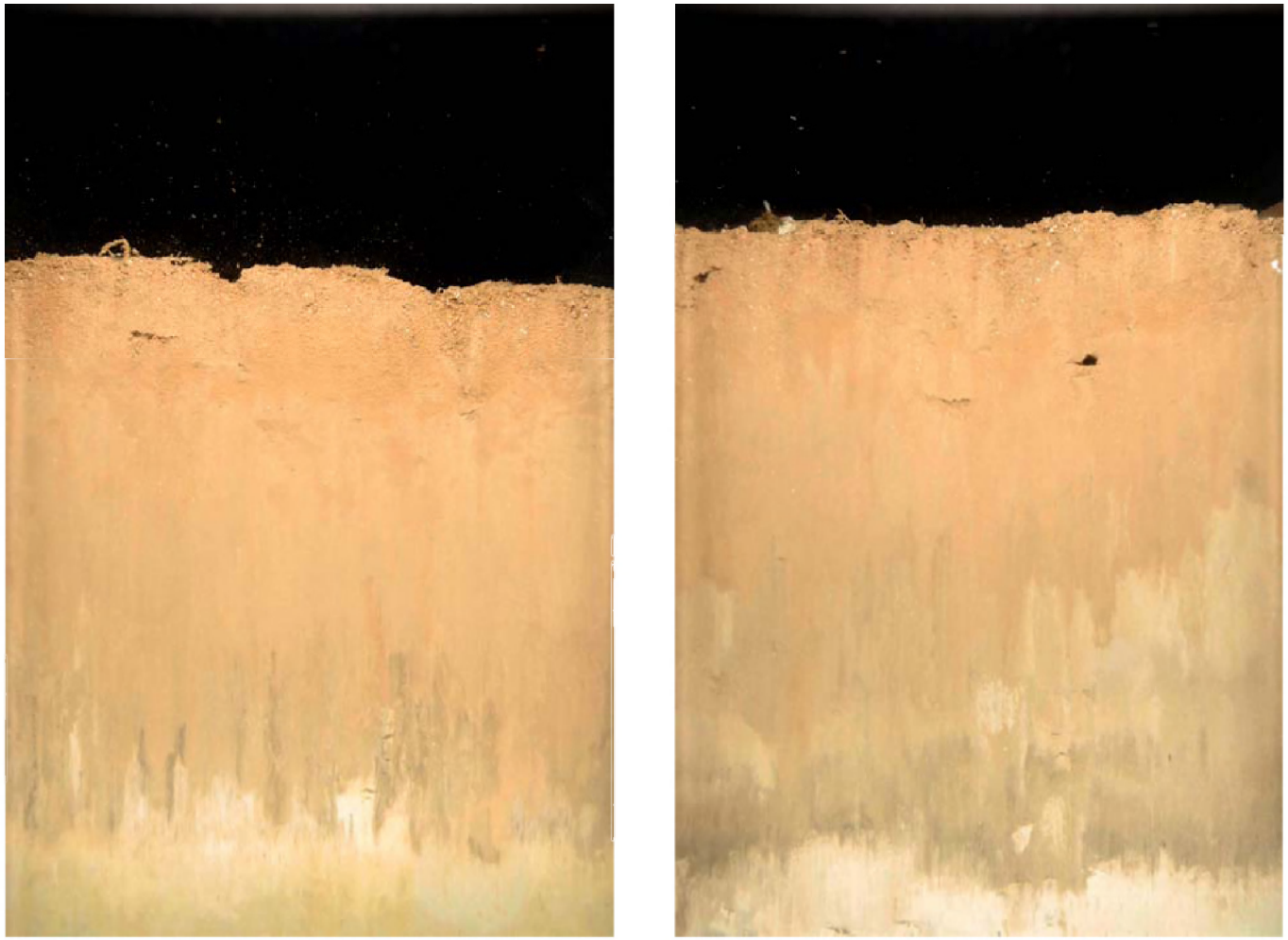

Figure 33 **Oxidized Surface Layer shown in SPI Images from Station FF-MT4 (Left: aRPD = 4.47 cm; Right: aRPD = 5.39 cm)**

Notes: A relatively thick oxidized surface layer was present at Station FF-MT4 due to deep infaunal bioturbation at this location. See corresponding PV image in Figure 47. Scale: width of each SPI image = 14.5 cm.)

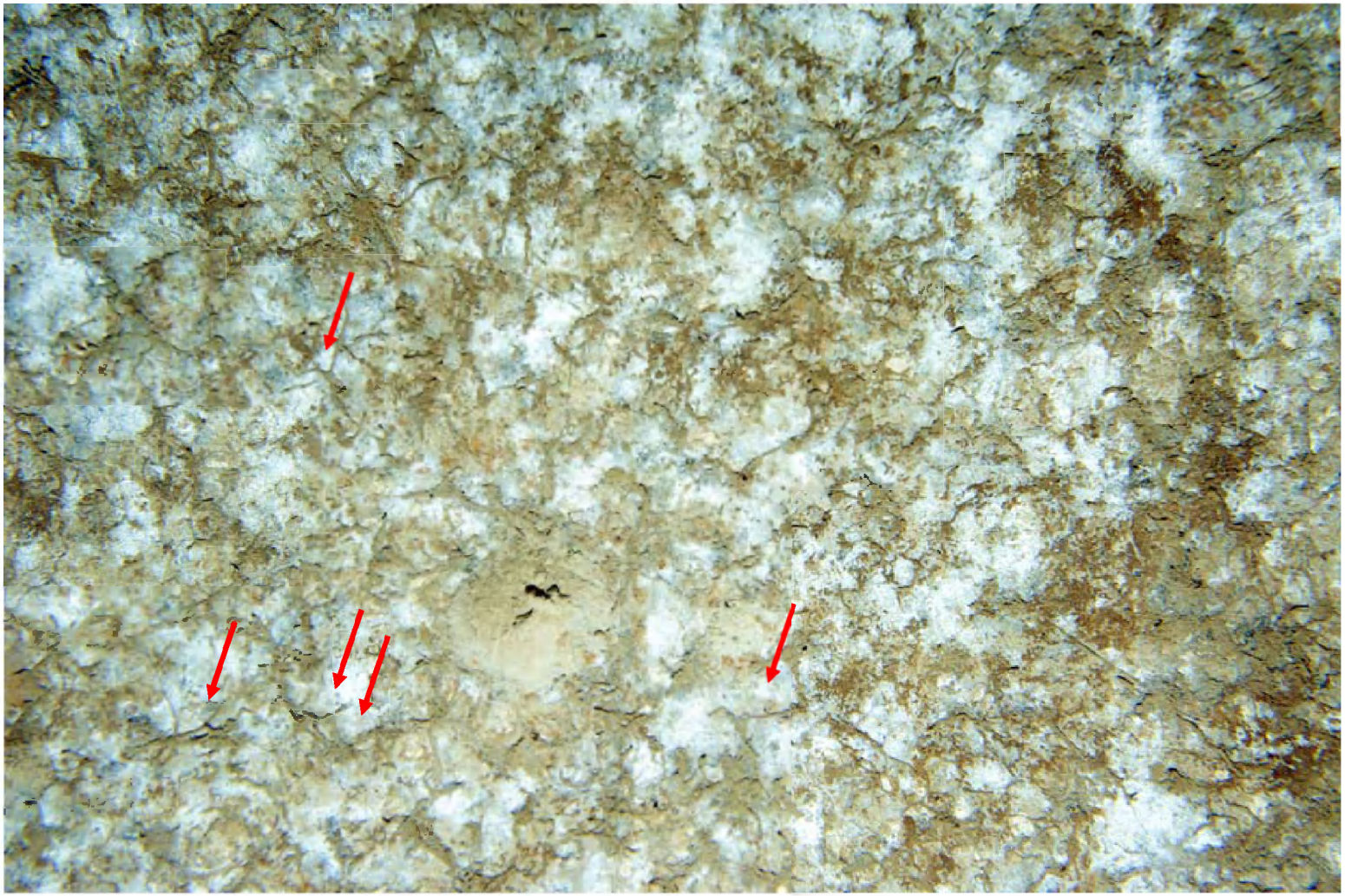

Figure 34a **Network of Large Polychaete Tubes on the Sediment Surface (arrows) shown in PV Image from Station 045-200**

Notes: Dense patches of white thiophilic bacteria colonies were present in between the worm tubes at Station 045-200. See Figure 34b for corresponding SPI image. Scale: width of PV image = 1.6 m.

Figure 34b **Surface Deposit-Feeding Polychaetes (arrows) shown in SPI image from Station 045-200**

Notes: The surface bacterial crust and worm tube network have been dragged down into the sediment by the camera prism. Arrows indicate the relative size of the surface deposit-feeding polychaetes within the network of tubes at the sediment-water interface. Scale: width of SPI image = 14.5 cm

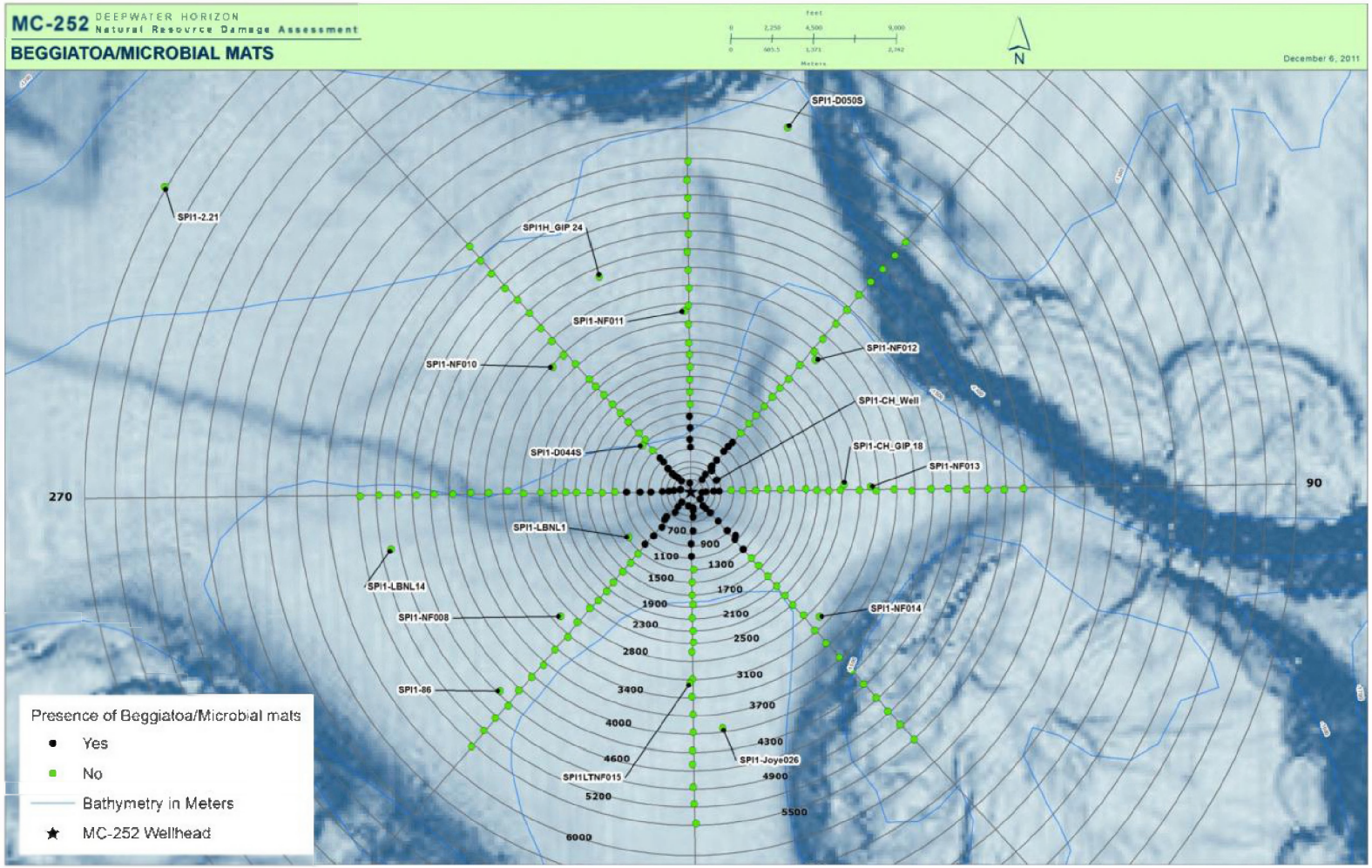

Figure 35 **Spatial Distribution of Thiophilic Bacterial Colonies at Near-Field Stations Sampled in April 2011**

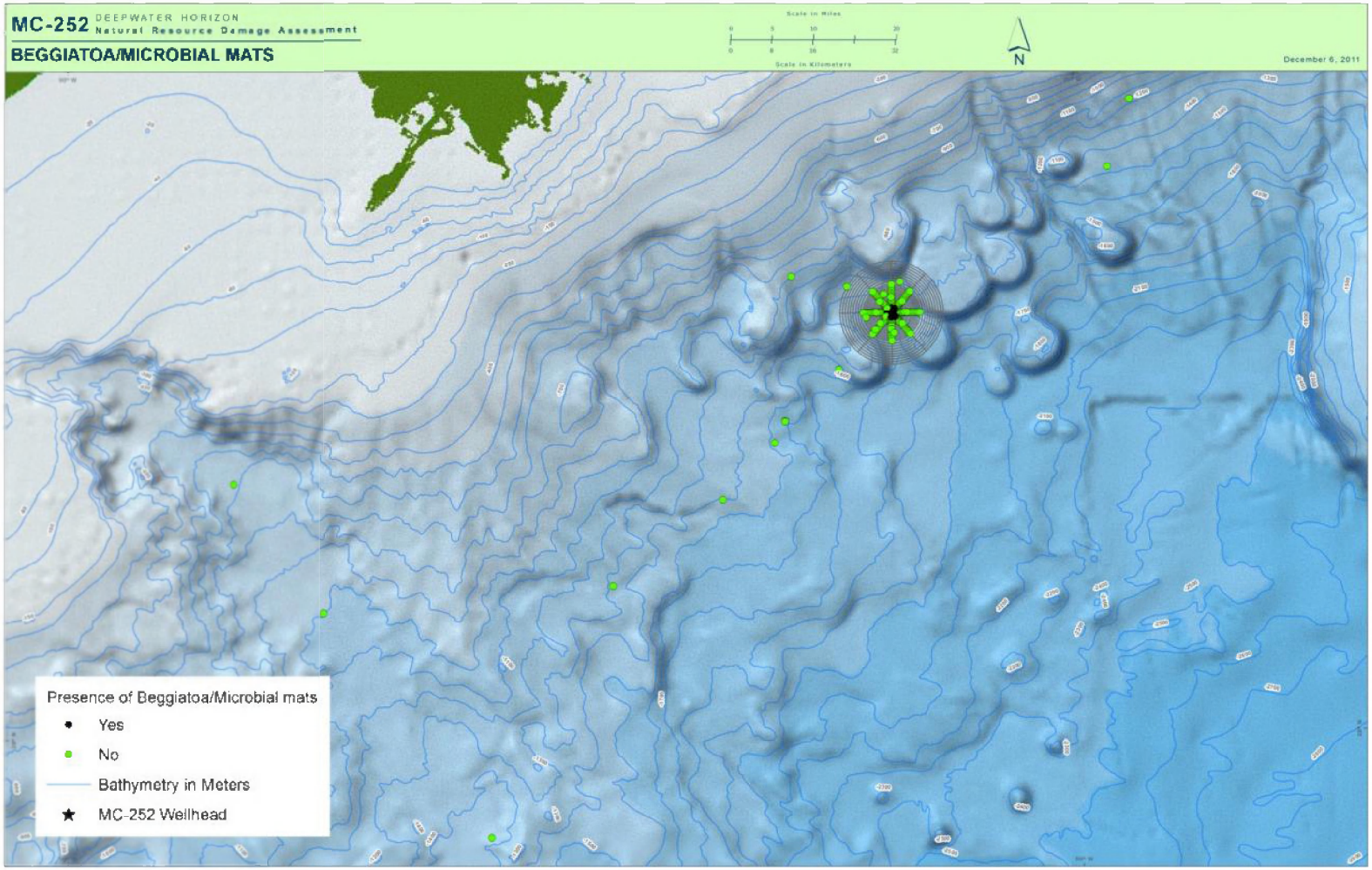

Figure 36 **Spatial Distribution of Thiophilic Bacterial Colonies at Far-Field Stations Sampled in April 2011**

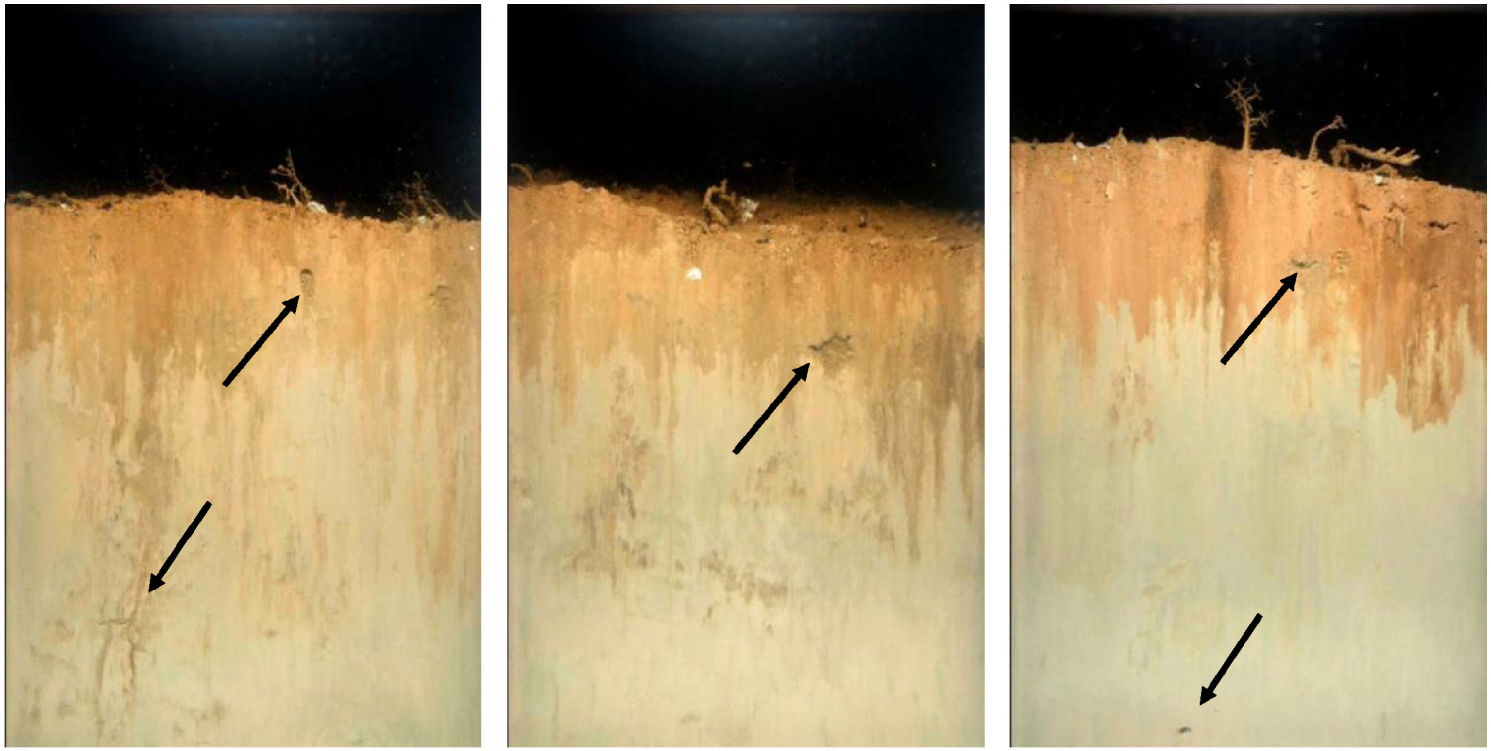

Figure 37 **Distinct Taxonomic Morphotypes at Sediment Surfaces of Stations 000-2800 (Left), NF008 (Center), and HiPRO (Right)**

Notes: SPI images show evidence of subsurface deposit feeders as well as a variety of different tubicolous polychaetes and dendritic colonial foraminiferans at the sediment surface. Scale: width of each SPI image = 14.5 cm

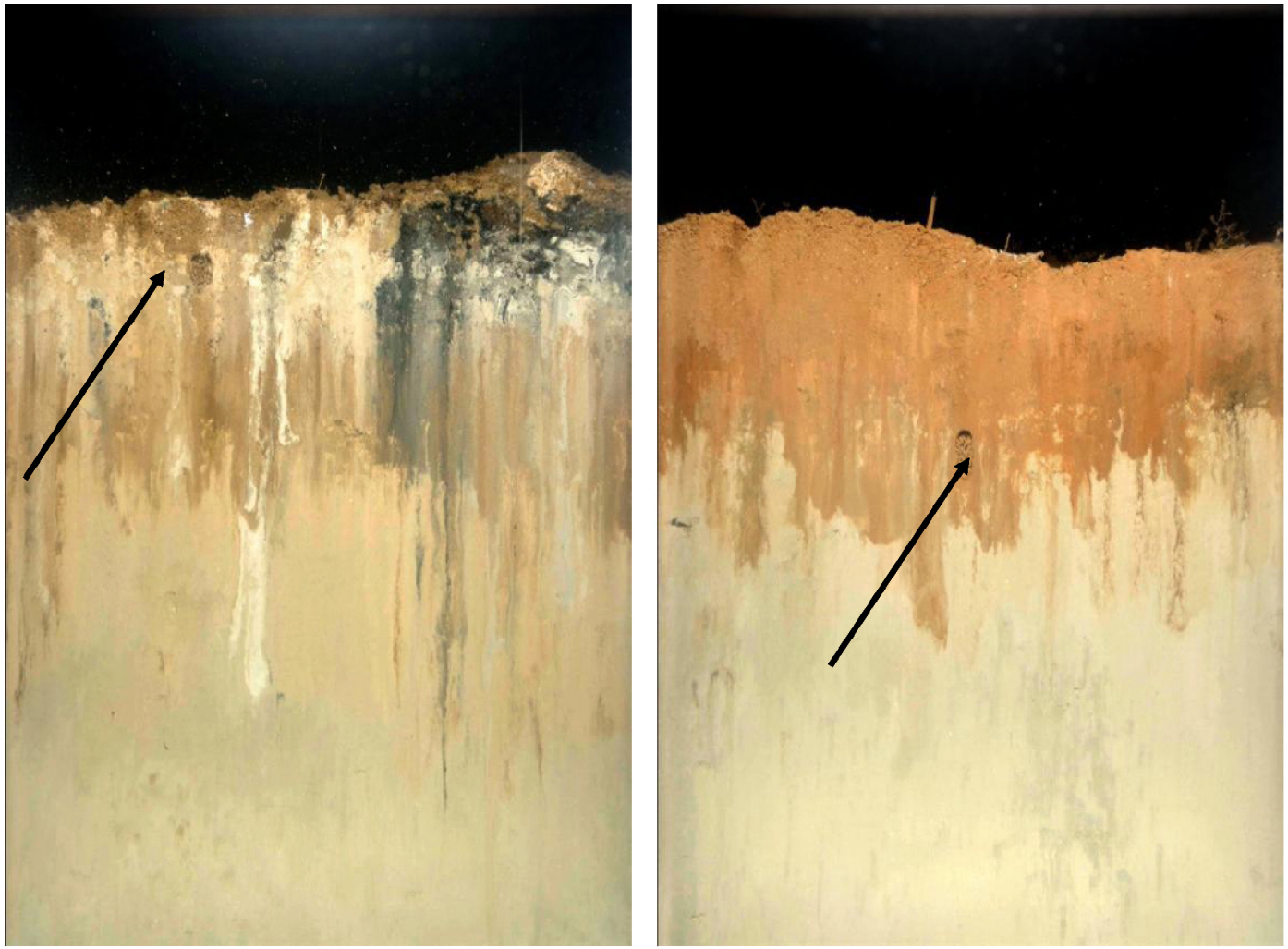

Figure 38 **Evidence (arrows) of Subsurface Deposit Feeders (Stage 3 taxa) in SPI images from Stations 000-700 (Left) and 180-2300 (Right)**

Notes: Evidence of subsurface deposit feeders was found at every station sampled in the April 2011 survey. Scale: width of each SPI image = 14.5 cm.

2.2.9 Bioturbation and Biological Mixing Depth

Spatial patterns for two different indicators of biological mixing depth were examined:

- The average feeding void depth (the average depth to which sedimentary particles are being actively mined by the subsurface deposit feeding taxa).
- The maximum bioturbation depth (the depth to which subsurface infauna would be found and to which surface particles could be advected by infaunal burrowing).

The average station depth of subsurface feeding voids ranged from 2.9 to 10.5 cm in the near-field (Figure 39) and 4.9 to 10.2 in the far-field (Figure 40). The overall site average feeding void depth was 6.8 cm in the near-field and 7.31 cm in the far-field. No distinct pattern or difference in average feeding void depth occurred among stations in the various radial transects or with distance from the wellhead (Figure 41).

The maximum bioturbation depth ranged from 11.2 to 20.7 cm in the near-field (Figure 42) and 15.1 to 21.4 cm in the far-field (Figure 43); as with feeding void depth, the values for this parameter were similar at all locations, with no distinct pattern or difference among stations in the various radial transects or with distance from the wellhead (Figure 44).

2.3 Plan View Image Analysis: Epifauna

A diverse range of foraging epifaunal macrofauna and fish were seen in the PV images (Appendix B); over 50 different types of invertebrates and 6 different species of fish were seen in the surface sediments, with notable variations in density for some of the more common invertebrates. Colonial foraminifera were quite common in both the SPI images (Figure 37) and the PV images at both near-field and far-field stations, but population density varied along the radial transects, with patches of very dense assemblages (thousands per square meter) occurring between 0.5 to 4 km away from the wellhead (Figure 45). Similar variations in population densities were seen with the small Elasipodid holothurians. These organisms were commonly found on the sediment surface throughout the near-field (Figure 46), and were present in lower densities in the far-field (Appendix B). No locations were sampled in April 2011 that could be classified as devoid of infauna or epifauna.

2.4 Preliminary Findings

Some preliminary findings can be inferred from the currently available data, subject to revision once additional information from the Leg 2 cruise is incorporated:

- Sediment grain size is fairly uniform throughout the entire region sampled; the locations sampled exist in low-energy, depositional environments dominated by fine-grained, silt-clay sediments.
- No evidence existed of small-scale surface boundary roughness elements caused by strong, nearbottom currents; the majority of small-scale topography consisted of biogenic structures either caused by epifaunal foraging or macrofaunal burrowing and feeding activities (Figure 47).

- Sediment shear strength varied slightly among the stations sampled, but there was no demonstrable difference among locations, regardless of proximity to the wellhead.
- No evidence existed of any areas of extensive anoxic sediments; a detectable aRPD was measured at each location. However, a definite gradient occurred in aRPD depths, with values decreasing within 1,100 m of the wellhead.
- Measureable, optically distinct surface depositional layers occurred within 1 to 2 km of the MC-252 wellhead (Layers 2 and 4). The reduced organic layer (Layer 2) was more prominent in the south-southwestern radial transects, while the thickest deposits of what appeared to be redeposited Pleistocene muds from top hole drilling (Layer 4) settled out in the northeastern direction from the wellhead along Transect 315. These patterns will be quantified and mapped in a more integrated fashion in the next report once the data from Leg 2 are incorporated with these Leg 1 results. Data from the 2011 BP AUV Abandonment survey will be examined and integrated into this analysis.
- Organically enriched surface sediment extends out no further than 1,300 m from the wellhead, as evidenced by the presence of surface thiophilic bacterial colonies.
- Nonsoluble liquid inclusions were seen in the upper depositional layers as far as 1,900 m from the wellhead in the northwestern direction. They were associated with the organically enriched Layer 2 and the recently deposited muds (Layer 4).
- A rich and diverse benthic community (both infauna and epifauna) exists throughout the entire area; even though the successional stage designation was uniform throughout the entire region sampled (with subsurface deposit feeders that are bioturbating the sediment well in excess of 15 cm throughout the entire site), there were definite taxonomic and population density gradients along the radial transects in response to the seafloor disturbance (Appendix B). No locations could be classified as depauperate or azoic; based on the high density of tubicolous fauna seen in many of the PV images (Appendix B), recolonization is well underway at locations closest to the wellhead, and the additional source of organic carbon appears to be enhancing secondary benthic production as one moves beyond 300 to 500 m from the wellhead.

A more comprehensive discussion and integration of results will be provided in the final report once the data from the SPI Leg 2 cruise are available.

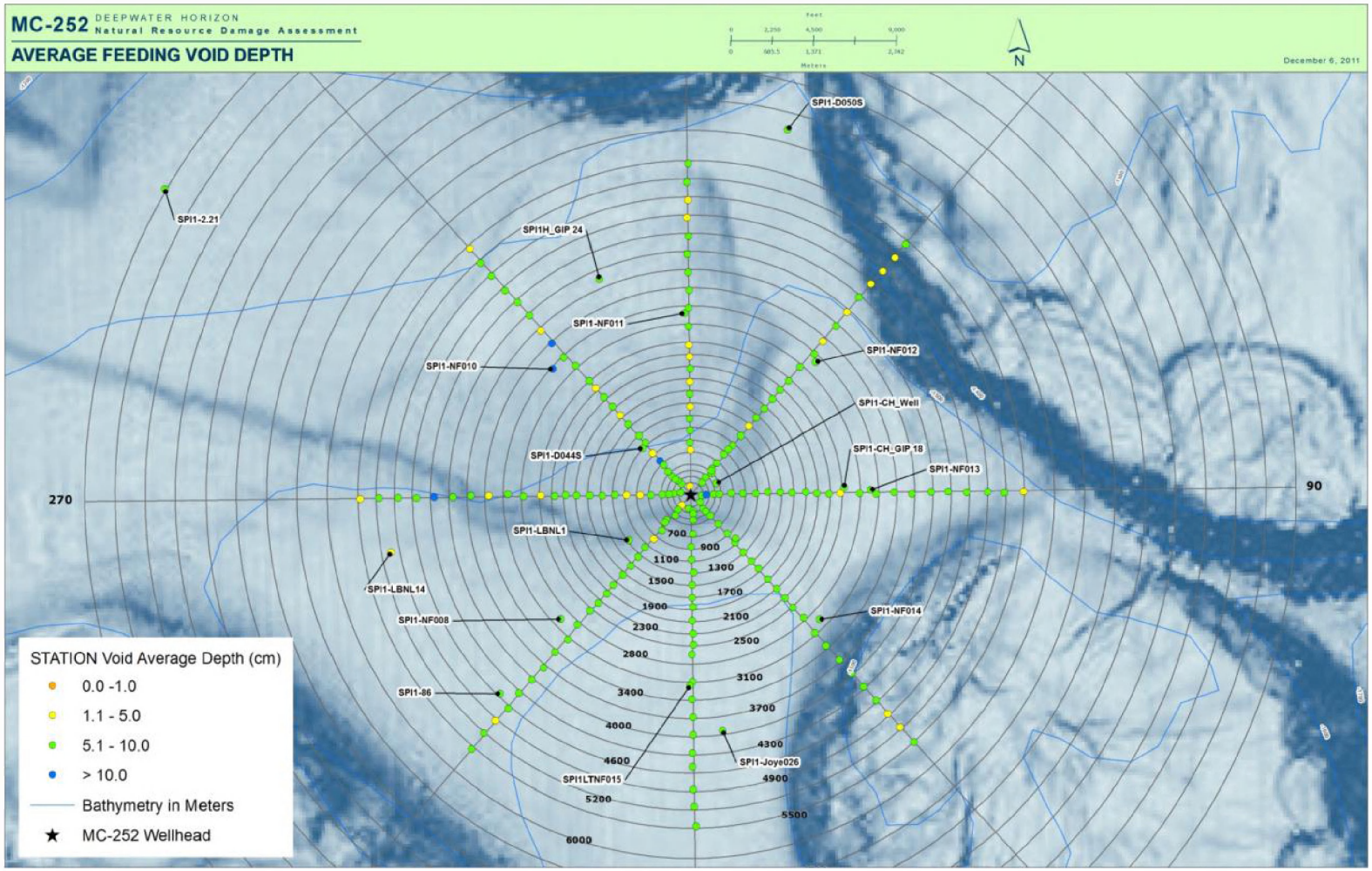

Figure 39 **Spatial Distribution of Average Station Feeding Void Depth (cm) at Near-Field Stations Sampled in April 2011**

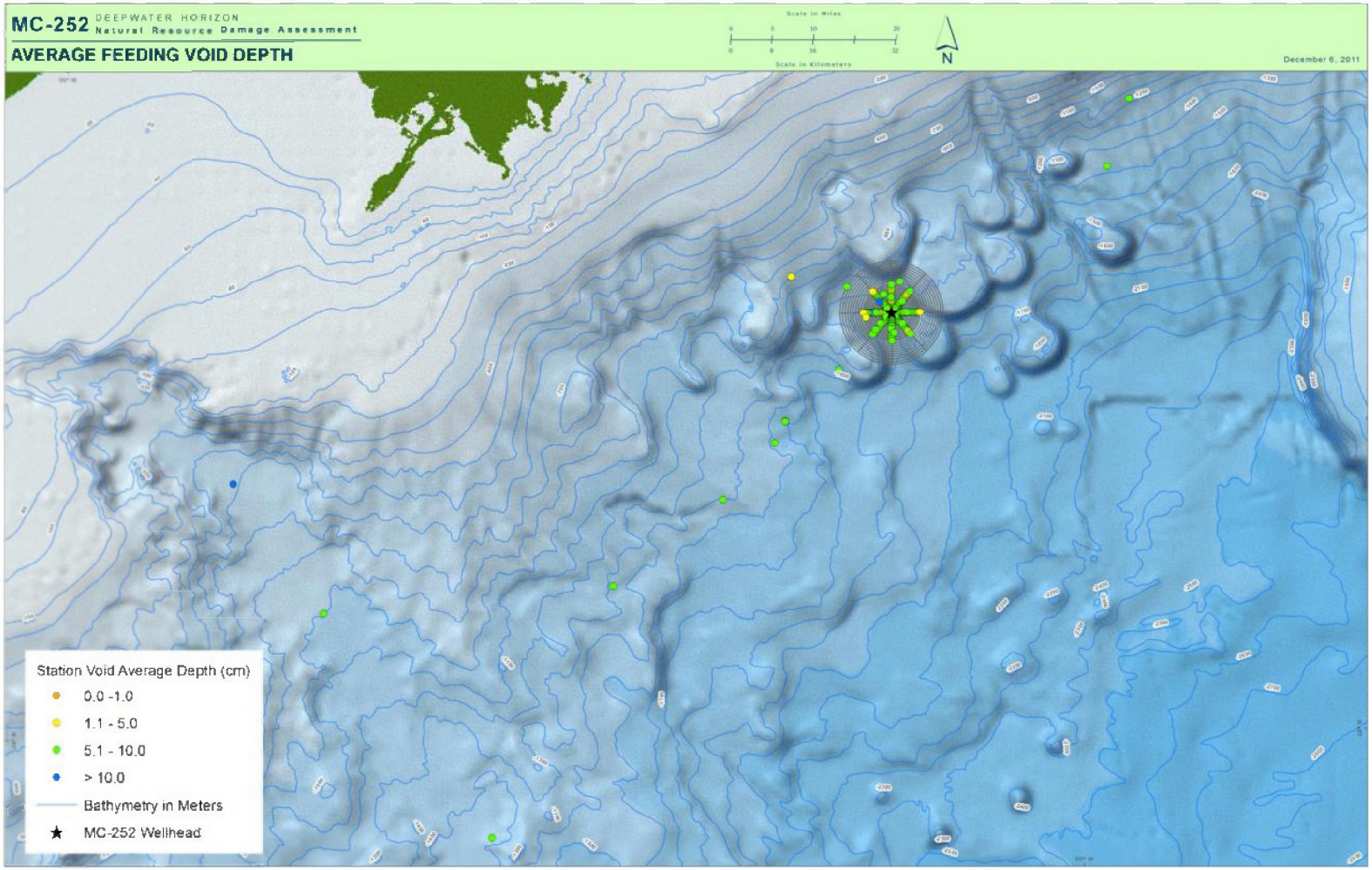

Figure 40 **Spatial Distribution of Average Station feeding Void Depth (cm) at Far-Field Stations Sampled in April 2011**

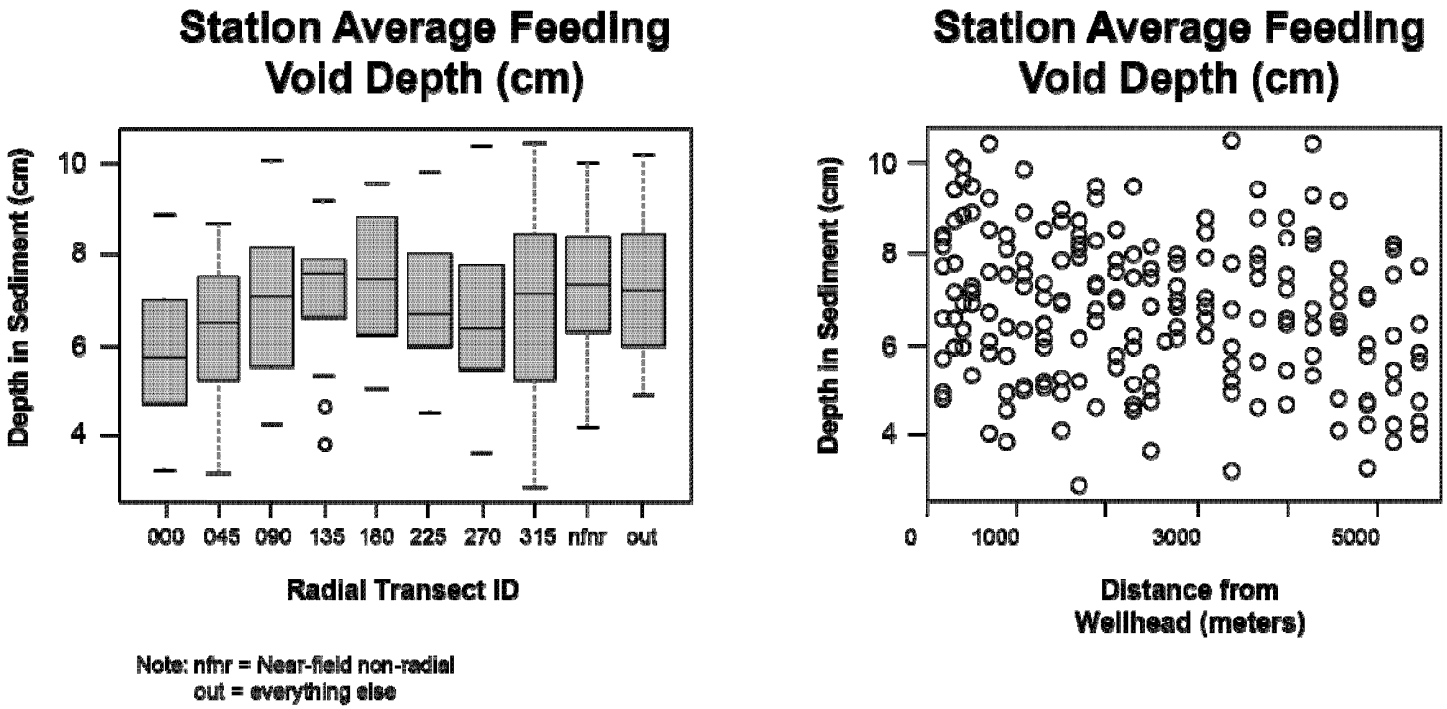

Figure 41 Distribution of Average Station Feeding Void Depth (cm) among Radial Transects and Non-Radial Stations Surveyed (Left) and by Distance from the Wellhead (Right, Radial Stations Only)

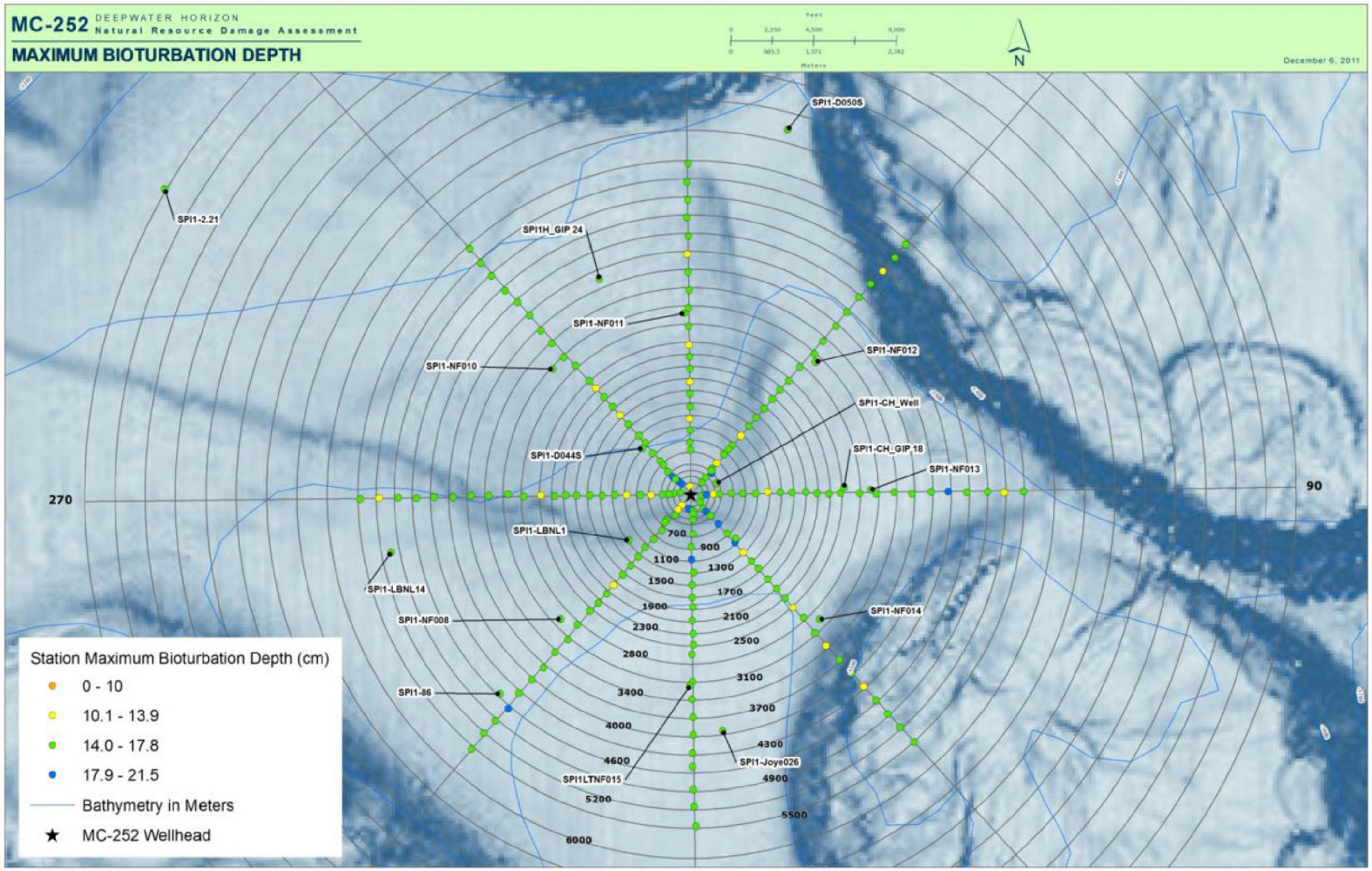

Figure 42 **Spatial Distribution of Station Maximum Bioturbation Depth (cm) at Near-Field stations Sampled in April 2011**

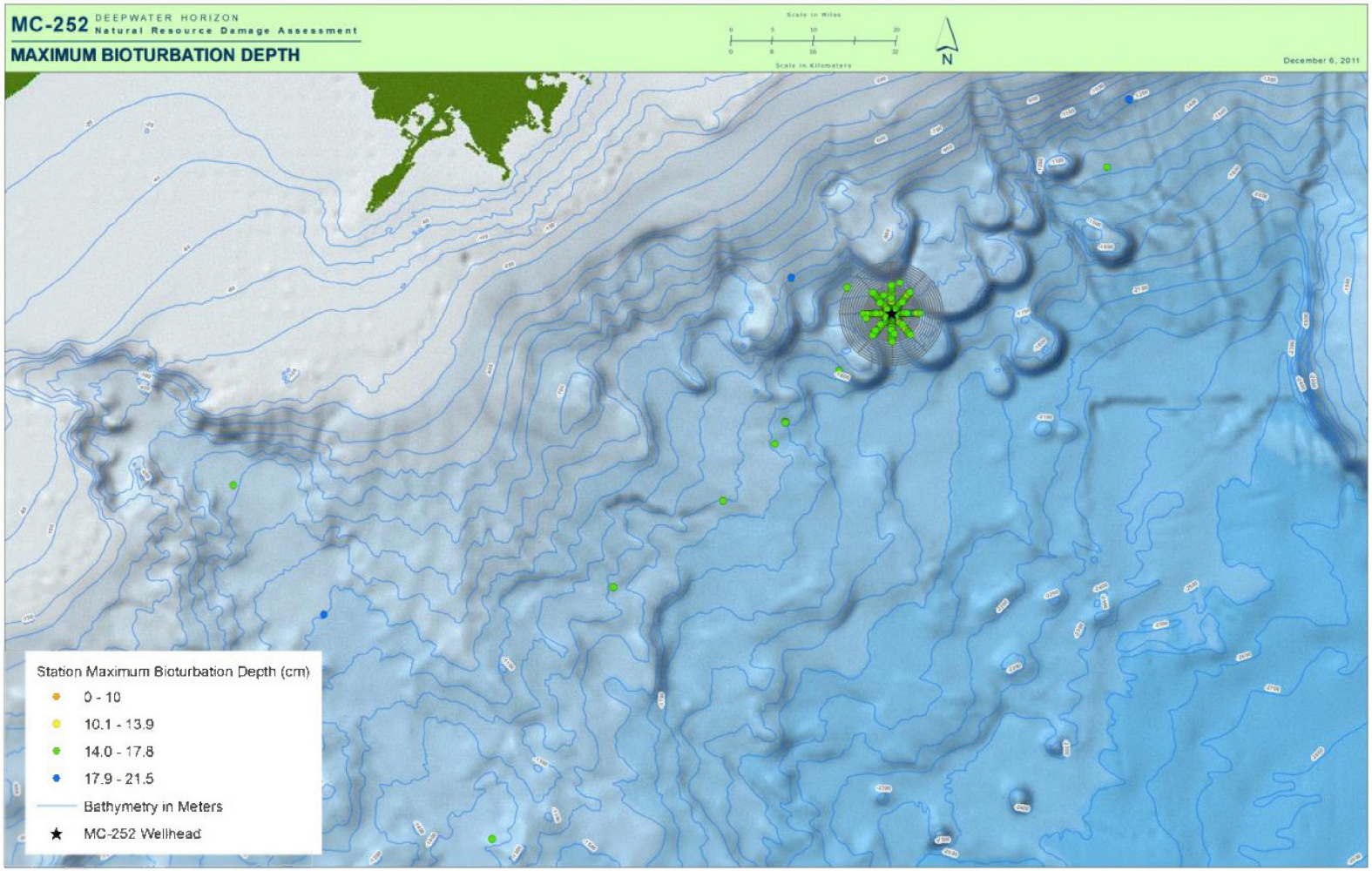

Figure 43 **Spatial Distribution of Station Maximum Bioturbation Depth (cm) at Far-Field Stations Sampled in April 2011**

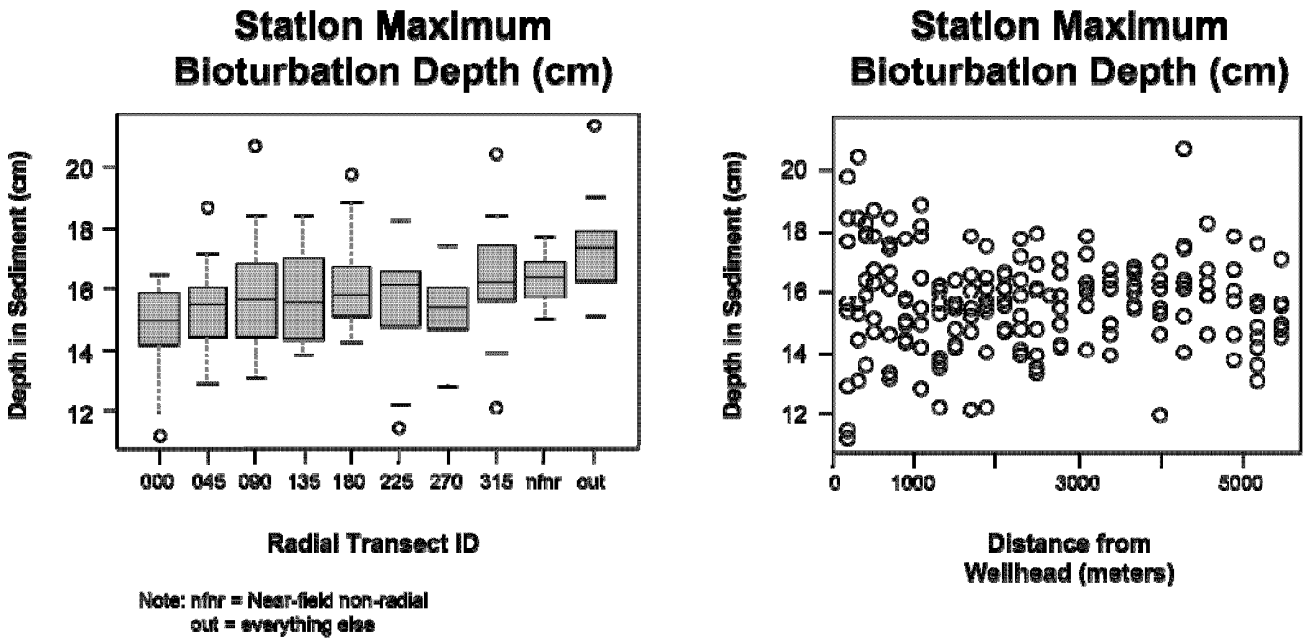

Figure 44 Distribution of Station Maximum Bioturbation Depth (cm) among Radial Transects and Non-Radial Stations Surveyed (Left) and by Distance from the Wellhead (Right, Radial Stations Only)

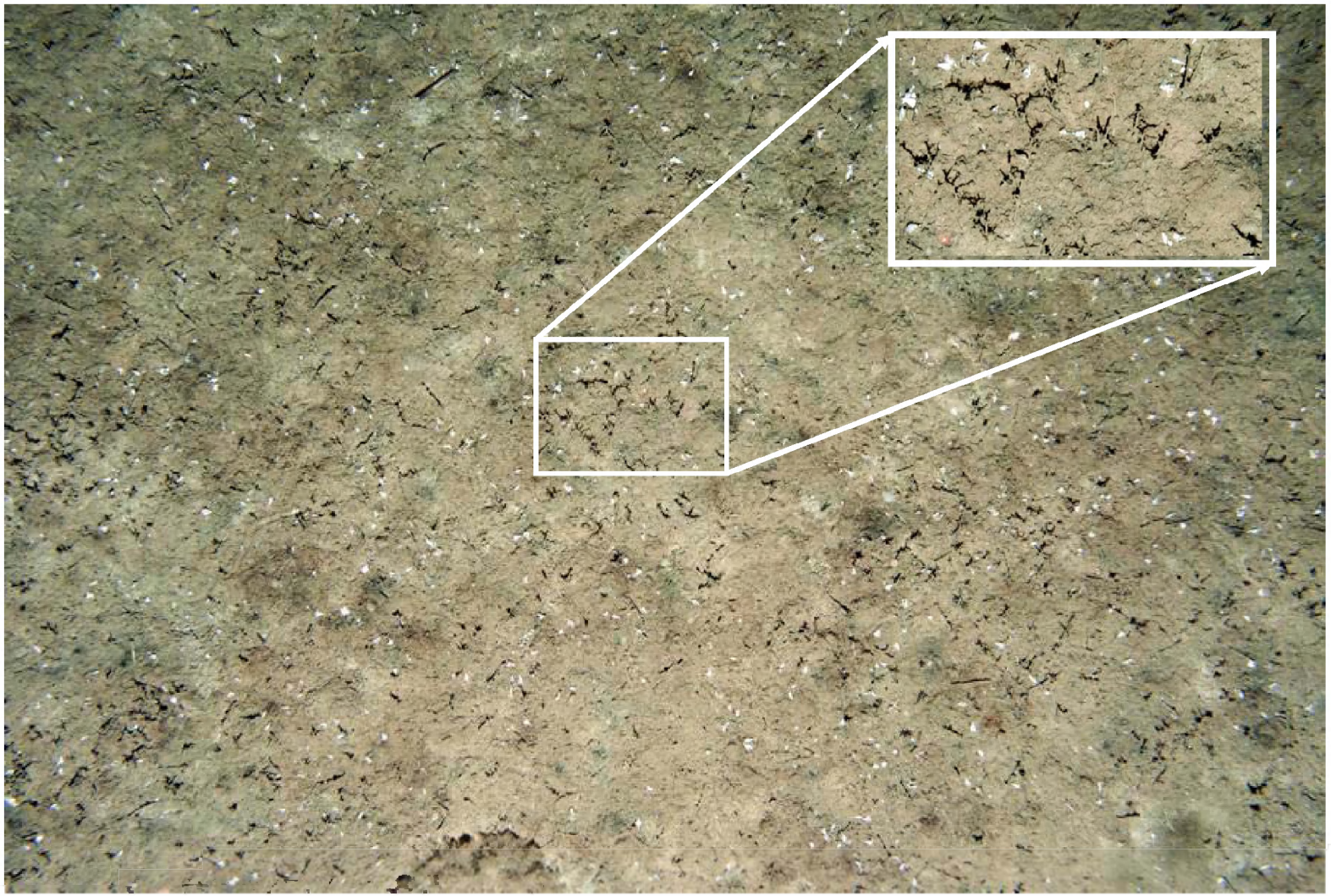

Figure 45 **Dendritic Colonial Forams shown in PV Image from Station 045-3700**

Notes: Relatively dense aggregations of dendritic colonial forams were present magnified inset image. Small white elements on the sediment surface are pteropod "wing" remnants. Scale: width of plan view image = 1.7 m.

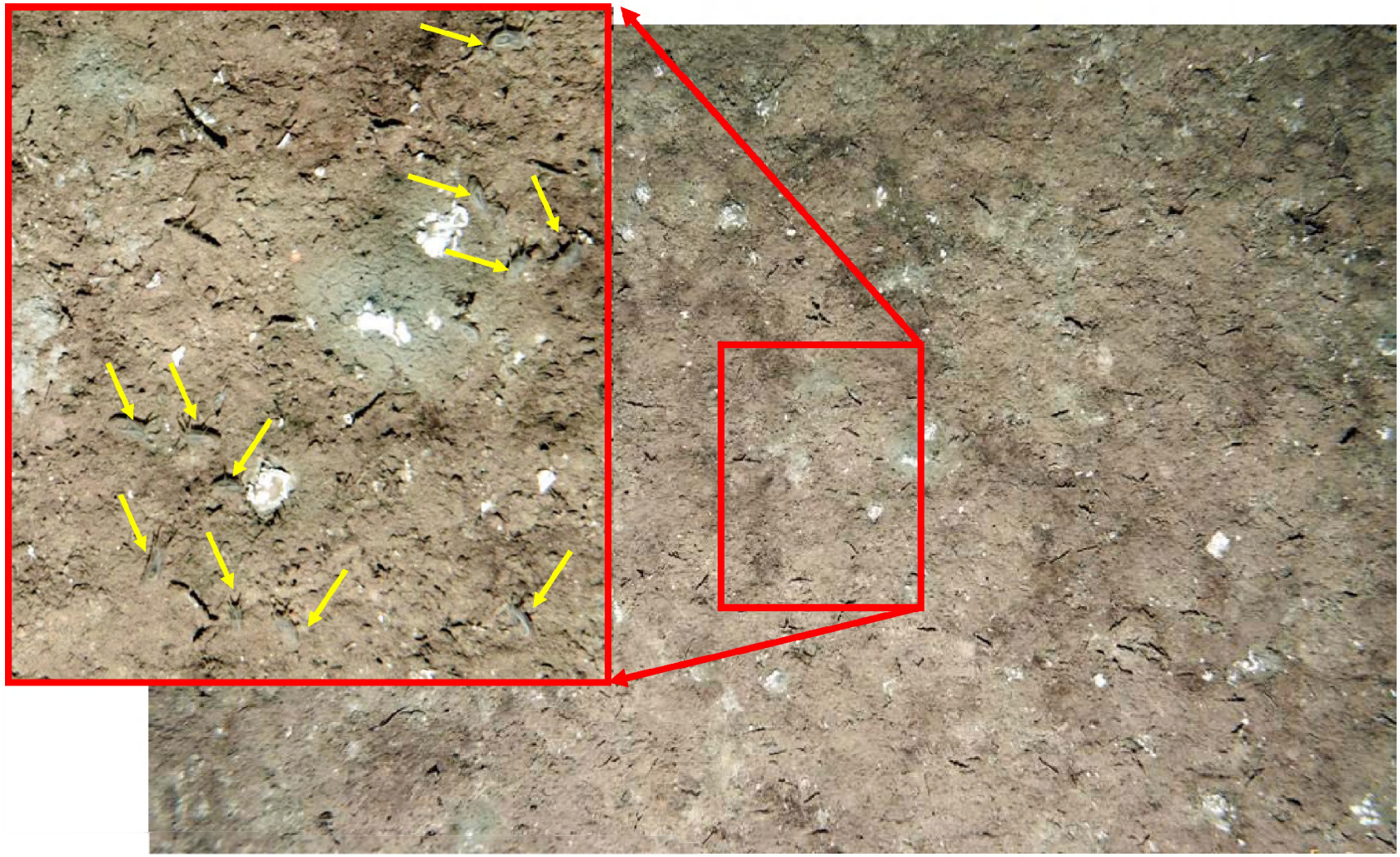

Figure 46 **PV Image from Station 270-1100.**

Notes: Relatively high densities of tiny holothurians (1- to 3-cm-long) were found foraging on the sediment surface and can be seen in the magnified inset along with pteropod wing remnants; the larger white patches are thiophilic bacterial colonies, most likely *Beggiatoa*. Scale: width of plan view image = 1.6 m.

Figure 47 **Small-Scale Biogenic Surface Topography shown in PV Image from Station FFMT4**

Notes: The mounds of reduced sediment seen around burrow openings in the PV image are caused by infaunal bioturbation. The small cloud of sediment in the bottom of the image is disturbance from the camera's trigger weight. Scale: width of plan view image = 3.1 m.

Chapter 3

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Appendix A

SPI Analysis Results

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STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-D062S	A	4/9/2011	4:00:02	1290	13.5	1	14.51	>4	2	>4	>4 to 2	256.63	17.68	16.89	18.27	1.38	Biological	40.44	2.79
SPI1-D062S	B	4/9/2011	4:02:45	1290	13.5	1	14.51	>4	2	>4	>4 to 2	238.59	16.44	15.90	17.54	1.65	Biological	37.68	2.60
SPI1-D062S	C	4/9/2011	4:04:38	1290	13.5	1	14.51	>4	2	>4	>4 to 2	234.63	16.17	15.41	16.99	1.57	Biological	40.09	2.76
SPI1-FF-MT4	A	4/8/2011	22:29:48	1385	13.5	1	14.51	>4	2	>4	>4 to 2	225.04	15.50	15.00	15.94	0.94	Biological	64.88	4.47
SPI1-FF-MT4	B	4/8/2011	22:34:14	1385	13.5	1	14.51	>4	2	>4	>4 to 2	214.58	14.78	11.32	18.15	6.83	Physical	Ind	Indeterminate
SPI1-FF-MT4	C	4/8/2011	22:37:56	1386	13.5	1	14.51	>4	2	>4	>4 to 2	242.58	16.71	16.43	17.13	0.70	Biological	78.19	5.39
SPI1-HiPro	A	4/9/2011	11:38:43	1557	13.5	1	14.51	>4	2	>4	>4 to 2	253.12	17.44	16.99	17.91	0.92	Biological	33.65	2.32
SPI1-HiPro	B	4/9/2011	11:44:59	1557	13.5	1	14.51	>4	2	>4	>4 to 2	263.87	18.18	17.79	18.71	0.92	Biological	45.04	3.10
SPI1-HiPro	C	4/9/2011	11:49:41	1557	13.5	1	14.51	>4	2	>4	>4 to 2	249.73	17.21	16.23	17.81	1.58	Biological	39.20	2.70
SPI-LBNL9	A	4/9/2011	9:26:18	1500	13.5	1	14.51	>4	2	>4	>4 to 2	187.68	12.93	11.22	14.01	2.79	Biological	40.39	2.78
SPI-LBNL9	B	4/9/2011	9:31:25	1500	13.5	1	14.51	>4	2	>4	>4 to 2	246.17	16.96	16.33	18.51	2.18	Biological	31.74	2.19
SPI-LBNL9	C	4/9/2011	9:36:08	1500	13.5	1	14.51	>4	2	>4	>4 to 2	235.25	16.21	15.17	16.96	1.79	Biological	34.11	2.35
SPI-LBNL10	A	4/9/2011	6:50:20	1387	13.5	1	14.51	>4	2	>4	>4 to 2	263.52	18.16	17.32	18.80	1.48	Biological	41.54	2.86
SPI-LBNL10	B	4/9/2011	6:55:17	1387	13.5	1	14.51	>4	2	>4	>4 to 2	242.26	16.69	15.70	17.16	1.45	Biological	54.53	3.76
SPI-LBNL10	C	4/9/2011	7:00:58	1387	13.5	1	14.51	>4	2	>4	>4 to 2	265.56	18.30	17.83	19.05	1.21	Biological	35.87	2.47
SPI1-180-200	A	4/9/2011	17:45:59	1522	13.5	1	14.51	>4	3	>4	>4 to 3	301.34	20.76	20.16	21.27	1.11	Biological	34.73	2.39
SPI1-180-200	B	4/9/2011	17:53:06	1522	13.5	1	14.51	>4	3	>4	>4 to 3	238.59	16.44	16.28	16.60	0.32	Biological	7.88	0.54
SPI1-180-200	C	4/9/2011	18:00:47	1522	13.5	1	14.51	>4	3	>4	>4 to 3	253.04	17.43	17.06	17.47	0.41	Biological	7.37	0.51
SPI1-180-300	A	4/9/2011	18:49:29	1522	13.5	1	14.51	>4	3	>4	>4 to 3	240.05	16.54	16.26	16.62	0.36	Biological	11.43	0.79
SPI1-180-300	B	4/9/2011	18:54:44	1522	13.5	1	14.51	>4	3	>4	>4 to 3	246.06	16.95	16.72	17.30	0.58	Biological	10.51	0.72
SPI1-180-300	C	4/9/2011	19:00:38	1522	13.5	1	14.51	>4	3	>4	>4 to 3	240.59	16.58	15.85	17.62	1.77	Biological	16.24	1.12
SPI1-180-400	A	4/9/2011	19:12:19	1526	13.5	1	14.51	>4	3	>4	>4 to 3	263.56	18.16	17.81	18.42	0.61	Biological	7.60	0.52
SPI1-180-400	B	4/9/2011	19:18:28	1527	13.5	1	14.51	>4	3	>4	>4 to 3	227.95	15.71	15.24	16.04	0.80	Biological	11.95	0.82
SPI1-180-400	C	4/9/2011	19:23:29	1529	13.5	1	14.51	>4	3	>4	>4 to 3	235.21	16.21	15.58	16.82	1.24	Biological	5.99	0.41
SPI1-180-500	A	4/9/2011	19:34:49	1534	13.5	1	14.51	>4	3	>4	>4 to 3	250.82	17.28	16.84	17.74	0.90	Physical	7.96	0.55
SPI1-180-500	B	4/9/2011	19:43:35	1538	13.5	1	14.51	>4	3	>4	>4 to 3	237.33	16.35	15.22	17.74	2.52	Physical	Ind	Indeterminate
SPI1-180-500	C	4/9/2011	19:50:21	1541	13.5	1	14.51	>4	3	>4	>4 to 3	255.03	17.57	16.36	19.26	2.91	Physical	9.13	0.63
SPI1-180-500	D	4/9/2011	19:56:28	1542	13.5	1	14.51	>4	3	>4	>4 to 3	266.09	18.33	17.42	19.19	1.77	Biological	10.49	0.72
SPI1-180-700	A	4/9/2011	20:17:15	1548	13.5	1	14.51	>4	3	>4	>4 to 3	243.32	16.76	16.45	17.20	0.75	Biological	10.75	0.74
SPI1-180-700	B	4/9/2011	20:26:13	1548	13.5	1	14.51	>4	3	>4	>4 to 3	247.50	17.05	16.79	17.42	0.63	Biological	11.02	0.76
SPI1-180-700	C	4/9/2011	20:32:21	1549	13.5	1	14.51	>4	3	>4	>4 to 3	250.11	17.23	16.89	17.54	0.65	Biological	10.14	0.70
SPI1-180-900	A	4/9/2011	21:34:34	1558	13.5	1	14.51	>4	3	>4	>4 to 3	245.86	16.94	16.70	17.35	0.65	Biological	22.21	1.53
SPI1-180-900	B	4/9/2011	21:42:39	1562	13.5	1	14.51	>4	3	>4	>4 to 3	244.66	16.86	16.40	17.42	1.02	Biological	21.11	1.45

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-180-900	C	4/9/2011	21:47:42	1563	13.5	1	14.51	>4	3	>4	>4 to 3	239.51	16.50	16.26	16.96	0.70	Biological	20.47	1.41
SPI1-180-1100	A	4/9/2011	22:19:26	1568	13.5	1	14.51	>4	3	>4	>4 to 3	210.32	14.49	14.20	14.90	0.70	Biological	25.59	1.76
SPI1-180-1100	B	4/9/2011	22:26:14	1568	13.5	1	14.51	>4	3	>4	>4 to 3	287.31	19.79	18.78	21.44	2.67	Biological	43.09	2.97
SPI1-180-1100	C	4/9/2011	22:32:40	1567	13.5	1	14.51	>4	3	>4	>4 to 3	227.55	15.68	15.36	16.11	0.75	Biological	38.16	2.63
SPI1-180-1300	A	4/9/2011	22:59:04	1573	13.5	1	14.51	>4	3	>4	>4 to 3	225.92	15.57	15.10	16.02	0.92	Biological	40.38	2.78
SPI1-180-1300	B	4/9/2011	23:04:49	1574	13.5	1	14.51	>4	3	>4	>4 to 3	240.29	16.56	15.63	17.42	1.79	Biological	41.08	2.83
SPI1-180-1300	C	4/9/2011	23:10:22	1574	13.5	1	14.51	>4	3	>4	>4 to 3	238.52	16.43	15.99	16.84	0.85	Biological	44.58	3.07
SPI1-180-1500	A	4/9/2011	23:41:37	1578	13.5	1	14.51	>4	3	>4	>4 to 3	224.14	15.44	14.66	16.16	1.50	Biological	36.97	2.55
SPI1-180-1500	B	4/10/2011	0:00:03	1578	13.5	1	14.51	>4	3	>4	>4 to 3	247.61	17.06	16.53	17.64	1.11	Biological	32.47	2.24
SPI1-180-1500	C	4/10/2011	0:07:16	1578	13.5	1	14.51	>4	3	>4	>4 to 3	242.93	16.74	16.11	17.01	0.90	Biological	40.24	2.77
SPI1-180-1700	A	4/10/2011	0:52:24	1581	13.5	1	14.51	>4	3	>4	>4 to 3	237.44	16.36	15.60	17.16	1.55	Biological	42.25	2.91
SPI1-180-1700	B	4/10/2011	0:59:27	1582	13.5	1	14.51	>4	3	>4	>4 to 3	237.54	16.37	15.87	16.82	0.95	Biological	41.55	2.86
SPI1-180-1700	C	4/10/2011	1:06:11	1582	13.5	1	14.51	>4	3	>4	>4 to 3	250.90	17.29	16.79	17.64	0.85	Biological	47.77	3.29
SPI1-180-1900	A	4/10/2011	1:41:45	1584	13.5	1	14.51	>4	3	>4	>4 to 3	241.01	16.61	15.82	17.23	1.41	Biological	48.85	3.37
SPI1-180-1900	B	4/10/2011	1:47:55	1584	13.5	1	14.51	>4	3	>4	>4 to 3	229.03	15.78	15.46	16.38	0.92	Biological	38.15	2.63
SPI1-180-1900	C	4/10/2011	1:54:37	1584	13.5	1	14.51	>4	3	>4	>4 to 3	243.21	16.76	16.21	17.35	1.14	Biological	45.05	3.10
SPI1-180-2100	A	4/10/2011	2:30:29	1586	13.5	1	14.51	>4	3	>4	>4 to 3	245.87	16.94	16.43	17.23	0.80	Biological	41.45	2.86
SPI1-180-2100	B	4/10/2011	2:36:53	1587	13.5	1	14.51	>4	3	>4	>4 to 3	235.98	16.26	15.73	16.55	0.82	Biological	44.43	3.06
SPI1-180-2100	C	4/10/2011	2:43:49	1587	13.5	1	14.51	>4	3	>4	>4 to 3	238.07	16.40	16.14	17.08	0.94	Biological	42.71	2.94
SPI1-180-2300	A	4/10/2011	4:35:54	1589	13.5	1	14.51	>4	3	>4	>4 to 3	256.07	17.64	17.20	18.17	0.97	Biological	36.33	2.50
SPI1-180-2300	B	4/10/2011	4:41:51	1589	13.5	1	14.51	>4	3	>4	>4 to 3	274.57	18.92	18.22	19.53	1.31	Biological	40.85	2.81
SPI1-180-2300	C	4/10/2011	4:47:51	1589	13.5	1	14.51	>4	3	>4	>4 to 3	236.93	16.32	15.70	17.03	1.33	Biological	51.96	3.58
SPI1-180-2500	A	4/10/2011	5:22:14	1590	13.5	1	14.51	>4	3	>4	>4 to 3	233.13	16.06	15.68	16.38	0.70	Biological	47.03	3.24
SPI1-180-2500	B	4/10/2011	5:29:00	1590	13.5	1	14.51	>4	3	>4	>4 to 3	233.11	16.06	15.77	16.62	0.85	Biological	45.18	3.11
SPI1-180-2500	C	4/10/2011	5:35:14	1591	13.5	1	14.51	>4	3	>4	>4 to 3	243.71	16.79	16.38	17.06	0.68	Biological	46.52	3.21
SPI1-180-2650	A	4/10/2011	6:01:36	1592	13.5	1	14.51	>4	3	>4	>4 to 3	258.63	17.82	17.40	18.51	1.11	Biological	43.81	3.02
SPI1-180-2650	B	4/10/2011	6:08:02	1592	13.5	1	14.51	>4	3	>4	>4 to 3	221.18	15.24	15.02	15.63	0.61	Biological	46.69	3.22
SPI1-180-2650	C	4/10/2011	6:14:21	1592	13.5	1	14.51	>4	3	>4	>4 to 3	231.48	15.95	15.70	16.21	0.51	Biological	47.92	3.30
SPI1-180-3100	A	4/10/2011	8:31:19	1596	13.5	1	14.51	>4	3	>4	>4 to 3	275.95	19.01	18.51	19.41	0.90	Biological	45.16	3.11
SPI1-180-3100	B	4/10/2011	8:38:22	1597	13.5	1	14.51	>4	3	>4	>4 to 3	243.66	16.79	16.38	17.08	0.70	Biological	37.23	2.56
SPI1-180-3100	C	4/10/2011	8:44:53	1597	13.5	1	14.51	>4	3	>4	>4 to 3	263.50	18.15	17.93	18.61	0.68	Biological	37.86	2.61
SPI1-180-3400	A	4/10/2011	9:28:49	1600	13.5	1	14.51	>4	3	>4	>4 to 3	239.13	16.48	15.22	17.20	1.99	Biological	52.18	3.60
SPI1-180-3400	B	4/10/2011	9:35:26	1600	13.5	1	14.51	>4	3	>4	>4 to 3	232.27	16.00	15.56	16.21	0.65	Biological	46.63	3.21
SPI1-180-3400	C	4/10/2011	9:41:15	1600	13.5	1	14.51	>4	3	>4	>4 to 3	173.12	11.93	11.65	12.67	1.02	Biological	54.33	3.74
SPI1-180-3700	A	4/10/2011	10:27:34	1603	13.5	1	14.51	>4	3	>4	>4 to 3	240.82	16.59	16.38	16.84	0.46	Biological	36.92	2.54
SPI1-180-3700	B	4/10/2011	10:33:20	1604	13.5	1	14.51	>4	3	>4	>4 to 3	237.90	16.39	15.87	17.20	1.33	Biological	42.39	2.92
SPI1-180-3700	C	4/10/2011	10:39:29	1604	13.5	1	14.51	>4	3	>4	>4 to 3	256.46	17.67	17.25	18.05	0.80	Biological	51.79	3.57
SPI1-180-4000	A	4/10/2011	11:07:12	1608	13.5	1	14.51	>4	3	>4	>4 to 3	237.48	16.36	16.02	16.45	0.44	Biological	41.44	2.86
SPI1-180-4000	B	4/10/2011	11:15:13	1608	13.5	1	14.51	>4	3	>4	>4 to 3	224.10	15.44	14.64	16.11	1.48	Biological	51.57	3.55
SPI1-180-4000	C	4/10/2011	11:21:29	1609	13.5	1	14.51	>4	3	>4	>4 to 3	246.03	16.95	16.21	17.49	1.28	Biological	60.97	4.20
SPI1-180-4300	A	4/10/2011	11:55:01	1611	13.5	1	14.51	>4	3	>4	>4 to 3	235.86	16.25	15.63	17.35	1.72	Biological	46.92	3.23
SPI1-180-4300	B	4/10/2011	12:00:42	1610	13.5	1	14.51	>4	3	>4	>4 to 3	227.99	15.71	15.24	16.36	1.11	Biological	47.09	3.24
SPI1-180-4300	C	4/10/2011	12:14:29	1612	13.5	1	14.51	>4	3	>4	>4 to 3	265.64	18.30	18.10	18.59	0.48	Biological	26.65	1.84
SPI1-180-4600	A	4/10/2011	12:39:02	1616	13.5	1	14.51	>4	3	>4	>4 to 3	249.69	17.20	16.62	17.69	1.07	Biological	40.93	2.82
SPI1-180-4600	B	4/10/2011	12:48:31	1618	13.5	1	14.51	>4	3	>4	>4 to 3	247.10	17.02	16.31	17.71	1.41	Biological	44.99	3.10
SPI1-180-4600	C	4/10/2011	12:54:48	1616	13.5	1	14.51	>4	3	>4	>4 to 3	233.97	16.12	15.58	16.77	1.19	Biological	41.90	2.89
SPI1-180-4900	A	4/10/2011	13:24:32	1621	13.5	1	14.51	>4	3	>4	>4 to 3	259.77	17.90	17.11	18.54	1.43	Biological	49.07	3.38

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-180-4900	B	4/10/2011	13:30:17	1622	13.5	1	14.51	>4	3	>4	>4 to 3	204.57	14.09	13.45	14.73	1.28	Biological	57.19	3.94
SPI1-180-4900	C	4/10/2011	13:36:03	1621	13.5	1	14.51	>4	3	>4	>4 to 3	275.06	18.95	17.79	20.77	2.98	Biological	52.88	3.64
SPI1-180-5200	A	4/10/2011	14:08:37	1625	13.5	1	14.51	>4	3	>4	>4 to 3	244.58	16.85	16.45	17.23	0.78	Biological	45.28	3.12
SPI1-180-5200	B	4/10/2011	14:13:32	1625	13.5	1	14.51	>4	3	>4	>4 to 3	250.43	17.25	16.99	17.86	0.87	Biological	51.15	3.52
SPI1-180-5200	C	4/10/2011	14:17:52	1626	13.5	1	14.51	>4	3	>4	>4 to 3	247.74	17.07	15.70	18.22	2.52	Biological	55.61	3.83
SPI1-180-5500	A	4/10/2011	14:53:34	1628	13.5	1	14.51	>4	3	>4	>4 to 3	230.70	15.90	15.44	16.28	0.85	Biological	58.40	4.02
SPI1-180-5500	B	4/10/2011	14:59:19	1628	13.5	1	14.51	>4	3	>4	>4 to 3	287.38	19.80	19.02	20.23	1.21	Biological	47.18	3.25
SPI1-180-5500	C	4/10/2011	15:04:01	1628	13.5	1	14.51	>4	3	>4	>4 to 3	226.89	15.63	15.39	15.85	0.46	Biological	49.55	3.41
SPI1-090-200	A	4/11/2011	14:40:47	1517	13.5	1	14.51	>4	3	>4	>4 to 3	229.38	15.80	15.27	16.33	1.07	Physical	2.55	0.18
SPI1-090-200	B	4/11/2011	14:46:01	1517	13.5	1	14.51	>4	3	>4	>4 to 3	246.62	16.99	16.50	17.32	0.82	Biological	Ind	Indeterminate
SPI1-090-200	C	4/11/2011	14:51:57	1518	13.5	1	14.51	>4	3	>4	>4 to 3	223.18	15.38	15.17	15.60	0.44	Biological	4.28	0.29
SPI1-090-300	A	4/11/2011	15:01:32	1520	13.5	1	14.51	>4	3	>4	>4 to 3	261.28	18.00	17.30	18.54	1.24	Biological	6.38	0.44
SPI1-090-300	B	4/11/2011	15:07:13	1521	13.5	1	14.51	>4	3	>4	>4 to 3	214.19	14.76	13.04	15.48	2.45	Biological	7.67	0.53
SPI1-090-300	C	4/11/2011	15:16:56	1522	13.5	1	14.51	>4	3	>4	>4 to 3	247.10	17.02	16.06	17.74	1.67	Physical	23.94	1.65
SPI1-090-400	A	4/11/2011	15:24:13	1523	13.5	1	14.51	>4	3	>4	>4 to 3	246.04	16.95	16.57	17.32	0.75	Biological	6.63	0.46
SPI1-090-400	B	4/11/2011	15:30:31	1523	13.5	1	14.51	>4	3	>4	>4 to 3	196.64	13.55	12.75	16.36	3.61	Physical	4.28	0.29
SPI1-090-400	C	4/11/2011	15:36:02	1524	13.5	1	14.51	>4	3	>4	>4 to 3	252.60	17.40	17.16	17.59	0.44	Biological	5.05	0.35
SPI1-090-500	A	4/11/2011	15:43:31	1525	13.5	1	14.51	>4	3	>4	>4 to 3	248.13	17.10	16.48	17.45	0.97	Biological	7.51	0.52
SPI1-090-500	B	4/11/2011	15:49:36	1529	13.5	1	14.51	>4	3	>4	>4 to 3	232.93	16.05	15.22	16.60	1.38	Physical	Ind	Indeterminate
SPI1-090-500	C	4/11/2011	15:54:40	1526	13.5	1	14.51	>4	3	>4	>4 to 3	253.26	17.45	17.01	17.98	0.97	Biological	10.26	0.71
SPI1-090-700	A	4/11/2011	16:14:50	1532	13.5	1	14.51	>4	3	>4	>4 to 3	232.44	16.01	15.68	16.38	0.70	Biological	8.26	0.57
SPI1-090-700	B	4/11/2011	16:20:28	1533	13.5	1	14.51	>4	3	>4	>4 to 3	238.77	16.45	16.06	17.01	0.95	Biological	28.19	1.94
SPI1-090-700	C	4/11/2011	16:24:49	1533	13.5	1	14.51	>4	3	>4	>4 to 3	269.22	18.55	18.22	19.07	0.85	Biological	12.27	0.85
SPI1-090-900	A	4/11/2011	16:45:55	1540	13.5	1	14.51	>4	3	>4	>4 to 3	262.30	18.07	17.93	18.29	0.36	Biological	12.76	0.88
SPI1-090-900	B	4/11/2011	16:51:32	1541	13.5	1	14.51	>4	3	>4	>4 to 3	251.63	17.34	17.06	17.52	0.46	Biological	9.28	0.64
SPI1-090-900	C	4/11/2011	16:57:23	1543	13.5	1	14.51	>4	3	>4	>4 to 3	256.39	17.66	17.03	18.46	1.43	Biological	12.94	0.89
SPI1-090-1100	A	4/11/2011	17:18:40	1547	13.5	1	14.51	>4	3	>4	>4 to 3	250.01	17.23	16.91	17.62	0.70	Biological	26.91	1.85
SPI1-090-1100	B	4/11/2011	17:24:43	1547	13.5	1	14.51	>4	3	>4	>4 to 3	261.18	17.99	17.54	18.85	1.31	Biological	27.31	1.88
SPI1-090-1100	C	4/11/2011	17:30:13	1548	13.5	1	14.51	>4	3	>4	>4 to 3	246.96	17.01	16.62	17.62	0.99	Biological	40.84	2.81
SPI1-090-1300	A	4/11/2011	17:49:57	1549	13.5	1	14.51	>4	3	>4	>4 to 3	252.56	17.40	16.82	18.71	1.89	Biological	64.00	4.41
SPI1-090-1300	B	4/11/2011	17:54:45	1549	13.5	1	14.51	>4	3	>4	>4 to 3	248.19	17.10	16.60	17.93	1.33	Biological	34.31	2.36
SPI1-090-1300	C	4/11/2011	17:59:59	1549	13.5	1	14.51	>4	3	>4	>4 to 3	153.25	10.56	9.64	11.07	1.43	Biological	48.36	3.33
SPI1-090-1500	A	4/11/2011	18:20:43	1552	13.5	1	14.51	>4	3	>4	>4 to 3	221.88	15.29	14.61	15.70	1.09	Biological	41.75	2.88

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-090-1500	B	4/11/2011	18:25:35	1552	13.5	1	14.51	>4	3	>4	>4 to 3	236.82	16.32	15.99	16.53	0.53	Biological	36.69	2.53
SPI1-090-1500	C	4/11/2011	18:30:36	1551	13.5	1	14.51	>4	3	>4	>4 to 3	250.57	17.26	16.50	18.25	1.74	Biological	34.09	2.35
SPI1-090-1700	A	4/11/2011	18:48:17	1552	13.5	1	14.51	>4	3	>4	>4 to 3	244.22	16.83	16.53	17.06	0.53	Biological	29.20	2.01
SPI1-090-1700	B	4/11/2011	18:53:07	1551	13.5	1	14.51	>4	3	>4	>4 to 3	243.60	16.78	16.14	17.20	1.07	Biological	36.38	2.51
SPI1-090-1700	C	4/11/2011	18:58:05	1552	13.5	1	14.51	>4	3	>4	>4 to 3	230.84	15.90	15.51	16.55	1.04	Biological	40.07	2.76
SPI1-090-1900	A	4/11/2011	20:13:52	1551	13.5	1	14.51	>4	3	>4	>4 to 3	252.59	17.40	16.67	18.00	1.33	Biological	37.01	2.55
SPI1-090-1900	B	4/11/2011	20:20:45	1551	13.5	1	14.51	>4	3	>4	>4 to 3	246.83	17.01	16.60	17.47	0.87	Biological	35.30	2.43
SPI1-090-1900	C	4/11/2011	20:26:18	1552	13.5	1	14.51	>4	3	>4	>4 to 3	217.65	15.00	14.64	15.36	0.73	Biological	39.88	2.75
SPI1-090-2100	A	4/11/2011	20:51:53	1553	13.5	1	14.51	>4	3	>4	>4 to 3	221.98	15.29	14.66	15.70	1.04	Biological	34.82	2.40
SPI1-090-2100	B	4/11/2011	20:57:42	1553	13.5	1	14.51	>4	3	>4	>4 to 3	248.39	17.11	17.03	17.42	0.39	Biological	34.61	2.38
SPI1-090-2100	C	4/11/2011	21:04:41	1553	13.5	1	14.51	>4	3	>4	>4 to 3	229.86	15.84	13.42	17.83	4.41	Biological	35.36	2.44
SPI1-090-2300	A	4/11/2011	21:26:23	1554	13.5	1	14.51	>4	3	>4	>4 to 3	229.16	15.79	15.14	16.31	1.16	Biological	34.70	2.39
SPI1-090-2300	B	4/11/2011	21:31:09	1554	13.5	1	14.51	>4	3	>4	>4 to 3	228.29	15.73	15.19	16.38	1.19	Biological	38.29	2.64
SPI1-090-2300	C	4/11/2011	21:36:00	1553	13.5	1	14.51	>4	3	>4	>4 to 3	203.45	14.02	13.64	14.56	0.92	Biological	35.41	2.44
SPI1-090-2500	A	4/11/2011	21:59:29	1553	13.5	1	14.51	>4	3	>4	>4 to 3	244.69	16.86	16.55	17.20	0.65	Biological	38.67	2.66
SPI1-090-2500	B	4/11/2011	22:03:57	1552	13.5	1	14.51	>4	3	>4	>4 to 3	246.77	17.00	16.50	17.30	0.80	Biological	37.40	2.58
SPI1-090-2500	C	4/11/2011	22:08:34	1552	13.5	1	14.51	>4	3	>4	>4 to 3	192.91	13.29	12.58	15.07	2.50	Biological	33.45	2.30
SPI1-090-2800	A	4/11/2011	22:45:53	1551	13.5	1	14.51	>4	3	>4	>4 to 3	218.44	15.05	14.66	15.68	1.02	Biological	43.16	2.97
SPI1-090-2800	B	4/11/2011	22:50:53	1551	13.5	1	14.51	>4	3	>4	>4 to 3	245.93	16.94	16.19	17.40	1.21	Biological	39.24	2.70
SPI1-090-2800	C	4/11/2011	22:56:00	1550	13.5	1	14.51	>4	3	>4	>4 to 3	275.83	19.00	18.58	19.29	0.70	Biological	41.67	2.87
SPI1-090-3100	A	4/11/2011	23:32:25	1549	13.5	1	14.51	>4	3	>4	>4 to 3	243.75	16.79	15.99	17.25	1.26	Biological	37.75	2.60
SPI1-090-3100	B	4/11/2011	23:38:14	1549	13.5	1	14.51	>4	3	>4	>4 to 3	254.36	17.52	17.16	18.37	1.21	Biological	45.01	3.10
SPI1-090-3100	C	4/11/2011	23:43:55	1549	13.5	1	14.51	>4	3	>4	>4 to 3	263.26	18.14	17.79	18.71	0.92	Biological	40.55	2.79
SPI1-090-3400	A	4/12/2011	0:22:52	1548	13.5	1	14.51	>4	3	>4	>4 to 3	243.09	16.75	16.14	17.40	1.26	Biological	47.72	3.29
SPI1-090-3400	B	4/12/2011	0:30:05	1548	13.5	1	14.51	>4	3	>4	>4 to 3	248.51	17.12	16.79	17.74	0.94	Biological	41.98	2.89
SPI1-090-3400	C	4/12/2011	0:36:00	1548	13.5	1	14.51	>4	3	>4	>4 to 3	233.82	16.11	15.70	16.89	1.19	Biological	43.11	2.97
SPI1-090-3700	A	4/12/2011	1:14:28	1544	13.5	1	14.51	>4	3	>4	>4 to 3	234.36	16.15	15.65	16.36	0.70	Biological	43.80	3.02
SPI1-090-3700	B	4/12/2011	1:20:27	1544	13.5	1	14.51	>4	3	>4	>4 to 3	242.84	16.73	16.31	17.08	0.78	Biological	39.69	2.73
SPI1-090-3700	C	4/12/2011	1:26:33	1544	13.5	1	14.51	>4	3	>4	>4 to 3	247.75	17.07	16.50	17.91	1.41	Biological	49.20	3.39
SPI1-090-4000	A	4/12/2011	2:11:13	1541	13.5	1	14.51	>4	3	>4	>4 to 3	228.02	15.71	14.54	16.74	2.20	Biological	45.43	3.13
SPI1-090-4000	B	4/12/2011	2:19:35	1540	13.5	1	14.51	>4	3	>4	>4 to 3	230.48	15.88	14.13	17.57	3.44	Biological	41.15	2.84
SPI1-090-4000	C	4/12/2011	2:26:33	1539	13.5	1	14.51	>4	3	>4	>4 to 3	220.52	15.19	14.68	15.99	1.31	Biological	37.86	2.61
SPI1-090-4300	A	4/12/2011	3:11:02	1535	13.5	1	14.51	>4	3	>4	>4 to 3	246.87	17.01	16.91	17.49	0.58	Biological	47.14	3.25
SPI1-090-4300	B	4/12/2011	3:18:53	1535	13.5	1	14.51	>4	3	>4	>4 to 3	255.46	17.60	16.65	18.51	1.87	Biological	41.87	2.89
SPI1-090-4300	C	4/12/2011	3:25:53	1535	13.5	1	14.51	>4	3	>4	>4 to 3	315.37	21.73	21.69	21.69	0.00	Ind	Ind	Indeterminate
SPI1-090-4600	A	4/12/2011	4:13:45	1530	13.5	1	14.51	>4	3	>4	>4 to 3	237.65	16.37	16.02	16.96	0.95	Biological	49.70	3.42
SPI1-090-4600	B	4/12/2011	4:20:15	1530	13.5	1	14.51	>4	3	>4	>4 to 3	206.41	14.22	13.42	15.94	2.52	Biological	45.42	3.13
SPI1-090-4600	C	4/12/2011	4:27:51	1530	13.5	1	14.51	>4	3	>4	>4 to 3	243.33	16.76	16.40	17.13	0.73	Biological	43.20	2.98
SPI1-090-4900	A	4/21/2011	6:17:24	1534	13.5	1	14.51	>4	2	>4	>4 to 2	249.76	17.21	16.45	17.88	1.43	Biological	36.30	2.50
SPI1-090-4900	B	4/21/2011	6:23:11	1533	13.5	1	14.51	>4	2	>4	>4 to 2	204.57	14.09	13.74	15.12	1.38	Biological	38.24	2.63
SPI1-090-4900	C	4/21/2011	6:29:08	1534	13.5	1	14.51	>4	2	>4	>4 to 2	227.32	15.66	15.20	16.16	0.97	Biological	42.93	2.96
SPI1-090-5200	A	4/21/2011	7:11:13	1525	13.5	1	14.51	>4	2	>4	>4 to 2	220.74	15.21	14.25	16.19	1.94	Biological	42.55	2.93
SPI1-090-5200	B	4/21/2011	7:19:08	1523	13.5	1	14.51	>4	2	>4	>4 to 2	269.99	18.60	17.52	20.06	2.54	Physical	47.62	3.28
SPI1-090-5200	C	4/21/2011	7:25:12	1524	13.5	1	14.51	>4	2	>4	>4 to 2	226.92	15.63	15.07	16.21	1.14	Biological	39.95	2.75
SPI1-090-5500	A	4/21/2011	8:07:03	1517	13.5	1	14.51	>4	2	>4	>4 to 2	201.41	13.88	11.36	17.18	5.82	Biological	28.11	1.94
SPI1-090-5500	B	4/21/2011	8:12:44	1515	13.5	1	14.51	>4	2	>4	>4 to 2	248.90	17.15	16.55	17.54	0.99	Biological	44.87	3.09
SPI1-090-5500	C	4/21/2011	8:18:44	1514	13.5	1	14.51	>4	2	>4	>4 to 2	240.89	16.60	16.21	17.35	1.14	Biological	46.22	3.18

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-135-200	A	4/10/2011	17:00:01	1522	13.5	1	14.51	>4	3	>4	>4 to 3	245.76	16.93	16.48	16.96	0.48	Biological	7.48	0.52
SPI1-135-200	B	4/10/2011	17:10:11	1522	13.5	1	14.51	>4	3	>4	>4 to 3	263.01	18.12	17.74	18.32	0.58	Biological	8.10	0.56
SPI1-135-200	C	4/10/2011	17:16:19	1522	13.5	1	14.51	>4	3	>4	>4 to 3	264.47	18.22	17.64	18.73	1.09	Biological	9.34	0.64
SPI1-135-300	A	4/10/2011	17:35:08	1529	13.5	1	14.51	>4	3	>4	>4 to 3	240.66	16.58	16.02	16.99	0.97	Biological	13.76	0.95
SPI1-135-300	B	4/10/2011	17:40:17	1529	13.5	1	14.51	>4	3	>4	>4 to 3	248.17	17.10	15.77	17.71	1.94	Biological	29.97	2.06
SPI1-135-300	C	4/10/2011	17:45:57	1530	13.5	1	14.51	>4	3	>4	>4 to 3	256.67	17.68	17.33	17.95	0.63	Biological	17.72	1.22
SPI1-135-400	A	4/10/2011	17:54:28	1533	13.5	1	14.51	>4	3	>4	>4 to 3	241.73	16.65	16.02	17.35	1.33	Biological	15.11	1.04
SPI1-135-400	B	4/10/2011	18:02:20	1535	13.5	1	14.51	>4	3	>4	>4 to 3	266.58	18.37	18.00	18.73	0.73	Biological	10.91	0.75
SPI1-135-400	C	4/10/2011	18:08:31	1537	13.5	1	14.51	>4	3	>4	>4 to 3	253.31	17.45	17.08	17.91	0.82	Biological	11.21	0.77
SPI1-135-500	A	4/10/2011	18:18:15	1541	13.5	1	14.51	>4	3	>4	>4 to 3	250.42	17.25	16.94	17.52	0.58	Biological	12.66	0.87
SPI1-135-500	B	4/10/2011	18:23:53	1543	13.5	1	14.51	>4	3	>4	>4 to 3	219.88	15.15	12.84	15.99	3.15	Biological	13.60	0.94
SPI1-135-500	C	4/10/2011	18:29:04	1545	13.5	1	14.51	>4	3	>4	>4 to 3	270.12	18.61	18.32	18.88	0.56	Biological	12.57	0.87
SPI1-135-700	A	4/10/2011	18:50:35	1553	13.5	1	14.51	>4	3	>4	>4 to 3	242.50	16.71	16.45	16.82	0.36	Biological	15.93	1.10
SPI1-135-700	B	4/10/2011	18:58:12	1555	13.5	1	14.51	>4	3	>4	>4 to 3	264.88	18.25	18.08	18.46	0.39	Biological	13.62	0.94
SPI1-135-700	C	4/10/2011	19:04:31	1556	13.5	1	14.51	>4	3	>4	>4 to 3	247.92	17.08	16.72	17.69	0.97	Biological	12.84	0.88
SPI1-135-900	A	4/10/2011	19:26:19	1562	13.5	1	14.51	>4	3	>4	>4 to 3	225.51	15.54	15.27	16.14	0.87	Physical	Ind	Indeterminate
SPI1-135-900	B	4/10/2011	19:32:33	1563	13.5	1	14.51	>4	3	>4	>4 to 3	252.06	17.37	16.86	18.00	1.14	Biological	19.20	1.32
SPI1-135-900	C	4/10/2011	19:39:53	1564	13.5	1	14.51	>4	3	>4	>4 to 3	266.42	18.36	18.20	18.54	0.34	Biological	12.68	0.87
SPI1-135-1100	A	4/10/2011	20:01:49	1567	13.5	1	14.51	>4	3	>4	>4 to 3	249.26	17.17	15.97	18.27	2.30	Physical	10.01	0.69
SPI1-135-1100	B	4/10/2011	20:07:20	1568	13.5	1	14.51	>4	3	>4	>4 to 3	240.20	16.55	16.36	17.04	0.68	Biological	15.53	1.07
SPI1-135-1100	C	4/10/2011	20:12:21	1568	13.5	1	14.51	>4	3	>4	>4 to 3	266.54	18.36	17.86	18.80	0.95	Biological	17.33	1.19
SPI1-135-1300	A	4/10/2011	20:33:40	1570	13.5	1	14.51	>4	3	>4	>4 to 3	256.19	17.65	17.01	18.17	1.16	Biological	13.20	0.91
SPI1-135-1300	B	4/10/2011	20:39:42	1570	13.5	1	14.51	>4	3	>4	>4 to 3	227.17	15.65	15.29	16.16	0.87	Biological	15.39	1.06
SPI1-135-1300	C	4/10/2011	20:45:44	1570	13.5	1	14.51	>4	3	>4	>4 to 3	237.13	16.34	15.41	17.08	1.67	Biological	23.79	1.64
SPI1-135-1500	A	4/10/2011	21:07:54	1572	13.5	1	14.51	>4	3	>4	>4 to 3	246.14	16.96	16.53	17.13	0.61	Biological	27.05	1.86
SPI1-135-1500	B	4/10/2011	21:13:36	1573	13.5	1	14.51	>4	3	>4	>4 to 3	242.43	16.70	16.19	17.23	1.04	Biological	26.87	1.85
SPI1-135-1500	C	4/10/2011	21:21:54	1573	13.5	1	14.51	>4	3	>4	>4 to 3	242.22	16.69	15.85	17.40	1.55	Biological	28.77	1.98
SPI1-135-1700	A	4/10/2011	21:40:49	1574	13.5	1	14.51	>4	3	>4	>4 to 3	233.02	16.05	15.53	17.01	1.48	Biological	46.61	3.21
SPI1-135-1700	B	4/10/2011	21:46:26	1575	13.5	1	14.51	>4	3	>4	>4 to 3	164.43	11.33	6.81	13.08	6.28	Biological	Ind	Indeterminate

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-135-1700	C	4/10/2011	21:51:43	1575	13.5	1	14.51	>4	3	>4	>4 to 3	241.93	16.67	16.07	17.42	1.36	Biological	39.69	2.73
SPI1-135-1900	A	4/10/2011	23:22:20	1576	13.5	1	14.51	>4	3	>4	>4 to 3	226.20	15.58	14.95	15.94	0.99	Biological	36.50	2.51
SPI1-135-1900	B	4/10/2011	23:29:31	1576	13.5	1	14.51	>4	3	>4	>4 to 3	255.93	17.63	17.28	17.83	0.56	Biological	39.67	2.73
SPI1-135-1900	C	4/10/2011	23:37:54	1576	13.5	1	14.51	>4	3	>4	>4 to 3	177.10	12.20	10.93	13.86	2.93	Biological	49.99	3.44
SPI1-135-2100	A	4/11/2011	0:31:42	1576	13.5	1	14.51	>4	3	>4	>4 to 3	227.87	15.70	15.51	15.94	0.44	Biological	44.23	3.05
SPI1-135-2100	B	4/11/2011	0:38:48	1577	13.5	1	14.51	>4	3	>4	>4 to 3	230.65	15.89	14.97	16.86	1.89	Biological	30.88	2.13
SPI1-135-2100	C	4/11/2011	0:45:18	1577	13.5	1	14.51	>4	3	>4	>4 to 3	256.87	17.70	17.49	17.88	0.39	Biological	34.34	2.37
SPI1-135-2300	A	4/11/2011	1:17:21	1578	13.5	1	14.51	>4	3	>4	>4 to 3	228.66	15.75	15.31	16.36	1.04	Biological	35.27	2.43
SPI1-135-2300	B	4/11/2011	1:24:27	1578	13.5	1	14.51	>4	3	>4	>4 to 3	258.26	17.79	17.50	18.12	0.63	Biological	40.77	2.81
SPI1-135-2300	C	4/11/2011	1:30:54	1579	13.5	1	14.51	>4	3	>4	>4 to 3	237.03	16.33	15.85	16.84	0.99	Biological	36.33	2.50
SPI1-135-2500	A	4/11/2011	2:01:34	1575	13.5	1	14.51	>4	3	>4	>4 to 3	253.15	17.44	16.96	17.79	0.82	Biological	42.03	2.90
SPI1-135-2500	B	4/11/2011	2:09:24	1575	13.5	1	14.51	>4	3	>4	>4 to 3	199.66	13.76	13.35	13.96	0.61	Biological	39.98	2.75
SPI1-135-2500	C	4/11/2011	2:16:56	1575	13.5	1	14.51	>4	3	>4	>4 to 3	233.05	16.06	15.73	16.50	0.78	Biological	40.59	2.80
SPI1-135-2800	A	4/11/2011	3:00:24	1577	13.5	1	14.51	>4	3	>4	>4 to 3	246.21	16.96	15.73	17.59	1.87	Biological	51.27	3.53
SPI1-135-2800	B	4/11/2011	3:07:55	1576	13.5	1	14.51	>4	3	>4	>4 to 3	230.37	15.87	15.19	16.48	1.28	Biological	38.12	2.63
SPI1-135-2800	C	4/11/2011	3:14:35	1576	13.5	1	14.51	>4	3	>4	>4 to 3	266.84	18.39	17.49	19.43	1.94	Biological	53.01	3.65
SPI1-135-3100	A	4/11/2011	3:58:09	1571	13.5	1	14.51	>4	3	>4	>4 to 3	235.49	16.22	15.82	16.67	0.85	Biological	40.18	2.77
SPI1-135-3100	B	4/11/2011	4:07:20	1570	13.5	1	14.51	>4	3	>4	>4 to 3	252.88	17.42	16.62	18.39	1.77	Biological	40.12	2.76
SPI1-135-3100	C	4/11/2011	4:14:48	1570	13.5	1	14.51	>4	3	>4	>4 to 3	242.88	16.73	16.36	17.37	1.02	Biological	43.65	3.01
SPI1-135-3400	A	4/11/2011	4:51:56	1553	13.5	1	14.51	>4	3	>4	>4 to 3	266.83	18.38	16.40	19.17	2.76	Biological	39.53	2.72
SPI1-135-3400	B	4/11/2011	4:58:50	1553	13.5	1	14.51	>4	3	>4	>4 to 3	276.91	19.08	18.61	20.23	1.62	Biological	48.12	3.32
SPI1-135-3400	C	4/11/2011	5:08:23	1548	13.5	1	14.51	>4	3	>4	>4 to 3	260.68	17.96	17.49	18.46	0.97	Biological	46.06	3.17
SPI1-135-3700	A	4/11/2011	5:47:37	1518	13.5	1	14.51	>4	3	>4	>4 to 3	291.32	20.07	19.46	20.89	1.43	Biological	34.23	2.36
SPI1-135-3700	B	4/11/2011	5:54:29	1522	13.5	1	14.51	>4	3	>4	>4 to 3	240.22	16.55	16.11	17.20	1.09	Biological	28.51	1.96
SPI1-135-3700	C	4/11/2011	6:01:50	1519	13.5	1	14.51	>4	3	>4	>4 to 3	177.75	12.25	11.78	12.96	1.19	Biological	33.81	2.33
SPI1-135-4000	A	4/11/2011	6:43:32	1486	13.5	1	14.51	>4	3	>4	>4 to 3	247.29	17.04	16.79	17.54	0.75	Biological	30.11	2.07
SPI1-135-4000	B	4/11/2011	6:52:16	1485	13.5	1	14.51	>4	3	>4	>4 to 3	234.77	16.18	15.51	16.74	1.24	Biological	41.90	2.89
SPI1-135-4000	C	4/11/2011	6:59:46	1484	13.5	1	14.51	>4	3	>4	>4 to 3	280.10	19.30	18.49	19.82	1.33	Biological	45.15	3.11
SPI1-135-4300	A	4/11/2011	7:43:14	1473	13.5	1	14.51	>4	3	>4	>4 to 3	225.37	15.53	14.44	16.26	1.82	Biological	40.34	2.78
SPI1-135-4300	B	4/11/2011	7:52:41	1471	13.5	1	14.51	>4	3	>4	>4 to 3	231.34	15.94	15.41	16.94	1.53	Biological	42.15	2.90
SPI1-135-4300	C	4/11/2011	8:01:55	1469	13.5	1	14.51	>4	3	>4	>4 to 3	257.14	17.72	16.94	18.25	1.31	Biological	48.10	3.31
SPI1-135-4600	A	4/11/2011	9:08:35	1461	13.5	1	14.51	>4	3	>4	>4 to 3	280.37	19.32	18.37	20.21	1.84	Biological	40.69	2.80
SPI1-135-4600	B	4/11/2011	9:15:39	1461	13.5	1	14.51	>4	3	>4	>4 to 3	243.54	16.78	16.02	17.37	1.36	Biological	51.44	3.54
SPI1-135-4600	C	4/11/2011	9:23:06	1462	13.5	1	14.51	>4	3	>4	>4 to 3	228.56	15.75	14.34	16.53	2.18	Biological	50.21	3.46
SPI1-135-4900	A	4/11/2011	10:12:19	1470	13.5	1	14.51	>4	3	>4	>4 to 3	243.98	16.81	15.85	17.69	1.84	Biological	53.22	3.67
SPI1-135-4900	B	4/11/2011	10:20:03	1470	13.5	1	14.51	>4	3	>4	>4 to 3	260.76	17.97	17.54	18.34	0.80	Biological	42.68	2.94
SPI1-135-4900	C	4/11/2011	10:27:43	1470	13.5	1	14.51	>4	3	>4	>4 to 3	238.17	16.41	15.41	17.62	2.20	Biological	46.02	3.17
SPI1-135-5200	A	4/11/2011	11:15:18	1486	13.5	1	14.51	>4	3	>4	>4 to 3	239.75	16.52	15.87	16.89	1.02	Biological	40.31	2.78
SPI1-135-5200	B	4/11/2011	11:22:10	1486	13.5	1	14.51	>4	3	>4	>4 to 3	210.78	14.52	12.89	16.65	3.76	Physical	Ind	Indeterminate
SPI1-135-5200	C	4/11/2011	11:29:33	1486	13.5	1	14.51	>4	3	>4	>4 to 3	246.94	17.01	16.31	18.03	1.72	Biological	38.36	2.64
SPI1-135-5500	A	4/11/2011	12:12:35	1502	13.5	1	14.51	>4	3	>4	>4 to 3	237.79	16.38	16.11	16.72	0.61	Biological	34.54	2.38
SPI1-135-5500	B	4/11/2011	12:16:54	1496	13.5	1	14.51	>4	3	>4	>4 to 3	245.43	16.91	16.38	17.37	0.99	Biological	42.37	2.92
SPI1-135-5500	C	4/11/2011	12:22:14	1487	13.5	1	14.51	>4	3	>4	>4 to 3	264.18	18.20	17.52	18.88	1.36	Biological	36.42	2.51
SPI1-000-200	C	4/18/2011	12:42:10	1514	13.5	1	14.51	>4	3	>4	>4 to 3	231.66	15.96	15.60	16.55	0.95	Biological	9.70	0.67
SPI1-000-200	B	4/18/2011	12:36:40	1514	13.5	1	14.51	>4	3	>4	>4 to 3	238.13	16.41	15.97	17.01	1.04	Biological	7.46	0.51

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-000-200	A	4/18/2011	12:31:48	1514	13.5	1	14.51	>4	2	>4	>4 to 2	222.63	15.34	13.57	17.08	3.51	Biological	Ind	Indeterminate
SPI1-000-700	A	4/19/2011	12:27:22	1500	13.5	1	14.51	>4	2	>4	>4 to 2	249.97	17.22	16.67	18.00	1.33	Biological	8.22	0.57
SPI1-000-700	B	4/19/2011	12:36:14	1502	13.5	1	14.51	>4	2	>4	>4 to 2	252.89	17.42	16.72	18.37	1.65	Biological	11.10	0.76
SPI1-000-700	C	4/19/2011	12:43:19	1503	13.5	1	14.51	>4	2	>4	>4 to 2	252.41	17.39	17.01	18.08	1.07	Biological	9.15	0.63
SPI1-000-900	A	4/19/2011	13:17:09	1497	13.5	1	14.51	>4	2	>4	>4 to 2	235.75	16.24	15.85	16.43	0.58	Biological	9.30	0.64
SPI1-000-900	B	4/19/2011	13:25:09	1496	13.5	1	14.51	>4	2	>4	>4 to 2	238.13	16.41	16.04	16.77	0.73	Biological	7.87	0.54
SPI1-000-900	C	4/19/2011	13:34:43	1495	13.5	1	14.51	>4	2	>4	>4 to 2	230.11	15.85	15.34	16.33	0.99	Biological	8.18	0.56
SPI1-000-1100	A	4/19/2011	13:59:20	1493	13.5	1	14.51	>4	2	>4	>4 to 2	231.02	15.92	15.58	16.40	0.82	Biological	6.57	0.45
SPI1-000-1100	B	4/19/2011	14:10:10	1488	13.5	1	14.51	>4	2	>4	>4 to 2	219.33	15.11	14.88	15.41	0.53	Biological	12.03	0.83
SPI1-000-1100	C	4/19/2011	14:19:09	1486	13.5	1	14.51	>4	2	>4	>4 to 2	243.07	16.75	16.23	16.96	0.73	Biological	12.02	0.83
SPI1-000-1300	A	4/19/2011	14:41:53	1482	13.5	1	14.51	>4	2	>4	>4 to 2	226.65	15.62	15.12	16.23	1.11	Biological	33.19	2.29
SPI1-000-1300	B	4/19/2011	14:50:56	1480	13.5	1	14.51	>4	2	>4	>4 to 2	239.15	16.48	10.90	21.57	10.66	Physical	27.80	1.92
SPI1-000-1300	C	4/19/2011	15:01:23	1479	13.5	1	14.51	>4	2	>4	>4 to 2	226.85	15.63	14.80	16.11	1.31	Biological	33.44	2.30
SPI1-000-1500	A	4/19/2011	15:22:59	1474	13.5	1	14.51	>4	3	>4	>4 to 3	228.20	15.72	15.63	16.07	0.44	Biological	24.34	1.68
SPI1-000-1500	B	4/19/2011	15:33:49	1472	13.5	1	14.51	>4	3	>4	>4 to 3	212.31	14.63	14.34	15.19	0.85	Biological	23.90	1.65
SPI1-000-1500	C	4/19/2011	15:43:25	1470	13.5	1	14.51	>4	3	>4	>4 to 3	223.29	15.38	14.73	16.02	1.28	Biological	26.82	1.85
SPI1-000-1700	A	4/19/2011	16:07:13	1468	13.5	1	14.51	>4	3	>4	>4 to 3	227.70	15.69	15.44	16.16	0.73	Biological	31.28	2.16
SPI1-000-1700	B	4/19/2011	16:20:43	1466	13.5	1	14.51	>4	3	>4	>4 to 3	219.55	15.13	14.56	15.97	1.40	Biological	27.92	1.92
SPI1-000-1700	C	4/19/2011	16:29:28	1465	13.5	1	14.51	>4	3	>4	>4 to 3	225.21	15.52	15.46	15.75	0.29	Biological	22.91	1.58
SPI1-000-1900	A	4/19/2011	16:52:01	1463	13.5	1	14.51	>4	3	>4	>4 to 3	240.04	16.54	16.31	16.89	0.58	Biological	26.58	1.83
SPI1-000-1900	B	4/19/2011	17:02:20	1461	13.5	1	14.51	>4	3	>4	>4 to 3	219.48	15.12	14.76	15.44	0.68	Biological	25.64	1.77
SPI1-000-1900	C	4/19/2011	17:10:38	1460	13.5	1	14.51	>4	3	>4	>4 to 3	228.24	15.73	15.22	16.60	1.38	Biological	37.15	2.56
SPI1-000-2100	A	4/19/2011	17:33:24	1457	13.5	1	14.51	>4	3	>4	>4 to 3	214.11	14.75	14.49	15.41	0.92	Biological	34.53	2.38
SPI1-000-2100	B	4/19/2011	17:41:52	1456	13.5	1	14.51	>4	3	>4	>4 to 3	224.89	15.49	15.14	16.02	0.87	Biological	38.48	2.65
SPI1-000-2100	C	4/19/2011	17:53:41	1454	13.5	1	14.51	>4	3	>4	>4 to 3	229.76	15.83	15.43	16.19	0.75	Biological	34.39	2.37
SPI1-000-2300	A	4/19/2011	18:18:44	1451	13.5	1	14.51	>4	3	>4	>4 to 3	208.19	14.34	13.04	14.97	1.94	Biological	42.11	2.90
SPI1-000-2300	B	4/19/2011	18:29:40	1449	13.5	1	14.51	>4	3	>4	>4 to 3	243.58	16.78	15.80	18.10	2.30	Biological	41.91	2.89

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-000-2300	C	4/19/2011	18:39:42	1448	13.5	1	14.51	>4	3	>4	>4 to 3	258.18	17.79	17.11	18.68	1.57	Biological	52.87	3.64
SPI1-000-2500	A	4/19/2011	19:06:38	1444	13.5	1	14.51	>4	3	>4	>4 to 3	235.56	16.23	15.80	16.60	0.80	Biological	40.08	2.76
SPI1-000-2500	B	4/19/2011	19:16:43	1442	13.5	1	14.51	>4	3	>4	>4 to 3	198.73	13.69	13.01	14.34	1.33	Biological	36.52	2.52
SPI1-000-2500	C	4/19/2011	19:29:11	1440	13.5	1	14.51	>4	3	>4	>4 to 3	215.98	14.88	13.96	16.23	2.28	Biological	33.17	2.29
SPI1-000-2800	A	4/19/2011	20:04:47	1436	13.5	1	14.51	>4	3	>4	>4 to 3	222.75	15.35	14.93	16.16	1.23	Biological	31.77	2.19
SPI1-000-2800	B	4/19/2011	20:14:26	1434	13.5	1	14.51	>4	3	>4	>4 to 3	225.95	15.57	14.78	15.80	1.02	Biological	38.46	2.65
SPI1-000-2800	C	4/19/2011	20:24:49	1434	13.5	1	14.51	>4	3	>4	>4 to 3	228.82	15.77	15.41	16.23	0.82	Biological	39.83	2.74
SPI1-000-3100	A	4/19/2011	21:36:36	1435	13.5	1	14.51	>4	3	>4	>4 to 3	237.53	16.37	16.02	16.72	0.70	Biological	35.71	2.46
SPI1-000-3100	B	4/19/2011	21:46:32	1434	13.5	1	14.51	>4	3	>4	>4 to 3	226.19	15.58	15.12	16.09	0.97	Biological	36.06	2.48
SPI1-000-3100	C	4/19/2011	21:55:52	1434	13.5	1	14.51	>4	3	>4	>4 to 3	221.03	15.23	14.61	15.56	0.95	Biological	41.22	2.84
SPI1-000-3400	A	4/19/2011	22:33:29	1434	13.5	1	14.51	>4	3	>4	>4 to 3	225.10	15.51	15.05	16.11	1.07	Biological	42.44	2.92
SPI1-000-3400	B	4/19/2011	22:42:25	1433	13.5	1	14.51	>4	3	>4	>4 to 3	243.12	16.75	15.99	17.37	1.38	Biological	43.84	3.02
SPI1-000-3400	C	4/19/2011	22:53:39	1433	13.5	1	14.51	>4	3	>4	>4 to 3	220.64	15.20	14.88	15.58	0.70	Biological	47.41	3.27
SPI1-000-3700	A	4/19/2011	23:25:25	1430	13.5	1	14.51	>4	3	>4	>4 to 3	228.33	15.73	13.45	16.72	3.27	Biological	39.85	2.75
SPI1-000-3700	B	4/19/2011	23:35:20	1430	13.5	1	14.51	>4	3	>4	>4 to 3	218.35	15.04	14.66	15.44	0.78	Biological	37.14	2.56
SPI1-000-3700	C	4/19/2011	23:44:38	1429	13.5	1	14.51	>4	3	>4	>4 to 3	231.51	15.95	14.32	17.64	3.32	Biological	50.48	3.48
SPI1-000-4000	A	4/20/2011	0:17:09	1427	13.5	1	14.51	>4	3	>4	>4 to 3	222.09	15.30	15.02	15.51	0.48	Biological	32.32	2.23
SPI1-000-4000	B	4/20/2011	0:24:37	1427	13.5	1	14.51	>4	3	>4	>4 to 3	182.83	12.60	11.12	13.64	2.52	Biological	33.69	2.32
SPI1-000-4000	C	4/20/2011	0:31:06	1427	13.5	1	14.51	>4	3	>4	>4 to 3	211.80	14.59	13.86	15.56	1.70	Biological	35.38	2.44
SPI1-000-4300	A	4/20/2011	1:10:41	1423	13.5	1	14.51	>4	3	>4	>4 to 3	224.70	15.48	15.10	15.97	0.87	Biological	38.05	2.62
SPI1-000-4300	B	4/20/2011	1:17:49	1421	13.5	1	14.51	>4	3	>4	>4 to 3	238.35	16.42	16.23	16.57	0.34	Biological	34.92	2.41
SPI1-000-4300	C	4/20/2011	1:25:23	1420	13.5	1	14.51	>4	3	>4	>4 to 3	227.42	15.67	15.27	16.04	0.78	Biological	39.14	2.70
SPI1-000-4600	A	4/20/2011	1:56:37	1413	13.5	1	14.51	>4	3	>4	>4 to 3	207.55	14.30	14.10	14.42	0.31	Biological	32.29	2.22
SPI1-000-4600	B	4/20/2011	2:05:09	1411	13.5	1	14.51	>4	3	>4	>4 to 3	206.11	14.20	12.87	14.88	2.01	Biological	30.11	2.07
SPI1-000-4600	C	4/20/2011	2:12:37	1410	13.5	1	14.51	>4	3	>4	>4 to 3	230.61	15.89	15.53	16.36	0.82	Biological	43.81	3.02
SPI1-000-4900	A	4/20/2011	2:43:52	1415	13.5	1	14.51	>4	3	>4	>4 to 3	214.90	14.81	14.51	15.10	0.58	Biological	40.22	2.77
SPI1-000-4900	B	4/20/2011	2:55:49	1411	13.5	1	14.51	>4	3	>4	>4 to 3	223.44	15.39	15.10	15.73	0.63	Biological	32.59	2.25
SPI1-000-4900	C	4/20/2011	3:04:04	1410	13.5	1	14.51	>4	3	>4	>4 to 3	209.05	14.40	14.05	14.71	0.65	Biological	56.02	3.86

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SPI1-000-5200	A	4/20/2011	3:47:23	1419	13.5	1	14.51	>4	3	>4	>4 to 3	218.28	15.04	14.71	15.22	0.51	Biological	36.26	2.50
SPI1-000-5200	B	4/20/2011	3:55:59	1423	13.5	1	14.51	>4	3	>4	>4 to 3	230.83	15.90	15.73	16.36	0.63	Biological	37.82	2.61
SPI1-000-5200	C	4/20/2011	4:03:44	1423	13.5	1	14.51	>4	3	>4	>4 to 3	222.78	15.35	15.07	15.75	0.68	Biological	37.16	2.56
SPI1-000-5500	A	4/20/2011	4:35:13	1430	13.5	1	14.51	>4	3	>4	>4 to 3	209.10	14.41	14.15	14.98	0.82	Biological	32.99	2.27
SPI1-000-5500	B	4/20/2011	4:44:44	1428	13.5	1	14.51	>4	3	>4	>4 to 3	220.89	15.22	14.71	15.68	0.97	Biological	39.88	2.75
SPI1-000-5500	C	4/20/2011	4:53:04	1428	13.5	1	14.51	>4	3	>4	>4 to 3	225.63	15.55	14.90	16.29	1.39	Biological	35.36	2.44
SPI1-045-200	B	4/18/2011	13:13:38	1519	13.5	1	14.51	>4	2	>4	>4 to 2	240.05	16.54	14.56	18.29	3.73	Physical	Ind	Indeterminate
SPI1-045-200	C	4/18/2011	13:19:35	1519	13.5	1	14.51	>4	2	>4	>4 to 2	223.60	15.41	14.93	15.94	1.02	Physical	11.71	0.81
SPI1-045-300	A	4/18/2011	13:27:44	1519	13.5	1	14.51	>4	2	>4	>4 to 2	232.81	16.04	15.56	16.19	0.63	Biological	9.77	0.67
SPI1-045-300	B	4/18/2011	13:34:59	1518	13.5	1	14.51	>4	2	>4	>4 to 2	227.83	15.70	14.93	16.48	1.55	Biological	6.66	0.46
SPI1-045-300	C	4/18/2011	13:41:57	1517	13.5	1	14.51	>4	2	>4	>4 to 2	244.64	16.86	16.33	17.23	0.90	Biological	4.35	0.30
SPI1-045-400	A	4/18/2011	13:50:30	1518	13.5	1	14.51	>4	2	>4	>4 to 2	232.93	16.05	15.51	16.36	0.85	Biological	5.06	0.35
SPI1-045-400	B	4/18/2011	13:57:36	1516	13.5	1	14.51	>4	2	>4	>4 to 2	257.70	17.76	17.35	18.10	0.75	Biological	4.48	0.31
SPI1-045-400	C	4/18/2011	14:06:04	1517	13.5	1	14.51	>4	2	>4	>4 to 2	240.25	16.55	16.33	16.77	0.44	Biological	8.20	0.57
SPI1-045-500	A	4/18/2011	16:30:02	1519	13.5	1	14.51	>4	2	>4	>4 to 2	240.20	16.55	16.02	16.99	0.97	Biological	6.69	0.46
SPI1-045-500	B	4/18/2011	16:36:48	1518	13.5	1	14.51	>4	2	>4	>4 to 2	254.24	17.52	17.30	17.66	0.36	Biological	8.30	0.57
SPI1-045-500	C	4/18/2011	16:43:37	1518	13.5	1	14.51	>4	2	>4	>4 to 2	283.38	19.52	19.02	19.89	0.87	Biological	8.96	0.62
SPI1-045-700	A	4/18/2011	17:57:40	1516	13.5	1	14.51	>4	2	>4	>4 to 2	251.13	17.30	16.87	17.54	0.68	Biological	7.21	0.50
SPI1-045-700	B	4/18/2011	18:04:29	1516	13.5	1	14.51	>4	2	>4	>4 to 2	191.22	13.17	12.04	14.08	2.04	Physical	7.43	0.51
SPI1-045-700	C	4/18/2011	18:11:48	1516	13.5	1	14.51	>4	2	>4	>4 to 2	243.58	16.78	16.53	17.35	0.82	Physical	6.97	0.48
SPI1-045-900	A	4/18/2011	18:37:10	1516	13.5	1	14.51	>4	2	>4	>4 to 2	245.66	16.93	16.67	17.57	0.90	Biological	6.21	0.43
SPI1-045-900	B	4/18/2011	18:45:00	1516	13.5	1	14.51	>4	2	>4	>4 to 2	225.84	15.56	15.22	15.85	0.63	Biological	24.91	1.72
SPI1-045-900	C	4/18/2011	18:52:48	1517	13.5	1	14.51	>4	2	>4	>4 to 2	230.40	15.87	15.36	16.28	0.92	Biological	18.06	1.24
SPI1-045-1100	A	4/18/2011	19:25:05	1516	13.5	1	14.51	>4	2	>4	>4 to 2	216.76	14.93	14.52	15.41	0.90	Biological	21.63	1.49
SPI1-045-1100	B	4/18/2011	19:33:31	1516	13.5	1	14.51	>4	2	>4	>4 to 2	224.16	15.44	14.95	15.51	0.56	Biological	28.07	1.93
SPI1-045-1100	C	4/18/2011	19:41:49	1515	13.5	1	14.51	>4	2	>4	>4 to 2	238.19	16.41	15.85	17.57	1.72	Biological	24.50	1.69
SPI1-045-1300	A	4/18/2011	20:03:47	1515	13.5	1	14.51	>4	2	>4	>4 to 2	239.05	16.47	15.97	16.84	0.87	Biological	33.94	2.34

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-045-1300	B	4/18/2011	20:09:46	1514	13.5	1	14.51	>4	2	>4	>4 to 2	234.43	16.15	15.87	17.01	1.14	Biological	25.16	1.73
SPI1-045-1300	C	4/18/2011	20:18:45	1515	13.5	1	14.51	>4	2	>4	>4 to 2	218.07	15.02	14.42	15.68	1.26	Biological	29.85	2.06
SPI1-045-1500	A	4/18/2011	20:43:36	1518	13.5	1	14.51	>4	2	>4	>4 to 2	236.84	16.32	15.82	16.74	0.92	Biological	26.09	1.80
SPI1-045-1500	B	4/18/2011	20:50:10	1519	13.5	1	14.51	>4	2	>4	>4 to 2	228.26	15.73	15.39	16.06	0.68	Biological	24.68	1.70
SPI1-045-1500	C	4/18/2011	20:59:20	1520	13.5	1	14.51	>4	2	>4	>4 to 2	227.86	15.70	14.71	16.89	2.18	Biological	35.90	2.47
SPI1-045-1700	A	4/18/2011	21:23:50	1524	13.5	1	14.51	>4	2	>4	>4 to 2	236.97	16.33	16.06	16.84	0.78	Biological	34.76	2.39
SPI1-045-1700	B	4/18/2011	21:31:50	1525	13.5	1	14.51	>4	2	>4	>4 to 2	237.76	16.38	15.63	17.25	1.62	Biological	34.12	2.35
SPI1-045-1700	C	4/18/2011	21:40:31	1526	13.5	1	14.51	>4	2	>4	>4 to 2	230.59	15.89	15.29	16.43	1.14	Biological	30.56	2.11
SPI1-045-1900	A	4/18/2011	23:01:40	1528	13.5	1	14.51	>4	2	>4	>4 to 2	244.79	16.87	16.43	17.28	0.85	Biological	32.29	2.22
SPI1-045-1900	B	4/18/2011	23:09:35	1528	13.5	1	14.51	>4	2	>4	>4 to 2	224.25	15.45	15.05	15.73	0.68	Biological	34.93	2.41
SPI1-045-1900	C	4/18/2011	23:22:00	1528	13.5	1	14.51	>4	2	>4	>4 to 2	235.23	16.21	15.51	16.65	1.14	Biological	47.36	3.26
SPI1-045-2100	A	4/18/2011	23:48:23	1530	13.5	1	14.51	>4	2	>4	>4 to 2	232.58	16.02	15.53	16.48	0.94	Biological	37.64	2.59
SPI1-045-2100	B	4/18/2011	23:57:20	1528	13.5	1	14.51	>4	2	>4	>4 to 2	220.47	15.19	14.37	17.18	2.81	Biological	27.20	1.87
SPI1-045-2100	C	4/19/2011	0:06:36	1528	13.5	1	14.51	>4	2	>4	>4 to 2	230.63	15.89	15.43	16.40	0.97	Biological	41.28	2.84
SPI1-045-2300	A	4/19/2011	0:30:57	1528	13.5	1	14.51	>4	2	>4	>4 to 2	234.66	16.17	15.65	16.74	1.09	Biological	41.93	2.89
SPI1-045-2300	B	4/19/2011	0:38:54	1527	13.5	1	14.51	>4	2	>4	>4 to 2	263.41	18.15	17.59	18.51	0.92	Biological	32.23	2.22
SPI1-045-2300	C	4/19/2011	0:46:51	1527	13.5	1	14.51	>4	2	>4	>4 to 2	243.90	16.80	16.40	17.33	0.92	Biological	37.76	2.60
SPI1-045-2500	A	4/19/2011	1:10:48	1525	13.5	1	14.51	>4	2	>4	>4 to 2	249.52	17.19	16.65	17.59	0.94	Biological	37.85	2.61
SPI1-045-2500	B	4/19/2011	1:18:34	1524	13.5	1	14.51	>4	2	>4	>4 to 2	221.61	15.27	14.90	15.92	1.02	Biological	29.29	2.02
SPI1-045-2500	C	4/19/2011	1:26:30	1523	13.5	1	14.51	>4	2	>4	>4 to 2	237.48	16.36	15.99	17.03	1.04	Biological	44.80	3.09
SPI1-045-2800	A	4/19/2011	2:02:53	1520	13.5	1	14.51	>4	2	>4	>4 to 2	224.61	15.48	14.85	15.97	1.11	Biological	35.02	2.41
SPI1-045-2800	B	4/19/2011	2:11:52	1520	13.5	1	14.51	>4	2	>4	>4 to 2	221.27	15.24	14.81	15.51	0.70	Biological	37.32	2.57
SPI1-045-2800	C	4/19/2011	2:20:47	1519	13.5	1	14.51	>4	2	>4	>4 to 2	231.65	15.96	15.31	17.18	1.87	Biological	35.90	2.47
SPI1-045-3100	A	4/19/2011	3:28:29	1517	13.5	1	14.51	>4	2	>4	>4 to 2	209.93	14.46	13.91	15.60	1.70	Physical	45.24	3.12
SPI1-045-3100	B	4/19/2011	3:36:36	1516	13.5	1	14.51	>4	2	>4	>4 to 2	180.22	12.42	11.34	14.30	2.96	Biological	36.49	2.51
SPI1-045-3100	C	4/19/2011	3:43:52	1516	13.5	1	14.51	>4	2	>4	>4 to 2	207.53	14.30	13.47	15.10	1.62	Biological	36.60	2.52
SPI1-045-3400	A	4/19/2011	4:29:23	1515	13.5	1	14.51	>4	2	>4	>4 to 2	221.22	15.24	14.68	15.75	1.07	Biological	42.04	2.90
SPI1-045-3400	B	4/19/2011	4:37:55	1514	13.5	1	14.51	>4	2	>4	>4 to 2	227.23	15.66	15.00	16.36	1.36	Biological	46.30	3.19

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-045-3400	C	4/19/2011	4:45:05	1513	13.5	1	14.51	>4	2	>4	>4 to 2	216.19	14.90	14.35	15.31	0.97	Biological	48.03	3.31
SPI1-045-3700	A	4/19/2011	5:19:20	1511	13.5	1	14.51	>4	2	>4	>4 to 2	235.15	16.20	15.99	16.48	0.48	Biological	40.51	2.79
SPI1-045-3700	B	4/19/2011	5:26:36	1511	13.5	1	14.51	>4	2	>4	>4 to 2	233.11	16.06	15.53	16.31	0.78	Biological	53.94	3.72
SPI1-045-3700	C	4/19/2011	5:34:47	1510	13.5	1	14.51	>4	2	>4	>4 to 2	216.57	14.92	14.42	15.36	0.95	Biological	48.10	3.31
SPI1-045-4000	A	4/19/2011	6:08:41	1506	13.5	1	14.51	>4	2	>4	>4 to 2	225.44	15.53	15.24	15.61	0.36	Biological	44.47	3.06
SPI1-045-4000	B	4/19/2011	6:17:31	1505	13.5	1	14.51	>4	2	>4	>4 to 2	263.49	18.15	17.96	18.46	0.51	Biological	33.60	2.31
SPI1-045-4000	C	4/19/2011	6:26:20	1503	13.5	1	14.51	>4	2	>4	>4 to 2	213.63	14.72	14.20	15.14	0.95	Biological	45.84	3.16
SPI1-045-4300	A	4/19/2011	7:00:35	1495	13.5	1	14.51	>4	2	>4	>4 to 2	208.64	14.38	13.74	14.93	1.19	Biological	40.28	2.78
SPI1-045-4300	B	4/19/2011	7:08:30	1491	13.5	1	14.51	>4	2	>4	>4 to 2	208.80	14.39	12.43	16.26	3.83	Biological	39.86	2.75
SPI1-045-4300	C	4/19/2011	7:16:27	1487	13.5	1	14.51	>4	2	>4	>4 to 2	219.35	15.11	14.83	15.22	0.39	Biological	49.51	3.41
SPI1-045-4600	A	4/19/2011	7:51:44	1455	13.5	1	14.51	>4	2	>4	>4 to 2	234.59	16.16	15.54	16.86	1.33	Biological	41.67	2.87
SPI1-045-4600	B	4/19/2011	7:59:29	1450	13.5	1	14.51	>4	2	>4	>4 to 2	232.61	16.03	15.63	16.82	1.19	Biological	50.66	3.49
SPI1-045-4600	C	4/19/2011	8:07:28	1444	13.5	1	14.51	>4	2	>4	>4 to 2	209.41	14.43	13.62	15.02	1.41	Biological	37.86	2.61
SPI1-045-4900	A	4/19/2011	8:43:39	1416	13.5	1	14.51	>4	2	>4	>4 to 2	212.65	14.65	14.27	15.12	0.85	Biological	38.69	2.67
SPI1-045-4900	B	4/19/2011	8:50:55	1414	13.5	1	14.51	>4	2	>4	>4 to 2	227.42	15.67	15.02	15.99	0.97	Biological	44.00	3.03
SPI1-045-4900	C	4/19/2011	8:59:22	1409	13.5	1	14.51	>4	2	>4	>4 to 2	210.83	14.53	14.20	14.97	0.78	Biological	36.55	2.52
SPI1-045-5200	A	4/19/2011	9:34:36	1360	13.5	1	14.51	>4	2	>4	>4 to 2	211.28	14.56	14.32	14.78	0.46	Biological	59.57	4.10
SPI1-045-5200	B	4/19/2011	9:41:10	1354	13.5	1	14.51	>4	2	>4	>4 to 2	239.37	16.49	15.65	17.33	1.67	Biological	50.94	3.51
SPI1-045-5200	C	4/19/2011	9:47:27	1348	13.5	1	14.51	>4	2	>4	>4 to 2	212.50	14.64	13.84	15.17	1.33	Biological	40.29	2.78
SPI1-045-5500	A	4/19/2011	10:22:14	1339	13.5	1	14.51	>4	2	>4	>4 to 2	214.62	14.79	14.51	15.05	0.53	Biological	37.70	2.60
SPI1-045-5500	B	4/19/2011	10:30:21	1337	13.5	1	14.51	>4	2	>4	>4 to 2	183.43	12.64	12.09	13.67	1.58	Biological	40.70	2.80
SPI1-045-5500	C	4/19/2011	10:36:23	1335	13.5	1	14.51	>4	2	>4	>4 to 2	209.44	14.43	13.84	14.66	0.82	Biological	40.51	2.79
SPI1-225-200	A	4/18/2011	10:39:53	1528	13.5	1	14.51	>4	2	>4	>4 to 2	226.95	15.64	14.93	16.53	1.60	Biological	7.73	0.53
SPI1-225-200	B	4/18/2011	10:47:02	1527	13.5	1	14.51	>4	2	>4	>4 to 2	311.97	21.49	20.35	21.66	1.31	Ind	Ind	ndeterminate
SPI1-225-200	C	4/18/2011	10:53:17	1527	13.5	1	14.51	>4	2	>4	>4 to 2	225.34	15.53	15.02	16.55	1.53	Physical	7.10	0.49
SPI1-225-300	A	4/18/2011	10:10:26	1532	13.5	1	14.51	>4	2	>4	>4 to 2	248.34	17.11	15.94	17.64	1.70	Biological	7.89	0.54
SPI1-225-300	B	4/18/2011	10:16:35	1531	13.5	1	14.51	>4	2	>4	>4 to 2	221.45	15.26	14.80	15.51	0.70	Biological	5.64	0.39
SPI1-225-300	C	4/18/2011	10:23:17	1531	13.5	1	14.51	>4	2	>4	>4 to 2	248.56	17.13	16.50	17.52	1.02	Biological	6.08	0.42

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-225-400	A	4/18/2011	9:39:22	1537	13.5	1	14.51	>4	2	>4	>4 to 2	230.27	15.87	15.46	16.55	1.09	Biological	4.59	0.32
SPI1-225-400	B	4/18/2011	9:45:15	1536	13.5	1	14.51	>4	2	>4	>4 to 2	214.16	14.76	14.20	15.48	1.28	Biological	5.94	0.41
SPI1-225-400	C	4/18/2011	9:54:33	1534	13.5	1	14.51	>4	2	>4	>4 to 2	249.32	17.18	15.87	18.12	2.25	Physical	6.23	0.43
SPI1-225-500	A	4/18/2011	9:07:30	1542	13.5	1	14.51	>4	2	>4	>4 to 2	244.57	16.85	16.55	17.23	0.68	Biological	6.71	0.46
SPI1-225-500	B	4/18/2011	9:15:33	1542	13.5	1	14.51	>4	2	>4	>4 to 2	241.81	16.66	16.23	16.91	0.68	Biological	8.73	0.60
SPI1-225-500	C	4/18/2011	9:21:46	1542	13.5	1	14.51	>4	2	>4	>4 to 2	228.04	15.71	15.27	15.99	0.73	Biological	8.41	0.58
SPI1-225-700	A	4/18/2011	8:10:57	1557	13.5	1	14.51	>4	2	>4	>4 to 2	223.09	15.37	14.83	15.75	0.92	Physical	13.48	0.93
SPI1-225-700	B	4/18/2011	8:16:50	1556	13.5	1	14.51	>4	2	>4	>4 to 2	217.71	15.00	14.54	15.87	1.33	Physical	10.95	0.75
SPI1-225-700	C	4/18/2011	8:23:09	1556	13.5	1	14.51	>4	2	>4	>4 to 2	233.01	16.05	15.68	16.55	0.87	Biological	7.71	0.53
SPI1-225-900	A	4/18/2011	7:33:14	1565	13.5	1	14.51	>4	2	>4	>4 to 2	207.46	14.29	13.69	14.90	1.21	Biological	16.44	1.13
SPI1-225-900	B	4/18/2011	7:39:17	1564	13.5	1	14.51	>4	2	>4	>4 to 2	233.58	16.09	15.85	16.33	0.48	Biological	25.53	1.76
SPI1-225-900	C	4/18/2011	7:44:40	1563	13.5	1	14.51	>4	2	>4	>4 to 2	221.89	15.29	14.27	15.85	1.58	Biological	21.39	1.47
SPI1-225-1100	A	4/18/2011	6:54:45	1571	13.5	1	14.51	>4	2	>4	>4 to 2	236.01	16.26	16.14	16.50	0.36	Biological	6.19	0.43
SPI1-225-1100	B	4/18/2011	7:00:30	1571	13.5	1	14.51	>4	2	>4	>4 to 2	225.40	15.53	15.10	16.36	1.26	Physical	6.06	0.42
SPI1-225-1100	C	4/18/2011	7:06:17	1571	13.5	1	14.51	>4	2	>4	>4 to 2	226.83	15.63	15.56	15.94	0.39	Biological	4.62	0.32
SPI1-225-1300	A	4/18/2011	4:43:13	1575	13.5	1	14.51	>4	2	>4	>4 to 2	247.93	17.08	16.21	18.29	2.08	Biological	44.67	3.08
SPI1-225-1300	B	4/18/2011	4:49:04	1575	13.5	1	14.51	>4	2	>4	>4 to 2	232.43	16.01	15.68	16.72	1.04	Biological	23.40	1.61
SPI1-225-1300	C	4/18/2011	4:56:01	1575	13.5	1	14.51	>4	2	>4	>4 to 2	223.42	15.39	14.66	16.04	1.38	Biological	40.52	2.79
SPI1-225-1500	A	4/18/2011	4:02:11	1579	13.5	1	14.51	>4	2	>4	>4 to 2	229.48	15.81	14.44	16.57	2.13	Biological	38.74	2.67
SPI1-225-1500	B	4/18/2011	4:08:11	1579	13.5	1	14.51	>4	2	>4	>4 to 2	238.57	16.44	15.87	16.89	1.02	Biological	30.07	2.07
SPI1-225-1500	C	4/18/2011	4:13:45	1579	13.5	1	14.51	>4	2	>4	>4 to 2	219.17	15.10	14.71	15.39	0.68	Biological	36.74	2.53
SPI1-225-1700	A	4/18/2011	3:07:34	1581	13.5	1	14.51	>4	2	>4	>4 to 2	227.53	15.68	15.19	16.16	0.97	Biological	37.69	2.60
SPI1-225-1700	B	4/18/2011	3:20:23	1581	13.5	1	14.51	>4	2	>4	>4 to 2	229.94	15.84	15.19	15.87	0.68	Biological	34.14	2.35
SPI1-225-1700	C	4/18/2011	3:29:54	1581	13.5	1	14.51	>4	2	>4	>4 to 2	261.14	17.99	17.49	18.54	1.04	Biological	57.29	3.95
SPI1-225-1900	A	4/18/2011	2:18:53	1583	13.5	1	14.51	>4	2	>4	>4 to 2	221.85	15.29	14.88	15.56	0.68	Biological	35.26	2.43
SPI1-225-1900	B	4/18/2011	2:28:07	1583	13.5	1	14.51	>4	2	>4	>4 to 2	244.58	16.85	16.26	17.37	1.11	Biological	31.64	2.18
SPI1-225-1900	C	4/18/2011	2:38:12	1583	13.5	1	14.51	>4	2	>4	>4 to 2	237.30	16.35	15.94	16.77	0.82	Biological	28.53	1.97
SPI1-225-2100	A	4/18/2011	1:33:42	1584	13.5	1	14.51	>4	2	>4	>4 to 2	219.64	15.13	14.66	15.82	1.16	Biological	35.21	2.43
SPI1-225-2100	B	4/18/2011	1:42:21	1584	13.5	1	14.51	>4	2	>4	>4 to 2	244.56	16.85	16.79	16.91	0.12	Biological	41.91	2.89

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-225-2100	C	4/18/2011	1:51:51	1584	13.5	1	14.51	>4	2	>4	>4 to 2	238.49	16.43	16.26	16.72	0.46	Biological	40.88	2.82
SPI1-225-2300	A	4/18/2011	0:47:45	1585	13.5	1	14.51	>4	2	>4	>4 to 2	236.39	16.29	15.70	16.72	1.02	Biological	36.97	2.55
SPI1-225-2300	B	4/18/2011	0:55:10	1586	13.5	1	14.51	>4	2	>4	>4 to 2	236.25	16.28	15.99	16.74	0.75	Biological	33.47	2.31
SPI1-225-2300	C	4/18/2011	1:03:34	1586	13.5	1	14.51	>4	2	>4	>4 to 2	241.79	16.66	16.43	16.96	0.53	Biological	40.18	2.77
SPI1-225-2500	A	4/18/2011	0:03:36	1586	13.5	1	14.51	>4	2	>4	>4 to 2	220.91	15.22	14.88	16.04	1.16	Biological	31.71	2.18
SPI1-225-2500	B	4/18/2011	0:11:17	1586	13.5	1	14.51	>4	2	>4	>4 to 2	274.80	18.93	18.49	19.43	0.94	Biological	40.27	2.77
SPI1-225-2500	C	4/18/2011	0:20:34	1586	13.5	1	14.51	>4	2	>4	>4 to 2	233.15	16.06	15.63	16.74	1.11	Biological	34.71	2.39
SPI1-225-2800	A	4/17/2011	23:14:03	1589	13.5	1	14.51	>4	2	>4	>4 to 2	228.58	15.75	15.34	16.19	0.85	Biological	37.01	2.55
SPI1-225-2800	B	4/17/2011	23:21:35	1589	13.5	1	14.51	>4	2	>4	>4 to 2	220.95	15.22	14.68	15.73	1.04	Biological	40.28	2.78
SPI1-225-2800	C	4/17/2011	23:30:17	1589	13.5	1	14.51	>4	2	>4	>4 to 2	237.66	16.37	15.90	16.72	0.82	Biological	32.26	2.22
SPI1-225-3100	A	4/17/2011	21:07:16	1589	13.5	1	14.51	>4	2	>4	>4 to 2	231.32	15.94	15.51	16.38	0.87	Biological	52.77	3.64
SPI1-225-3100	B	4/17/2011	21:15:02	1588	13.5	1	14.51	>4	2	>4	>4 to 2	254.37	17.53	17.08	18.05	0.97	Biological	39.77	2.74
SPI1-225-3100	C	4/17/2011	21:23:02	1588	13.5	1	14.51	>4	2	>4	>4 to 2	242.54	16.71	15.92	17.28	1.36	Biological	52.83	3.64
SPI1-225-3400	A	4/17/2011	20:17:50	1587	13.5	1	14.51	>4	2	>4	>4 to 2	235.42	16.22	15.19	16.67	1.48	Biological	40.09	2.76
SPI1-225-3400	B	4/17/2011	20:26:21	1587	13.5	1	14.51	>4	2	>4	>4 to 2	240.93	16.60	16.33	16.86	0.53	Biological	36.77	2.53
SPI1-225-3400	C	4/17/2011	20:33:56	1588	13.5	1	14.51	>4	2	>4	>4 to 2	232.11	15.99	15.12	17.01	1.89	Biological	38.41	2.65
SPI1-225-3700	A	4/17/2011	19:26:35	1587	13.5	1	14.51	>4	2	>4	>4 to 2	231.28	15.93	15.87	16.04	0.17	Biological	42.46	2.93
SPI1-225-3700	B	4/17/2011	19:35:44	1587	13.5	1	14.51	>4	2	>4	>4 to 2	263.40	18.15	15.19	21.64	6.45	Biological	62.51	4.31
SPI1-225-3700	C	4/17/2011	19:43:52	1587	13.5	1	14.51	>4	2	>4	>4 to 2	233.53	16.09	15.73	16.60	0.87	Biological	32.29	2.22
SPI1-225-4000	A	4/17/2011	18:35:43	1587	13.5	1	14.51	>4	2	>4	>4 to 2	222.31	15.32	15.12	15.63	0.51	Biological	36.32	2.50
SPI1-225-4000	B	4/17/2011	18:43:23	1587	13.5	1	14.51	>4	2	>4	>4 to 2	240.66	16.58	16.11	17.18	1.07	Biological	34.65	2.39
SPI1-225-4000	C	4/17/2011	18:51:41	1588	13.5	1	14.51	>4	2	>4	>4 to 2	182.63	12.58	11.63	13.62	1.99	Biological	39.83	2.74
SPI1-225-4300	A	4/15/2011	21:19:32	1587	13.5	1	14.51	>4	2	>4	>4 to 2	253.33	17.45	16.86	18.10	1.24	Biological	38.25	2.64
SPI1-225-4300	B	4/15/2011	21:30:07	1585	13.5	1	14.51	>4	2	>4	>4 to 2	256.69	17.69	17.01	19.02	2.01	Biological	46.00	3.17
SPI1-225-4300	C	4/15/2011	21:37:27	1587	13.5	1	14.51	>4	2	>4	>4 to 2	257.67	17.75	16.21	19.07	2.86	Biological	40.02	2.76
SPI1-225-4600	A	4/15/2011	19:03:18	1585	13.5	1	14.51	>4	2	>4	>4 to 2	249.39	17.18	16.04	18.27	2.23	Biological	41.74	2.88
SPI1-225-4600	B	4/15/2011	19:15:53	1585	13.5	1	14.51	>4	2	>4	>4 to 2	255.15	17.58	16.50	18.25	1.74	Biological	37.65	2.59
SPI1-225-4600	C	4/15/2011	19:22:46	1585	13.5	1	14.51	>4	2	>4	>4 to 2	256.36	17.66	17.18	18.88	1.70	Biological	32.52	2.24
SPI1-225-4900	A	4/15/2011	18:13:30	1584	13.5	1	14.51	>4	2	>4	>4 to 2	250.83	17.28	16.69	17.69	0.99	Biological	26.28	1.81

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-225-4900	B	4/15/2011	18:19:16	1584	13.5	1	14.51	>4	2	>4	>4 to 2	214.86	14.80	14.01	15.58	1.58	Biological	39.75	2.74
SPI1-225-4900	C	4/15/2011	18:26:08	1583	13.5	1	14.51	>4	2	>4	>4 to 2	244.92	16.87	16.50	17.18	0.68	Biological	36.95	2.55
SPI1-225-5200	A	4/15/2011	17:15:18	1581	13.5	1	14.51	>4	2	>4	>4 to 2	249.47	17.19	16.94	17.54	0.61	Biological	38.52	2.65
SPI1-225-5200	B	4/15/2011	17:22:09	1581	13.5	1	14.51	>4	2	>4	>4 to 2	269.94	18.60	17.79	19.80	2.01	Biological	42.70	2.94
SPI1-225-5200	C	4/15/2011	17:30:32	1582	13.5	1	14.51	>4	3	>4	>4 to 3	234.74	16.17	15.82	16.40	0.58	Biological	39.55	2.72
SPI1-225-5500	A	4/15/2011	16:15:24	1579	13.5	1	14.51	>4	2	>4	>4 to 2	206.07	14.20	13.69	14.95	1.26	Biological	39.06	2.69
SPI1-225-5500	B	4/15/2011	16:30:45	1576	13.5	1	14.51	>4	2	>4	>4 to 2	227.41	15.67	15.17	16.16	0.99	Biological	45.52	3.14
SPI1-225-5500	C	4/15/2011	16:37:48	1582	13.5	1	14.51	>4	2	>4	>4 to 2	222.56	15.33	14.76	16.21	1.45	Biological	31.45	2.17
SPI1-270-200	A	4/16/2011	19:57:52	1521	13.5	1	14.51	>4	2	>4	>4 to 2	233.61	16.10	15.70	16.43	0.73	Biological	5.56	0.38
SPI1-270-200	B	4/16/2011	20:06:08	1520	13.5	1	14.51	>4	2	>4	>4 to 2	249.44	17.19	16.96	17.49	0.53	Biological	8.34	0.57
SPI1-270-200	C	4/16/2011	20:12:03	1521	13.5	1	14.51	>4	2	>4	>4 to 2	229.67	15.82	15.56	16.16	0.61	Biological	6.76	0.47
SPI1-270-300	A	4/16/2011	20:26:01	1521	13.5	1	14.51	>4	2	>4	>4 to 2	289.50	19.95	19.68	20.26	0.58	Biological	5.58	0.38
SPI1-270-300	B	4/16/2011	20:32:00	1521	13.5	1	14.51	>4	2	>4	>4 to 2	232.38	16.01	14.80	16.53	1.72	Biological	11.97	0.82
SPI1-270-300	C	4/16/2011	20:39:43	1521	13.5	1	14.51	>4	2	>4	>4 to 2	191.61	13.20	12.77	13.69	0.92	Biological	30.45	2.10
SPI1-270-400	A	4/16/2011	20:47:26	1521	13.5	1	14.51	>4	2	>4	>4 to 2	223.38	15.39	15.05	15.63	0.58	Biological	8.13	0.56
SPI1-270-400	B	4/16/2011	20:54:23	1521	13.5	1	14.51	>4	2	>4	>4 to 2	257.92	17.77	16.60	18.29	1.70	Physical	19.49	1.34
SPI1-270-400	C	4/16/2011	21:02:42	1521	13.5	1	14.51	>4	2	>4	>4 to 2	208.40	14.36	14.08	14.66	0.58	Biological	6.22	0.43
SPI1-270-500	A	4/16/2011	21:09:35	1521	13.5	1	14.51	>4	2	>4	>4 to 2	218.68	15.07	14.49	15.58	1.09	Biological	28.59	1.97
SPI1-270-500	B	4/16/2011	21:16:23	1521	13.5	1	14.51	>4	2	>4	>4 to 2	192.60	13.27	12.29	14.39	2.11	Biological	5.93	0.41
SPI1-270-500	C	4/16/2011	21:23:35	1521	13.5	1	14.51	>4	2	>4	>4 to 2	184.96	12.74	11.90	13.38	1.48	Biological	8.42	0.58
SPI1-270-700	A	4/16/2011	21:49:04	1522	13.5	1	14.51	>4	2	>4	>4 to 2	197.27	13.59	13.30	14.08	0.77	Biological	13.61	0.94
SPI1-270-700	B	4/16/2011	21:56:17	1522	13.5	1	14.51	>4	2	>4	>4 to 2	194.72	13.42	13.08	13.84	0.75	Biological	27.65	1.90
SPI1-270-700	C	4/16/2011	22:03:04	1523	13.5	1	14.51	>4	2	>4	>4 to 2	216.90	14.94	14.68	15.14	0.46	Biological	19.09	1.32

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-270-900	A	4/16/2011	22:25:11	1524	13.5	1	14.51	>4	2	>4	>4 to 2	199.65	13.76	13.74	13.93	0.19	Biological	26.21	1.81
SPI1-270-900	B	4/16/2011	22:35:08	1524	13.5	1	14.51	>4	2	>4	>4 to 2	223.47	15.40	15.02	15.61	0.58	Biological	32.09	2.21
SPI1-270-900	C	4/16/2011	22:42:06	1524	13.5	1	14.51	>4	2	>4	>4 to 2	156.52	10.78	10.25	11.17	0.92	Physical	13.10	0.90
SPI1-270-1100	A	4/16/2011	23:05:01	1524	13.5	1	14.51	>4	2	>4	>4 to 2	226.00	15.57	15.43	15.80	0.36	Biological	22.05	1.52
SPI1-270-1100	B	4/16/2011	23:12:20	1523	13.5	1	14.51	>4	2	>4	>4 to 2	225.88	15.56	14.81	16.48	1.67	Biological	18.39	1.27
SPI1-270-1100	C	4/16/2011	23:19:04	1523	13.5	1	14.51	>4	2	>4	>4 to 2	225.21	15.52	15.00	15.92	0.92	Biological	22.43	1.55
SPI1-270-1300	A	4/16/2011	23:42:38	1521	13.5	1	14.51	>4	2	>4	>4 to 2	235.62	16.23	16.14	16.38	0.24	Biological	26.02	1.79
SPI1-270-1300	B	4/16/2011	23:49:14	1521	13.5	1	14.51	>4	2	>4	>4 to 2	236.92	16.32	14.93	17.18	2.25	Biological	25.25	1.74
SPI1-270-1300	C	4/16/2011	23:56:15	1520	13.5	1	14.51	>4	2	>4	>4 to 2	210.33	14.49	13.79	15.75	1.96	Physical	21.21	1.46
SPI1-270-1500	A	4/17/2011	0:18:51	1519	13.5	1	14.51	>4	2	>4	>4 to 2	236.64	16.30	16.04	16.62	0.58	Biological	29.76	2.05
SPI1-270-1500	B	4/17/2011	0:24:48	1518	13.5	1	14.51	>4	2	>4	>4 to 2	236.02	16.26	15.41	16.95	1.54	Biological	23.06	1.59
SPI1-270-1500	C	4/17/2011	0:30:10	1518	13.5	1	14.51	>4	2	>4	>4 to 2	223.39	15.39	14.46	15.87	1.41	Biological	17.65	1.22
SPI1-270-1700	A	4/17/2011	0:54:36	1516	13.5	1	14.51	>4	2	>4	>4 to 2	222.56	15.33	14.60	15.98	1.38	Biological	21.65	1.49
SPI1-270-1700	B	4/17/2011	1:00:18	1515	13.5	1	14.51	>4	2	>4	>4 to 2	224.48	15.47	14.70	15.95	1.24	Biological	23.69	1.63
SPI1-270-1700	C	4/17/2011	1:06:01	1515	13.5	1	14.51	>4	2	>4	>4 to 2	217.70	15.00	14.47	16.01	1.55	Biological	25.40	1.75
SPI1-270-1900	A	4/17/2011	1:32:31	1512	13.5	1	14.51	>4	2	>4	>4 to 2	260.90	17.98	17.45	18.60	1.14	Biological	22.92	1.58
SPI1-270-1900	B	4/17/2011	1:38:56	1511	13.5	1	14.51	>4	2	>4	>4 to 2	204.15	14.07	13.19	15.34	2.15	Biological	15.67	1.08
SPI1-270-1900	C	4/17/2011	1:44:47	1511	13.5	1	14.51	>4	2	>4	>4 to 2	229.09	15.78	14.83	16.61	1.78	Biological	34.91	2.41
SPI1-270-2100	A	4/17/2011	2:14:30	1507	13.5	1	14.51	>4	2	>4	>4 to 2	237.21	16.34	15.71	17.15	1.44	Biological	10.93	0.75
SPI1-270-2100	B	4/17/2011	2:21:52	1507	13.5	1	14.51	>4	2	>4	>4 to 2	256.95	17.70	17.08	18.16	1.08	Biological	18.66	1.29
SPI1-270-2100	C	4/17/2011	2:31:36	1506	13.5	1	14.51	>4	2	>4	>4 to 2	222.98	15.36	14.74	15.77	1.03	Biological	45.21	3.12
SPI1-270-2300	A	4/17/2011	3:01:34	1504	13.5	1	14.51	>4	2	>4	>4 to 2	225.23	15.52	15.17	15.98	0.80	Biological	34.60	2.38
SPI1-270-2300	B	4/17/2011	3:07:49	1504	13.5	1	14.51	>4	2	>4	>4 to 2	221.78	15.28	14.81	15.85	1.04	Biological	32.02	2.21
SPI1-270-2300	C	4/17/2011	3:14:31	1502	13.5	1	14.51	>4	2	>4	>4 to 2	209.55	14.44	14.15	14.66	0.51	Biological	28.18	1.94
SPI1-270-2500	A	4/17/2011	3:44:41	1500	13.5	1	14.51	>4	3	>4	>4 to 3	173.20	11.93	11.31	12.92	1.61	Biological	17.92	1.23
SPI1-270-2500	B	4/17/2011	3:52:29	1499	13.5	1	14.51	>4	2	>4	>4 to 2	213.85	14.73	14.33	14.96	0.63	Biological	32.65	2.25
SPI1-270-2500	C	4/17/2011	3:59:09	1499	13.5	1	14.51	>4	3	>4	>4 to 3	201.62	13.89	13.50	14.27	0.77	Biological	29.96	2.06
SPI1-270-2800	A	4/17/2011	4:46:07	1493	13.5	1	14.51	>4	2	>4	>4 to 2	217.18	14.96	14.56	15.54	0.99	Biological	27.77	1.91
SPI1-270-2800	B	4/17/2011	4:54:24	1494	13.5	1	14.51	>4	2	>4	>4 to 2	211.14	14.55	14.30	14.77	0.47	Biological	31.86	2.19
SPI1-270-2800	C	4/17/2011	5:03:02	1494	13.5	1	14.51	>4	2	>4	>4 to 2	243.92	16.81	16.38	17.45	1.07	Biological	21.68	1.49
SPI1-270-3400	A	4/17/2011	8:17:09	1492	13.5	1	14.51	>4	2	>4	>4 to 2	222.78	15.35	14.70	15.81	1.11	Biological	28.71	1.98
SPI1-270-3400	B	4/17/2011	8:24:07	1490	13.5	1	14.51	>4	2	>4	>4 to 2	240.52	16.57	16.01	17.05	1.03	Biological	18.66	1.29
SPI1-270-3400	C	4/17/2011	8:31:39	1490	13.5	1	14.51	>4	2	>4	>4 to 2	235.03	16.19	15.35	16.71	1.36	Biological	26.24	1.81
SPI1-270-3700	A	4/17/2011	9:11:51	1494	13.5	1	14.51	>4	2	>4	>4 to 2	248.86	17.15	15.81	18.05	2.24	Biological	18.49	1.27
SPI1-270-3700	B	4/17/2011	9:19:45	1495	13.5	1	14.51	>4	3	>4	>4 to 3	242.03	16.68	15.91	17.31	1.41	Biological	29.35	2.02
SPI1-270-3700	C	4/17/2011	9:27:29	1495	13.5	1	14.51	>4	2	>4	>4 to 2	220.91	15.22	14.53	15.88	1.35	Biological	26.67	1.84
SPI1-270-4000	A	4/17/2011	10:08:21	1504	13.5	1	14.51	>4	2	>4	>4 to 2	248.80	17.14	16.85	17.38	0.53	Biological	24.06	1.66

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-270-4000	B	4/17/2011	10:17:54	1505	13.5	1	14.51	>4	2	>4	>4 to 2	221.32	15.25	14.74	15.78	1.04	Biological	14.76	1.02
SPI1-270-4000	C	4/17/2011	10:27:30	1506	13.5	1	14.51	>4	2	>4	>4 to 2	231.74	15.97	15.65	16.45	0.80	Biological	34.03	2.34
SPI1-270-4300	A	4/17/2011	11:09:41	1507	13.5	1	14.51	>4	2	>4	>4 to 2	244.83	16.87	16.51	17.52	1.01	Biological	28.53	1.97
SPI1-270-4300	B	4/17/2011	11:16:54	1509	13.5	1	14.51	>4	2	>4	>4 to 2	252.98	17.43	17.29	17.72	0.43	Biological	24.30	1.67
SPI1-270-4300	C	4/17/2011	11:28:36	1509	13.5	1	14.51	>4	2	>4	>4 to 2	259.04	17.85	17.59	18.16	0.57	Biological	24.66	1.70
SPI1-270-4600	A	4/17/2011	12:09:16	1511	13.5	1	14.51	>4	2	>4	>4 to 2	227.44	15.67	15.17	16.05	0.88	Biological	27.14	1.87
SPI1-270-4600	B	4/17/2011	12:22:49	1511	13.5	1	14.51	>4	2	>4	>4 to 2	226.28	15.59	15.07	16.28	1.21	Biological	26.21	1.81
SPI1-270-4600	C	4/17/2011	12:35:23	1511	13.5	1	14.51	>4	2	>4	>4 to 2	255.73	17.62	17.45	18.02	0.57	Biological	22.04	1.52
SPI1-270-4900	A	4/17/2011	13:05:40	1513	13.5	1	14.51	>4	2	>4	>4 to 2	224.58	15.47	14.47	16.41	1.94	Biological	30.10	2.07
SPI1-270-4900	B	4/17/2011	13:14:38	1511	13.5	1	14.51	>4	2	>4	>4 to 2	208.16	14.34	13.80	15.04	1.24	Biological	28.30	1.95
SPI1-270-4900	C	4/17/2011	13:23:04	1510	13.5	1	14.51	>4	2	>4	>4 to 2	242.72	16.72	16.22	17.19	0.97	Biological	24.27	1.67
SPI1-270-5200	A	4/17/2011	13:56:15	1513	13.5	1	14.51	>4	2	>4	>4 to 2	233.72	16.10	15.71	16.47	0.77	Biological	16.05	1.11
SPI1-270-5200	B	4/17/2011	14:05:36	1512	13.5	1	14.51	>4	2	>4	>4 to 2	229.94	15.84	15.38	16.38	1.00	Biological	22.78	1.57
SPI1-270-5200	C	4/17/2011	14:13:04	1512	13.5	1	14.51	>4	2	>4	>4 to 2	236.10	16.27	15.78	16.61	0.83	Biological	25.45	1.75
SPI1-270-5500	A	4/17/2011	14:45:08	1512	13.5	1	14.51	>4	2	>4	>4 to 2	230.10	15.85	15.58	16.26	0.68	Biological	34.76	2.39
SPI1-270-5500	B	4/17/2011	14:55:14	1511	13.5	1	14.51	>4	2	>4	>4 to 2	234.92	16.19	15.24	17.49	2.25	Biological	15.72	1.08
SPI1-270-5500	C	4/17/2011	15:05:11	1510	13.5	1	14.51	>4	2	>4	>4 to 2	49.73	3.43	3.03	3.71	0.68	Biological	27.62	1.90
SPI1-315-200	A	4/14/2011	21:27:37	1512	13.5	1	14.51	>4	3	>4	>4 to 3	315.46	21.73	21.73	21.73	Ind	Ind	Ind	Ind
SPI1-315-200	B	4/14/2011	21:34:06	1512	13.5	1	14.51	>4	3	>4	>4 to 3	264.52	18.22	17.93	19.09	1.16	Biological	10.33	0.71
SPI1-315-200	C	4/14/2011	21:39:59	1514	13.5	1	14.51	>4	3	>4	>4 to 3	285.34	19.66	19.26	20.20	0.94	Physical	5.12	0.35
SPI1-315-300	A	4/14/2011	21:04:08	1508	13.5	1	14.51	>4	3	>4	>4 to 3	315.46	21.73	21.73	21.73	Ind	Ind	Ind	Ind
SPI1-315-300	B	4/14/2011	21:08:30	1509	13.5	1	14.51	>4	3	>4	>4 to 3	298.53	20.57	19.82	21.52	1.70	Physical	10.07	0.69
SPI1-315-300	C	4/14/2011	21:14:23	1510	13.5	1	14.51	>4	3	>4	>4 to 3	260.48	17.95	17.47	19.19	1.72	Biological	12.81	0.88
SPI1-315-400	A	4/14/2011	20:32:49	1507	13.5	1	14.51	>4	3	>4	>4 to 3	305.64	21.06	20.78	21.22	0.44	Biological	Ind	Ind
SPI1-315-400	B	4/14/2011	20:40:36	1509	13.5	1	14.51	>4	3	>4	>4 to 3	315.46	21.73	21.73	21.73	Ind	Ind	Ind	Ind
SPI1-315-400	C	4/14/2011	20:47:21	1508	13.5	1	14.51	>4	3	>4	>4 to 3	315.46	21.73	21.73	21.73	Ind	Ind	Ind	Ind
SPI1-315-500	A	4/14/2011	20:11:52	1504	13.5	1	14.51	>4	2	>4	>4 to 2	258.88	17.84	17.52	18.19	0.67	Biological	9.42	0.65
SPI1-315-500	B	4/14/2011	20:17:42	1505	13.5	1	14.51	>4	2	>4	>4 to 2	276.7069	19.06	18.36	19.54	1.18	Biological	13.66	0.94
SPI1-315-500	C	4/14/2011	20:24:13	1506	13.5	1	14.51	>4	2	>4	>4 to 2	255.3956	17.60	16.95	18.06	1.11	Biological	4.77	0.33

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-315-700	A	4/14/2011	19:26:33	1499	13.5	1	14.51	>4	2	>4	>4 to 2	244.897	16.87	16.44	17.29	0.85	Biological	3.89	0.27
SPI1-315-700	B	4/14/2011	19:34:03	1499	13.5	1	14.51	>4	2	>4	>4 to 2	235.9838	16.26	15.37	17.02	1.65	Physical	3.72	0.26
SPI1-315-700	C	4/14/2011	19:41:29	1501	13.5	1	14.51	>4	2	>4	>4 to 2	255.8624	17.63	17.35	17.89	0.54	Biological	10.34	0.71
SPI1-315-900	A	4/14/2011	18:52:15	1494	13.5	1	14.51	>4	2	>4	>4 to 2	244.0656	16.82	16.51	17.05	0.54	Biological	21.45	1.48
SPI1-315-900	B	4/14/2011	18:58:16	1494	13.5	1	14.51	>4	2	>4	>4 to 2	240.5738	16.58	16.37	16.94	0.57	Biological	22.82	1.57
SPI1-315-900	C	4/14/2011	19:03:16	1495	13.5	1	14.51	>4	2	>4	>4 to 2	230.5306	15.88	15.47	16.92	1.44	Physical	5.38	0.37
SPI1-315-1100	A	4/14/2011	17:15:04	1477	13.5	1	14.51	>4	2	>4	>4 to 2	228.97	15.77	14.39	17.15	2.76	Physical	24.1	1.66
SPI1-315-1100	B	4/14/2011	17:20:59	1478	13.5	1	14.51	>4	2	>4	>4 to 2	224.56	15.45	13.07	17.52	4.45	Biological	17.4	1.20
SPI1-315-1100	C	4/14/2011	17:28:12	1479	13.5	1	14.51	>4	2	>4	>4 to 2	252.49	17.39	17.05	18.24	1.19	Biological	17.09	1.18
SPI1-315-1300	A	4/14/2011	16:41:45	1472	13.5	1	14.51	>4	2	>4	>4 to 2	215.25	14.81	13.78	15.98	2.20	Physical	38.66	2.66
SPI1-315-1300	B	4/14/2011	16:46:54	1473	13.5	1	14.51	>4	2	>4	>4 to 2	233.78	16.09	15.76	16.36	0.60	Biological	34.23	2.36
SPI1-315-1300	C	4/14/2011	16:54:01	1474	13.5	1	14.51	>4	2	>4	>4 to 2	229.21	15.77	15.62	16.12	0.50	Biological	36.28	2.50
SPI1-315-1500	A	4/14/2011	15:14:48	1467	13.5	1	14.51	>4	2	>4	>4 to 2	215.53	14.83	14.43	15.12	0.69	Biological	29.14	2.01
SPI1-315-1500	B	4/14/2011	15:20:56	1468	13.5	1	14.51	>4	2	>4	>4 to 2	218.27	15.02	13.69	17.12	3.43	Physical	29.86	2.06
SPI1-315-1500	C	4/14/2011	15:27:46	1469	13.5	1	14.51	>4	2	>4	>4 to 2	232.86	16.03	15.25	17.01	1.76	Biological	38.09	2.62
SPI1-315-1700	A	4/14/2011	14:39:42	1462	13.5	1	14.51	>4	2	>4	>4 to 2	243.61	16.77	16.26	17.15	0.89	Biological	33.24	2.29
SPI1-315-1700	B	4/14/2011	14:46:26	1463	13.5	1	14.51	>4	2	>4	>4 to 2	241.77	16.64	16.11	17.06	0.95	Biological	38.92	2.68
SPI1-315-1700	C	4/14/2011	14:53:44	1464	13.5	1	14.51	>4	2	>4	>4 to 2	225.91	15.57	15.44	16.02	0.58	Biological	20.19	1.39
SPI1-315-1900	A	4/14/2011	14:04:51	1457	13.5	1	14.51	>4	2	>4	>4 to 2	219.97	15.14	14.53	15.97	1.44	Biological	42.96	2.96
SPI1-315-1900	B	4/14/2011	14:12:20	1458	13.5	1	14.51	>4	2	>4	>4 to 2	240.13	16.53	16.29	16.85	0.56	Biological	32.16	2.21
SPI1-315-1900	C	4/14/2011	14:18:47	1458	13.5	1	14.51	>4	2	>4	>4 to 2	230.93	15.89	15.55	16.22	0.67	Biological	36.08	2.48
SPI1-315-2100	A	4/14/2011	13:30:23	1451	13.5	1	14.51	>4	2	>4	>4 to 2	247.86	17.08	16.59	17.83	1.24	Biological	38.53	2.66
SPI1-315-2100	B	4/14/2011	13:37:41	1452	13.5	1	14.51	>4	2	>4	>4 to 2	230.41	15.86	14.45	18	3.55	Biological	33.64	2.32
SPI1-315-2100	C	4/14/2011	13:44:23	1453	13.5	1	14.51	>4	2	>4	>4 to 2	239.4	16.48	15.04	18.11	2.96	Biological	28.36	1.95
SPI1-315-2300	A	4/14/2011	12:56:43	1445	13.5	1	14.51	>4	2	>4	>4 to 2	229.97	15.83	15.50	16.32	0.82	Biological	36.61	2.52
SPI1-315-2300	B	4/14/2011	13:03:47	1446	13.5	1	14.51	>4	2	>4	>4 to 2	227.15	15.63	15.31	15.86	0.55	Biological	38.08	2.62
SPI1-315-2300	C	4/14/2011	13:10:35	1447	13.5	1	14.51	>4	2	>4	>4 to 2	227.25	15.67	15.26	15.93	0.67	Biological	38.01	2.62
SPI1-315-2500	A	4/14/2011	12:24:26	1439	13.5	1	14.51	>4	2	>4	>4 to 2	260.34	17.92	17.14	18.81	1.67	Biological	34.28	2.36
SPI1-315-2500	B	4/14/2011	12:29:33	1439	13.5	1	14.51	>4	2	>4	>4 to 2	247.2	17.01	16.51	17.47	0.96	Biological	36.02	2.48
SPI1-315-2500	C	4/14/2011	12:35:24	1440	13.5	1	14.51	>4	2	>4	>4 to 2	245.74	16.91	16.20	17.66	1.46	Physical	43.23	2.98
SPI1-315-2800	A	4/14/2011	11:37:31	1430	13.5	1	14.51	>4	2	>4	>4 to 2	241.55	16.62	16.33	17.02	0.69	Biological	39.4	2.71
SPI1-315-2800	B	4/14/2011	11:41:34	1430	13.5	1	14.51	>4	2	>4	>4 to 2	206.97	14.24	13.43	14.86	1.43	Biological	44.12	3.04
SPI1-315-2800	C	4/14/2011	11:45:15	1430	13.5	1	14.51	>4	2	>4	>4 to 2	228.35	15.73	15.61	16.08	0.47	Biological	46.57	3.21
SPI1-315-3100	A	4/14/2011	10:44:32	1420	13.5	1	14.51	>4	2	>4	>4 to 2	251.54	17.31	17.12	17.58	0.46	Biological	35.02	2.41
SPI1-315-3100	B	4/14/2011	10:51:10	1421	13.5	1	14.51	>4	2	>4	>4 to 2	249.99	17.21	17.06	17.61	0.55	Biological	35.62	2.45
SPI1-315-3100	C	4/14/2011	10:57:10	1421	13.5	1	14.51	>4	2	>4	>4 to 2	244.92	16.86	14.66	18.58	3.92	Biological	45.25	3.11
SPI1-315-3400	A	4/20/2011	8:36:02	1423	13.5	1	14.51	>4	2	>4	>4 to 2	298.91	20.59	20.24	21.73	Ind	Ind	Ind	Ind
SPI1-315-3400	B	4/20/2011	8:43:18	1422	13.5	1	14.51	>4	2	>4	>4 to 2	248.64	17.11	16.51	17.55	1.04	Biological	40.18	2.77
SPI1-315-3400	C	4/20/2011	8:50:10	1422	13.5	1	14.51	>4	2	>4	>4 to 2	254.11	17.51	17.01	18.12	1.11	Biological	37.18	2.56
SPI1-315-3700	A	4/20/2011	10:45:47	1416	13.5	1	14.51	>4	2	>4	>4 to 2	238.89	16.48	15.70	16.94	1.24	Biological	38.03	2.62
SPI1-315-3700	B	4/20/2011	10:54:16	1417	13.5	1	14.51	>4	2	>4	>4 to 2	234.4	16.15	15.94	16.43	0.49	Biological	23.14	1.59
SPI1-315-3700	C	4/20/2011	11:03:47	1416	13.5	1	14.51	>4	2	>4	>4 to 2	234.67	16.17	15.95	16.53	0.58	Biological	39.48	2.72
SPI1-315-4000	A	4/20/2011	11:45:59	1410	13.5	1	14.51	>4	2	>4	>4 to 2	239.94	16.51	16.35	17.01	0.66	Biological	33.2	2.28

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-315-4000	B	4/20/2011	11:53:19	1409	13.5	1	14.51	>4	2	>4	>4 to 2	239.43	16.49	16.27	16.81	0.54	Biological	32.47	2.24
SPI1-315-4000	C	4/20/2011	12:02:45	1408	13.5	1	14.51	>4	2	>4	>4 to 2	229.99	15.83	15.61	16.07	0.46	Biological	33.81	2.33
SPI1-315-4300	A	4/20/2011	12:43:30	1405	13.5	1	14.51	>4	2	>4	>4 to 2	242.9	16.72	16.35	16.92	0.57	Biological	36.2	2.49
SPI1-315-4300	B	4/20/2011	12:50:30	1406	13.5	1	14.51	>4	2	>4	>4 to 2	239.64	16.49	16.36	16.85	0.49	Biological	32.74	2.25
SPI1-315-4300	C	4/20/2011	12:58:54	1404	13.5	1	14.51	>4	2	>4	>4 to 2	222.17	15.32	14.09	16.15	2.06	Biological	26.96	1.86
SPI1-315-4600	A	4/20/2011	13:31:30	1401	13.5	1	14.51	>4	2	>4	>4 to 2	226.78	15.61	15.48	15.89	0.41	Biological	34.79	2.39
SPI1-315-4600	B	4/20/2011	13:41:06	1401	13.5	1	14.51	>4	2	>4	>4 to 2	235.54	16.22	15.36	17.09	1.73	Biological	37.59	2.59
SPI1-315-4600	C	4/20/2011	13:49:28	1399	13.5	1	14.51	>4	2	>4	>4 to 2	238.02	16.42	15.94	16.85	0.91	Biological	39.95	2.76
SPI1-315-4900	A	4/20/2011	14:24:51	1397	13.5	1	14.51	>4	2	>4	>4 to 2	224.42	15.45	15.20	16	0.80	Biological	31.63	2.18
SPI1-315-4900	B	4/20/2011	14:34:18	1397	13.5	1	14.51	>4	2	>4	>4 to 2	231.7	15.96	15.77	16.18	0.41	Biological	29.77	2.05
SPI1-315-4900	C	4/20/2011	14:44:00	1396	13.5	1	14.51	>4	2	>4	>4 to 2	241.72	16.64	16.53	17.06	0.53	Biological	38.29	2.64
SPI1-315-5200	A	4/20/2011	15:16:41	1390	13.5	1	14.51	>4	2	>4	>4 to 2	219.61	15.14	14.77	15.49	0.72	Biological	38.8	2.67
SPI1-315-5200	B	4/20/2011	15:27:18	1388	13.5	1	14.51	>4	2	>4	>4 to 2	231.03	15.92	15.27	16.35	1.08	Biological	38.49	2.65
SPI1-315-5200	C	4/20/2011	15:39:30	1387	13.5	1	14.51	>4	2	>4	>4 to 2	231	15.90	15.31	16.22	0.91	Biological	39.87	2.74
SPI1-315-5500	A	4/20/2011	16:17:11	1383	13.5	1	14.51	>4	2	>4	>4 to 2	217.9	15.00	14.34	15.31	0.97	Biological	29.48	2.03
SPI1-315-5500	B	4/20/2011	16:27:09	1374	13.5	1	14.51	>4	2	>4	>4 to 2	226.7	15.59	15.25	15.9	0.65	Biological	33.75	2.32
SPI1-315-5500	C	4/20/2011	16:38:26	1380	13.5	1	14.51	>4	2	>4	>4 to 2	214.21	14.74	14.77	15.09	0.32	Biological	29.84	2.05
SPI1-RK-MT2	A	4/8/2011	5:54:02	668	14	2	14.51	>4	2	>4	>4 to 2	272.64	18.78	17.85	19.72	1.87	Biological	17.69	1.22
SPI1-RK-MT2	B	4/8/2011	6:02:49	669	14	2	14.51	>4	2	>4	>4 to 2	262.8	18.09	17.45	18.56	1.11	Biological	18.34	1.26
SPI1-RK-MT2	C	4/8/2011	6:08:31	670	14	2	14.51	>4	2	>4	>4 to 2	298.77	20.58	19.78	21.06	1.28	Biological	28.75	1.98
SPI1-RK-MT3	A	4/8/2011	17:50:19	972	13.5	1	14.51	>4	2	>4	>4 to 2	236.59	16.31	14.72	18.18	3.46	Physical	34.67	2.39
SPI1-RK-MT3	B	4/8/2011	17:57:35	972	13.5	1	14.51	>4	2	>4	>4 to 2	266.91	18.41	17.44	19.2	1.76	Biological	38.93	2.68
SPI1-RK-MT3	C	4/8/2011	18:00:47	972	13.5	1	14.51	>4	2	>4	>4 to 2	264.21	18.20	17.04	19.22	2.18	Biological	53.15	3.66
SPI1-RK-HiPro	A	4/9/2011	12:19:55	1557	13.5	1	14.51	>4	2	>4	>4 to 2	233.61	16.12	15.36	16.62	1.26	Biological	42.61	2.94
SPI1-RK-HiPro	B	4/9/2011	12:27:16	1557	13.5	1	14.51	>4	2	>4	>4 to 2	226.26	15.59	15.09	16.44	1.35	Biological	27.85	1.92
SPI1-RK-HiPro	C	4/9/2011	12:34:59	1557	13.5	1	14.51	>4	2	>4	>4 to 2	241.78	16.66	16.27	17.12	0.85	Biological	46.14	3.18
SPI1-LBNL7	A	4/9/2011	15:02:23	1529	13.5	1	14.51	>4	2	>4	>4 to 2	232.55	16.00	15.03	16.82	1.79	Biological	32.88	2.26
SPI1-LBNL7	B	4/9/2011	15:08:46	1529	13.5	1	14.51	>4	2	>4	>4 to 2	243.21	16.81	16.44	17.07	0.63	Biological	35.8	2.47
SPI1-LBNL7	C	4/9/2011	15:13:27	1529	13.5	1	14.51	>4	2	>4	>4 to 2	238	16.40	16.17	16.86	0.69	Biological	34.93	2.41
SPI1-MC292/FF005	A	4/14/2011	5:51:45	981	13.5	1	14.51	>4	2	>4	>4 to 2	177.51	12.22	11.38	12.62	1.24	Biological	38.61	2.66
SPI1-MC292/FF005	B	4/14/2011	6:00:03	981	13.5	1	14.51	>4	2	>4	>4 to 2	249.64	17.18	13.88	19	5.12	Biological	35.52	2.45
SPI1-MC292/FF005	C	4/14/2011	6:10:52	980	13.5	1	14.51	>4	2	>4	>4 to 2	189.18	13.03	12.40	13.78	1.38	Biological	25.21	1.74
SPI1-2.21	A	4/14/2011	8:01:37	1342	13.5	1	14.51	>4	2	>4	>4 to 2	183.61	12.65	11.52	13.83	2.31	Physical	26.11	1.80
SPI1-2.21	B	4/14/2011	8:07:50	1343	13.5	1	14.51	>4	2	>4	>4 to 2	219.7	15.14	14.44	15.99	1.55	Biological	37.3	2.57
SPI1-2.21	C	4/14/2011	8:13:11	1343	13.5	1	14.51	>4	2	>4	>4 to 2	241.66	16.63	16.27	17.27	1.00	Biological	32.28	2.22
SPI1-NF010	A	4/14/2011	9:48:44	1421	13.5	1	14.51	>4	2	>4	>4 to 2	244.8	16.85	16.26	17.32	1.06	Biological	32.05	2.21
SPI1-NF010	B	4/14/2011	9:57:50	1421	13.5	1	14.51	>4	2	>4	>4 to 2	233.08	16.04	15.82	16.3	0.48	Biological	34.85	2.40
SPI1-NF010	C	4/14/2011	10:04:30	1421	13.5	1	14.51	>4	2	>4	>4 to 2	240.43	16.55	16.11	17.03	0.92	Biological	27.44	1.89
SPI1-D044S	A	4/14/2011	18:01:06	1490	13.5	1	14.51	>4	2	>4	>4 to 2	226.89	15.62	15.30	15.94	0.64	Biological	32.14	2.21
SPI1-D044S	B	4/14/2011	18:07:37	1491	13.5	1	14.51	>4	2	>4	>4 to 2	236.06	16.27	15.87	16.74	0.87	Biological	35.58	2.45
SPI1-D044S	C	4/14/2011	18:13:07	1492	13.5	1	14.51	>4	2	>4	>4 to 2	251.82	17.35	16.64	18.22	1.58	Biological	34.94	2.41
SPI1-D042S	A	4/14/2011	19:43:54	1501	13.5	1	14.51	>4	2	>4	>4 to 2	246.4	16.96	16.76	17.42	0.66	Biological	10.4	0.72
SPI1-D042S	B	4/14/2011	19:49:10	1504	13.5	1	14.51	>4	2	>4	>4 to 2	267.22	18.40	18.27	18.85	0.58	Biological	10.49	0.72
SPI1-D042S	C	4/14/2011	19:54:18	1501	13.5	1	14.51	>4	2	>4	>4 to 2	284.74	19.64	19.06	20.07	1.01	Biological	23.87	1.64
SPI1-D038SW	A	4/14/2011	20:51:22	1508	13.5	1	14.51	>4	3	>4	>4 to 3	269.65	18.60	17.21	19.67	2.46	Physical	9.64	0.66
SPI1-D038SW	B	4/14/2011	20:57:42	1508	13.5	1	14.51	>4	3	>4	>4 to 3	230.36	15.85	15.36	17	1.64	Physical	12.8	0.88

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-D038SW	C	4/14/2011	21:01:36	1508	13.5	1	14.51	>4	3	>4	>4 to 3	274.36	18.90	18.35	19.78	1.43	Physical	7.74	0.52
SPI1-A-86	A	4/15/2011	20:03:00	1589	13.5	1	14.51	>4	2	>4	>4 to 2	214.87	14.79	14.40	15.13	0.73	Biological	30.96	2.13
SPI1-A-86	B	4/15/2011	20:14:13	1582	13.5	1	14.51	>4	2	>4	>4 to 2	228.63	15.74	15.40	16.35	0.95	Biological	23.91	1.65
SPI1-A-86	C	4/15/2011	20:23:02	1582	13.5	1	14.51	>4	2	>4	>4 to 2	220.24	15.17	14.39	16.36	1.97	Biological	31.01	2.14
SPI1-NF009/270-3100	A	4/17/2011	7:15:01	1490	13.5	1	14.51	>4	2	>4	>4 to 2	245.7	16.92	16.42	17.36	0.94	Biological	16.64	1.15
SPI1-NF009/270-3100	B	4/17/2011	7:23:12	1490	13.5	1	14.51	>4	2	>4	>4 to 2	288.68	19.88	18.12	21.57	3.45	Biological	40.08	2.76
SPI1-NF009/270-3100	C	4/17/2011	7:30:32	1492	13.5	1	14.51	>4	2	>4	>4 to 2	244.18	16.81	16.26	17.47	1.21	Biological	40.32	2.78
SPI1-LBNL14	A	4/17/2011	17:01:10	1537	13.5	1	14.51	>4	2	>4	>4 to 2	221.57	15.28	14.71	15.42	0.71	Biological	31.5	2.17
SPI1-LBNL14	B	4/17/2011	17:08:43	1536	13.5	1	14.51	>4	2	>4	>4 to 2	220.4	15.17	13.71	16.15	2.44	Biological	32.26	2.22
SPI1-LBNL14	C	4/17/2011	17:16:06	1536	13.5	1	14.51	>4	2	>4	>4 to 2	228.4	15.74	14.76	16.77	2.01	Biological	35.91	2.47
SPI1-NF008	A	4/17/2011	21:11:04	1583	13.5	1	14.51	>4	2	>4	>4 to 2	239.42	16.50	15.85	17.2	1.35	Biological	39.14	2.70
SPI1-NF008	B	4/17/2011	22:16:56	1582	13.5	1	14.51	>4	2	>4	>4 to 2	164	11.29	9.73	14.09	4.36	Biological	20.89	1.44
SPI1-NF008	C	4/17/2011	22:22:45	1582	13.5	1	14.51	>4	2	>4	>4 to 2	221.66	15.29	14.49	16.53	2.04	Biological	33.77	2.33
SPI1-LBNL1	A	4/18/2011	5:47:16	1561	13.5	1	14.51	>4	2	>4	>4 to 2	231.15	15.93	15.65	16.31	0.66	Physical	10.73	0.74
SPI1-LBNL1	B	4/18/2011	5:52:47	1560	13.5	1	14.51	>4	2	>4	>4 to 2	233.24	16.06	15.61	16.89	1.28	Biological	12.66	0.87
SPI1-LBNL1	C	4/18/2011	5:59:27	1558	13.5	1	14.51	>4	2	>4	>4 to 2	236.47	16.35	15.82	16.73	0.91	Physical	17.12	1.18
SPI1-ALTNF001	A	4/18/2011	8:42:09	1548	13.5	1	14.51	>4	2	>4	>4 to 2	235.97	16.25	16.04	17.03	0.99	Physical	14.42	0.99
SPI1-ALTNF001	B	4/18/2011	8:47:28	1546	13.5	1	14.51	>4	2	>4	>4 to 2	252.56	17.38	16.91	17.94	1.03	Physical	13.72	0.95
SPI1-ALTNF001	C	4/18/2011	8:53:11	1544	13.5	1	14.51	>4	2	>4	>4 to 2	234.05	16.11	14.83	17.67	2.84	Physical	15.46	1.07
SPI1-CH_Well	A	4/18/2011	15:20:14	1526	13.5	1	14.51	>4	2	>4	>4 to 2	255.45	17.61	16.90	17.99	1.09	Physical	6.44	0.44
SPI1-CH_Well	B	4/18/2011	15:36:42	1526	13.5	1	14.51	>4	2	>4	>4 to 2	235.55	16.22	15.81	16.77	0.96	Physical	8.14	0.56
SPI1-CH_Well	C	4/18/2011	15:47:28	1524	13.5	1	14.51	>4	2	>4	>4 to 2	248.39	17.11	16.53	17.48	0.95	Physical	10.58	0.73
SPI1-RIP_D040S	A	4/18/2011	16:48:58	1517	13.5	1	14.51	>4	2	>4	>4 to 2	251.04	17.28	16.95	17.73	0.78	Physical	9.61	0.66
SPI1-RIP_D040S	B	4/18/2011	16:55:30	1516	13.5	1	14.51	>4	2	>4	>4 to 2	238.13	16.41	16.06	17.21	1.15	Physical	8.98	0.62
SPI1-RIP_D040S	C	4/18/2011	17:01:18	1517	13.5	1	14.51	>4	2	>4	>4 to 2	235.61	16.25	15.31	17.74	2.43	Physical	10.48	0.72
SPI1-D040S	A	4/18/2011	17:23:47	1516	13.5	1	14.51	>4	2	>4	>4 to 2	247.69	17.07	16.86	17.39	0.53	Physical	6.95	0.48
SPI1-D040S	B	4/18/2011	17:31:47	1515	13.5	1	14.51	>4	2	>4	>4 to 2	256.6	17.66	17.41	17.99	0.58	Physical	3.19	0.22
SPI1-D040S	C	4/18/2011	17:38:25	1514	13.5	1	14.51	>4	2	>4	>4 to 2	237.38	16.34	16.03	16.89	0.86	Physical	7.51	0.52
SPI1-NF006-MOD	A	4/18/2011	19:02:10	1516	13.5	1	14.51	>4	2	>4	>4 to 2	233	16.06	15.77	16.62	0.85	Physical	12.46	0.86
SPI1-NF006-MOD	B	4/18/2011	19:09:03	1516	13.5	1	14.51	>4	2	>4	>4 to 2	223.91	15.43	15.01	16.07	1.06	Biological	9.61	0.66
SPI1-NF006-MOD	C	4/18/2011	19:18:04	1516	13.5	1	14.51	>4	2	>4	>4 to 2	227.1	15.66	15.22	16.04	0.82	Biological	11.29	0.78
SPI1-NF012	A	4/19/2011	2:53:57	1521	13.5	1	14.51	>4	2	>4	>4 to 2	232.16	16.00	15.73	16.28	0.56	Biological	40.01	2.76
SPI1-NF012	B	4/19/2011	3:01:39	1520	13.5	1	14.51	>4	2	>4	>4 to 2	194.19	13.38	13.01	14.49	1.48	Biological	56.65	3.90
SPI1-NF012	C	4/19/2011	3:09:18	1520	13.5	1	14.51	>4	2	>4	>4 to 2	218.11	15.03	13.52	17.28	3.76	Biological	40.40	2.78

STATION	REP	DATE	TIME	Water Depth (m)	Stop Collar Setting (in)	# of Lead Weights per Carriage	Calibration Constant	Grain Size Major Mode (phi)	Grain Size Maximum (phi)	Grain Size Minimum (phi)	Sediment Grain Size RANGE	Prism Penetration Area (sq.cm)	Camera Prism Penetration Mean (cm)	Penetration Minimum (cm)	Penetration Maximum (cm)	Boundary Roughness (cm)	Boundary Roughness Type	RPD Area (sq.cm)	Mean RPD (cm)
SPI1-NF011	A	4/19/2011	20:55:22	1433	13.5	1	14.51	>4	2	>4	>4 to 2	227.13	15.65	15.24	16.38	1.14	Biological	35.64	2.46
SPI1-NF011	B	4/19/2011	21:06:24	1432	13.5	1	14.51	>4	2	>4	>4 to 2	236.20	16.27	15.87	17.01	1.14	Biological	31.24	2.15
SPI1-NF011	C	4/19/2011	12:14:16	1432	13.5	1	14.51	>4	2	>4	>4 to 2	246.00	16.95	16.45	17.37	0.92	Biological	35.79	2.47
SPI1-D050S	A	4/20/2011	6:26:32	1432	13.5	1	14.51	>4	2	>4	>4 to 2	212.79	14.66	13.96	15.02	1.07	Biological	28.10	1.94
SPI1-D050S	B	4/20/2011	6:38:17	1431	13.5	1	14.51	>4	2	>4	>4 to 2	242.66	16.72	16.36	16.94	0.58	Biological	34.57	2.38
SPI1-D050S	C	4/20/2011	6:45:44	1431	13.5	1	14.51	>4	2	>4	>4 to 2	221.20	15.24	14.90	15.46	0.56	Biological	32.39	2.23
SPI1-CH_GIP24	A	4/20/2011	18:13:41	1399	13.5	1	14.51	>4	2	>4	>4 to 2	225.41	15.53	15.24	15.94	0.70	Biological	31.75	2.19
SPI1-CH_GIP24	B	4/20/2011	18:23:07	1408	13.5	1	14.51	>4	2	>4	>4 to 2	248.23	17.10	16.70	17.18	0.49	Biological	28.90	1.99
SPI1-CH_GIP24	C	4/20/2011	18:34:06	1406	13.5	1	14.51	>4	2	>4	>4 to 2	260.97	17.98	17.42	18.80	1.38	Biological	38.28	2.64
SPI1-D031S	A	4/20/2011	20:03:04	1576	13.5	1	14.51	>4	2	>4	>4 to 2	212.75	14.66	14.37	15.07	0.70	Physical	13.79	0.95
SPI1-D031S	B	4/20/2011	20:12:25	1575	13.5	1	14.51	>4	2	>4	>4 to 2	259.63	17.89	17.52	18.71	1.19	Biological	11.20	0.77
SPI1-D031S	C	4/20/2011	20:21:39	1573	13.5	1	14.51	>4	2	>4	>4 to 2	225.38	15.53	14.98	16.23	1.26	Biological	11.56	0.80
SPI1-ALTNF015	A	4/20/2011	21:49:15	1608	13.5	1	14.51	>4	2	>4	>4 to 2	252.57	17.40	17.11	17.96	0.85	Biological	31.69	2.18
SPI1-ALTNF015	B	4/20/2011	22:01:14	1607	13.5	1	14.51	>4	2	>4	>4 to 2	240.88	16.60	16.26	17.32	1.07	Biological	37.62	2.59
SPI1-ALTNF015	C	4/20/2011	22:11:47	1606	13.5	1	14.51	>4	2	>4	>4 to 2	249.54	17.19	16.67	17.88	1.21	Biological	37.04	2.55
SPI1-JOYE026	A	4/20/2011	23:22:15	1617	13.5	1	14.51	>4	2	>4	>4 to 2	264.77	18.24	16.70	18.85	2.16	Biological	43.14	2.97
SPI1-JOYE026	B	4/20/2011	23:31:44	1616	13.5	1	14.51	>4	2	>4	>4 to 2	220.70	15.21	14.25	15.90	1.65	Biological	52.87	3.64
SPI1-JOYE026	C	4/20/2011	23:40:53	1617	13.5	1	14.51	>4	2	>4	>4 to 2	272.77	18.79	18.46	19.24	0.78	Biological	38.10	2.62
SPI1-NF014	A	4/21/2011	0:59:03	1581	13.5	1	14.51	>4	2	>4	>4 to 2	253.12	17.44	16.91	18.05	1.14	Biological	30.28	2.09
SPI1-NF014	B	4/21/2011	1:06:28	1581	13.5	1	14.51	>4	2	>4	>4 to 2	252.49	17.40	16.70	18.00	1.31	Biological	34.32	2.36
SPI1-NF014	C	4/21/2011	1:13:41	1580	13.5	1	14.51	>4	2	>4	>4 to 2	246.49	16.98	16.26	17.54	1.28	Biological	37.30	2.57
SPI1-CH_GIP18	A	4/21/2011	2:40:01	1563	13.5	1	14.51	>4	2	>4	>4 to 2	240.47	16.57	16.26	16.89	0.63	Biological	38.13	2.63
SPI1-CH_GIP18	B	4/21/2011	2:45:30	1559	13.5	1	14.51	>4	2	>4	>4 to 2	227.16	15.65	15.02	16.36	1.33	Biological	36.22	2.50
SPI1-CH_GIP18	C	4/21/2011	2:50:36	1560	13.5	1	14.51	>4	2	>4	>4 to 2	236.50	16.29	15.73	17.03	1.31	Biological	43.94	3.03
SPI1-NF013	A	4/21/2011	3:53:37	1561	13.5	1	14.51	>4	2	>4	>4 to 2	234.12	16.13	15.68	16.94	1.26	Biological	39.28	2.71
SPI1-NF013	B	4/21/2011	4:02:12	1561	13.5	1	14.51	>4	2	>4	>4 to 2	249.81	17.21	16.84	17.64	0.80	Biological	40.33	2.78
SPI1-NF013	C	4/21/2011	4:08:39	1561	13.5	1	14.51	>4	2	>4	>4 to 2	238.88	16.46	16.28	17.03	0.75	Biological	40.06	2.76
SPI1-VK916	A	4/22/2011	17:17:18	1124	13.5	1	14.51	>4	2	>4	>4 to 2	195.93	13.50	12.41	15.00	2.59	Biological	39.61	2.73
SPI1-VK916	B	4/22/2011	17:23:54	1124	13.5	1	14.51	>4	2	>4	>4 to 2	240.63	16.58	16.02	17.47	1.45	Biological	37.34	2.57
SPI1-VK916	C	4/22/2011	17:32:00	1126	13.5	1	14.51	>4	3	>4	>4 to 3	311.81	21.48	20.18	21.69	Ind	Ind	Ind	Ind
SPI1-D043S	A	4/22/2011	19:19:02	1492	13.5	1	14.51	>4	2	>4	>4 to 2	270.05	18.61	18.37	18.83	0.46	Biological	37.14	2.56
SPI1-D043S	B	4/22/2011	19:30:14	1492	13.5	1	14.51	>4	2	>4	>4 to 2	234.14	16.13	15.80	16.65	0.85	Biological	49.87	3.44
SPI1-D043S	C	4/22/2011	19:41:07	1490	13.5	1	14.51	>4	2	>4	>4 to 2	156.81	10.80	7.75	14.93	7.17	Biological	57.32	3.95

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-D062S	A	2	Oxidized		0	0	No	No	No	0	37.06	2.55	1.77	2.82	Oxidized recent deposition	0.00	0.00	0.00
SPI1-D062S	B	8	Reduced		0	0	No	No	No	0	33.48	2.31	1.57	2.45	Oxidized recent deposition	0.00	0.00	0.00
SPI1-D062S	C	2	Reduced		0	0	No	No	No	0	32.82	2.26	1.87	2.62	Oxidized recent deposition	0.00	0.00	0.00
SPI1-FF-MT4	A	0	-		0	0	No	No	No	0	-	-	-	-	-	0.00	0.00	0.00
SPI1-FF-MT4	B	>100	Oxidized		0	0	No	No	No	0	168.71	11.62	9.40	15.65	Upper depositional sequence.	0.00	0.00	0.00
SPI1-FF-MT4	C	1	Reduced		0	0	No	No	No	0	217.31	14.97	14.10	15.51	Depositional package above clay	0.00	0.00	0.00
SPI1-HiPro	A	0	-		0	0	No	No	No	0	81.64	5.62	4.76	8.51	Organic deposit over clay	0.00	0.00	0.00
SPI1-HiPro	B	2	Reduced		0	0	No	No	No	0	54.77	3.77	3.03	4.36	Organic deposit over clay	0.00	0.00	0.00
SPI1-HiPro	C	3	Reduced		0	0	No	No	No	0	74.41	5.13	3.47	7.15	Organic deposit over clay	0.00	0.00	0.00
SPI-LBNL9	A	0	-		0	0	No	No	No	0	90.49	6.23	2.91	7.17	Organic deposit over clay	0.00	0.00	0.00
SPI-LBNL9	B	4	Reduced		0	0	No	No	No	0	105.00	7.23	5.91	8.92	Organic deposit over clay	0.00	0.00	0.00
SPI-LBNL9	C	0	-		0	0	No	No	No	0	160.58	11.06	8.94	12.89	Organic deposit over clay	0.00	0.00	0.00
SPI-LBNL10	A	1	Reduced		0	0	No	No	No	0	84.39	5.81	4.22	8.29	Organic deposit over clay	0.00	0.00	0.00
SPI-LBNL10	B	8	5 reduced, 3 oxidized		0	0	No	No	No	0	100.80	6.95	5.89	8.48	Organic deposit over clay	0.00	0.00	0.00
SPI-LBNL10	C	4	Reduced		0	0	No	No	No	0	113.66	7.83	6.35	10.06	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-200	A	0	-		0	0	No	Yes	Yes	>50	143.10	9.86	8.02	11.46	Organic deposit over clay	59.32	4.09	2.06
SPI1-180-200	B	0	-		0	0	No	Yes	Yes	>50	80.13	5.52	4.68	6.37	Organic deposit over clay	26.52	1.83	1.43
SPI1-180-200	C	1	Reduced		0	0	No	Yes	Yes	>50	68.13	4.69	4.24	4.97	Organic deposit over clay	20.53	1.41	0.97
SPI1-180-300	A	3	Reduced		0	0	No	Yes	Yes	5	69.56	4.79	3.49	5.48	Organic deposit over clay	10.08	0.69	0.39
SPI1-180-300	B	1	Ind		0	0	No	Yes	Yes	7	134.45	9.26	7.80	9.84	Organic deposit over clay	24.56	1.69	0.95
SPI1-180-300	C	6	Reduced		0	0	No	Yes	Yes	0	67.65	4.66	3.22	5.72	Organic deposit over clay	2.96	0.20	0.00
SPI1-180-400	A	4	Reduced		0	0	No	Yes	Yes	6	82.10	5.66	4.92	6.88	Organic deposit over clay	16.21	1.12	0.58
SPI1-180-400	B	1	Reduced		0	0	No	Yes	Yes	3	71.54	4.93	3.47	5.91	Organic deposit over clay	11.78	0.81	0.44
SPI1-180-400	C	1	Reduced		0	0	No	Yes	Yes	2	75.84	5.23	3.83	5.74	Organic deposit over clay	20.82	1.43	0.87
SPI1-180-500	A	>100	Reduced and Oxidized		0	0	No	Yes	Yes	1	70.62	4.87	4.43	5.26	Organic deposit over clay	9.28	0.64	0.36
SPI1-180-500	B	>100	Reduced and Oxidized		0	0	No	Ind	Yes	2	92.88	6.40	4.12	6.78	Organic deposit over clay	17.51	1.21	0.75
SPI1-180-500	C	3	Reduced		0	0	No	Yes	Yes	0	97.08	6.69	5.26	6.91	Organic deposit over clay	19.38	1.34	0.95
SPI1-180-500	D	4	Reduced		0	0	No	Yes	Yes	0	60.54	4.17	2.91	4.68	Organic deposit over clay	15.64	1.08	0.85
SPI1-180-700	A	2	Reduced and Oxidized		0	0	No	Yes	Yes	2	72.16	4.97	4.29	5.79	Organic deposit over clay	9.58	0.66	0.19
SPI1-180-700	B	1	Reduced		0	0	No	Ind	No	5	48.10	3.31	2.06	4.51	Organic deposit over clay	3.43	0.24	0.00
SPI1-180-700	C	3	Reduced		0	0	No	Yes	Yes	0	72.27	4.98	4.19	5.55	Organic deposit over clay	6.80	0.47	0.51
SPI1-180-900	A	0	-		0	0	No	Yes	No	0	62.44	4.30	3.54	4.73	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-900	B	2	Reduced		0	0	No	Yes	No	0	45.21	3.11	2.25	4.43	Organic deposit over clay	0.00	0.00	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-180-900	C	1	Reduced		0	0	No	Yes	No	0	50.19	3.46	2.42	4.29	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-1100	A	1	Oxidized		0	0	No	Incipient	No	0	74.96	5.16	4.48	6.25	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-1100	B	4	Reduced		0	0	No	Incipient	No	0	106.11	7.31	5.72	9.35	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-1100	C	0	-		0	0	No	No	No	0	73.79	5.08	3.80	6.54	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-1300	A	1	Oxidized		0	0	No	No	No	0	64.10	4.42	3.54	5.48	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-1300	B	2	Reduced		0	0	No	No	No	0	62.72	4.32	2.98	4.70	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-1300	C	0	-		0	0	No	No	No	0	47.91	3.30	2.01	3.86	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-1500	A	1	Oxidized		0	0	No	No	No	0	57.92	3.99	3.37	5.11	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-1500	B	0	-		0	0	No	No	No	0	54.50	3.76	2.64	4.75	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-1500	C	2	Oxidized		0	0	No	No	No	0	76.19	5.25	4.07	6.01	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-1700	A	2	Oxidized		0	0	No	No	No	0	53.64	3.70	2.67	4.46	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-1700	B	0	-		0	0	No	No	No	0	42.15	2.90	1.89	3.73	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-1700	C	2	Oxidized		0	0	No	No	No	0	51.93	3.58	2.50	3.80	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-1900	A	0	-		0	0	No	No	No	0	75.64	5.21	4.61	7.44	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-1900	B	0	-		0	0	No	No	No	0	58.00	4.00	2.65	3.83	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-1900	C	1	Oxidized		0	0	No	No	No	0	60.20	4.15	3.71	4.82	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-2100	A	0	-		0	0	No	No	No	0	58.55	4.03	3.00	4.29	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-2100	B	2	Reduced		0	0	No	No	No	0	58.12	4.00	2.91	4.34	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-2100	C	0	-		0	0	No	No	No	0	71.30	4.91	3.22	7.10	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-2300	A	0	-		0	0	No	No	No	0	57.63	3.97	3.03	5.04	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-2300	B	4	Reduced		0	0	No	No	No	0	63.14	4.35	3.00	5.23	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-2300	C	0	-		0	0	No	No	No	0	63.31	4.36	3.27	5.69	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-2500	A	0	-		0	0	No	No	No	0	57.83	3.98	3.18	4.43	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-2500	B	0	-		0	0	No	No	No	0	65.21	4.49	3.54	4.65	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-2500	C	0	-		0	0	No	No	No	0	61.46	4.23	3.32	4.85	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-2650	A	1	Reduced		0	0	No	No	No	0	70.36	4.85	2.81	5.82	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-2650	B	0	-		0	0	No	No	No	0	66.03	4.55	3.13	5.67	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-2650	C	0	-		0	0	No	No	No	0	72.00	4.96	3.37	6.64	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-3100	A	0	-		0	0	No	No	No	0	80.98	5.58	3.90	5.79	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-3100	B	0	-		0	0	No	No	No	0	54.66	3.77	2.98	5.60	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-3100	C	1	Oxidized		0	0	No	No	No	0	49.41	3.40	2.79	3.95	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-3400	A	0	-		0	0	No	No	No	0	75.76	5.22	4.24	6.83	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-3400	B	0	-		0	0	No	No	No	0	59.09	4.07	3.00	4.63	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-3400	C	1	Oxidized		0	0	No	No	No	0	92.72	6.39	4.82	8.29	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-3700	A	1	Reduced		0	0	No	No	No	0	51.44	3.54	2.88	4.63	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-3700	B	0	-		0	0	No	No	No	0	51.54	3.55	2.96	3.95	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-3700	C	1	Reduced		0	0	No	No	No	0	78.30	5.39	4.29	6.59	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-4000	A	1	Oxidized		0	0	No	No	No	0	57.39	3.95	2.81	5.91	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-4000	B	0	-		0	0	No	No	No	0	67.48	4.65	3.59	6.23	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-4000	C	0	-		0	0	No	No	No	0	65.58	4.52	3.20	5.65	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-4300	A	0	-		0	0	No	No	No	0	66.53	4.58	3.22	7.10	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-4300	B	0	-		0	0	No	No	No	0	62.66	4.32	2.74	5.67	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-4300	C	0	-		0	0	No	No	No	0	50.69	3.49	2.86	3.90	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-4600	A	0	-		0	0	No	No	No	0	70.23	4.84	2.64	5.77	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-4600	B	0	-		0	0	No	No	No	0	61.96	4.27	2.67	5.96	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-4600	C	3	Oxidized		0	0	No	No	No	0	74.74	5.15	3.22	6.77	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-4900	A	0	-		0	0	No	No	No	0	58.97	4.06	2.98	5.31	Organic deposit over clay	0.00	0.00	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-180-4900	B	4	Reduced		0	0	No	No	No	0	73.34	5.05	3.83	6.11	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-4900	C	0	-		0	0	No	No	No	0	77.78	5.36	4.12	6.28	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-5200	A	0	-		0	0	No	No	No	0	74.74	5.15	2.69	7.13	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-5200	B	>10	Oxidized		0	0	No	No	No	0	66.03	4.55	3.56	5.21	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-5200	C	>10	Reduced and Oxidized		0	0	No	No	No	0	61.66	4.25	2.45	5.77	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-5500	A	1	Oxidized		0	0	No	No	No	0	86.52	5.96	3.71	7.12	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-5500	B	1	Oxidized		0	0	No	No	No	0	66.29	4.57	3.15	5.72	Organic deposit over clay	0.00	0.00	0.00
SPI1-180-5500	C	0	-		0	0	No	No	No	0	74.88	5.16	3.83	6.66	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-200	A	0	-		0	0	No	Yes	Yes	>50	68.59	4.73	2.23	6.45	Organic deposit over clay	42.00	2.89	1.79
SPI1-090-200	B	0	-		0	0	No	Yes	Yes	>50	53.26	3.67	1.96	4.29	Organic deposit over clay	38.08	2.62	1.91
SPI1-090-200	C	0	-		0	0	No	Yes	Yes	>50	109.59	7.55	5.38	8.24	Organic deposit over clay	42.95	2.96	1.70
SPI1-090-300	A	1	Reduced		0	0	No	Yes	Yes	>50	67.25	4.63	3.37	6.71	Organic deposit over clay	30.08	2.07	1.31
SPI1-090-300	B	1	Oxidized		0	0	No	Yes	Yes	>50	88.21	6.08	4.56	5.96	Organic deposit over clay	27.09	1.87	0.78
SPI1-090-300	C	>10	Reduced		0	0	No	Yes	Yes	4	57.68	3.97	2.45	4.29	Organic deposit over clay	29.88	2.06	0.97
SPI1-090-400	A	5	Reduced		0	0	No	Yes	Yes	>20	73.37	5.06	3.85	5.45	Organic deposit over clay	28.11	1.94	1.17
SPI1-090-400	B	3	Reduced		0	0	No	Yes	Yes	>50	89.06	6.14	3.93	6.52	Organic deposit over clay	66.39	4.57	2.64
SPI1-090-400	C	3	Reduced		0	0	No	Yes	Yes	>20	72.96	5.03	3.95	6.20	Organic deposit over clay	34.91	2.41	2.21
SPI1-090-500	A	4	Reduced		0	0	No	Yes	Yes	>20	69.45	4.78	3.66	5.67	Organic deposit over clay	28.78	1.98	1.28
SPI1-090-500	B	>10	Reduced		0	0	No	Yes	Yes	5	79.81	5.50	3.95	7.15	Organic deposit over clay	Ind	Indeterminate	1.04
SPI1-090-500	C	6	5 Reduced 1 Oxidized		0	0	No	Yes	Yes	9	69.82	4.81	3.56	5.86	Organic deposit over clay	23.26	1.60	0.36
SPI1-090-700	A	3	Reduced		0	0	No	No	Yes	3	60.17	4.15	3.56	4.80	Organic deposit over clay	10.56	0.73	0.51
SPI1-090-700	B	1	Reduced		0	0	No	No	Slight	4	63.13	4.35	3.13	4.80	Organic deposit over clay	5.43	0.37	0.00
SPI1-090-700	C	>10	Reduced		0	0	No	No	Slight	3	79.07	5.45	3.73	6.71	Organic deposit over clay	11.06	0.76	0.39
SPI1-090-900	A	0	-		0	0	No	No	No	0	63.33	4.36	3.59	5.57	Organic deposit over clay	1.83	0.13	0.00
SPI1-090-900	B	8	Reduced		0	0	No	No	No	0	57.86	3.99	3.22	4.48	Organic deposit over clay	2.07	0.14	0.00
SPI1-090-900	C	1	Reduced		0	0	No	No	No	1	67.24	4.63	4.09	6.76	Organic deposit over clay	2.22	0.15	0.00
SPI1-090-1100	A	1	Oxidized		0	0	No	No	No	0	57.68	3.97	2.86	4.14	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-1100	B	7	2 Reduced 5 Oxidized		0	0	No	No	No	0	72.33	4.98	3.54	6.42	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-1100	C	5	Reduced		0	0	No	No	No	0	64.34	4.43	3.71	5.79	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-1300	A	1	Oxidized		0	0	No	No	No	0	62.77	4.32	4.05	5.09	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-1300	B	2	Oxidized		0	0	No	No	No	0	57.63	3.97	3.22	4.80	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-1300	C	>10	Oxidized		0	0	No	No	No	0	72.31	4.98	3.30	5.57	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-1500	A	0	-		0	0	No	No	No	0	66.37	4.57	2.98	5.50	Organic deposit over clay	0.00	0.00	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-090-1500	B	1	Reduced		0	0	No	No	No	0	60.50	4.17	3.15	4.58	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-1500	C	0	-		0	0	No	No	No	0	58.83	4.05	3.37	5.60	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-1700	A	0	-		0	0	No	No	No	0	53.61	3.69	2.81	4.53	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-1700	B	1	Reduced		0	0	No	No	No	0	77.94	5.37	3.42	7.35	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-1700	C	1	Reduced		0	0	No	No	No	0	58.68	4.04	2.74	5.86	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-1900	A	0	-		0	0	No	No	No	0	52.87	3.64	2.84	3.63	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-1900	B	2	Reduced		0	0	No	No	No	0	63.45	4.37	3.56	5.28	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-1900	C	0	-		0	0	No	No	No	0	61.86	4.26	3.44	4.87	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-2100	A	3	Oxidized		0	0	No	No	No	0	62.45	4.30	2.98	5.36	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-2100	B	8	2 Reduced 6 Oxidized		0	0	No	No	No	0	50.95	3.51	3.08	4.48	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-2100	C	5	2 Reduced 3 oxidized		0	0	No	No	No	0	50.70	3.49	1.02	5.52	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-2300	A	0	-		0	0	No	No	No	0	48.47	3.34	2.23	4.63	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-2300	B	0	-		0	0	No	No	No	0	58.97	4.06	3.47	5.28	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-2300	C	0	-		0	0	No	No	No	0	62.74	4.32	3.05	5.33	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-2500	A	7	3 Red 4 Ox		0	0	No	No	No	0	64.21	4.42	3.71	5.72	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-2500	B	0	-		0	0	No	No	No	0	51.72	3.56	2.69	4.87	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-2500	C	0	-		0	0	No	No	No	0	57.66	3.97	3.20	4.61	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-2800	A	1	Oxidized		0	0	No	No	No	0	53.36	3.68	3.05	4.10	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-2800	B	1	Oxidized		0	0	No	No	No	0	48.37	3.33	3.10	4.10	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-2800	C	1	Oxidized		0	0	No	No	No	0	54.31	3.74	2.83	4.46	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-3100	A	4	Oxidized		0	0	No	No	No	0	56.23	3.87	3.20	4.77	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-3100	B	2	Oxidized		0	0	No	No	No	0	57.29	3.95	2.81	5.52	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-3100	C	6	2 Red 4 Ox		0	0	No	No	No	0	59.62	4.11	3.80	4.29	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-3400	A	0	-		0	0	No	No	No	0	70.53	4.86	3.42	6.42	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-3400	B	0	-		0	0	No	No	No	0	60.62	4.18	2.86	5.45	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-3400	C	0	-		0	0	No	No	No	0	60.68	4.18	3.73	5.60	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-3700	A	4	Reduced		0	0	No	No	No	0	55.51	3.82	3.44	4.26	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-3700	B	0	-		0	0	No	No	No	0	48.82	3.36	2.74	4.26	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-3700	C	0	-		0	0	No	No	No	0	89.47	6.16	4.68	8.36	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-4000	A	1	Oxidized		0	0	No	No	No	0	88.79	6.12	3.96	7.54	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-4000	B	0	-		0	0	No	No	No	0	77.08	5.31	3.69	6.47	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-4000	C	0	-		0	0	No	No	No	0	60.27	4.15	2.72	4.77	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-4300	A	>10	Oxidized		0	0	No	No	No	0	57.96	3.99	3.10	4.75	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-4300	B	0	-		0	0	No	No	No	0	51.21	3.53	2.84	4.31	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-4300	C	Ind	Ind		0	0	No	No	No	0	Ind	Ind	Ind	Ind	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-4600	A	2	Reduced		0	0	No	No	No	0	53.75	3.70	2.80	4.56	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-4600	B	0	-		0	0	No	No	No	0	60.10	4.14	2.93	5.65	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-4600	C	0	-		0	0	No	No	No	0	49.27	3.39	3.08	4.17	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-4900	A	0	-		0	0	No	No	No	0	73.08	5.04	4.02	6.54	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-4900	B	2	Reduced		0	0	No	No	No	0	58.82	4.05	2.91	5.02	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-4900	C	3	Reduced		0	0	No	No	No	0	70.94	4.89	3.85	6.06	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-5200	A	1	Reduced		0	0	No	No	No	0	76.85	5.29	4.02	7.00	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-5200	B	0	-		0	0	No	No	No	0	62.49	4.31	3.32	5.99	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-5200	C	0	-		0	0	No	No	No	0	62.13	4.28	3.37	4.92	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-5500	A	0	-		0	0	No	No	No	0	45.05	3.10	1.65	4.77	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-5500	B	0	-		0	0	No	No	No	0	64.56	4.45	3.34	5.77	Organic deposit over clay	0.00	0.00	0.00
SPI1-090-5500	C	0	-		0	0	No	No	No	0	62.62	4.31	3.08	5.31	Organic deposit over clay	0.00	0.00	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-135-200	A	0	-		0	0	No	Yes	Yes	5	86.57	5.96	5.06	6.76	Organic deposit over clay	16.02	1.10	0.20
SPI1-135-200	B	0	-		0	0	No	Yes	Yes	11	70.47	4.86	4.43	5.91	Organic deposit over clay	19.17	1.32	0.73
SPI1-135-200	C	2	Reduced		0	0	No	Yes	Yes	>20	68.09	4.69	3.27	5.21	Organic deposit over clay	21.72	1.50	0.68
SPI1-135-300	A	0	-		0	0	No	Yes	Yes	2	76.97	5.30	4.63	5.84	Organic deposit over clay	22.09	1.52	0.75
SPI1-135-300	B	1	Reduced		0	0	No	Yes	Yes	2	92.02	6.34	5.62	7.25	Organic deposit over clay	19.72	1.36	0.73
SPI1-135-300	C	5	Reduced		0	0	No	Yes	Yes	3	74.68	5.15	3.59	5.79	Organic deposit over clay	13.75	0.95	0.75
SPI1-135-400	A	3	Reduced		0	0	No	Yes	Yes	5	79.76	5.50	4.60	7.05	Organic deposit over clay	16.39	1.13	0.44
SPI1-135-400	B	1	Reduced		0	0	No	Yes	Yes	4	77.95	5.37	4.60	6.45	Organic deposit over clay	16.20	1.12	0.49
SPI1-135-400	C	1	Reduced		0	0	No	Yes	Yes	0	69.69	4.80	4.26	5.40	Organic deposit over clay	14.75	1.02	0.56
SPI1-135-500	A	1	Oxidized		0	0	No	Yes	Yes	0	73.59	5.07	4.41	6.30	Organic deposit over clay	16.32	1.12	0.71
SPI1-135-500	B	>10	Reduced and Oxidized		0	0	No	Yes	Yes	0	83.18	5.73	3.88	6.69	Organic deposit over clay	20.47	1.41	0.48
SPI1-135-500	C	1	Reduced		0	0	No	Yes	Yes	1	78.36	5.40	4.63	5.48	Organic deposit over clay	26.52	1.83	0.97
SPI1-135-700	A	>10	Reduced		0	0	No	Yes	Yes	2	59.88	4.13	3.35	4.85	Organic deposit over clay	9.13	0.63	0.17
SPI1-135-700	B	1	Oxidized		0	0	No	Yes	Yes	3	72.56	5.00	3.71	5.94	Organic deposit over clay	13.36	0.92	0.17
SPI1-135-700	C	10	Reduced		0	0	No	Yes	Yes	0	64.05	4.41	3.93	5.98	Organic deposit over clay	14.32	0.99	0.34
SPI1-135-900	A	>10	Reduced		0	0	No	Yes	Yes	4	57.74	3.98	3.42	4.41	Organic deposit over clay	9.49	0.65	0.27
SPI1-135-900	B	>10	Reduced		0	0	No	Yes	Yes	2	66.89	4.61	3.80	5.36	Organic deposit over clay	5.97	0.41	0.00
SPI1-135-900	C	3	Reduced		0	0	No	Yes	Yes	0	53.92	3.71	3.22	4.51	Organic deposit over clay	8.23	0.57	0.12
SPI1-135-1100	A	>10	Oxidized		0	0	No	Yes	Yes	0	63.46	4.37	3.18	4.99	Organic deposit over clay	Ind	Indeterminate	0.25
SPI1-135-1100	B	2	Reduced		0	0	No	Yes	Yes	0	69.42	4.78	4.19	5.02	Organic deposit over clay	11.91	0.82	0.48
SPI1-135-1100	C	>10	Reduced and Oxidized		0	0	No	Yes	Yes	0	67.59	4.66	3.71	5.19	Organic deposit over clay	7.48	0.52	0.02
SPI1-135-1300	A	1	Oxidized		0	0	No	Yes	Yes	0	58.59	4.04	3.44	4.31	Organic deposit over clay	6.77	0.47	0.10
SPI1-135-1300	B	5	Oxidized		0	0	No	Yes	Yes	0	80.83	5.57	4.58	7.78	Organic deposit over clay	8.46	0.58	0.05
SPI1-135-1300	C	>10	Reduced and Oxidized		0	0	No	Yes	Yes	0	69.11	4.76	3.79	4.99	Organic deposit over clay	2.66	0.18	0.00
SPI1-135-1500	A	0	-		0	0	No	No	No	0	60.89	4.20	3.37	4.82	Organic deposit over clay	3.61	0.25	0.10
SPI1-135-1500	B	2	Oxidized		0	0	No	No	No	0	58.26	4.01	2.69	6.30	Organic deposit over clay	1.58	0.11	0.00
SPI1-135-1500	C	8	Oxidized		0	0	No	No	No	0	79.42	5.47	4.05	6.40	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-1700	A	0	-		0	0	No	No	Slight	2	73.61	5.07	3.37	5.26	Organic deposit over clay	0.67	0.05	0.00
SPI1-135-1700	B	>10	Both		0	0	No	No	No	0	66.08	4.55	2.41	5.74	Organic deposit over clay	0.00	0.00	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-135-1700	C	2	Oxidized		0	0	No	No	No	0	55.87	3.85	2.86	4.58	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-1900	A	2	Oxidized		0	0	No	No	No	0	57.98	3.99	3.05	4.65	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-1900	B	4	Reduced and Oxidized		0	0	No	No	No	0	65.57	4.52	3.63	6.06	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-1900	C	>10	Oxidized		0	0	No	No	No	0	71.12	4.90	2.18	6.57	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-2100	A	>10	Oxidized		0	0	No	No	No	0	49.67	3.42	2.35	3.61	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-2100	B	3	Oxidized		0	0	No	No	No	0	53.83	3.71	2.71	4.65	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-2100	C	1	Reduced		0	0	No	No	No	0	49.94	3.44	2.62	3.73	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-2300	A	3	Oxidized		0	0	No	No	No	0	53.48	3.68	2.93	4.34	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-2300	B	4	Oxidized		0	0	No	No	No	0	65.20	4.49	3.20	5.62	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-2300	C	>10	Oxidized		0	0	No	No	No	0	58.60	4.04	2.91	4.65	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-2500	A	1	Oxidized		0	0	No	No	No	0	63.05	4.34	3.15	5.96	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-2500	B	3	Oxidized		0	0	No	No	No	0	64.02	4.41	3.15	5.21	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-2500	C	0	-		0	0	No	No	No	0	51.38	3.54	2.96	4.39	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-2800	A	1	Reduced		0	0	No	No	No	0	64.69	4.46	3.59	4.73	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-2800	B	0	-		0	0	No	No	No	0	73.54	5.07	3.18	6.32	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-2800	C	2	Oxidized		0	0	No	No	No	0	75.93	5.23	3.42	7.68	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-3100	A	0	-		0	0	No	No	No	0	60.04	4.14	3.22	4.36	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-3100	B	1	Oxidized		0	0	No	No	No	0	58.08	4.00	2.91	5.07	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-3100	C	0	-		0	0	No	No	No	0	64.78	4.46	3.37	5.31	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-3400	A	0	-		0	0	No	No	No	0	62.87	4.33	3.30	5.02	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-3400	B	0	-		0	0	No	No	No	0	57.52	3.96	2.84	4.87	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-3400	C	0	-		0	0	No	No	No	0	61.92	4.27	3.37	4.29	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-3700	A	>10	Reduced and Oxidized		0	0	No	No	No	0	49.98	3.44	2.38	4.75	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-3700	B	0	-		0	0	No	No	No	0	79.30	5.46	3.66	6.93	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-3700	C	>10	Oxidized		0	0	No	No	No	0	69.16	4.77	3.13	5.94	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-4000	A	0	-		0	0	No	No	No	0	59.03	4.07	2.88	4.92	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-4000	B	1	Oxidized		0	0	No	No	No	0	68.15	4.70	3.49	5.94	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-4000	C	0	-		0	0	No	No	No	0	69.94	4.82	3.13	5.67	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-4300	A	0	-		0	0	No	No	No	0	70.08	4.83	2.64	6.06	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-4300	B	5	Oxidized		0	0	No	No	No	0	61.51	4.24	3.01	5.07	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-4300	C	0	-		0	0	No	No	No	0	74.03	5.10	3.93	5.74	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-4600	A	0	-		0	0	No	No	No	0	71.72	4.94	3.37	6.18	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-4600	B	0	-		0	0	No	No	No	0	82.45	5.68	4.36	6.28	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-4600	C	0	-		0	0	No	No	No	0	69.70	4.80	3.15	5.89	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-4900	A	6	Oxidized		0	0	No	No	No	0	75.05	5.17	3.44	6.45	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-4900	B	4	Reduced		0	0	No	No	No	0	74.20	5.11	3.80	5.84	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-4900	C	0	-		0	0	No	No	No	0	67.30	4.64	3.30	4.36	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-5200	A	0	-		0	0	No	No	No	0	52.81	3.64	2.40	4.46	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-5200	B	>10	Oxidized		0	0	No	No	No	0	Ind	Ind	Ind.	Ind.	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-5200	C	0	-		0	0	No	No	No	0	64.49	4.44	3.37	6.47	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-5500	A	0	-		0	0	No	No	No	0	67.90	4.68	3.20	5.48	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-5500	B	0	-		0	0	No	No	No	0	66.54	4.58	3.30	5.33	Organic deposit over clay	0.00	0.00	0.00
SPI1-135-5500	C	0	-		0	0	No	No	No	0	51.12	3.52	2.23	5.09	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-200	C	0	-		0	0	No	Yes	Yes	>50	75.02	5.17	2.56	6.17	Organic deposit over clay	Ind	Indeterminate	Ind
SPI1-000-200	B	0	-		0	0	No	Yes	Yes	>50	80.35	5.54	4.29	6.57	Organic deposit over clay	10.67	0.74	0.42

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SPI1-000-200	A	0	-		0	0	No	Yes	Yes	>50	Ind	4.62	3.25	7.87	Organic deposit over clay	33.83	2.33	0.66
SPI1-000-700	A	1	Oxidized		0	0	No	Yes	Yes	9	94.42	6.51	5.55	7.08	Organic deposit over clay	20.53	1.41	0.56
SPI1-000-700	B	2	Reduced		0	0	No	Yes	Yes	0	94.29	6.50	5.50	7.90	Organic deposit over clay	11.72	0.81	0.00
SPI1-000-700	C	2	Reduced		0	0	No	Yes	Yes	1	103.41	7.12	5.26	7.59	Organic deposit over clay	9.65	0.66	0.47
SPI1-000-900	A	3	Reduced and Oxidized		0	0	No	Yes	Yes	11	84.06	5.79	4.39	7.15	Organic deposit over clay	19.39	1.34	0.44
SPI1-000-900	B	>10	Reduced and Oxidized		0	0	No	Yes	Yes	7	82.04	5.65	4.61	6.03	Organic deposit over clay	19.80	1.36	0.44
SPI1-000-900	C	8	Reduced		0	0	No	Yes	Yes	0	79.66	5.49	4.31	5.91	Organic deposit over clay	15.24	1.05	0.75
SPI1-000-1100	A	5	Reduced		0	0	No	Yes	Yes	0	60.43	4.16	2.69	4.53	Organic deposit over clay	12.80	0.88	0.02
SPI1-000-1100	B	3	Reduced		0	0	No	Yes	Yes	0	44.14	3.04	1.58	4.68	Organic deposit over clay	5.02	0.35	0.00
SPI1-000-1100	C	4	Reduced		0	0	No	Yes	Yes	0	92.60	6.38	5.60	8.06	Organic deposit over clay	6.14	0.42	0.00
SPI1-000-1300	A	2	Reduced		0	0	No	Yes	No	0	85.93	5.92	4.32	6.78	Organic deposit over clay	0.14	0.01	0.00
SPI1-000-1300	B	0	-		0	0	No	No	No	0	61.27	4.22	2.09	4.66	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-1300	C	1	Oxidized		0	0	No	No	No	0	68.17	4.70	3.34	5.45	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-1500	A	5	Reduced and Oxidized		0	0	No	No	Yes	0	60.57	4.17	3.25	4.97	Organic deposit over clay	0.78	0.05	0.00
SPI1-000-1500	B	0	-		0	0	No	No	No	0	61.88	4.26	3.59	5.40	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-1500	C	6	Oxidized		0	0	No	No	No	0	62.15	4.28	3.32	6.33	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-1700	A	2	Oxidized		0	0	No	No	No	0	64.04	4.41	2.91	5.57	Organic deposit over clay	0.42	0.03	0.00
SPI1-000-1700	B	4	Oxidized		0	0	No	No	No	0	57.74	3.98	3.25	4.31	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-1700	C	2	Oxidized		0	0	No	No	No	0	56.95	3.92	3.05	4.58	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-1900	A	4	Oxidized		0	0	No	No	No	0	59.18	4.08	3.42	4.77	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-1900	B	>10	Reduced and Oxidized		0	0	No	No	No	0	65.93	4.54	3.49	5.50	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-1900	C	0	-		0	0	No	No	No	0	57.69	3.98	2.45	5.04	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-2100	A	0	-		0	0	No	No	No	0	65.31	4.50	3.39	5.19	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-2100	B	0	-		0	0	No	No	No	0	62.43	4.30	3.22	5.50	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-2100	C	2	Reduced		0	0	No	No	No	0	72.65	5.01	3.30	6.38	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-2300	A	3	Oxidized		0	0	No	No	No	0	72.72	5.01	2.76	5.60	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-2300	B	3	Reduced and Oxidized		0	0	No	No	No	0	69.04	4.76	3.30	5.60	Organic deposit over clay	0.00	0.00	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-000-2300	C	3	Reduced and Oxidized		0	0	No	No	No	0	84.78	5.84	4.36	6.20	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-2500	A	2	Reduced and Oxidized		0	0	No	No	No	0	58.82	4.05	3.13	4.75	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-2500	B	0	-		0	0	No	No	No	0	49.87	3.44	2.28	5.31	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-2500	C	1	Oxidized		0	0	No	No	No	0	71.05	4.89	3.83	6.08	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-2800	A	4	Reduced		0	0	No	No	No	0	71.61	4.93	3.49	6.23	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-2800	B	0	-		0	0	No	No	No	0	64.07	4.41	2.91	5.58	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-2800	C	4	Reduced		0	0	No	No	No	0	62.77	4.32	3.15	5.48	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-3100	A	5	Oxidized		0	0	No	No	No	0	56.01	3.86	2.33	4.89	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-3100	B	0	-		0	0	No	No	No	0	69.63	4.80	3.78	6.30	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-3100	C	0	-		0	0	No	No	No	0	64.83	4.47	3.08	4.90	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-3400	A	2	Reduced		0	0	No	No	No	0	71.39	4.92	3.20	5.06	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-3400	B	3	Reduced and Oxidized		0	0	No	No	No	0	75.04	5.17	3.61	6.42	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-3400	C	5	Oxidized		0	0	No	No	No	0	72.88	5.02	3.34	5.69	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-3700	A	>10	Oxidized		0	0	No	No	No	0	58.92	4.06	1.80	5.26	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-3700	B	2	Oxidized		0	0	No	No	No	0	70.42	4.85	3.37	6.08	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-3700	C	0	-		0	0	No	No	No	0	78.57	5.41	3.89	7.15	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-4000	A	2	Reduced and Oxidized		0	0	No	No	No	0	58.91	4.06	3.17	4.94	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-4000	B	4	Oxidized		0	0	No	No	No	0	55.43	3.82	3.15	4.75	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-4000	C	5	Reduced and Oxidized		0	0	No	No	No	0	66.67	4.59	3.44	6.20	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-4300	A	2	Reduced		0	0	No	No	No	0	57.50	3.96	3.05	4.99	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-4300	B	0	-		0	0	No	No	No	0	55.54	3.83	3.05	4.99	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-4300	C	0	-		0	0	No	No	No	0	61.08	4.21	3.27	5.45	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-4600	A	0	-		0	0	No	No	No	0	57.68	3.97	3.34	4.48	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-4600	B	0	-		0	0	No	No	No	0	49.40	3.40	2.23	4.24	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-4600	C	0	-		0	0	No	No	No	0	62.87	4.33	3.00	4.88	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-4900	A	0	-		0	0	No	No	No	0	59.64	4.11	3.05	4.46	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-4900	B	0	-		0	0	No	No	No	0	52.48	3.62	2.04	4.60	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-4900	C	2	Oxidized		0	0	No	No	No	0	57.90	3.99	2.88	4.99	Organic deposit over clay	0.00	0.00	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-000-5200	A	0	-		0	0	No	No	No	0	55.03	3.79	3.05	4.51	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-5200	B	9	Oxidized		0	0	No	No	No	0	60.35	4.16	3.32	5.19	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-5200	C	0	-		0	0	No	No	No	0	59.76	4.12	3.49	4.68	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-5500	A	6	Oxidized		0	0	No	No	No	0	52.52	3.62	2.47	4.24	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-5500	B	1	Oxidized		0	0	No	No	No	0	56.35	3.88	2.93	4.99	Organic deposit over clay	0.00	0.00	0.00
SPI1-000-5500	C	0	-		0	0	No	No	No	0	59.40	4.09	2.98	4.85	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-200	B	0	-		0	0	No	Yes	Yes	>20	Ind	Indeterminate	Ind	Ind	Organic deposit over clay	Present	Present	Ind
SPI1-045-200	C	1	Oxidized		0	0	No	Yes	Yes	>50	60.50	4.17	3.05	4.92	Organic deposit over clay	8.50	0.59	0.34
SPI1-045-300	A	4	Reduced and Oxidized		0	0	No	Yes	Yes	>20	78.73	5.42	3.95	6.71	Organic deposit over clay	17.70	1.22	0.49
SPI1-045-300	B	3	Reduced		0	0	No	Yes	Yes	>20	106.51	7.34	6.35	9.09	Organic deposit over clay	23.88	1.65	0.61
SPI1-045-300	C	2	Reduced		0	0	No	Yes	Yes	>20	127.36	8.78	7.05	9.28	Organic deposit over clay	9.78	0.67	0.00
SPI1-045-400	A	1	Reduced		0	0	No	Yes	Yes	>20	80.91	5.57	3.30	6.15	Organic deposit over clay	13.00	0.90	0.58
SPI1-045-400	B	2	Reduced		0	0	No	Yes	Yes	>20	84.64	5.83	4.56	7.22	Organic deposit over clay	14.61	1.01	0.44
SPI1-045-400	C	2	Reduced		0	0	No	Yes	Yes	9	97.64	6.73	5.11	8.26	Organic deposit over clay	7.68	0.53	0.12
SPI1-045-500	A	4	Reduced		0	0	No	Yes	Yes	2	87.31	6.02	4.87	7.39	Organic deposit over clay	13.09	0.90	0.22
SPI1-045-500	B	3	Reduced		0	0	No	Yes	Yes	4	86.50	5.96	5.06	7.03	Organic deposit over clay	9.85	0.68	0.00
SPI1-045-500	C	0	-		0	0	No	Yes	Yes	0	95.67	6.59	4.97	8.63	Organic deposit over clay	20.45	1.41	0.51
SPI1-045-700	A	1	Oxidized		0	0	No	Yes	Yes	0	91.85	6.33	4.53	7.73	Organic deposit over clay	3.79	0.26	0.00
SPI1-045-700	B	3	Reduced		0	0	No	Yes	Yes	0	84.12	5.80	4.17	7.58	Organic deposit over clay	5.09	0.35	0.00
SPI1-045-700	C	7	Reduced and Oxidized		0	0	No	Yes	Yes	0	83.44	5.75	4.29	8.31	Organic deposit over clay	13.13	0.90	0.00
SPI1-045-900	A	0	-		0	0	No	Yes	Yes	0	82.93	5.71	4.46	6.86	Organic deposit over clay	10.64	0.73	0.00
SPI1-045-900	B	7	Reduced and Oxidized		0	0	No	Yes	Yes	0	72.09	4.97	4.09	5.79	Organic deposit over clay	0.66	0.05	0.00
SPI1-045-900	C	1	Oxidized		0	0	No	Yes	No	0	72.20	4.97	3.56	5.57	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-1100	A	>10	Reduced and Oxidized		0	0	No	Yes	Yes	0	67.85	4.68	3.61	5.86	Organic deposit over clay	2.29	0.16	0.00
SPI1-045-1100	B	0	-		0	0	No	No	No	0	69.58	4.79	3.90	5.43	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-1100	C	4	Oxidized		0	0	No	No	No	0	62.02	4.27	3.91	5.02	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-1300	A	2	Oxidized		0	0	No	No	No	0	65.13	4.49	3.49	4.53	Organic deposit over clay	0.00	0.00	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-045-1300	B	1	Reduced		0	0	No	No	No	0	62.23	4.29	3.03	4.36	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-1300	C	0	-		0	0	No	No	No	0	66.28	4.57	3.98	5.62	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-1500	A	5	Oxidized		0	0	No	No	No	0	53.97	3.72	3.01	4.34	Organic deposit over clay	0.17	0.01	0.00
SPI1-045-1500	B	5	3 Reduced 2 Oxidized		0	0	No	No	No	0	64.08	4.42	3.39	5.45	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-1500	C	2	Reduced		0	0	No	No	No	0	79.23	5.46	4.70	6.64	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-1700	A	1	Reduced		0	0	No	No	No	0	71.91	4.95	3.51	5.82	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-1700	B	0	-		0	0	No	No	No	0	72.40	4.99	4.19	5.77	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-1700	C	0	-		0	0	No	No	No	0	59.22	4.08	2.84	4.99	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-1900	A	0	-		0	0	No	No	No	0	61.63	4.25	2.59	4.89	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-1900	B	0	-		0	0	No	No	No	0	62.03	4.27	3.27	4.56	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-1900	C	0	-		0	0	No	No	No	0	61.90	4.26	2.86	4.46	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-2100	A	0	-		0	0	No	No	No	0	56.22	3.87	2.79	4.58	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-2100	B	4	Reduced		0	0	No	No	No	0	57.88	3.99	2.57	4.97	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-2100	C	2	Oxidized		0	0	No	No	No	0	77.49	5.34	3.61	5.24	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-2300	A	>100	Oxidized		0	0	No	No	No	0	65.13	4.49	2.52	5.62	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-2300	B	0	-		0	0	No	No	No	0	61.97	4.27	3.25	4.97	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-2300	C	0	-		0	0	No	No	No	0	61.10	4.21	2.64	5.57	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-2500	A	5	Oxidized		0	0	No	No	No	0	65.89	4.54	2.93	5.16	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-2500	B	1	Oxidized		0	0	No	No	No	0	43.98	3.03	2.16	4.58	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-2500	C	0	-		0	0	No	No	No	0	68.59	4.73	3.15	6.11	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-2800	A	9	Oxidized		0	0	No	No	No	0	57.14	3.94	2.16	5.75	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-2800	B	0	-		0	0	No	No	No	0	63.52	4.38	2.71	4.85	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-2800	C	2	Oxidized		0	0	No	No	No	0	72.15	4.97	3.78	6.40	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-3100	A	>20	Oxidized		0	0	No	No	No	0	72.30	4.98	3.80	6.13	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-3100	B	>20	Oxidized		0	0	No	No	No	0	69.97	4.82	3.37	6.69	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-3100	C	5	1 Reduced, 5 Oxidized		0	0	No	No	No	0	67.13	4.63	2.98	5.43	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-3400	A	0	-		0	0	No	No	No	0	66.09	4.55	3.03	5.65	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-3400	B	0	-		0	0	No	No	No	0	72.02	4.96	3.37	5.67	Organic deposit over clay	0.00	0.00	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-045-3400	C	0	-		0	0	No	No	No	0	68.81	4.74	3.47	4.97	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-3700	A	0	-		0	0	No	No	No	0	65.69	4.53	3.52	5.38	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-3700	B	0	-		0	0	No	No	No	0	76.22	5.25	3.51	5.99	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-3700	C	0	-		0	0	No	No	No	0	62.30	4.29	2.71	5.57	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-4000	A	12	4 Reduced 8 Oxidized		0	0	No	No	No	0	63.14	4.35	3.54	5.02	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-4000	B	0	-		0	0	No	No	No	0	59.02	4.07	2.98	4.73	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-4000	C	0	-		0	0	No	No	No	0	60.96	4.20	2.93	5.53	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-4300	A	0	-		0	0	No	No	No	0	63.76	4.39	2.55	6.08	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-4300	B	0	-		0	0	No	No	No	0	60.98	4.20	2.66	4.75	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-4300	C	>20	Oxidized		0	0	No	No	No	0	56.89	3.92	3.00	5.21	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-4600	A	>20	Reduced and Oxidized		0	0	No	No	No	0	69.45	4.79	3.64	5.67	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-4600	B	2	Reduced and Oxidized		0	0	No	No	No	0	72.34	4.98	3.56	5.79	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-4600	C	0	-		0	0	No	No	No	0	54.49	3.75	2.08	5.06	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-4900	A	>20	Reduced and Oxidized		0	0	No	No	No	0	60.16	4.14	2.93	4.65	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-4900	B	>20	Oxidized		0	0	No	No	No	0	60.15	4.14	2.50	5.21	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-4900	C	>20	Oxidized		0	0	No	No	No	0	52.81	3.64	2.79	4.10	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-5200	A	0	-		0	0	No	No	No	0	79.00	5.44	4.29	6.25	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-5200	B	0	-		0	0	No	No	No	0	77.67	5.35	3.68	6.35	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-5200	C	5	Reduced		0	0	No	No	No	0	58.77	4.05	2.16	4.85	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-5500	A	0	-		0	0	No	No	No	0	73.78	5.08	3.63	5.69	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-5500	B	>50	Reduced and Oxidized		0	0	No	No	No	0	67.21	4.63	3.15	5.77	Organic deposit over clay	0.00	0.00	0.00
SPI1-045-5500	C	>20	Oxidized		0	0	No	No	No	0	56.45	3.89	2.76	5.60	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-200	A	0	-		0	0	No	Yes	Yes	Trace	115.21	7.94	6.06	10.28	Organic deposit over clay	33.70	2.32	1.19
SPI1-225-200	B	0	-		0	0	No	Yes	Yes	Trace	Ind	Ind	5.60	10.64	Organic deposit over clay	Ind	Ind	Ind
SPI1-225-200	C	0	-		0	0	No	Yes	Yes	Trace	82.52	5.69	3.54	7.27	Organic deposit over clay	35.06	2.42	1.70
SPI1-225-300	A	0	-		0	0	No	Yes	Yes	0	93.67	6.45	4.97	9.06	Organic deposit over clay	29.69	2.05	1.26
SPI1-225-300	B	0	-		0	0	No	Yes	Yes	0	56.38	3.88	2.88	4.39	Organic deposit over clay	11.57	0.80	0.15
SPI1-225-300	C	0	-		0	0	No	Yes	Yes	0	79.43	5.47	3.34	6.74	Organic deposit over clay	26.78	1.85	0.92

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-225-400	A	1	Reduced		0	0	No	Yes	Yes	0	70.56	4.86	3.95	5.91	Organic deposit over clay	19.29	1.33	0.82
SPI1-225-400	B	1	Reduced		0	0	No	Yes	Yes	0	71.46	4.92	3.73	6.25	Organic deposit over clay	23.48	1.62	1.04
SPI1-225-400	C	0	-		0	0	No	Yes	Yes	Trace	92.50	6.37	4.31	8.12	Organic deposit over clay	41.75	2.88	1.65
SPI1-225-500	A	5	# reduced 2 Oxidized		0	0	No	Yes	Yes	0	76.69	5.28	3.66	6.49	Organic deposit over clay	14.79	1.02	0.24
SPI1-225-500	B	0	-		0	0	No	Yes	Yes	0	75.41	5.20	4.24	5.96	Organic deposit over clay	9.89	0.68	0.27
SPI1-225-500	C	1	Reduced		0	0	No	Yes	Yes	0	74.10	5.11	3.42	5.82	Organic deposit over clay	18.84	1.30	0.61
SPI1-225-700	A	3	Reduced		0	0	No	Yes	Yes	0	60.95	4.20	2.88	4.97	Organic deposit over clay	3.09	0.21	0.00
SPI1-225-700	B	5	Reduced		0	0	No	Yes	Yes	0	71.97	4.96	2.96	5.57	Organic deposit over clay	24.18	1.67	0.86
SPI1-225-700	C	3	Reduced		0	0	No	Yes	Yes	0	81.97	5.65	4.46	6.37	Organic deposit over clay	18.77	1.29	0.27
SPI1-225-900	A	0	-		0	0	No	Yes	No	0	60.01	4.13	3.49	4.73	Organic deposit over clay	1.15	0.08	0.00
SPI1-225-900	B	0	-		0	0	No	Trace	No	0	59.29	4.08	2.71	5.67	Organic deposit over clay	0.17	0.01	0.00
SPI1-225-900	C	5	3 Reduced 2 Oxidized		0	0	No	No	No	0	59.18	4.08	3.20	5.26	Organic deposit over clay	0.09	0.01	0.00
SPI1-225-1100	A	0	-		0	0	No	Yes	Yes	0	81.82	5.64	3.97	6.93	Organic deposit over clay	14.93	1.03	0.41
SPI1-225-1100	B	2	Reduced		0	0	No	Yes	Yes	0	78.42	5.40	4.24	6.52	Organic deposit over clay	16.24	1.12	0.24
SPI1-225-1100	C	0	-		0	0	No	Yes	Yes	0	72.37	4.99	4.22	5.67	Organic deposit over clay	20.64	1.42	0.63
SPI1-225-1300	A	0	-		0	0	No	No	No	0	77.64	5.35	3.22	7.05	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-1300	B	3	Reduced		0	0	No	No	No	0	70.41	4.85	3.54	6.20	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-1300	C	0	-		0	0	No	No	No	0	69.89	4.82	3.20	5.74	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-1500	A	3	Reduced		0	0	No	No	No	0	71.82	4.95	3.78	5.43	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-1500	B	2	Oxidized		0	0	No	No	No	0	62.99	4.34	3.27	5.36	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-1500	C	0	-		0	0	No	No	No	0	62.53	4.31	3.32	4.68	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-1700	A	1	Oxidized		0	0	No	No	No	0	61.33	4.23	3.10	5.11	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-1700	B	2	Oxidized		0	0	No	No	No	0	56.58	3.90	3.13	5.19	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-1700	C	2	Reduced		0	0	No	No	No	0	64.62	4.45	3.37	4.99	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-1900	A	6	Reduced		0	0	No	No	No	0	65.50	4.51	3.37	4.51	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-1900	B	0	-		0	0	No	No	No	0	54.64	3.76	2.47	4.87	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-1900	C	2	Oxidized		0	0	No	No	No	0	60.43	4.16	3.27	5.33	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-2100	A	3	2 Reduced 1 Oxidized		0	0	No	No	No	0	67.07	4.62	3.49	4.92	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-2100	B	3	Reduced		0	0	No	No	No	0	54.53	3.76	2.76	4.48	Organic deposit over clay	0.00	0.00	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-225-2100	C	1	Reduced		0	0	No	No	Yes	0	64.57	4.45	3.30	4.53	Organic deposit over clay	51.87	3.57	3.12
SPI1-225-2300	A	1	Oxidized		0	0	No	No	No	0	61.69	4.25	3.20	4.65	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-2300	B	3	1 Reduced 2 Oxidized		0	0	No	No	No	0	56.10	3.86	2.76	4.75	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-2300	C	1	Oxidized		0	0	No	No	No	0	60.14	4.14	3.10	4.65	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-2500	A	2	Oxidized		0	0	No	No	No	0	53.74	3.70	2.98	4.12	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-2500	B	2	Reduced		0	0	No	No	No	0	70.10	4.83	3.63	5.84	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-2500	C	1	Reduced		0	0	No	No	No	0	60.74	4.19	3.51	5.07	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-2800	A	2	Reduced		0	0	No	No	No	0	59.26	4.08	2.96	4.73	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-2800	B	0	-		0	0	No	No	No	0	63.22	4.36	3.44	4.80	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-2800	C	1	Reduced		0	0	No	No	No	0	56.03	3.86	2.98	4.12	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-3100	A	2	Reduced		0	0	No	No	No	0	60.44	4.16	3.10	5.05	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-3100	B	3	1 Reduced 2 Oxidized		0	0	No	No	No	0	93.33	6.43	5.06	7.61	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-3100	C	3	Oxidized		0	0	No	No	No	0	83.80	5.77	4.10	5.99	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-3400	A	0	-		0	0	No	No	No	0	61.94	4.27	3.10	4.70	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-3400	B	1	Reduced		0	0	No	No	No	0	59.89	4.13	2.74	4.00	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-3400	C	>10	Oxidized		0	0	No	No	No	0	66.60	4.59	3.34	5.48	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-3700	A	0	-		0	0	No	No	No	0	61.04	4.21	3.20	4.94	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-3700	B	6	4 Reduced 2 Oxidized		0	0	No	No	No	0	115.21	7.94	4.53	12.04	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-3700	C	2	Reduced		0	0	No	No	No	0	61.81	4.26	2.62	5.43	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-4000	A	2	Reduced		0	0	No	No	No	0	57.58	3.97	3.17	4.29	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-4000	B	2	Reduced		0	0	No	No	No	0	66.95	4.61	3.49	6.25	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-4000	C	9	Oxidized		0	0	No	No	No	0	76.83	5.29	3.56	7.22	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-4300	A	2	Oxidized		0	0	No	No	No	0	58.96	4.06	2.98	4.56	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-4300	B	1	Reduced		0	0	No	No	No	0	75.31	5.19	3.30	7.61	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-4300	C	2	Reduced		0	0	No	No	No	0	63.01	4.34	3.20	4.87	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-4600	A	2	Reduced		0	0	No	No	No	0	65.26	4.50	3.15	5.67	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-4600	B	5	Reduced		0	0	No	No	No	0	62.93	4.34	3.20	4.36	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-4600	C	0	-		0	0	No	No	No	0	65.37	4.50	3.42	5.09	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-4900	A	6	Oxidized		0	0	No	No	No	0	52.87	3.64	2.28	5.40	Organic deposit over clay	0.00	0.00	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-225-4900	B	3	Oxidized		0	0	No	No	No	0	59.73	4.12	2.45	4.94	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-4900	C	0	-		0	0	No	No	No	0	60.16	4.15	3.49	4.99	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-5200	A	0	-		0	0	No	No	No	0	55.25	3.81	2.91	5.11	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-5200	B	0	-		0	0	No	No	No	0	77.66	5.35	3.20	5.16	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-5200	C	2	1 Reduced 1 Oxidized		0	0	No	No	No	0	64.40	4.44	3.15	5.26	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-5500	A	0	-		0	0	No	No	No	0	75.42	5.20	3.63	6.25	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-5500	B	1	Reduced		0	0	No	No	No	0	61.53	4.24	3.27	4.82	Organic deposit over clay	0.00	0.00	0.00
SPI1-225-5500	C	0	-		0	0	No	No	No	0	69.36	4.78	3.83	5.50	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-200	A	0	-		0	0	No	Yes	Yes	>50	88.73	6.11	4.36	6.08	Organic deposit over clay	27.06	1.86	1.02
SPI1-270-200	B	0	-		0	0	No	Yes	Yes	>50	73.66	5.08	3.88	5.60	Organic deposit over clay	23.86	1.64	1.14
SPI1-270-200	C	1	Reduced		0	0	No	Yes	Yes	>50	95.14	6.55	4.41	7.95	Organic deposit over clay	48.57	3.35	1.89
SPI1-270-300	A	0	-		0	0	No	Yes	Yes	Trace	76.00	5.24	5.23	6.57	Organic deposit over clay	17.80	1.23	0.92
SPI1-270-300	B	0	-		0	0	No	Yes	Yes	Trace	81.48	5.61	3.37	6.95	Organic deposit over clay	32.89	2.27	1.21
SPI1-270-300	C	5	1 Reduced 4 Oxidized		0	0	No	No	No	0	46.97	3.24	2.69	3.83	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-400	A	0	-		0	0	No	Yes	Yes	3	76.31	5.26	4.51	6.11	Organic deposit over clay	19.50	1.34	1.11
SPI1-270-400	B	1	Oxidized		0	0	No	Yes	Yes	0	93.86	6.47	5.19	8.24	Organic deposit over clay	7.62	0.52	0.00
SPI1-270-400	C	1	Reduced		0	0	No	Yes	Yes	15	71.81	4.95	3.93	6.18	Organic deposit over clay	21.54	1.48	0.75
SPI1-270-500	A	1	Reduced		0	0	No	No	No	0	68.86	4.74	3.51	6.11	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-500	B	9	Reduced		0	0	No	Yes	Yes	Trace	68.75	4.74	3.35	5.79	Organic deposit over clay	6.69	0.46	0.00
SPI1-270-500	C	2	Reduced		0	0	No	Yes	Yes	Trace	73.60	5.07	3.71	5.89	Organic deposit over clay	8.69	0.60	0.00
SPI1-270-700	A	>10	Oxidized		0	0	No	Yes	Yes	0	58.51	4.03	2.76	5.19	Organic deposit over clay	5.46	0.38	0.22
SPI1-270-700	B	4	2 Reduced 2 Oxidized		0	0	No	Yes	No	Trace	65.68	4.52	3.32	5.04	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-700	C	5	Oxidized		0	0	No	Yes	Yes	0	50.72	3.49	2.33	5.26	Organic deposit over clay	1.79	0.12	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-270-900	A	6	1 Reduced 5 Oxidized		0	0	No	Trace	No	0	64.47	4.44	3.37	5.48	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-900	B	0	-		0	0	No	No	No	0	67.03	4.62	3.51	4.97	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-900	C	0	-		0	0	No	No	No	0	28.61	1.97	0.88	2.91	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-1100	A	2	Reduced		0	0	No	Trace	Yes	0	73.87	5.09	4.10	5.82	Organic deposit over clay	1.72	0.12	0.00
SPI1-270-1100	B	0	-		0	0	No	Yes	Yes	0	74.20	5.11	4.05	6.18	Organic deposit over clay	4.94	0.34	0.00
SPI1-270-1100	C	3	2 Reduced 1 Oxidized		0	0	No	Trace	Yes	0	57.95	3.99	2.91	5.26	Organic deposit over clay	3.56	0.25	0.00
SPI1-270-1300	A	0	-		0	0	No	No	No	0	72.89	5.02	2.98	6.06	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-1300	B	0	-		0	0	No	No	No	0	56.23	3.87	2.09	5.68	Organic deposit over clay	0.36	0.03	0.00
SPI1-270-1300	C	5	Reduced		0	0	No	No	No	0	48.73	3.36	2.59	4.20	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-1500	A	5	Oxidized		0	0	No	No	No	0	66.71	4.60	3.51	5.69	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-1500	B	3	Oxidized		0	0	No	No	No	0	70.77	4.88	4.36	6.25	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-1500	C	0	-		0	0	No	No	No	0	58.52	4.03	3.00	5.09	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-1700	A	6	2 Reduced 4 Oxidized		0	0	No	No	No	0	70.55	4.86	4.29	5.65	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-1700	B	6	1 Reduced 5 Oxidized		0	0	No	No	No	0	61.05	4.21	3.47	4.63	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-1700	C	13	2 Reduced 11 Oxidized		0	0	No	No	No	0	63.96	4.41	3.34	5.74	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-1900	A	1	Oxidized		0	0	No	No	No	0	63.64	4.38	3.93	5.21	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-1900	B	4	Oxidized		0	0	No	No	No	0	103.95	7.16	5.28	7.85	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-1900	C	2	Oxidized		0	0	No	No	No	0	75.34	5.19	3.54	6.20	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-2100	A	6	3 Reduced 3 Oxidized		0	0	No	No	No	0	60.17	4.15	3.37	4.68	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-2100	B	2	Reduced		0	0	No	No	No	0	80.16	5.52	4.53	6.62	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-2100	C	4	Reduced		0	0	No	No	No	0	56.71	3.91	3.44	4.82	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-2300	A	3	Oxidized		0	0	No	No	No	0	62.51	4.31	3.61	5.28	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-2300	B	7	2 Reduced 5 Oxidized		0	0	No	No	No	0	54.46	3.75	3.32	4.51	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-2300	C	0	-		0	0	No	No	No	0	56.87	3.92	2.84	4.43	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-2500	A	7	3 Reduced 4 Oxidized		0	0	No	No	No	0	57.37	3.95	2.96	4.48	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-2500	B	8	Reduced		0	0	No	No	No	0	73.48	5.06	4.48	6.11	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-2500	C	0	-		0	0	No	No	No	0	63.63	4.38	3.20	5.04	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-2800	A	0	-		0	0	No	No	No	0	59.19	4.08	3.49	4.75	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-2800	B	0	-		0	0	No	No	No	0	62.35	4.30	3.63	4.82	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-2800	C	3	Oxidized		0	0	No	No	No	0	78.10	5.38	4.41	6.71	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-3400	A	4	Oxidized		0	0	No	No	No	0	69.33	4.78	4.12	5.43	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-3400	B	0	-		0	0	No	No	No	0	70.41	4.85	3.80	6.25	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-3400	C	14	11 Reduced 3 Oxidized		0	0	No	No	No	0	68.42	4.71	3.66	5.16	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-3700	A	3	Reduced		0	0	No	No	No	0	73.49	5.06	4.12	5.94	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-3700	B	10+	most oxidized, a few reduced		0	0	No	No	No	0	68.99	4.75	3.95	5.96	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-3700	C	1	Oxidized		0	0	No	No	No	0	72.91	5.02	4.00	5.57	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-4000	A	3	Reduced		0	0	No	No	No	0	65.30	4.50	3.23	5.57	Organic deposit over clay	0.00	0.00	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-270-4000	B	10	4 Reduced 6 Oxidized		0	0	No	No	No	0	59.24	4.08	3.15	4.82	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-4000	C	8+	3 Reduced 5 Oxidized		0	0	No	No	No	0	67.91	4.68	4.17	6.18	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-4300	A	0	-		0	0	No	No	No	0	69.71	4.80	4.19	5.52	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-4300	B	6	3 Reduced 3 Oxidized		0	0	No	No	No	0	65.13	4.49	4.02	5.38	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-4300	C	5	3 Reduced 2 Oxidized		0	0	No	No	No	0	70.56	4.86	3.42	6.06	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-4600	A	0	-		0	0	No	No	No	0	75.89	5.23	3.97	6.08	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-4600	B	10	Reduced		0	0	No	No	No	0	69.83	4.81	3.49	5.36	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-4600	C	4	2 Reduced 2 Oxidized		0	0	No	No	No	0	74.65	5.14	3.95	6.06	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-4900	A	0	-		0	0	No	No	No	0	68.68	4.73	3.66	5.50	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-4900	B	6	2 Reduced 4 Oxidized		0	0	No	No	No	0	60.77	4.19	3.30	4.80	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-4900	C	0	-		0	0	No	No	No	0	59.69	4.11	3.64	4.34	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-5200	A	0	-		0	0	No	No	No	0	70.04	4.83	3.78	6.13	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-5200	B	0	-		0	0	No	No	No	0	63.59	4.38	3.71	5.28	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-5200	C	2	Reduced		0	0	No	No	No	0	74.75	5.15	4.12	5.94	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-5500	A	0	-		0	0	No	No	No	0	56.35	3.88	3.10	5.04	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-5500	B	0	-		0	0	No	No	No	0	71.07	4.90	3.71	6.03	Organic deposit over clay	0.00	0.00	0.00
SPI1-270-5500	C	3	2 Reduced 1 Oxidized		0	0	No	No	No	0	Ind	Ind	Ind	Ind	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-200	A	Ind	Ind		0	0	No	Yes	Yes	4	Ind	Ind	Ind	Ind	Organic deposit over clay	Ind	Ind	Ind
SPI1-315-200	B	3	Reduced		0	0	No	Yes	Yes	>20	Ind	Ind	Ind	Ind	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-200	C	2	Reduced		0	0	No	Yes	Yes	>20	170.04	11.72	10.28	13.13	Organic deposit over clay	1.62	0.11	0.00
SPI1-315-300	A	Ind	Ind		0	0	No	Ind	Yes	>20	Ind	Ind	Ind	Ind	Organic deposit over clay	Ind	Ind	Ind
SPI1-315-300	B	3	Reduced		0	0	No	Yes	Yes	8	Ind	Ind	Ind	Ind	Organic deposit over clay	1.65	0.11	0.00
SPI1-315-300	C	2	Reduced		0	0	No	Yes	Yes	>10	Ind	Ind	Ind	Ind	Organic deposit over clay	Trace	Trace	0.00
SPI1-315-400	A	3	Reduced		0	0	No	Yes	Yes	>10	199.02	13.71	12.68	15.49	Organic deposit over clay	Trace	Trace	0.00
SPI1-315-400	B	Ind	Ind		0	0	No	Yes	Yes	>10	Ind	Ind	Ind	Ind	Organic deposit over clay	Ind	Ind	Ind
SPI1-315-400	C	Ind	Ind		0	0	No	Yes	Yes	>10	Ind	Ind	Ind	Ind	Organic deposit over clay	Ind	Ind	Ind
SPI1-315-500	A	7	Reduced		0	0	No	No	Yes	2	121.76	8.39	7.54	9.72	Organic deposit over clay	0.73	0.05	0.00
SPI1-315-500	B	0	-		0	0	No	Yes	Yes	5	188.35	12.98	11.51	13.98	Organic deposit over clay	0.65	0.04	0.00
SPI1-315-500	C	5	Reduced		0	0	No	Yes	Yes	10	114.56	7.89	6.35	10.10	Organic deposit over clay	0.39	0.03	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-315-700	A	6	5 Reduced 1 Oxidized		0	0	No	Yes	Yes	0	103.12	7.10	5.36	8.22	Organic deposit over clay	0.67	0.05	0.00
SPI1-315-700	B	2	Reduced		0	0	No	Yes	Yes	0	83.73	5.77	4.73	6.95	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-700	C	1	Reduced		0	0	No	Yes	Yes	0	93.90	6.47	5.69	7.37	Organic deposit over clay	Trace	Trace	0.00
SPI1-315-900	A	8	5 Reduced 3 Oxidized		0	0	No	No	No	0	63.61	4.38	3.64	5.48	Organic deposit over clay	0.04	0.00	0.00
SPI1-315-900	B	5	4 Reduced 1 Oxidized		0	0	No	No	No	0	73.33	5.05	4.41	5.82	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-900	C	2	Reduced		0	0	No	No	No	0	92.56	6.38	5.74	7.05	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-1100	A	0	-		0	0	No	No	No	0	87.11	6.00	5.62	6.66	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-1100	B	2	Oxidized		0	0	No	No	No	0	47.56	3.28	0.82	6.75	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-1100	C	1	Oxidized		0	0	No	No	No	5	78.87	5.43	4.44	6.52	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-1300	A	0			0	0	No	No	No	0	77.86	5.36	2.89	7.32	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-1300	B	3	Oxidized		0	0	No	No	No	0	73.32	5.05	4.02	6.57	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-1300	C	0			0	0	No	No	No	0	73.95	5.09	4.51	6.03	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-1500	A	0			0	0	No	No	No	0	71.08	4.90	4.10	5.90	Organic deposit over clay	1.28	0.09	0.00
SPI1-315-1500	B	3	Oxidized		0	0	No	No	No	0	62.83	4.33	3.47	5.27	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-1500	C	3	Oxidized		0	0	No	No	No	7	61.76	4.26	3.30	4.60	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-1700	A	0			0	0	No	No	No	0	74.75	5.15	4.05	7.35	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-1700	B	3	Both		0	0	No	No	No	0	65.40	4.51	3.68	5.74	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-1700	C	1	Oxidized		0	0	No	No	No	0	60.11	4.14	3.85	4.65	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-1900	A	0			0	0	No	No	No	0	63.86	4.40	3.66	5.26	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-1900	B	1	Oxidized		0	0	No	No	No	>10	68.91	4.75	3.78	5.31	Organic deposit over clay	2.46	0.17	0.00
SPI1-315-1900	C	4	Oxidized		0	0	No	No	No	0	64.04	4.41	3.66	5.52	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-2100	A	3	Oxidized		0	0	No	No	No	0	80.25	5.53	3.62	6.21	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-2100	B	0			0	0	No	No	No	0	65.67	4.52	3.03	6.28	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-2100	C	0			0	0	No	No	No	0	70.31	4.84	3.97	6.25	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-2300	A	1	Reduced		0	0	No	No	No	0	60.16	4.15	2.84	5.45	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-2300	B	0			0	0	No	No	No	0	65.73	4.53	3.64	5.50	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-2300	C	6	Both		0	0	No	No	No	0	71.38	4.92	3.90	5.82	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-2500	A	0			0	0	No	No	No	0	66.73	4.60	3.30	6.03	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-2500	B	0			0	0	No	No	No	0	56.10	3.86	2.57	4.05	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-2500	C	0			0	0	No	No	No	0	70.25	4.84	4.05	6.32	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-2800	A	0			0	0	No	No	No	0	80.44	5.54	3.80	6.57	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-2800	B	0			0	0	No	No	No	0	67.27	4.63	2.79	5.86	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-2800	C	0			0	0	No	No	No	0	67.32	4.64	3.56	5.87	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-3100	A	1	Oxidized		0	0	No	No	No	0	61.81	4.26	3.51	4.99	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-3100	B	0			0	0	No	No	No	0	60.81	4.19	3.05	5.48	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-3100	C	6	Oxidized		0	0	No	No	No	0	60.23	4.15	3.11	5.60	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-3400	A	Ind			0	0	No	No	No	0	63.64	4.38	3.80	5.16	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-3400	B	0			0	0	No	No	No	0	64.20	4.42	3.51	5.09	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-3400	C	0			0	0	No	No	No	0	66.49	4.58	3.05	5.77	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-3700	A	10	Oxidized		0	0	No	No	No	0	63.11	4.35	3.66	5.19	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-3700	B	3	Reduced		0	0	No	No	No	0	62.87	4.33	3.39	5.26	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-3700	C	0			0	0	No	No	No	0	69.79	4.81	4.19	5.72	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-4000	A	0			0	0	No	No	No	0	68.70	4.73	3.64	5.48	Organic deposit over clay	0.00	0.00	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-315-4000	B	0			0	0	No	No	No	0	52.21	3.60	2.33	4.26	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-4000	C	0			0	0	No	No	No	0	63.11	4.35	3.42	5.43	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-4300	A	0			0	0	No	No	No	0	56.91	3.92	3.27	4.82	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-4300	B	2	Oxidized		0	0	No	No	No	0	70.63	4.87	4.29	5.96	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-4300	C	4	Oxidized		0	0	No	No	No	0	44.52	3.07	1.74	4.14	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-4600	A	0			0	0	No	No	No	0	55.99	3.86	2.50	4.70	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-4600	B	0			0	0	No	No	No	0	75.67	5.21	3.66	6.37	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-4600	C	0			0	0	No	No	No	0	68.34	4.71	3.54	6.11	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-4900	A	0			0	0	No	No	No	0	56.82	3.91	3.39	5.31	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-4900	B	0			0	0	No	No	No	0	57.53	3.96	3.08	5.33	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-4900	C	0			0	0	No	No	No	0	68.14	4.69	3.15	5.60	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-5200	A	0			0	0	No	No	No	0	53.12	3.66	2.74	3.85	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-5200	B	1	Reduced		0	0	No	No	No	0	57.80	3.98	3.61	4.43	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-5200	C	1	Reduced		0	0	No	No	No	0	65.32	4.50	3.83	5.74	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-5500	A	0			0	0	No	No	No	0	53.25	3.67	2.57	4.92	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-5500	B	0			0	0	No	No	No	0	67.19	4.63	3.51	5.28	Organic deposit over clay	0.00	0.00	0.00
SPI1-315-5500	C	1	Oxidized		0	0	No	No	No	0	62.13	4.28	3.73	5.06	Organic deposit over clay	0.00	0.00	0.00
SPI1-RK-MT2	A	0			0	0	No	No	No	0	35.54	2.45	1.19	3.10	Organic deposit over clay	0.00	0.00	0.00
SPI1-RK-MT2	B	0			0	0	No	No	No	0	29.41	2.03	1.48	3.08	Organic deposit over clay	0.00	0.00	0.00
SPI1-RK-MT2	C	6	Reduced		0	0	No	No	No	0	37.70	2.60	1.87	3.05	Organic deposit over clay	0.00	0.00	0.00
SPI1-RK-MT3	A	0			0	0	No	No	No	0	130.12	8.97	8.17	10.27	Organic deposit over clay	0.00	0.00	0.00
SPI1-RK-MT3	B	0			0	0	No	No	No	0	102.45	7.06	4.97	8.92	Organic deposit over clay	0.00	0.00	0.00
SPI1-RK-MT3	C	1	Reduced		0	0	No	No	No	0	89.75	6.18	3.73	7.37	Organic deposit over clay	0.00	0.00	0.00
SPI1-RK-HiPro	A	2	Reduced		0	0	No	No	No	0	70.08	4.83	3.18	6.35	Organic deposit over clay	0.00	0.00	0.00
SPI1-RK-HiPro	B	0			0	0	No	No	No	0	56.61	3.90	2.71	5.82	Organic deposit over clay	0.00	0.00	0.00
SPI1-RK-HiPro	C	0			0	0	No	No	No	0	80.51	5.55	4.68	6.49	Organic deposit over clay	0.00	0.00	0.00
SPI1-LBNL7	A	0			0	0	No	No	No	0	58.55	4.03	3.42	5.36	Organic deposit over clay	0.00	0.00	0.00
SPI1-LBNL7	B	3	Oxidized		0	0	No	No	No	0	59.68	4.11	3.49	5.26	Organic deposit over clay	0.00	0.00	0.00
SPI1-LBNL7	C	0			0	0	No	No	No	0	52.33	3.61	2.71	4.87	Organic deposit over clay	0.00	0.00	0.00
SPI1-MC292/FF005	A	0			0	0	No	No	No	0	54.95	3.79	2.52	5.21	Organic deposit over clay	0.00	0.00	0.00
SPI1-MC292/FF005	B	0			0	0	No	No	No	0	155.12	10.69	8.12	11.61	Organic deposit over clay	0.00	0.00	0.00
SPI1-MC292/FF005	C	2	Oxidized		0	0	No	No	No	0	40.54	2.79	1.75	3.27	Organic deposit over clay	0.00	0.00	0.00
SPI1-2.21	A	3	Oxidized		0	0	No	No	No	0	67.84	4.67	3.05	6.11	Organic deposit over clay	0.00	0.00	0.00
SPI1-2.21	B	8	Oxidized		0	0	No	No	No	0	72.09	4.97	4.25	5.67	Organic deposit over clay	0.00	0.00	0.00
SPI1-2.21	C	0			0	0	No	No	No	0	57.16	3.94	2.62	6.86	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF010	A	1	Oxidized		0	0	No	No	No	0	60.93	4.20	3.32	4.68	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF010	B	0			0	0	No	No	No	0	70.49	4.86	3.76	6.54	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF010	C	0			0	0	No	No	No	0	67.63	4.66	3.56	5.50	Organic deposit over clay	0.00	0.00	0.00
SPI1-D044S	A	0			0	0	No	No	No	0	57.86	3.99	3.05	5.69	Organic deposit over clay	0.00	0.00	0.00
SPI1-D044S	B	0			0	0	No	No	No	0	61.66	4.25	3.47	5.48	Organic deposit over clay	0.00	0.00	0.00
SPI1-D044S	C	3	Oxidized		0	0	No	No	No	0	62.66	4.32	3.54	6.01	Organic deposit over clay	0.00	0.00	0.00
SPI1-D042S	A	0			0	0	No	Yes	Yes	0	71.78	4.95	3.68	6.11	Organic deposit over clay	0.00	0.00	0.00
SPI1-D042S	B	0			0	0	No	No	Yes	0	122.02	8.41	7.49	9.28	Organic deposit over clay	0.00	0.00	0.00
SPI1-D042S	C	3	Oxidized		0	0	No	No	Yes	0	136.36	9.39	8.12	9.98	Organic deposit over clay	0.00	0.00	0.00
SPI1-D038SW	A	2	Oxidized		0	0	No	Yes	Yes	>50	103.28	7.12	5.86	8.00	Organic deposit over clay	2.11	0.15	0.00
SPI1-D038SW	B	2	Oxidized		0	0	No	No	Yes	>20	78.97	5.44	3.80	6.59	Organic deposit over clay	5.54	0.38	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-D038SW	C	1	Oxidized		0	0	No	Yes	Yes	>50	76.05	5.24	4.19	6.52	Organic deposit over clay	19.42	1.34	0.94
SPI1-A-86	A	0			0	0	No	No	No	0	63.22	4.36	3.95	5.28	Organic deposit over clay	0.00	0.00	0.00
SPI1-A-86	B	0			0	0	No	No	No	0	64.99	4.48	3.23	5.26	Organic deposit over clay	0.00	0.00	0.00
SPI1-A-86	C	4	Oxidized		0	0	No	No	No	0	57.92	3.99	2.98	5.43	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF009/270-3100	A	2	Oxidized		0	0	No	No	No	0	54.14	3.73	2.54	4.92	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF009/270-3100	B	0			0	0	No	No	No	0	63.61	4.38	2.98	6.62	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF009/270-3100	C	4	Oxidized		0	0	No	No	No	0	75.67	5.21	4.10	5.89	Organic deposit over clay	0.00	0.00	0.00
SPI1-LBNL14	A	0			0	0	No	No	No	0	60.16	4.15	3.32	5.16	Organic deposit over clay	0.00	0.00	0.00
SPI1-LBNL14	B	4	Oxidized		0	0	No	No	No	0	57.60	3.97	2.94	4.97	Organic deposit over clay	0.00	0.00	0.00
SPI1-LBNL14	C	0			0	0	No	No	No	0	67.22	4.63	3.73	5.77	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF008	A	10	Oxidized		0	0	No	No	No	0	63.97	4.41	3.34	5.38	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF008	B	8	Oxidized		0	0	No	No	No	0	45.18	3.11	1.96	5.09	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF008	C	3	Oxidized		0	0	No	No	No	0	63.70	4.39	3.47	5.09	Organic deposit over clay	0.00	0.00	0.00
SPI1-LBNL1	A	0			0	0	No	No	Yes	3	65.64	4.52	3.73	5.19	Organic deposit over clay	7.16	0.49	0.00
SPI1-LBNL1	B	0			0	0	No	No	Yes	0	76.56	5.27	4.58	5.70	Organic deposit over clay	9.47	0.65	0.22
SPI1-LBNL1	C	0			0	0	No	No	Yes	0	75.79	5.22	4.46	6.64	Organic deposit over clay	10.29	0.71	0.00
SPI1-ALTNF001	A	0			0	0	No	Yes	Yes	0	81.96	5.65	4.24	7.44	Organic deposit over clay	26.23	1.81	0.78
SPI1-ALTNF001	B	6	Both		0	0	No	Yes	Yes	0	90.74	6.25	5.36	6.86	Organic deposit over clay	15.62	1.08	0.46
SPI1-ALTNF001	C	1	Reduced		0	0	No	Yes	Yes	0	87.83	6.05	4.81	7.03	Organic deposit over clay	19.39	1.34	1.00
SPI1-CH_Well	A	15	Reduced		0	0	No	Yes	Yes	4	81.51	5.62	4.68	6.18	Organic deposit over clay	19.92	1.37	0.82
SPI1-CH_Well	B	0			0	0	No	Yes	Yes	13	63.77	4.39	3.73	5.24	Organic deposit over clay	17.70	1.22	0.51
SPI1-CH_Well	C	3	Both		0	0	No	Yes	Yes	5	76.12	5.24	4.58	6.18	Organic deposit over clay	13.62	0.94	0.31
SPI1-RIP_D040S	A	0			0	0	No	Yes	Yes	>20	85.80	5.91	5.19	7.37	Organic deposit over clay	16.30	1.12	0.48
SPI1-RIP_D040S	B	0			0	0	No	Yes	Yes	9	95.85	6.60	5.96	7.13	Organic deposit over clay	16.68	1.15	0.66
SPI1-RIP_D040S	C	0			0	0	No	Yes	Yes	>20	99.95	6.89	5.41	8.34	Organic deposit over clay	23.53	1.62	0.51
SPI1-D040S	A	0			0	0	No	Yes	Yes	16	76.39	5.26	4.60	6.86	Organic deposit over clay	17.24	1.19	0.53
SPI1-D040S	B	6	Reduced		0	0	No	Yes	Yes	2	102.66	7.07	6.54	8.19	Organic deposit over clay	34.51	2.38	0.70
SPI1-D040S	C	5	Reduced		0	0	No	Yes	Yes	4	80.29	5.53	4.60	5.94	Organic deposit over clay	24.40	1.68	0.97
SPI1-NF006-MOD	A	5	Oxidized		0	0	No	No	Yes	0	68.48	4.72	3.93	5.38	Organic deposit over clay	0.73	0.05	0.00
SPI1-NF006-MOD	B	0			0	0	No	No	Yes	0	74.97	5.17	4.17	6.47	Organic deposit over clay	Trace	Trace	0.00
SPI1-NF006-MOD	C	3	Oxidized		0	0	No	Yes	Yes	0	63.60	4.38	3.63	5.26	Organic deposit over clay	2.57	0.18	0.00
SPI1-NF012	A	2	Oxidized		0	0	No	No	No	0	61.50	4.24	3.49	4.94	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF012	B	0	-		0	0	No	No	No	0	78.30	5.39	3.83	6.96	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF012	C	0	-		0	0	No	No	No	0	64.51	4.44	3.10	5.60	Organic deposit over clay	0.00	0.00	0.00

STATION	REP	Mud Clast Number	Mud Clast State	-	METHANE	# of Methane Pockets	Low DO?	Beggiatoa / microbial mats	Organic Loading	Non Soluble Liquid Inclusions	Layer 1 Area	Layer 1 Mean Thickness (cm)	Layer 1 Min Thickness (cm)	Layer 1 Max Thickness (cm)	Layer 1 Type	Layer 2 Area	Layer 2 Mean Thickness (cm)	Layer 2 Min Thickness (cm)
SPI1-NF011	A	1	Reduced		0	0	No	No	No	0	60.48	4.17	2.81	5.84	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF011	B	1	Reduced		0	0	No	No	No	0	58.82	4.05	3.03	5.21	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF011	C	0	-		0	0	No	No	No	0	69.20	4.77	4.00	5.24	Organic deposit over clay	0.00	0.00	0.00
SPI1-D050S	A	0	-		0	0	No	No	No	0	56.72	3.91	1.62	5.62	Organic deposit over clay	0.00	0.00	0.00
SPI1-D050S	B	1	Oxidized		0	0	No	No	No	0	68.11	4.69	3.73	5.43	Organic deposit over clay	0.00	0.00	0.00
SPI1-D050S	C	1	Oxidized		0	0	No	No	No	0	48.99	3.38	2.25	5.43	Organic deposit over clay	0.00	0.00	0.00
SPI1-CH_GIP24	A	0	-		0	0	No	No	No	0	57.58	3.97	2.96	4.70	Organic deposit over clay	0.00	0.00	0.00
SPI1-CH_GIP24	B	0	-		0	0	No	No	No	0	45.28	3.12	2.01	4.26	Organic deposit over clay	0.00	0.00	0.00
SPI1-CH_GIP24	C	2	Reduced		0	0	No	No	No	0	52.81	3.64	2.52	4.56	Organic deposit over clay	0.00	0.00	0.00
SPI1-D031S	A	2	Both		0	0	No	No	Yes	0	99.26	6.84	6.03	7.80	Organic deposit over clay	6.85	0.47	0.24
SPI1-D031S	B	2	Reduced		0	0	No	Yes	Yes	0	78.97	5.44	3.80	6.59	Organic deposit over clay	5.54	0.38	0.00
SPI1-D031S	C	4	Reduced		0	0	No	Yes	Yes	0	76.05	5.24	4.19	6.52	Organic deposit over clay	19.42	1.34	0.94
SPI1-ALTNF015	A	0	-		0	0	No	No	No	0	65.65	4.52	3.61	5.60	Organic deposit over clay	0.00	0.00	0.00
SPI1-ALTNF015	B	1	Oxidized		0	0	No	No	No	0	61.01	4.20	3.25	5.35	Organic deposit over clay	0.00	0.00	0.00
SPI1-ALTNF015	C	3	Reduced		0	0	No	No	No	0	61.45	4.23	3.10	5.91	Organic deposit over clay	0.00	0.00	0.00
SPI1-JOYE026	A	0	-		0	0	No	No	No	0	84.10	5.79	3.61	6.37	Organic deposit over clay	0.00	0.00	0.00
SPI1-JOYE026	B	>10	Oxidized		0	0	No	No	No	0	84.39	5.81	4.22	7.75	Organic deposit over clay	0.00	0.00	0.00
SPI1-JOYE026	C	1	Oxidized		0	0	No	No	No	0	59.70	4.11	2.84	4.99	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF014	A	2	Oxidized		0	0	No	No	No	0	63.33	4.36	3.42	5.04	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF014	B	1	Oxidized		0	0	No	No	No	0	68.79	4.74	3.63	5.91	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF014	C	0	-		0	0	No	No	No	0	64.77	4.46	3.59	5.94	Organic deposit over clay	0.00	0.00	0.00
SPI1-CH_GIP18	A	1	Oxidized		0	0	No	No	No	0	68.67	4.73	3.37	5.50	Organic deposit over clay	0.00	0.00	0.00
SPI1-CH_GIP18	B	0	-		0	0	No	No	No	0	62.69	4.32	3.88	4.43	Organic deposit over clay	0.00	0.00	0.00
SPI1-CH_GIP18	C	0	-		0	0	No	No	No	0	66.75	4.60	3.68	6.28	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF013	A	0	-		0	0	No	No	No	0	51.61	3.56	2.57	3.93	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF013	B	5	Oxidized		0	0	No	No	No	0	66.93	4.61	3.93	5.21	Organic deposit over clay	0.00	0.00	0.00
SPI1-NF013	C	0	-		0	0	No	No	No	0	65.26	4.50	3.69	5.50	Organic deposit over clay	0.00	0.00	0.00
SPI1-VK916	A	0	-		0	0	No	No	No	0	41.11	2.83	2.23	4.29	Organic deposit over clay	79.00	5.44	3.47
SPI1-VK916	B	0	-		0	0	No	No	No	0	44.16	3.04	2.84	3.59	Organic deposit over clay	93.61	6.45	5.69
SPI1-VK916	C	1	Oxidized		0	0	No	No	No	0	52.90	3.64	2.40	5.02	Organic deposit over clay	6.47	0.45	0.00
SPI1-D043S	A	0	-		0	0	No	No	No	0	57.94	3.99	3.61	4.46	Organic deposit over clay	0.00	0.00	0.00
SPI1-D043S	B	2	Reduced		0	0	No	No	No	0	63.66	4.39	3.59	5.26	Organic deposit over clay	0.00	0.00	0.00
SPI1-D043S	C	>10	Oxidized		0	0	No	No	No	0	62.88	4.33	2.84	5.33	Organic deposit over clay	0.00	0.00	0.00

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-D062S	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macroflocculer layer	0.00	0.00	0.00	0.00	Gray Allochthonous Clay	6	1.65
SPI1-D062S	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macroflocculer layer	0.00	0.00	0.00	0.00	Gray Allochthonous Clay	7	1.26
SPI1-D062S	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macroflocculer layer	0.00	0.00	0.00	0.00	Gray Allochthonous Clay	2	1.77
SPI1-FF-MT4	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macroflocculer layer	0.00	0.00	0.00	0.00	Gray Allochthonous Clay	4	1.70
SPI1-FF-MT4	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macroflocculer layer	0.00	0.00	0.00	0.00	Gray Allochthonous Clay	1	10.40
SPI1-FF-MT4	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macroflocculer layer	0.00	0.00	0.00	0.00	Gray Allochthonous Clay	7	0.87
SPI1-HiPro	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macroflocculer layer	0.00	0.00	0.00	0.00	Gray Allochthonous Clay	7	1.09
SPI1-HiPro	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macroflocculer layer	0.00	0.00	0.00	0.00	Gray Allochthonous Clay	5	1.07
SPI1-HiPro	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macroflocculer layer	0.00	0.00	0.00	0.00	Gray Allochthonous Clay	4	0.87
SPI-LBNL9	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macroflocculer layer	0.00	0.00	0.00	0.00	Gray Allochthonous Clay	3	2.62
SPI-LBNL9	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macroflocculer layer	0.00	0.00	0.00	0.00	Gray Allochthonous Clay	5	1.02
SPI-LBNL9	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macroflocculer layer	0.00	0.00	0.00	0.00	Gray Allochthonous Clay	8	1.65
SPI-LBNL10	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macroflocculer layer	0.00	0.00	0.00	0.00	Gray Allochthonous Clay	8	0.70
SPI-LBNL10	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macroflocculer layer	0.00	0.00	0.00	0.00	Gray Allochthonous Clay	4	1.89
SPI-LBNL10	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macroflocculer layer	0.00	0.00	0.00	0.00	Gray Allochthonous Clay	3	1.16
SPI1-180-200	A	3.95	Dark gray depositional layer	34.73	2.39	0.80	4.00	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	2.64
SPI1-180-200	B	2.45	Dark gray depositional layer	7.88	0.54	0.34	0.75	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	7	4.82
SPI1-180-200	C	1.96	Dark gray depositional layer	7.37	0.51	0.27	0.95	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	3.71
SPI1-180-300	A	2.25	Dark gray depositional layer	11.43	0.79	0.46	1.14	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	5	2.47
SPI1-180-300	B	1.96	Dark gray depositional layer	10.51	0.72	0.37	0.99	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	3.95
SPI1-180-300	C	0.70	Dark gray depositional layer	16.24	1.12	0.29	1.72	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	2.54
SPI1-180-400	A	1.82	Dark gray depositional layer	7.60	0.52	0.27	0.95	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	10.61
SPI1-180-400	B	1.38	Dark gray depositional layer	7.95	0.55	0.39	1.41	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	3.22
SPI1-180-400	C	1.79	Dark gray depositional layer	5.99	0.41	0.29	0.56	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	4.82
SPI1-180-500	A	1.19	Dark gray depositional layer	7.96	0.55	0.36	0.97	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	4	4.19
SPI1-180-500	B	1.38	Dark gray depositional layer	Ind	Ind	Ind	Ind	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	1	13.38
SPI1-180-500	C	1.91	Dark gray depositional layer	9.13	0.63	0.35	1.16	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	4	5.96
SPI1-180-500	D	1.50	Dark gray depositional layer	10.49	0.72	0.41	0.90	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	6.81
SPI1-180-700	A	0.75	Dark gray depositional layer	10.75	0.74	0.24	0.99	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	5	6.52
SPI1-180-700	B	0.66	Dark gray depositional layer	11.02	0.76	0.44	1.09	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	3.63
SPI1-180-700	C	0.95	Dark gray depositional layer	10.14	0.70	0.39	0.99	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	3.78
SPI1-180-900	A	0.00	Dark gray depositional layer	7.47	0.51	0.20	0.95	Macroflocculer layer	0.00	0.00	0.00	0.00	Whitish Clay	2	3.51
SPI1-180-900	B	0.00	Dark gray depositional layer	3.24	0.22	0.12	0.44	Macroflocculer layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	4	7.10

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-180-900	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.34	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	7.05
SPI1-180-1100	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.22	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	3.95
SPI1-180-1100	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.19	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	5.16
SPI1-180-1100	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.31	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	1.62
SPI1-180-1300	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.17	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	4.29
SPI1-180-1300	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.20	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	1.55
SPI1-180-1300	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.15	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	2.42
SPI1-180-1500	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.12	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	1.33
SPI1-180-1500	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.17	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	1.53
SPI1-180-1500	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.20	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	2.45
SPI1-180-1700	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.05	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	1	4.92
SPI1-180-1700	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.15	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	10.15
SPI1-180-1700	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.24	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	0	-
SPI1-180-1900	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.12	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	8.09
SPI1-180-1900	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.22	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	6	2.06
SPI1-180-1900	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.05	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	4.12
SPI1-180-2100	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.10	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	1.14
SPI1-180-2100	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.07	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	6	0.87
SPI1-180-2100	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.10	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	7.39
SPI1-180-2300	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.15	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	1.31
SPI1-180-2300	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.15	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	2.56
SPI1-180-2300	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.07	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	4.19
SPI1-180-2500	A	0.00	Dark gray depositional layer	2.92	0.20	0.02	0.27	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	1.33
SPI1-180-2500	B	0.00	Dark gray depositional layer	6.35	0.44	0.15	0.85	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	5.79
SPI1-180-2500	C	0.00	Dark gray depositional layer	2.66	0.18	0.10	0.36	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	2.50
SPI1-180-2650	A	0.00	Dark gray depositional layer	Ind	Ind	0.12	0.07	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	1.84
SPI1-180-2650	B	0.00	Dark gray depositional layer	3.41	0.23	0.00	0.27	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	1	1.70
SPI1-180-2650	C	0.00	Dark gray depositional layer	4.66	0.32	0.12	0.48	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	7.05
SPI1-180-3100	A	0.00	Dark gray depositional layer	3.91	0.27	0.17	0.56	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	1.94
SPI1-180-3100	B	0.00	Dark gray depositional layer	Ind	Ind	0.24	0.07	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	1.78
SPI1-180-3100	C	0.00	Dark gray depositional layer	3.15	0.22	0.00	0.32	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	1.79
SPI1-180-3400	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.11	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	1	1.36
SPI1-180-3400	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.29	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	1	8.07
SPI1-180-3400	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.25	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	2.69
SPI1-180-3700	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.25	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	4.41
SPI1-180-3700	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.23	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	2.81
SPI1-180-3700	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.32	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	1	16.33
SPI1-180-4000	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.15	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	1.89
SPI1-180-4000	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	1.28
SPI1-180-4000	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	4.14
SPI1-180-4300	A	0.00	Dark gray depositional layer	4.42	0.30	0.10	0.45	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	2.16
SPI1-180-4300	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.07	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	1.53
SPI1-180-4300	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	3.10
SPI1-180-4600	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.10	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	2.01
SPI1-180-4600	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	5.06
SPI1-180-4600	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	8	6.18
SPI1-180-4900	A	0.00	Dark gray depositional layer	3.82	0.26	0.12	0.44	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	0	-

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-180-4900	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	2.98
SPI1-180-4900	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	2.23
SPI1-180-5200	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.22	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	2.64
SPI1-180-5200	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.34	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	2.25
SPI1-180-5200	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.07	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	1.55
SPI1-180-5500	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	1.07
SPI1-180-5500	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	2.84
SPI1-180-5500	C	0.00	Dark gray depositional layer	2.72	0.19	0.00	0.44	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	2.50
SPI1-090-200	A	4.29	Dark gray depositional layer	Ind	Ind	0.00	0.90	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	6.13
SPI1-090-200	B	3.49	Dark gray depositional layer	5.63	0.39	0.09	0.73	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	0	-
SPI1-090-200	C	2.86	Dark gray depositional layer	7.08	0.49	0.17	0.92	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	1	3.47
SPI1-090-300	A	2.86	Dark gray depositional layer	6.38	0.44	0.22	0.68	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	4.51
SPI1-090-300	B	2.79	Dark gray depositional layer	7.67	0.53	0.11	0.69	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	11.53
SPI1-090-300	C	2.38	Dark gray depositional layer	11.78	0.81	0.35	1.02	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	9.38
SPI1-090-400	A	2.28	Dark gray depositional layer	6.63	0.46	0.15	0.61	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	6	2.64
SPI1-090-400	B	4.95	Dark gray depositional layer	4.28	0.29	0.17	0.46	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	0	-
SPI1-090-400	C	2.88	Dark gray depositional layer	5.05	0.35	0.22	0.63	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	3.59
SPI1-090-500	A	2.76	Dark gray depositional layer	7.51	0.52	0.18	0.63	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	4	4.60
SPI1-090-500	B	2.13	Dark gray depositional layer	Ind	Ind	0.07	0.61	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	4.27
SPI1-090-500	C	2.21	Dark gray depositional layer	5.42	0.37	0.10	0.61	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	3.83
SPI1-090-700	A	1.02	Dark gray depositional layer	7.78	0.54	0.18	0.75	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	2.54
SPI1-090-700	B	1.24	Dark gray depositional layer	4.59	0.32	0.00	1.02	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	3.37
SPI1-090-700	C	1.24	Dark gray depositional layer	6.28	0.43	0.00	0.65	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	1	9.06
SPI1-090-900	A	0.44	Dark gray depositional layer	6.02	0.41	0.17	0.99	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	3.34
SPI1-090-900	B	0.36	Dark gray depositional layer	5.37	0.37	0.17	0.61	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	1	7.08
SPI1-090-900	C	0.85	Dark gray depositional layer	4.33	0.30	0.18	0.56	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	7	5.33
SPI1-090-1100	A	0.00	Dark gray depositional layer	4.59	0.32	0.10	0.73	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	6	3.05
SPI1-090-1100	B	0.00	Dark gray depositional layer	3.60	0.25	0.00	0.53	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	2.42
SPI1-090-1100	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.12	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	1.24
SPI1-090-1300	A	0.00	Dark gray depositional layer	1.73	0.12	0.00	0.32	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	1.77
SPI1-090-1300	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.17	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	2.37
SPI1-090-1300	C	0.00	Dark gray depositional layer	3.16	0.22	0.12	0.49	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	1.21
SPI1-090-1500	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.22	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	1.38

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-090-1500	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.10	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	0.85
SPI1-090-1500	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.22	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	4.49
SPI1-090-1700	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.39	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	0	-
SPI1-090-1700	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.20	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	1.94
SPI1-090-1700	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.17	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	6	2.81
SPI1-090-1900	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.10	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	1.45
SPI1-090-1900	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.20	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	1	6.18
SPI1-090-1900	C	0.00	Dark gray depositional layer	3.09	0.21	0.16	0.36	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	5.02
SPI1-090-2100	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.22	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	2.74
SPI1-090-2100	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.21	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	2.52
SPI1-090-2100	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	5.96
SPI1-090-2300	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	7	0.68
SPI1-090-2300	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	1.41
SPI1-090-2300	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	0.63
SPI1-090-2500	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	1.79
SPI1-090-2500	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.15	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	1.87
SPI1-090-2500	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.13	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	0.36
SPI1-090-2800	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.12	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	7	0.59
SPI1-090-2800	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.24	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	2.54
SPI1-090-2800	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.15	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	2.35
SPI1-090-3100	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.10	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	2.16
SPI1-090-3100	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.10	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	1.94
SPI1-090-3100	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.34	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	6.13
SPI1-090-3400	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.10	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	2.35
SPI1-090-3400	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.12	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	1.36
SPI1-090-3400	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.10	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	1.74
SPI1-090-3700	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	1.77
SPI1-090-3700	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	3.30
SPI1-090-3700	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	1.70
SPI1-090-4000	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	2.74
SPI1-090-4000	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	6	2.47
SPI1-090-4000	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	2.28
SPI1-090-4300	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	1.87
SPI1-090-4300	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.12	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	1.79
SPI1-090-4300	C	0.00	Dark gray depositional layer	Ind	Ind	Ind	Ind	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	7	3.15
SPI1-090-4600	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.12	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	2.45
SPI1-090-4600	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.15	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	1.04
SPI1-090-4600	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.08	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	2.23
SPI1-090-4900	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	1	5.06
SPI1-090-4900	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	1.15
SPI1-090-4900	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	7	2.40
SPI1-090-5200	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	2.52
SPI1-090-5200	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	2.18
SPI1-090-5200	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	1	5.04
SPI1-090-5500	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	1	2.69
SPI1-090-5500	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	1.12
SPI1-090-5500	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	1.28

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-135-200	A	1.36	Dark gray depositional layer	6.50	0.45	0.27	0.56	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	4	1.07
SPI1-135-200	B	1.77	Dark gray depositional layer	5.44	0.37	0.20	0.58	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	3.47
SPI1-135-200	C	2.16	Dark gray depositional layer	7.50	0.52	0.34	0.90	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	1.79
SPI1-135-300	A	2.21	Dark gray depositional layer	7.03	0.48	0.24	0.85	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	1	7.63
SPI1-135-300	B	1.38	Dark gray depositional layer	5.81	0.40	0.15	0.95	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	2.67
SPI1-135-300	C	1.28	Dark gray depositional layer	7.66	0.53	0.22	1.09	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	7	2.64
SPI1-135-400	A	1.79	Dark gray depositional layer	6.25	0.43	0.22	0.70	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	4.10
SPI1-135-400	B	1.50	Dark gray depositional layer	6.87	0.47	0.25	0.78	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	4	2.40
SPI1-135-400	C	1.67	Dark gray depositional layer	6.12	0.42	0.00	0.56	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	5	2.06
SPI1-135-500	A	1.55	Dark gray depositional layer	6.63	0.46	0.28	0.97	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	2.71
SPI1-135-500	B	2.84	Dark gray depositional layer	7.83	0.54	0.22	1.14	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	5	3.13
SPI1-135-500	C	2.59	Dark gray depositional layer	10.03	0.69	0.39	1.14	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	6.76
SPI1-135-700	A	1.38	Dark gray depositional layer	5.33	0.37	0.22	0.97	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	0.82
SPI1-135-700	B	1.45	Dark gray depositional layer	5.76	0.40	0.29	0.85	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	6	6.81
SPI1-135-700	C	1.38	Dark gray depositional layer	5.23	0.36	0.09	0.68	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	4	2.88
SPI1-135-900	A	1.33	Dark gray depositional layer	9.24	0.64	0.29	0.87	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	2.93
SPI1-135-900	B	0.87	Dark gray depositional layer	6.55	0.45	0.17	0.88	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	0	-
SPI1-135-900	C	1.38	Dark gray depositional layer	5.36	0.37	0.20	0.90	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	4.05
SPI1-135-1100	A	0.70	Dark gray depositional layer	Ind	Ind	0.10	0.78	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	2.79
SPI1-135-1100	B	1.28	Dark gray depositional layer	6.14	0.42	0.20	0.78	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	2	9.16
SPI1-135-1100	C	0.99	Dark gray depositional layer	6.05	0.42	0.33	0.65	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	5	2.47
SPI1-135-1300	A	0.99	Dark gray depositional layer	5.59	0.39	0.12	0.68	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	5	3.10
SPI1-135-1300	B	1.09	Dark gray depositional layer	4.87	0.34	0.07	0.78	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	2.67
SPI1-135-1300	C	0.73	Dark gray depositional layer	3.89	0.27	0.07	0.75	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	1	6.20
SPI1-135-1500	A	0.90	Dark gray depositional layer	3.61	0.25	0.10	0.53	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	5.60
SPI1-135-1500	B	0.37	Dark gray depositional layer	Ind	Ind	0.00	0.27	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	5	3.32
SPI1-135-1500	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.20	Macrofloccular layer	Trace	Trace	0.00	Trace	Flattened White Clay clasts at SWI	3	1.79
SPI1-135-1700	A	0.51	Dark gray depositional layer	Ind	Ind	0.00	0.07	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	9.35
SPI1-135-1700	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	0.92

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-135-1700	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	10	2.67
SPI1-135-1900	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.05	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	3.68
SPI1-135-1900	B	0.00	Dark gray depositional layer	0.62	0.04	0.00	0.19	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	6	2.33
SPI1-135-1900	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.15	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	2.52
SPI1-135-2100	A	0.00	Dark gray depositional layer	0.19	0.01	0.00	0.15	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	1.91
SPI1-135-2100	B	0.00	Dark gray depositional layer	0.37	0.03	0.00	0.19	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	1.77
SPI1-135-2100	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	1.57
SPI1-135-2300	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	0.85
SPI1-135-2300	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	0.58
SPI1-135-2300	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.21	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	5.94
SPI1-135-2500	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	1.67
SPI1-135-2500	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.10	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	7	2.11
SPI1-135-2500	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.10	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	1.28
SPI1-135-2800	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	1.53
SPI1-135-2800	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	1.02
SPI1-135-2800	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	2.50
SPI1-135-3100	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	1.50
SPI1-135-3100	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	2.28
SPI1-135-3100	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	1.09
SPI1-135-3400	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	1.45
SPI1-135-3400	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	6	0.85
SPI1-135-3400	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	3.20
SPI1-135-3700	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	9.28
SPI1-135-3700	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	1.09
SPI1-135-3700	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	2.13
SPI1-135-4000	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	1.96
SPI1-135-4000	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	2.69
SPI1-135-4000	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	6	0.80
SPI1-135-4300	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	3.56
SPI1-135-4300	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	1.53
SPI1-135-4300	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	0.83
SPI1-135-4600	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	5	3.08
SPI1-135-4600	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	3.13
SPI1-135-4600	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	0.75
SPI1-135-4900	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	0	-
SPI1-135-4900	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	1.07
SPI1-135-4900	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	3	2.96
SPI1-135-5200	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	1.74
SPI1-135-5200	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	3.66
SPI1-135-5200	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	2	1.46
SPI1-135-5500	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	6	1.99
SPI1-135-5500	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	6	1.58
SPI1-135-5500	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	Whitish Clay	4	0.87
SPI1-000-200	C	Ind	Dark gray depositional layer	9.70	0.67	0.27	0.87	Macrofloccular layer	63.14	4.35	2.59	5.26	Mixed gray and white clay layer	7	1.96
SPI1-000-200	B	1.84	Dark gray depositional layer	7.46	0.51	0.24	1.60	Macrofloccular layer	24.71	1.70	1.21	2.59	Mixed gray and white clay layer	4	2.84

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-000-200	A	3.66	Dark gray depositional layer	Ind	Ind	Ind	0.41	Macrofloccular layer	22.64	1.56	0.24	2.86	Mixed gray and white clay layer	2	4.97
SPI1-000-700	A	1.87	Dark gray depositional layer	8.22	0.57	0.32	1.02	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light gray clay	0	-
SPI1-000-700	B	1.84	Dark gray depositional layer	9.25	0.64	0.29	1.07	Macrofloccular layer	6.29	0.43	0.00	1.46	Mixed gray and white clay layer and clasts at SWI	2	1.21
SPI1-000-700	C	1.49	Dark gray depositional layer	9.15	0.63	0.22	0.87	Macrofloccular layer	30.68	2.11	1.19	2.50	Mixed gray and white clay layer and clasts at SWI	4	0.68
SPI1-000-900	A	2.42	Dark gray depositional layer	9.30	0.64	0.29	1.04	Macrofloccular layer	1.20	0.08	0.00	0.85	Mixed gray and white clay and clasts at SWI	3	1.91
SPI1-000-900	B	2.11	Dark gray depositional layer	7.87	0.54	0.29	1.02	Macrofloccular layer	2.67	0.18	0.00	0.92	Mixed gray and white clay and clasts at SWI	3	6.64
SPI1-000-900	C	1.48	Dark gray depositional layer	8.18	0.56	0.32	0.75	Macrofloccular layer	Ind	Ind	0.00	0.17	White/light clay clasts at SWI	2	3.76
SPI1-000-1100	A	1.87	Dark gray depositional layer	6.57	0.45	0.24	0.63	Macrofloccular layer	Ind	Ind	0.00	0.20	White/light clay clasts at SWI	3	8.02
SPI1-000-1100	B	0.94	Dark gray depositional layer	6.67	0.46	0.15	0.80	Macrofloccular layer	Ind	Ind	0.00	0.20	White/light clay clasts at SWI	3	5.02
SPI1-000-1100	C	1.31	Dark gray depositional layer	3.80	0.26	0.12	0.82	Macrofloccular layer	Ind	Ind	0.00	0.12	White/light clay clasts at SWI	1	9.81
SPI1-000-1300	A	0.29	Dark gray depositional layer	0.81	0.06	0.00	0.24	Macrofloccular layer	Ind	Ind	0.00	0.09	White/light clay clasts at SWI	2	1.24
SPI1-000-1300	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	9	3.14
SPI1-000-1300	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.17	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.07
SPI1-000-1500	A	0.53	Dark gray depositional layer	2.47	0.17	0.00	0.51	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	1	1.84
SPI1-000-1500	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.07	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	3.22
SPI1-000-1500	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.17	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	1.36
SPI1-000-1700	A	1.09	Dark gray depositional layer	Ind	Ind	0.00	0.12	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	0.90
SPI1-000-1700	B	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.29	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	1.21
SPI1-000-1700	C	0.00	Dark gray depositional layer	1.24	0.09	0.00	0.44	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	2.08
SPI1-000-1900	A	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.27	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	2.96
SPI1-000-1900	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	2.54
SPI1-000-1900	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	1.45
SPI1-000-2100	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	0.70
SPI1-000-2100	B	0.00	Dark gray depositional layer	1.02	0.07	0.00	0.19	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	3.47
SPI1-000-2100	C	0.00	Dark gray depositional layer	Ind	Ind	0.00	0.12	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	1.50
SPI1-000-2300	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	1	3.37
SPI1-000-2300	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.63

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-000-2300	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	1	1.42
SPI1-000-2500	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	0.56
SPI1-000-2500	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	2.33
SPI1-000-2500	C	0.00	Dark gray depositional layer	0.43	0.03	0.00	0.29	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	1	2.06
SPI1-000-2800	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.82
SPI1-000-2800	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	3.56
SPI1-000-2800	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	1.72
SPI1-000-3100	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.31
SPI1-000-3100	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	2.35
SPI1-000-3100	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	2.21
SPI1-000-3400	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	6	1.21
SPI1-000-3400	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.09
SPI1-000-3400	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	3.17
SPI1-000-3700	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	0	-
SPI1-000-3700	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	2.45
SPI1-000-3700	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.79
SPI1-000-4000	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	2.06
SPI1-000-4000	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.87
SPI1-000-4000	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	2.79
SPI1-000-4300	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	1.87
SPI1-000-4300	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.18
SPI1-000-4300	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	4.87
SPI1-000-4600	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	2.20
SPI1-000-4600	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	0.78
SPI1-000-4600	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.81
SPI1-000-4900	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	2.79
SPI1-000-4900	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.01
SPI1-000-4900	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	1.67

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-000-5200	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.94
SPI1-000-5200	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	6.33
SPI1-000-5200	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	6	0.99
SPI1-000-5500	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	6	2.08
SPI1-000-5500	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	3.08
SPI1-000-5500	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	5.99
SPI1-045-200	B	Ind	Dark gray depositional layer	Present	Present	Ind	Ind	Macrofloccular layer	Present	Present	Ind	Ind	White/light clay clasts at SWI	Ind	-
SPI1-045-200	C	1.21	Dark gray depositional layer	11.71	0.81	0.23	1.58	Macrofloccular layer	6.58	0.45	0.10	1.12	Mixed gray and white clay layer and clasts at SWI	1	7.80
SPI1-045-300	A	2.45	Dark gray depositional layer	9.77	0.67	0.31	1.02	Macrofloccular layer	1.77	0.12	0.00	0.51	Mixed gray and white clay layer and clasts at SWI	2	8.29
SPI1-045-300	B	2.01	Dark gray depositional layer	6.66	0.46	0.15	0.73	Macrofloccular layer	11.83	0.82	0.34	1.80	Mixed gray and white clay layer and clasts at SWI	2	2.35
SPI1-045-300	C	1.84	Dark gray depositional layer	4.35	0.30	0.17	0.66	Macrofloccular layer	54.55	3.76	2.59	5.94	Mixed gray and white clay layer and clasts at SWI	3	1.79
SPI1-045-400	A	1.65	Dark gray depositional layer	5.06	0.35	0.10	0.70	Macrofloccular layer	4.91	0.34	0.00	0.56	Mixed gray and white clay layer and clasts at SWI	4	2.67
SPI1-045-400	B	1.82	Dark gray depositional layer	4.48	0.31	0.15	0.58	Macrofloccular layer	7.11	0.49	0.17	1.11	Mixed gray and white clay layer and clasts at SWI	3	4.17
SPI1-045-400	C	1.58	Dark gray depositional layer	8.20	0.57	0.46	0.88	Macrofloccular layer	17.68	1.22	0.12	1.58	Mixed gray and white clay layer and clasts at SWI	1	5.07
SPI1-045-500	A	1.92	Dark gray depositional layer	6.69	0.46	0.17	1.00	Macrofloccular layer	9.64	0.66	0.19	1.28	Mixed gray and white clay layer and clasts at SWI	4	3.25
SPI1-045-500	B	1.36	Dark gray depositional layer	8.30	0.57	0.20	0.83	Macrofloccular layer	19.82	1.37	0.92	2.25	Mixed gray and white clay layer and clasts at SWI	1	7.03
SPI1-045-500	C	3.20	Dark gray depositional layer	8.96	0.62	0.19	1.31	Macrofloccular layer	26.28	1.81	1.02	2.45	Mixed gray and white clay layer and clasts at SWI	3	1.09
SPI1-045-700	A	0.73	Dark gray depositional layer	7.21	0.50	0.10	1.28	Macrofloccular layer	12.55	0.86	0.27	1.53	Mixed gray and white clay layer and clasts at SWI	3	1.41
SPI1-045-700	B	1.26	Dark gray depositional layer	7.43	0.51	0.15	0.95	Macrofloccular layer	4.70	0.32	0.00	0.92	Mixed gray and white clay layer and clasts at SWI	5	2.86
SPI1-045-700	C	2.91	Dark gray depositional layer	6.97	0.48	0.20	1.12	Macrofloccular layer	1.49	0.10	0.00	1.04	Mixed gray and white clay layer and clasts at SWI	5	1.70
SPI1-045-900	A	1.60	Dark gray depositional layer	6.21	0.43	0.25	1.14	Macrofloccular layer	10.29	0.71	0.00	1.89	Mixed gray and white clay layer and clasts at SWI	2	5.72
SPI1-045-900	B	0.32	Dark gray depositional layer	2.57	0.18	0.00	0.44	Macrofloccular layer	1.90	0.13	0.00	0.63	Mixed gray and white clay layer and clasts at SWI	5	2.54
SPI1-045-900	C	0.00	Dark gray depositional layer	2.59	0.18	0.00	0.27	Macrofloccular layer	0.82	0.06	0.00	0.46	Mixed gray and white clay layer and clasts at SWI	4	2.62
SPI1-045-1100	A	1.28	Dark gray depositional layer	0.76	0.05	0.00	0.29	Macrofloccular layer	0.35	0.02	0.00	0.07	White/light clay clasts at SWI	3	2.38
SPI1-045-1100	B	0.00	Dark gray depositional layer	1.44	0.10	0.00	0.56	Macrofloccular layer	Trace	Trace	0.00	Trace	White/light clay clasts at SWI	2	2.30
SPI1-045-1100	C	0.00	Dark gray depositional layer	0.16	0.01	0.00	0.17	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	5.02
SPI1-045-1300	A	0.00	Dark gray depositional layer	1.36	0.09	0.00	0.19	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	1.53

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-045-1300	B	0.00	Dark gray depositional layer	1.36	0.09	0.00	0.29	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.93
SPI1-045-1300	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.52
SPI1-045-1500	A	0.12	Dark gray depositional layer	0.32	0.02	0.00	0.15	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	1.53
SPI1-045-1500	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	2.04
SPI1-045-1500	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	1.33
SPI1-045-1700	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.86
SPI1-045-1700	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	3.40
SPI1-045-1700	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	9.77
SPI1-045-1900	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	1.99
SPI1-045-1900	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	6	2.52
SPI1-045-1900	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	1.70
SPI1-045-2100	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.41
SPI1-045-2100	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	1	8.99
SPI1-045-2100	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	1.84
SPI1-045-2300	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	1	1.11
SPI1-045-2300	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	1.91
SPI1-045-2300	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	3.20
SPI1-045-2500	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	2.23
SPI1-045-2500	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	1	8.92
SPI1-045-2500	C	0.00	Dark gray depositional layer	0.49	0.03	0.00	0.17	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	1.63
SPI1-045-2800	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	3.05
SPI1-045-2800	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.04
SPI1-045-2800	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	6	2.21
SPI1-045-3100	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.33
SPI1-045-3100	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	2.50
SPI1-045-3100	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	1	3.05
SPI1-045-3400	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.91
SPI1-045-3400	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	0	-

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-045-3400	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	1	1.31
SPI1-045-3700	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	2.98
SPI1-045-3700	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	7.44
SPI1-045-3700	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	1.91
SPI1-045-4000	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	1.60
SPI1-045-4000	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	1	3.03
SPI1-045-4000	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	3.22
SPI1-045-4300	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.28
SPI1-045-4300	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	1.58
SPI1-045-4300	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.70
SPI1-045-4600	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	8	2.04
SPI1-045-4600	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	9	1.02
SPI1-045-4600	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	10	1.16
SPI1-045-4900	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	10	1.07
SPI1-045-4900	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.87
SPI1-045-4900	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	6	1.70
SPI1-045-5200	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	2.01
SPI1-045-5200	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	1.55
SPI1-045-5200	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	6	1.60
SPI1-045-5500	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	6	2.21
SPI1-045-5500	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	2.35
SPI1-045-5500	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.21
SPI1-225-200	A	3.39	Dark gray depositional layer	7.73	0.53	0.22	1.04	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.47
SPI1-225-200	B	2.93	Dark gray depositional layer	Ind	Ind	Ind	0.66	Macrofloccular layer	Ind	Ind	Ind	Ind	White/light clay clasts at SWI	2	3.66
SPI1-225-200	C	2.69	Dark gray depositional layer	7.10	0.49	0.15	0.80	Macrofloccular layer	0.15	0.00	0.00	0.05	White/light clay clasts at SWI	3	1.16
SPI1-225-300	A	3.00	Dark gray depositional layer	7.89	0.54	0.27	0.85	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	1	11.68
SPI1-225-300	B	1.21	Dark gray depositional layer	5.64	0.39	0.17	0.63	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	2.09
SPI1-225-300	C	2.91	Dark gray depositional layer	6.08	0.42	0.10	0.78	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	3.68

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SPI1-225-400	A	1.74	Dark gray depositional layer	4.59	0.32	0.05	0.82	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	2.71
SPI1-225-400	B	2.11	Dark gray depositional layer	5.94	0.41	0.27	0.85	Macroflocculer layer	0.31	0.02	0.00	0.35	Clast of white clay at SWI	3	1.91
SPI1-225-400	C	3.85	Dark gray depositional layer	6.23	0.43	0.09	0.80	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	3.93
SPI1-225-500	A	1.72	Dark gray depositional layer	6.71	0.46	0.10	0.95	Macroflocculer layer	0.53	0.04	0.00	0.58	Clasts of white clay at SWI	2	10.20
SPI1-225-500	B	1.43	Dark gray depositional layer	8.73	0.60	0.12	1.11	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.59
SPI1-225-500	C	2.69	Dark gray depositional layer	8.41	0.58	0.32	1.04	Macroflocculer layer	0.09	0.01	0.00	0.24	Clasts of white clay at SWI and one smeared downward	0	-
SPI1-225-700	A	1.67	Dark gray depositional layer	2.36	0.16	0.00	0.46	Macroflocculer layer	0.55	0.04	0.00	0.36	White/light clay clasts at SWI	2	3.34
SPI1-225-700	B	2.37	Dark gray depositional layer	5.91	0.41	0.00	0.61	Macroflocculer layer	0.32	0.02	0.00	0.18	Clasts of white clay at SWI and one smeared downward	0	-
SPI1-225-700	C	1.91	Dark gray depositional layer	7.61	0.52	0.21	0.99	Macroflocculer layer	2.62	0.18	0.00	0.99	White clay clasts at SWI and partially smeared	2	3.20
SPI1-225-900	A	0.36	Dark gray depositional layer	1.47	0.10	0.00	0.34	Macroflocculer layer	0.02	0.00	0.00	0.05	White/light clay clasts at SWI	2	1.07
SPI1-225-900	B	0.20	Dark gray depositional layer	0.33	0.02	0.00	0.15	Macroflocculer layer	Trace	Trace	0.00	Trace	White/light clay clasts at SWI	1	7.46
SPI1-225-900	C	0.29	Dark gray depositional layer	0.24	0.02	0.00	0.17	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	2.93
SPI1-225-1100	A	1.79	Dark gray depositional layer	6.19	0.43	0.12	0.61	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	8.38
SPI1-225-1100	B	2.04	Dark gray depositional layer	6.06	0.42	0.17	0.70	Macroflocculer layer	0.48	0.03	0.00	0.31	White/light clay clasts at SWI	2	3.61
SPI1-225-1100	C	1.87	Dark gray depositional layer	4.62	0.32	0.17	0.99	Macroflocculer layer	Trace	Trace	0.00	Trace	White/light clay clasts at SWI	2	8.87
SPI1-225-1300	A	0.00	Dark gray depositional layer	0.28	0.02	0.00	0.15	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	2.13
SPI1-225-1300	B	0.00	Dark gray depositional layer	0.43	0.03	0.00	0.10	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	1.21
SPI1-225-1300	C	0.00	Dark gray depositional layer	0.53	0.04	0.00	0.31	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	1.79
SPI1-225-1500	A	0.00	Dark gray depositional layer	0.16	0.01	0.00	0.10	Macroflocculer layer	0.05	0.00	0.00	0.07	White clay clast at SWI	3	4.41
SPI1-225-1500	B	0.00	Dark gray depositional layer	0.13	0.01	0.00	0.12	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	1.24
SPI1-225-1500	C	0.00	Dark gray depositional layer	0.14	0.01	0.00	0.12	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	4.32
SPI1-225-1700	A	0.00	Dark gray depositional layer	0.75	0.05	0.00	0.22	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	3.13
SPI1-225-1700	B	0.00	Dark gray depositional layer	1.07	0.07	0.00	0.15	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	6	1.58
SPI1-225-1700	C	0.00	Dark gray depositional layer	0.20	0.01	0.00	0.07	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	2.33
SPI1-225-1900	A	0.00	Dark gray depositional layer	0.09	0.01	0.00	0.15	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	4.58
SPI1-225-1900	B	0.00	Dark gray depositional layer	0.32	0.02	0.00	0.20	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	1.94
SPI1-225-1900	C	0.00	Dark gray depositional layer	0.05	0.00	0.00	0.07	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.71
SPI1-225-2100	A	0.00	Dark gray depositional layer	0.67	0.05	0.00	0.15	Macroflocculer layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.91
SPI1-225-2100	B	0.00	Dark gray depositional layer	Trace	Trace	0.00	Trace	Macroflocculer layer	0.09	0.01	0.00	0.19	White clay clast at SWI	7	4.07

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-225-2100	C	6.56	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.13	0.01	0.00	0.17	White clay clast at SWI	4	0.94
SPI1-225-2300	A	0.00	Dark gray depositional layer	0.05	0.00	0.00	0.10	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	1.48
SPI1-225-2300	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	1.36
SPI1-225-2300	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	1.04
SPI1-225-2500	A	0.00	Dark gray depositional layer	0.25	0.02	0.00	0.10	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	3.10
SPI1-225-2500	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.41
SPI1-225-2500	C	0.00	Dark gray depositional layer	1.24	0.09	0.00	0.15	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	1.87
SPI1-225-2800	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	2.23
SPI1-225-2800	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	6.66
SPI1-225-2800	C	0.00	Dark gray depositional layer	Trace	Trace	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	2.42
SPI1-225-3100	A	0.00	Dark gray depositional layer	Trace	Trace	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	3.22
SPI1-225-3100	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	6	1.36
SPI1-225-3100	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	1	1.79
SPI1-225-3400	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.04
SPI1-225-3400	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	0.90
SPI1-225-3400	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	2.21
SPI1-225-3700	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	2.42
SPI1-225-3700	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.54
SPI1-225-3700	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	1.11
SPI1-225-4000	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.50
SPI1-225-4000	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	0.94
SPI1-225-4000	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	1	10.33
SPI1-225-4300	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.07
SPI1-225-4300	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.19
SPI1-225-4300	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	3.25
SPI1-225-4600	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	1.09
SPI1-225-4600	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	2.69
SPI1-225-4600	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	2.11
SPI1-225-4900	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	2.16

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-225-4900	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	2.91
SPI1-225-4900	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	1	1.45
SPI1-225-5200	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	1	2.79
SPI1-225-5200	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	6	1.70
SPI1-225-5200	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	5	3.49
SPI1-225-5500	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	2.50
SPI1-225-5500	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	2.93
SPI1-225-5500	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	2.52
SPI1-270-200	A	1.99	Dark gray depositional layer	5.56	0.38	0.24	0.56	Macrofloccular layer	3.76	0.26	0.00	0.78	White clay layer at SWI, additional white clay admixed with gray sediment below the SWI	0	-
SPI1-270-200	B	2.08	Dark gray depositional layer	8.34	0.57	0.22	0.99	Macrofloccular layer	1.25	0.09	0.00	0.31	White clay layer at SWI, additional white clay admixed with gray sediment below the SWI	1	5.87
SPI1-270-200	C	4.41	Dark gray depositional layer	6.76	0.47	0.29	0.78	Macrofloccular layer	2.07	0.14	0.00	0.34	White clay layer at SWI, additional white clay admixed with gray sediment below the SWI	1	4.97
SPI1-270-300	A	2.52	Dark gray depositional layer	5.58	0.38	0.22	1.02	Macrofloccular layer	0.06	0.00	0.00	0.16	White/light clay clasts at SWI	4	5.31
SPI1-270-300	B	3.25	Dark gray depositional layer	8.04	0.55	0.25	1.02	Macrofloccular layer	0.04	0.00	0.00	0.17	White clay clast at SWI, additional trace white clay admixed with gray sediment below the SWI	3	2.04
SPI1-270-300	C	0.00	Dark gray depositional layer	1.57	0.11	0.00	0.19	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	3	3.39
SPI1-270-400	A	1.82	Dark gray depositional layer	8.13	0.56	0.10	1.09	Macrofloccular layer	2.65	0.18	0.00	0.39	White clay layer at SWI, additional white clay admixed with gray sediment below the SWI	1	12.58
SPI1-270-400	B	1.65	Dark gray depositional layer	6.14	0.42	0.00	0.68	Macrofloccular layer	0.47	0.03	0.00	0.29	White clay clasts at SWI, additional white clay admixed with gray sediment below the SWI	2	8.39
SPI1-270-400	C	2.25	Dark gray depositional layer	6.22	0.43	0.20	1.11	Macrofloccular layer	2.87	0.20	0.00	0.57	White clay layer at SWI, additional white clay admixed with gray sediment below the SWI	4	3.32
SPI1-270-500	A	0.00	Dark gray depositional layer	0.32	0.02	0.00	0.20	Macrofloccular layer	0.17	0.01	0.00	0.27	White clay at or near SWI	4	1.38
SPI1-270-500	B	1.29	Dark gray depositional layer	5.93	0.41	0.00	0.56	Macrofloccular layer	1.50	0.10	0.00	0.39	White clay at or near SWI	5	1.91
SPI1-270-500	C	1.92	Dark gray depositional layer	8.42	0.58	0.27	1.02	Macrofloccular layer	2.11	0.15	0.00	0.83	White clay at or near SWI	0	-
SPI1-270-700	A	1.26	Dark gray depositional layer	5.05	0.35	0.12	0.85	Macrofloccular layer	0.13	0.01	0.00	0.12	White clay at or near SWI	3	2.04
SPI1-270-700	B	0.00	Dark gray depositional layer	0.84	0.06	0.00	0.17	Macrofloccular layer	Trace	Trace	0.00	Trace	White clay at or near SWI	2	4.48
SPI1-270-700	C	0.99	Dark gray depositional layer	3.60	0.25	0.00	0.34	Macrofloccular layer	0.02	0.00	0.00	0.07	White/light clay clasts at SWI	4	0.97

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-270-900	A	0.00	Dark gray depositional layer	1.31	0.09	0.00	0.27	Macrofloccular layer	Trace	Trace	0.00	Trace	White clay at or near SWI	2	1.16
SPI1-270-900	B	0.00	Dark gray depositional layer	0.39	0.03	0.00	0.12	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	4	1.41
SPI1-270-900	C	0.00	Dark gray depositional layer	3.81	0.26	0.00	0.39	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	2	1.53
SPI1-270-1100	A	0.54	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.28	0.02	0.00	0.34	White/light clay clasts at SWI	5	1.19
SPI1-270-1100	B	2.21	Dark gray depositional layer	0.79	0.05	0.00	0.56	Macrofloccular layer	0.03	0.00	0.00	0.07	White clay at or near SWI	1	3.73
SPI1-270-1100	C	1.53	Dark gray depositional layer	0.15	0.01	0.00	0.18	Macrofloccular layer	0.10	0.01	0.00	0.10	White clay at or near SWI	2	3.08
SPI1-270-1300	A	0.00	Dark gray depositional layer	0.57	0.04	0.00	0.24	Macrofloccular layer	1.03	0.07	0.00	0.41	White clay at or near SWI	3	1.77
SPI1-270-1300	B	0.53	Dark gray depositional layer	0.36	0.02	0.00	0.24	Macrofloccular layer	0.05	0.00	0.00	0.22	White clay at or near SWI	3	8.07
SPI1-270-1300	C	0.00	Dark gray depositional layer	0.34	0.02	0.00	0.07	Macrofloccular layer	0.05	0.00	0.00	0.12	White clay at or near SWI	4	2.01
SPI1-270-1500	A	0.00	Dark gray depositional layer	2.04	0.14	0.29	0.38	Macrofloccular layer	0.00	0.00	0.00	0.00	White/light clay clasts at SWI	1	3.37
SPI1-270-1500	B	0.00	Dark gray depositional layer	0.11	0.01	0.00	0.08	Macrofloccular layer	0.08	0.01	0.00	0.44	White clay clast in sediment column	3	0.71
SPI1-270-1500	C	0.00	Dark gray depositional layer	0.23	0.02	0.00	0.10	Macrofloccular layer	0.03	0.00	0.00	0.15	White clay clast in sediment column	3	2.84
SPI1-270-1700	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.51	0.03	0.00	0.32	White/light clay clasts at SWI	4	1.43
SPI1-270-1700	B	0.00	Dark gray depositional layer	0.25	0.02	0.00	0.15	Macrofloccular layer	3.98	0.27	0.00	0.97	White/light clay clasts at SWI	4	1.52
SPI1-270-1700	C	0.00	Dark gray depositional layer	0.33	0.02	0.00	0.15	Macrofloccular layer	0.75	0.05	0.00	0.47	White/light clay clasts at SWI	6	1.87
SPI1-270-1900	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	Trace	Trace	0.00	Trace	White/light clay clasts at SWI	5	1.34
SPI1-270-1900	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	Trace	White Clay or clasts	4	9.17
SPI1-270-1900	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	3	4.45
SPI1-270-2100	A	0.00	Dark gray depositional layer	0.15	0.01	0.00	0.17	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	2	3.30
SPI1-270-2100	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	Present	Present	Present	Clay at SWI, gray	4	2.31
SPI1-270-2100	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	4	5.52
SPI1-270-2300	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	4	8.57
SPI1-270-2300	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	8	2.84
SPI1-270-2300	C	0.00	Dark gray depositional layer	0.08	0.01	0.00	0.10	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	3	3.14
SPI1-270-2500	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	6	0.76
SPI1-270-2500	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	3.36	0.00	0.00	2.46	White Clay or clasts	2	1.04
SPI1-270-2500	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	Trace	Trace	Trace	Trace	White Clay or clasts	2	1.78
SPI1-270-2800	A	0.00	Dark gray depositional layer	0.15	0.01	0.00	0.05	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	5	1.41
SPI1-270-2800	B	0.00	Dark gray depositional layer	0.19	0.01	0.00	0.25	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	6	1.20
SPI1-270-2800	C	0.00	Dark gray depositional layer	0.28	0.02	0.00	0.29	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	5	8.07
SPI1-270-3400	A	0.00	Dark gray depositional layer	0.13	0.01	0.00	0.12	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	2	4.07
SPI1-270-3400	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	6	2.05
SPI1-270-3400	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	2	1.74
SPI1-270-3700	A	0.00	Dark gray depositional layer	0.09	0.01	0.00	0.10	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	4	3.28
SPI1-270-3700	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	5	1.26
SPI1-270-3700	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	3	3.06
SPI1-270-4000	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	2	2.41

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SPI1-270-4000	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	4	2.86
SPI1-270-4000	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	2	4.04
SPI1-270-4300	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	1	8.90
SPI1-270-4300	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	1	17.15
SPI1-270-4300	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	4	0.58
SPI1-270-4600	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	5	1.51
SPI1-270-4600	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	2	4.69
SPI1-270-4600	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	4	2.15
SPI1-270-4900	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	0	0.93
SPI1-270-4900	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	2	3.47
SPI1-270-4900	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	3	4.83
SPI1-270-5200	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	0	-
SPI1-270-5200	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	4	2.15
SPI1-270-5200	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	3	5.24
SPI1-270-5500	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	4	3.79
SPI1-270-5500	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	5	5.19
SPI1-270-5500	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White Clay or clasts	5	2.20
SPI1-315-200	A	Ind	Dark gray depositional layer	Ind	Ind	Ind	Ind	Macrofloccular layer	315.46	21.73	21.69	21.69	White clay with admixed gray sediment >penentration	7	0.64
SPI1-315-200	B	0.00	Dark gray depositional layer	10.33	0.71	0.08	1.07	Macrofloccular layer	264.52	18.22	17.93	19.09	White clay with admixed gray sediment >penentration	8	0.74
SPI1-315-200	C	1.26	Dark gray depositional layer	11.14	0.77	0.17	0.78	Macrofloccular layer	114.83	7.91	4.53	9.15	White clay with admixed gray sediment	1	0.00
SPI1-315-300	A	Ind	Dark gray depositional layer	Ind	Ind	Ind	Ind	Macrofloccular layer	315.46	21.73	21.73	21.73	White clay with admixed gray sediment >penentration	12	0.00
SPI1-315-300	B	1.94	Dark gray depositional layer	10.07	0.69	0.12	1.41	Macrofloccular layer	298.53	20.57	19.82	21.52	White clay with admixed gray sediment >penentration	10	3.86
SPI1-315-300	C	Trace	Dark gray depositional layer	17.81	1.23	0.33	1.85	Macrofloccular layer	260.48	17.95	17.47	19.19	White clay with admixed gray sediment >penentration	6	1.86
SPI1-315-400	A	Trace	Dark gray depositional layer	3.94	0.27	0.25	0.66	Macrofloccular layer	121.81	8.39	7.34	8.89	White clay with admixed gray sediment	7	0.88
SPI1-315-400	B	Ind	Dark gray depositional layer	Ind	Ind	Ind	Ind	Macrofloccular layer	315.46	21.73	21.73	21.73	White clay with admixed gray sediment >penentration	4	1.38
SPI1-315-400	C	Ind	Dark gray depositional layer	Ind	Ind	Ind	Ind	Macrofloccular layer	315.46	21.73	21.73	21.73	White clay with admixed gray sediment >penentration	4	1.44
SPI1-315-500	A	0.73	Dark gray depositional layer	7.79	0.54	0.17	0.90	Macrofloccular layer	42.46	2.93	2.18	4.51	White clay with admixed gray sediment	3	1.14
SPI1-315-500	B	0.95	Dark gray depositional layer	10.37	0.71	0.25	1.38	Macrofloccular layer	91.39	6.30	4.24	8.02	White clay with admixed gray sediment	5	1.04
SPI1-315-500	C	0.56	Dark gray depositional layer	6.86	0.47	0.20	1.14	Macrofloccular layer	43.72	3.01	1.77	3.83	White clay with admixed gray sediment	2	1.37

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-315-700	A	0.44	Dark gray depositional layer	2.00	0.14	0.00	0.32	Macrofloccular layer	14.75	1.02	0.00	2.67	White clay with admixed gray sediment	2	9.53
SPI1-315-700	B	0.00	Dark gray depositional layer	9.09	0.63	0.32	1.77	Macrofloccular layer	26.33	1.81	1.29	2.62	White clay with admixed gray sediment	4	0.50
SPI1-315-700	C	Trace	Dark gray depositional layer	7.49	0.52	0.22	1.33	Macrofloccular layer	37.03	2.55	1.99	3.34	White clay with admixed gray sediment	4	3.72
SPI1-315-900	A	0.17	Dark gray depositional layer	1.99	0.14	0.00	0.32	Macrofloccular layer	0.62	0.04	0.00	0.29	White clay clasts at SWI	1	3.12
SPI1-315-900	B	0.00	Dark gray depositional layer	1.76	0.12	0.00	0.34	Macrofloccular layer	0.08	0.01	0.00	0.12	White clay clasts at SWI	2	2.25
SPI1-315-900	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	4.78	0.33	0.00	1.13	White clay clasts at SWI	4	1.18
SPI1-315-1100	A	0.00	Dark gray depositional layer	Trace	Trace	0.00	Trace	Macrofloccular layer	Trace	Trace	0.00	Trace	White clay at SWI or in upper sediment column	5	1.4
SPI1-315-1100	B	0.00	Dark gray depositional layer	Trace	Trace	0.00	Trace	Macrofloccular layer	Trace	Trace	0.00	Trace	White clay at SWI or in upper sediment column	6	1.48
SPI1-315-1100	C	0.00	Dark gray depositional layer	Trace	Trace	0.00	Trace	Macrofloccular layer	0.06	0.00	0.00	0.15	White clay clasts at SWI	6	0.92
SPI1-315-1300	A	0.00	Dark gray depositional layer	1.12	0.08	0.00	0.27	Macrofloccular layer	0.06	0.00	0.00	0.10	White clay clasts at SWI	0	
SPI1-315-1300	B	0.00	Dark gray depositional layer	1.94	0.13	0.00	0.27	Macrofloccular layer	0.02	0.00	0.00	0.02	White clay clasts at SWI	3	2.25
SPI1-315-1300	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	1.23
SPI1-315-1500	A	0.61	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.04	0.00	0.00	0.15	White clay clasts at SWI	4	0.6
SPI1-315-1500	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	Trace	Trace	0.00	Trace	White clay at SWI or in upper sediment column	6	5.44
SPI1-315-1500	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.14	0.01	0.00	0.47	White clay at SWI or in upper sediment column	3	7.6
SPI1-315-1700	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	1.52
SPI1-315-1700	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	1.41
SPI1-315-1700	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	3.88
SPI1-315-1900	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	5	3.72
SPI1-315-1900	B	1.02	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	Trace	Trace	0.00	Trace	White clay at SWI or in upper sediment column	4	2.47
SPI1-315-1900	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	1.49
SPI1-315-2100	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	8	0.44
SPI1-315-2100	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	1	8.67
SPI1-315-2100	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	6	1.46
SPI1-315-2300	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	5	0.98
SPI1-315-2300	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	6	1.3
SPI1-315-2300	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	1.33
SPI1-315-2500	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	5.99
SPI1-315-2500	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	1	2.01
SPI1-315-2500	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	5.1
SPI1-315-2800	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	0	
SPI1-315-2800	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	2.02
SPI1-315-2800	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	6.68
SPI1-315-3100	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	5	1.99
SPI1-315-3100	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	9.76
SPI1-315-3100	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	4.34
SPI1-315-3400	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	4.44
SPI1-315-3400	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	1	10.69
SPI1-315-3400	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	0	
SPI1-315-3700	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	2.88
SPI1-315-3700	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	2.49
SPI1-315-3700	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	2.04
SPI1-315-4000	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	4.63

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-315-4000	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	7	1.27
SPI1-315-4000	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	1.83
SPI1-315-4300	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	2.12
SPI1-315-4300	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	6	3.96
SPI1-315-4300	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	4.51
SPI1-315-4600	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	0	
SPI1-315-4600	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	9.54
SPI1-315-4600	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	2.31
SPI1-315-4900	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	5	3.89
SPI1-315-4900	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	1.56
SPI1-315-4900	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	1.87
SPI1-315-5200	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	5	1.75
SPI1-315-5200	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	8.87
SPI1-315-5200	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	5	2.96
SPI1-315-5500	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	5	1.79
SPI1-315-5500	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	2.83
SPI1-315-5500	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	2.15
SPI1-RK-MT2	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	5	1.83
SPI1-RK-MT2	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	9	3.37
SPI1-RK-MT2	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	8	5.65
SPI1-RK-MT3	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	6	1.9
SPI1-RK-MT3	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	11	6.24
SPI1-RK-MT3	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	9	3.37
SPI1-RK-HiPro	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	1.7
SPI1-RK-HiPro	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	5	0.66
SPI1-RK-HiPro	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	14.84
SPI1-LBNL7	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	1.54
SPI1-LBNL7	B	0.00	Dark gray depositional layer	Trace	Trace	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	1.34
SPI1-LBNL7	C	0.00	Dark gray depositional layer	Trace	Trace	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	2.89
SPI1-MC292/FF005	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	1.54
SPI1-MC292/FF005	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	2.67
SPI1-MC292/FF005	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	3.91
SPI1-2.21	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	4.02
SPI1-2.21	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	0	-
SPI1-2.21	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	4.58
SPI1-NF010	A	0.00	Dark gray depositional layer	Trace	Trace	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	13.25
SPI1-NF010	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	1	9.08
SPI1-NF010	C	0.00	Dark gray depositional layer	0.15	0.01	0.00	0.15	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	8	1.78
SPI1-D044S	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	2.3
SPI1-D044S	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	5	2.33
SPI1-D044S	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	6	0.9
SPI1-D042S	A	0.00	Dark gray depositional layer	4.33	0.30	0.00	0.51	Macrofloccular layer	0.18	0.01	0.00	0.34	White clay clasts at SWI	4	1.65
SPI1-D042S	B	0.00	Dark gray depositional layer	6.40	0.44	0.00	0.73	Macrofloccular layer	57.12	3.94	2.64	5.06	Layer of white clay at top of sediment column	4	8.17
SPI1-D042S	C	0.00	Dark gray depositional layer	5.77	0.40	0.00	0.80	Macrofloccular layer	67.38	4.64	3.49	4.63	Layer of white clay at top of sediment column	6	1.52
SPI1-D038SW	A	0.92	Dark gray depositional layer	10.08	0.69	0.24	1.43	Macrofloccular layer	269.65	18.60	17.21	19.67	White clay at SWI or in upper sediment column	2	4.13
SPI1-D038SW	B	1.19	Dark gray depositional layer	7.60	0.52	0.27	1.19	Macrofloccular layer	230.36	15.85	15.36	17	White clay at SWI or in upper sediment column	6	4.45

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-D038SW	C	2.06	Dark gray depositional layer	6.92	0.48	0.00	0.94	Macrofloccular layer	274.36	18.90	18.35	19.78	White clay at SWI or in upper sediment column	3	6.88
SPI1-A-86	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	5	1.72
SPI1-A-86	B	0.00	Dark gray depositional layer	Trace	Trace	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	2.22
SPI1-A-86	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	3.16
SPI1-NF009/270-3100	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	2.22
SPI1-NF009/270-3100	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	6	1.65
SPI1-NF009/270-3100	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	5	5.59
SPI1-LBNL14	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	1.26
SPI1-LBNL14	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	2.49
SPI1-LBNL14	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	3.21
SPI1-NF008	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	3.66
SPI1-NF008	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	1	5.53
SPI1-NF008	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	3.15
SPI1-LBNL1	A	1.43	Dark gray depositional layer	6.52	0.45	0.20	0.75	Macrofloccular layer	1.44	0.10	0.00	0.49	White clay clasts at SWI	4	5.86
SPI1-LBNL1	B	1.41	Dark gray depositional layer	8.46	0.58	0.17	0.90	Macrofloccular layer	2.25	0.16	0.00	0.73	White clay clasts at SWI	4	3.69
SPI1-LBNL1	C	1.50	Dark gray depositional layer	11.59	0.80	0.49	0.90	Macrofloccular layer	0.60	0.04	0.00	0.44	Light/white clay clasts in sediment column near SWI	3	4.31
SPI1-ALTNF001	A	2.04	Dark gray depositional layer	12.11	0.83	0.38	1.33	Macrofloccular layer	2.11	0.15	0.00	0.41	Light/white clay clasts in sediment column near SWI	3	8.58
SPI1-ALTNF001	B	1.65	Dark gray depositional layer	10.06	0.69	0.41	1.11	Macrofloccular layer	0.83	0.06	0.00	0.39	Light/white clay clasts in sediment column near SWI or at SWI	1	12.08
SPI1-ALTNF001	C	1.89	Dark gray depositional layer	9.30	0.64	0.12	0.78	Macrofloccular layer	3.30	0.23	0.00	0.81	Light/white clay clasts in sediment column near SWI or at SWI	1	2.56
SPI1-CH_Well	A	1.89	Dark gray depositional layer	5.52	0.38	0.20	0.75	Macrofloccular layer	0.41	0.03	0.00	0.27	White clay clasts at SWI	5	2.94
SPI1-CH_Well	B	1.67	Dark gray depositional layer	6.25	0.43	0.22	0.70	Macrofloccular layer	0.07	0.00	0.00	0.05	White clay clasts at SWI	4	3.23
SPI1-CH_Well	C	1.55	Dark gray depositional layer	7.51	0.52	0.29	0.90	Macrofloccular layer	0.10	0.01	0.00	0.12	White clay clasts at SWI	2	3.43
SPI1-RIP_D040S	A	2.06	Dark gray depositional layer	8.05	0.55	0.25	1.41	Macrofloccular layer	16.46	1.13	0.61	1.72	Layer of mixed white and light clay at upper sediment column	2	5.27
SPI1-RIP_D040S	B	2.23	Dark gray depositional layer	8.40	0.58	0.34	0.90	Macrofloccular layer	12.85	0.89	0.44	1.67	Layer of mixed white and light clay at upper sediment column	1	11.21
SPI1-RIP_D040S	C	2.40	Dark gray depositional layer	6.70	0.46	0.15	1.26	Macrofloccular layer	15.61	1.08	0.34	2.04	Layer of mixed white and light clay at upper sediment column	2	1.39
SPI1-D040S	A	2.18	Dark gray depositional layer	6.98	0.48	0.05	0.99	Macrofloccular layer	15.57	1.07	0.44	2.08	Layer of mixed white and light clay at upper sediment column	4	3.87
SPI1-D040S	B	3.71	Dark gray depositional layer	5.85	0.40	0.22	0.90	Macrofloccular layer	8.54	0.59	0.22	2.04	Layer of mixed white and light clay at upper sediment column	1	5.68
SPI1-D040S	C	1.92	Dark gray depositional layer	8.74	0.60	0.19	0.90	Macrofloccular layer	3.18	0.22	0.00	1.09	Clay clasts above dark layer and below flocc layer	1	3.64
SPI1-NF006-MOD	A	0.65	Dark gray depositional layer	3.10	0.21	0.00	0.56	Macrofloccular layer	0.08	0.01	0.00	0.22	Whire clay clast below flocc layer	2	11.24
SPI1-NF006-MOD	B	Trace	Dark gray depositional layer	2.08	0.14	0.00	0.31	Macrofloccular layer	0.85	0.06	0.00	0.24	Small white clay clast in sediment column near SWI	2	1.09
SPI1-NF006-MOD	C	1.19	Dark gray depositional layer	3.89	0.27	0.00	0.70	Macrofloccular layer	0.53	0.04	0.00	0.51	White clay clasts at sediment water interface	2	3.74
SPI1-NF012	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	5	7.00
SPI1-NF012	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	5	2.47
SPI1-NF012	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	2.45

STATION	REP	Layer 2 Max Thickness (cm)	Layer 2 Type	Layer 3 Area	Layer 3 Mean Thickness (cm)	Layer 3 Min Thickness (cm)	Layer 3 Max Thickness (cm)	Layer 3 Type	Layer 4 Area	Layer 4 Mean Thickness (cm)	Layer 4 Min Thickness (cm)	Layer 4 Max Thickness (cm)	Layer 4 Type	Feeding Void #	Void Minimum Depth (cm)
SPI1-NF011	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	4.70
SPI1-NF011	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	3.05
SPI1-NF011	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	7	4.24
SPI1-D050S	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	5	2.25
SPI1-D050S	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	7	2.54
SPI1-D050S	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	3.05
SPI1-CH_GIP24	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	0	-
SPI1-CH_GIP24	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	1.28
SPI1-CH_GIP24	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	1.70
SPI1-D031S	A	1.11	Dark gray depositional layer	10.51	0.72	0.30	1.45	Macrofloccular layer	1.46	0.10	0.00	0.99	White clay clasts at SWI	2	2.79
SPI1-D031S	B	1.19	Dark gray depositional layer	7.60	0.52	0.27	1.19	Macrofloccular layer	Trace	Trace	0.00	Trace	lay at SWI or in upper sediment	2	4.39
SPI1-D031S	C	2.06	Dark gray depositional layer	6.92	0.48	0.00	0.94	Macrofloccular layer	Trace	Trace	0.00	Trace	lay at SWI or in upper sediment	2	3.81
SPI1-ALTNF015	A	0.00	Dark gray depositional layer	1.29	0.09	0.00	0.46	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	1.62
SPI1-ALTNF015	B	0.00	Dark gray depositional layer	Trace	Trace	0.00	Trace	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	1.62
SPI1-ALTNF015	C	0.00	Dark gray depositional layer	0.50	0.03	0.00	0.22	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	1.99
SPI1-JOYE026	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	1	4.87
SPI1-JOYE026	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	0	-
SPI1-JOYE026	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	8	1.21
SPI1-NF014	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	1	6.88
SPI1-NF014	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	6.88
SPI1-NF014	C	0.00	Dark gray depositional layer	0.56	0.04	0.00	0.24	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	5	2.04
SPI1-CH_GIP18	A	0.00	Dark gray depositional layer	0.28	0.02	0.00	0.10	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	4.02
SPI1-CH_GIP18	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	2	1.58
SPI1-CH_GIP18	C	0.00	Dark gray depositional layer	0.68	0.05	0.00	0.24	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	3	2.18
SPI1-NF013	A	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	1.53
SPI1-NF013	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	1.28
SPI1-NF013	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	0	-
SPI1-VK916	A	6.15	Old dark gray sediment layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	3.63
SPI1-VK916	B	7.61	Old dark gray sediment layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	9	1.31
SPI1-VK916	C	1.67	Old dark gray sediment layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	7	4.02
SPI1-D043S	A	0.00	Dark gray depositional layer	0.83	0.06	0.00	0.20	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	4	4.63
SPI1-D043S	B	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	6	2.13
SPI1-D043S	C	0.00	Dark gray depositional layer	0.00	0.00	0.00	0.00	Macrofloccular layer	0.00	0.00	0.00	0.00	White clay clasts at SWI	1	3.34

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-D062S	A	12.82	7.23	12.82	1 on 3	
SPI1-D062S	B	9.57	5.42	17.25	1 on 3	Pteropod "wing" on sediment surface; organic enrichment visible at lower aRPD boundary
SPI1-D062S	C	8.99	5.38	13.76	1 on 3	clasts are wiper blade artifacts; commensals visible on polychaete tubes projecting above SWI
SPI1-FF-MT4	A	12.33	7.01	12.33	1 on 3	
SPI1-FF-MT4	B	10.64	10.52	10.64	3	Surface disturbed from previous camera sampling (vessel not moved between reps); distinct contact boundary between depositional sequences
SPI1-FF-MT4	C	12.65	6.76	16.43	1 on 3	Evidence of burrowing in bottom clay sequence; distinct contact boundary visible between depositional sequences
SPI1-HiPro	A	11.41	6.25	13.88	1 on 3	Polychaete against faceplate @ center subsurface and also to lower right; secondary settlement of tubicolous fauna @ SWI from organic pulse
SPI1-HiPro	B	15.05	8.06	15.05	1 on 3	clasts are wiper blade artifacts; fecal pellets from SWI falling in between camera prism faceplate & sediment profile
SPI1-HiPro	C	13.50	7.18	17.42	1 on 3	subsurface tube transected at depth; excellent example of dendritic colonial foram at SWI
SPI-LBNL9	A	9.64	6.13	11.99	1 on 3	high density of fecal pellets on sediment surface
SPI-LBNL9	B	3.78	2.40	15.10	1 on 3	mud clast "shavings" on surface are wiper blade artifacts
SPI-LBNL9	C	12.99	7.32	12.99	1 on 3	
SPI-LBNL10	A	14.61	7.66	17.47	1 on 3	mud clast "shaving" on surface is wiper blade artifact
SPI-LBNL10	B	9.16	5.53	14.64	1 on 3	deposit feeders reworking organic material into underlying historical clay at depth
SPI-LBNL10	C	4.77	2.97	17.83	1 on 3	Evidence of burrowing in bottom clay sequence on lower right at depth; mud clast "shavings" are wiper blade artifacts
SPI1-180-200	A	16.02	9.33	19.75	3	Evidence that ambient fauna from pre-deposition are still active in historical clay layer at depth.
SPI1-180-200	B	11.80	8.31	11.80	3	Fecal-pellet encrusted large polychaete tube at SWI
SPI1-180-200	C	11.32	7.51	13.69	3	Fecal-pellet encrusted large polychaete tube at SWI
SPI1-180-300	A	12.65	7.56	12.65	3	Fecal-pellet encrusted large polychaete tube at SWI; mud clasts on surface are camera artifacts
SPI1-180-300	B	7.15	5.55	12.67	1 on 3	
SPI1-180-300	C	6.76	4.65	14.42	1 on 3	active sediment mining at bottom boundary of organic layer
SPI1-180-400	A	15.17	12.89	17.81	3	Fecal-pellet encrusted large polychaete tubes at SWI
SPI1-180-400	B	10.35	6.78	10.35	3	Fecal-pellet encrusted large polychaete tubes at SWI
SPI1-180-400	C	13.21	9.01	16.63	1 on 3	Evidence that ambient fauna from pre-deposition are still active in historical clay layer at depth; Fecal-pellet encrusted large polychaete tubes at SWI
SPI1-180-500	A	12.55	8.37	13.13	3	PV shows linear scars; multiple clasts at SWI most likely due to past sampling disturbance
SPI1-180-500	B	14.10	13.74	14.10	3	PV shows linear scars; multiple clasts at SWI most likely due to past sampling disturbance from ROV cable or similar
SPI1-180-500	C	9.40	7.68	16.69	3	
SPI1-180-500	D	9.33	8.07	14.61	3	Fecal-pellet encrusted large polychaete tubes at SWI
SPI1-180-700	A	16.62	11.57	16.62	1 on 3	
SPI1-180-700	B	11.68	7.66	11.68	1 on 3	
SPI1-180-700	C	8.89	6.34	12.50	1 on 3	
SPI1-180-900	A	10.66	7.09	14.98	1 on 3	Individual Beggiatoa wisps visible in top 1 cm
SPI1-180-900	B	12.53	9.81	13.86	1 on 3	Individual Beggiatoa wisps visible in top 1 cm

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-180-900	C	7.73	7.39	12.07	1 on 3	Individual Beggiatoa wisps visible in top 1 cm
SPI1-180-1100	A	5.38	4.67	10.49	1 on 3	enriched organics still seen at historical clay boundary; very low density of Beggiatoa visible as individual strands in upper cm
SPI1-180-1100	B	6.78	5.97	18.78	1 on 3	enriched organics still seen at historical clay boundary; very low density of Beggiatoa visible as individual strands in upper cm
SPI1-180-1100	C	7.34	4.48	15.31	1 on 3	
SPI1-180-1300	A	15.31	9.80	15.31	1 on 3	some individual strands of Beggiatoa visible; appears to be background concentration
SPI1-180-1300	B	9.98	5.77	15.63	1 on 3	Polychaete visible at depth in burrow; active particle advection from deposit feeders seen in several voids
SPI1-180-1300	C	8.48	5.45	11.10	1 on 3	Good view of high number of commensal invertebrates on tubes that are projecting above SWI
SPI1-180-1500	A	14.25	7.79	14.25	1 on 3	Fecal pellets visible inside burrow chamber at right in organic depositional layer
SPI1-180-1500	B	11.85	6.69	11.85	1 on 3	More voids/burrowing visible in upper organic layer than historic clay
SPI1-180-1500	C	9.79	6.12	12.87	1 on 3	
SPI1-180-1700	A	5.38	5.15	11.53	1 on 3	
SPI1-180-1700	B	13.18	11.67	15.14	1 on 3	
SPI1-180-1700	C	-	-	9.55	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-180-1900	A	11.95	10.02	11.95	1 on 3	Fecal pellets visible inside burrow chamber at left in organic depositional layer
SPI1-180-1900	B	15.68	8.87	15.68	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-180-1900	C	13.30	8.71	14.56	1 on 3	
SPI1-180-2100	A	5.04	3.09	13.40	1 on 3	intense particle mining at historical clay contact boundary
SPI1-180-2100	B	14.71	7.79	14.71	1 on 3	
SPI1-180-2100	C	12.65	10.02	13.50	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-180-2300	A	15.41	8.36	17.69	1 on 3	some individual strands of Beggiatoa visible; appears to be background concentration
SPI1-180-2300	B	17.08	9.82	17.08	1 on 3	mud clasts are wiper blade artifacts
SPI1-180-2300	C	16.26	10.23	16.26	1 on 3	Fecal pellets visible inside burrow chamber at center at organic depositional layer contact boundary
SPI1-180-2500	A	8.82	5.08	12.67	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-180-2500	B	14.18	9.98	14.18	1 on 3	top cm completely reworked to be all fecal pellets
SPI1-180-2500	C	16.11	9.30	16.11	1 on 3	intense particle mining at historical clay contact boundary
SPI1-180-2650	A	13.86	7.85	13.86	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-180-2650	B	2.08	1.89	14.37	1 on 3	Fecal pellets visible inside burrow chamber in left half of image in organic depositional layer
SPI1-180-2650	C	9.72	8.38	15.85	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-180-3100	A	15.82	8.88	16.19	1 on 3	
SPI1-180-3100	B	16.23	9.01	16.23	1 on 3	
SPI1-180-3100	C	9.57	5.68	12.21	1 on 3	
SPI1-180-3400	A	2.08	1.72	14.54	1 on 3	Fecal pellets visible inside burrow chambers in center and at right
SPI1-180-3400	B	8.60	8.34	14.93	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-180-3400	C	10.49	6.59	11.66	1 on 3	
SPI1-180-3700	A	8.17	6.29	11.61	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-180-3700	B	7.80	5.31	14.42	1 on 3	
SPI1-180-3700	C	16.72	16.53	16.72	1 on 3	Deep reworking of surface organics to depth thru particle advection
SPI1-180-4000	A	10.71	6.30	15.24	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-180-4000	B	8.70	4.99	15.02	1 on 3	
SPI1-180-4000	C	12.65	8.40	13.28	1 on 3	
SPI1-180-4300	A	8.75	5.45	14.08	1 on 3	active deposit-feeding activity at historical clay contact boundary
SPI1-180-4300	B	11.17	6.35	11.17	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-180-4300	C	7.85	5.48	15.17	1 on 3	
SPI1-180-4600	A	11.90	6.95	11.90	1 on 3	
SPI1-180-4600	B	13.88	9.47	13.88	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-180-4600	C	15.85	11.01	15.85	1 on 3	
SPI1-180-4900	A	-	-	17.35	1 on 3	active burrows transected along left edge, reworking of surface organics to depth from infaunal particle advection; fecal pellets inside void at top left edge

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-180-4900	B	10.13	6.55	13.40	1 on 3	prominent wiper blade clast artifact at SWI
SPI1-180-4900	C	12.58	7.40	17.76	1 on 3	
SPI1-180-5200	A	10.15	6.40	15.70	1 on 3	
SPI1-180-5200	B	9.69	5.97	12.58	1 on 3	
SPI1-180-5200	C	4.02	2.79	9.89	1 on 3	
SPI1-180-5500	A	11.85	6.46	11.85	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-180-5500	B	11.46	7.15	11.46	1 on 3	
SPI1-180-5500	C	8.67	5.59	14.73	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-090-200	A	14.83	10.48	14.83	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-090-200	B	-	-	11.92	1 on 3	Profile obscured by drag-down by prism of surface bacterial/worm mat; larger deposit feeding polychaete seen against faceplate
SPI1-090-200	C	8.12	5.79	15.57	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes; fauna still working subsurface historical clay
SPI1-090-300	A	11.82	8.17	18.42	3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-090-300	B	12.19	11.86	12.19	3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-090-300	C	11.00	10.19	17.62	3	mud clasts are wiper blade artifacts; organically-enriched patches in historical clay from particle advection due to bioturbation, easily seen from both embedded transected burrows and internal burrow fecal pellets.
SPI1-090-400	A	8.36	5.50	11.85	3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-090-400	B	-	-	12.93	2 ->3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes; evidence of subsurface burrowing in both organic surface layer and subsurface lighter clays
SPI1-090-400	C	10.69	7.14	13.55	1 on 3	mud clasts are wiper blade artifacts; organically-enriched patches in historical clay from particle advection due to bioturbation, easily seen from both embedded transected burrows and internal burrow fecal pellets. High SOD and diffusional aRPD, surface has larger, fecal-pellet encrusted polychaete tubes
SPI1-090-500	A	12.14	8.37	16.72	3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-090-500	B	9.35	6.81	14.22	3	left half of image pulled away from faceplate, some artifacts in image; high SOD layer at surface, aRPD would be maily diffusional, but subsurface deposit feeders obviously active here
SPI1-090-500	C	8.49	6.16	15.87	3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-090-700	A	10.13	6.34	12.43	3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-090-700	B	10.52	6.94	13.30	1 on 3	Layer of high SOD mud starting to taper off, only small patch of reduced sediment in right half of image; more Stage 1 tubes & fecal pellets on surface less dense than in previous images along transect
SPI1-090-700	C	9.62	9.34	17.38	1 on 3	
SPI1-090-900	A	10.56	6.95	16.77	1 on 3	Surface layer still has relatively high SOD, aRPD little more than diffusional
SPI1-090-900	B	7.63	7.35	16.80	1 on 3	
SPI1-090-900	C	16.19	10.76	17.72	1 on 3	Extensive particle reworking evident at right edge of profile down to depth of penetration through bioturbation
SPI1-090-1100	A	14.18	8.62	14.18	1 on 3	
SPI1-090-1100	B	11.90	7.16	12.89	1 on 3	
SPI1-090-1100	C	10.57	5.90	11.19	1 on 3	
SPI1-090-1300	A	13.04	7.40	13.62	1 on 3	
SPI1-090-1300	B	7.75	5.06	11.03	1 on 3	
SPI1-090-1300	C	4.27	2.74	6.52	1 on 3	
SPI1-090-1500	A	4.53	2.96	10.87	1 on 3	

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-090-1500	B	13.16	7.00	16.32	1 on 3	
SPI1-090-1500	C	6.88	5.68	14.67	1 on 3	
SPI1-090-1700	A	-	-	16.53	1 on 3	
SPI1-090-1700	B	16.31	9.12	16.31	1 on 3	
SPI1-090-1700	C	11.68	7.25	15.51	1 on 3	mud clast is wiper blade artifact
SPI1-090-1900	A	15.31	8.38	15.31	1 on 3	
SPI1-090-1900	B	7.35	6.76	12.82	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-090-1900	C	8.51	6.76	12.94	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-090-2100	A	5.16	3.95	9.62	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-090-2100	B	9.26	5.89	11.70	1 on 3	
SPI1-090-2100	C	16.06	11.01	16.06	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-090-2300	A	4.75	2.71	11.92	1 on 3	
SPI1-090-2300	B	14.10	7.75	14.10	1 on 3	
SPI1-090-2300	C	9.04	4.84	10.54	1 on 3	
SPI1-090-2500	A	8.72	5.26	11.27	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-090-2500	B	9.57	5.72	14.71	1 on 3	
SPI1-090-2500	C	7.68	4.02	12.60	1 on 3	
SPI1-090-2800	A	13.21	6.90	13.21	1 on 3	
SPI1-090-2800	B	11.41	6.98	14.15	1 on 3	
SPI1-090-2800	C	13.40	7.88	13.40	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-090-3100	A	12.33	7.25	13.31	1 on 3	
SPI1-090-3100	B	10.44	6.19	11.29	1 on 3	
SPI1-090-3100	C	17.76	11.95	17.76	1 on 3	
SPI1-090-3400	A	10.90	6.63	14.87	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-090-3400	B	12.70	7.03	12.70	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-090-3400	C	11.58	6.66	12.06	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-090-3700	A	10.42	6.09	12.22	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-090-3700	B	10.44	6.87	16.64	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-090-3700	C	11.68	6.69	16.78	1 on 3	
SPI1-090-4000	A	15.44	9.09	15.44	1 on 3	mixture of polychaete tubes & colonial forams at SWI; large biogenic mound and extensive particle reworking at organic layer/clay contact boundary
SPI1-090-4000	B	14.42	8.45	14.42	1 on 3	
SPI1-090-4000	C	12.55	7.41	13.98	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-090-4300	A	11.68	6.77	15.26	1 on 3	
SPI1-090-4300	B	11.29	6.54	16.43	1 on 3	
SPI1-090-4300	C	20.67	11.91	20.67	3	Camera prism overpenetrated - no accurate measurements for aRPD, penetration, boundary roughness, etc.
SPI1-090-4600	A	10.30	6.37	14.63	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-090-4600	B	10.88	5.96	12.43	1 on 3	mixture of polychaete tubes & colonial forams at SWI; appears to be silicon test of tintinnid ciliate on polychaete tube in center of image
SPI1-090-4600	C	12.07	7.15	15.81	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-090-4900	A	5.36	5.21	12.38	1 on 3	Tubes and colonial forams at SWI.
SPI1-090-4900	B	8.67	4.91	12.78	1 on 3	Smeared pink organism at lower right. Detritus-mantled crowns on some of the small tubes.
SPI1-090-4900	C	11.78	7.09	15.66	1 on 3	Tubes and dendritic colonial forams at SWI. Mudclasts are artifacts.
SPI1-090-5200	A	8.38	5.45	8.97	1 on 3	Intact tubes with detritus mantles crowns at SWI.
SPI1-090-5200	B	9.14	5.66	13.01	1 on 3	
SPI1-090-5200	C	5.21	5.13	10.30	1 on 3	
SPI1-090-5500	A	2.93	2.81	15.58	1 on 3	High relief, possibly from fish/megafaunal activity. Tubes on slope of relief and broken tubes in swale.
SPI1-090-5500	B	8.41	4.76	13.41	1 on 3	Mixture of polychaetes and colonial forams at SWI.
SPI1-090-5500	C	9.21	5.25	14.01	1 on 3	Mixture of polychaetes and colonial forams at SWI.

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-135-200	A	10.93	6.00	13.56	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-135-200	B	16.16	9.81	16.16	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-135-200	C	12.60	7.20	17.60	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-135-300	A	8.02	7.83	10.30	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-135-300	B	15.51	9.09	15.51	1 on 3	
SPI1-135-300	C	15.58	9.11	15.58	1 on 3	
SPI1-135-400	A	14.56	9.33	17.35	1 on 3	
SPI1-135-400	B	18.20	10.30	18.20	1 on 3	
SPI1-135-400	C	11.56	6.81	17.08	1 on 3	
SPI1-135-500	A	10.73	6.72	14.31	1 on 3	
SPI1-135-500	B	9.84	6.48	15.07	1 on 3	
SPI1-135-500	C	9.72	8.24	13.92	1 on 3	
SPI1-135-700	A	12.02	6.42	12.02	1 on 3	Mucus deposit seen in many PV images visible in this SPI replicate
SPI1-135-700	B	18.37	12.59	18.37	1 on 3	NSLIs are faint but present
SPI1-135-700	C	14.18	8.53	14.81	1 on 3	
SPI1-135-900	A	8.41	5.67	8.41	1 on 3	Profile through previously sampled coring location (visible in PV image)
SPI1-135-900	B	-	-	14.43	1 on 3	
SPI1-135-900	C	7.56	5.80	11.34	1 on 3	
SPI1-135-1100	A	12.33	7.56	12.33	1 on 3	Profile in left half of image disturbed by sampling artifact
SPI1-135-1100	B	9.96	9.56	15.18	1 on 3	
SPI1-135-1100	C	10.32	6.40	18.12	1 on 3	
SPI1-135-1300	A	13.04	8.07	13.04	1 on 3	
SPI1-135-1300	B	11.95	7.31	13.85	1 on 3	
SPI1-135-1300	C	6.83	6.52	11.15	1 on 3	
SPI1-135-1500	A	11.80	8.70	15.43	1 on 3	
SPI1-135-1500	B	13.50	8.41	13.50	1 on 3	
SPI1-135-1500	C	10.98	6.39	13.25	1 on 3	
SPI1-135-1700	A	10.69	10.02	11.34	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-135-1700	B	8.99	4.96	8.99	1 on 3	Right half of image compromised by sampling artifact

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-135-1700	C	14.69	8.68	14.69	1 on 3	
SPI1-135-1900	A	10.59	7.14	10.59	1 on 3	
SPI1-135-1900	B	17.45	9.89	17.45	1 on 3	
SPI1-135-1900	C	12.82	7.67	12.82	1 on 3	
SPI1-135-2100	A	10.54	6.23	12.94	1 on 3	
SPI1-135-2100	B	14.49	8.13	14.49	1 on 3	
SPI1-135-2100	C	16.62	9.10	16.62	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-135-2300	A	15.19	8.02	15.19	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-135-2300	B	9.18	4.88	13.06	1 on 3	
SPI1-135-2300	C	12.85	9.39	12.85	1 on 3	
SPI1-135-2500	A	4.53	3.10	8.09	1 on 3	
SPI1-135-2500	B	13.38	7.74	13.88	1 on 3	
SPI1-135-2500	C	9.09	5.19	10.98	1 on 3	
SPI1-135-2800	A	12.09	6.81	12.09	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-135-2800	B	14.20	7.61	14.20	1 on 3	
SPI1-135-2800	C	9.50	6.00	9.50	1 on 3	
SPI1-135-3100	A	9.98	5.74	11.27	1 on 3	
SPI1-135-3100	B	9.86	6.07	9.86	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-135-3100	C	16.07	8.58	16.07	1 on 3	
SPI1-135-3400	A	6.03	3.74	13.94	1 on 3	
SPI1-135-3400	B	12.07	6.46	13.62	1 on 3	
SPI1-135-3400	C	11.87	7.54	12.21	1 on 3	
SPI1-135-3700	A	16.65	12.96	16.65	1 on 3	Reduced sediment at depth with lower albedo than other replicate images
SPI1-135-3700	B	13.71	7.40	14.12	1 on 3	
SPI1-135-3700	C	9.60	5.86	9.60	1 on 3	
SPI1-135-4000	A	11.49	6.73	16.26	1 on 3	
SPI1-135-4000	B	11.20	6.94	13.16	1 on 3	
SPI1-135-4000	C	16.94	8.87	16.94	1 on 3	
SPI1-135-4300	A	11.03	7.30	11.03	1 on 3	
SPI1-135-4300	B	11.24	6.39	11.24	1 on 3	Fecal pellets visible inside burrow chamber at left in organic depositional layer
SPI1-135-4300	C	10.18	5.50	13.98	1 on 3	Organic loading starting to diminsh; higher albedo at depth
SPI1-135-4600	A	14.59	8.83	14.59	1 on 3	
SPI1-135-4600	B	13.92	8.52	13.92	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-135-4600	C	10.25	5.50	14.35	1 on 3	
SPI1-135-4900	A	-	-	15.85	1 on 3	
SPI1-135-4900	B	10.52	5.79	16.72	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-135-4900	C	4.19	3.57	10.06	1 on 3	
SPI1-135-5200	A	1.94	1.84	14.17	1 on 3	
SPI1-135-5200	B	11.41	7.54	11.41	1 on 3	interface disturbed by sampling artifact
SPI1-135-5200	C	2.82	2.14	10.93	1 on 3	
SPI1-135-5500	A	10.32	6.16	12.68	1 on 3	
SPI1-135-5500	B	14.42	8.00	16.02	1 on 3	
SPI1-135-5500	C	17.04	8.95	17.04	1 on 3	
SPI1-000-200	C	9.12	5.54	9.12	3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-000-200	B	4.77	3.81	10.08	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-000-200	A	5.19	5.08	11.15	3	Measure of organic layer done by linear measurements because of distortion caused by dragdown of surface conglomerate; larger fecal pellet-encrusted polychaete tubes present as well as largely diffusional aRPD. Large conglomerate appears to be chunk of debris from rig that was fomerly in shallower water & covered with encrusting epifauna.
SPI1-000-700	A	-	-	16.09	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-000-700	B	5.09	3.15	11.10	1 on 3	Subsurface fecal pellet chamber
SPI1-000-700	C	9.26	4.97	11.63	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-000-900	A	9.47	5.69	10.93	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-000-900	B	11.05	8.84	14.91	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-000-900	C	5.35	4.56	6.06	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-000-1100	A	10.23	9.12	16.40	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-000-1100	B	9.81	7.41	11.13	1 on 3	High SOD and diffusional aRPD, surface has larger, fecal-pellet encrusted polychaete tubes, deposit-feeding polychaete against faceplate @ depth
SPI1-000-1100	C	10.57	10.19	16.23	1 on 3	mixture of polychaete tubes & colonial forams at SWI; possible that Pelosina appears when surface deposit feeders disappear.
SPI1-000-1300	A	9.11	5.17	12.19	1 on 3	Beggiatoa in much lower density, high SOD layer appears to be disappearing at this location with organic enrichment evident at contact boundary with underlying clay
SPI1-000-1300	B	10.47	6.81	10.47	1 on 3	profile image through trough most likely created during earlier sampling efforts
SPI1-000-1300	C	10.32	5.69	10.32	1 on 3	Subsurface fecal pellet chamber
SPI1-000-1500	A	2.47	2.16	13.71	1 on 3	dark reduced deposits in corresponding PV image, halo of one of these deposits at SWI on right
SPI1-000-1500	B	7.15	5.19	14.15	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-000-1500	C	8.48	4.92	13.61	1 on 3	Subsurface fecal pellet chamber
SPI1-000-1700	A	7.03	3.96	14.19	1 on 3	Subsurface fecal pellet chamber; mixture of polychaete tubes & colonial forams at SWI
SPI1-000-1700	B	8.17	4.69	14.62	1 on 3	
SPI1-000-1700	C	11.68	6.88	15.43	1 on 3	
SPI1-000-1900	A	10.37	6.66	13.57	1 on 3	
SPI1-000-1900	B	5.67	4.11	13.99	1 on 3	
SPI1-000-1900	C	4.53	2.99	11.78	1 on 3	
SPI1-000-2100	A	5.86	3.28	12.36	1 on 3	Subsurface fecal pellet chamber; mixture of polychaete tubes & colonial forams at SWI
SPI1-000-2100	B	7.27	5.37	14.88	1 on 3	
SPI1-000-2100	C	15.68	8.59	15.68	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-000-2300	A	4.05	3.71	13.30	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-000-2300	B	14.74	8.18	14.74	1 on 3	

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-000-2300	C	1.89	1.65	15.81	1 on 3	Subsurface fecal pellet chamber
SPI1-000-2500	A	11.93	6.24	13.33	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-000-2500	B	6.91	4.62	10.71	1 on 3	
SPI1-000-2500	C	4.58	3.32	12.65	1 on 3	
SPI1-000-2800	A	5.96	3.89	13.37	1 on 3	
SPI1-000-2800	B	11.82	7.69	14.78	1 on 3	Subsurface fecal pellet chamber; mixture of polychaete tubes & colonial forams at SWI
SPI1-000-2800	C	13.33	7.53	15.86	1 on 3	Subsurface fecal pellet chamber; mixture of polychaete tubes & colonial forams at SWI
SPI1-000-3100	A	15.53	8.42	15.53	1 on 3	
SPI1-000-3100	B	15.45	8.90	15.45	1 on 3	
SPI1-000-3100	C	4.94	3.57	14.69	1 on 3	
SPI1-000-3400	A	14.76	7.98	15.31	1 on 3	
SPI1-000-3400	B	16.09	8.59	16.09	1 on 3	
SPI1-000-3400	C	10.16	6.67	11.44	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-000-3700	A	-	-	13.93	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-000-3700	B	10.42	6.44	13.70	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-000-3700	C	15.47	9.13	15.47	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-000-4000	A	11.95	7.00	11.95	1 on 3	
SPI1-000-4000	B	10.83	6.35	10.83	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-000-4000	C	9.18	5.98	11.01	1 on 3	
SPI1-000-4300	A	6.33	4.10	15.51	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-000-4300	B	11.07	6.63	16.28	1 on 3	
SPI1-000-4300	C	5.53	5.20	11.22	1 on 3	
SPI1-000-4600	A	5.62	3.91	14.29	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-000-4600	B	2.86	1.82	8.73	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-000-4600	C	14.61	8.71	14.61	1 on 3	
SPI1-000-4900	A	4.65	3.72	14.59	1 on 3	
SPI1-000-4900	B	3.88	2.94	14.61	1 on 3	
SPI1-000-4900	C	4.75	3.21	10.44	1 on 3	

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-000-5200	A	13.57	7.76	13.57	1 on 3	
SPI1-000-5200	B	9.16	7.74	14.86	1 on 3	
SPI1-000-5200	C	13.09	7.04	14.32	1 on 3	
SPI1-000-5500	A	12.70	7.39	14.14	1 on 3	
SPI1-000-5500	B	7.73	5.40	14.67	1 on 3	
SPI1-000-5500	C	14.51	10.25	14.90	1 on 3	
SPI1-045-200	B	-	-	Ind	Ind	Surface network of large polychaetes and bacterial crust dragged down by prism and created distorted/disturbed profile with sampling artifacts; large polychaetes from surface tubes are visible against prism faceplate at depth where they've been squeezed/forced out of their tubes by the prism penetration.
SPI1-045-200	C	8.82	8.31	12.88	1 on 3	debris on sediment surface; High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-045-300	A	9.77	9.03	15.56	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-045-300	B	11.82	7.09	14.88	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-045-300	C	5.14	3.47	14.30	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-045-400	A	5.38	4.02	12.84	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-045-400	B	12.82	8.49	15.87	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-045-400	C	5.31	5.19	13.94	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-045-500	A	10.03	6.64	13.04	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-045-500	B	7.27	7.15	13.93	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-045-500	C	12.70	6.89	18.63	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-045-700	A	9.62	5.51	12.38	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes
SPI1-045-700	B	13.11	7.98	13.11	1 on 3	large wiper blade mud clast on sediment surface - sampling artifact
SPI1-045-700	C	11.44	6.57	13.07	1 on 3	Beggiatoa associated with dark reduced layer; localized foci for bacterial growth
SPI1-045-900	A	11.87	8.80	12.45	1 on 3	High SOD and diffusional aRPD, large, fecal-pellet encrusted polychaete tubes present, Beggiatoa concentrated on reduced organic rich patch
SPI1-045-900	B	13.23	7.89	13.23	1 on 3	Dark organic layer starting to thin out with localized patchy distribution; non-continuous layer
SPI1-045-900	C	9.07	5.84	14.32	1 on 3	large, fecal-pellet encrusted polychaete tubes still preesnt on surface at this location but in lower density
SPI1-045-1100	A	11.53	6.96	13.93	1 on 3	organic rich surface sediment being advected to depth through bioturbation
SPI1-045-1100	B	3.88	3.09	15.44	1 on 3	organic rich surface sediment being advected to depth through bioturbation at right edge of image
SPI1-045-1100	C	12.87	8.94	14.77	1 on 3	
SPI1-045-1300	A	8.21	4.87	13.51	1 on 3	mixture of polychaete tubes & colonial forams at SWI

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-045-1300	B	12.02	7.48	13.10	1 on 3	
SPI1-045-1300	C	11.20	6.86	12.72	1 on 3	Subsurface fecal pellet chamber; mixture of polychaete tubes & colonial forams at SWI
SPI1-045-1500	A	3.22	2.37	14.76	1 on 3	organic rich surface sediment being advected to depth through bioturbation; subsurface fecal pellet chamber in surface organic layer at left
SPI1-045-1500	B	13.62	7.83	14.01	1 on 3	organic rich surface sediment being advected to depth through bioturbation; subsurface fecal pellet chamber in surface organic layer at center
SPI1-045-1500	C	7.76	4.54	13.62	1 on 3	organic rich surface sediment being advected to depth through bioturbation; subsurface fecal pellet chamber in surface organic layer at right
SPI1-045-1700	A	15.46	9.16	15.17	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-045-1700	B	8.19	5.79	15.46	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-045-1700	C	12.41	11.09	14.45	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-045-1900	A	9.67	5.83	16.48	1 on 3	organic rich surface sediment being advected to depth through bioturbation; subsurface fecal pellet chamber in surface organic layer at right
SPI1-045-1900	B	14.37	8.44	14.77	1 on 3	dense assemblage of colonial forams @ SWI
SPI1-045-1900	C	10.40	6.05	14.37	1 on 3	organic rich surface sediment being advected to depth through bioturbation; subsurface fecal pellet chamber in surface organic layer at left
SPI1-045-2100	A	14.95	8.18	15.53	1 on 3	
SPI1-045-2100	B	9.33	9.16	14.95	1 on 3	
SPI1-045-2100	C	14.42	8.13	14.65	1 on 3	organic rich surface sediment being advected to depth through bioturbation; subsurface fecal pellet chamber in surface organic layer at left & right
SPI1-045-2300	A	1.62	1.37	14.42	1 on 3	Subsurface fecal pellet chamber at right in surface organic layer
SPI1-045-2300	B	15.97	8.94	17.08	1 on 3	
SPI1-045-2300	C	13.11	8.15	15.97	1 on 3	
SPI1-045-2500	A	11.95	7.09	13.11	1 on 3	
SPI1-045-2500	B	9.31	9.11	11.95	1 on 3	
SPI1-045-2500	C	10.76	6.19	16.01	1 on 3	
SPI1-045-2800	A	15.39	9.22	14.85	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-045-2800	B	14.37	7.71	15.39	1 on 3	mixture of polychaete tubes & colonial forams at SWI; subsurface fecal pellet chamber in surface oxidized layer in center
SPI1-045-2800	C	10.57	6.39	14.37	1 on 3	
SPI1-045-3100	A	14.11	8.22	13.91	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-045-3100	B	11.07	6.79	14.11	1 on 3	mixture of polychaete tubes & colonial forams at SWI
SPI1-045-3100	C	3.85	3.45	11.07	1 on 3	
SPI1-045-3400	A	7.83	4.87	13.11	1 on 3	surface organic layer almost completely reworked into background sediment
SPI1-045-3400	B	-	-	14.55	1 on 3	mixture of polychaete tubes & colonial forams at SWI

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-045-3400	C	1.79	1.55	14.01	1 on 3	
SPI1-045-3700	A	8.34	5.66	15.44	1 on 3	
SPI1-045-3700	B	13.06	10.25	15.10	1 on 3	
SPI1-045-3700	C	13.76	7.84	14.26	1 on 3	surface organic layer almost completely reworked into background sediment
SPI1-045-4000	A	4.99	3.30	13.76	1 on 3	
SPI1-045-4000	B	3.93	3.48	16.06	1 on 3	converging with ambient
SPI1-045-4000	C	11.27	7.25	14.33	1 on 3	
SPI1-045-4300	A	8.68	5.48	11.27	1 on 3	converging with ambient
SPI1-045-4300	B	15.07	8.32	16.07	1 on 3	converging with ambient
SPI1-045-4300	C	11.34	6.52	15.07	1 on 3	converging with ambient
SPI1-045-4600	A	8.99	5.51	15.25	1 on 3	mixture of polychaete tubes & colonial forams at SWI; organic enrichment visible again at contact boundary
SPI1-045-4600	B	6.18	3.60	16.23	1 on 3	
SPI1-045-4600	C	5.26	3.21	12.31	1 on 3	
SPI1-045-4900	A	8.51	4.79	10.86	1 on 3	
SPI1-045-4900	B	5.89	3.88	13.71	1 on 3	camera faceplate lost contact with sediment at top of image due to wire pulling backward on frame (or uneven settling of base)
SPI1-045-4900	C	6.28	3.99	13.09	1 on 3	converging with ambient
SPI1-045-5200	A	5.69	3.85	10.11	1 on 3	
SPI1-045-5200	B	6.76	4.16	10.15	1 on 3	image snapped just as camera was being pulled out, some distortion of profile & disturbed artifacts in top 5 cm of image
SPI1-045-5200	C	7.74	4.67	14.47	1 on 3	mud clasts are all wiper blade artifacts
SPI1-045-5500	A	14.10	8.15	14.48	1 on 3	
SPI1-045-5500	B	5.44	3.89	13.67	3	
SPI1-045-5500	C	7.27	4.74	13.36	3	converging with ambient
SPI1-225-200	A	10.01	6.24	11.43	1 on 3	
SPI1-225-200	B	9.18	6.42	9.18	1 on 3	Overpenetration of camera prism; many measurements minimum estimates
SPI1-225-200	C	3.17	2.17	5.43	1 on 3	Larger fecal pellet-coated polychaete tubes on sediment surface; high SOD, NSLI traces evident in organic layer at right edge of image
SPI1-225-300	A	12.41	12.04	12.41	1 on 3	
SPI1-225-300	B	3.51	2.80	12.34	1 on 3	
SPI1-225-300	C	13.04	8.36	13.04	1 on 3	Larger fecal pellet-coated polychaete tubes on sediment surface.

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-225-400	A	9.06	5.89	13.01	1 on 3	
SPI1-225-400	B	8.67	5.29	8.67	3	Larger fecal pellet-coated polychaete tubes on sediment surface.
SPI1-225-400	C	11.39	7.66	16.36	1 on 3	
SPI1-225-500	A	13.89	12.05	14	3	organic rich surface sediment being advected to depth through bioturbation
SPI1-225-500	B	8.77	5.68	16.23	3	
SPI1-225-500	C	-	-	13.71	1 on 3	
SPI1-225-700	A	6.72	5.03	14.61	1 on 3	
SPI1-225-700	B	-	-	13.34	1 on 3	
SPI1-225-700	C	11.05	7.12	12.95	3	
SPI1-225-900	A	3.39	2.23	13.12	1 on 3	Subsurface fecal pellet chamber in surface oxidized layer in center
SPI1-225-900	B	7.92	7.69	15.78	1 on 3	
SPI1-225-900	C	4.26	3.60	9.77	1 on 3	Subsurface fecal pellet chamber in surface oxidized layer in center
SPI1-225-1100	A	14.71	11.55	14.71	1 on 3	
SPI1-225-1100	B	13.04	8.33	13.04	3	
SPI1-225-1100	C	10.49	9.68	14.87	1 on 3	
SPI1-225-1300	A	16.21	9.17	16.21	1 on 3	
SPI1-225-1300	B	4.75	2.98	14.13	1 on 3	Subsurface fecal pellet chamber in surface oxidized layer in center
SPI1-225-1300	C	10.66	6.23	14.05	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-225-1500	A	15.56	9.98	15.56	1 on 3	
SPI1-225-1500	B	13.38	7.31	13.38	1 on 3	
SPI1-225-1500	C	14.85	9.58	14.85	1 on 3	
SPI1-225-1700	A	12.05	7.59	12.05	1 on 3	
SPI1-225-1700	B	11.61	6.59	13.51	1 on 3	
SPI1-225-1700	C	17.79	10.06	17.79	1 on 3	
SPI1-225-1900	A	8.94	6.76	11.43	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-225-1900	B	8.72	5.33	11.00	1 on 3	
SPI1-225-1900	C	12.21	7.46	12.21	1 on 3	
SPI1-225-2100	A	11.92	7.41	14.14	1 on 3	portion of polychaete visible in transected burrow on right
SPI1-225-2100	B	13.33	8.70	13.33	1 on 3	

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-225-2100	C	8.29	4.62	14.66	1 on 3	reappearance of reduced organic layer
SPI1-225-2300	A	16.38	8.93	16.38	1 on 3	mixture of polychaete tubes & colonial forams at SWI; subsurface fecal pellet chamber in surface oxidized layer at left
SPI1-225-2300	B	4.12	2.74	15.99	1 on 3	mixture of polychaete tubes & colonial forams at SWI; subsurface fecal pellet chamber in surface oxidized layer at left
SPI1-225-2300	C	11.00	6.02	15.91	1 on 3	
SPI1-225-2500	A	8.14	5.62	11.17	1 on 3	
SPI1-225-2500	B	17.88	9.64	17.88	1 on 3	
SPI1-225-2500	C	8.41	5.14	14.51	1 on 3	
SPI1-225-2800	A	10.33	6.28	14.88	1 on 3	
SPI1-225-2800	B	14.59	10.63	14.59	1 on 3	
SPI1-225-2800	C	11.51	6.97	12.95	1 on 3	
SPI1-225-3100	A	15.48	9.35	16.01	1 on 3	
SPI1-225-3100	B	15.42	8.39	15.42	1 on 3	
SPI1-225-3100	C	2.08	1.94	9.26	1 on 3	
SPI1-225-3400	A	10.69	6.36	15.19	1 on 3	
SPI1-225-3400	B	5.82	3.36	16.33	1 on 3	
SPI1-225-3400	C	9.38	5.79	14.81	1 on 3	
SPI1-225-3700	A	8.63	5.53	15.56	1 on 3	
SPI1-225-3700	B	16.02	9.28	16.02	1 on 3	Profile image through large mound (visible in corresponding PV image) excavated by burrowing megafauna
SPI1-225-3700	C	13.89	7.50	16.19	1 on 3	
SPI1-225-4000	A	14.50	8.00	14.50	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-225-4000	B	14.61	7.78	14.61	1 on 3	
SPI1-225-4000	C	10.62	10.47	11.63	1 on 3	
SPI1-225-4300	A	10.32	5.69	10.32	1 on 3	
SPI1-225-4300	B	17.49	9.34	17.49	1 on 3	
SPI1-225-4300	C	15.77	9.51	15.77	1 on 3	
SPI1-225-4600	A	9.86	5.48	16.46	1 on 3	
SPI1-225-4600	B	9.11	5.90	18.25	1 on 3	
SPI1-225-4600	C	16.67	9.39	17.18	1 on 3	
SPI1-225-4900	A	10.35	6.25	16.69	1 on 3	

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-225-4900	B	9.23	6.07	14.03	1 on 3	
SPI1-225-4900	C	2.13	1.79	12.03	1 on 3	
SPI1-225-5200	A	3.54	3.16	16.94	1 on 3	
SPI1-225-5200	B	14.85	8.28	17.57	1 on 3	
SPI1-225-5200	C	10.69	7.09	15.82	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-225-5500	A	7.85	5.17	14.25	1 on 3	
SPI1-225-5500	B	10.83	6.88	14.76	1 on 3	
SPI1-225-5500	C	8.27	5.40	14.51	1 on 3	
SPI1-270-200	A	-	-	14.67	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes; NSLIs in very small droplets
SPI1-270-200	B	6.04	5.95	15.31	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes; NSLIs in somewhat larger droplets than previous replicate image
SPI1-270-200	C	5.79	5.38	14.29	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes; NSLIs in somewhat larger droplets than first replicate image at this station.
SPI1-270-300	A	11.51	8.41	11.51	1 on 3	
SPI1-270-300	B	11.12	6.58	15.24	1 on 3	High SOD and diffusional aRPD, surface covered with fecal pellets as well as larger, fecal-pellet encrusted polychaete tubes; NSLIs in very small droplets. Subsurface fecal pellet chamber just below layer 4-type mud at contact boundary with dark reduced layer
SPI1-270-300	C	9.28	6.34	11.44	1 on 3	Very different that previous 2 replicates; apprears to have been taken in trench scar visible in PV image
SPI1-270-400	A	13.04	12.81	13.04	1 on 3	
SPI1-270-400	B	10.88	9.63	15.82	1 on 3	
SPI1-270-400	C	11.27	7.30	14.08	1 on 3	
SPI1-270-500	A	14.66	8.02	14.66	1 on 3	Subsurface chamber with fecal pellets in surface oxidized layer on right.
SPI1-270-500	B	11.07	6.49	11.07	1 on 3	
SPI1-270-500	C	-	-	11.54	2 -> 3	
SPI1-270-700	A	8.84	5.44	11.01	1 on 3	Subsurface fecal pellet chamber in surface oxidized layer at right
SPI1-270-700	B	8.14	6.31	13.34	1 on 3	
SPI1-270-700	C	10.15	5.56	12.43	1 on 3	Subsurface fecal pellet chamber in surface oxidized layer at right

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-270-900	A	3.71	2.44	11.13	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-270-900	B	9.55	5.48	14.98	1 on 3	Subsurface fecal pellet chamber in surface oxidized layer in center; mixture of polychaete tubes & colonial forams at SWI
SPI1-270-900	C	5.51	3.52	5.51	1 on 3	Subsurface fecal pellet chamber in surface oxidized layer at right
SPI1-270-1100	A	8.02	4.61	12.77	1 on 3	Subsurface fecal pellet chamber in surface oxidized layer in center
SPI1-270-1100	B	4.60	4.17	8.82	1 on 3	
SPI1-270-1100	C	9.28	6.18	12.31	1 on 3	
SPI1-270-1300	A	10.96	6.37	12.24	1 on 3	
SPI1-270-1300	B	15.27	11.67	15.27	1 on 3	
SPI1-270-1300	C	12.96	7.49	12.96	1 on 3	
SPI1-270-1500	A	5.09	4.23	13.67	1 on 3	
SPI1-270-1500	B	15.22	7.96	15.22	1 on 3	
SPI1-270-1500	C	14.33	8.58	15.51	1 on 3	
SPI1-270-1700	A	7.01	4.22	15.98	1 on 3	Subsurface fecal pellet chamber in subsurface clay at left; organic-rich surface sediment being advected to depth via bioturbation
SPI1-270-1700	B	10.01	5.76	14.13	1 on 3	Subsurface fecal pellet chamber in surface oxidized layer in center; organic-rich surface sediment being advected to depth via bioturbation
SPI1-270-1700	C	14.83	8.35	14.83	1 on 3	Subsurface fecal pellet chamber in surface oxidized layer at left; organic-rich surface sediment being advected to depth via bioturbation
SPI1-270-1900	A	14.60	7.97	16.08	1 on 3	
SPI1-270-1900	B	13.43	11.30	13.43	1 on 3	
SPI1-270-1900	C	13.59	9.02	15.92	1 on 3	
SPI1-270-2100	A	14.29	8.80	14.29	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-270-2100	B	10.95	6.63	16.07	1 on 3	
SPI1-270-2100	C	8.91	7.22	11.83	1 on 3	
SPI1-270-2300	A	11.49	10.03	14.72	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-270-2300	B	13.14	7.99	13.14	1 on 3	Organic-rich surface sediment being advected to depth via bioturbation
SPI1-270-2300	C	8.47	5.80	13.68	1 on 3	
SPI1-270-2500	A	10.54	5.65	12.54	1 on 3	
SPI1-270-2500	B	3.86	2.45	3.86	1 on 3	Colonial forams @ SWI and subsurface fecal pellet chamber in oxidized surface layer in center
SPI1-270-2500	C	3.80	2.79	13.50	1 on 3	
SPI1-270-2800	A	7.52	4.47	15.54	1 on 3	
SPI1-270-2800	B	9.43	5.32	9.43	1 on 3	Subsurface fecal pellet chamber in surface oxidized layer at right
SPI1-270-2800	C	14.03	11.05	16.65	1 on 3	
SPI1-270-3400	A	6.64	5.35	12.30	1 on 3	Subsurface fecal pellet chamber in subsurface clay at right
SPI1-270-3400	B	9.58	5.81	16.68	1 on 3	Colonial forams @ SWI.
SPI1-270-3400	C	5.57	3.65	15.35	1 on 3	
SPI1-270-3700	A	11.78	7.53	11.78	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-270-3700	B	3.91	2.58	16.04	1 on 3	
SPI1-270-3700	C	10.26	6.66	13.58	1 on 3	
SPI1-270-4000	A	3.90	3.15	14.58	1 on 3	

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-270-4000	B	10.25	6.55	13.02	1 on 3	white clay shaving@surf=wiper clasts; holothurian in center at SWI
SPI1-270-4000	C	8.96	6.50	8.96	1 on 3	
SPI1-270-4300	A	9.16	9.03	16.63	1 on 3	
SPI1-270-4300	B	17.39	17.27	17.39	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-270-4300	C	9.27	4.93	13.52	1 on 3	Subsurface fecal pellet chamber in subsurface clay at left and in oxidized surface layer at right
SPI1-270-4600	A	8.44	4.98	12.16	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-270-4600	B	11.21	7.95	11.21	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-270-4600	C	10.06	6.11	16.66	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-270-4900	A	3.70	2.31	14.47	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-270-4900	B	11.52	7.50	11.52	1 on 3	
SPI1-270-4900	C	11.57	8.20	14.54	1 on 3	
SPI1-270-5200	A	-	-	12.30	1 on 3	
SPI1-270-5200	B	11.31	6.73	13.33	1 on 3	mixture of polychaete tubes & colonial forams at SWI; subsurface fecal pellet chamber in surface oxidized layer at left
SPI1-270-5200	C	13.60	9.42	13.60	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-270-5500	A	7.15	5.47	15.54	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-270-5500	B	6.64	5.91	15.20	1 on 3	
SPI1-270-5500	C	3.38	2.79	Ind	1 on 3	minimal penetration; anomaly
SPI1-315-200	A	15.71	8.18	15.71	3	over-penetration
SPI1-315-200	B	17.11	8.93	17.11	3	
SPI1-315-200	C	5.02	2.51	18.39	3	
SPI1-315-300	A	19.74	9.87	20.41	3	
SPI1-315-300	B	16.71	10.28	19.82	3	
SPI1-315-300	C	14.33	8.09	18.01	3	over-penetration
SPI1-315-400	A	8.56	4.72	14.61	3	
SPI1-315-400	B	17.92	9.65	17.92	3	over-penetration
SPI1-315-400	C	11.14	6.29	Ind	3	over-penetration
SPI1-315-500	A	2.79	1.97	17.79	1 on 3	Subsurface fecal pellet chamber in center
SPI1-315-500	B	17.59	9.31	17.59	1 on 3	
SPI1-315-500	C	7.82	4.59	15.85	1 on 3	

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-315-700	A	14.73	12.13	14.73	1 on 3	
SPI1-315-700	B	16.31	8.40	16.31	1 on 3	Subsurface fecal pellet chamber at right in surface organic layer
SPI1-315-700	C	17.52	10.62	17.52	1 on 3	Subsurface fecal pellet chamber at right in surface organic layer
SPI1-315-900	A	3.28	3.20	13.69	1 on 3	
SPI1-315-900	B	3.87	3.06	13.98	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-315-900	C	15.65	8.41	15.65	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-315-1100	A	8.77	5.09	15.39	1 on 3	
SPI1-315-1100	B	14.74	8.11	14.86	1 on 3	mixture of polychaete tubes and colonial forams@surf; void w/ fecal pellets@far right
SPI1-315-1100	C	17.82	9.37	17.82	1 on 3	
SPI1-315-1300	A			13.72	1 on 3	wiper clast; subsurface fecal pellet chamber at left in surface oxidized layer
SPI1-315-1300	B	7.59	4.92	16.00	1 on 3	
SPI1-315-1300	C	9.47	5.35	13.98	1 on 3	
SPI1-315-1500	A	13.42	7.01	13.42	1 on 3	
SPI1-315-1500	B	15.6	10.52	15.6	1 on 3	
SPI1-315-1500	C	9.72	8.66	9.66	1 on 3	small patch of NSLI's at left edge
SPI1-315-1700	A	3.36	2.44	10.14	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-315-1700	B	2.17	1.79	12.13	1 on 3	
SPI1-315-1700	C	4.86	4.37	11.06	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-315-1900	A	10.38	7.05	12.71	1 on 3	Subsurface fecal pellet chamber at left in surface oxidized layer
SPI1-315-1900	B	9.79	6.13	13.51	1 on 3	Subsurface fecal pellet chamber at left in surface oxidized layer
SPI1-315-1900	C	15.53	8.51	15.53	1 on 3	white clay@surf=wiper clasts; deep void lwr left, mixture of polychaete tubes & colonial forams @ SWI.
SPI1-315-2100	A	7.45	3.945	14.14	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-315-2100	B	8.88	8.78	16.53	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-315-2100	C	6.11	3.785	14.29	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-315-2300	A	8.43	4.705	12.26	1 on 3	Subsurface fecal pellet chamber at right in surface organic layer
SPI1-315-2300	B	11.94	6.62	12.24	1 on 3	Subsurface fecal pellet chamber near center in surface organic layer
SPI1-315-2300	C	4.05	2.69	13.86	1 on 3	mixture of polychaete tubes & colonial forams at SWI; mudclasts are wiper blade artifacts
SPI1-315-2500	A	16.85	11.42	16.85	1 on 3	
SPI1-315-2500	B	2.07	2.04	14.51	1 on 3	
SPI1-315-2500	C	13.71	9.41	14.28	1 on 3	several small partial voids@depth
SPI1-315-2800	A			17.02	1 on 3	
SPI1-315-2800	B	7.64	4.83	13.68	1 on 3	
SPI1-315-2800	C	8.14	7.41	11.52	1 on 3	mixture of polychaete tubes & colonial forams at SWI; mudclast is wiper blade artifact
SPI1-315-3100	A	16.26	9.13	16.26	1 on 3	
SPI1-315-3100	B	11.87	10.82	17.21	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-315-3100	C	8.27	6.31	16.98	1 on 3	
SPI1-315-3400	A	15.93	10.19	15.93	1 on 3	over-penetration
SPI1-315-3400	B	10.77	10.73	16.08	1 on 3	multiple depositional strata
SPI1-315-3400	C			11.03	1 on 3	
SPI1-315-3700	A	13.69	8.29	15.45	1 on 3	
SPI1-315-3700	B	3.37	2.93	14.63	1 on 3	
SPI1-315-3700	C	3.08	2.56	12.36	1 on 3	
SPI1-315-4000	A	14.16	9.40	14.16	1 on 3	

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-315-4000	B	16.32	8.80	16.32	1 on 3	
SPI1-315-4000	C	4.73	3.28	13.98	1 on 3	
SPI1-315-4300	A	16.32	9.22	16.32	1 on 3	
SPI1-315-4300	B	13.56	8.76	14.05	1 on 3	
SPI1-315-4300	C	15.14	9.825	15.91	1 on 3	
SPI1-315-4600	A			14.29	1 on 3	no obvious voids but orgs@depth; mixture of polychaetes and colonial forams @ SWI
SPI1-315-4600	B	11.66	10.6	14.03	1 on 3	
SPI1-315-4600	C	5.55	3.93	15.86	1 on 3	
SPI1-315-4900	A	14.63	9.26	14.63	1 on 3	
SPI1-315-4900	B	8.79	5.18	16.02	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-315-4900	C	11.8	6.84	14.61	1 on 3	
SPI1-315-5200	A	15.49	8.62	15.49	1 on 3	
SPI1-315-5200	B	10.55	9.71	15.06	1 on 3	
SPI1-315-5200	C	9.51	6.24	14.26	1 on 3	wiper clast
SPI1-315-5500	A	8.78	5.29	14.76	1 on 3	wiper clast
SPI1-315-5500	B	5.37	4.10	14.27	1 on 3	
SPI1-315-5500	C	3.44	2.80	12.26	1 on 3	
SPI1-RK-MT2	A	16.76	9.30	17.85	1 on 3	large deep vertical burrow w/ biogenic mounds@surf
SPI1-RK-MT2	B	16.82	10.10	16.82	1 on 3	fluid-filled burrow@surf w/ black organism arm
SPI1-RK-MT2	C	16.91	11.28	16.91	1 on 3	numerous wiper clasts
SPI1-RK-MT3	A	15.54	8.72	15.54	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-RK-MT3	B	17.9	12.07	17.9	1 on 3	
SPI1-RK-MT3	C	13.29	8.33	15.53	1 on 3	
SPI1-RK-HiPro	A	8.91	5.31	12.18	1 on 3	wiper clasts; edge of burrows/voids transected at depth
SPI1-RK-HiPro	B	8.4	4.53	13.88	1 on 3	
SPI1-RK-HiPro	C	16.24	15.54	16.24	1 on 3	2 deep voids
SPI1-LBNL7	A	10.19	5.87	15.03	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-LBNL7	B	8.97	5.16	16.44	1 on 3	
SPI1-LBNL7	C	12.58	7.74	12.58	1 on 3	Subsurface fecal pellet chamber at right in surface organic layer
SPI1-MC292/FF005	A	5.38	3.46	12.33	3	
SPI1-MC292/FF005	B	5.67	4.17	19	1 on 3	Biogenic mound from burrowing megafauna
SPI1-MC292/FF005	C	10.35	7.13	13.03	3	
SPI1-2.21	A	7.31	5.67	11.1	1 on 3	
SPI1-2.21	B	-	-	13.51	1 on 3	
SPI1-2.21	C	10.68	7.63	15.31	1 on 3	
SPI1-NF010	A	16.15	14.70	16.15	1 on 3	
SPI1-NF010	B	9.48	9.28	14.66	1 on 3	
SPI1-NF010	C	10.31	6.05	14.21	3	
SPI1-D044S	A	11.25	6.78	15.62	1 on 3	Subsurface fecal pellet chamber at right in surface organic layer
SPI1-D044S	B	8.38	5.36	13.36	1 on 3	Subsurface fecal pellet chamber in surface organic layer in center
SPI1-D044S	C	13.24	7.07	13.24	1 on 3	
SPI1-D042S	A	15.79	8.72	15.79	1 on 3	
SPI1-D042S	B	13.2	10.69	16.5	1 on 3	Subsurface fecal pellet chamber at right in surface organic layer
SPI1-D042S	C	16.3	8.91	16.3	1 on 3	Subsurface fecal pellet chamber in surface organic layer in center
SPI1-D038SW	A	17.01	10.57	17.01	3	NSLIs are extremely small for the most part; drilling mud > penetration
SPI1-D038SW	B	12.89	8.67	12.89	3	NSLIs are extremely small for the most part; drilling mud > penetration

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-D038SW	C	9.79	8.34	16.31	3	NSLIs are extremely small for the most part; drilling mud > penetration
SPI1-A-86	A	14.48	8.10	14.48	1 on 3	
SPI1-A-86	B	8.96	5.59	15.45	1 on 3	
SPI1-A-86	C	15.92	9.54	15.92	1 on 3	
SPI1-NF009/270-3100	A	12.19	7.21	16.14	1 on 3	1 Subsurface fecal pellet chamber at right in surface organic layer and 1 in center
SPI1-NF009/270-3100	B	9.2	5.43	12.74	1 on 3	
SPI1-NF009/270-3100	C	15.44	10.52	16.26	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-LBNL14	A	2.93	2.10	14.29	1 on 3	
SPI1-LBNL14	B	6.82	4.66	16.09	1 on 3	
SPI1-LBNL14	C	8.76	5.99	16.52	1 on 3	
SPI1-NF008	A	10.29	6.98	16.54	1 on 3	
SPI1-NF008	B	5.66	5.60	11.19	1 on 3	
SPI1-NF008	C	8.74	5.95	15.21	1 on 3	
SPI1-LBNL1	A	11.95	8.91	14.64	1 on 3	
SPI1-LBNL1	B	7.69	5.69	16.38	1 on 3	
SPI1-LBNL1	C	10.16	7.24	16.39	1 on 3	
SPI1-ALTNF001	A	12.15	10.37	15.26	1 on 3	
SPI1-ALTNF001	B	12.3	12.19	16.18	1 on 3	
SPI1-ALTNF001	C	3.4	2.98	10.45	1 on 3	
SPI1-CH_Well	A	16.43	9.69	16.43	1 on 3	
SPI1-CH_Well	B	9.63	6.43	15.24	1 on 3	
SPI1-CH_Well	C	4.65	4.04	12.33	1 on 3	
SPI1-RIP_D040S	A	14.05	9.66	16.95	1 on 3	
SPI1-RIP_D040S	B	11.78	11.50	13.31	1 on 3	
SPI1-RIP_D040S	C	8.45	4.92	17.71	1 on 3	NSLIs are extremely small
SPI1-D040S	A	12.27	8.07	15.45	1 on 3	
SPI1-D040S	B	6	5.84	12.26	1 on 3	
SPI1-D040S	C	3.8	3.72	16.77	1 on 3	
SPI1-NF006-MOD	A	15	13.12	15	1 on 3	
SPI1-NF006-MOD	B	4.43	2.76	11.48	1 on 3	
SPI1-NF006-MOD	C	8.33	6.04	11.76	1 on 3	
SPI1-NF012	A	16.26	11.63	16.26	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-NF012	B	8.75	5.61	10.49	1 on 3	
SPI1-NF012	C	12.82	7.63	12.82	1 on 3	

STATION	REP	Void Maximum Depth (cm)	Void Average Depth (cm)	Maximum Bioturbation Depth (cm)	Successional Stage	Comment
SPI1-NF011	A	15.43	10.07	15.43	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-NF011	B	9.35	6.20	12.48	1 on 3	mixture of polychaete tubes & colonial forams at SWI; mudclast is wiper blade artifact
SPI1-NF011	C	17.18	10.71	17.18	1 on 3	Subsurface fecal pellet chamber in surface organic layer in center; mixture of polychaete tubes & colonial forams @ SWI.
SPI1-D050S	A	11.44	6.85	13.08	1 on 3	
SPI1-D050S	B	15.58	9.06	15.58	1 on 3	Subsurface fecal pellet chamber in surface organic layer in center.
SPI1-D050S	C	14.03	8.54	14.03	1 on 3	
SPI1-CH_GIP24	A	-	-	15.19	1 on 3	
SPI1-CH_GIP24	B	16.31	8.80	16.31	1 on 3	
SPI1-CH_GIP24	C	5.41	3.55	17.25	1 on 3	Several tubes and tube types at SWI. Multiple shallow voids, one filled with infaunal fecal pellets. Artifact mudclasts.
SPI1-D031S	A	8.22	5.50	13.68	3	
SPI1-D031S	B	9.69	7.04	12.94	1 on 3	
SPI1-D031S	C	12.62	8.22	15.53	1 on 3	Distinct and unbioturbated flocc layer. White clay clasts at SWI. Triangular chitonous plate (pteropod?) . Smeared polychaete next to void in upper center. Localized high SOD and beggiatoa at margins of gray layer in upper sediment column.
SPI1-ALTNF015	A	15.82	8.72	15.82	1 on 3	Multiple small tubes with tentancular crown and captured detritus at SWI. Burrow at left. Subsurface clays being advected at center.
SPI1-ALTNF015	B	9.55	5.59	14.19	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-ALTNF015	C	13.23	7.61	13.23	1 on 3	Subsurface fecal pellet chamber in surface organic layer at left; mixture of polychaete tubes & colonial forams @ SWI.
SPI1-JOYE026	A	5.91	5.39	15.58	1 on 3	Tubes at SWI and colonial forams (erect) in background. Infaunal fecal pellet filled void in upper sediment column.
SPI1-JOYE026	B	-	-	12.48	1 on 3	Surface disturbed from sampling. Colonial forams are in background. Collapsed voids in lower left. Wiper artifact at right.
SPI1-JOYE026	C	15.27	8.24	15.27	1 on 3	Multiple small burrow/voids at depth, one with oxidized pellets. Small tubes in background.
SPI1-NF014	A	7.80	7.34	14.61	1 on 3	Mixture of polychaete tubes & colonial forams @ SWI. Void at right and pockets of oxidized sediment in lower right.
SPI1-NF014	B	9.81	8.35	15.14	1 on 3	Several thin tubes, broken/recumbent tube at right. Small voids.
SPI1-NF014	C	16.07	9.05	16.98	1 on 3	Mixture of polychaete tubes & colonial forams @ SWI. Subsurface clay advected to SWI in left-center biogenic depression/burrow. Holothurian swimming above SWI in center
SPI1-CH_GIP18	A	15.77	9.90	15.77	1 on 3	Tubes at SWI, burrow at right and subsurface clay advected to SWI.
SPI1-CH_GIP18	B	4.80	3.19	6.74	1 on 3	Tubes at SWI and biogenic mound.
SPI1-CH_GIP18	C	4.73	3.45	13.91	1 on 3	Small and recumbent tubes at SWI. Orange foram. Shallow voids and sediment filled burrow at bottom left. Shallow void/burrow at right filled with infaunal fecal pellets.
SPI1-NF013	A	8.43	4.98	11.76	1 on 3	mixture of polychaete tubes & colonial forams at SWI.
SPI1-NF013	B	10.15	5.72	17.64	1 on 3	Small intact tubes and broken tube at SWI. Fecal pellet filled void in upper left. Subsurface sediment advected to SWI at right.
SPI1-NF013	C	-	-	15.19	1 on 3	Colonial forams at SWI and a few small tubes. Subsurface tand clay advected to SWI at center right, presumably from deposit feeding infauna or megafaunal burrowing
SPI1-VK916	A	11.49	7.56	11.49	1 on 3	Deep aRPD over intact dark gray layer (mud/fluid). Voids and burrow at left and biogenic mound at right.
SPI1-VK916	B	16.26	8.78	16.26	1 on 3	aRPD over historic synthetic drilling muds. Multiple small tubes at SWI. Numerous active voids in lower sediment column in old seafloor under the gray depsotional layer.
SPI1-VK916	C	21.35	12.69	21.35	3	Slightly overpemnetrated and multiple large voids throughout. Patch of reduced dark gray sediment in center of frame.
SPI1-D043S	A	14.66	9.64	14.66	1 on 3	Several very small tubes and voids in center/lower center of frame.
SPI1-D043S	B	13.74	7.94	15.45	1 on 3	Reduced mudclasts are artifacts. Tube with detritus mnatled crown at left. Large feeding voids at depth. At center SWI and two burrows/voids filled with infaunal fecal pellets in upper 3 cm of the sediment column.
SPI1-D043S	C	4.43	3.89	6.86	1 on 3	High surface relief physical in origin. RPD mirrors surface and tubes at SWI. Relief is biogenic depression from fish or megafaunal activity (see corresponding PV image)

Appendix B

PV Image Analysis Results

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Preliminary Draft Data

Station	Easting	Northing	Depth (m)	Latitude	Longitude	Time Stamp on Image	Date	Scale (pixels)	Width (pixels)	Height (pixels)	Resolution (cm per pixel)	Width (cm)	Height (cm)	Area (m^2)	Beggiatoa (pixel area)	Beggiatoa (% cover)	Beggiatoa (m^2)
SP1-FFMT4-A	286778.7	3080089.81	1385.6	27.82853682	-89.16488037	10:29:39 PM	4/8/2011	359.09	4288	2848	0.0724	310.47	206.21	6.40	0	0.00	0.00
SP1-FFMT4-B	286783.63	3080096.4	1385.4	27.82859706	-89.16483153	10:33:37 PM	4/8/2011	no lasers	4288	2848	na	na	na	na	na	na	na
SP1-FFMT4-C	286799.25	3080083.87	1385.6	27.82848651	-89.16467078	10:37:20 PM	4/8/2011	no lasers	4288	2848	na	na	na	na	na	na	na
SPI1-000-1100-A	366629.51	3180788.71	1490.5	28.74761472	-88.36593272	1:59:00 PM	4/19/2011	677.58	4288	2848	0.0384	164.54	109.28	1.80	138382	1.13	0.07
SPI1-000-1100-B	366619.53	3180820.15	1488.6	28.74789739	-88.36603869	2:09:51 PM	4/19/2011	703.48	4288	2848	0.0370	158.48	105.26	1.67	95315	0.78	0.05
SPI1-000-1100-C	366608.92	3180851.5	1486.4	28.74817917	-88.36615097	2:18:49 PM	4/19/2011	672.50	4288	2848	0.0387	165.78	110.11	1.83	87026	0.71	0.05
SPI1-000-1300-A	366622.91	3180985	1482.3	28.74938528	-88.36602344	2:41:33 PM	4/19/2011	673.50	4288	2848	0.0386	165.54	109.95	1.82	0	0.00	0.00
SPI1-000-1300-B	366626.31	3181005.61	1480.2	28.74957164	-88.36599097	2:50:37 PM	4/19/2011	647.61	4288	2848	0.0401	172.15	114.34	1.97	0	0.00	0.00
SPI1-000-1300-C	366630.39	3181058.92	1479.1	28.75005306	-88.3659555	3:01:03 PM	4/19/2011	686.49	4288	2848	0.0379	162.40	107.86	1.75	0	0.00	0.00
SPI1-000-1500-A	366634.56	3181180.58	1474.5	28.75115133	-88.36592711	3:22:39 PM	4/19/2011	693.49	4288	2848	0.0375	160.76	106.78	1.72	0	0.00	0.00
SPI1-000-1500-B	366630.05	3181223.01	1472.7	28.75153375	-88.36597825	3:33:29 PM	4/19/2011	662.51	4288	2848	0.0392	168.28	111.77	1.88	0	0.00	0.00
SPI1-000-1500-C	366639.1	3181267.62	1470.8	28.75193719	-88.36589083	3:43:04 PM	4/19/2011	694.45	4288	2848	0.0374	160.54	106.63	1.71	0	0.00	0.00
SPI1-000-1700-A	366634.98	3181379.82	1468	28.75294922	-88.36594617	4:06:56 PM	4/19/2011	694.49	4288	2848	0.0374	160.53	106.62	1.71	0	0.00	0.00
SPI1-000-1700-B	366628.58	3181428.62	1466.8	28.75338894	-88.36601747	4:20:24 PM	4/19/2011	688.53	4288	2848	0.0378	161.92	107.55	1.74	0	0.00	0.00
SPI1-000-1700-C	366660.32	3181455.05	1465.2	28.75363078	-88.3656955	4:29:10 PM	4/19/2011	701.41	4288	2848	0.0371	158.95	105.57	1.68	0	0.00	0.00
SPI1-000-1900-A	366643.13	3181585.32	1463.2	28.75480444	-88.36588689	4:51:40 PM	4/19/2011	666.51	4288	2848	0.0390	167.27	111.10	1.86	0	0.00	0.00
SPI1-000-1900-B	366651.41	3181626.28	1461.4	28.75517492	-88.36580692	5:02:02 PM	4/19/2011	675.50	4288	2848	0.0385	165.05	109.62	1.81	0	0.00	0.00
SPI1-000-1900-C	366626.64	3181663.85	1460.2	28.75551139	-88.36606492	5:10:18 PM	4/19/2011	679.50	4288	2848	0.0383	164.07	108.97	1.79	0	0.00	0.00
SPI1-000-200-A	366601.11	3179873.69	1514.3	28.73935484	-88.36611612	12:31:27 PM	4/18/2011	680.46	4288	2848	0.0382	163.84	108.82	1.78	1266351	10.37	0.66
SPI1-000-200-B	366596.01	3179901.58	1514.2	28.73960599	-88.36617161	12:36:19 PM	4/18/2011	700.48	4288	2848	0.0371	159.16	105.71	1.68	635603	5.20	0.33
SPI1-000-200-C	366604.11	3179914.41	1514.1	28.7397226	-88.36609018	12:41:49 PM	4/18/2011	692.45	4288	2848	0.0375	161.01	106.94	1.72	1208540	9.90	0.63
SPI1-000-2100-A	366653.77	3181800.27	1457.4	28.75674519	-88.36580311	5:33:05 PM	4/19/2011	693.80	4288	2848	0.0375	160.69	106.73	1.72	0	0.00	0.00
SPI1-000-2100-B	366646.94	3181827.92	1456.2	28.75699406	-88.36587636	5:41:33 PM	4/19/2011	675.50	4288	2848	0.0385	165.05	109.62	1.81	0	0.00	0.00
SPI1-000-2100-C	366641.36	3181874.29	1454.7	28.75741189	-88.36593892	5:53:21 PM	4/19/2011	688.49	4288	2848	0.0378	161.93	107.55	1.74	0	0.00	0.00
SPI1-000-2300-A	366645.6	3181994.16	1451	28.75849397	-88.36590958	6:18:25 PM	4/19/2011	677.54	4288	2848	0.0384	164.55	109.29	1.80	0	0.00	0.00
SPI1-000-2300-B	366641.59	3182023.49	1449.8	28.75875828	-88.36595411	6:29:23 PM	4/19/2011	701.52	4288	2848	0.0371	158.92	105.55	1.68	0	0.00	0.00
SPI1-000-2300-C	366635.95	3182057.75	1448.5	28.75906678	-88.36601586	6:39:24 PM	4/19/2011	706.41	4288	2848	0.0368	157.82	104.82	1.65	0	0.00	0.00
SPI1-000-2500-A	366639.86	3182190.91	1444	28.76026878	-88.36599147	7:06:19 PM	4/19/2011	699.45	4288	2848	0.0372	159.39	105.87	1.69	0	0.00	0.00
SPI1-000-2500-B	366641.22	3182221.43	1442.1	28.76054433	-88.36598111	7:16:25 PM	4/19/2011	691.45	4288	2848	0.0376	161.24	107.09	1.73	0	0.00	0.00
SPI1-000-2500-C	366637.49	3182287.85	1440.8	28.76114331	-88.36602711	7:28:52 PM	4/19/2011	677.50	4288	2848	0.0384	164.56	109.30	1.80	0	0.00	0.00
SPI1-000-2800-A	366640.77	3182496.81	1436.2	28.76302926	-88.36601811	8:04:27 PM	4/19/2011	685.46	4288	2848	0.0379	162.65	108.03	1.76	0	0.00	0.00
SPI1-000-2800-B	366645.21	3182521.54	1434.1	28.76325288	-88.36597555	8:14:07 PM	4/19/2011	667.51	4288	2848	0.0390	167.02	110.93	1.85	0	0.00	0.00
SPI1-000-2800-C	366643.14	3182569.68	1434.9	28.76368707	-88.3660024	8:24:31 PM	4/19/2011	687.45	4288	2848	0.0378	162.18	107.71	1.75	0	0.00	0.00

Preliminary Draft Data

Station	Easting	Northing	Depth (m)	Latitude	Longitude	Time Stamp on Image	Date	Scale (pixels)	Width (pixels)	Height (pixels)	Resolution (cm per pixel)	Width (cm)	Height (cm)	Area (m^2)	Beggiatoa (pixel area)	Beggiatoa (% cover)	Beggiatoa (m^2)
SPI1-000-3100-A	366645.89	3182800.33	1435.3	28.76576869	-88.36600136	9:36:20 PM	4/19/2011	699.48	4288	2848	0.0372	159.39	105.86	1.69	0	0.00	0.00
SPI1-000-3100-B	366661.4	3182826.48	1434.7	28.76600625	-88.36584556	9:46:12 PM	4/19/2011	682.50	4288	2848	0.0381	163.35	108.50	1.77	0	0.00	0.00
SPI1-000-3100-C	366663.59	3182865.2	1434.5	28.76635589	-88.36582775	9:55:32 PM	4/19/2011	685.53	4288	2848	0.0379	162.63	108.02	1.76	0	0.00	0.00
SPI1-000-3400-A	366663.04	3183090.82	1434.2	28.76839175	-88.36585981	10:33:05 PM	4/19/2011	670.50	4288	2848	0.0388	166.28	110.44	1.84	0	0.00	0.00
SPI1-000-3400-B	366670.5	3183117.66	1433.1	28.76863469	-88.36578658	10:42:05 PM	4/19/2011	681.46	4288	2848	0.0382	163.60	108.66	1.78	0	0.00	0.00
SPI1-000-3400-C	366662.22	3183179.01	1433.5	28.76918744	-88.36587861	10:53:18 PM	4/19/2011	689.45	4288	2848	0.0377	161.71	107.40	1.74	0	0.00	0.00
SPI1-000-3700-A	366656.29	3183387.1	1430.9	28.77106461	-88.36596375	11:25:06 PM	4/19/2011	711.40	4288	2848	0.0365	156.72	104.09	1.63	0	0.00	0.00
SPI1-000-3700-B	366651.71	3183424.32	1430.3	28.77139994	-88.36601511	11:35:00 PM	4/19/2011	671.50	4288	2848	0.0387	166.03	110.27	1.83	0	0.00	0.00
SPI1-000-3700-C	366653.68	3183468.51	1429.3	28.77179897	-88.36600008	11:44:19 PM	4/19/2011	690.42	4288	2848	0.0377	161.48	107.25	1.73	0	0.00	0.00
SPI1-000-4000-A	366648.49	3183689.28	1426.9	28.77379056	-88.36607921	12:16:47 AM	4/20/2011	669.54	4288	2848	0.0388	166.51	110.60	1.84	0	0.00	0.00
SPI1-000-4000-B	366640.29	3183725.98	1426.8	28.77412088	-88.3661675	12:24:10 AM	4/20/2011	673.53	4288	2848	0.0386	165.53	109.94	1.82	0	0.00	0.00
SPI1-000-4000-C	366650.34	3183754.29	1427	28.77437738	-88.3660679	12:30:44 AM	4/20/2011	686.46	4288	2848	0.0379	162.41	107.87	1.75	0	0.00	0.00
SPI1-000-4300-A	366673.98	3183985.18	1423.4	28.77646331	-88.36585293	1:10:21 AM	4/20/2011	653.48	4288	2848	0.0398	170.61	113.31	1.93	0	0.00	0.00
SPI1-000-4300-B	366661.4	3184010.8	1421.6	28.77669319	-88.36598478	1:17:25 AM	4/20/2011	670.47	4288	2848	0.0388	166.28	110.44	1.84	0	0.00	0.00
SPI1-000-4300-C	366664.02	3184042.54	1419.6	28.77697988	-88.36596168	1:25:00 AM	4/20/2011	685.46	4288	2848	0.0379	162.65	108.03	1.76	0	0.00	0.00
SPI1-000-4600-A	366652.77	3184293.73	1412.7	28.77924537	-88.36610644	1:56:18 AM	4/20/2011	703.44	4288	2848	0.0370	158.49	105.27	1.67	0	0.00	0.00
SPI1-000-4600-B	366680.1	3184329.15	1411	28.77956782	-88.36583068	2:04:47 AM	4/20/2011	672.50	4288	2848	0.0387	165.78	110.11	1.83	0	0.00	0.00
SPI1-000-4600-C	366660.28	3184373.29	1410.8	28.77996408	-88.36603888	2:12:17 AM	4/20/2011	672.58	4288	2848	0.0387	165.76	110.10	1.82	0	0.00	0.00
SPI1-000-4900-A	366676.77	3184581.57	1415	28.78184524	-88.36589447	2:43:31 AM	4/20/2011	675.50	4288	2848	0.0385	165.05	109.62	1.81	0	0.00	0.00
SPI1-000-4900-B	366671.15	3184604.51	1410.4	28.78205167	-88.36595469	2:55:28 AM	4/20/2011	684.46	4288	2848	0.0380	162.88	108.18	1.76	0	0.00	0.00
SPI1-000-4900-C	366673.23	3184612.89	1410.1	28.78212754	-88.36593443	3:03:41 AM	4/20/2011	659.47	4288	2848	0.0394	169.06	112.28	1.90	0	0.00	0.00
SPI1-000-5200-A	366668.58	3184876.94	1419.7	28.78450972	-88.36601306	3:47:03 AM	4/20/2011	679.54	4288	2848	0.0383	164.06	108.97	1.79	0	0.00	0.00
SPI1-000-5200-B	366663.51	3184923.91	1422.4	28.78493306	-88.36607056	3:55:39 AM	4/20/2011	677.50	4288	2848	0.0384	164.56	109.30	1.80	0	0.00	0.00
SPI1-000-5200-C	366646.3	3184957.06	1423.7	28.78523042	-88.36625075	4:03:23 AM	4/20/2011	673.50	4288	2848	0.0386	165.54	109.95	1.82	0	0.00	0.00
SPI1-000-5500-A	366695.62	3185185.23	1431.3	28.78729444	-88.36577233	4:34:52 AM	4/20/2011	664.55	4288	2848	0.0391	167.76	111.43	1.87	0	0.00	0.00
SPI1-000-5500-B	366664.96	3185230.6	1429.9	28.78770064	-88.36609181	4:44:23 AM	4/20/2011	683.53	4288	2848	0.0380	163.11	108.33	1.77	0	0.00	0.00
SPI1-000-5500-C	366672.3	3185261.94	1428.8	28.78798425	-88.36602028	4:52:41 AM	4/20/2011	683.49	4288	2848	0.0380	163.12	108.34	1.77	0	0.00	0.00
SPI1-000-700-A	366624.06	3180471.23	1500.3	28.74474931	-88.36595128	12:27:03 PM	4/19/2011	694.45	4288	2848	0.0374	160.54	106.63	1.71	88107	0.72	0.05
SPI1-000-700-B	366624.86	3180485.63	1502.7	28.74487931	-88.36594478	12:35:54 PM	4/19/2011	674.50	4288	2848	0.0385	165.29	109.78	1.81	48089	0.39	0.03
SPI1-000-700-C	366628.84	3180468.87	1503.6	28.7447285	-88.36590206	12:42:59 PM	4/19/2011	687.45	4288	2848	0.0378	162.18	107.71	1.75	89856	0.74	0.05
SPI1-000-900-A	366615.47	3180599.58	1497.9	28.74590661	-88.36605433	1:16:48 PM	4/19/2011	676.58	4288	2848	0.0384	164.78	109.44	1.80	548667	4.49	0.29
SPI1-000-900-B	366626.33	3180611.12	1496.4	28.74601181	-88.36594447	1:24:49 PM	4/19/2011	679.58	4288	2848	0.0383	164.05	108.96	1.79	311495	2.55	0.16
SPI1-000-900-C	366624.51	3180655.74	1495.8	28.74641425	-88.36596831	1:34:21 PM	4/19/2011	664.55	4288	2848	0.0391	167.76	111.43	1.87	512231	4.19	0.27
SPI1-000-NF011-A	366574.45	3182717.26	1433.6	28.76501167	-88.36672322	8:55:02 PM	4/19/2011	673.54	4288	2848	0.0386	165.53	109.94	1.82	0	0.00	0.00
SPI1-000-NF011-B	366568.02	3182746.08	1432.9	28.76527103	-88.36679244	9:06:04 PM	4/19/2011	689.45	4288	2848	0.0377	161.71	107.40	1.74	0	0.00	0.00
SPI1-000-NF011-C	366558.4	3182770.13	1432.8	28.76548711	-88.36689381	9:13:58 PM	4/19/2011	684.46	4288	2848	0.0380	162.88	108.18	1.76	0	0.00	0.00
SPI1-045-1100-A	367322.08	3180534.66	1516.7	28.74539367	-88.35881169	7:24:43 PM	4/18/2011	677.50	4288	2848	0.0384	164.56	109.30	1.80	39723	0.33	0.02
SPI1-045-1100-B	367343.7	3180550.6	1515.6	28.74553972	-88.35859217	7:33:08 PM	4/18/2011	676.50	4288	2848	0.0384	164.80	109.46	1.80	37175	0.30	0.02
SPI1-045-1100-C	367367.99	3180580.47	1515.1	28.74581178	-88.358347	7:41:27 PM	4/18/2011	683.49	4288	2848	0.0380	163.12	108.34	1.77	25870	0.21	0.01
SPI1-045-1300-A	367466.3	3180684.93	1515.4	28.74676453	-88.3573525	8:03:26 PM	4/18/2011	700.41	4288	2848	0.0371	159.18	105.72	1.68	0	0.00	0.00
SPI1-045-1300-B	367484.41	3180694.76	1514.8	28.74685511	-88.35716825	8:09:26 PM	4/18/2011	686.49	4288	2848	0.0379	162.40	107.86	1.75	0	0.00	0.00
SPI1-045-1300-C	367511.76	3180727.64	1515	28.74715458	-88.35689208	8:18:23 PM	4/18/2011	697.48	4288	2848	0.0373	159.84	106.17	1.70	0	0.00	0.00
SPI1-045-1500-A	367601.59	3180836.44	1518.8	28.74814558	-88.35598497	8:43:13 PM	4/18/2011	698.45	4288	2848	0.0372	159.62	106.02	1.69	0	0.00	0.00
SPI1-045-1500-B	367619.1	3180850.83	1519.3	28.74827731	-88.35580736	8:49:50 PM	4/18/2011	694.45	4288	2848	0.0374	160.54	106.63	1.71	0	0.00	0.00

Preliminary Draft Data

Station	Easting	Northing	Depth (m)	Latitude	Longitude	Time Stamp on Image	Date	Scale (pixels)	Width (pixels)	Height (pixels)	Resolution (cm per pixel)	Width (cm)	Height (cm)	Area (m^2)	Beggiatoa (pixel area)	Beggiatoa (% cover)	Beggiatoa (m^2)
SPI1-045-1500-C	367645.46	3180876.38	1520.6	28.74851053	-88.35554044	8:58:59 PM	4/18/2011	684.46	4288	2848	0.0380	162.88	108.18	1.76	0	0.00	0.00
SPI1-045-1700-A	367722.64	3180974.33	1524.9	28.74940233	-88.3547615	9:23:28 PM	4/18/2011	711.40	4288	2848	0.0365	156.72	104.09	1.63	0	0.00	0.00
SPI1-045-1700-B	367746.26	3180993.17	1525.7	28.74957481	-88.35452192	9:31:30 PM	4/18/2011	701.45	4288	2848	0.0371	158.94	105.56	1.68	0	0.00	0.00
SPI1-045-1700-C	367779.49	3181018.02	1526.7	28.74980244	-88.3541845	9:40:08 PM	4/18/2011	685.46	4288	2848	0.0379	162.65	108.03	1.76	0	0.00	0.00
SPI1-045-1900-A	367863.17	3181116.86	1528.6	28.75070294	-88.35333911	11:01:19 PM	4/18/2011	684.42	4288	2848	0.0380	162.89	108.19	1.76	0	0.00	0.00
SPI1-045-1900-B	367875.46	3181124.22	1528.5	28.75077058	-88.35321422	11:09:15 PM	4/18/2011	681.50	4288	2848	0.0382	163.59	108.65	1.78	0	0.00	0.00
SPI1-045-1900-C	367913.91	3181156.67	1528.6	28.75106736	-88.35282419	11:31:37 PM	4/18/2011	672.46	4288	2848	0.0387	165.79	110.12	1.83	0	0.00	0.00
SPI1-045-200-A	366721.15	3179900.9	1518.9	28.73961279	-88.36489029	1:05:54 PM	4/18/2011	714.40	4288	2848	0.0364	156.06	103.65	1.62	2905563	23.79	1.52
SPI1-045-200-B	366755.82	3179885.08	1519.5	28.73947362	-88.36453346	1:13:16 PM	4/18/2011	691.45	4288	2848	0.0376	161.24	107.09	1.73	1445263	11.83	0.76
SPI1-045-200-C	366771.58	3179895.99	1519.1	28.7395737	-88.36437338	1:19:15 PM	4/18/2011	705.79	4288	2848	0.0368	157.96	104.92	1.66	1027137	8.41	0.54
SPI1-045-2100-A	368000.35	3181266.21	1530	28.75206467	-88.35195185	11:48:01 PM	4/18/2011	683.46	4288	2848	0.0380	163.12	108.34	1.77	0	0.00	0.00
SPI1-045-2100-B	368020.56	3181285.64	1528.7	28.75224207	-88.35174717	11:56:56 PM	4/18/2011	679.50	4288	2848	0.0383	164.07	108.97	1.79	0	0.00	0.00
SPI1-045-2100-C	368053.23	3181307.33	1527.8	28.75244114	-88.35141515	12:06:12 AM	4/19/2011	658.60	4288	2848	0.0395	169.28	112.43	1.90	0	0.00	0.00
SPI1-045-2300-A	368126.65	3181414.44	1527.5	28.7534152	-88.35067579	12:30:35 AM	4/19/2011	692.49	4288	2848	0.0375	161.00	106.93	1.72	0	0.00	0.00
SPI1-045-2300-B	368149.26	3181439.93	1527.2	28.75364753	-88.35044722	12:38:32 AM	4/19/2011	675.46	4288	2848	0.0385	165.05	109.63	1.81	0	0.00	0.00
SPI1-045-2300-C	368182.47	3181460.3	1526.6	28.75383474	-88.35010952	12:46:29 AM	4/19/2011	649.56	4288	2848	0.0400	171.64	114.00	1.96	0	0.00	0.00
SPI1-045-2500-A	368273.84	3181559.82	1524.7	28.75474213	-88.34918545	1:10:26 AM	4/19/2011	696.49	4288	2848	0.0373	160.07	106.32	1.70	0	0.00	0.00
SPI1-045-2500-B	368305.71	3181586.96	1524.1	28.75499029	-88.34886225	1:18:12 AM	4/19/2011	664.51	4288	2848	0.0391	167.77	111.43	1.87	0	0.00	0.00
SPI1-045-2500-C	368310.89	3181614.53	1523.6	28.75523961	-88.3488124	1:26:06 AM	4/19/2011	680.50	4288	2848	0.0382	163.83	108.81	1.78	0	0.00	0.00
SPI1-045-2800-A	368465.58	3181783.24	1520.2	28.75677781	-88.34724791	2:02:34 AM	4/19/2011	673.46	4288	2848	0.0386	165.55	109.95	1.82	0	0.00	0.00
SPI1-045-2800-B	368498.67	3181815.58	1520	28.75707302	-88.34691281	2:11:31 AM	4/19/2011	694.45	4288	2848	0.0374	160.54	106.63	1.71	0	0.00	0.00
SPI1-045-2800-C	368516.28	3181848.56	1519.3	28.75737242	-88.3467363	2:20:22 AM	4/19/2011	664.51	4288	2848	0.0391	167.77	111.43	1.87	0	0.00	0.00
SPI1-045-300-A	366805.25	3179928.68	1519.1	28.73987216	-88.36403249	1:27:20 PM	4/18/2011	686.49	4288	2848	0.0379	162.40	107.86	1.75	574033	4.70	0.30
SPI1-045-300-B	366815.01	3179960.59	1518.6	28.74016112	-88.3639363	1:34:38 PM	4/18/2011	676.50	4288	2848	0.0384	164.80	109.46	1.80	413176	3.38	0.22
SPI1-045-300-C	366840.37	3179973.24	1517.5	28.74027789	-88.36367813	1:41:36 PM	4/18/2011	714.40	4288	2848	0.0364	156.06	103.65	1.62	158119	1.29	0.08
SPI1-045-3100-A	368714.33	3181993.18	1517.2	28.75869767	-88.34472492	3:28:09 AM	4/19/2011	697.45	4288	2848	0.0373	159.85	106.17	1.70	0	0.00	0.00
SPI1-045-3100-B	368681.82	3182026.24	1516.5	28.75899269	-88.34506169	3:36:12 AM	4/19/2011	677.46	4288	2848	0.0384	164.57	109.30	1.80	0	0.00	0.00
SPI1-045-3100-C	368662.49	3182051.73	1515.9	28.75922069	-88.34526261	3:43:28 AM	4/19/2011	673.46	4288	2848	0.0386	165.55	109.95	1.82	0	0.00	0.00
SPI1-045-3400-A	368853.29	3182194.1	1511.3	28.76052489	-88.34332511	4:29:00 AM	4/19/2011	690.45	4288	2848	0.0377	161.47	107.25	1.73	0	0.00	0.00
SPI1-045-3400-B	368908.16	3182263.61	1514.2	28.76115767	-88.34277128	4:37:32 AM	4/19/2011	675.50	4288	2848	0.0385	165.05	109.62	1.81	0	0.00	0.00
SPI1-045-3400-C	368927.65	3182288.67	1513.7	28.76138578	-88.34257453	4:44:43 AM	4/19/2011	672.46	4288	2848	0.0387	165.79	110.12	1.83	0	0.00	0.00
SPI1-045-3700-A	369076.74	3182443.66	1511.3	28.76279958	-88.34106569	5:18:59 AM	4/19/2011	660.47	4288	2848	0.0394	168.80	112.11	1.89	0	0.00	0.00
SPI1-045-3700-B	369098.72	3182481.11	1510.9	28.76313975	-88.34084489	5:26:11 AM	4/19/2011	672.50	4288	2848	0.0387	165.78	110.11	1.83	0	0.00	0.00
SPI1-045-3700-C	369117.43	3182508.55	1510.2	28.76338931	-88.34065644	5:34:25 AM	4/19/2011	685.53	4288	2848	0.0379	162.63	108.02	1.76	0	0.00	0.00
SPI1-045-4000-A	369266.3	3182668.13	1506.4	28.76484444	-88.33915028	6:08:18 AM	4/19/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-045-4000-B	369308.54	3182703.64	1505.1	28.76516911	-88.33872178	6:17:05 AM	4/19/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-045-4000-C	369340.48	3182729.25	1503.2	28.76540344	-88.33839759	6:25:55 AM	4/19/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-045-400-A	366859.7	3180017.09	1518.2	28.74067558	-88.36348536	1:50:08 PM	4/18/2011	700.48	4288	2848	0.0371	159.16	105.71	1.68	63184	0.52	0.03
SPI1-045-400-B	366878.48	3180034.26	1516.8	28.74083246	-88.36329509	1:57:16 PM	4/18/2011	695.45	4288	2848	0.0374	160.31	106.47	1.71	383886	3.14	0.20
SPI1-045-400-C	366915.45	3180070.14	1517.4	28.74116004	-88.36292077	2:05:41 PM	4/18/2011	688.45	4288	2848	0.0378	161.94	107.56	1.74	257724	2.11	0.14
SPI1-045-4300-A	369468.65	3182910.14	1494.6	28.76704878	-88.33710581	7:00:15 AM	4/19/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-045-4300-B	369496.6	3182927.42	1491.2	28.7672075	-88.33682161	7:08:07 AM	4/19/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-045-4300-C	369527.12	3182966.79	1487.9	28.76756594	-88.3365135	7:16:05 AM	4/19/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-045-4600-A	369672.73	3183124.4	1455.4	28.76900289	-88.33504036	7:59:07 AM	4/19/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-045-4600-C	369693.28	3183187.34	1444.4	28.76957289	-88.33483714	8:08:08 AM	4/19/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-045-4900-A	369871.25	3183331.71	1415.5	28.77089369	-88.333031	8:43:19 AM	4/19/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-045-4900-B	369891.9	3183357.04	1412.9	28.77112436	-88.33282244	8:50:32 AM	4/19/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-045-4900-C	369926.96	3183390.55	1409.1	28.77143028	-88.33246725	8:59:01 AM	4/19/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-045-500-A	366967	3180076.57	1519.4	28.74122339	-88.36239373	4:29:41 PM	4/18/2011	700.45	4288	2848	0.0371	159.17	105.71	1.68	564163	4.62	0.30
SPI1-045-500-B	366978.88	3180089.98	1518.9	28.74134562	-88.36227366	4:36:25 PM	4/18/2011	683.46	4288	2848	0.0380	163.12	108.34	1.77	412945	3.38	0.22

Preliminary Draft Data

Station	Easting	Northing	Depth (m)	Latitude	Longitude	Time Stamp on Image	Date	Scale (pixels)	Width (pixels)	Height (pixels)	Resolution (cm per pixel)	Width (cm)	Height (cm)	Area (m^2)	Beggiatoa (pixel area)	Beggiatoa (% cover)	Beggiatoa (m^2)
SPI1-045-500-C	366975.18	3180114.46	1518.1	28.74156614	-88.36231441	4:43:16 PM	4/18/2011	701.45	4288	2848	0.0371	158.94	105.56	1.68	144575	1.18	0.08
SPI1-045-5200-A	370077.96	3183551.53	1360.5	28.77289822	-88.33093919	9:34:15 AM	4/19/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-045-5200-B	370063.75	3183599.23	1354.1	28.77332719	-88.33109014	9:40:48 AM	4/19/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-045-5200-C	370100.71	3183606.73	1348.8	28.77339864	-88.33071247	9:47:06 AM	4/19/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-045-700-A	367051.58	3180246.67	1516.2	28.74276705	-88.36154765	5:57:19 PM	4/18/2011	719.40	4288	2848	0.0361	154.97	102.93	1.60	223769	1.83	0.12
SPI1-045-700-B	367076.74	3180261.15	1516.4	28.74290031	-88.36129173	6:04:08 PM	4/18/2011	711.44	4288	2848	0.0365	156.71	104.08	1.63	157319	1.29	0.08
SPI1-045-700-C	367099.39	3180283.81	1516.7	28.74310713	-88.36106247	6:11:27 PM	4/18/2011	705.44	4288	2848	0.0369	158.04	104.97	1.66	50850	0.42	0.03
SPI1-045-900-A	367177.24	3180387.15	1516.1	28.74404767	-88.36027746	6:37:07 PM	4/18/2011	689.45	4288	2848	0.0377	161.71	107.40	1.74	31344	0.26	0.02
SPI1-045-900-B	367201.33	3180411.72	1516.3	28.74427186	-88.36003368	6:44:38 PM	4/18/2011	698.41	4288	2848	0.0372	159.63	106.02	1.69	141384	1.16	0.07
SPI1-045-900-C	367217.24	3180435.19	1517.2	28.74448529	-88.35987352	6:52:28 PM	4/18/2011	697.41	4288	2848	0.0373	159.86	106.18	1.70	110129	0.90	0.06
SPI1-090-1100-A	367686.28	3179727.08	1547.2	28.73814369	-88.35498856	5:18:10 PM	4/11/2011	354.40	4288	2848	0.0734	314.58	208.94	6.57	0	0.00	0.00
SPI1-090-1100-B	367715.18	3179750.24	1547.5	28.73835561	-88.35469536	5:24:12 PM	4/11/2011	362.19	4288	2848	0.0718	307.82	204.45	6.29	0	0.00	0.00
SPI1-090-1100-C	367749.85	3179751.17	1548	28.73836764	-88.3543405	5:29:43 PM	4/11/2011	355.26	4288	2848	0.0732	313.82	208.43	6.54	0	0.00	0.00
SPI1-090-1300-A	367886.77	3179753.88	1549.5	28.73840608	-88.352939	5:49:28 PM	4/11/2011	349.31	4288	2848	0.0744	319.17	211.98	6.77	0	0.00	0.00
SPI1-090-1300-B	367908.89	3179754.43	1549.6	28.73841331	-88.35271256	5:54:14 PM	4/11/2011	360.21	4288	2848	0.0722	309.51	205.57	6.36	0	0.00	0.00
SPI1-090-1300-C	367953.43	3179761.35	1549.8	28.73848036	-88.35225742	5:59:31 PM	4/11/2011	355.12	4288	2848	0.0732	313.94	208.52	6.55	0	0.00	0.00
SPI1-090-1500-A	368096.1	3179740.17	1552.1	28.73830381	-88.35079419	6:20:14 PM	4/11/2011	356.12	4288	2848	0.0730	313.06	207.93	6.51	0	0.00	0.00
SPI1-090-1500-B	368128.57	3179734.37	1552.1	28.73825478	-88.35046111	6:25:04 PM	4/11/2011	354.13	4288	2848	0.0734	314.82	209.10	6.58	0	0.00	0.00
SPI1-090-1500-C	368161.43	3179741.87	1551.9	28.73832586	-88.3501255	6:30:05 PM	4/11/2011	364.18	4288	2848	0.0714	306.13	203.33	6.22	0	0.00	0.00
SPI1-090-1700-A	368284.59	3179729.26	1552.4	28.73822467	-88.34886314	6:47:46 PM	4/11/2011	361.20	4288	2848	0.0720	308.66	205.01	6.33	0	0.00	0.00
SPI1-090-1700-B	368310.62	3179728.17	1551.6	28.73821747	-88.34859647	6:52:38 PM	4/11/2011	361.20	4288	2848	0.0720	308.66	205.01	6.33	0	0.00	0.00
SPI1-090-1700-C	368332.36	3179748.7	1552.3	28.73840489	-88.34837622	6:57:35 PM	4/11/2011	353.14	4288	2848	0.0736	315.70	209.68	6.62	0	0.00	0.00
SPI1-090-1900-A	368516.33	3179736.3	1551.6	28.73831178	-88.34649128	8:13:25 PM	4/11/2011	368.01	4288	2848	0.0707	302.95	201.21	6.10	0	0.00	0.00
SPI1-090-1900-B	368534.13	3179720.56	1551.9	28.73817161	-88.34630719	8:20:15 PM	4/11/2011	364.18	4288	2848	0.0714	306.13	203.33	6.22	0	0.00	0.00
SPI1-090-1900-C	368542.77	3179716.54	1552.4	28.73813619	-88.34621831	8:25:45 PM	4/11/2011	357.24	4288	2848	0.0728	312.08	207.28	6.47	0	0.00	0.00
SPI1-090-200-A	366796.18	3179714.92	1517.3	28.73794228	-88.36410031	2:40:17 PM	4/11/2011	355.12	4288	2848	0.0732	313.94	208.52	6.55	594170	4.87	0.31
SPI1-090-200-B	366780.92	3179699.35	1517	28.73780019	-88.36425475	2:45:27 PM	4/11/2011	no lasers	4288	2848	na	na	na	na	na	na	na
SPI1-090-200-C	366817.1	3179721.26	1518.7	28.73800172	-88.36388681	2:51:25 PM	4/11/2011	no lasers	4288	2848	na	na	na	na	na	na	na
SPI1-090-2100-A	368694.68	3179712.52	1553.8	28.73811536	-88.34466247	8:51:21 PM	4/11/2011	358.10	4288	2848	0.0726	311.33	206.78	6.44	0	0.00	0.00
SPI1-090-2100-B	368727.74	3179701.08	1553.6	28.73801556	-88.34432272	8:57:07 PM	4/11/2011	357.38	4288	2848	0.0728	311.96	207.20	6.46	0	0.00	0.00
SPI1-090-2100-C	368760.2	3179703.64	1553.4	28.73804192	-88.34399064	9:04:09 PM	4/11/2011	356.98	4288	2848	0.0728	312.31	207.43	6.48	0	0.00	0.00
SPI1-090-2300-A	368897.23	3179696.32	1554.3	28.73798981	-88.34258683	9:25:51 PM	4/11/2011	362.06	4288	2848	0.0718	307.93	204.52	6.30	0	0.00	0.00
SPI1-090-2300-B	368910.21	3179701.4	1554	28.73803694	-88.3424545	9:30:36 PM	4/11/2011	361.07	4288	2848	0.0720	308.77	205.08	6.33	0	0.00	0.00
SPI1-090-2300-C	368934.02	3179704.37	1553.6	28.73806619	-88.34221106	9:35:31 PM	4/11/2011	361.07	4288	2848	0.0720	308.77	205.08	6.33	0	0.00	0.00
SPI1-090-2500-A	369083.29	3179701.58	1553.1	28.73805617	-88.34068244	9:58:59 PM	4/11/2011	355.26	4288	2848	0.0732	313.82	208.43	6.54	0	0.00	0.00
SPI1-090-2500-B	369118.76	3179710.04	1552.5	28.73813617	-88.34032025	10:03:28 PM	4/11/2011	365.04	4288	2848	0.0712	305.41	202.85	6.20	0	0.00	0.00
SPI1-090-2500-C	369137.97	3179705.72	1552.7	28.73809911	-88.34012311	10:08:04 PM	4/11/2011	355.26	4288	2848	0.0732	313.82	208.43	6.54	0	0.00	0.00
SPI1-090-2800-A	369400.51	3179692.91	1551.3	28.73801011	-88.33743364	10:45:19 PM	4/11/2011	352.15	4288	2848	0.0738	316.59	210.27	6.66	0	0.00	0.00
SPI1-090-2800-B	369418.66	3179694.73	1551.1	28.73802842	-88.337248	10:50:19 PM	4/11/2011	353.01	4288	2848	0.0737	315.82	209.76	6.62	0	0.00	0.00
SPI1-090-2800-C	369433.59	3179690.82	1550.6	28.73799467	-88.33709469	10:55:28 PM	4/11/2011	356.25	4288	2848	0.0730	312.95	207.85	6.50	0	0.00	0.00
SPI1-090-300-A	366864.92	3179729.28	1520.3	28.73807897	-88.36339822	3:01:01 PM	4/11/2011	361.07	4288	2848	0.0720	308.77	205.08	6.33	844481	6.92	0.44
SPI1-090-300-B	366893.68	3179732.02	1521	28.73810669	-88.36310408	3:06:44 PM	4/11/2011	358.37	4288	2848	0.0726	311.10	206.62	6.43	347965	2.85	0.18
SPI1-090-300-C	366942.16	3179731.52	1522.4	28.73810714	-88.36260764	3:16:24 PM	4/11/2011	361.94	4288	2848	0.0718	308.03	204.59	6.30	468416	3.84	0.25
SPI1-090-3100-A	369677.6	3179677.65	1549.5	28.7379005	-88.33459494	11:31:56 PM	4/11/2011	360.94	4288	2848	0.0720	308.88	205.15	6.34	0	0.00	0.00
SPI1-090-3100-B	369704.16	3179687.08	1549.7	28.73798825	-88.33432406	11:37:44 PM	4/11/2011	354.99	4288	2848	0.0732	314.06	208.59	6.55	0	0.00	0.00
SPI1-090-3100-C	369726.46	3179682.33	1549.9	28.73794767	-88.33409522	11:43:24 PM	4/11/2011	364.18	4288	2848	0.0714	306.13	203.33	6.22	0	0.00	0.00
SPI1-090-3400-A	369970.99	3179695.43	1548	28.73809053	-88.33159314	12:22:15 AM	4/12/2011	354.13	4288	2848	0.0734	314.82	209.10	6.58	0	0.00	0.00
SPI1-090-3400-B	369990.95	3179696.23	1548	28.73809975	-88.33138881	12:29:30 AM	4/12/2011	352.02	4288	2848	0.0739	316.71	210.35	6.66	0	0.00	0.00
SPI1-090-3400-C	370016.13	3179662.32	1547.4	28.73779631	-88.33112719	12:35:26 AM	4/12/2011	353.41	4288	2848	0.0736	315.46	209.52	6.61	0	0.00	0.00
SPI1-090-3700-A	370269.98	3179661.73	1544.6	28.73781653	-88.32852806	1:13:53 AM	4/12/2011	350.30	4288	2848	0.0742	318.26	211.38	6.73	0	0.00	0.00
SPI1-090-3700-B	370297.93	3179675.54	1544.7	28.73794397	-88.32824344	1:19:53 AM	4/12/2011	356.25	4288	2848	0.0730	312.95	207.85	6.50	0	0.00	0.00

Preliminary Draft Data

Station	Easting	Northing	Depth (m)	Latitude	Longitude	Time Stamp on Image	Date	Scale (pixels)	Width (pixels)	Height (pixels)	Resolution (cm per pixel)	Width (cm)	Height (cm)	Area (m^2)	Beggiatoa (pixel area)	Beggiatoa (% cover)	Beggiatoa (m^2)
SPI1-090-3700-C	370337.26	3179681.83	1544.6	28.73800469	-88.32784153	1:25:57 AM	4/12/2011	353.01	4288	2848	0.0737	315.82	209.76	6.62	0	0.00	0.00
SPI1-090-4000-A	370587.08	3179687.25	1541.1	28.73807872	-88.32528439	2:10:37 AM	4/12/2011	354.27	4288	2848	0.0734	314.70	209.02	6.58	0	0.00	0.00
SPI1-090-4000-B	370602.58	3179684.46	1540.8	28.73805506	-88.32512531	2:18:59 AM	4/12/2011	357.11	4288	2848	0.0728	312.20	207.35	6.47	0	0.00	0.00
SPI1-090-4000-C	370623.38	3179677.64	1539.5	28.73799564	-88.32491161	2:25:55 AM	4/12/2011	349.31	4288	2848	0.0744	319.17	211.98	6.77	0	0.00	0.00
SPI1-090-400-A	366990.89	3179734.88	1523.8	28.73814253	-88.36210914	3:23:42 PM	4/11/2011	350.30	4288	2848	0.0742	318.26	211.38	6.73	682084	5.59	0.36
SPI1-090-400-B	367013.34	3179720.54	1523.8	28.73801547	-88.36187756	3:30:00 PM	4/11/2011	354.13	4288	2848	0.0734	314.82	209.10	6.58	426749	3.49	0.22
SPI1-090-400-C	367041.29	3179726.42	1524.7	28.73807139	-88.36159208	3:35:31 PM	4/11/2011	357.38	4288	2848	0.0728	311.96	207.20	6.46	1128235	9.24	0.59
SPI1-090-4300-A	370867.78	3179687.84	1535	28.73811219	-88.3224105	3:10:27 AM	4/12/2011	363.06	4288	2848	0.0716	307.08	203.96	6.26	0	0.00	0.00
SPI1-090-4300-B	370891.48	3179682.42	1534.7	28.73806564	-88.32216725	3:18:17 AM	4/12/2011	358.23	4288	2848	0.0726	311.22	206.71	6.43	0	0.00	0.00
SPI1-090-4300-C	370928.86	3179675.68	1535	28.73800853	-88.32178375	3:25:15 AM	4/12/2011	360.21	4288	2848	0.0722	309.51	205.57	6.36	0	0.00	0.00
SPI1-090-4600-A	371172.22	3179669.22	1527.4	28.73797461	-88.31929133	4:13:03 AM	4/12/2011	354.13	4288	2848	0.0734	314.82	209.10	6.58	0	0.00	0.00
SPI1-090-4600-B	371185.07	3179661.88	1529.8	28.73790969	-88.31915897	4:19:33 AM	4/12/2011	354.40	4288	2848	0.0734	314.58	208.94	6.57	0	0.00	0.00
SPI1-090-4600-C	371226.13	3179677.86	1529	28.73805797	-88.31874033	4:27:12 AM	4/12/2011	359.09	4288	2848	0.0724	310.47	206.21	6.40	0	0.00	0.00
SPI1-090-4900-A	371514.26	3179668.04	1533.7	28.73799808	-88.31578928	6:17:03 AM	4/21/2011	710.48	4288	2848	0.0366	156.92	104.22	1.64	0	0.00	0.00
SPI1-090-4900-B	371522.38	3179667.98	1533.4	28.73799836	-88.31570614	6:22:49 AM	4/21/2011	no lasers	4288	2848	na	na	na	na	na	na	na
SPI1-090-4900-C	371502.18	3179679.39	1533.6	28.73809933	-88.31591422	6:38:45 AM	4/21/2011	697.48	4288	2848	0.0373	159.84	106.17	1.70	0	0.00	0.00
SPI1-090-500-A	367085.18	3179734.81	1525.6	28.73815161	-88.36114375	3:43:00 PM	4/11/2011	360.35	4288	2848	0.0722	309.39	205.49	6.36	796229	6.52	0.42
SPI1-090-500-B	367120.24	3179731.66	1525.8	28.73812681	-88.36078442	3:49:07 PM	4/11/2011	357.24	4288	2848	0.0728	312.08	207.28	6.47	177539	1.45	0.09
SPI1-090-500-C	367141.55	3179729.35	1526.7	28.73810819	-88.36056594	3:54:11 PM	4/11/2011	352.29	4288	2848	0.0738	316.47	210.19	6.65	233836	1.91	0.12
SPI1-090-5200-A	371784.82	3179650.61	1524.5	28.73786769	-88.31301714	7:10:51 AM	4/21/2011	676.50	4288	2848	0.0384	164.80	109.46	1.80	0	0.00	0.00
SPI1-090-5200-B	371849.17	3179667.51	1523.9	28.73802664	-88.31236019	7:18:45 AM	4/21/2011	717.47	4288	2848	0.0362	155.39	103.21	1.60	0	0.00	0.00
SPI1-090-5200-C	371858.73	3179738.43	1524.7	28.73866753	-88.31227031	7:24:52 AM	4/21/2011	666.63	4288	2848	0.0390	167.24	111.08	1.86	0	0.00	0.00
SPI1-090-5500-A	372105.28	3179659.08	1517.9	28.73797603	-88.30973708	8:06:41 AM	4/21/2011	663.55	4288	2848	0.0392	168.02	111.59	1.87	0	0.00	0.00
SPI1-090-5500-B	372124.26	3179644.66	1515.4	28.73784778	-88.30954114	8:12:23 AM	4/21/2011	683.53	4288	2848	0.0380	163.11	108.33	1.77	0	0.00	0.00
SPI1-090-5500-C	372126.98	3179650.62	1514.2	28.73790183	-88.30951397	8:18:24 AM	4/21/2011	679.62	4288	2848	0.0383	164.04	108.96	1.79	0	0.00	0.00
SPI1-090-700-A	367284.67	3179744.68	1532.3	28.73826125	-88.35910244	4:14:21 PM	4/11/2011	360.21	4288	2848	0.0722	309.51	205.57	6.36	206731	1.69	0.11
SPI1-090-700-B	367316.57	3179741.71	1533.4	28.73823772	-88.3587755	4:19:58 PM	4/11/2011	373.10	4288	2848	0.0697	298.82	198.47	5.93	146550	1.20	0.08
SPI1-090-700-C	367331.47	3179723.42	1533.6	28.73807419	-88.35862086	4:24:19 PM	4/11/2011	364.05	4288	2848	0.0714	306.24	203.40	6.23	151960	1.24	0.08
SPI1-090-900-A	367474.78	3179735.07	1540.5	28.73819406	-88.35715494	4:45:25 PM	4/11/2011	360.35	4288	2848	0.0722	309.39	205.49	6.36	61055	0.50	0.03
SPI1-090-900-B	367512.1	3179718.96	1541.4	28.73805253	-88.35677097	4:51:02 PM	4/11/2011	359.22	4288	2848	0.0724	310.36	206.14	6.40	73647	0.60	0.04
SPI1-090-900-C	367555.02	3179743.02	1543.1	28.73827406	-88.35633428	4:56:52 PM	4/11/2011	362.19	4288	2848	0.0718	307.82	204.45	6.29	47610	0.39	0.02
SPI1-135-1100-A	367324.5	3178925.36	1567.5	28.73087197	-88.35859903	8:01:18 PM	4/10/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-135-1100-B	367353.23	3178904.33	1568.1	28.73068519	-88.35830244	8:06:46 PM	4/10/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-135-1100-C	367358.71	3178886.92	1568.6	28.73052861	-88.35824428	8:11:48 PM	4/10/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-135-1300-A	367457.21	3178765.07	1570.6	28.72943919	-88.35722164	8:33:05 PM	4/10/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-135-1300-B	367462.78	3178765.01	1570.6	28.72943922	-88.35716464	8:39:08 PM	4/10/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-135-1300-C	367503.03	3178735.71	1570.9	28.72917894	-88.35674917	8:45:11 PM	4/10/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-135-1500-A	367588.43	3178611.31	1572.4	28.72806514	-88.35586042	9:07:19 PM	4/10/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-135-1500-B	367616.96	3178581.19	1549.4	28.72779633	-88.35556483	9:13:04 PM	4/10/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-135-1500-C	367628.2	3178576.52	1572.7	28.72775528	-88.35544925	9:21:19 PM	4/10/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-135-1700-A	367700.62	3178490.29	1574.7	28.72698467	-88.35469778	9:40:18 PM	4/10/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-135-1700-B	367734.72	3178462.94	1575.3	28.72674136	-88.35434556	9:45:56 PM	4/10/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-135-1700-C	367755.32	3178440.7	1575.7	28.72654275	-88.35413206	9:51:13 PM	4/10/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-135-1900-A	367849.52	3178313.91	1576.5	28.72540825	-88.353153	11:21:51 PM	4/10/2011	350.17	4288	2848	0.0742	318.38	211.46	6.73	0	0.00	0.00
SPI1-135-1900-B	367886.96	3178338.87	1575.4	28.72563733	-88.35277261	11:29:00 PM	4/10/2011	362.06	4288	2848	0.0718	307.93	204.52	6.30	0	0.00	0.00
SPI1-135-1900-C	367884.97	3178272.68	1566.9	28.72503981	-88.35278525	11:37:22 PM	4/10/2011	366.90	4288	2848	0.0709	303.86	201.82	6.13	0	0.00	0.00
SPI1-135-200-A	366762.04	3179611.51	1522.6	28.73700564	-88.36443772	4:59:27 PM	4/10/2011	362.19	4288	2848	0.0718	307.82	204.45	6.29	761555	6.24	0.40
SPI1-135-200-B	366749.67	3179607.86	1522.2	28.73697144	-88.36456397	5:09:42 PM	4/10/2011	363.92	4288	2848	0.0714	306.35	203.47	6.23	1109096	9.08	0.58
SPI1-135-200-C	366749.95	3179585.29	1523.4	28.73676781	-88.36455844	5:15:48 PM	4/10/2011	363.04	4288	2848	0.0716	307.10	203.97	6.26	732974	6.00	0.38
SPI1-135-2100-A	367994.89	3178148.87	1576.7	28.72393386	-88.35164563	12:31:06 AM	4/11/2011	357.38	4288	2848	0.0728	311.96	207.20	6.46	0	0.00	0.00
SPI1-135-2100-B	367992.38	3178183.06	1577	28.72424213	-88.3516753	12:38:14 AM	4/11/2011	354.99	4288	2848	0.0732	314.06	208.59	6.55	0	0.00	0.00

Preliminary Draft Data

Station	Easting	Northing	Depth (m)	Latitude	Longitude	Time Stamp on Image	Date	Scale (pixels)	Width (pixels)	Height (pixels)	Resolution (cm per pixel)	Width (cm)	Height (cm)	Area (m^2)	Beggiatoa (pixel area)	Beggiatoa (% cover)	Beggiatoa (m^2)
SPI1-135-2100-C	368034.26	3178143.19	1577.3	28.72388664	-88.35124194	12:44:43 AM	4/11/2011	356.98	4288	2848	0.0728	312.31	207.43	6.48	0	0.00	0.00
SPI1-135-2300-A	368128.37	3177994.75	1578	28.72255676	-88.35026133	1:16:44 AM	4/11/2011	358.10	4288	2848	0.0726	311.33	206.78	6.44	0	0.00	0.00
SPI1-135-2300-B	368133.25	3177988.21	1579.2	28.72249825	-88.35021061	1:23:53 AM	4/11/2011	351.89	4288	2848	0.0739	316.83	210.43	6.67	0	0.00	0.00
SPI1-135-2300-C	368136.19	3177974.52	1579.2	28.72237501	-88.35017893	1:30:20 AM	4/11/2011	356.25	4288	2848	0.0730	312.95	207.85	6.50	0	0.00	0.00
SPI1-135-2500-A	368258.53	3177828.18	1575	28.72106696	-88.3489096	2:00:57 AM	4/11/2011	351.03	4288	2848	0.0741	317.60	210.94	6.70	0	0.00	0.00
SPI1-135-2500-B	368269.13	3177821.45	1575	28.72100731	-88.34880031	2:08:45 AM	4/11/2011	354.13	4288	2848	0.0734	314.82	209.10	6.58	0	0.00	0.00
SPI1-135-2500-C	368252.72	3177860.09	1575	28.72135432	-88.34897277	2:16:20 AM	4/11/2011	352.88	4288	2848	0.0737	315.94	209.84	6.63	0	0.00	0.00
SPI1-135-2800-A	368428.69	3177661.06	1566.1	28.71957626	-88.34714838	2:59:49 AM	4/11/2011	356.25	4288	2848	0.0730	312.95	207.85	6.50	0	0.00	0.00
SPI1-135-2800-B	368402.8	3177634.81	1548.3	28.71933675	-88.34741037	3:07:20 AM	4/11/2011	355.39	4288	2848	0.0732	313.71	208.36	6.54	0	0.00	0.00
SPI1-135-2800-C	368444.45	3177637.47	1559.1	28.719365	-88.34698433	3:14:00 AM	4/11/2011	359.95	4288	2848	0.0722	309.73	205.72	6.37	0	0.00	0.00
SPI1-135-300-A	366813.41	3179498.39	1529.4	28.73599019	-88.36389847	5:34:39 PM	4/10/2011	357.97	4288	2848	0.0726	311.45	206.86	6.44	1378724	11.29	0.72
SPI1-135-300-B	366817.2	3179495.38	1530.1	28.73596336	-88.36385939	5:39:47 PM	4/10/2011	363.67	4288	2848	0.0715	306.56	203.61	6.24	1404385	11.50	0.74
SPI1-135-300-C	366829.08	3179485.96	1531.1	28.73587967	-88.36373661	5:45:26 PM	4/10/2011	358.96	4288	2848	0.0724	310.59	206.28	6.41	593098	4.86	0.31
SPI1-135-3100-A	368610.75	3177405.41	1571	28.71728783	-88.34525517	3:57:32 AM	4/11/2011	353.28	4288	2848	0.0736	315.58	209.60	6.61	0	0.00	0.00
SPI1-135-3100-B	368612.1	3177396.66	1570	28.71720908	-88.34524033	4:06:44 AM	4/11/2011	357.11	4288	2848	0.0728	312.20	207.35	6.47	0	0.00	0.00
SPI1-135-3100-C	368647.14	3177369.64	1570	28.71696875	-88.34487856	4:14:13 AM	4/11/2011	359.82	4288	2848	0.0723	309.84	205.79	6.38	0	0.00	0.00
SPI1-135-3400-A	368790.27	3177189.57	1553	28.71535839	-88.34339264	4:51:19 AM	4/11/2011	352.02	4288	2848	0.0739	316.71	210.35	6.66	0	0.00	0.00
SPI1-135-3400-B	368823.59	3177161.06	1553	28.71510453	-88.34304831	4:58:14 AM	4/11/2011	358.10	4288	2848	0.0726	311.33	206.78	6.44	0	0.00	0.00
SPI1-135-3400-C	368839.58	3177140.22	1548	28.71491807	-88.3428822	5:07:46 AM	4/11/2011	355.12	4288	2848	0.0732	313.94	208.52	6.55	0	0.00	0.00
SPI1-135-3700-A	369004.04	3176951.26	1518	28.71322966	-88.34117702	5:47:03 AM	4/11/2011	344.95	4288	2848	0.0754	323.20	214.66	6.94	0	0.00	0.00
SPI1-135-3700-B	369022.25	3176935.05	1522	28.71308523	-88.34098875	5:53:55 AM	4/11/2011	357.72	4288	2848	0.0727	311.66	207.00	6.45	0	0.00	0.00
SPI1-135-3700-C	369037.56	3176914.69	1519	28.71290306	-88.3408297	6:01:15 AM	4/11/2011	360.08	4288	2848	0.0722	309.62	205.64	6.37	0	0.00	0.00
SPI1-135-4000-A	369201.38	3176724.38	1486	28.71120234	-88.33913096	6:43:00 AM	4/11/2011	350.90	4288	2848	0.0741	317.72	211.02	6.70	0	0.00	0.00
SPI1-135-4000-B	369218.41	3176706.61	1485	28.71104371	-88.3389546	6:51:42 AM	4/11/2011	359.82	4288	2848	0.0723	309.84	205.79	6.38	0	0.00	0.00
SPI1-135-4000-C	369235.5	3176687.39	1484	28.710872	-88.33877747	6:59:14 AM	4/11/2011	358.96	4288	2848	0.0724	310.59	206.28	6.41	0	0.00	0.00
SPI1-135-400-A	366855.5	3179454.87	1533.7	28.73560181	-88.36346253	5:53:57 PM	4/10/2011	364.31	4288	2848	0.0714	306.03	203.26	6.22	830897	6.80	0.44
SPI1-135-400-B	366879.49	3179434.58	1535.6	28.73542117	-88.36321453	6:01:51 PM	4/10/2011	363.46	4288	2848	0.0715	306.74	203.73	6.25	1399064	11.46	0.73
SPI1-135-400-C	366897.54	3179415.06	1537.5	28.73524692	-88.36302742	6:07:59 PM	4/10/2011	371.52	4288	2848	0.0700	300.09	199.31	5.98	562205	4.60	0.29
SPI1-135-4300-A	369393.13	3176498.68	1473	28.70918507	-88.33714234	7:42:41 AM	4/11/2011	352.42	4288	2848	0.0738	316.35	210.11	6.65	0	0.00	0.00
SPI1-135-4300-B	369409.38	3176480.78	1471	28.70902518	-88.33697396	7:52:10 AM	4/11/2011	357.24	4288	2848	0.0728	312.08	207.28	6.47	0	0.00	0.00
SPI1-135-4300-C	369425.55	3176461.88	1469	28.70885627	-88.33680628	8:01:21 AM	4/11/2011	346.80	4288	2848	0.0750	321.48	213.52	6.86	0	0.00	0.00
SPI1-135-4600-A	369595.7	3176270.29	1461	28.70714456	-88.33504278	9:08:01 AM	4/11/2011	359.95	4288	2848	0.0722	309.73	205.72	6.37	0	0.00	0.00
SPI1-135-4600-B	369608.01	3176250.41	1461	28.70696639	-88.33491447	9:15:06 AM	4/11/2011	356.98	4288	2848	0.0728	312.31	207.43	6.48	0	0.00	0.00
SPI1-135-4600-C	369624.6	3176232.66	1462	28.70680789	-88.33474261	9:22:35 AM	4/11/2011	356.98	4288	2848	0.0728	312.31	207.43	6.48	0	0.00	0.00
SPI1-135-4900-A	369785.71	3176041.18	1470	28.70509631	-88.33307167	10:11:45 AM	4/11/2011	348.60	4288	2848	0.0746	319.82	212.42	6.79	0	0.00	0.00
SPI1-135-4900-B	369802.26	3176022.82	1470	28.70493225	-88.33290017	10:19:31 AM	4/11/2011	360.35	4288	2848	0.0722	309.39	205.49	6.36	0	0.00	0.00
SPI1-135-4900-C	369818.13	3176005.73	1470	28.70477966	-88.33273581	10:27:14 AM	4/11/2011	361.81	4288	2848	0.0719	308.14	204.66	6.31	0	0.00	0.00
SPI1-135-500-A	366926.48	3179378.44	1541.4	28.73491947	-88.36272689	6:17:45 PM	4/10/2011	367.28	4288	2848	0.0708	303.55	201.61	6.12	31142	0.26	0.02
SPI1-135-500-B	366945.47	3179362.86	1543.5	28.73478081	-88.36253061	6:23:21 PM	4/10/2011	373.23	4288	2848	0.0697	298.71	198.40	5.93	39377	0.32	0.02
SPI1-135-500-C	366961.69	3179344.53	1545.5	28.73461706	-88.36236236	6:28:32 PM	4/10/2011	367.15	4288	2848	0.0708	303.66	201.68	6.12	187000	1.53	0.10
SPI1-135-5200-A	369978.39	3175816.56	1486	28.70308876	-88.33107391	11:14:44 AM	4/11/2011	355.39	4288	2848	0.0732	313.71	208.36	6.54	0	0.00	0.00
SPI1-135-5200-B	369996.96	3175797.65	1486	28.70291998	-88.33088168	11:21:38 AM	4/11/2011	357.97	4288	2848	0.0726	311.45	206.86	6.44	0	0.00	0.00
SPI1-135-5200-C	370013.29	3175778.93	1486	28.7027527	-88.33071241	11:29:01 AM	4/11/2011	355.12	4288	2848	0.0732	313.94	208.52	6.55	0	0.00	0.00
SPI1-135-5500-A	370209.68	3175562.87	1502.5	28.70082278	-88.32867772	12:12:03 PM	4/11/2011	354.99	4288	2848	0.0732	314.06	208.59	6.55	0	0.00	0.00
SPI1-135-5500-B	370232.81	3175542.51	1496.4	28.70064131	-88.32843864	12:16:19 PM	4/11/2011	350.30	4288	2848	0.0742	318.26	211.38	6.73	0	0.00	0.00
SPI1-135-5500-C	370215.7	3175553.18	1487.1	28.70073592	-88.328615	12:21:38 PM	4/11/2011	350.17	4288	2848	0.0742	318.38	211.46	6.73	0	0.00	0.00
SPI1-135-700-A	367055.11	3179240.51	1553.4	28.73368811	-88.36139383	4:14:21 PM	4/10/2011	358.23	4288	2848	0.0726	311.22	206.71	6.43	251107	2.06	0.13
SPI1-135-700-B	367083.08	3179212.26	1555.2	28.73343603	-88.36110417	4:19:58 PM	4/10/2011	357.38	4288	2848	0.0728	311.96	207.20	6.46	111816	0.92	0.06
SPI1-135-700-C	367106.09	3179187.48	1556.6	28.73321481	-88.36086564	4:24:19 PM	4/10/2011	366.16	4288	2848	0.0710	304.48	202.23	6.16	66115	0.54	0.03
SPI1-135-900-A	367200.77	3179076.28	1562.7	28.73222114	-88.35988333	7:25:46 PM	4/10/2011	360.94	4288	2848	0.0720	308.88	205.15	6.34	241134	1.97	0.13
SPI1-135-900-B	367216.35	3179059.98	1563.7	28.73207558	-88.35972189	7:32:01 PM	4/10/2011	359.09	4288	2848	0.0724	310.47	206.21	6.40	216731	1.77	0.11

Preliminary Draft Data

Station	Easting	Northing	Depth (m)	Latitude	Longitude	Time Stamp on Image	Date	Scale (pixels)	Width (pixels)	Height (pixels)	Resolution (cm per pixel)	Width (cm)	Height (cm)	Area (m^2)	Beggiatoa (pixel area)	Beggiatoa (% cover)	Beggiatoa (m^2)
SPI1-135-900-C	367240.45	3179027.12	1564.8	28.73178161	-88.35947133	7:39:22 PM	4/10/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-180-1100-A	366597.22	3178665.94	1568.1	28.72845603	-88.36601419	10:18:50 PM	4/9/2011	354.00	4288	2848	0.0734	314.94	209.18	6.59	0	0.00	0.00
SPI1-180-1100-B	366599.47	3178660.31	1568.4	28.72840542	-88.3659905	10:25:38 PM	4/9/2011	355.98	4288	2848	0.0730	313.19	208.01	6.51	0	0.00	0.00
SPI1-180-1100-C	366607.53	3178656.8	1567.8	28.72837464	-88.36590753	10:32:06 PM	4/9/2011	359.82	4288	2848	0.0723	309.84	205.79	6.38	0	0.00	0.00
SPI1-180-1300-A	366633.31	3178447.72	1573.1	28.72649056	-88.36561914	10:58:30 PM	4/9/2011	358.23	4288	2848	0.0726	311.22	206.71	6.43	0	0.00	0.00
SPI1-180-1300-B	366587.83	3178440.75	1574.1	28.72642297	-88.36608389	11:04:14 PM	4/9/2011	358.96	4288	2848	0.0724	310.59	206.28	6.41	0	0.00	0.00
SPI1-180-1300-C	366603.61	3178432.13	1574.1	28.72634678	-88.36592131	11:09:48 PM	4/9/2011	367.02	4288	2848	0.0708	303.77	201.75	6.13	0	0.00	0.00
SPI1-180-1500-A	366601.68	3178243.48	1578.5	28.72464431	-88.365919	11:41:01 PM	4/9/2011	356.12	4288	2848	0.0730	313.06	207.93	6.51	0	0.00	0.00
SPI1-180-1500-B	366592.18	3178218.19	1579.4	28.72441514	-88.36601328	11:59:27 PM	4/9/2011	354.00	4288	2848	0.0734	314.94	209.18	6.59	0	0.00	0.00
SPI1-180-1500-C	366603.94	3178222.22	1579.5	28.72445267	-88.36589336	12:06:41 AM	4/10/2011	351.16	4288	2848	0.0740	317.48	210.87	6.69	0	0.00	0.00
SPI1-180-1700-A	366595.15	3178034.6	1581.4	28.72275875	-88.36596136	12:51:46 AM	4/10/2011	357.11	4288	2848	0.0728	312.20	207.35	6.47	0	0.00	0.00
SPI1-180-1700-B	366601.44	3178053.82	1582	28.72293281	-88.36589922	12:58:49 AM	4/10/2011	360.21	4288	2848	0.0722	309.51	205.57	6.36	0	0.00	0.00
SPI1-180-1700-C	366596.63	3178034.61	1582.2	28.722759	-88.36594614	1:05:32 AM	4/10/2011	358.96	4288	2848	0.0724	310.59	206.28	6.41	0	0.00	0.00
SPI1-180-1900-A	366608.91	3177878.65	1584	28.7213529	-88.36580216	1:41:05 AM	4/10/2011	356.12	4288	2848	0.0730	313.06	207.93	6.51	0	0.00	0.00
SPI1-180-1900-B	366588.59	3177856.61	1584.5	28.72115191	-88.36600758	1:47:18 AM	4/10/2011	356.98	4288	2848	0.0728	312.31	207.43	6.48	0	0.00	0.00
SPI1-180-1900-C	366601.37	3177838.19	1584.6	28.72098701	-88.3658746	1:53:59 AM	4/10/2011	359.09	4288	2848	0.0724	310.47	206.21	6.40	0	0.00	0.00
SPI1-180-200-A	366571.76	3179506.3	1517.3	28.73603657	-88.36637348	5:45:24 PM	4/9/2011	381.55	4288	2848	0.0681	292.20	194.07	5.67	0	0.00	0.00
SPI1-180-200-B	366594.53	3179549.75	1517	28.73643101	-88.36614546	5:52:27 PM	4/9/2011	no lasers	4288	2848	na	na	na	na	na	na	na
SPI1-180-200-C	366605.34	3179544.67	1515.3	28.73638629	-88.36603419	6:00:06 PM	4/9/2011	355.86	4288	2848	0.0731	313.29	208.08	6.52	304246	2.49	0.16
SPI1-180-2100-A	366586.65	3177655.97	1587.1	28.71934118	-88.36600391	2:29:49 AM	4/10/2011	355.12	4288	2848	0.0732	313.94	208.52	6.55	0	0.00	0.00
SPI1-180-2100-B	366586.53	3177664.59	1587.2	28.71941895	-88.36600615	2:36:16 AM	4/10/2011	356.25	4288	2848	0.0730	312.95	207.85	6.50	0	0.00	0.00
SPI1-180-2100-C	366589.8	3177645.89	1587.4	28.71925055	-88.36597048	2:43:11 AM	4/10/2011	355.98	4288	2848	0.0730	313.19	208.01	6.51	0	0.00	0.00
SPI1-180-2300-A	366599.59	3177442.49	1588.9	28.71741611	-88.36584642	4:35:14 AM	4/10/2011	360.20	4288	2848	0.0722	309.52	205.57	6.36	0	0.00	0.00
SPI1-180-2300-B	366590.12	3177457.56	1589.4	28.71755114	-88.36594508	4:41:13 AM	4/10/2011	no lasers	4288	2848	na	na	na	na	na	na	na
SPI1-180-2300-C	366607.91	3177409.1	1589.2	28.71711569	-88.36575733	4:47:15 AM	4/10/2011	351.16	4288	2848	0.0740	317.48	210.87	6.69	0	0.00	0.00
SPI1-180-2500-A	366597.99	3177256.27	1590.5	28.71573558	-88.365841	5:21:31 AM	4/10/2011	361.81	4288	2848	0.0719	308.14	204.66	6.31	0	0.00	0.00
SPI1-180-2500-B	366592.52	3177264.95	1590.7	28.71581331	-88.36589797	5:28:18 AM	4/10/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-180-2500-C	366572.51	3177236.83	1591.2	28.7155575	-88.36609953	5:34:34 AM	4/10/2011	353.28	4288	2848	0.0736	315.58	209.60	6.61	0	0.00	0.00
SPI1-180-2650-A	366566.93	3177096.75	1592.1	28.71429289	-88.36614017	6:00:51 AM	4/10/2011	354.86	4288	2848	0.0733	314.17	208.67	6.56	0	0.00	0.00
SPI1-180-2650-B	366580.37	3177100.51	1592.5	28.71432822	-88.36600306	6:07:22 AM	4/10/2011	352.15	4288	2848	0.0738	316.59	210.27	6.66	0	0.00	0.00
SPI1-180-2650-C	366587.15	3177074.6	1592.7	28.71409505	-88.36593065	6:13:40 AM	4/10/2011	357.24	4288	2848	0.0728	312.08	207.28	6.47	0	0.00	0.00
SPI1-180-300-A	366647.58	3179467.6	1522.2	28.73569522	-88.36559272	6:48:51 PM	4/9/2011	362.68	4288	2848	0.0717	307.40	204.17	6.28	106842	0.87	0.06
SPI1-180-300-B	366634.92	3179464.39	1522.8	28.73566494	-88.36572189	6:54:01 PM	4/9/2011	no lasers	4288	2848	na	na	na	na	na	na	na
SPI1-180-300-C	366664.26	3179455.27	1522.7	28.73558564	-88.36542044	6:59:54 PM	4/9/2011	351.03	4288	2848	0.0741	317.60	210.94	6.70	1028991	8.43	0.54
SPI1-180-3100-A	366570.21	3176648.39	1596.6	28.71024731	-88.36605406	8:30:45 AM	4/10/2011	362.06	4288	2848	0.0718	307.93	204.52	6.30	0	0.00	0.00
SPI1-180-3100-B	366573.02	3176639.29	1596.9	28.71016544	-88.36602419	8:37:47 AM	4/10/2011	358.23	4288	2848	0.0726	311.22	206.71	6.43	0	0.00	0.00
SPI1-180-3100-C	366567.27	3176627.17	1597.7	28.71005556	-88.36608167	8:44:19 AM	4/10/2011	355.26	4288	2848	0.0732	313.82	208.43	6.54	0	0.00	0.00
SPI1-180-3400-A	366552.18	3176358.32	1600.2	28.70762789	-88.36620453	9:28:14 AM	4/10/2011	354.27	4288	2848	0.0734	314.70	209.02	6.58	0	0.00	0.00
SPI1-180-3400-B	366568.33	3176343.83	1600.6	28.70749886	-88.36603756	9:34:54 AM	4/10/2011	358.10	4288	2848	0.0726	311.33	206.78	6.44	0	0.00	0.00
SPI1-180-3400-C	366590.34	3176368.99	1600.3	28.70772814	-88.36581525	9:40:41 AM	4/10/2011	359.22	4288	2848	0.0724	310.36	206.14	6.40	0	0.00	0.00
SPI1-180-3700-A	366565.11	3176059.29	1603.8	28.70493086	-88.36603717	10:26:58 AM	4/10/2011	354.00	4288	2848	0.0734	314.94	209.18	6.59	0	0.00	0.00
SPI1-180-3700-B	366572.44	3176050.8	1604.1	28.70485503	-88.36596117	10:32:47 AM	4/10/2011	360.08	4288	2848	0.0722	309.62	205.64	6.37	0	0.00	0.00
SPI1-180-3700-C	366572.29	3176028.16	1604.6	28.70465069	-88.36596006	10:38:55 AM	4/10/2011	356.12	4288	2848	0.0730	313.06	207.93	6.51	0	0.00	0.00
SPI1-180-4000-A	366557.53	3175770.45	1608.9	28.70232367	-88.36608086	11:06:35 AM	4/10/2011	355.98	4288	2848	0.0730	313.19	208.01	6.51	0	0.00	0.00
SPI1-180-4000-B	366573.67	3175770.75	1608.6	28.70232803	-88.36591569	11:14:42 AM	4/10/2011	351.16	4288	2848	0.0740	317.48	210.87	6.69	0	0.00	0.00
SPI1-180-4000-C	366658.71	3175861.43	1597.3	28.70315506	-88.36505603	11:20:55 AM	4/10/2011	356.12	4288	2848	0.0730	313.06	207.93	6.51	0	0.00	0.00
SPI1-180-400-A	366644.32	3179420.58	1526	28.73527058	-88.36562058	7:11:39 PM	4/9/2011	357.97	4288	2848	0.0726	311.45	206.86	6.44	1494835	12.24	0.78
SPI1-180-400-B	366651.14	3179394.16	1527.7	28.73503283	-88.36554758	7:17:47 PM	4/9/2011	354.99	4288	2848	0.0732	314.06	208.59	6.55	87423	0.72	0.05

Preliminary Draft Data

Station	Easting	Northing	Depth (m)	Latitude	Longitude	Time Stamp on Image	Date	Scale (pixels)	Width (pixels)	Height (pixels)	Resolution (cm per pixel)	Width (cm)	Height (cm)	Area (m^2)	Beggiatoa (pixel area)	Beggiatoa (% cover)	Beggiatoa (m^2)
SPI1-180-400-C	366655.94	3179369.71	1529.4	28.73481275	-88.36549561	7:22:44 PM	4/9/2011	360.82	4288	2848	0.0721	308.99	205.22	6.34	576768	4.72	0.30
SPI1-180-4300-A	366539.55	3175467.79	1611.4	28.69959061	-88.36622942	11:54:23 AM	4/10/2011	354.99	4288	2848	0.0732	314.06	208.59	6.55	0	0.00	0.00
SPI1-180-4300-B	366552.72	3175458.37	1585.2	28.69950697	-88.3660935	12:00:09 PM	4/10/2011	359.09	4288	2848	0.0724	310.47	206.21	6.40	0	0.00	0.00
SPI1-180-4300-C	366557.57	3175400.91	1612.1	28.69898897	-88.36603717	12:13:57 PM	4/10/2011	354.74	4288	2848	0.0733	314.28	208.74	6.56	0	0.00	0.00
SPI1-180-4600-A	366537.03	3175244.19	1616.6	28.69757269	-88.36622903	12:38:29 PM	4/10/2011	360.94	4288	2848	0.0720	308.88	205.15	6.34	0	0.00	0.00
SPI1-180-4600-B	366542.99	3175176.22	1618.1	28.69695994	-88.36616006	12:47:59 PM	4/10/2011	360.21	4288	2848	0.0722	309.51	205.57	6.36	0	0.00	0.00
SPI1-180-4600-C	366548.81	3175167.42	1616.8	28.69688117	-88.36609947	12:54:15 PM	4/10/2011	366.90	4288	2848	0.0709	303.86	201.82	6.13	0	0.00	0.00
SPI1-180-4900-A	366536.86	3174872.49	1621.3	28.69421847	-88.36618722	1:24:02 PM	4/10/2011	460.94	4288	2848	0.0564	241.87	160.65	3.89	0	0.00	0.00
SPI1-180-4900-B	366541.24	3174832	1622.1	28.69385358	-88.36613764	1:29:46 PM	4/10/2011	361.07	4288	2848	0.0720	308.77	205.08	6.33	0	0.00	0.00
SPI1-180-4900-C	366560.97	3174825.65	1621.8	28.69379836	-88.36593492	1:35:32 PM	4/10/2011	351.16	4288	2848	0.0740	317.48	210.87	6.69	0	0.00	0.00
SPI1-180-500-A	366641.86	3179316.71	1534.4	28.73433306	-88.3656335	7:34:15 PM	4/9/2011	363.79	4288	2848	0.0715	306.46	203.55	6.24	134137	1.10	0.07
SPI1-180-500-B	366639.64	3179267.54	1538.6	28.73388908	-88.3656505	7:43:00 PM	4/9/2011	363.79	4288	2848	0.0715	306.46	203.55	6.24	22607	0.19	0.01
SPI1-180-500-C	366645.59	3179225.64	1541.1	28.73351161	-88.36558467	7:49:47 PM	4/9/2011	352.15	4288	2848	0.0738	316.59	210.27	6.66	59610	0.49	0.03
SPI1-180-500-D	366643.21	3179198.48	1542.6	28.73326628	-88.36560586	7:55:53 PM	4/9/2011	361.94	4288	2848	0.0718	308.03	204.59	6.30	40149	0.33	0.02
SPI1-180-5200-A	366547.25	3174592.57	1625.3	28.69169364	-88.36604806	2:08:07 PM	4/10/2011	360.08	4288	2848	0.0722	309.62	205.64	6.37	0	0.00	0.00
SPI1-180-5200-B	366544.51	3174559.73	1625.8	28.69139703	-88.36607228	2:13:00 PM	4/10/2011	361.94	4288	2848	0.0718	308.03	204.59	6.30	0	0.00	0.00
SPI1-180-5200-C	366562.67	3174539.39	1626.4	28.69121533	-88.36588403	2:17:22 PM	4/10/2011	362.06	4288	2848	0.0718	307.93	204.52	6.30	0	0.00	0.00
SPI1-180-5500-A	366572.55	3174266.06	1628.1	28.68874992	-88.36575092	2:53:04 PM	4/10/2011	361.20	4288	2848	0.0720	308.66	205.01	6.33	0	0.00	0.00
SPI1-180-5500-B	366563.76	3174242.11	1628.5	28.68853286	-88.36583803	2:58:48 PM	4/10/2011	350.44	4288	2848	0.0742	318.14	211.30	6.72	0	0.00	0.00
SPI1-180-5500-C	366568.5	3174226.04	1628.7	28.68838836	-88.36578764	3:03:30 PM	4/10/2011	357.97	4288	2848	0.0726	311.45	206.86	6.44	0	0.00	0.00
SPI1-180-700-A	366637.98	3179083.67	1548.4	28.73222969	-88.36564594	8:16:41 PM	4/9/2011	361.07	4288	2848	0.0720	308.77	205.08	6.33	16008	0.13	0.01
SPI1-180-700-B	366642.5	3179056.78	1548.9	28.73198756	-88.36559653	8:25:39 PM	4/9/2011	359.09	4288	2848	0.0724	310.47	206.21	6.40	82045	0.67	0.04
SPI1-180-700-C	366625.19	3179041.28	1549.8	28.73184589	-88.36577189	8:31:48 PM	4/9/2011	367.76	4288	2848	0.0707	303.15	201.35	6.10	10061	0.08	0.01
SPI1-180-900-A	366600.31	3178871.75	1558	28.73031347	-88.36600675	9:33:58 PM	4/9/2011	361.81	4288	2848	0.0719	308.14	204.66	6.31	0	0.00	0.00
SPI1-180-900-B	366605.62	3178859.02	1562.7	28.73019919	-88.36595081	9:42:03 PM	4/9/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-180-900-C	366598.42	3178836.6	1563.1	28.72999611	-88.36602197	9:47:07 PM	4/9/2011	356.38	4288	2848	0.0730	312.83	207.78	6.50	0	0.00	0.00
SPI1-2.21-A	358061.55	3184964.56	1342.9	28.78437979	-88.4541825	8:01:10 AM	4/14/2011	677.46	4288	2848	0.0384	164.57	109.30	1.80	0	0.00	0.00
SPI1-2.21-B	358068.86	3184956.43	1342.9	28.78430724	-88.45410661	8:07:23 AM	4/14/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-2.21-C	358074.61	3184954.68	1342.8	28.78429208	-88.4540475	8:12:42 AM	4/14/2011	680.46	4288	2848	0.0382	163.84	108.82	1.78	0	0.00	0.00
SPI1-225-1100-A	365839.45	3178885.13	1571.4	28.73035532	-88.37379762	6:54:22 AM	4/18/2011	689.42	4288	2848	0.0377	161.71	107.41	1.74	10434	0.09	0.01
SPI1-225-1100-B	365857.28	3178892.43	1571.2	28.73042305	-88.37361594	7:00:06 AM	4/18/2011	688.49	4288	2848	0.0378	161.93	107.55	1.74	432645	3.54	0.23
SPI1-225-1100-C	365882.13	3178909.19	1571.6	28.73057687	-88.37336352	7:05:52 AM	4/18/2011	676.46	4288	2848	0.0384	164.81	109.46	1.80	212686	1.74	0.11
SPI1-225-1300-A	365720.97	3178725.96	1575.4	28.72890668	-88.37499176	4:42:46 AM	4/18/2011	678.39	4288	2848	0.0383	164.34	109.15	1.79	0	0.00	0.00
SPI1-225-1300-B	365727.6	3178746.86	1575.3	28.72909597	-88.37492635	4:48:41 AM	4/18/2011	692.45	4288	2848	0.0375	161.01	106.94	1.72	0	0.00	0.00
SPI1-225-1300-C	365747.65	3178762.51	1575	28.72923928	-88.37472294	4:55:34 AM	4/18/2011	704.44	4288	2848	0.0369	158.26	105.12	1.66	0	0.00	0.00
SPI1-225-1500-A	365592.55	3178581.86	1579.2	28.72759299	-88.37628941	4:01:45 AM	4/18/2011	682.50	4288	2848	0.0381	163.35	108.50	1.77	0	0.00	0.00
SPI1-225-1500-B	365598.03	3178606.65	1579.4	28.72781726	-88.37623624	4:07:56 AM	4/18/2011	684.49	4288	2848	0.0380	162.88	108.18	1.76	0	0.00	0.00
SPI1-225-1500-C	365609.7	3178604.09	1578.4	28.72779537	-88.37611647	4:13:20 AM	4/18/2011	680.50	4288	2848	0.0382	163.83	108.81	1.78	0	0.00	0.00
SPI1-225-1700-A	365457.35	3178438.87	1581.5	28.72628856	-88.37765658	3:07:10 AM	4/18/2011	693.45	4288	2848	0.0375	160.77	106.78	1.72	0	0.00	0.00
SPI1-225-1700-B	365474.48	3178476.58	1581.2	28.72663064	-88.37748564	3:19:56 AM	4/18/2011	690.49	4288	2848	0.0377	161.46	107.24	1.73	0	0.00	0.00
SPI1-225-1700-C	365491.36	3178480.26	1580.6	28.72666561	-88.37731332	3:29:27 AM	4/18/2011	696.41	4288	2848	0.0373	160.09	106.33	1.70	0	0.00	0.00
SPI1-225-1900-A	365296.7	3178270.41	1582.7	28.72475167	-88.37928122	2:18:24 AM	4/18/2011	686.46	4288	2848	0.0379	162.41	107.87	1.75	0	0.00	0.00
SPI1-225-1900-B	365324.83	3178302.34	1582.9	28.72504272	-88.37899703	2:27:39 AM	4/18/2011	680.46	4288	2848	0.0382	163.84	108.82	1.78	0	0.00	0.00
SPI1-225-1900-C	365343.73	3178329.63	1582.7	28.72529103	-88.37880672	2:37:44 AM	4/18/2011	689.45	4288	2848	0.0377	161.71	107.40	1.74	0	0.00	0.00
SPI1-225-200-A	366463.98	3179563.78	1527.7	28.73654406	-88.36748372	10:39:31 AM	4/18/2011	677.54	4288	2848	0.0384	164.55	109.29	1.80	368881	3.02	0.19
SPI1-225-200-B	366478.15	3179583.6	1527.4	28.73672439	-88.36734094	10:46:38 AM	4/18/2011	697.38	4288	2848	0.0373	159.87	106.18	1.70	100515	0.82	0.05
SPI1-225-200-C	366496.61	3179600	1527	28.73687431	-88.36715391	10:52:54 AM	4/18/2011	692.45	4288	2848	0.0375	161.01	106.94	1.72	248247	2.03	0.13
SPI1-225-2100-A	365188.6	3178134.38	1584.4	28.72351289	-88.38037172	1:33:16 AM	4/18/2011	681.46	4288	2848	0.0382	163.60	108.66	1.78	0	0.00	0.00

Preliminary Draft Data

Station	Easting	Northing	Depth (m)	Latitude	Longitude	Time Stamp on Image	Date	Scale (pixels)	Width (pixels)	Height (pixels)	Resolution (cm per pixel)	Width (cm)	Height (cm)	Area (m^2)	Beggiatoa (pixel area)	Beggiatoa (% cover)	Beggiatoa (m^2)
SPI1-225-2100-B	365204.22	3178170.16	1584.9	28.72383742	-88.380216	1:41:55 AM	4/18/2011	695.92	4288	2848	0.0374	160.20	106.40	1.70	0	0.00	0.00
SPI1-225-2100-C	365215.03	3178179.16	1584.4	28.72391978	-88.38010647	1:51:24 AM	4/18/2011	687.45	4288	2848	0.0378	162.18	107.71	1.75	0	0.00	0.00
SPI1-225-2300-A	365041.34	3177980.58	1585.8	28.72210964	-88.38186094	12:47:18 AM	4/18/2011	678.46	4288	2848	0.0383	164.33	109.14	1.79	0	0.00	0.00
SPI1-225-2300-B	365062.83	3178003.93	1585.9	28.72232261	-88.38164369	12:54:45 AM	4/18/2011	701.41	4288	2848	0.0371	158.95	105.57	1.68	0	0.00	0.00
SPI1-225-2300-C	365082.9	3178029.31	1585.8	28.72255372	-88.38144128	1:03:07 AM	4/18/2011	683.53	4288	2848	0.0380	163.11	108.33	1.77	0	0.00	0.00
SPI1-225-2500-A	364908.87	3177861.24	1586.5	28.72101892	-88.38320283	12:03:10 AM	4/18/2011	693.53	4288	2848	0.0375	160.75	106.77	1.72	0	0.00	0.00
SPI1-225-2500-B	364923.01	3177879.59	1586.7	28.721186	-88.38306019	12:10:50 AM	4/18/2011	683.46	4288	2848	0.0380	163.12	108.34	1.77	0	0.00	0.00
SPI1-225-2500-C	364939.01	3177882.45	1586.1	28.72121347	-88.38289681	12:20:07 AM	4/18/2011	687.45	4288	2848	0.0378	162.18	107.71	1.75	0	0.00	0.00
SPI1-225-2800-A	364700.22	3177632.96	1589.1	28.71893708	-88.38531144	11:13:40 PM	4/17/2011	718.37	4288	2848	0.0362	155.20	103.08	1.60	0	0.00	0.00
SPI1-225-2800-B	364739.52	3177647.21	1589.1	28.71906981	-88.38491089	11:21:12 PM	4/17/2011	686.42	4288	2848	0.0379	162.42	107.88	1.75	0	0.00	0.00
SPI1-225-2800-C	364769.51	3177667.07	1588.8	28.71925222	-88.38460631	11:29:56 PM	4/17/2011	699.38	4288	2848	0.0372	159.41	105.88	1.69	0	0.00	0.00
SPI1-225-300-A	366396.14	3179492.74	1532.2	28.73589603	-88.36816992	10:10:03 AM	4/18/2011	670.47	4288	2848	0.0388	166.28	110.44	1.84	474902	3.89	0.25
SPI1-225-300-B	366397.35	3179498.3	1531.2	28.73594636	-88.36815817	10:16:11 AM	4/18/2011	689.38	4288	2848	0.0377	161.72	107.41	1.74	630214	5.16	0.33
SPI1-225-300-C	366413.02	3179516.15	1530.8	28.73610903	-88.36799981	10:22:55 AM	4/18/2011	685.53	4288	2848	0.0379	162.63	108.02	1.76	615683	5.04	0.32
SPI1-225-3100-A	364535.48	3177393.11	1589	28.71675547	-88.38696931	9:06:52 PM	4/17/2011	688.42	4288	2848	0.0378	161.95	107.56	1.74	0	0.00	0.00
SPI1-225-3100-B	364553.55	3177417.58	1588.8	28.71697817	-88.38678725	9:14:40 PM	4/17/2011	689.42	4288	2848	0.0377	161.71	107.41	1.74	0	0.00	0.00
SPI1-225-3100-C	364568.83	3177450.56	1588.6	28.71727739	-88.38663469	9:22:38 PM	4/17/2011	669.52	4288	2848	0.0388	166.52	110.60	1.84	0	0.00	0.00
SPI1-225-3400-A	364315	3177185.72	1587.8	28.71486092	-88.38920139	8:17:26 PM	4/17/2011	712.40	4288	2848	0.0365	156.50	103.94	1.63	0	0.00	0.00
SPI1-225-3400-B	364337.09	3177208.61	1587.7	28.71506978	-88.38897797	8:25:58 PM	4/17/2011	700.41	4288	2848	0.0371	159.18	105.72	1.68	0	0.00	0.00
SPI1-225-3400-C	364371.51	3177227.26	1588	28.71524172	-88.38862789	8:33:33 PM	4/17/2011	688.45	4288	2848	0.0378	161.94	107.56	1.74	0	0.00	0.00
SPI1-225-3700-A	364121.03	3176936.16	1587.2	28.71258853	-88.39115706	7:26:15 PM	4/17/2011	686.42	4288	2848	0.0379	162.42	107.88	1.75	0	0.00	0.00
SPI1-225-3700-B	364140.01	3176965.77	1587.5	28.71285775	-88.39096633	7:35:20 PM	4/17/2011	687.45	4288	2848	0.0378	162.18	107.71	1.75	0	0.00	0.00
SPI1-225-3700-C	364152	3176990.43	1587.4	28.71308156	-88.3908465	7:43:26 PM	4/17/2011	697.41	4288	2848	0.0373	159.86	106.18	1.70	0	0.00	0.00
SPI1-225-4000-A	363922.33	3176739.97	1587.1	28.71079722	-88.39316744	6:35:17 PM	4/17/2011	679.50	4288	2848	0.0383	164.07	108.97	1.79	0	0.00	0.00
SPI1-225-4000-B	363932.43	3176753.58	1587.7	28.71092111	-88.39306564	6:42:59 PM	4/17/2011	704.44	4288	2848	0.0369	158.26	105.12	1.66	0	0.00	0.00
SPI1-225-4000-C	363971.76	3176768.35	1588.1	28.71105853	-88.39266489	6:51:14 PM	4/17/2011	744.36	4288	2848	0.0349	149.78	99.48	1.49	0	0.00	0.00
SPI1-225-400-A	366348.88	3179396.6	1537.4	28.73502361	-88.36864247	9:39:00 AM	4/18/2011	678.42	4288	2848	0.0383	164.33	109.15	1.79	47315	0.39	0.02
SPI1-225-400-B	366364.35	3179417.6	1536.2	28.73521467	-88.36848658	9:44:51 AM	4/18/2011	680.50	4288	2848	0.0382	163.83	108.81	1.78	134435	1.10	0.07
SPI1-225-400-C	366365.81	3179442.3	1533.9	28.73543769	-88.36847444	9:54:08 AM	4/18/2011	677.50	4288	2848	0.0384	164.56	109.30	1.80	90465	0.74	0.05
SPI1-225-4300-A	363701.27	3176526.14	1587	28.70884444	-88.39540453	9:19:08 PM	4/15/2011	692.45	4288	2848	0.0375	161.01	106.94	1.72	0	0.00	0.00
SPI1-225-4300-B	363724.1	3176512.71	1585.4	28.70872564	-88.39516925	9:29:42 PM	4/15/2011	692.45	4288	2848	0.0375	161.01	106.94	1.72	0	0.00	0.00
SPI1-225-4300-C	363753.12	3176552.38	1587.3	28.70908669	-88.39487692	9:37:03 PM	4/15/2011	716.40	4288	2848	0.0363	155.62	103.36	1.61	0	0.00	0.00
SPI1-225-4600-A	363520.78	3176274.86	1585.6	28.70655787	-88.39722174	7:02:54 PM	4/15/2011	700.45	4288	2848	0.0371	159.17	105.71	1.68	0	0.00	0.00
SPI1-225-4600-B	363520.91	3176315.98	1585.7	28.70692894	-88.39722534	7:15:27 PM	4/15/2011	699.45	4288	2848	0.0372	159.39	105.87	1.69	0	0.00	0.00
SPI1-225-4600-C	363537.4	3176331.77	1585.4	28.70707317	-88.39705845	7:22:19 PM	4/15/2011	712.40	4288	2848	0.0365	156.50	103.94	1.63	0	0.00	0.00
SPI1-225-4900-A	363303.86	3176082.82	1584.5	28.704802	-88.39941889	6:13:05 PM	4/15/2011	721.43	4288	2848	0.0360	154.54	102.64	1.59	0	0.00	0.00
SPI1-225-4900-B	363331.57	3176091.43	1584.6	28.70488264	-88.39913633	6:18:52 PM	4/15/2011	678.46	4288	2848	0.0383	164.33	109.14	1.79	0	0.00	0.00
SPI1-225-4900-C	363325.85	3176092.12	1583.1	28.70488831	-88.39919492	6:25:44 PM	4/15/2011	701.48	4288	2848	0.0371	158.93	105.56	1.68	0	0.00	0.00
SPI1-225-500-A	366206.74	3179333.47	1542.1	28.73443919	-88.37009019	9:07:06 AM	4/18/2011	688.45	4288	2848	0.0378	161.94	107.56	1.74	311609	2.55	0.16
SPI1-225-500-B	366243.37	3179347.31	1542.6	28.73456783	-88.36971689	9:15:09 AM	4/18/2011	690.45	4288	2848	0.0377	161.47	107.25	1.73	439617	3.60	0.23
SPI1-225-500-C	366272.72	3179352.92	1542.3	28.7346215	-88.36941708	9:21:20 AM	4/18/2011	672.46	4288	2848	0.0387	165.79	110.12	1.83	189107	1.55	0.10
SPI1-225-5200-A	363105.53	3175878.15	1581.3	28.70293411	-88.40142419	5:14:57 PM	4/15/2011	733.36	4288	2848	0.0355	152.02	100.97	1.53	0	0.00	0.00
SPI1-225-5200-B	363132.11	3175871.72	1582	28.70287897	-88.40115133	5:21:44 PM	4/15/2011	724.43	4288	2848	0.0359	153.90	102.22	1.57	0	0.00	0.00
SPI1-225-5200-C	363165.96	3175898.38	1582.2	28.70312311	-88.40080808	5:30:03 PM	4/15/2011	709.48	4288	2848	0.0366	157.14	104.37	1.64	0	0.00	0.00
SPI1-225-5500-A	362900.87	3175621.95	1579.6	28.70060053	-88.40348792	4:14:59 PM	4/15/2011	693.42	4288	2848	0.0375	160.78	106.79	1.72	0	0.00	0.00
SPI1-225-5500-B	362917.17	3175623.22	1576.1	28.70061378	-88.40332131	4:30:19 PM	4/15/2011	697.45	4288	2848	0.0373	159.85	106.17	1.70	0	0.00	0.00
SPI1-225-5500-C	362936.94	3175655.1	1577.4	28.70090353	-88.40312278	4:37:21 PM	4/15/2011	712.44	4288	2848	0.0365	156.49	103.94	1.63	0	0.00	0.00
SPI1-225-700-A	366121.06	3179158.5	1557.1	28.7328514	-88.37094682	8:10:36 AM	4/18/2011	687.42	4288	2848	0.0378	162.18	107.72	1.75	5369	0.04	0.00
SPI1-225-700-B	366128.11	3179177.91	1556.1	28.73302728	-88.37087693	8:16:28 AM	4/18/2011	695.38	4288	2848	0.0374	160.33	106.49	1.71	8141	0.07	0.00
SPI1-225-700-C	366140.35	3179200	1555.5	28.73322789	-88.37075422	8:22:44 AM	4/18/2011	684.46	4288	2848	0.0380	162.88	108.18	1.76	3853	0.03	0.00

Preliminary Draft Data

Station	Easting	Northing	Depth (m)	Latitude	Longitude	Time Stamp on Image	Date	Scale (pixels)	Width (pixels)	Height (pixels)	Resolution (cm per pixel)	Width (cm)	Height (cm)	Area (m^2)	Beggiatoa (pixel area)	Beggiatoa (% cover)	Beggiatoa (m^2)
SPI1-225-900-A	365982.11	3179020.56	1565	28.73159223	-88.3723531	7:32:51 AM	4/18/2011	684.42	4288	2848	0.0380	162.89	108.19	1.76	0	0.00	0.00
SPI1-225-900-B	365992.41	3179016.88	1564	28.7315601	-88.37224722	7:38:53 AM	4/18/2011	681.54	4288	2848	0.0381	163.58	108.65	1.78	0	0.00	0.00
SPI1-225-900-C	366003.76	3179044.33	1563.7	28.73180898	-88.37213425	7:44:15 AM	4/18/2011	683.46	4288	2848	0.0380	163.12	108.34	1.77	0	0.00	0.00
SPI1-270-1100-A	365549.6	3179754.86	1524.4	28.73817336	-88.37686783	11:04:37 PM	4/16/2011	682.50	4288	2848	0.0381	163.35	108.50	1.77	4115	0.03	0.00
SPI1-270-1100-B	365521.47	3179751.27	1523.9	28.73813797	-88.37715542	11:11:56 PM	4/16/2011	689.38	4288	2848	0.0377	161.72	107.41	1.74	10730	0.09	0.01
SPI1-270-1100-C	365503.41	3179752.07	1523.5	28.73814333	-88.37734047	11:18:38 PM	4/16/2011	670.43	4288	2848	0.0388	166.29	110.45	1.84	1636	0.01	0.00
SPI1-270-1300-A	365358.58	3179761.05	1521.9	28.73820928	-88.37882431	11:42:12 PM	4/16/2011	693.42	4288	2848	0.0375	160.78	106.79	1.72	7926	0.06	0.00
SPI1-270-1300-B	365327.24	3179765.13	1521.5	28.73824275	-88.37914567	11:48:51 PM	4/16/2011	699.45	4288	2848	0.0372	159.39	105.87	1.69	8096	0.07	0.00
SPI1-270-1300-C	365295.22	3179764.05	1520.7	28.73822972	-88.37947336	11:55:48 PM	4/16/2011	687.35	4288	2848	0.0378	162.20	107.73	1.75	3754	0.03	0.00
SPI1-270-1500-A	365149.99	3179752.63	1519.1	28.7381115	-88.38095889	12:18:22 AM	4/17/2011	674.46	4288	2848	0.0385	165.30	109.79	1.81	2121	0.02	0.00
SPI1-270-1500-B	365118.22	3179752.36	1517.6	28.73810572	-88.38128411	12:24:21 AM	4/17/2011	701.41	4288	2848	0.0371	158.95	105.57	1.68	1598	0.01	0.00
SPI1-270-1500-C	365092.53	3179753.82	1517.8	28.73811617	-88.38154736	12:29:44 AM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-1700-A	364947.97	3179761.95	1516.3	28.73817442	-88.38302833	12:54:11 AM	4/17/2011	695.38	4288	2848	0.0374	160.33	106.49	1.71	15044	0.12	0.01
SPI1-270-1700-B	364915.57	3179760.47	1515.7	28.73815767	-88.38335983	12:59:52 AM	4/17/2011	678.46	4288	2848	0.0383	164.33	109.14	1.79	0	0.00	0.00
SPI1-270-1700-C	364884.5	3179764.67	1514.9	28.73819233	-88.3836785	1:05:34 AM	4/17/2011	689.45	4288	2848	0.0377	161.71	107.40	1.74	0	0.00	0.00
SPI1-270-1900-A	364734.46	3179768.67	1512.4	28.73821269	-88.38521506	1:32:06 AM	4/17/2011	682.39	4288	2848	0.0381	163.38	108.51	1.77	3080	0.03	0.00
SPI1-270-1900-B	364725.18	3179766.77	1511.5	28.73819453	-88.38530989	1:38:28 AM	4/17/2011	700.38	4288	2848	0.0371	159.18	105.73	1.68	19174	0.16	0.01
SPI1-270-1900-C	364695.95	3179761.02	1511.4	28.73813964	-88.38560842	1:44:22 AM	4/17/2011	no lasers	4288	2848	na	na	na	na	na	na	na
SPI1-270-200-A	366445.76	3179775.44	1521.1	28.73845214	-88.36769514	7:57:29 PM	4/16/2011	661.51	4288	2848	0.0393	168.54	111.94	1.89	835340	6.84	0.44
SPI1-270-200-B	366412.81	3179782.61	1520.4	28.73851347	-88.36803333	8:05:44 PM	4/16/2011	696.41	4288	2848	0.0373	160.09	106.33	1.70	499181	4.09	0.26
SPI1-270-200-C	366430.96	3179766.6	1521	28.73837083	-88.36784558	8:11:39 PM	4/16/2011	714.37	4288	2848	0.0364	156.06	103.65	1.62	454752	3.72	0.24
SPI1-270-2100-A	364553.13	3179775.11	1507.8	28.73825178	-88.38707233	2:14:07 AM	4/17/2011	717.44	4288	2848	0.0362	155.40	103.21	1.60	0	0.00	0.00
SPI1-270-2100-B	364527.9	3179764.92	1507.4	28.73815719	-88.38732942	2:21:21 AM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-2100-C	364502.7	3179768.86	1506.6	28.73819003	-88.38758797	2:31:04 AM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-2300-A	364372.58	3179762.65	1503.6	28.73812036	-88.38891944	3:01:06 AM	4/17/2011	674.43	4288	2848	0.0386	165.31	109.79	1.81	0	0.00	0.00
SPI1-270-2300-B	364343.33	3179765.07	1495.5	28.73813906	-88.38921911	3:07:22 AM	4/17/2011	693.45	4288	2848	0.0375	160.77	106.78	1.72	0	0.00	0.00
SPI1-270-2300-C	364273.3	3179758.58	1501.2	28.73807319	-88.38993539	3:14:03 AM	4/17/2011	no lasers	4288	2848	na	na	na	na	na	na	na
SPI1-270-2500-A	364143.97	3179782.6	1496.2	28.73827625	-88.39126231	3:44:12 AM	4/17/2011	703.38	4288	2848	0.0370	158.50	105.27	1.67	0	0.00	0.00
SPI1-270-2500-B	364129.96	3179768.1	1499.3	28.738144	-88.39140408	3:52:01 AM	4/17/2011	670.00	4288	2848	0.0388	166.40	110.52	1.84	na	na	na
SPI1-270-2500-C	364098.71	3179780.81	1498.5	28.73825539	-88.39172556	3:58:40 AM	4/17/2011	663.00	4288	2848	0.0392	168.16	111.69	1.88	na	na	na
SPI1-270-2800-A	363857.27	3179769.21	1493.9	28.73812522	-88.394196	4:45:41 AM	4/17/2011	671.54	4288	2848	0.0387	166.02	110.27	1.83	0	0.00	0.00
SPI1-270-2800-B	363835.62	3179759.65	1494.2	28.73803669	-88.39441658	4:53:59 AM	4/17/2011	670.54	4288	2848	0.0388	166.27	110.43	1.84	0	0.00	0.00
SPI1-270-2800-C	363810.95	3179750.41	1494.3	28.73795072	-88.394668	5:02:33 AM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-300-A	366336.7	3179764.03	1521.3	28.73833792	-88.36881033	8:25:36 PM	4/16/2011	688.42	4288	2848	0.0378	161.95	107.56	1.74	203111	1.66	0.11
SPI1-270-300-B	366316.21	3179752.28	1521.8	28.73822972	-88.36901878	8:31:36 PM	4/16/2011	685.46	4288	2848	0.0379	162.65	108.03	1.76	419108	3.43	0.22
SPI1-270-300-C	366275.29	3179756.82	1521.6	28.73826644	-88.36943828	8:39:18 PM	4/16/2011	649.52	4288	2848	0.0400	171.65	114.00	1.96	448629	3.67	0.24
SPI1-270-3400-A	363284.57	3179795.5	1490.3	28.73830189	-88.40006256	8:16:41 AM	4/17/2011	661.55	4288	2848	0.0393	168.53	111.93	1.89	0	0.00	0.00
SPI1-270-3400-B	363251.12	3179813.23	1490.2	28.73845828	-88.40040717	8:23:43 AM	4/17/2011	676.43	4288	2848	0.0384	164.82	109.47	1.80	0	0.00	0.00
SPI1-270-3400-C	363223.89	3179809.57	1490.6	28.73842236	-88.40068556	8:31:13 AM	4/17/2011	no lasers	4288	2848	na	na	na	na	na	na	na
SPI1-270-3700-A	362988.72	3179803.89	1493.6	28.73834614	-88.40309256	9:11:29 AM	4/17/2011	690.57	4288	2848	0.0377	161.44	107.23	1.73	0	0.00	0.00
SPI1-270-3700-B	362959.75	3179803.89	1494.7	28.73834306	-88.40338922	9:19:22 AM	4/17/2011	700.41	4288	2848	0.0371	159.18	105.72	1.68	0	0.00	0.00
SPI1-270-3700-C	362940.27	3179800.92	1495.5	28.73831422	-88.40358821	9:27:05 AM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-4000-A	362691	3179784.44	1504.4	28.73813894	-88.40613839	10:07:56 AM	4/17/2011	692.42	4288	2848	0.0375	161.01	106.94	1.72	0	0.00	0.00
SPI1-270-4000-B	362638.61	3179782.04	1506.5	28.73811169	-88.40667444	10:17:29 AM	4/17/2011	no lasers	4288	2848	na	na	na	na	na	na	na
SPI1-270-4000-C	362609.46	3179786.02	1507.2	28.73814456	-88.40697339	10:27:04 AM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-400-A	366253.79	3179754.09	1521.3	28.73823958	-88.36965803	8:47:02 PM	4/16/2011	689.45	4288	2848	0.0377	161.71	107.40	1.74	984933	8.07	0.52
SPI1-270-400-B	366230.12	3179755.37	1521.4	28.73824872	-88.36990058	8:53:58 PM	4/16/2011	687.49	4288	2848	0.0378	162.17	107.71	1.75	152851	1.25	0.08
SPI1-270-400-C	366186.05	3179747.12	1521.4	28.73816969	-88.37035078	9:02:18 PM	4/16/2011	702.41	4288	2848	0.0370	158.72	105.42	1.67	243043	1.99	0.13
SPI1-270-4300-A	362374.68	3179795.62	1509	28.73820614	-88.40937825	11:09:13 AM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-4300-B	362327.64	3179782.18	1509	28.73807983	-88.40985822	11:16:30 AM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na

Preliminary Draft Data

Station	Easting	Northing	Depth (m)	Latitude	Longitude	Time Stamp on Image	Date	Scale (pixels)	Width (pixels)	Height (pixels)	Resolution (cm per pixel)	Width (cm)	Height (cm)	Area (m^2)	Beggiatoa (pixel area)	Beggiatoa (% cover)	Beggiatoa (m^2)
SPI1-270-4300-C	362319.43	3179797.24	1509.7	28.73821483	-88.40994408	11:28:10 AM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-4600-A	362086.1	3179785.96	1511.6	28.73808817	-88.41233156	12:08:54 PM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-4600-B	362055.7	3179804.33	1511.2	28.73825064	-88.41264506	12:22:27 PM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-4600-C	361994.7	3179773.06	1511.3	28.73796197	-88.41326581	12:35:01 PM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-4900-A	361783.88	3179796.76	1513.2	28.73815325	-88.415427	1:05:18 PM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-4900-B	361739.45	3179797.78	1511.8	28.73815767	-88.41588203	1:14:17 PM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-4900-C	361708.62	3179818.65	1510.9	28.73834269	-88.41620025	1:22:43 PM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-500-A	366142.17	3179746.81	1521.1	28.73816236	-88.3708	9:09:10 PM	4/16/2011	715.40	4288	2848	0.0363	155.84	103.51	1.61	20432	0.17	0.01
SPI1-270-500-B	366113.27	3179749.15	1521.2	28.73818042	-88.37109617	9:15:57 PM	4/16/2011	699.45	4288	2848	0.0372	159.39	105.87	1.69	25065	0.21	0.01
SPI1-270-500-C	366093.06	3179731.97	1521.6	28.73802331	-88.37130108	9:23:10 PM	4/16/2011	699.45	4288	2848	0.0372	159.39	105.87	1.69	15566	0.13	0.01
SPI1-270-5200-A	361468.63	3179800.62	1513.3	28.73815422	-88.41865508	1:55:54 PM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-5200-B	361432.47	3179804.6	1512.9	28.73818628	-88.41902578	2:05:15 PM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-5200-C	361397.94	3179808.34	1512.6	28.73821625	-88.41937969	2:12:43 PM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-5500-A	361156.75	3179791.58	1512.3	28.73803911	-88.421847	2:44:47 PM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-5500-B	361130.27	3179801.13	1511.4	28.73812244	-88.42211928	2:54:53 PM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-5500-C	361097.81	3179804.37	1510.3	28.73814814	-88.42245206	3:04:49 PM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-270-700-A	365954.8	3179741.22	1522.5	28.73809242	-88.37271769	9:55:49 PM	4/16/2011	696.41	4288	2848	0.0373	160.09	106.33	1.70	25424	0.21	0.01
SPI1-270-700-B	365922.21	3179748.97	1522.5	28.73815894	-88.37305228	9:55:49 PM	4/16/2011	708.41	4288	2848	0.0367	157.38	104.53	1.65	24968	0.20	0.01
SPI1-270-700-C	365890.37	3179744.88	1523	28.73811878	-88.37337778	10:02:40 PM	4/16/2011	696.38	4288	2848	0.0373	160.10	106.33	1.70	15996	0.13	0.01
SPI1-270-900-A	365773.09	3179748.44	1524.3	28.73813872	-88.37457894	10:24:48 PM	4/16/2011	692.42	4288	2848	0.0375	161.01	106.94	1.72	6631	0.05	0.00
SPI1-270-900-B	365716.96	3179747.45	1524.1	28.73812389	-88.37515347	10:34:44 PM	4/16/2011	678.46	4288	2848	0.0383	164.33	109.14	1.79	1589	0.01	0.00
SPI1-270-900-C	365679.93	3179751.18	1524	28.73815369	-88.37553303	10:41:43 PM	4/16/2011	684.46	4288	2848	0.0380	162.88	108.18	1.76	23538	0.19	0.01
SPI1-315-1100-A	365885.01	3180608.9	1477.6	28.74591487	-88.37353464	5:14:39 PM	4/14/2011	646.56	4288	2848	0.0402	172.43	114.53	1.97	0	0.00	0.00
SPI1-315-1100-B	365904.48	3180586.59	1478.3	28.74571557	-88.37333265	5:20:32 PM	4/14/2011	683.39	4288	2848	0.0380	163.14	108.35	1.77	0	0.00	0.00
SPI1-315-1100-C	365932.45	3180557.66	1479	28.74545743	-88.37304285	5:27:45 PM	4/14/2011	689.45	4288	2848	0.0377	161.71	107.40	1.74	0	0.00	0.00
SPI1-315-1300-A	365783.08	3180725.43	1472.5	28.74695579	-88.37459208	4:41:21 PM	4/14/2011	675.39	4288	2848	0.0385	165.07	109.64	1.81	0	0.00	0.00
SPI1-315-1300-B	365785.19	3180721.84	1473	28.74692361	-88.37457005	4:46:27 PM	4/14/2011	686.46	4288	2848	0.0379	162.41	107.87	1.75	0	0.00	0.00
SPI1-315-1300-C	365796.32	3180706.01	1474.1	28.74678193	-88.37445422	4:53:33 PM	4/14/2011	685.42	4288	2848	0.0379	162.66	108.03	1.76	0	0.00	0.00
SPI1-315-1500-A	365605.78	3180911.44	1467.4	28.74861581	-88.37642947	3:14:22 PM	4/14/2011	691.45	4288	2848	0.0376	161.24	107.09	1.73	0	0.00	0.00
SPI1-315-1500-B	365629.35	3180887.96	1468.2	28.74840639	-88.37618536	3:20:31 PM	4/14/2011	671.43	4288	2848	0.0387	166.05	110.28	1.83	0	0.00	0.00
SPI1-315-1500-C	365651.98	3180863.25	1469.2	28.74818578	-88.37595078	3:27:20 PM	4/14/2011	676.39	4288	2848	0.0384	164.83	109.48	1.80	0	0.00	0.00
SPI1-315-1700-A	365475.44	3181063.96	1462.3	28.7499785	-88.37778217	2:39:16 PM	4/14/2011	695.41	4288	2848	0.0374	160.32	106.48	1.71	0	0.00	0.00
SPI1-315-1700-B	365497.02	3181037.16	1463	28.74973892	-88.37755803	2:46:02 PM	4/14/2011	684.39	4288	2848	0.0380	162.90	108.20	1.76	0	0.00	0.00
SPI1-315-1700-C	365518.32	3181006.86	1464	28.74946775	-88.37733628	2:53:19 PM	4/14/2011	697.45	4288	2848	0.0373	159.85	106.17	1.70	0	0.00	0.00
SPI1-315-1900-A	365352.5	3181207.43	1457.6	28.75126028	-88.379058	2:04:26 PM	4/14/2011	706.44	4288	2848	0.0368	157.82	104.82	1.65	0	0.00	0.00
SPI1-315-1900-B	365376.4	3181185.72	1458.1	28.75106686	-88.37881067	2:11:55 PM	4/14/2011	697.41	4288	2848	0.0373	159.86	106.18	1.70	0	0.00	0.00
SPI1-315-1900-C	365388.91	3181149.79	1458.7	28.75074394	-88.37867831	2:18:20 PM	4/14/2011	699.41	4288	2848	0.0372	159.40	105.87	1.69	0	0.00	0.00
SPI1-315-200-A	366461.93	3179916.23	1512.3	28.73972431	-88.36754606	9:27:09 PM	4/14/2011	674.46	4288	2848	0.0385	165.30	109.79	1.81	85612	0.70	0.04
SPI1-315-200-B	366466.73	3179900.47	1512.7	28.73958258	-88.36749506	9:33:39 PM	4/14/2011	746.32	4288	2848	0.0348	149.38	99.22	1.48	116135	0.95	0.06
SPI1-315-200-C	366508.5	3179863.37	1514.3	28.73925211	-88.36706306	9:39:29 PM	4/14/2011	683.46	4288	2848	0.0380	163.12	108.34	1.77	390495	3.20	0.20
SPI1-315-2100-A	365215.2	3181367.78	1451.8	28.75269289	-88.38048292	1:29:56 PM	4/14/2011	689.45	4288	2848	0.0377	161.71	107.40	1.74	0	0.00	0.00
SPI1-315-2100-B	365235.84	3181333.65	1452.8	28.75238703	-88.38026753	1:37:04 PM	4/14/2011	700.45	4288	2848	0.0371	159.17	105.71	1.68	0	0.00	0.00
SPI1-315-2100-C	365261.26	3181310.69	1453.7	28.7521825	-88.38000444	1:43:58 PM	4/14/2011	688.38	4288	2848	0.0378	161.96	107.57	1.74	0	0.00	0.00
SPI1-315-2300-A	365083.74	3181511.35	1445.5	28.75397461	-88.38184606	12:56:17 PM	4/14/2011	676.50	4288	2848	0.0384	164.80	109.46	1.80	0	0.00	0.00
SPI1-315-2300-B	365109.68	3181481.98	1446.5	28.75371236	-88.38157694	1:03:20 PM	4/14/2011	690.38	4288	2848	0.0377	161.49	107.26	1.73	0	0.00	0.00
SPI1-315-2300-C	365135.86	3181459.16	1447.6	28.75350914	-88.38130614	1:10:08 PM	4/14/2011	696.41	4288	2848	0.0373	160.09	106.33	1.70	0	0.00	0.00
SPI1-315-2500-A	364984.79	3181634.2	1439.4	28.75507283	-88.38287386	12:23:59 PM	4/14/2011	676.43	4288	2848	0.0384	164.82	109.47	1.80	0	0.00	0.00
SPI1-315-2500-B	364994.77	3181622.4	1439.8	28.75496739	-88.38277036	12:29:05 PM	4/14/2011	673.39	4288	2848	0.0386	165.56	109.96	1.82	0	0.00	0.00
SPI1-315-2500-C	365000.17	3181604.42	1440.6	28.75480575	-88.38271286	12:34:58 PM	4/14/2011	677.43	4288	2848	0.0384	164.57	109.31	1.80	0	0.00	0.00
SPI1-315-2800-A	364769.65	3181890.76	1430	28.75736539	-88.38510744	11:37:05 AM	4/14/2011	689.42	4288	2848	0.0377	161.71	107.41	1.74	0	0.00	0.00

Preliminary Draft Data

Station	Easting	Northing	Depth (m)	Latitude	Longitude	Time Stamp on Image	Date	Scale (pixels)	Width (pixels)	Height (pixels)	Resolution (cm per pixel)	Width (cm)	Height (cm)	Area (m^2)	Beggiatoa (pixel area)	Beggiatoa (% cover)	Beggiatoa (m^2)
SPI1-315-2800-B	364778.97	3181877.19	1430.4	28.75724389	-88.38501042	11:41:08 AM	4/14/2011	674.43	4288	2848	0.0386	165.31	109.79	1.81	0	0.00	0.00
SPI1-315-2800-C	364788.97	3181865.48	1430.7	28.75713928	-88.38490667	11:44:48 AM	4/14/2011	700.46	4288	2848	0.0371	159.16	105.71	1.68	0	0.00	0.00
SPI1-315-300-A	366403.09	3179975.63	1508.7	28.74025422	-88.3681555	9:03:43 PM	4/14/2011	706.44	4288	2848	0.0368	157.82	104.82	1.65	181816	1.49	0.10
SPI1-315-300-B	366414.93	3179972.06	1509.4	28.74022322	-88.36803383	9:08:05 PM	4/14/2011	726.36	4288	2848	0.0358	153.49	101.94	1.56	796768	6.52	0.42
SPI1-315-300-C	366432.56	3179957.27	1510.1	28.74009161	-88.36785167	9:13:57 PM	4/14/2011	672.43	4288	2848	0.0387	165.80	110.12	1.83	186055	1.52	0.10
SPI1-315-3100-A	364572.58	3182036.81	1420.8	28.75866261	-88.38714292	10:44:08 AM	4/14/2011	718.34	4288	2848	0.0362	155.20	103.08	1.60	0	0.00	0.00
SPI1-315-3100-B	364590.27	3182073.86	1421.5	28.75899878	-88.38696622	10:50:41 AM	4/14/2011	691.42	4288	2848	0.0376	161.24	107.10	1.73	0	0.00	0.00
SPI1-315-3100-C	364601.22	3182057.1	1421.2	28.75884869	-88.38685209	10:56:41 AM	4/14/2011	683.39	4288	2848	0.0380	163.14	108.35	1.77	0	0.00	0.00
SPI1-315-3400-A	364383.14	3182266.45	1422.8	28.76071481	-88.38911025	8:35:41 AM	4/20/2011	674.54	4288	2848	0.0385	165.28	109.78	1.81	0	0.00	0.00
SPI1-315-3400-B	364395.75	3182272.58	1422.1	28.76077153	-88.38898186	8:42:57 AM	4/20/2011	675.50	4288	2848	0.0385	165.05	109.62	1.81	0	0.00	0.00
SPI1-315-3400-C	364398.19	3182297.78	1422.2	28.76099917	-88.38895986	8:49:49 AM	4/20/2011	692.45	4288	2848	0.0375	161.01	106.94	1.72	0	0.00	0.00
SPI1-315-3700-A	364204.6	3182479.82	1416.2	28.76262136	-88.39096408	10:45:28 AM	4/20/2011	698.45	4288	2848	0.0372	159.62	106.02	1.69	0	0.00	0.00
SPI1-315-3700-B	364204.44	3182493.42	1415.6	28.76274414	-88.39096739	10:53:57 AM	4/20/2011	693.53	4288	2848	0.0375	160.75	106.77	1.72	0	0.00	0.00
SPI1-315-3700-C	364182.85	3182528.57	1414.9	28.76305906	-88.39119272	11:03:26 AM	4/20/2011	687.45	4288	2848	0.0378	162.18	107.71	1.75	0	0.00	0.00
SPI1-315-4000-A	364024.34	3182735.08	1410.3	28.76490575	-88.39284072	11:45:38 AM	4/20/2011	693.49	4288	2848	0.0375	160.76	106.78	1.72	0	0.00	0.00
SPI1-315-4000-B	363983.5	3182758.83	1409.3	28.76511578	-88.39326181	11:52:58 AM	4/20/2011	706.41	4288	2848	0.0368	157.82	104.82	1.65	0	0.00	0.00
SPI1-315-4000-C	363981.77	3182789.05	1408.8	28.76538831	-88.39328308	12:02:24 PM	4/20/2011	684.57	4288	2848	0.0380	162.86	108.17	1.76	0	0.00	0.00
SPI1-315-400-A	366315.11	3180041.83	1507.3	28.74084247	-88.36906409	8:32:22 PM	4/14/2011	708.48	4288	2848	0.0367	157.36	104.52	1.64	15417	0.13	0.01
SPI1-315-400-B	366331.72	3180014.84	1509.4	28.74060064	-88.36889085	8:40:10 PM	4/14/2011	689.42	4288	2848	0.0377	161.71	107.41	1.74	9759	0.08	0.01
SPI1-315-400-C	366361.1	3180017.05	1508.3	28.74062363	-88.3685903	8:46:54 PM	4/14/2011	660.55	4288	2848	0.0394	168.78	112.10	1.89	7338	0.06	0.00
SPI1-315-4300-A	363832.81	3182963.84	1405.1	28.76694972	-88.39482956	12:43:09 PM	4/20/2011	687.57	4288	2848	0.0378	162.15	107.70	1.75	0	0.00	0.00
SPI1-315-4300-B	363812.04	3183010.16	1406.3	28.76736556	-88.39504778	12:50:07 PM	4/20/2011	691.42	4288	2848	0.0376	161.24	107.10	1.73	0	0.00	0.00
SPI1-315-4300-C	363780.23	3183017.73	1404.8	28.76743044	-88.39537447	12:58:35 PM	4/20/2011	697.48	4288	2848	0.0373	159.84	106.17	1.70	0	0.00	0.00
SPI1-315-4600-A	363631.34	3183160.44	1401.6	28.7687025	-88.39691644	1:31:12 PM	4/20/2011	690.49	4288	2848	0.0377	161.46	107.24	1.73	0	0.00	0.00
SPI1-315-4600-B	363598.71	3183203.66	1401.1	28.76908903	-88.39725578	1:40:45 PM	4/20/2011	681.54	4288	2848	0.0381	163.58	108.65	1.78	0	0.00	0.00
SPI1-315-4600-C	363581.48	3183225.85	1399.4	28.76928739	-88.39743492	1:49:08 PM	4/20/2011	677.50	4288	2848	0.0384	164.56	109.30	1.80	0	0.00	0.00
SPI1-315-4900-A	363409.66	3183403.47	1397.1	28.77087197	-88.39921597	2:24:35 PM	4/20/2011	718.47	4288	2848	0.0362	155.17	103.06	1.60	0	0.00	0.00
SPI1-315-4900-B	363411.11	3183443.95	1397.4	28.77123736	-88.399206	2:34:00 PM	4/20/2011	696.49	4288	2848	0.0373	160.07	106.32	1.70	0	0.00	0.00
SPI1-315-4900-C	363395.67	3183485.66	1396.6	28.77161214	-88.39936908	2:43:41 PM	4/20/2011	695.49	4288	2848	0.0374	160.30	106.47	1.71	0	0.00	0.00
SPI1-315-500-A	366242.25	3180128.08	1504.8	28.7416132	-88.36982023	8:11:26 PM	4/14/2011	706.48	4288	2848	0.0368	157.81	104.81	1.65	7034	0.06	0.00
SPI1-315-500-B	366256.93	3180105.78	1505.4	28.7414135	-88.3696673	8:17:14 PM	4/14/2011	703.41	4288	2848	0.0370	158.50	105.27	1.67	10740	0.09	0.01
SPI1-315-500-C	366275.6	3180076.23	1506.2	28.74114878	-88.36947267	8:23:46 PM	4/14/2011	703.41	4288	2848	0.0370	158.50	105.27	1.67	9138	0.07	0.00
SPI1-315-5200-A	363233.31	3183624.43	1390.9	28.77284714	-88.40104861	3:16:22 PM	4/20/2011	689.49	4288	2848	0.0377	161.70	107.40	1.74	0	0.00	0.00
SPI1-315-5200-B	363185.22	3183663.43	1388.2	28.77319394	-88.40154586	3:27:01 PM	4/20/2011	699.56	4288	2848	0.0372	159.37	105.85	1.69	0	0.00	0.00
SPI1-315-5200-C	363180.26	3183704.49	1387.9	28.77356389	-88.40160161	3:39:10 PM	4/20/2011	693.49	4288	2848	0.0375	160.76	106.78	1.72	0	0.00	0.00
SPI1-315-5500-A	363065.91	3183863.16	1383	28.77498347	-88.40279189	4:16:53 PM	4/20/2011	724.47	4288	2848	0.0359	153.89	102.21	1.57	0	0.00	0.00
SPI1-315-5500-B	363024.47	3183904.65	1374.7	28.77535347	-88.40322131	4:26:52 PM	4/20/2011	714.44	4288	2848	0.0364	156.05	103.64	1.62	0	0.00	0.00
SPI1-315-5500-C	362993.86	3183935.34	1380.9	28.77562719	-88.40353856	4:38:09 PM	4/20/2011	676.54	4288	2848	0.0384	164.79	109.45	1.80	0	0.00	0.00
SPI1-315-700-A	366118.45	3180301.85	1499	28.74316841	-88.37110825	7:26:09 PM	4/14/2011	709.44	4288	2848	0.0366	157.15	104.38	1.64	10123	0.08	0.01
SPI1-315-700-B	366148.3	3180282.03	1499.9	28.74299266	-88.37080029	7:33:36 PM	4/14/2011	692.45	4288	2848	0.0375	161.01	106.94	1.72	9169	0.08	0.00
SPI1-315-700-C	366176.85	3180248.27	1501.1	28.74269098	-88.37050399	7:41:02 PM	4/14/2011	682.42	4288	2848	0.0381	163.37	108.51	1.77	10851	0.09	0.01
SPI1-315-900-A	365999.59	3180434.77	1494.2	28.74435549	-88.37234091	6:51:50 PM	4/14/2011	685.53	4288	2848	0.0379	162.63	108.02	1.76	3093	0.03	0.00
SPI1-315-900-B	366021.32	3180422.91	1494.8	28.74425072	-88.37211702	6:57:49 PM	4/14/2011	706.41	4288	2848	0.0368	157.82	104.82	1.65	294	0.00	0.00
SPI1-315-900-C	366040.82	3180421.67	1495.3	28.74424156	-88.37191721	7:02:51 PM	4/14/2011	686.46	4288	2848	0.0379	162.41	107.87	1.75	10285	0.08	0.01
SPI1-A-86-A	363391.25	3176525.78	1589	28.70880836	-88.39857761	8:02:34 PM	4/15/2011	694.53	4288	2848	0.0374	160.52	106.62	1.71	0	0.00	0.00
SPI1-A-86-B	363381.8	3176552.09	1582	28.70904478	-88.39867744	8:13:45 PM	4/15/2011	686.46	4288	2848	0.0379	162.41	107.87	1.75	0	0.00	0.00
SPI1-A-86-C	363400.39	3176561.84	1582	28.70913472	-88.39848836	8:22:34 PM	4/15/2011	685.46	4288	2848	0.0379	162.65	108.03	1.76	0	0.00	0.00
SPI1-ALTNF001-A	366176.57	3179287.36	1548.3	28.73401992	-88.37039367	8:41:47 AM	4/18/2011	679.46	4288	2848	0.0383	164.08	108.98	1.79	242752	1.99	0.13
SPI1-ALTNF001-B	366177.09	3179309.53	1546.3	28.73422003	-88.37039094	8:47:04 AM	4/18/2011	670.47	4288	2848	0.0388	166.28	110.44	1.84	160599	1.32	0.08
SPI1-ALTNF001-C	366178.29	3179320.43	1543.5	28.73431856	-88.37037994	8:52:48 AM	4/18/2011	669.54	4288	2848	0.0388	166.51	110.60	1.84	70930	0.58	0.04
SPI1-ALTNF015-A	366524.32	3176581.58	1608.2	28.70963968	-88.3665159	9:48:57 PM	4/20/2011	708.48	4288	2848	0.0367	157.36	104.52	1.64	0	0.00	0.00

Preliminary Draft Data

Station	Easting	Northing	Depth (m)	Latitude	Longitude	Time Stamp on Image	Date	Scale (pixels)	Width (pixels)	Height (pixels)	Resolution (cm per pixel)	Width (cm)	Height (cm)	Area (m^2)	Beggiatoa (pixel area)	Beggiatoa (% cover)	Beggiatoa (m^2)
SPI1-ALTNF015-B	366499.8	3176613.32	1607.5	28.70992356	-88.3667706	10:00:54 PM	4/20/2011	687.53	4288	2848	0.0378	162.16	107.70	1.75	0	0.00	0.00
SPI1-ALTNF015-C	366535.14	3176639.74	1606.2	28.71016562	-88.36641197	10:11:27 PM	4/20/2011	686.53	4288	2848	0.0379	162.39	107.86	1.75	0	0.00	0.00
SPI1-CH_GIP 18-A	369147.86	3179794.46	1563.2	28.73890089	-88.34003206	2:39:43 AM	4/21/2011	682.53	4288	2848	0.0381	163.35	108.49	1.77	0	0.00	0.00
SPI1-CH_GIP 18-B	369119.77	3179740.87	1559.9	28.73841444	-88.34031353	2:45:09 AM	4/21/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-CH_GIP 18-C	369149.51	3179787.74	1561.8	28.73884039	-88.34001439	2:50:16 AM	4/21/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-CH_GIP 24-A	365185.52	3183315.82	1399.4	28.77026825	-88.38101825	6:13:25 PM	4/20/2011	713.44	4288	2848	0.0364	156.27	103.79	1.62	0	0.00	0.00
SPI1-CH_GIP 24-B	365176.24	3183345.69	1408.9	28.77053678	-88.38111675	6:22:49 PM	4/20/2011	689.49	4288	2848	0.0377	161.70	107.40	1.74	0	0.00	0.00
SPI1-CH_GIP 24-C	365148.43	3183344.07	1406.5	28.77051925	-88.38140139	6:33:46 PM	4/20/2011	685.53	4288	2848	0.0379	162.63	108.02	1.76	0	0.00	0.00
SPI1-CH_Well-A	367042.68	3179912.55	1526.9	28.73975108	-88.36159972	3:19:53 PM	4/18/2011	704.38	4288	2848	0.0369	158.28	105.13	1.66	256326	2.10	0.13
SPI1-CH_Well-B	367074	3179942.08	1526.1	28.74002083	-88.36128244	3:36:18 PM	4/18/2011	688.45	4288	2848	0.0378	161.94	107.56	1.74	295385	2.42	0.15
SPI1-CH_Well-C	367035.2	3179976.1	1524.6	28.74032383	-88.36168369	3:47:05 PM	4/18/2011	689.45	4288	2848	0.0377	161.71	107.40	1.74	128876	1.06	0.07
SPI1-D031S-A	367335.3	3178996.79	1576.9	28.73151769	-88.35849681	8:02:47 PM	4/20/2011	707.48	4288	2848	0.0368	157.58	104.66	1.65	18326	0.15	0.01
SPI1-D031S-B	367321.06	3179002.75	1575.2	28.73156997	-88.35864322	8:12:07 PM	4/20/2011	712.44	4288	2848	0.0365	156.49	103.94	1.63	31944	0.26	0.02
SPI1-D031S-C	367305.31	3179031.89	1573.5	28.73183133	-88.35880789	8:21:20 PM	4/20/2011	694.49	4288	2848	0.0374	160.53	106.62	1.71	14398	0.12	0.01
SPI1-D038SW-A	366366.32	3179998.14	1508	28.7404535	-88.36853461	8:50:57 PM	4/14/2011	713.44	4288	2848	0.0364	156.27	103.79	1.62	0	0.00	0.00
SPI1-D038SW-B	366396.12	3179987.96	1508.4	28.74036475	-88.36822833	8:57:16 PM	4/14/2011	709.48	4288	2848	0.0366	157.14	104.37	1.64	0	0.00	0.00
SPI1-D038SW-C	366398.13	3179967.05	1508.4	28.74017631	-88.36820533	9:01:10 PM	4/14/2011	666.55	4288	2848	0.0390	167.26	111.09	1.86	0	0.00	0.00
SPI1-D040S-A	366971.82	3180155.63	1516.4	28.74193731	-88.36235361	5:23:25 PM	4/18/2011	688.45	4288	2848	0.0378	161.94	107.56	1.74	140978	1.15	0.07
SPI1-D040S-B	366987.42	3180180.86	1515.9	28.74216658	-88.36219686	5:31:24 PM	4/18/2011	691.49	4288	2848	0.0376	161.23	107.08	1.73	194989	1.60	0.10
SPI1-D040S-C	366996.26	3180191.11	1514.7	28.74225994	-88.36210758	5:38:04 PM	4/18/2011	702.41	4288	2848	0.0370	158.72	105.42	1.67	539060	4.41	0.28
SPI1-D042S-A	366174.38	3180238.98	1501	28.74260689	-88.37052819	7:43:26 PM	4/14/2011	684.39	4288	2848	0.0380	162.90	108.20	1.76	0	0.00	0.00
SPI1-D042S-B	366193.38	3180224.69	1501.4	28.74247992	-88.37033197	7:48:45 PM	4/14/2011	702.41	4288	2848	0.0370	158.72	105.42	1.67	0	0.00	0.00
SPI1-D042S-C	366204.2	3180208.79	1501.7	28.74233756	-88.37021931	7:53:52 PM	4/14/2011	706.41	4288	2848	0.0368	157.82	104.82	1.65	0	0.00	0.00
SPI1-D043S-A	408931.15	3207100.43	1492.9	28.98876014	-87.93487586	7:18:46 PM	4/22/2011	681.54	4288	2848	0.0381	163.58	108.65	1.78	0	0.00	0.00
SPI1-D043S-B	408942.44	3207138.86	1492.1	28.98910775	-87.93476306	7:29:56 PM	4/22/2011	694.49	4288	2848	0.0374	160.53	106.62	1.71	0	0.00	0.00
SPI1-D043S-C	408968.12	3207162.99	1490.8	28.98932733	-87.93450147	7:40:52 PM	4/22/2011	689.53	4288	2848	0.0377	161.69	107.39	1.74	0	0.00	0.00
SPI1-D044S-A	365829.85	3180518.24	1490.8	28.74509104	-88.37408872	6:00:41 PM	4/14/2011	696.38	4288	2848	0.0373	160.10	106.33	1.70	0	0.00	0.00
SPI1-D044S-B	365800.96	3180509.6	1491.4	28.74501007	-88.3743835	6:07:12 PM	4/14/2011	695.41	4288	2848	0.0374	160.32	106.48	1.71	0	0.00	0.00
SPI1-D044S-C	365789.19	3180504.16	1492.1	28.74495975	-88.37450337	6:12:41 PM	4/14/2011	701.41	4288	2848	0.0371	158.95	105.57	1.68	0	0.00	0.00
SPI1-D050S-A	368352.85	3185707.07	1431.9	28.79217403	-88.34885767	6:26:13 AM	4/20/2011	667.51	4288	2848	0.0390	167.02	110.93	1.85	0	0.00	0.00
SPI1-D050S-B	368405.6	3185704.54	1431.3	28.79215656	-88.34831711	6:37:56 AM	4/20/2011	689.49	4288	2848	0.0377	161.70	107.40	1.74	0	0.00	0.00
SPI1-D050S-C	368381.96	3185749.62	1431.3	28.79256091	-88.34856444	6:45:22 AM	4/20/2011	685.46	4288	2848	0.0379	162.65	108.03	1.76	0	0.00	0.00
SPI1-D062S-A	311330.26	3128205.84	1290.6	28.26633061	-88.92343588	3:59:30 AM	4/9/2011	355.86	4288	2848	0.0731	313.29	208.08	6.52	0	0.00	0.00
SPI1-D062S-B	311353.8	3128248.85	1289.9	28.26672202	-88.92320298	4:02:03 AM	4/9/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-D062S-C	311435.6	3128256.49	1289	28.26680268	-88.92237067	4:03:59 AM	4/9/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-HiPro-A	345517.9	3159322.44	1557.3	28.55156724	-88.57918223	11:38:02 AM	4/9/2011	355.98	4288	2848	0.0730	313.19	208.01	6.51	0	0.00	0.00
SPI1-HiPro-B	345527.42	3159327.53	1557.4	28.5516143	-88.57908563	11:44:22 AM	4/9/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-HiPro-C	345526.71	3159289.21	1557.5	28.55126845	-88.57908772	11:49:02 AM	4/9/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-Joye026-A	367049.58	3175828.38	1617.7	28.70289719	-88.36105158	11:21:57 PM	4/20/2011	698.41	4288	2848	0.0372	159.63	106.02	1.69	0	0.00	0.00
SPI1-Joye026-B	367054.56	3175832.23	1616.9	28.70293239	-88.36100103	11:21:24 PM	4/20/2011	674.46	4288	2848	0.0385	165.30	109.79	1.81	0	0.00	0.00
SPI1-Joye026-C	367091.65	3175861.68	1617.1	28.70320197	-88.36062492	11:40:31 PM	4/20/2011	697.52	4288	2848	0.0373	159.83	106.16	1.70	0	0.00	0.00
SPI1-LBNL10-A	333051.26	3144421.35	1387.4	28.41557805	-88.70441608	6:49:44 AM	4/9/2011	351.16	4288	2848	0.0740	317.48	210.87	6.69	0	0.00	0.00
SPI1-LBNL10-B	333066.4	3144402.01	1387.6	28.41540548	-88.70425878	6:54:36 AM	4/9/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-LBNL10-C	333074.75	3144400.14	1387.7	28.41538968	-88.70417329	7:00:21 AM	4/9/2011	362.93	4288	2848	0.0716	307.19	204.03	6.27	0	0.00	0.00
SPI1-LBNL14-A	361645.23	3178901.61	1537.1	28.73006089	-88.41673764	5:00:49 PM	4/17/2011	688.45	4288	2848	0.0378	161.94	107.56	1.74	0	0.00	0.00
SPI1-LBNL14-B	361626.48	3178893.2	1536.4	28.72998303	-88.4169285	5:08:22 PM	4/17/2011	696.38	4288	2848	0.0373	160.10	106.33	1.70	0	0.00	0.00
SPI1-LBNL14-C	361603.34	3178907.29	1536	28.73010764	-88.41716711	5:15:44 PM	4/17/2011	708.37	4288	2848	0.0367	157.39	104.53	1.65	0	0.00	0.00
SPI1-LBNL1-A	365572.68	3179003.95	1561.6	28.73139972	-88.37654269	5:46:52 AM	4/18/2011	675.46	4288	2848	0.0385	165.05	109.63	1.81	30869	0.25	0.02
SPI1-LBNL1-B	365565.41	3179016.72	1560.4	28.73151425	-88.37661864	5:52:22 AM	4/18/2011	720.37	4288	2848	0.0361	154.76	102.79	1.59	24112	0.20	0.01
SPI1-LBNL1-C	365559.83	3179033.85	1558.6	28.73166825	-88.37667778	5:59:02 AM	4/18/2011	691.53	4288	2848	0.0376	161.22	107.08	1.73	24580	0.20	0.01

Preliminary Draft Data

Station	Easting	Northing	Depth (m)	Latitude	Longitude	Time Stamp on Image	Date	Scale (pixels)	Width (pixels)	Height (pixels)	Resolution (cm per pixel)	Width (cm)	Height (cm)	Area (m^2)	Beggiatoa (pixel area)	Beggiatoa (% cover)	Beggiatoa (m^2)
SPI1-LBNL7-A	356174.01	3168907.06	1529.6	28.63927757	-88.47148581	3:01:46 PM	4/9/2011	351.03	4288	2848	0.0741	317.60	210.94	6.70	0	0.00	0.00
SPI1-LBNL7-B	356181.38	3168929.41	1529.4	28.63948007	-88.47141324	3:08:07 PM	4/9/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-LBNL7-C	356178.27	3168938.45	1529.2	28.63956129	-88.47144619	3:12:50 PM	4/9/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-LBNL9-A	343367.86	3155202.36	1500.2	28.51413412	-88.60059189	9:25:38 AM	4/9/2011	355.61	4288	2848	0.0731	313.51	208.23	6.53	0	0.00	0.00
SPI1-LBNL9-B	343384.28	3155196.9	1500.3	28.51408683	-88.60042341	9:30:48 AM	4/9/2011	no lasers	4288	2848	na	na	na	na	na	na	na
SPI1-LBNL9-C	343391.49	3155192.63	1500.5	28.51404917	-88.60034917	9:35:31 AM	4/9/2011	349.31	4288	2848	0.0744	319.17	211.98	6.77	0	0.00	0.00
SPI1-MC292/FF005-A	347321.48	3187157.71	981	28.80293892	-88.56447915	5:51:22 AM	4/14/2011	670.50	4288	2848	0.0388	166.28	110.44	1.84	0	0.00	0.00
SPI1-MC292/FF005-B	347323.54	3187160.56	981	28.80296488	-88.56445844	5:59:39 AM	4/14/2011	661.59	4288	2848	0.0393	168.52	111.92	1.89	0	0.00	0.00
SPI1-MC292/FF005-C	347288.08	3187181.12	979.4	28.80314617	-88.56482445	6:10:28 AM	4/14/2011	689.42	4288	2848	0.0377	161.71	107.41	1.74	0	0.00	0.00
SPI1-NF006MOD-A	367250.66	3180467.91	1516.9	28.744784	-88.35953517	7:01:49 PM	4/18/2011	682.46	4288	2848	0.0381	163.36	108.50	1.77	149416	1.22	0.08
SPI1-NF006MOD-B	367273.9	3180484.46	1516.9	28.74493572	-88.35929911	7:08:41 PM	4/18/2011	674.50	4288	2848	0.0385	165.29	109.78	1.81	71989	0.59	0.04
SPI1-NF006MOD-C	367292	3180509.44	1516.5	28.74516303	-88.35911675	7:17:44 PM	4/18/2011	712.44	4288	2848	0.0365	156.49	103.94	1.63	96416	0.79	0.05
SPI1-NF008-A	364420.67	3177733.52	1583.6	28.71981519	-88.38818503	10:10:41 PM	4/17/2011	677.46	4288	2848	0.0384	164.57	109.30	1.80	0	0.00	0.00
SPI1-NF008-B	364417.01	3177746.63	1582.9	28.71993308	-88.38822406	10:16:31 PM	4/17/2011	694.41	4288	2848	0.0374	160.55	106.63	1.71	0	0.00	0.00
SPI1-NF008-C	364413.39	3177762.09	1582.4	28.72007228	-88.388263	10:22:21 PM	4/17/2011	686.49	4288	2848	0.0379	162.40	107.86	1.75	0	0.00	0.00
SPI1-NF009-A	363598.08	3179815.78	1489.6	28.73851808	-88.39685531	7:14:41 AM	4/17/2011	715.37	4288	2848	0.0363	155.85	103.51	1.61	0	0.00	0.00
SPI1-NF009-B	363575.25	3179801.67	1490.5	28.73838831	-88.39708733	7:22:46 AM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-NF009-C	363558.01	3179795.74	1490.8	28.738333	-88.39726314	7:29:53 AM	4/17/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-NF010-A	364389.34	3181843.85	1421.7	28.75690211	-88.38899629	9:48:20 AM	4/14/2011	726.30	4288	2848	0.0358	153.50	101.95	1.56	0	0.00	0.00
SPI1-NF010-B	364393.68	3181851.56	1421	28.75697214	-88.38895277	9:57:19 AM	4/14/2011	655.48	4288	2848	0.0397	170.09	112.97	1.92	0	0.00	0.00
SPI1-NF010-C	364398.32	3181848.99	1421.2	28.75694944	-88.38890495	10:04:01 AM	4/14/2011	672.39	4288	2848	0.0387	165.81	110.13	1.83	0	0.00	0.00
SPI1-NF012-A	368727.49	3181861.39	1521.5	28.75750972	-88.34457489	2:53:36 AM	4/19/2011	668.43	4288	2848	0.0389	166.79	110.78	1.85	0	0.00	0.00
SPI1-NF012-B	368753.91	3181878.56	1520.7	28.75766736	-88.34430639	3:01:14 AM	4/19/2011	659.51	4288	2848	0.0394	169.05	112.28	1.90	0	0.00	0.00
SPI1-NF012-C	368764.28	3181912.33	1519.8	28.75797319	-88.34420411	3:08:57 AM	4/19/2011	691.38	4288	2848	0.0376	161.25	107.10	1.73	0	0.00	0.00
SPI1-NF013-A	369583.68	3179743.69	1561.7	28.7384869	-88.3355641	3:53:17 AM	4/21/2011	693.49	4288	2848	0.0375	160.76	106.78	1.72	0	0.00	0.00
SPI1-NF013-B	369593.71	3179739.06	1561.6	28.73844614	-88.33546088	4:01:45 AM	4/21/2011	681.50	4288	2848	0.0382	163.59	108.65	1.78	0	0.00	0.00
SPI1-NF013-C	369632.94	3179745.02	1562.1	28.73850389	-88.3350599	4:08:16 AM	4/21/2011	693.57	4288	2848	0.0375	160.75	106.76	1.72	0	0.00	0.00
SPI1-NF014-A	368693.1	3177629.64	1581.4	28.71931967	-88.3444381	12:58:41 AM	4/21/2011	683.46	4288	2848	0.0380	163.12	108.34	1.77	0	0.00	0.00
SPI1-NF014-B	368660.87	3177636.7	1580.9	28.7193801	-88.34476884	1:06:05 AM	4/21/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-NF014-C	368642.93	3177640.69	1578.7	28.71941428	-88.34495294	1:13:17 AM	4/21/2011	669.59	4288	2848	0.0388	166.50	110.59	1.84	0	0.00	0.00
SPI1-RIP_D040S-A	366965.19	3180122.21	1517.4	28.74163503	-88.36241756	4:48:36 PM	4/18/2011	693.42	4288	2848	0.0375	160.78	106.79	1.72	76583	0.63	0.04
SPI1-RIP_D040S-B	366936.1	3180128.64	1516.9	28.74169006	-88.36271619	4:55:09 PM	4/18/2011	702.41	4288	2848	0.0370	158.72	105.42	1.67	22066	0.18	0.01
SPI1-RIP_D040S-C	366892.34	3180144.87	1517	28.74183197	-88.36316611	5:00:57 PM	4/18/2011	703.38	4288	2848	0.0370	158.50	105.27	1.67	135513	1.11	0.07
SPI1-RK_HIPRO-A	345498.81	3159177.01	1557.5	28.55025278	-88.57935775	12:19:18 PM	4/9/2011	361.20	4288	2848	0.0720	308.66	205.01	6.33	0	0.00	0.00
SPI1-RK_HIPRO-B	345476.63	3159151.38	1556.9	28.55001883	-88.57958097	12:26:38 PM	4/9/2011	352.88	4288	2848	0.0737	315.94	209.84	6.63	0	0.00	0.00
SPI1-RK_HIPRO-C	345463.58	3159140.76	1556.9	28.54992147	-88.57971292	12:34:23 PM	4/9/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-RK-MT2-A	238315.58	3149785	668.4	28.44841125	-89.67210233	5:53:35 AM	4/8/2011	337.29	4288	2848	0.0771	330.54	219.54	7.26	0	0.00	0.00
SPI1-RK-MT2-B	238295.95	3149751.68	669.7	28.44810688	-89.67229504	6:02:19 AM	4/8/2011	336.44	4288	2848	0.0773	331.38	220.09	7.29	0	0.00	0.00
SPI1-RK-MT2-C	238273.6	3149758.47	668.4	28.44816362	-89.6725246	6:07:52 AM	4/8/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-RK-MT3-A	255238.29	3124249.48	972.9	28.22140867	-89.49405445	5:49:43 PM	4/8/2011	346.34	4288	2848	0.0751	321.90	213.80	6.88	0	0.00	0.00
SPI1-RK-MT3-B	255234.81	3124252.43	972.8	28.22143463	-89.4940905	5:57:01 PM	4/8/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-RK-MT3-C	255235.68	3124246.85	972.8	28.22138447	-89.49408047	6:00:15 PM	4/8/2011	no image	4288	2848	na	na	na	na	na	na	na
SPI1-VK916-A	413503.16	3220115.57	1124.4	29.10653753	-87.88895272	5:17:01 PM	4/22/2011	649.65	4288	2848	0.0400	171.61	113.98	1.96	0	0.00	0.00
SPI1-VK916-B	413524.51	3220122.6	1124.7	29.10660239	-87.88873381	5:23:40 PM	4/22/2011	678.58	4288	2848	0.0383	164.30	109.12	1.79	0	0.00	0.00
SPI1-VK916-C	413541.74	3220158.93	1126.2	29.10693142	-87.88855956	5:31:45 PM	4/22/2011	723.50	4288	2848	0.0359	154.10	102.35	1.58	0	0.00	0.00

Preliminary Draft Data

Station	Floc mats	Dark depositional layer	Reduced sediment	Grey depositedmuds	Bedforms	Debris	Tubes	Burrows
SP1-FFMT4-A	0	0	0	0	flat	0	0	sparse
SP1-FFMT4-B	na	na	na	na	na	na	na	na
SP1-FFMT4-C	na	na	na	na	na	na	na	na
SPI1-000-1100-A	0	high	low	low	flat	DRCs (dark, reduced clasts) - appear pyrogenic	present	0
SPI1-000-1100-B	0	high	low	0	flat	DRCs	present	0
SPI1-000-1100-C	0	medium	low	0	flat	DRCs	present	0
SPI1-000-1300-A	0	medium	low	0	Approx 1m diameter trench (ROV?), otherwise flat	DRCs	present	0
SPI1-000-1300-B	0	low	low	low	Approx 1m diameter trench (ROV?), otherwise flat	DRCs	present	present
SPI1-000-1300-C	0	medium	low	0	flat	DRc's (large), small olive coloured pebble like structures	present	sparse
SPI1-000-1500-A	0	low	low	0	flat	DRCs (large), small olive coloured pebble like structures, shell fragments	present	present
SPI1-000-1500-B	0	low	low	0	flat	DRCs (large), small olive coloured pebble like structures, shell fragments	present	0
SPI1-000-1500-C	0	low	low	0	flat	DRCs (large), small olive coloured pebble like structures, shell fragments	present	sparse
SPI1-000-1700-A	0	low	low	0	flat	DRCs (small)	present	present
SPI1-000-1700-B	0	medium	low	low	flat	DRCs (large & small), shell fragments	present	present
SPI1-000-1700-C	0	medium	low	0	flat	DRCs (large), small olive coloured pebble like structures,	present	present
SPI1-000-1900-A	0	low	low	low	flat	DRCs (large & small)	present	abundant
SPI1-000-1900-B	0	medium	low	low	flat	DRCs (large & small), olive coloured pebbles	present	present
SPI1-000-1900-C	0	medium	low	low	flat	DRCs (large & small), olive coloured pebbles, shell fragments	present	sparse
SPI1-000-200-A	0	medium	medium	medium	flat	a few small to medium DRCs	present	0
SPI1-000-200-B	0	medium	medium	low	flat	0	present	sparse
SPI1-000-200-C	0	high	medium	low	flat	0	present	0
SPI1-000-2100-A	0	medium	low	low	flat	DRCs (small), olive coloured pebble size structures	present	sparse
SPI1-000-2100-B	0	medium	low	0	flat	DRCs (small), oilive coloured pebble size structures, shell fragments	present	sparse
SPI1-000-2100-C	0	medium	low	low	flat	DRCs (large & small), shell fragments	present	present
SPI1-000-2300-A	0	low	low	0	flat	DRCs (large & small),shell fragments	present	present
SPI1-000-2300-B	0	low	low	0	flat	DRCs (large & small),shell fragments	present	present
SPI1-000-2300-C	0	low	low	low	flat	DRCs (small),shell fragments	present	sparse
SPI1-000-2500-A	0	low	low	low	flat	DRCs (small), shell fragments	present	sparse
SPI1-000-2500-B	0	low	0	0	flat	DRCs (small), shell fragments	present	sparse
SPI1-000-2500-C	0	low	low	0	flat	DRCs (small), some shell fragments	present	present
SPI1-000-2800-A	0	low	0	0	flat	sparse DRCs (small), shell fragments	present	present
SPI1-000-2800-B	0	low	0	0	flat	sparse DRCs (small), olive coloured pebble structures, shell fragments	present	sparse
SPI1-000-2800-C	0	low	0	0	flat	sparse DRCs (small), olive coloured pebble structures, shell fragments	present	sparse

Preliminary Draft Data

Station	Floc mats	Dark depositional layer	Reduced sediment	Grey depositedmuds	Bedforms	Debris	Tubes	Burrows
SPI1-000-3100-A	0	low	0	0	flat	sparse DRCs (small), olive coloured pebble structures, shell fragments	present	present
SPI1-000-3100-B	0	low	0	0	flat	very sparse DRCs (small)	present	present
SPI1-000-3100-C	0	low	0	0	flat	very sparse DRCs (small)	present	sparse
SPI1-000-3400-A	0	low	0	0	flat	very sparse DRCs (small)	present	present
SPI1-000-3400-B	0	low	0	0	flat	very sparse DRCs (small)	present	present
SPI1-000-3400-C	0	low	0	0	flat	very sparse DRCs (small)	present	present
SPI1-000-3700-A	0	0	0	0	flat	very sparse DRCs (small)	present	present
SPI1-000-3700-B	0	0	0	0	flat	very sparse DRCs (small)	present	present
SPI1-000-3700-C	0	0	0	0	flat	0	sparse	abundant
SPI1-000-4000-A	0	0	0	0	flat	3 DRCs	sparse	present
SPI1-000-4000-B	0	0	0	0	flat	sparse DRCs	sparse	present
SPI1-000-4000-C	0	0	0	0	flat	spares DRCs	present	sparse
SPI1-000-4300-A	0	0	0	0	flat	1 large DRC	present	present
SPI1-000-4300-B	0	0	0	0	flat	1 small DRC	present	present
SPI1-000-4300-C	0	0	0	0	flat	1 large DRC	present	present
SPI1-000-4600-A	0	0	0	0	flat	0	present	present
SPI1-000-4600-B	0	0	0	0	flat	0	present	present
SPI1-000-4600-C	0	0	0	0	flat	0	present	present
SPI1-000-4900-A	0	0	0	0	flat	0	sparse	present
SPI1-000-4900-B	0	0	0	0	flat	0	sparse	present
SPI1-000-4900-C	0	0	0	0	flat	0	sparse	present
SPI1-000-5200-A	0	0	0	0	flat	0	sparse	abundant
SPI1-000-5200-B	0	0	0	0	flat	0	sparse	present
SPI1-000-5200-C	0	0	0	0	flat	0	sparse	present
SPI1-000-5500-A	0	0	0	0	flat	0	present	dense
SPI1-000-5500-B	0	0	0	0	flat	0	present	dense
SPI1-000-5500-C	0	0	0	0	flat	0	present	dense
SPI1-000-700-A	0	high	low	medium	flat	DRCs	present	present
SPI1-000-700-B	0	high	low	medium	flat	DRCs	present	sparse
SPI1-000-700-C	0	medium	low	medium	flat	DRCs	present	sparse
SPI1-000-900-A	0	high	medium	0	flat	DRCs	present	0
SPI1-000-900-B	0	high	medium	0	flat	DRCs	present	0
SPI1-000-900-C	0	high	medium	low	flat	large, solid DRC at bottom of image, other small & large DRCs scattered	present	0
SPI1-000-NF011-A	0	0	low	low	flat	a few DRCs (small & large)	present	present
SPI1-000-NF011-B	0	0	low	low	flat	a few DRCs (small & large)	present	present
SPI1-000-NF011-C	0	0	low	low	drag scar, otherwise flat	a few DRCs (small & large)	present	present
SPI1-045-1100-A	0	low	medium	low	flat	0	present	present
SPI1-045-1100-B	0	low	medium	low	flat	0	present	present
SPI1-045-1100-C	0	low	low	low	flat	0	present	present
SPI1-045-1300-A	0	0	low	low	flat	0	present	present
SPI1-045-1300-B	0	low	low	low	flat	0	present	present
SPI1-045-1300-C	0	low	low	low	flat	0	present	present
SPI1-045-1500-A	0	low	low	low	flat	0	present	present
SPI1-045-1500-B	0	low	0	low	flat	0	present	present

Preliminary Draft Data

Station	Floc mats	Dark depositional layer	Reduced sediment	Grey depositedmuds	Bedforms	Debris	Tubes	Burrows
SPI1-045-1500-C	0	low	0	low	flat	long non-biogenic rod like structure in lower central part of image	present	present
SPI1-045-1700-A	0	low	low	low	flat	0	present	present
SPI1-045-1700-B	0	low	low	low	flat	0	present	abundant
SPI1-045-1700-C	0	0	0	low	flat	0	present	present
SPI1-045-1900-A	0	low	medium	0	flat	0	present	sparse
SPI1-045-1900-B	0	low	low	0	flat	0	present	sparse
SPI1-045-1900-C	0	low	0	0	flat	0	present	sparse
SPI1-045-200-A	0	low	low	low	flat	Structural debris	dense	0
SPI1-045-200-B	medium	low	high	0	flat	a few DRCs (small)	dense	sparse
SPI1-045-200-C	medium	low	high	0	flat	orange (iron deposit?), some DRCs	dense	sparse
SPI1-045-2100-A	0	low	low	0	flat	0	present	present
SPI1-045-2100-B	0	low	low	low	flat	0	present	sparse
SPI1-045-2100-C	0	low	0	0	flat	0	present	sparse
SPI1-045-2300-A	0	low	0	0	flat	0	present	sparse
SPI1-045-2300-B	0	low	low	0	flat	large solid DRC	present	sparse
SPI1-045-2300-C	0	low	0	0	flat	0	present	sparse
SPI1-045-2500-A	0	low	0	0	flat	0	present	present
SPI1-045-2500-B	0	low	0	0	flat	0	present	present
SPI1-045-2500-C	0	low	0	0	flat	0	present	present
SPI1-045-2800-A	0	low	0	0	flat	metal bar?	present	present
SPI1-045-2800-B	0	low	0	0	flat	0	present	present
SPI1-045-2800-C	0	low	0	0	flat	0	present	presnt
SPI1-045-300-A	low	high	medium	low	flat	small & large DRCs	dense	0
SPI1-045-300-B	0	medium	medium	low	flat		dense	0
SPI1-045-300-C	low	low	medium	low	flat	speckles of DRCs (small)	dense	sparse
SPI1-045-3100-A	0	low	low	0	flat	0	present	present
SPI1-045-3100-B	0	low	0	0	flat	0	present	sparse
SPI1-045-3100-C	0	low	0	0	flat	0	present	sparse
SPI1-045-3400-A	0	low	0	0	flat	0	present	present
SPI1-045-3400-B	0	0	0	low	flat	0	present	present
SPI1-045-3400-C	0	0	0	0	flat	0	present	present
SPI1-045-3700-A	0	low	0	low	flat	0	present	present
SPI1-045-3700-B	0	low	0	0	flat	0	present	present
SPI1-045-3700-C	0	low	0	0	flat	0	present	present
SPI1-045-4000-A	na	na	na	na	na	na	na	na
SPI1-045-4000-B	na	na	na	na	na	na	na	na
SPI1-045-4000-C	na	na	na	na	na	na	na	na
SPI1-045-400-A	0	low	high	low	flat	speckles of DRCs (small)	dense	0
SPI1-045-400-B	0	medium	high	low	flat	0	present	sparse
SPI1-045-400-C	0	medium	medium	medium	flat	DRCs (small)	present	present
SPI1-045-4300-A	na	na	na	na	na	na	na	na
SPI1-045-4300-B	na	na	na	na	na	na	na	na
SPI1-045-4300-C	na	na	na	na	na	na	na	na
SPI1-045-4600-A	na	na	na	na	na	na	na	na
SPI1-045-4600-C	na	na	na	na	na	na	na	na
SPI1-045-4900-A	na	na	na	na	na	na	na	na
SPI1-045-4900-B	na	na	na	na	na	na	na	na
SPI1-045-4900-C	na	na	na	na	na	na	na	na
SPI1-045-500-A	0	medium	medium	medium	flat	0	present	0
SPI1-045-500-B	0	medium	medium	medium	flat	0	present	0

Preliminary Draft Data

Station	Floc mats	Dark depositional layer	Reduced sediment	Grey depositedmuds	Bedforms	Debris	Tubes	Burrows
SPI1-045-500-C	0	medium	medium	medium	flat	0	present	sparse
SPI1-045-5200-A	na	na	na	na	na	na	na	na
SPI1-045-5200-B	na	na	na	na	na	na	na	na
SPI1-045-5200-C	na	na	na	na	na	na	na	na
SPI1-045-700-A	0	medium	medium	low	flat	0	present	0
SPI1-045-700-B	0	medium	low	low	flat	0	present	0
SPI1-045-700-C	0	medium	low	low	flat	0	present	0
SPI1-045-900-A	0	medium	medium	medium	flat	0	present	0
SPI1-045-900-B	0	low	low	medium	flat	0	present	0
SPI1-045-900-C	0	low	low	medium	flat	0	present	0
SPI1-090-1100-A	0	low	low	low	flat	0	present	0
SPI1-090-1100-B	0	low	low	0	flat	0	present	0
SPI1-090-1100-C	0	low	low	medium	flat	0	present	0
SPI1-090-1300-A	0	low	low	medium	flat	0	present	0
SPI1-090-1300-B	0	low	low	medium	flat	0	present	0
SPI1-090-1300-C	0	low	low	medium	flat	0	present	0
SPI1-090-1500-A	0	low	low	low	flat	0	present	present
SPI1-090-1500-B	0	low	low	low	flat	0	present	present
SPI1-090-1500-C	0	low	low	low	flat	0	present	sparse
SPI1-090-1700-A	0	low	low	low	flat	0	present	sparse
SPI1-090-1700-B	0	low	low	low	flat	0	present	sparse
SPI1-090-1700-C	0	low	0	low	flat	0	present	sparse
SPI1-090-1900-A	0	low	0	low	flat	rod-shaped debris in upper left	present	sparse
SPI1-090-1900-B	0	low	0	low	flat	a few DRCs	present	sparse
SPI1-090-1900-C	0	low	0	low	flat		present	sparse
SPI1-090-200-A	0	low	0	0	flat	0	present	0
SPI1-090-200-B	na	na	na	na	flat	na	na	na
SPI1-090-200-C	na	na	na	na	na	na	na	na
SPI1-090-2100-A	0	0	0	low	flat	0	present	sparse
SPI1-090-2100-B	0	0	0	low	flat	0	present	sparse
SPI1-090-2100-C	0	0	0	low	flat	0	present	sparse
SPI1-090-2300-A	0	0	0	low	flat	unknown debris	present	sparse
SPI1-090-2300-B	0	0	0	low	flat	0	present	sparse
SPI1-090-2300-C	0	0	0	low	flat	0	present	sparse
SPI1-090-2500-A	0	0	0	low	flat	0	present	sparse
SPI1-090-2500-B	0	0	0	low	flat	0	present	sparse
SPI1-090-2500-C	0	0	0	low	flat	0	present	sparse
SPI1-090-2800-A	0	0	0	0	flat	0	present	sparse
SPI1-090-2800-B	0	0	0	0	flat	0	present	sparse
SPI1-090-2800-C	0	0	0	0	flat	0	present	sparse
SPI1-090-300-A	0	0	medium	0	flat	0	present	0
SPI1-090-300-B	0	0	medium	low	flat	0	present	0
SPI1-090-300-C	0	0	medium	0	flat	large DRC & metal debris	present	0
SPI1-090-3100-A	0	0	0	0	flat	0	present	sparse
SPI1-090-3100-B	0	0	0	0	flat	0	present	0
SPI1-090-3100-C	0	0	0	0	flat	0	present	0
SPI1-090-3400-A	0	0	0	0	flat	0	present	sparse
SPI1-090-3400-B	0	0	0	0	flat	0	present	present
SPI1-090-3400-C	0	0	0	0	flat	0	present	present
SPI1-090-3700-A	0	0	0	0	flat	0	present	sparse
SPI1-090-3700-B	0	0	0	0	flat	0	present	sparse

Preliminary Draft Data

Station	Floc mats	Dark depositional layer	Reduced sediment	Grey depositedmuds	Bedforms	Debris	Tubes	Burrows
SPI1-090-3700-C	0	0	0	0	flat	0	present	sparse
SPI1-090-4000-A	0	0	0	0	flat	0	present	present
SPI1-090-4000-B	0	0	0	0	flat	0	present	present
SPI1-090-4000-C	0	0	0	0	flat	0	present	present
SPI1-090-400-A	0	high	high	0	flat	0	present	0
SPI1-090-400-B	0	high	high	0	flat	0	present	0
SPI1-090-400-C	0	medium	high	0	flat	0	present	0
SPI1-090-4300-A	0	0	0	0	flat	0	present	sparse
SPI1-090-4300-B	0	0	0	0	flat	0	present	sparse
SPI1-090-4300-C	0	0	0	0	flat	0	present	sparse
SPI1-090-4600-A	0	0	0	0	flat	0	present	sparse
SPI1-090-4600-B	0	0	0	0	flat	0	present	sparse
SPI1-090-4600-C	0	0	0	0	flat	0	present	sparse
SPI1-090-4900-A	0	0	0	0	flat	0	present	present
SPI1-090-4900-B	na	na	na	na	na	na	na	na
SPI1-090-4900-C	0	0	0	0	flat	0	present	present
SPI1-090-500-A	0	medium	high	low	flat	0	present	0
SPI1-090-500-B	0	medium	medium	low	flat	0	present	0
SPI1-090-500-C	0	medium	high	low	flat	0	present	0
SPI1-090-5200-A	0	0	0	medium	flat	0	present	present
SPI1-090-5200-B	0	0	0	0	flat	0	present	present
SPI1-090-5200-C	0	0	0	0	flat	0	present	present
SPI1-090-5500-A	0	0	0	0	flat	0	present	sparse
SPI1-090-5500-B	0	0	0	0	flat	0	present	sparse
SPI1-090-5500-C	0	0	0	0	flat	0	present	sparse
SPI1-090-700-A	0	low	medium	low	flat	0	present	0
SPI1-090-700-B	0	low	medium	low	flat	0	present	0
SPI1-090-700-C	0	low	medium	low	flat	0	present	sparse
SPI1-090-900-A	0	low	low	low	flat	0	present	0
SPI1-090-900-B	0	low	low	low	flat	0	present	0
SPI1-090-900-C	0	low	low	low	flat	0	present	0
SPI1-135-1100-A	na	na	na	na	na	na	na	na
SPI1-135-1100-B	na	na	na	na	na	na	na	na
SPI1-135-1100-C	na	na	na	na	na	na	na	na
SPI1-135-1300-A	na	na	na	na	na	na	na	na
SPI1-135-1300-B	na	na	na	na	na	na	na	na
SPI1-135-1300-C	na	na	na	na	na	na	na	na
SPI1-135-1500-A	na	na	na	na	na	na	na	na
SPI1-135-1500-B	na	na	na	na	na	na	na	na
SPI1-135-1500-C	na	na	na	na	na	na	na	na
SPI1-135-1700-A	na	na	na	na	na	na	na	na
SPI1-135-1700-B	na	na	na	na	na	na	na	na
SPI1-135-1700-C	na	na	na	na	na	na	na	na
SPI1-135-1900-A	0	0	0	0	flat	0	present	sparse
SPI1-135-1900-B	0	0	0	0	flat	0	present	sparse
SPI1-135-1900-C	0	0	0	0	flat	0	present	sparse
SPI1-135-200-A	0	medium	medium	0	flat	a few small DRCs	sparse	0
SPI1-135-200-B	0	medium	medium	0	flat	0	sparse	0
SPI1-135-200-C	0	high	medium	0	flat	0	sparse	0
SPI1-135-2100-A	0	0	0	0	flat	0	present	sparse
SPI1-135-2100-B	0	0	0	0	flat	0	present	sparse

Preliminary Draft Data

Station	Floc mats	Dark depositional layer	Reduced sediment	Grey depositedmuds	Bedforms	Debris	Tubes	Burrows
SPI1-135-2100-C	0	0	0	0	flat	Unknown debris in lower right	present	sparse
SPI1-135-2300-A	0	0	0	0	flat	0	present	present
SPI1-135-2300-B	0	0	0	0	flat	0	present	present
SPI1-135-2300-C	0	0	0	0	flat	0	present	sparse
SPI1-135-2500-A	0	0	0	0	flat	0	present	sparse
SPI1-135-2500-B	0	0	0	medium	flat	0	present	sparse
SPI1-135-2500-C	0	0	0	low	flat	0	present	sparse
SPI1-135-2800-A	0	0	0	0	flat	0	present	sparse
SPI1-135-2800-B	0	0	0	0	flat	0	present	present
SPI1-135-2800-C	0	0	0	0	flat	0	present	present
SPI1-135-300-A	0	high	low	0	flat	0	sparse	0
SPI1-135-300-B	0	high	low	0	flat	0	sparse	0
SPI1-135-300-C	0	high	low	0	flat	0	sparse	0
SPI1-135-3100-A	0	0	0	0	flat	0	present	present
SPI1-135-3100-B	0	0	0	0	flat	0	present	present
SPI1-135-3100-C	0	0	0	0	flat	0	present	present
SPI1-135-3400-A	0	0	0	0	flat	0	present	present
SPI1-135-3400-B	0	0	0	0	flat	0	present	present
SPI1-135-3400-C	0	0	0	0	flat	0	present	present
SPI1-135-3700-A	0	0	0	0	flat	0	present	abundant
SPI1-135-3700-B	0	0	0	0	flat	0	present	abundant
SPI1-135-3700-C	0	0	0	0	flat	0	present	abundant
SPI1-135-4000-A	0	0	0	0	flat	0	present	present
SPI1-135-4000-B	0	0	0	0	flat	0	present	present
SPI1-135-4000-C	0	0	0	0	flat	0	present	present
SPI1-135-400-A	0	high	low	0	flat	0	sparse	sparse
SPI1-135-400-B	0	high	low	0	flat	0	sparse	0
SPI1-135-400-C	0	high	low	0	flat	0	sparse	0
SPI1-135-4300-A	0	0	0	0	flat	0	present	present
SPI1-135-4300-B	0	0	0	0	flat	0	present	present
SPI1-135-4300-C	0	0	0	0	flat	0	present	present
SPI1-135-4600-A	0	0	0	0	flat	0	present	sparse
SPI1-135-4600-B	0	0	0	0	flat	0	present	sparse
SPI1-135-4600-C	0	0	0	0	flat	0	present	sparse
SPI1-135-4900-A	0	0	0	0	flat	0	present	sparse
SPI1-135-4900-B	0	0	0	0	flat	0	present	sparse
SPI1-135-4900-C	0	0	0	0	flat	0	present	sparse
SPI1-135-500-A	0	high	0	low	flat	0	present	sparse
SPI1-135-500-B	0	medium	low	0	flat	0	present	sparse
SPI1-135-500-C	0	medium	medium	medium	flat	0	present	sparse
SPI1-135-5200-A	0	0	0	0	flat	0	present	sparse
SPI1-135-5200-B	0	0	0	0	flat	0	present	present
SPI1-135-5200-C	0	0	0	0	flat	0	present	sparse
SPI1-135-5500-A	0	0	0	0	flat	0	present	sparse
SPI1-135-5500-B	0	0	0	0	flat	0	present	sparse
SPI1-135-5500-C	0	0	0	0	flat	0	present	sparse
SPI1-135-700-A	0	medium	0	0	flat	0	present	0
SPI1-135-700-B	0	medium	0	0	flat	0	present	0
SPI1-135-700-C	0	medium	low	0	flat	0	present	sparse
SPI1-135-900-A	0	medium	low	0	flat	0	present	0
SPI1-135-900-B	0	medium	low	0	flat	0	present	0

Preliminary Draft Data

Station	Floc mats	Dark depositional layer	Reduced sediment	Grey depositedmuds	Bedforms	Debris	Tubes	Burrows
SPI1-135-900-C	na	na	na	na	na	na	na	na
SPI1-180-1100-A	0	low	0	low	flat	0	present	sparse
SPI1-180-1100-B	0	low	low	medium	Anthropogenic Disturbance (AD), cable	0	present	sparse
SPI1-180-1100-C	0	low	low	low	flat	0	present	sparse
SPI1-180-1300-A	0	medium	0	low	flat	0	present	sparse
SPI1-180-1300-B	0	medium	0	0	flat	0	present	sparse
SPI1-180-1300-C	0	low	0	0	flat	metal (?) rod	present	sparse
SPI1-180-1500-A	0	low	0	low	flat	0	present	sparse
SPI1-180-1500-B	0	low	0	low	flat	0	present	sparse
SPI1-180-1500-C	0	medium	0	low	flat	0	present	sparse
SPI1-180-1700-A	0	low	0	low	flat	0	present	sparse
SPI1-180-1700-B	0	low	0	low	flat	0	present	sparse
SPI1-180-1700-C	0	low	0	low	flat	0	present	sparse
SPI1-180-1900-A	0	low	0	low	flat	0	present	sparse
SPI1-180-1900-B	0	low	0	low	flat	0	present	sparse
SPI1-180-1900-C	0	low	0	low	flat	0	present	sparse
SPI1-180-200-A	0	0	0	high	lobed mud deposit	0	0	0
SPI1-180-200-B	na	na	na	na	na	na	na	na
SPI1-180-200-C	0	high	medium	low	flat	0	present	0
SPI1-180-2100-A	0	low	0	0	flat	0	present	sparse
SPI1-180-2100-B	0	low	0	0	flat, AD	0	present	sparse
SPI1-180-2100-C	0	low	0	0	flat	0	present	sparse
SPI1-180-2300-A	0	low	0	0	flat	0	present	sparse
SPI1-180-2300-B	na	na	na	na	na	na	present	na
SPI1-180-2300-C	0	low	0	0	flat	0	present	sparse
SPI1-180-2500-A	0	low	0	0	flat	0	present	sparse
SPI1-180-2500-B	na	na	na	na	na	na	na	na
SPI1-180-2500-C	0	low	0	0	flat	0	present	sparse
SPI1-180-2650-A	0	0	0	0	flat	0	present	sparse
SPI1-180-2650-B	0	0	0	0	flat	0	present	sparse
SPI1-180-2650-C	0	0	0	0	flat	0	present	sparse
SPI1-180-300-A	0	high	low	low	flat	0	sparse	0
SPI1-180-300-B	0	high	low	0	flat	na	na	na
SPI1-180-300-C	0	high	low	0	flat	0	present	0
SPI1-180-3100-A	0	0	low	0	flat	0	present	sparse
SPI1-180-3100-B	0	0	0	0	flat	0	present	sparse
SPI1-180-3100-C	0	0	0	0	flat	0	present	sparse
SPI1-180-3400-A	0	0	0	0	flat	0	present	sparse
SPI1-180-3400-B	0	0	0	0	flat	0	present	sparse
SPI1-180-3400-C	0	0	0	0	flat	0	present	sparse
SPI1-180-3700-A	0	0	0	0	flat	0	present	sparse
SPI1-180-3700-B	0	0	0	0	flat	0	sparse	sparse
SPI1-180-3700-C	0	0	0	0	flat	0	present	sparse
SPI1-180-4000-A	0	0	0	0	flat	0	present	sparse
SPI1-180-4000-B	0	0	0	0	flat	0	present	sparse
SPI1-180-4000-C	0	0	0	0	flat	0	present	sparse
SPI1-180-400-A	0	high	low	0	flat	0	present	0
SPI1-180-400-B	0	high	low	0	flat	0	present	0

Preliminary Draft Data

Station	Floc mats	Dark depositional layer	Reduced sediment	Grey depositedmuds	Bedforms	Debris	Tubes	Burrows
SPI1-180-400-C	0	high	low	0	flat	0	present	0
SPI1-180-4300-A	0	low	0	0	flat	0	present	sparse
SPI1-180-4300-B	0	low	0	0	flat	0	present	sparse
SPI1-180-4300-C	0	low	0	0	flat	0	sparse	sparse
SPI1-180-4600-A	0	low	0	0	flat	0	present	sparse
SPI1-180-4600-B	0	low	0	0	flat	0	present	sparse
SPI1-180-4600-C	0	0	0	0	flat	0	present	sparse
SPI1-180-4900-A	0	0	0	0	flat	0	present	sparse
SPI1-180-4900-B	0	0	0	0	flat	0	present	present
SPI1-180-4900-C	0	0	0	0	flat	0	present	present
SPI1-180-500-A	0	medium	low	0	flat	unknown debris	present	0
SPI1-180-500-B	0	medium	medium	0	flat	0	present	0
SPI1-180-500-C	0	high	medium	0	flat	0	present	0
SPI1-180-500-D	0	medium	medium	low	flat	a few small DRCs	present	0
SPI1-180-5200-A	0	0	0	0	flat	0	present	present
SPI1-180-5200-B	0	0	0	0	flat	0	present	present
SPI1-180-5200-C	0	0	0	0	flat	0	present	present
SPI1-180-5500-A	0	0	0	0	flat	0	present	present
SPI1-180-5500-B	0	0	0	0	flat	0	present	present
SPI1-180-5500-C	0	0	0	0	flat	0	present	sparse
SPI1-180-700-A	0	medium	medium	low	flat	0	present	0
SPI1-180-700-B	0	medium	medium	low	flat	0	present	0
SPI1-180-700-C	0	medium	medium	low	flat	0	present	0
SPI1-180-900-A	0	medium	low	low	flat	0	present	0
SPI1-180-900-B	na	na	na	na	na	na	na	na
SPI1-180-900-C	0	medium	0	low	flat	0	present	sparse
SPI1-2.21-A	0	0	0	0	flat	0	present	present
SPI1-2.21-B	na	na	na	na	na	na	na	na
SPI1-2.21-C	0	0	0	0	flat	sparse DRCs	sparse	present
SPI1-225-1100-A	0	medium	low	low	relatively flat	0	sparse	present
SPI1-225-1100-B	0	high	low	low	flat	0	present	sparse
SPI1-225-1100-C	0	high	low	low	flat	0	present	sparse
SPI1-225-1300-A	0	low	0	low	flat	0	present	present
SPI1-225-1300-B	0	low	0	0	flat	0	present	present
SPI1-225-1300-C	0	low	0	0	flat	0	present	present
SPI1-225-1500-A	0	low	0	0	flat	0	present	present
SPI1-225-1500-B	0	low	0	0	flat	unkown rod like debris	present	present
SPI1-225-1500-C	0	low	0	0	flat	0	present	present
SPI1-225-1700-A	0	low	0	0	flat	0	present	present
SPI1-225-1700-B	0	low	0	0	flat	0	present	present
SPI1-225-1700-C	0	low	0	0	flat	0	present	present
SPI1-225-1900-A	0	0	0	0	flat	0	present	present
SPI1-225-1900-B	0	0	0	0	flat	0	present	present
SPI1-225-1900-C	0	0	0	0	flat	0	present	present
SPI1-225-200-A	0	medium	medium	high	rippled	0	present	0
SPI1-225-200-B	0	high	low	high	flat, AD	flat debris	sparse	sparse
SPI1-225-200-C	0	high	low	low	flat	0	present	0
SPI1-225-2100-A	0	medium	0	0	flat	0	present	present

Preliminary Draft Data

Station	Floc mats	Dark depositional layer	Reduced sediment	Grey depositedmuds	Bedforms	Debris	Tubes	Burrows
SPI1-225-2100-B	0	low	0	0	flat	0	present	present
SPI1-225-2100-C	0	low	0	0	flat	0	present	present
SPI1-225-2300-A	0	medium	0	0	flat	0	present	present
SPI1-225-2300-B	0	medium	0	0	flat	0	present	sparse
SPI1-225-2300-C	0	medium	0	0	flat	0	present	present
SPI1-225-2500-A	0	low	0	0	flat, trough on left	0	present	present
SPI1-225-2500-B	0	low	0	0	flat	0	present	sparse
SPI1-225-2500-C	0	medium	0	0	flat	white debris in upper right	present	present
SPI1-225-2800-A	0	low	0	0	large mound in center	0	present	present
SPI1-225-2800-B	0	medium	0	0	flat	0	present	present
SPI1-225-2800-C	0	medium	0	0	flat	0	present	present
SPI1-225-300-A	0	high	low	low	low relief ripples	0	present	0
SPI1-225-300-B	0	high	medium	low	flat	0	present	0
SPI1-225-300-C	0	high	medium	low	flat	0	present	sparse
SPI1-225-3100-A	0	low	0	0	flat	0	present	present
SPI1-225-3100-B	0	low	0	0	flat	0	present	present
SPI1-225-3100-C	0	low	0	0	flat	0	present	sparse
SPI1-225-3400-A	0	low	0	0	flat	0	present	sparse
SPI1-225-3400-B	0	low	0	0	flat	0	present	sparse
SPI1-225-3400-C	0	low	0	0	flat	0	present	sparse
SPI1-225-3700-A	0	low	0	0	flat	0	present	sparse
SPI1-225-3700-B	0	low	0	0	relatively flat	0	present	sparse
SPI1-225-3700-C	0	low	0	0	flat	0	present	sparse
SPI1-225-4000-A	0	low	0	0	flat	0	present	sparse
SPI1-225-4000-B	0	low	0	0	flat	0	present	sparse
SPI1-225-4000-C	0	0	0	0	flat	0	present	sparse
SPI1-225-400-A	0	high	low	low	flat	0	sparse	sparse
SPI1-225-400-B	0	high	low	low	flat	0	sparse	sparse
SPI1-225-400-C	0	high	0	low	flat, AD trough	0	sparse	sparse
SPI1-225-4300-A	0	medium	0	0	flat	0	present	sparse
SPI1-225-4300-B	0	low	0	0	flat	0	present	sparse
SPI1-225-4300-C	0	low	0	0	flat	0	present	sparse
SPI1-225-4600-A	0	low	0	0	flat	0	present	sparse
SPI1-225-4600-B	0	low	0	0	flat	0	present	sparse
SPI1-225-4600-C	0	medium	0	0	flat	0	present	sparse
SPI1-225-4900-A	0	low	0	0	flat	0	present	sparse
SPI1-225-4900-B	0	low	0	0	flat	0	present	sparse
SPI1-225-4900-C	0	low	0	0	flat	0	present	sparse
SPI1-225-500-A	0	high	low	medium	flat	unknown anthropogenic debris	present	sparse
SPI1-225-500-B	0	medium	0	low	flat	unknown anthropogenic debris	present	sparse
SPI1-225-500-C	0	high	low	low	flat	unknown anthropogenic debris	present	sparse
SPI1-225-5200-A	0	medium	0	0	flat	0	present	sparse
SPI1-225-5200-B	0	low	0	0	flat	0	present	sparse
SPI1-225-5200-C	0	medium	0	0	flat	0	present	sparse
SPI1-225-5500-A	0	low	0	0	large mound at bottom	0	present	sparse
SPI1-225-5500-B	0	medium	0	0	flat	0	present	sparse
SPI1-225-5500-C	0	medium	0	0	flat	0	present	sparse
SPI1-225-700-A	0	high	low	medium	flat	unknown debris	present	sparse
SPI1-225-700-B	0	high	medium	medium	flat	0	present	present
SPI1-225-700-C	0	high	low	medium	flat	0	present	present

Preliminary Draft Data

Station	Floc mats	Dark depositional layer	Reduced sediment	Grey depositedmuds	Bedforms	Debris	Tubes	Burrows
SPI1-225-900-A	0	medium	0	low	flat	0	present	present
SPI1-225-900-B	0	medium	0	medium	flat	0	present	present
SPI1-225-900-C	0	medium	0	medium	flat	0	present	present
SPI1-270-1100-A	0	high	low	0	flat	large, white flake & rock-like deposits	present	sparse
SPI1-270-1100-B	0	medium	low	low	flat	large, white flake deposits	present	sparse
SPI1-270-1100-C	0	medium	low	low	flat	large, white flake & rock-like deposits	present	sparse
SPI1-270-1300-A	0	medium	0	0	flat, AD	0	present	sparse
SPI1-270-1300-B	0	medium	low	low	flat	white flake & rock-like deposits	sparse	sparse
SPI1-270-1300-C	0	medium	0	0	flat	white flake & rock-like deposits	present	sparse
SPI1-270-1500-A	0	high	0	0	flat	white flake & rock-like deposits	present	sparse
SPI1-270-1500-B	0	low	0	low	flat	0	present	sparse
SPI1-270-1500-C	na	na	na	na	na	na	na	na
SPI1-270-1700-A	0	medium	0	medium	flat	0	present	present
SPI1-270-1700-B	0	medium	medium	0	flat	0	present	present
SPI1-270-1700-C	0	medium	0	0	flat	0	present	present
SPI1-270-1900-A	0	medium	0	0	flat	0	present	present
SPI1-270-1900-B	0	medium	0	0	flat	0	present	present
SPI1-270-1900-C	na	na	na	na	na	na	na	na
SPI1-270-200-A	0	high	low	low	flat	0	sparse	sparse
SPI1-270-200-B	0	high	low	low	flat	0	present	sparse
SPI1-270-200-C	0	high	medium	low	flat	0	present	sparse
SPI1-270-2100-A	0	low	0	0	flat	0	present	sparse
SPI1-270-2100-B	na	na	na	na	na	na	na	na
SPI1-270-2100-C	na	na	na	na	na	na	na	na
SPI1-270-2300-A	0	medium	0	0	flat	0	present	sparse
SPI1-270-2300-B	0	medium	0	0	flat	0	present	sparse
SPI1-270-2300-C	na	na	na	na	na	na	na	na
SPI1-270-2500-A	0	medium	0	0	flat	0	present	sparse
SPI1-270-2500-B	na	na	na	na	na	na	present	na
SPI1-270-2500-C	na	na	na	na	na	na	present	sparse
SPI1-270-2800-A	0	medium	0	0	flat	unknown debris	present	sparse
SPI1-270-2800-B	0	medium	0	0	flat	rod like debris, small black debris	present	sparse
SPI1-270-2800-C	na	na	na	na	na	na	na	na
SPI1-270-300-A	0	high	medium	medium	flat, AD	0	present	sparse
SPI1-270-300-B	0	high	low	medium	flat	0	present	sparse
SPI1-270-300-C	0	high	medium	medium	flat	2 x Large white rock like deposits	present	sparse
SPI1-270-3400-A	0	low	0	0	flat	0	present	sparse
SPI1-270-3400-B	0	medium	0	0	flat	small metal plate debris	present	sparse
SPI1-270-3400-C	na	na	na	na	na	0	present	sparse
SPI1-270-3700-A	0	low	0	0	flat	0	present	sparse
SPI1-270-3700-B	0	low	0	0	flat	0	present	sparse
SPI1-270-3700-C	na	na	na	na	na	na	na	na
SPI1-270-4000-A	0	low	0	0	flat	0	present	sparse
SPI1-270-4000-B	na	na	na	na	na	na	present	na
SPI1-270-4000-C	na	na	na	na	na	na	na	na
SPI1-270-400-A	0	high	low	medium	flat	unknown anthropogenic debris	present	sparse
SPI1-270-400-B	0	high	medium	medium	flat	0	present	sparse
SPI1-270-400-C	0	high	low	medium	flat	0	present	sparse
SPI1-270-4300-A	na	na	na	na	na	na	na	na
SPI1-270-4300-B	na	na	na	na	na	na	na	na

Preliminary Draft Data

Station	Floc mats	Dark depositional layer	Reduced sediment	Grey depositedmuds	Bedforms	Debris	Tubes	Burrows
SPI1-270-4300-C	na	na	na	na	na	na	na	na
SPI1-270-4600-A	na	na	na	na	na	na	na	na
SPI1-270-4600-B	na	na	na	na	na	na	na	na
SPI1-270-4600-C	na	na	na	na	na	na	na	na
SPI1-270-4900-A	na	na	na	na	na	na	na	na
SPI1-270-4900-B	na	na	na	na	na	na	na	na
SPI1-270-4900-C	na	na	na	na	na	na	na	na
SPI1-270-500-A	0	medium	low	medium	flat	0	present	sparse
SPI1-270-500-B	0	medium	low	high	flat	small bits of black debris	present	sparse
SPI1-270-500-C	0	medium	low	high	flat	0	present	sparse
SPI1-270-5200-A	na	na	na	na	na	na	na	na
SPI1-270-5200-B	na	na	na	na	na	na	na	na
SPI1-270-5200-C	na	na	na	na	na	na	na	na
SPI1-270-5500-A	na	na	na	na	na	na	na	na
SPI1-270-5500-B	na	na	na	na	na	na	na	na
SPI1-270-5500-C	na	na	na	na	na	na	na	na
SPI1-270-700-A	0	medium	0	medium	flat	0	present	sparse
SPI1-270-700-B	0	medium	0	low	flat	0	present	sparse
SPI1-270-700-C	0	medium	0	low	flat	0	present	sparse
SPI1-270-900-A	0	medium	0	low	flat	0	present	sparse
SPI1-270-900-B	0	medium	0	low	flat	0	present	sparse
SPI1-270-900-C	0	medium	low	low	flat	0	present	sparse
SPI1-315-1100-A	0	medium	0	low	flat	black debris	present	sparse
SPI1-315-1100-B	0	medium	0	low	flat	black debris, unknown debris	present	sparse
SPI1-315-1100-C	0	medium	0	0	flat	black debris, unknown debris	present	sparse
SPI1-315-1300-A	0	medium	0	0	flat	black debris, unknown debris	present	sparse
SPI1-315-1300-B	0	low	0	0	flat	unknown debris	present	sparse
SPI1-315-1300-C	0	0	0	0	flat	black debris, unknown debris	present	sparse
SPI1-315-1500-A	0	0	0	0	flat	black debris	present	sparse
SPI1-315-1500-B	0	0	0	0	flat	black debris, unknown debris	present	sparse
SPI1-315-1500-C	0	0	0	0	flat	black debris	present	sparse
SPI1-315-1700-A	0	0	0	0	flat	0	present	sparse
SPI1-315-1700-B	0	0	0	0	flat	black debris, flat debris	present	sparse
SPI1-315-1700-C	0	0	0	0	flat	some small black debris	present	sparse
SPI1-315-1900-A	0	low	0	0	flat	some small black debris	present	sparse
SPI1-315-1900-B	0	low	0	0	flat	small black debris	present	sparse
SPI1-315-1900-C	0	low	0	0	flat	small black debris, unknown debris	present	sparse
SPI1-315-200-A	0	medium	0	high	flat	black debris	sparse	sparse
SPI1-315-200-B	0	medium	0	high	flat	0	sparse	sparse
SPI1-315-200-C	0	medium	0	high	flat	black debris, metal debris	sparse	sparse
SPI1-315-2100-A	0	low	0	0	flat	sparse small black debris	present	sparse
SPI1-315-2100-B	0	low	0	0	flat	sparse small black debris	present	sparse
SPI1-315-2100-C	0	low	0	0	flat	0	present	sparse
SPI1-315-2300-A	0	low	0	0	flat	sparse small black debris	present	sparse
SPI1-315-2300-B	0	low	0	low	flat	sparse small black debris	present	sparse
SPI1-315-2300-C	0	low	0	0	flat	0	present	sparse
SPI1-315-2500-A	0	medium	0	0	flat	0	present	sparse
SPI1-315-2500-B	0	low	0	0	flat	0	present	sparse
SPI1-315-2500-C	0	low	0	0	flat	0	present	sparse
SPI1-315-2800-A	0	low	0	0	flat	0	present	sparse

Preliminary Draft Data

Station	Floc mats	Dark depositional layer	Reduced sediment	Grey depositedmuds	Bedforms	Debris	Tubes	Burrows
SPI1-315-2800-B	0	low	0	0	flat	unknown long rod-like debris	present	sparse
SPI1-315-2800-C	0	low	0	0	flat	0	present	sparse
SPI1-315-300-A	0	medium	0	high	flat	0	sparse	sparse
SPI1-315-300-B	0	medium	0	high	flat	black debris	sparse	sparse
SPI1-315-300-C	0	high	0	high	flat	black debris	sparse	sparse
SPI1-315-3100-A	0	low	0	0	flat	0	present	sparse
SPI1-315-3100-B	0	low	0	0	flat	0	present	sparse
SPI1-315-3100-C	0	low	0	0	flat	0	present	sparse
SPI1-315-3400-A	0	0	0	0	low relief bedform	0	sparse	sparse
SPI1-315-3400-B	0	0	0	0	flat	0	present	sparse
SPI1-315-3400-C	0	low	0	0	flat	0	present	sparse
SPI1-315-3700-A	0	low	0	0	flat	0	present	sparse
SPI1-315-3700-B	0	low	0	0	flat	1 piece of black debris	present	sparse
SPI1-315-3700-C	0	low	0	0	flat	0	present	sparse
SPI1-315-4000-A	0	low	0	0	flat	0	present	sparse
SPI1-315-4000-B	0	low	0	0	flat	0	present	sparse
SPI1-315-4000-C	0	low	0	0	flat	0	present	sparse
SPI1-315-400-A	0	medium	0	medium	flat	black debris	sparse	sparse
SPI1-315-400-B	0	medium	0	medium	flat	black debris	sparse	sparse
SPI1-315-400-C	0	medium	0	medium	flat	black debris	sparse	sparse
SPI1-315-4300-A	0	0	0	0	flat	0	sparse	sparse
SPI1-315-4300-B	0	0	0	0	flat	0	sparse	present
SPI1-315-4300-C	0	0	0	0	flat	0	sparse	sparse
SPI1-315-4600-A	0	0	0	0	flat	white encrusting patches	sparse	sparse
SPI1-315-4600-B	0	0	0	0	flat	0	present	sparse
SPI1-315-4600-C	0	0	0	0	flat	0	sparse	sparse
SPI1-315-4900-A	0	0	0	0	flat	0	sparse	sparse
SPI1-315-4900-B	0	0	0	0	flat	0	sparse	sparse
SPI1-315-4900-C	0	0	0	0	flat	0	present	sparse
SPI1-315-500-A	0	medium	0	high	flat	black debris	present	sparse
SPI1-315-500-B	0	medium	0	high	flat	black debris	present	sparse
SPI1-315-500-C	0	high	0	high	flat	black debris	present	sparse
SPI1-315-5200-A	0	0	0	0	flat	0	sparse	sparse
SPI1-315-5200-B	0	0	0	0	flat	0	sparse	sparse
SPI1-315-5200-C	0	0	0	low	flat	0	sparse	sparse
SPI1-315-5500-A	0	0	0	0	flat	0	sparse	present
SPI1-315-5500-B	0	0	0	0	flat	0	sparse	present
SPI1-315-5500-C	0	0	0	0	flat	0	sparse	present
SPI1-315-700-A	0	high	0	medium	flat	black debris	present	sparse
SPI1-315-700-B	0	high	0	medium	flat	black debris	present	sparse
SPI1-315-700-C	0	medium	0	medium	flat	black debris	present	sparse
SPI1-315-900-A	0	medium	0	low	flat	black debris	present	sparse
SPI1-315-900-B	0	medium	0	low	flat	black debris, unknown large debris	present	sparse
SPI1-315-900-C	0	medium	0	medium	flat	black debris	present	sparse
SPI1-A-86-A	0	medium	low	0	flat	0	0	present
SPI1-A-86-B	0	medium	low	low	flat	0	present	sparse
SPI1-A-86-C	0	medium	low	low	flat	sparse black debris	present	sparse
SPI1-ALTNF001-A	0	high	medium	medium	flat	0	present	sparse
SPI1-ALTNF001-B	0	high	medium	medium	flat	0	present	sparse
SPI1-ALTNF001-C	0	high	medium	medium	flat	0	present	sparse
SPI1-ALTNF015-A	0	low	low	0	flat	0	present	sparse

Preliminary Draft Data

Station	Floc mats	Dark depositional layer	Reduced sediment	Grey depositedmuds	Bedforms	Debris	Tubes	Burrows
SPI1-ALTNF015-B	0	medium	low	0	flat	long metal like debris	present	sparse
SPI1-ALTNF015-C	0	low	low	0	flat	0	present	sparse
SPI1-CH_GIP 18-A	0	low	low	0	flat	0	present	sparse
SPI1-CH_GIP 18-B	na	na	na	na	na	na	na	na
SPI1-CH_GIP 18-C	na	na	na	na	na	na	na	na
SPI1-CH_GIP 24-A	0	low	0	0	flat	0	sparse	sparse
SPI1-CH_GIP 24-B	0	0	0	0	flat	0	sparse	sparse
SPI1-CH_GIP 24-C	0	0	0	0	flat	0	sparse	sparse
SPI1-CH_Well-A	0	high	medium	medium	flat	0	present	sparse
SPI1-CH_Well-B	0	high	medium	medium	flat	0	present	sparse
SPI1-CH_Well-C	0	high	medium	medium	flat	unknown deposits	present	sparse
SPI1-D031S-A	0	medium	low	medium	flat	0	present	sparse
SPI1-D031S-B	0	medium	low	medium	flat	0	present	sparse
SPI1-D031S-C	0	medium	medium	medium	flat	0	present	sparse
SPI1-D038SW-A	0	medium	0	high	flat	0	sparse	sparse
SPI1-D038SW-B	0	medium	0	high	flat	some black debris	sparse	sparse
SPI1-D038SW-C	0	medium	low	high	flat	0	sparse	sparse
SPI1-D040S-A	0	high	medium	medium	flat	0	present	sparse
SPI1-D040S-B	0	high	medium	medium	flat	0	present	sparse
SPI1-D040S-C	0	high	high	medium	flat	0	present	sparse
SPI1-D042S-A	0	low	0	low	flat	black debris small and large	present	sparse
SPI1-D042S-B	0	low	0	0	flat	black debris small and large	present	present
SPI1-D042S-C	0	low	0	low	flat	black debris small and large	present	present
SPI1-D043S-A	0	0	0	0	flat	0	sparse	sparse
SPI1-D043S-B	0	0	0	0	flat	0	sparse	sparse
SPI1-D043S-C	0	0	0	0	flat	0	sparse	sparse
SPI1-D044S-A	0	medium	0	0	flat	small black debris	present	sparse
SPI1-D044S-B	0	medium	0	0	flat	small black debris	present	sparse
SPI1-D044S-C	0	medium	0	0	flat	small black debris, sheet like debris	present	sparse
SPI1-D050S-A	0	0	0	0	flat	0	present	present
SPI1-D050S-B	0	0	0	0	flat	0	present	present
SPI1-D050S-C	0	0	0	0	flat	0	sparse	present
SPI1-D062S-A	0	medium	0	0	flat	0	present	sparse
SPI1-D062S-B	na	na	na	na	na	na	na	na
SPI1-D062S-C	na	na	na	na	na	na	na	na
SPI1-HiPro-A	0	0	0	0	flat	0	present	present
SPI1-HiPro-B	na	na	na	na	na	na	na	na
SPI1-HiPro-C	na	na	na	na	na	na	na	na
SPI1-Joye026-A	0	low	0	0	flat	0	present	present
SPI1-Joye026-B	0	low	0	0	flat	0	present	sparse
SPI1-Joye026-C	0	low	0	0	flat	0	present	sparse
SPI1-LBNL10-A	0	medium	0	0	flat	0	present	present
SPI1-LBNL10-B	na	na	na	na	na	na	na	na
SPI1-LBNL10-C	0	low	0	0	flat	0	present	present
SPI1-LBNL14-A	0	low	0	0	flat	0	present	sparse
SPI1-LBNL14-B	0	low	0	0	flat	0	present	sparse
SPI1-LBNL14-C	0	low	0	0	flat	0	present	sparse
SPI1-LBNL1-A	0	medium	0	medium	flat	0	present	sparse
SPI1-LBNL1-B	0	medium	0	medium	flat	0	present	sparse
SPI1-LBNL1-C	0	medium	0	medium	flat	0	present	sparse

Preliminary Draft Data

Station	Floc mats	Dark depositional layer	Reduced sediment	Grey depositedmuds	Bedforms	Debris	Tubes	Burrows
SPI1-LBNL7-A	0	medium	0	low	flat	0	present	sparse
SPI1-LBNL7-B	na	na	na	na	na	na	na	na
SPI1-LBNL7-C	na	na	na	na	na	na	na	na
SPI1-LBNL9-A	na	0	0	0	flat	0	present	present
SPI1-LBNL9-B	na	na	na	na	na	na	na	na
SPI1-LBNL9-C	0	0	0	0	flat	0	present	sparse
SPI1-MC292/FF005-A	0	0	0	0	flat	0	sparse	present
SPI1-MC292/FF005-B	0	0	0	0	flat	0	sparse	present
SPI1-MC292/FF005-C	0	0	0	0	flat	0	sparse	present
SPI1-NF006MOD-A	0	medium	low	low	flat	0	present	sparse
SPI1-NF006MOD-B	0	medium	low	low	flat	0	present	sparse
SPI1-NF006MOD-C	0	medium	low	low	flat	0	present	sparse
SPI1-NF008-A	0	low	low	0	flat	0	present	sparse
SPI1-NF008-B	0	medium	low	0	flat	0	present	sparse
SPI1-NF008-C	0	low	low	0	flat	0	present	sparse
SPI1-NF009-A	0	low	0	low	flat	0	present	sparse
SPI1-NF009-B	na	na	na	na	na	na	na	na
SPI1-NF009-C	na	na	na	na	na	na	na	na
SPI1-NF010-A	0	low	0	0	flat	0	present	sparse
SPI1-NF010-B	0	low	0	0	flat	mud artifacts from camera	present	present
SPI1-NF010-C	0	low	0	0	flat	0	sparse	sparse
SPI1-NF012-A	0	low	0	0	flat	0	present	sparse
SPI1-NF012-B	0	low	0	0	flat	0	present	sparse
SPI1-NF012-C	0	low	0	0	flat	0	present	sparse
SPI1-NF013-A	0	medium	0	0	flat	0	present	sparse
SPI1-NF013-B	0	medium	0	0	flat	0	present	sparse
SPI1-NF013-C	0	medium	0	0	flat	0	present	sparse
SPI1-NF014-A	0	medium	0	0	flat	0	present	sparse
SPI1-NF014-B	na	na	na	na	na	na	na	na
SPI1-NF014-C	0	medium	0	0	flat	0	present	sparse
SPI1-RIP_D040S-A	0	high	medium	medium	flat	0	present	sparse
SPI1-RIP_D040S-B	0	high	medium	medium	flat	0	present	sparse
SPI1-RIP_D040S-C	0	high	medium	medium	flat	black debris	present	sparse
SPI1-RK_HIPRO-A	0	low	low	low	flat	0	present	sparse
SPI1-RK_HIPRO-B	0	low	low	low	flat	0	present	likely
SPI1-RK_HIPRO-C	na	na	na	na	na	na	na	na
SPI1-RK-MT2-A	0	low	0	0	flat	0	present	abundant
SPI1-RK-MT2-B	0	low	0	0	flat	0	present	abundant
SPI1-RK-MT2-C	na	na	na	na	na	na	na	na
SPI1-RK-MT3-A	0	0	0	0	flat	0	0	abundant
SPI1-RK-MT3-B	na	na	na	na	na	na	na	na
SPI1-RK-MT3-C	na	na	na	na	na	na	na	na
SPI1-VK916-A	0	0	0	0	flat	0	sparse	present
SPI1-VK916-B	0	0	0	0	flat	0	sparse	sparse
SPI1-VK916-C	0	0	0	0	flat	0	sparse	present

Preliminary Draft Data

Station	Epifauna	Bentho-pelagic fauna	Other Salient Features/comment
SP1-FFMT4-A	2 x E1,	0	large diameter, deep burrowing
SP1-FFMT4-B	na	na	Sediment resusupension, only 5% image viewable
SP1-FFMT4-C	na	na	Sediment resusupension, only 40% image viewable, evidence of deep burrows
SPI1-000-1100-A	0	0	evidence of biogenic mounds, numerous tube like structures on sediment surface, appears to be both polychaete and foraminifera, both oxidized and reduced patches of sediment visible
SPI1-000-1100-B	0	0	evidence of biogenic mounds, numerous tube like structures on sediment surface, appears to be both polychaete and foraminifera, both oxidized and reduced patches of sediment visible
SPI1-000-1100-C	1 x Cn1	0	evidence of biogenic mounds, numerous tube like structures on sediment surface, appears to be both polychaete and foraminifera, both oxidized and reduced patches of sediment visible
SPI1-000-1300-A	1 x E2, 14 x E1	0	faunal tracks, numerous tube like structures on sediment surface, appears to be both polychaete and foraminifera, patches of both oxidized & reduced sediment
SPI1-000-1300-B	4 x U2	0	possible ploychaete coming out of burrow, faunal tracks, burrows possibly belonging to U2
SPI1-000-1300-C	1 x U3, 15 x E1, 1 x C4	0	squat lobster (C4), numerous tube like structures on sediment surface, mixture of both polychaete and foraminifera, both oxidized & reduced sediment visible on surface
SPI1-000-1500-A	22 x E1, 1 x Cn1, 1 x Fo	0	numerous tube like structures on sediment surface, appears to be both polychaete and foraminifera
SPI1-000-1500-B	32 x E1, Fo present,	0	numerous tube like structures on sediment surface, appears to be both polychaete and foraminifera, live forams
SPI1-000-1500-C	Fo abundant, 23 x E1, 1 x Cn1	1 x C5	forams abundant, but patchy; faunal tracks; numerous tube like structures on sediment surface, appear to be both polychaete and foraminifera,
SPI1-000-1700-A	Fo abundant, 7 x E1, 1 x Cn1	2 x C5	yellow structures; numerous tube like structures on sediment surface, appear to be both polychaete
SPI1-000-1700-B	1 x C3, 1 x E1	0	yellow structures; numerous tube like structures on sediment surface, appear to be both polychaete and foraminifera; faunal tracks
SPI1-000-1700-C	Fo present, 17 x E1	0	light brown mucus-like structure, forams present; numerous tube like structures on sediment surface, appear to be both polychaete and foraminifera;
SPI1-000-1900-A	11 x E1, Fo present	1 x C2	numerous tube like structures on sediment surface, appear to be both polychaete and foraminifera;
SPI1-000-1900-B	1 x Cn2, 9 x E1	1 x C3	yellow structures, numerous tube like structures on sed surface
SPI1-000-1900-C	Fo present, 1 x Cn3, 21 x E1	1 x C3, 1 x C4	yellow structures, faunal tracks, tube like structures on sed surface
SPI1-000-200-A	0	0	large biogenic mound, abundance of larger, fecal-pellet covered polychaete tubes on surface
SPI1-000-200-B	1 x U1	0	some biogenic mounding, multiple large polychaete tubes laying on surface
SPI1-000-200-C	0	0	slight slope from top to bottom of image, multiple large polychaete tubes on surface
SPI1-000-2100-A	Fo present, 26 x E1	1 x C5	numerous tube like structures on sed surface (both polychaete & colonial foraminifera)
SPI1-000-2100-B	Fo abundant, 1 x Cn4, 6 x E1	0	yellow structure is a coral/gorgonian (Cn4), numerous tube like structures on sediment surface, appear to be both polychaete and foraminifera;
SPI1-000-2100-C	Fo dense, 1 x Cn4, 12 x E1	0	numerous tube like structures on sediment surface, appear to be both polychaete and foraminifera;
SPI1-000-2300-A	2 x C3, 1 x Cn4, 1 x Cn3, 6 x E1	0	mucus net with filaments in upper part of image,faunal tracks
SPI1-000-2300-B	Fo abundant, 12 x E1	0	mucus like filaments at right edge of image, faunal tracks
SPI1-000-2300-C	Fo present, 1 x Cn4, 9 x E1	0	mucus like aggregation (possibly a jellyfish) above left laser dot toward top of image, faunal tracks
SPI1-000-2500-A	Fo abundant, 2 x C3, 1 x Cn3, 6 x E1	0	faunal tracks
SPI1-000-2500-B	Fo abundant, 2x Cn3, 3 x C3, 7 x E1	1 x C6,	faunal tracks
SPI1-000-2500-C	Fo abundant, 1 x C3, 9 x E1	0	faunal tracks, burrows increasing in diameter
SPI1-000-2800-A	Fo dense, 1x C3, 2 x E1	1 x C6,	faunal tracks, multiple small burrow openings
SPI1-000-2800-B	Fo low, 6 x E1,	0	faunal tracks, mucus deposit on right edge of image
SPI1-000-2800-C	Fo dense, 1 x Cn1, 1 Cn3, 13 x E1	0	faunal tracks & very high density of colonial forams

Preliminary Draft Data

Station	Epifauna	Bentho-pelagic fauna	Other Salient Features/comment
SPI1-000-3100-A	Fo dense, 1 x C3, 21 x E1	0	faunal tracks of larger size evident
SPI1-000-3100-B	Fo present, 28 x E1, 1 x C3	0	faunal tracks of larger size evident
SPI1-000-3100-C	Fo abundant, 39 x E1	1 x C6,	faunal tracks of larger size evident
SPI1-000-3400-A	Fo present, 1 x Cn4, 32 x E1		faunal tracks, large animal moving our of field of view
SPI1-000-3400-B	Fo abundant, 1 x U4, 1 x Cn4, 47 x E1, 1 x C3		faunal tracks, gastropod shells , several clumps of U4
SPI1-000-3400-C	Fo present, 2 x Cn4, 58 x E1		faunal tracks of larger size evident
SPI1-000-3700-A	Fo present, 2 x U4, 13 x E1	1 x C6,	mucus like deposit, gastropod shells, faunal tracks of larger size evident
SPI1-000-3700-B	Fo present, 1 x C3, 1 x Cb4, 6 x E1		faunal tracks of larger size evident
SPI1-000-3700-C	Fo sparse, 1 x Cn4, 4 x E1		evidence of large deep burrowing macrofauna, larger sized faunal tracks
SPI1-000-4000-A	Fo sparse, 1 x E1		some unoccupied gastropod shells, fewer faunal tracks
SPI1-000-4000-B	Fo sparse, 2 x Cn4, 1 x C3, 1 x Cn3, 1 x E1		mucus like deposit, gastropod shells, fewer faunal tracks
SPI1-000-4000-C	Fo present, 1 x E1	1 x C2	mucus like deposit, evidence of faunal reworking
SPI1-000-4300-A	Fo present, 1 x Cn3, 2 x E1, 1 x C3		evidence of large deep burrowing macrofauna, larger sized faunal tracks
SPI1-000-4300-B	Fo sparse, 1 x Cn4, 1 x C3, 6 x E1	1 x C5	evidence of faunal reworking (trails and track etc.)
SPI1-000-4300-C	Fo sparse, 1 x Cn4, 6 x E1		faunal reworking of sediment surface extensive
SPI1-000-4600-A	Fo sparse, 1 x C3, 1 x C4, 3 x E1		evidence of large deep burrowing macrofauna
SPI1-000-4600-B	Fo sparse,		evidence of large deep burrowing macrofauna, gastropod shell
SPI1-000-4600-C	Fo present, 1 x Cn2, 2 x E1	1 x C6	mucus like deposit, evidence of large deep burrowing macrofauna, gastropod shell,
SPI1-000-4900-A	Fo sparse, 5 x E1		mucus like deposits, gastropod shells
SPI1-000-4900-B	Fo sparse, 1 x Cn1, 1 x Cn3, 2 x E1,		shrimp shadow, evidence of very small Cn4, evidence of faunal reworking of sed surface
SPI1-000-4900-C	Fo sparse,		evidence of surface reworking
SPI1-000-5200-A	Fo sparse, 1 x Cn3, 1 x E1,		evidence of surface reworking
SPI1-000-5200-B	Fo sparse, 2 x Cn3, 1 x C3, 1 x Cn4,		evidence of surface reworking
SPI1-000-5200-C	Fo present, 1 x Cn4		evidence of large deep burrowing macrofauna and surface reworking
SPI1-000-5500-A	Fo absent, 1 x E2, 1 x U5, 3 E1, 1 x Cn1,	1 x C2	evidence of surface reworking
SPI1-000-5500-B	Fo absent, 1 x C4, 1 x C3, 1 x U4,		evidence of surface reworking, noticeable increase in # of biogenic mounds
SPI1-000-5500-C	Fo absent, 1 x C3, 2 x Cn3, 5 x E1		evidence of surface reworking and numerous biogenic mounds
SPI1-000-700-A	0	1 x C1	1 live shrimp, evidence of biogenic mounding, numerous tube like structures on sediment surface, appear to be both polychaete and foraminifera tubes; orange granular material (Fe precipitation?)
SPI1-000-700-B	1 x Cn	1 x C2	burrowing anemone (Cn), numerous tube like structures on sediment surface, appear to be both polychaete and foraminifera
SPI1-000-700-C	1 x E1, 1 x C3	0	1 live holothurian, 1 x hermit crab, numerous tube like structures on sediment surface, appear to be both polychaete and foraminifera
SPI1-000-900-A	2 x E1,	0	numerous tube like structures on sediment surface, appear to be both polychaete and foraminifera
SPI1-000-900-B		0	small, infrequent yellow deposits/structures on sediment surface, brown mucus like deposit in center left of image, numerous tube like structures on sediment surface, appear to be both polychaete and
SPI1-000-900-C	1 x C3, 1 x E2	0	numerous tube like structures on sediment surface, appear to be both polychaete and foraminifera
SPI1-000-NF011-A	Fo present, 13 x E1	0	mucus like deposit, evidence of surface reworking
SPI1-000-NF011-B	Fo abundant, 16 x E1,	0	gastropod shells, evidence of surface reworking
SPI1-000-NF011-C	Fo abundant, 12 x E1	0	evidence of surface reworking
SPI1-045-1100-A	Fo present, 30 x E1, 1 x C3	0	evidence of faunal tracks
SPI1-045-1100-B	Fo present, 1 x Cn1, 1 x Cn3, 49 x E1	0	evidence of faunal tracks
SPI1-045-1100-C	Fo present, 27 E1	1 x C5	
SPI1-045-1300-A	Fo present, 19 x E1, 1 x C3	1 x C2	
SPI1-045-1300-B	Fo present, 25 x E1,	0	evidence of faunal tracks
SPI1-045-1300-C	Fo present, 23 x E1	0	
SPI1-045-1500-A	Fo present, 1 x U6, 1 x Cn1, 32 x E1	0	mucus deposit
SPI1-045-1500-B	Fo present, 2 x Cn4, 1 x C4, 1 x C3, 26 x E1,	0	Cn4 very small

Preliminary Draft Data

Station	Epifauna	Bentho-pelagic fauna	Other Salient Features/comment
SPI1-045-1500-C	Fo present, 1 x E2, 17 x E1	0	
SPI1-045-1700-A	Fo present, 1 x Cn4, 9 x E1	0	
SPI1-045-1700-B	Fo present, 3 x E1	0	mucus deposit
SPI1-045-1700-C	Fo present, 2 x E1	0	
SPI1-045-1900-A	Fo present, 3 x E1,	0	evidence of surface tracks & shells
SPI1-045-1900-B	Fo abundant, 1 x Cn1, 1 x E2, 1 x E1	0	mucus deposit, surface tracks & shells
SPI1-045-1900-C	Fo present, 3 xE1	1 x C6,	evidence of surface tracks & shells
SPI1-045-200-A	3 x P1	0	cable and metal framework obscuring most of the image, Beggiatoa mats dominate
SPI1-045-200-B	23 x P1	0	Reticulated network of worm tubes anastomosing on sediment surface
SPI1-045-200-C	8 x P1	2 x F1, 1 x C6,	High density of the fecal-pellet encrusted polychaete tubes on sediment surface
SPI1-045-2100-A	Fo present, 3 x E1, 1 x C3	0	shells
SPI1-045-2100-B	Fo abundant, 1 x Cn4, 13 x E1,	0	shells and surface tracks
SPI1-045-2100-C	Fo present, 1 x Cn3, 1 x C3,		shells and surface tracks
SPI1-045-2300-A	Fo abundant, 1 x Cn1, 13 x E1	0	shells and surface tracks
SPI1-045-2300-B	Fo present, 1 x Cn2, 4 x E1	0	3 x mucus deposit, shell, gorgonian debris
SPI1-045-2300-C	Fo present, 3 x E2, 1 x Cn4, 1 x Cn1, 5 x E1, 1 x G4	0	shells and surface tracks
SPI1-045-2500-A	Fo present, 2 x Cn4, 11 x E1	0	shells and surface tracks
SPI1-045-2500-B	Fo present, 4 x E1	0	shells and surface tracks, mucus deposit
SPI1-045-2500-C	Fo present, 1 x Cn3, 9 x E1	0	shells and surface tracks, mucus deposit
SPI1-045-2800-A	Fo present, 1 x C3, 1 x Cn3, 6 x E1	1 x C1	shells and surface tracks, mucus deposit
SPI1-045-2800-B	Fo present, 7 x E1	0	shells and surface tracks
SPI1-045-2800-C	Fo present, 1 x C4, 1 x E2, 1 x Cn3, 8 x E1, 1 x U4	0	shells and surface tracks
SPI1-045-300-A	0	0	dense network of pellet-encrusted polychaete tubes on sediment surface
SPI1-045-300-B	0	0	dense network of pellet-encrusted polychaete tubes on sediment surface
SPI1-045-300-C	1 x Cn2, 1 x E1, 1 x E3, 1 x P1	0	dense network of pellet-encrusted polychaete tubes on sediment surface
SPI1-045-3100-A	Fo present, 21 x E1	0	shells, mucus deposits, gastropod tracks, and extensive reworking
SPI1-045-3100-B	Fo present, 1 x Cn5, 1 x Cn3, 1 x Cn4, 16 x E1	1 x F2	shells, evidence of reworking
SPI1-045-3100-C	Fo present, 1 x Cn4, 16 x E1	0	shells and surface tracks, mucus deposit
SPI1-045-3400-A	Fo abundant, 11 x E1	1 x C5	shells and surface tracks
SPI1-045-3400-B	Fo present, 1 x C3, 11 x E1, 1 x U4	0	detrital material, shells and surface tracks
SPI1-045-3400-C	Fo present, 21 x E1	1 x C5	shells and surface tracks
SPI1-045-3700-A	Fo abundant, 1 x C4, 1 x Cn2, 1 x G, 13 x E1	0	shells and surface tracks, mucus deposit
SPI1-045-3700-B	Fo present, 17 x E1	1 x C6	shells and surface tracks
SPI1-045-3700-C	Fo present, 1 x U2, 1 x Cn4, 27 x E1	0	shells and surface tracks
SPI1-045-4000-A	na	na	strobe never fired - black frame
SPI1-045-4000-B	na	na	strobe never fired - black frame
SPI1-045-4000-C	na	na	strobe never fired - black frame
SPI1-045-400-A	1 x Cn2, 1 x E1	0	mucus deposit present (long and thin across image), network of larger tubes laying flat on sediment
SPI1-045-400-B	1 x Cn3, 4 x E1	0	some evidence of faunal track
SPI1-045-400-C	1 x P1, 3 x E1, 1 Cn2,		
SPI1-045-4300-A	na	na	strobe never fired - black frame
SPI1-045-4300-B	na	na	strobe never fired - black frame
SPI1-045-4300-C	na	na	strobe never fired - black frame
SPI1-045-4600-A	na	na	strobe never fired - black frame
SPI1-045-4600-C	na	na	strobe never fired - black frame
SPI1-045-4900-A	na	na	strobe never fired - black frame
SPI1-045-4900-B	na	na	strobe never fired - black frame
SPI1-045-4900-C	na	na	strobe never fired - black frame
SPI1-045-500-A	Fo present, 2 x Cn2, 6 x E1	1 x C2	evidence of faunal tracks
SPI1-045-500-B	Fo present, 21 x E1	0	evidence of faunal tracks

Preliminary Draft Data

Station	Epifauna	Bentho-pelagic fauna	Other Salient Features/comment
SPI1-045-500-C	Fo present, 7 x E1, 1 x Cn4	1 x C5	mucus like deposit, Cn4 very small, evidence of faunal tracks
SPI1-045-5200-A	na	na	strobe never fired - black frame
SPI1-045-5200-B	na	na	strobe never fired - black frame
SPI1-045-5200-C	na	na	strobe never fired - black frame
SPI1-045-700-A	Fo present, 29 x E1	0	
SPI1-045-700-B	76 x E1, 1 x U4	1 x C5	
SPI1-045-700-C	39 x E1	0	evidence of faunal tracks
SPI1-045-900-A	16 x E1	0	evidence of faunal tracks
SPI1-045-900-B	Fo present, 1 x C4, 20 x E1	1 x C5	evidence of faunal tracks
SPI1-045-900-C	1 x C3, 22 x E1	0	evidence of faunal tracks
SPI1-090-1100-A	Fo sparse, 2 x Cn1	2 x C5, 2 x C2	
SPI1-090-1100-B	1 x Cn1,	1 x C2	
SPI1-090-1100-C	1 x U4	1 x C5	
SPI1-090-1300-A	1 x Cn4, 1 x Cn1,	1 x C5, 1 x C2	
SPI1-090-1300-B	Fo present	2 x C5	
SPI1-090-1300-C	1 x Cn1, 1 x Cn4,	0	
SPI1-090-1500-A	Fo sparse, 8 x E1	1 x C5	
SPI1-090-1500-B	Fo sparse, 1 x Cn4, 10 x E1	1 x C2	evidence of faunal tracks
SPI1-090-1500-C	Fo sparse, 3 x E1	2 x C2	
SPI1-090-1700-A	Fo sparse, 1 x C3, 7 x E1	1 x C5	
SPI1-090-1700-B	Fo present, 1 x E1	1 x C2	
SPI1-090-1700-C	Fo sparse, 2 x Cn1, 4 x E1	1 x F1, 1 x C2	
SPI1-090-1900-A	Fo present, 1 x C4, 4 x E1	0	lots of surface tracks
SPI1-090-1900-B	Fo present, 1 x C3, 3 x E1	2 x C2	
SPI1-090-1900-C	Fo present, 1 x Cn1, 1 x Cn4	0	
SPI1-090-200-A	0	0	network of anastomosing polychaete tubes embedded in surface
SPI1-090-200-B	na	na	sediment resuspended, no lasers, approx. 25% of image viewable, evidence of Beggiatoa similar to
SPI1-090-200-C	1 x C7	na	sediment resuspended, no lasers, decapod and Beggiatoa similar to SPI1-090-200A
SPI1-090-2100-A	Fo sparse, 1 x U4, 1 x Cn1, 1 x E1	1 x C5, 1 x C2	
SPI1-090-2100-B	Fo present, 1 x Cn4, 1 x E1	0	
SPI1-090-2100-C	Fo present, 2x Cn1, 1 x Cn4, 1 x E1	0	evidence of mounds created by deep bioturbation
SPI1-090-2300-A	Fo sparse, 2 x U4, 1 x Cn1, 2 x E1	1 x C5	evidence of surface tracks
SPI1-090-2300-B	Fo sparse, 1 x Cn1, 1 x Cn4, 4 x E1, 1 x E4	0	evidence of surface tracks
SPI1-090-2300-C	Fo present, 4 x Cn1, 4 x E1	1 x C5	
SPI1-090-2500-A	Fo sparse, 2 x Cn1,	0	evidence of surface tracks
SPI1-090-2500-B	Fo sparse, 2 x C4, 4 x E1	0	evidence of surface tracks
SPI1-090-2500-C	Fo dense, 1 x Cn4, 1 x E1	1 x C5, 1 x C2	evidence of surface tracks
SPI1-090-2800-A	Fo present, 1 x Cn1	0	
SPI1-090-2800-B	Fo dense, 1 x U4, 1 x Cn1	1 x C5	
SPI1-090-2800-C	Fo abundant, 1 x Cn1, 1 x C2, 14 x E1	0	higher resolution (confidence in E1, tube and burrow counts)
SPI1-090-300-A	0	0	larger polychaete tubes embedded on surface
SPI1-090-300-B	0	3 x C5, 1 x C6	larger polychaete tubes embedded on surface
SPI1-090-300-C	0	0	larger polychaete tubes embedded on surface
SPI1-090-3100-A	Fo present, 1 x E2, 2 x Cn1 ,1 x Cn4, 4 x E1	0	mucus deposit and faunal tracks
SPI1-090-3100-B	Fo present, 1 x C1, 2 x E1	0	
SPI1-090-3100-C	Fo present, 6 x E1	1 x C6	evidence of surface tracks
SPI1-090-3400-A	Fo present, 4 x E1, 1 x C3, 2 x Cn4, 1 x Cn1, 1 x U4	0	
SPI1-090-3400-B	Fo present 1 x U4, 1 x C3	0	evidence of surface tracks
SPI1-090-3400-C	Fo present, 2 x Cn4, 3 x E1, 1 x U2	0	evidence of surface tracks
SPI1-090-3700-A	Fo present, 2 x Cn1, 1 x E1	1 x C5	
SPI1-090-3700-B	Fo present, 1 x E2, 1 x C3, 1 x Cn4, 1 x U4	1 x C2, 1 x C6	

Preliminary Draft Data

Station	Epifauna	Bentho-pelagic fauna	Other Salient Features/comment
SPI1-090-3700-C	Fo present, 4 x Cn1, 1 x C3, 4 x E1	0	
SPI1-090-4000-A	Fo present, 1 x E2, 1 xC3, 2 x Cn1, 1 x U4	0	
SPI1-090-4000-B	Fo present, 2x Cn1, 1 x U7, 1 x C3	1 x C6	
SPI1-090-4000-C	Fo present, 2 x Cn1, 1 x C3, 1 x Cn4,	1 x C5	evidence of surface reworking
SPI1-090-400-A	0	0	larger polychaete tubes embedded on surface, insufficient resolution for detail
SPI1-090-400-B	0	1 x C6	larger polychaete tubes embedded on surface, insufficient resolution for detail
SPI1-090-400-C	0	0	larger polychaete tubes embedded on surface, insufficient resolution for detail
SPI1-090-4300-A	Fo present, 1 x E5, 1 x E2, 1 x C4	1 x C2	
SPI1-090-4300-B	Fo present, 2 x Cn1, 1 x C3, 2 x E1	1 x C5	
SPI1-090-4300-C	Fo present, 1 x Cn1, 1 x Cn5, 1 x C3,	1 x C5	
SPI1-090-4600-A	Fo present, 1 x C4, 1 x Cn1, 1 x E1	0	
SPI1-090-4600-B	Fo present, 2 x E2, 1 x Cn1,	1 x C5	
SPI1-090-4600-C	Fo present, 1 x Cn1, 1 x C3,	0	
SPI1-090-4900-A	Fo present, 6 x E1		evidence of surface tracks, higher resolution , mucus deposit
SPI1-090-4900-B	na	na	cloudy, sediment resuspended
SPI1-090-4900-C	Fo abundant, 1 x U4, 1 x Po1, 4 x E1	0	higher resolution , bottom right corner sediment resuspended, evidence of deep bioturbation
SPI1-090-500-A	0	1 x C5	larger polychaete tubes embedded on surface, insufficient resolution for detail
SPI1-090-500-B	0	1 x C5	larger polychaete tubes embedded on surface, insufficient resolution for detail
SPI1-090-500-C	2 x Cn1	1 x C5	larger polychaete tubes embedded on surface, insufficient resolution for detail
SPI1-090-5200-A	Fo abundant, 1 x Cn4, 3 x E1	1 x C5	higher resolution , mucus deposit
SPI1-090-5200-B	Fo present, 1 x Cn1, 2 x E1	0	higher resolution, extensive sediment reworking, large pits and mounding
SPI1-090-5200-C	Fo present, 2 x Cn1, 1 x U4, 6 x E1	0	higher resolution, extensive sediment reworking
SPI1-090-5500-A	Fo present, 1 x C3, 1 x Cn3	0	higher resolution , mucus deposit, extensive surface reworking
SPI1-090-5500-B	Fo present, 2 x C3, 3 x E1	0	higher resolution , mucus deposit, extensive surface reworking
SPI1-090-5500-C	Fo present, 1 x U7,, 1 x C3, 1 x E1	1 x C6	
SPI1-090-700-A	1 x E1, Fo present	3 x C5	
SPI1-090-700-B	Fo present	0	
SPI1-090-700-C	Fo present	2 x C5	two large, deep burrows in right half of image (possible crustacean)
SPI1-090-900-A	2 x Cn1, Fo present	1 x C5	
SPI1-090-900-B	Fo present	1 x C5, 1 x C2	
SPI1-090-900-C	Fo present, 1 x E1, 1 x U4	0	
SPI1-135-1100-A	na	na	dead battery, strobe never fired
SPI1-135-1100-B	na	na	dead battery, strobe never fired
SPI1-135-1100-C	na	na	dead battery, strobe never fired
SPI1-135-1300-A	na	na	dead battery, strobe never fired
SPI1-135-1300-B	na	na	dead battery, strobe never fired
SPI1-135-1300-C	na	na	dead battery, strobe never fired
SPI1-135-1500-A	na	na	dead battery, strobe never fired
SPI1-135-1500-B	na	na	dead battery, strobe never fired
SPI1-135-1500-C	na	na	dead battery, strobe never fired
SPI1-135-1700-A	na	na	dead battery, strobe never fired
SPI1-135-1700-B	na	na	dead battery, strobe never fired
SPI1-135-1700-C	na	na	dead battery, strobe never fired
SPI1-135-1900-A	Fo sparse, 1 x Cn6	2 x C5	
SPI1-135-1900-B	Fo sparse, 2 x Cn16, 2 x Cn3,	1 x C2, 1 x C5	
SPI1-135-1900-C	Fo sparse, 2 x Cn4, 1 x U4,	2 x C5, 1 x C6	
SPI1-135-200-A	0	0	Beggiatoa crust
SPI1-135-200-B	0	0	all reps have the larger, fecal pellet encrusted polychaete tubes on sediment surface
SPI1-135-200-C	0	0	equally spaced drag lines (4) across image
SPI1-135-2100-A	Fo sparse, 2 x Cn]6, 1 x U5, 1 x C3,	0	
SPI1-135-2100-B	Fo present, 1 x Cn3, 1 x Cn6	1 x C2	Imprint of camera base from previous rep in lower right corner

Preliminary Draft Data

Station	Epifauna	Bentho-pelagic fauna	Other Salient Features/comment
SPI1-135-2100-C	Fo sparse, 1 x Cn6, 1 x E2, 1 x Cn4	1 x C5	
SPI1-135-2300-A	Fo present, 1 x Cn6, 1 x Cn5, 1 x C3, 5 x E1	1 x C5, 1 x C2	
SPI1-135-2300-B	Fo present, 4 x Cn6, 1 x C4	0	mucus deposit
SPI1-135-2300-C	Fo present, 1 x Cn6, 1 x E1	1 x C5	
SPI1-135-2500-A	Fo present , 5 x Cn6, 2 x E1	0	top right hand corner large mound of brown deposited sediment, two large burrows left hand side of
SPI1-135-2500-B	Fo present, 1 x E2, 3 x E1, 4 x Cn4, 3 x Cn1, 1 x U4	1 x C5	evidence of surface tracks
SPI1-135-2500-C	Fo present, 1 x E2, 1 x Cn6, 1 x C3, 3 x E1	1 x C5	evidence of surface tracks
SPI1-135-2800-A	Fo present, 1 x Cn4, 3 x E1	1 x C5	evidence of surface tracks
SPI1-135-2800-B	Fo present, 2 x E1	0	evidence of surface tracks
SPI1-135-2800-C	Fo present, 1 x C4	2 x C5	evidence of surface tracks
SPI1-135-300-A	0	1 x C5	Cluster like bacterial colonies rather than Beggiatoa
SPI1-135-300-B	0	0	Cluster like bacterial colonies rather than Beggiatoa, view partly obscured by resuspension
SPI1-135-300-C	1 x U4	1 x C5	Cluster like bacterial colonies rather than Beggiatoa, view partly obscured by resuspension, mucus
SPI1-135-3100-A	Fo present, 6x Cn6, 1 x E1, 1 x E2	4 x C5, 1 x F3	evidence of surface tracks
SPI1-135-3100-B	Fo present, 1 x C4	1 x C2, 1 x C5	evidence of surface tracks
SPI1-135-3100-C	Fo present, 1 x E2, 1 x E1, 1 x C4	2 x C5	evidence of surface tracks
SPI1-135-3400-A	Fo present, 1 x E2, 1 x C4, 2 x E1	1 x C5	evidence of surface tracks
SPI1-135-3400-B	Fo present, 5 x E1	2 x C5	evidence of surface tracks
SPI1-135-3400-C	Fo present, 2 x Cn6, 1 x C3, 2 x E1		evidence of surface tracks
SPI1-135-3700-A	Fo sparse, 2 x Cn6, 12 x E1	1 x C5	evidence of extensive surface reworking, large burrows
SPI1-135-3700-B	Fo sparse, 1 x Cn6, 2 x E1	1 x C2, 1 x C5	evidence of extensive surface reworking, large burrows and moundings
SPI1-135-3700-C	Fo sparse, 2 x E2, U4 , 1 x Cn6, 1 x C4, 4 x E1	1 x C5	evidence of extensive surface reworking, large burrows
SPI1-135-4000-A	Fo present, 1 x Cn6, 3 x E1	1 x C5	evidence of extensive surface reworking, large burrows
SPI1-135-4000-B	Fo present, 1 x C3	1 x C5	evidence of extensive surface reworking, multiple biogenic mounds
SPI1-135-4000-C	Fo present	0	
SPI1-135-400-A	1 x Cn1	0	Cluster like bacterial colonies rather than Beggiatoa
SPI1-135-400-B	Fo sparse	0	Cluster like bacterial colonies rather than Beggiatoa
SPI1-135-400-C	Fo sparse	0	Cluster like bacterial colonies rather than Beggiatoa, looks like 1 large dead Cn4
SPI1-135-4300-A	Fo present, 3 x E1	0	evidence of extensive surface reworking, large burrows
SPI1-135-4300-B	Fo present, 1 x C3, 4 x E1	1 x C2	evidence of extensive surface reworking, large burrows
SPI1-135-4300-C	Fo present,	1 x C2	evidence of extensive surface reworking, large burrows
SPI1-135-4600-A	Fo present, 1 x C6, 2 x E1	2 x C5	evidence of extensive surface reworking, large burrows
SPI1-135-4600-B	Fo abundant, 1 x C6, 23 x E1	2 x C5	image partially obscured by resuspended sediment, evidence of extensive surface reworking, large
SPI1-135-4600-C	Fo present, 1 x C6, 1 x C3, 2 x E1	0	evidence of extensive surface reworking, large burrows
SPI1-135-4900-A	Fo present, 1 x Cn4, 2 x E1	1 x C5	evidence of extensive surface reworking, large burrows
SPI1-135-4900-B	Fo present, 1 x Cn6, 1 x E2, 3 x E1	1 x F1, 1 x F4, 1 x C5	evidence of extensive surface reworking, large burrows
SPI1-135-4900-C	Fo present, 3 x E1, 1 x C3	0	evidence of extensive surface reworking, multiple surface tracks
SPI1-135-500-A	Fo present	1 x C2	notable shift in white bacterial surface clusters between last station (400) and this one
SPI1-135-500-B	1 x Cn1, 1 x U4, Fo present	0	
SPI1-135-500-C	Fo present	2 x C5	
SPI1-135-5200-A	Fo present, 1 x Cn1, 1 x Cn6,	1 x C2	evidence of extensive surface reworking
SPI1-135-5200-B	Fo present, 1 x Cn6, 5 x E1	3 x C5, 1 x F3, 1 x C2,	evidence of extensive surface reworking, large burrows
SPI1-135-5200-C	Fo present, 6 x E1	1 x C6, 2 x C2	evidence of extensive surface reworking
SPI1-135-5500-A	Fo present, 1 x C4, 1 x Cn6, 1 x C3,	0	evidence of extensive surface reworking
SPI1-135-5500-B	Fo present, 1 x C3, 2 x E1	1 x C6	evidence of extensive surface reworking
SPI1-135-5500-C	Fo abundant, 1 x E1	0	evidence of extensive surface reworking
SPI1-135-700-A	Fo sparse	1 x C5, 1 x C2	
SPI1-135-700-B	Fo present, 3 x U4, 5 x Cn1,	0	
SPI1-135-700-C	Fo present, 3 x Cn1	1 x C5	
SPI1-135-900-A	Fo present, 3 x C4, 10 x E1	0	
SPI1-135-900-B	Fo sparse, 9 x E1	2 x C2	

Preliminary Draft Data

Station	Epifauna	Bentho-pelagic fauna	Other Salient Features/comment
SPI1-135-900-C	na	na	battery dead, strobe didn't fire - no image
SPI1-180-1100-A	Fo present, 3 x Cn6, 1 x C4, 1 x E1	1 x C5, 1 x C2	mucus deposits
SPI1-180-1100-B	Fo sparse, 3 x Cn6, 11 x E1	1 x C2, 1 x C5	Drag trough through image
SPI1-180-1100-C	Fo sparse, 3 x E1	1 x F5, 2 x C5, 1 x C2	
SPI1-180-1300-A	Fo present, 1 x E5, 2 x E1	0	Cluster like bacterial colonies rather than Beggiatoa, shell debris
SPI1-180-1300-B	Fo sparse, 1 x C4, 1 x C3, 4 x E1	1 x C5	Cluster like bacterial colonies rather than Beggiatoa
SPI1-180-1300-C	Fo present, 1 x Cn6, 1 x C4, 13 x E1	1 x C5	Cluster like bacterial colonies rather than Beggiatoa, evidence of mounding
SPI1-180-1500-A	Fo present, 2 x Cn6, 7 x E1	1 x C5	Cluster like bacterial colonies (lower density than previous station) rather than Beggiatoa & shell
SPI1-180-1500-B	Fo present, 1 x Cn6, 5 x E1	1 x C2	Cluster like bacterial colonies rather than Beggiatoa
SPI1-180-1500-C	Fo present, 1 x U4, 1 x Cn1, 6 x E1, 1 x C4	0	Cluster like bacterial colonies rather than Beggiatoa, evidence of mounding
SPI1-180-1700-A	Fo present, 8 x E1	1 x C5, 1 x C2	shelly material, evidence of surface tracks
SPI1-180-1700-B	Fo present, 1 x C3, 1 x Cn6, 1 x C4	1 x C2	shelly material, evidence of surface tracks
SPI1-180-1700-C	Fo present, 1 x Cn1	1 x C2	shelly material, evidence of surface tracks
SPI1-180-1900-A	Fo present, 3 x E1	2 x C2, 1 x C6	shelly material, mounding, evidence of surface tracks
SPI1-180-1900-B	Fo present, 1 x Cn1, 1 x U8	1 x C5	shelly material, mounding, evidence of surface tracks
SPI1-180-1900-C	Fo present, 3 x Cn6, 1 x Cn1, 3 x E1	1 x C5	shelly material, mounding, evidence of surface tracks
SPI1-180-200-A	0	5 x C6	thick drilling mud deposit with surface tracks from shrimp foraging
SPI1-180-200-B	na	1 x C6	sediment resuspension, only 10% image viewable, evidence of Beggiatoa
SPI1-180-200-C	0	1 x F2	network of fecal pellet-encrusted polychaete tubes embedded in surface
SPI1-180-2100-A	Fo sparse, 5 x Cn6, 1 x C4, 4 x E1,	0	shelly material, evidence of surface tracks
SPI1-180-2100-B	Fo sparse, 2 x Cn6, 1 x C3, 1 x Cn1, 3 x E1	1 x C5, 1 x C2	old drag marks or cable imprint on bottom, evidence of surface tracks
SPI1-180-2100-C	Fo present, 2 x Cn6, 9 x E1	1 x C2	shelly material, evidence of surface tracks
SPI1-180-2300-A	Fo sparse, 1 x Cn6, 1 x Cn4, 3 x E1,	2 x C2	shelly material, substantial mounding in right half of image, evidence of surface tracks
SPI1-180-2300-B	na	na	sediment resuspension, only 10% image viewable
SPI1-180-2300-C	Fo present, 2 x Cn6, 1 x Cn1, 1 x C4,	0	shelly material, large mounding near trigger weight, evidence of surface tracks
SPI1-180-2500-A	Fo present, 2 x Cn6,	1 x C2	some shell material
SPI1-180-2500-B	na	na	resuspended sediment - bottom not visible
SPI1-180-2500-C	Fo sparse, 2 x Cn6, 1 x U7, 1 x Cn4,	0	evidence of surface tracks
SPI1-180-2650-A	Fo sparse, 2 x Cn6, 2 x E1	0	evidence of surface tracks
SPI1-180-2650-B	Fo present, 4 x Cn6, 1 x E1	0	partly obscured
SPI1-180-2650-C	Fo present, 1 x C4	1 x C5	possible Cn4, but image quality not sufficient to positively identify
SPI1-180-300-A	0	0	mixture of Beggiatoa and bacterial colonies, evidence of scouring
SPI1-180-300-B	na	na	sediment resuspension, about 25% image viewable. Evidence of Beggiatoa and bacterial colonies
SPI1-180-300-C	3 x Cn6	0	Cluster like bacterial colonies rather than Beggiatoa, mucus deposit
SPI1-180-3100-A	Fo sparse	1 x C5, 1 x C2	very large, deep burrows
SPI1-180-3100-B	Fo present, 1 x Cn6	1 x C6	suspended sediment in upper portion of image obscuring bottom
SPI1-180-3100-C	Fo present, 1 x Cn6	1 x C6	radial arrangement of burrows in upper right
SPI1-180-3400-A	Fo present, 5 x Cn6, 2 x E1, 2 x C4,	1 x C8, 1 x C2	
SPI1-180-3400-B	Fo present	0	
SPI1-180-3400-C	Fo sparse, 2 x Cn6, 1 x E1	1 x C2, 1 x C5	evidence of deep burrowing; large depression in upper left corner
SPI1-180-3700-A	Fo present, 3 x Cn6, 1 x C3	0	
SPI1-180-3700-B	Fo sparse, 2 x Cn6, 1 x Cn4,	1 x C5, 2 x C2,	evidence of deep burrowing and very large mounds
SPI1-180-3700-C	Fo sparse, 1 x E1	0	evidence of deep burrowing and mounding
SPI1-180-4000-A	Fo present, 1 x Cn6	1 x F6, 1 x C2	
SPI1-180-4000-B	Fo sparse, 1 x E1	0	
SPI1-180-4000-C	Fo sparse,	0	evidence of deep burrowing and very large mounds
SPI1-180-400-A	1 x Cn6	0	Cluster like bacterial colonies rather than Beggiatoa; networked, fecal pellet-encrusted polychaete tubes on surface (all 3 reps)
SPI1-180-400-B	1 x Cn6	0	Cluster like bacterial colonies rather than Beggiatoa, but bacterial colonies much reduced. Evidence

Preliminary Draft Data

Station	Epifauna	Bentho-pelagic fauna	Other Salient Features/comment
SPI1-180-400-C	1 x Cn6	1 x C6	Cluster like bacterial colonies rather than Beggiatoa, but bacterial colonies much reduced. Evidence
SPI1-180-4300-A	Fo present, 1 x E2, 5 x Cn6,	0	
SPI1-180-4300-B	Fo present, 4 x Cn6	0	
SPI1-180-4300-C	Fo present, 3 x Cn6	0	
SPI1-180-4600-A	Fo present, 1 x Cn1, 1 x Cn6	0	
SPI1-180-4600-B	Fo present, 1 x C3	0	
SPI1-180-4600-C	Fo present, 1 x E2, 1 x U4	1 x C2, 1 x C5	
SPI1-180-4900-A	Fo present, 2 x Cn6	0	
SPI1-180-4900-B	Fo present, 7 x Cn6	1 x C5, 1 x C2,	
SPI1-180-4900-C	Fo sparse, 2 x Cn6, 1 x Cn1, 1 x Cn4,	2 x C5	evidence of deep burrowing and mounding, Cn6 very large
SPI1-180-500-A	1 x C4, 1 x Cn6	0	Cluster like bacterial colonies rather than Beggiatoa, , but bacterial colonies much reduced, also drag mark through area
SPI1-180-500-B	0	0	no cluster like bacterial colonies, abrupt shift from last replicate
SPI1-180-500-C	1 x C4, 1 x Cn6	1 x C2, 1 x C5	no cluster like bacterial colonies, mucus deposit
SPI1-180-500-D	0	1 x C2	transitional shift between cluster & no cluster-like bacterial colonies
SPI1-180-5200-A	Fo present	1 x C5	
SPI1-180-5200-B	Fo present, 1 x Cn1, 1 x U9, 1 x C3	0	
SPI1-180-5200-C	Fo present, 1 x U8	0	evidence of deep bioturbation, mounding, surface tracks & trails
SPI1-180-5500-A	Fo present, 2 x Cn6	0	
SPI1-180-5500-B	Fo sparse, 1 x E2, 1 x E1	1 x C5	
SPI1-180-5500-C	Fo present	0	evidence of deep bioturbation and surface reworking, prominent trails/tracks in surface
SPI1-180-700-A	1 x Cn6	1 x C5	Cluster like bacterial colonies and Beggiatoa, mucus deposit
SPI1-180-700-B	1 x Cn4, 1 x Cn6	1 x C2	Cluster like bacterial colonies and Beggiatoa
SPI1-180-700-C	1 x C4, 2 x Cn6, 2 x E1	0	Cluster like bacterial colonies and Beggiatoa, all 3 reps also have the networked large fecal-pellet encrusted polychaete tubes
SPI1-180-900-A	3 x Cn6, 3 x E1	0	
SPI1-180-900-B	na	na	Resuspended sediment obscuring view
SPI1-180-900-C	3 x E1	0	
SPI1-2.21-A	Fo sparse	0	evidence of deep burrowing
SPI1-2.21-B	na	na	Resuspended sediment obscuring view
SPI1-2.21-C	1 x Cn 3, 1 x E1	0	evidence of faunal tracks, gastropod shells
SPI1-225-1100-A	Fo sparse, 1 x Cn4, 11 x E1	0	Patchy Beggiatoa and cluster like bacteria along with mounds of exhumed sediment from deposit
SPI1-225-1100-B	Fo present, 1 x Cn6, 12 x E1, 2 x U10, 1 x U11	1 x C2	Cluster like bacterial colonies rather than Beggiatoa
SPI1-225-1100-C	Fo present, 1 x Cn4, 24 x E1	0	Cluster like bacterial colonies with some Beggiatoa, mucus deposit
SPI1-225-1300-A	Fo present, 2 x Cn1, 26 x E1	0	
SPI1-225-1300-B	Fo present, 1 x C4, 44 x E1, 1 x U11, 1 x P2, 1 x Cn1,	0	
SPI1-225-1300-C	Fo present, 1 x E5, 1 x Cn4, 1 x U11, 2 x C3, 37 x E1	1 x C2,	
SPI1-225-1500-A	Fo present, 1 x Cn1, 50 x E1, 1 x Cn5	2 x C6, 1 x U7, 1 x C2	evidence of surface reworking
SPI1-225-1500-B	Fo present, 2 x Cn1, 35 x E1, 1 x C3	1 x C5, 1 x C2,	evidence of surface reworking, depression in upper right corner of image
SPI1-225-1500-C	Fo present, 1 x Cn4, 1 x Cn5, 11 x E1	1 x C2	evidence of surface reworking
SPI1-225-1700-A	Fo sparse, 1 x Cn4, 16 x E1, 2 x Cn5, 1 x Cn1,	1 x C2, 1 x C5	mucus deposit, evidence of surface reworking
SPI1-225-1700-B	Fo present, 2 x Cn1, 37 x E1, 1 x U11	0	evidence of surface reworking
SPI1-225-1700-C	Fo sparse, 1 x Cn1, 1 x Cn6, 1 x Cn3, 49 x E1, 1 x Cn4,	1 x C5	evidence of surface reworking
SPI1-225-1900-A	Fo present, 3 x Cn4, 15 x E1, 1 x P3	0	evidence of surface reworking
SPI1-225-1900-B	Fo present, 27 x E1		mucus deposit, evidence of surface reworking
SPI1-225-1900-C	Fo sparse, 1 x Cn3, 1 x Cn5, 13 x E1	1 x U11,	mucus deposit, evidence of surface reworking
SPI1-225-200-A	1 x E1, 1 x U4, 1 x U3,	0	fecal-pellet encrusted larger polychaete tubes embedded in sediment surface
SPI1-225-200-B	0	1 x C5, 3 x C6	evidence of deep burrowing in trop right hand corner, depression rop right to bottom centre of image - possible anthropogenic trough. Sediment texture very different than previous replicate
SPI1-225-200-C	0	0	fecal-pellet encrusted larger polychaete tubes embedded in sediment surface
SPI1-225-2100-A	Fo present, 10 x Cn4, 1 x Cn6, 32 x E1, 1 x U12, 3 x Cn1, 1 x Cn3, 1 x Cn5		mucus deposits, dense surface tube assemblage, evidence of surface reworking

Preliminary Draft Data

Station	Epifauna	Bentho-pelagic fauna	Other Salient Features/comment
SPI1-225-2100-B	Fo present, 60 x E1	0	evidence of surface reworking, white clusters on sediment surface, high density of holothurians
SPI1-225-2100-C	6 x E1, 1 x U5	0	little evidence of surface reworking, white clusters still present on surface (appear as clay flakes upon magnification & in profile images)
SPI1-225-2300-A	Fo present, 1 x E4, 10 x E1, 1 x C4	1 x C2,	evidence of surface reworking
SPI1-225-2300-B	Fo present, 1 x Cn1, 9 x E1	1 x C5	mucus deposit, evidence of surface reworking
SPI1-225-2300-C	Fo present, 1 x Cn3, 1 x Cn1. 25 x E1	1 x U7	mucus deposit, evidence of surface reworking
SPI1-225-2500-A	Fo sparse, 1 x Cn6, 1 x Cn2, 1 x Cn4, 5 x E1	1 x C6, 1 x F2	evidence of surface reworking
SPI1-225-2500-B	Fo sparse, 3 x Cn4, 8 x E1, 1 x U11, 1 x U4, 1 x Cn1,	1 x C6	mucus deposit, evidence of surface reworking, depression on left
SPI1-225-2500-C	Fo present, 1 x Cn1, 1 x Cn3, 9 x E1, 1 x G2	0	evidence of surface reworking
SPI1-225-2800-A	Fo present, 14 x E1	1 x C5	evidence of surface reworking, also larger deep burrows
SPI1-225-2800-B	Fo present, 1 x C4, 1 x C3, 6 x E1	0	mucus deposit, evidence of surface reworking
SPI1-225-2800-C	Fo present, 1 x Cn1, 2 x Cn4, 4 x E1	0	mucus deposit, evidence of surface reworking
SPI1-225-300-A	Fo sparse	0	mucus deposit, numerous tracks in sediment surface, sed surface networked with embedded
SPI1-225-300-B	Fo sparse	0	mucus deposit, numerous tracks in sediment surface, sed surface networked with embedded
SPI1-225-300-C	Fo sparse	0	mucus deposit, numerous tracks in sediment surface, sed surface networked with embedded
SPI1-225-3100-A	Fo present, 1 x U4, 2 x Cn1, 1 x C3, 3 x E1	2 x C5	evidence of surface reworking
SPI1-225-3100-B	Fo present, 3 x Cn1, 3 x E1, 1 x U11, 2 x Cn4, 1 x Cn3	0	evidence of surface reworking, numerous tracks & trails
SPI1-225-3100-C	Fo present, 1 x C3, 2 x Cn1, 4 x Cn4	1 x C5	mucus deposit, evidence of surface reworking
SPI1-225-3400-A	Fo present, 2 x Cn4, 1 x Cn1, 4 x E1	0	evidence of surface reworking
SPI1-225-3400-B	Fo present, 1 x Cn4, 1 x Cn1, 2 x E1	2 x C2	evidence of deep reworking, 2 large burrow openings in top center of image
SPI1-225-3400-C	Fo present, 1 x Cn1	1 x C5	evidence of surface reworking
SPI1-225-3700-A	Fo present, 1 x Cn1		evidence of surface reworking with patches of intense, small scale surface roughness
SPI1-225-3700-B	Fo sparse, 1 x Cn1, 1 x E1	2 x C5	evidence of mounding with associated large biogenic pit in lower left corner of image
SPI1-225-3700-C	Fo present, 1 x Cn1, 1 x Cn4, 1 x E6	0	mucus deposits, evidence of surface reworking
SPI1-225-4000-A	Fo present, 1 x Cn4, 1 x Cn3, 1 x C3, 1 x P2	0	mucus deposits, evidence of surface reworking
SPI1-225-4000-B	Fo present, 3 x P2	1 x C6	mucus deposits, evidence of surface reworking
SPI1-225-4000-C	Fo sparse, 1 x P2, 1 x C3, 1 x Cn1, 2 x Cn4, 5 x E1	0	mucus deposits, evidence of deep burrowing
SPI1-225-400-A	1 x E1	0	Bacterial colonies mixed with Beggiatoa
SPI1-225-400-B	0	0	Cluster like bacterial colonies, but largely Beggiatoa, mucus deposit
SPI1-225-400-C	1 x Cn2, 1 x E1	0	Disturbance scar through image
SPI1-225-4300-A	Fo present, 1 x U13, 2 x E1, 2 x Cn6, 4 x E1	0	evidence of surface reworking
SPI1-225-4300-B	Fo present, 1 x Cn4	1 x C5	evidence of deep burrowing in lower left corner of image
SPI1-225-4300-C	Fo sparse, 2 x Cn4	1 x C6, 1 x C5	evidence of surface reworking
SPI1-225-4600-A	Fo present, 2 x Cn1, 1 x E1	0	mucus deposits, evidence of surface reworking
SPI1-225-4600-B	Fo present, 1 x E2, 1 x Cn3, 1 x U11	0	evidence of surface reworking
SPI1-225-4600-C	Fo present, 1 x U3, 1 x Cn4, 1 x Cn3, 1 x Cn5, 1 x U10, 1 x C9	0	mucud deposit, evidence of surface reworking
SPI1-225-4900-A	Fo sparse, 4 x Cn4, 1 x P2, 1 x Cn3, 1 x U7, 2 x E1, 1 x E7	1 x C2	evidence of surface reworking
SPI1-225-4900-B	Fo sparse, 2 x E1, 1 x U11	1 x C5	evidence of surface reworking
SPI1-225-4900-C	Fo sparse, 1 x Cn3, 3 x Cn1	1 x C1	evidence of deep and surface reworking
SPI1-225-500-A	Fo sparse, 1 x E1, 2 x Cn1	0	mucus deposit
SPI1-225-500-B	Fo sparse, 1 x C4, 1 x Cn6, 2 x E1, 1 x Cn3	0	mucus deposit
SPI1-225-500-C	Fo sparse, 1 x Cn3, 1 x U7	1 x C2	mucus deposit
SPI1-225-5200-A	Fo present, 1 x E1	0	evidence of surface reworking
SPI1-225-5200-B	Fo present	0	evidence of surface reworking
SPI1-225-5200-C	Fo present, 1 x Py1, 1 x Cn4, 1 x C4, 1 x Cn3	0	evidence of surface reworking
SPI1-225-5500-A	Fo present, 5 x E1	0	extensive mounding and evidence of deep burrowing
SPI1-225-5500-B	Fo present, 1 x Cn3	0	evidence of surface reworking
SPI1-225-5500-C	Fo present, 1 x Cn3, 3 x E1	0	evidence of surface reworking
SPI1-225-700-A	Fo present, 2 x Cn 3, 9 x E1	0	mucus deposit, evidence of surface reworking
SPI1-225-700-B	Fo present, 1 x Cn1, 14 x E1	1 x C6	mucus deposit, evidence of surface reworking
SPI1-225-700-C	Fo sparse, 24 x E1	0	mucus deposit, evidence of surface reworking

Preliminary Draft Data

Station	Epifauna	Bentho-pelagic fauna	Other Salient Features/comment
SPI1-225-900-A	Fo sparse, 15 x E1	0	evidence of surface reworking
SPI1-225-900-B	Fo sparse, 7 x E1	0	evidence of surface reworking
SPI1-225-900-C	Fo present, 1 x E1	0	evidence of surface reworking
SPI1-270-1100-A	Fo present, 61 x E1, 3 x Cn4	0	evidence of surface reworking, high density of holothurians
SPI1-270-1100-B	Fo present, 1 x Cn4, 26 x E1, 1 x C3	0	mucus deposit, evidence of surface reworking
SPI1-270-1100-C	Fo sparse, 28 x E1, 3 x Cn4, 1 x Cn3, 1 x Cn1	1 x C5	evidence of surface reworking
SPI1-270-1300-A	Fo sparse, 1 x Cn4, 46 x E1	0	drag scar through image, mucus deposit, evidence of surface reworking
SPI1-270-1300-B	Fo sparse, 2 x Cn4, 1 x Cn1, 38 x E1, 1 x C3	0	mucus deposit, evidence of surface reworking
SPI1-270-1300-C	Fo present, 3 x Cn3, 4 x Cn4, 46 x E1	0	Drag scar through image, evidence of surface reworking, mucus deposit
SPI1-270-1500-A	Fo present, 3 x Cn4, 17 x E1, 2 x C3	1 x U7	evidence of surface reworking, mucus deposit
SPI1-270-1500-B	Fo sparse, 1 x Cn4, 1 x U4, 16 x E1	0	evidence of surface reworking
SPI1-270-1500-C	na	na	high suspended sediment concentration, bottom not visible
SPI1-270-1700-A	Fo present, 1 x U4, 1 x C4, 17x E1, 1 x Cn3, 1 x Cn1	0	evidence of surface reworking
SPI1-270-1700-B	Fo present, 2 x Cn4, 1 x Cn1, 1 x U11, 10 x E1	0	extensive mounding and surface tracks
SPI1-270-1700-C	Fo sparse, 1 x C4, 10 x E1	0	extensive mounding and evidence of surface tracks
SPI1-270-1900-A	Fo present, 1 x Cn4, 11 x E1	0	mucus deposit, evidence of surface reworking
SPI1-270-1900-B	Fo present, 1 x U5, 1 x C4, , 2 x E1	1 x C5	evidence of surface tracks
SPI1-270-1900-C	na	na	high suspended sediment concentration, bottom not visible
SPI1-270-200-A	2 x E1	0	mucus deposit, larger polychaete tubes embedded in sediment surface & covered with fecal pellets
SPI1-270-200-B	4 x E1	0	network of fecal pellet-encrusted polychaete tubes embedded in surface
SPI1-270-200-C	0	0	Large bivalve sticking out of sediment, mucus deposit, evidence of surface burrowing, network of fecal pellet-encrusted polychaete tubes embedded in surface
SPI1-270-2100-A	Fo present, 2 x C3, 7 x E1	0	extensive mounding and surface tracks
SPI1-270-2100-B	na	na	high suspended sediment concentration, bottom not visible
SPI1-270-2100-C	na	na	high suspended sediment concentration, bottom not visible
SPI1-270-2300-A	Fo present, 2 x Cn4, 9 x E1, 1 x G2	1 x C5	evidence of surface tracks, multiple small biogenic mounds
SPI1-270-2300-B	Fo present, 1 x Cn4, 1 x C4	0	image partly obscured
SPI1-270-2300-C	na	na	Sediment resuspension, only 5% of image viewable
SPI1-270-2500-A	Fo present, 2 x E1	0	evidence of surface tracks
SPI1-270-2500-B	na	na	Sediment resuspension obscures view
SPI1-270-2500-C	Fo present, 1 x E1	na	Sediment resuspension obscures view
SPI1-270-2800-A	Fo present, 13 x E1, 1 x Cn4	0	mucus deposit, evidence of deep burrowing and surface reworking
SPI1-270-2800-B	Fo present, 18 x E1	0	mucus deposit and surface reworking
SPI1-270-2800-C	na	na	high suspended sediment concentration, bottom not visible
SPI1-270-300-A	1 x Cn3, 4 x E1	0	Drag scar through image.
SPI1-270-300-B	Fo sparse, 1 x Cn3, 6 x E1, 1 x Cn2	0	
SPI1-270-300-C	Fo present, 2 x C4, 8 x E1, 4 x U4	1 x C5	Drag scar through image, topographical high with multiple encrusting epifauna smothered
SPI1-270-3400-A	Fo present, 1 x C3, 12 x E1, 1 x E5,	0	evidence of surface tracks
SPI1-270-3400-B	Fo present, 1 x Cn4, 1 x Cn1, 1 x U5	0	evidence of surface tracks and mucus deposit
SPI1-270-3400-C	Fo present	0	Sediment resuspension obscures view of lower half of image
SPI1-270-3700-A	Fo present, 1 x Cn1, 1 x Cn3, 9 x E1, 1 x C3, 1 x Cn4	0	evidence of surface tracks and mucus deposit
SPI1-270-3700-B	Fo present, 1 x C4, 1 x C3, 14 x E1	0	evidence of surface tracks
SPI1-270-3700-C	na	na	Sediment resuspension obscures view
SPI1-270-4000-A	Fo present, 1 x C4, 1 x Cn4, 1 x Cn5, 33 x E1	0	evidence of surface tracks
SPI1-270-4000-B	Fo present	1 x C5	most of image obscured, but can see forams and one C5
SPI1-270-4000-C	na	na	Sediment resuspension obscures view
SPI1-270-400-A	1 x Cn1, 2 x E1, Fo present	0	
SPI1-270-400-B	1 x U3, 7 x E1, 1 x U4, 1 x Cn1, Fo present	0	drag scar through image
SPI1-270-400-C	12 x E1, 1 x Cn1, Fo present	0	mucus deposit
SPI1-270-4300-A	na	na	battery dead, strobe didn't fire - no image
SPI1-270-4300-B	na	na	battery dead, strobe didn't fire - no image

Preliminary Draft Data

Station	Epifauna	Bentho-pelagic fauna	Other Salient Features/comment
SPI1-270-4300-C	na	na	battery dead, strobe didn't fire - no image
SPI1-270-4600-A	na	na	battery dead, strobe didn't fire - no image
SPI1-270-4600-B	na	na	battery dead, strobe didn't fire - no image
SPI1-270-4600-C	na	na	battery dead, strobe didn't fire - no image
SPI1-270-4900-A	na	na	battery dead, strobe didn't fire - no image
SPI1-270-4900-B	na	na	battery dead, strobe didn't fire - no image
SPI1-270-4900-C	na	na	battery dead, strobe didn't fire - no image
SPI1-270-500-A	Fo present,1 x Cn1, 1 x U11, 2 x C3, 2 x E1	0	mucus deposit, evidence of surface reworking
SPI1-270-500-B	Fo present, 1 x Cn4, 16 x E1, 1 x Cn6, 1 x C3	1 x C5	mucus deposit, evidence of surface reworking
SPI1-270-500-C	Fo present, 1 x Cn6, 18 x E1, 2 x Cn2	0	mucus deposit, evidence of surface reworking
SPI1-270-5200-A	na	na	battery dead, strobe didn't fire - no image
SPI1-270-5200-B	na	na	battery dead, strobe didn't fire - no image
SPI1-270-5200-C	na	na	battery dead, strobe didn't fire - no image
SPI1-270-5500-A	na	na	battery dead, strobe didn't fire - no image
SPI1-270-5500-B	na	na	battery dead, strobe didn't fire - no image
SPI1-270-5500-C	na	na	battery dead, strobe didn't fire - no image
SPI1-270-700-A	Fo present, 1 x Cn3, 32 x E1, 1 x Cn1	0	mucus deposit, evidence of surface reworking, deep burrow
SPI1-270-700-B	Fo present, 1 x C3, 1 x E2, 20 x E1, 2 x Cn4	1 x C6, 1 x C5, 2 x P3	evidence of surface reworking
SPI1-270-700-C	Fo present, 58 x E1, 3 x Cn4, 1 x Cn3, 1 x U7	0	evidence of surface reworking
SPI1-270-900-A	Fo present, 13 x E1, 2 x Cn4, 1 x Cn1	0	mucus deposit
SPI1-270-900-B	Fo present, 4 x Cn4, 50 x E1, 1 x Cn3	1 x C5	evidence of surface reworking
SPI1-270-900-C	Fo present, 53 x E1, 1 x Cn6	0	Drag scar through image, evidence of surface reworking
SPI1-315-1100-A	Fo sparse, 2 x Cn4, 1 x C3, 18 x E1, 1 x U4	1 x C5,	evidence of surface reworking
SPI1-315-1100-B	Fo present, 1 x U4, 19 x E1	2 x C5	evidence of surface reworking
SPI1-315-1100-C	Fo present, 12 x E1, 1 x C3	0	evidence of surface reworking
SPI1-315-1300-A	Fo present, 18 x E1	0	evidence of surface reworking
SPI1-315-1300-B	Fo sparse, 1 x U4	1 x C5	partly obscured image,
SPI1-315-1300-C	Fo present, 18 x E1	0	debris less than in previous images, evidence of surface reworking
SPI1-315-1500-A	Fo present, 1 x C3, 3 x Cn4, 1 x C4, 42 x E1	0	mucus deposit, more debris than in previous image, evidence of surface reworking
SPI1-315-1500-B	Fo present, 1 x C3, 2 x Cn4, 16 x E1	0	evidence of surface reworking
SPI1-315-1500-C	Fo present, 1 x C3, 39 x E1	0	evidence of surface reworking
SPI1-315-1700-A	Fo present, 10 x E1	0	evidence of surface reworking, less black debris
SPI1-315-1700-B	Fo present, 1 x C3, 37 x E1	0	evidence of surface reworking, black debris small
SPI1-315-1700-C	Fo present, 1 x E2, 1 x C3, 16 x E1	1 x F2, 1 x C5	evidence of surface reworking
SPI1-315-1900-A	Fo present, 12 x E1, 3 x Cn4	1 x C5	evidence of surface reworking
SPI1-315-1900-B	Fo present, 1 x Cn1, 1 x Cn3, 29 x E1	0	evidence of surface reworking
SPI1-315-1900-C	Fo present, 18 x E1, 4 x Cn4	0	evidence of surface reworking
SPI1-315-200-A	0	1 x U11,	unknown small red structures throughout image, sediment disturbed, larger fecal-pellet encrusted polychaete tubes embedded in sediment surface
SPI1-315-200-B	0	2 x C5	sediment surface disturbed with mounds, numerous small furrows from predator foraging
SPI1-315-200-C	3 x Cn3,	1 x C5	sediment disturbed with drilling mud deposit (all 3 reps)
SPI1-315-2100-A	Fo present, 1 x C3, 1 x Cn3, 4 x E1	1 x C5	evidence of surface reworking
SPI1-315-2100-B	Fo present, 1 x Cn4, 1 x C3, 13 x E1	0	evidence of surface reworking
SPI1-315-2100-C	Fo present, 1 x C3, 1 x Cn4, 2 x E1	1 x C5	evidence of surface reworking
SPI1-315-2300-A	Fo present, 6 x E1, 1 x Cn4, 1 x Cn3, 1 x C3	1 x Cn7	evidence of surface reworking
SPI1-315-2300-B	Fo sparse, 1 x G2, 1 x C3,	1 x C5	evidence of surface reworking
SPI1-315-2300-C	Fo present, 12 x E1, 1 x C3, 1 x Cn4,	0	evidence of surface reworking and deep burrowing, mucus deposit
SPI1-315-2500-A	Fo present, 8 x E1, 1 x Cn4	0	evidence of surface reworking and deep burrowing, mucus deposit
SPI1-315-2500-B	Fo present, 1 x E2, 1 x C3, 10 x E1	0	evidence of surface reworking and deep burrowing, mucus deposit
SPI1-315-2500-C	Fo present, 1 x E2, 7 x E1	0	evidence of surface reworking and deep burrowing
SPI1-315-2800-A	Fo sparse, 3 x C3, 1 x Cn3, 3 x E1	0	evidence of surface reworking and deep burrowing

Preliminary Draft Data

Station	Epifauna	Bentho-pelagic fauna	Other Salient Features/comment
SPI1-315-2800-B	Fo sparse, 1 x E2, 1 x Cn3, 6 x E1	0	evidence of surface reworking and deep burrowing
SPI1-315-2800-C	Fo present, 1 x Cn3, 1 x P2, 3 x E1	0	evidence of surface reworking and deep burrowing
SPI1-315-300-A	0	1 x F4	sediment disturbed, mucus deposit, appears to be drilling muds
SPI1-315-300-B	1 x Cn3, 3 x E1	1 x C5	sediment disturbed, appears to be drilling muds
SPI1-315-300-C	1 x E1	0	sediment disturbed, appears to be drilling muds
SPI1-315-3100-A	Fo present, 1 x E7, 4 x E1	1 x C5	evidence of surface reworking and deep burrowing, mucus deposit
SPI1-315-3100-B	Fo sparse, 1 x P2, 1 x G2, 1 x E1	2 x C5	evidence of surface reworking and deep burrowing
SPI1-315-3100-C	Fo present, 2 x P2, 1 x Cn3, 3 x E1	1 x C5	evidence of surface reworking and deep burrowing
SPI1-315-3400-A	1 x P2	0	mounding, evidence of surface reworking and deep burrowing, previous ROV coring sample divot in
SPI1-315-3400-B	Fo sparse	1 x C5	evidence of surface reworking and deep burrowing, imprint of previous rep camera base in lower
SPI1-315-3400-C	Fo sparse, 2 x Cn3, 1 x G2,	0	evidence of surface reworking and deep burrowing, mucus deposit
SPI1-315-3700-A	Fo sparse, 1 x Cn3, 1 x Cn1,	0	evidence of surface reworking and deep burrowing
SPI1-315-3700-B	Fo present, 2 x U2	1 x C2	evidence of surface reworking and deep burrowing, mucus deposits
SPI1-315-3700-C	Fo sparse, 2 x Cn3, 1 x Cn5, 1 x C3, 2 x E1	0	evidence of surface reworking and deep burrowing
SPI1-315-4000-A	Fo sparse, 1 x C3, 3 x P2, 2 x Cn3, 1 x U2, 2 x E1, 1 x E8, 1 x G2	0	evidence of surface reworking and deep burrowing, mucus deposits
SPI1-315-4000-B	Fo sparse, 3 x C3, 5 x E1	0	evidence of surface reworking and deep burrowing
SPI1-315-4000-C	Fo sparse, 2 x P2, 1 x U4, 2 x C3, 1 x Cn3,	0	evidence of surface reworking and deep burrowing
SPI1-315-400-A	2 x E1	0	sediment disturbed, appears to be drilling muds
SPI1-315-400-B	0	0	mucus deposit, sediment disturbed, some surface trails - appears to be drilling mud deposit
SPI1-315-400-C	1 x U4,	1 x C5	sediment disturbed, appears to be drilling muds
SPI1-315-4300-A	Fo sparse, 1 x Cn3, 1 x Cn1,	0	evidence of surface reworking and deep burrowing
SPI1-315-4300-B	Fo sparse, 1 x U4, 2 x C3, 1 x Cn3	1 x C2	evidence of surface reworking and deep burrowing
SPI1-315-4300-C	Fo sparse, 1 x U2, 2 x P2, 1 x C3, 1 x Cn8	0	evidence of surface reworking and deep burrowing
SPI1-315-4600-A	Fo sparse,	0	small crater that looks like former coring location; evidence of surface reworking and deep burrowing
SPI1-315-4600-B	Fo present, 1 x Cn3, 2 x C3, 4 x E1, 2 x P2, 1 x E2	0	evidence of surface reworking and deep burrowing, mucus deposit
SPI1-315-4600-C	Fo sparse, 1 x E7, 13 x E1, 2 x C3	0	evidence of surface reworking and deep burrowing
SPI1-315-4900-A	Fo sparse, 1 x E7, 1 x C3, 1 x C4, 8 x E1	1 x C2	evidence of surface reworking
SPI1-315-4900-B	Fo sparse, 1 x Cn8, 3 x Cn3, 1 x Cn1, 30 x E1	0	evidence of surface reworking and deep burrowing
SPI1-315-4900-C	Fo sparse, 1 x Cn3, 1 x E7, 45 x E1, 1 x G2, 1 x C3	0	evidence of surface reworking and deep burrowing
SPI1-315-500-A	Fo present, 25 x E1	1 x C2	continuation of drilling mud deposit, dense tube assemblage on surface
SPI1-315-500-B	Fo present, 1 x Cn3, 1 x U14	0	mucus deposit, sediment disturbed
SPI1-315-500-C	Fo present, 3 x E1	0	mucus deposit, sediment disturbed, some surface trails - appears to be drilling mud deposit
SPI1-315-5200-A	Fo sparse, 14 x E1, 1 x U11, 16 x E1	0	evidence of surface reworking
SPI1-315-5200-B	Fo sparse, 1 x U11, 21 x E1	0	evidence of surface reworking
SPI1-315-5200-C	Fo sparse, 1 x Cn4, 1 x Cn3, 1 x P2, 8 x E1	0	evidence of surface reworking and deep burrowing
SPI1-315-5500-A	Fo sparse, 1 x C3	1 x C5	evidence of surface reworking and deep burrowing
SPI1-315-5500-B	Fo sparse, 1 x Cn3	0	evidence of surface reworking and deep burrowing
SPI1-315-5500-C	Fo sparse, 3 x Cn1, 1 x Cn3, 2 x E1	2 xC5	evidence of surface reworking and deep burrowing
SPI1-315-700-A	Fo present, 1 x Cn4, 67 x E1, 1 x U7, 1 x C3	1 x P1	sediment less physically disturbed, mucus deposit, evidence of surface reworking
SPI1-315-700-B	Fo present, 1 x C3, 5 x E1	0	evidence of surface reworking
SPI1-315-700-C	Fo present, 1 x Cn4, 15 x E1	0	mucus deposit, evidence of surface reworking
SPI1-315-900-A	Fo present, 23 x E1, 1 x C3, 1 x U11	0	evidence of surface reworking
SPI1-315-900-B	Fo present, 2, x C3, 14 x E1	1 x C5, 1 x C2	mucus deposit, pycnogonid legs, evidence ofsurface reworking
SPI1-315-900-C	Fo present, 1 x P2, 2 x C3, 1 x G2, 1 x Cn4, 34 x E1	0	mucus deposit, very large black debris in bottom left, evidence of surface reworking
SPI1-A-86-A	Fo present, 1 x U7, 1 x Cn4	0	evidence of surface reworking
SPI1-A-86-B	Fo present, 5 x P2, 1 x Cn4, 1 x C3	1 x C2	evidence of surface reworking
SPI1-A-86-C	Fo present, 2 x P2, 1 x U11, 1 x Cn5	1 x C5, 1 x C2	evidence of surface reworking and deep burrowing
SPI1-ALTNF001-A	Fo present, 1 x Cn6, 1 x Cn3, 1 x E1	0	network of fecal pellet-encrusted polychaete tubes embedded in surface
SPI1-ALTNF001-B	Fo present, 1 x Cn3, 2 x E1	0	network of fecal pellet-encrusted polychaete tubes embedded in surface
SPI1-ALTNF001-C	Fo present, 1 x Cn3, 1 x Cn1, 3 x E1	1 x C5	network of fecal pellet-encrusted polychaete tubes embedded in surface
SPI1-ALTNF015-A	Fo present, 1 x C4, 9 x E1	0	

Preliminary Draft Data

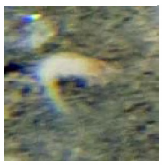
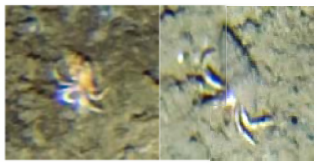
Station	Epifauna	Bentho-pelagic fauna	Other Salient Features/comment
SPI1-ALTNF015-B	Fo present, 1 x Cn3, 2 x P2, 4 x E1, 1 x Cn4	0	
SPI1-ALTNF015-C	Fo present, 1 x Cn4	1 x C5	
SPI1-CH_GIP 18-A	Fo present, 1 x Cn6, 41 x E1	0	evidence of surface reworking
SPI1-CH_GIP 18-B	na	na	Sediment resuspension obscures view
SPI1-CH_GIP 18-C	na	na	Sediment resuspension obscures view
SPI1-CH_GIP 24-A	Fo sparse, 1 x U2, 10 x E1	1 x C2	evidence of surface rewokring and deep burrowing
SPI1-CH_GIP 24-B	Fo sparse, 1 x Cn3, 15 x E1	0	evidence of surface rewokring and deep burrowing
SPI1-CH_GIP 24-C	Fo sparse, 1 x P2, 1 x C3, 9 x E1	0	evidence of surface rewokring and deep burrowing, mucus deposit
SPI1-CH_Well-A	1 x Cn3	1 x C5	network of fecal pellet-encrusted polychaete tubes embedded in surface
SPI1-CH_Well-B	5 x E1		network of fecal pellet-encrusted polychaete tubes embedded in surface
SPI1-CH_Well-C	2 x Cn1, 1 x Cn3, 1 x Cn6	1 x C5	network of fecal pellet-encrusted polychaete tubes embedded in surface
SPI1-D031S-A	17 x E1, 1 x Cn4	0	
SPI1-D031S-B	11 x E1	0	Drag scars through image, evidence of some deep buurowing
SPI1-D031S-C	1 x Cn1, 10 x E1	1 x C5	
SPI1-D038SW-A	1 x E1	0	physically very disturbed, drilling mud deposit, surface tracks evident
SPI1-D038SW-B	0	1 x C5	physically very disturbed, drilling mud deposit, surface tracks evident
SPI1-D038SW-C	1 x E1	1 x C5	physically very disturbed, drilling mud deposit, surface tracks evident
SPI1-D040S-A	Fo present, 34 x E1	0	mucus deposit
SPI1-D040S-B	Fo present, 1 x Cn3, 33 x E1	0	mucus deposit
SPI1-D040S-C	Fo sparse, 1 x Cn3, 58 x E1	0	mucus deposit
SPI1-D042S-A	Fo present, 1 x U4, 1 x Cn51 x Cn6, 14 x E1	0	
SPI1-D042S-B	Fo present, 1 x Cn1, 1 x E7	0	
SPI1-D042S-C	Fo present, 43 x E1	0	
SPI1-D043S-A	Fo sparse, 2 x P2, 1 x Cn1, 1 x Cn6	0	
SPI1-D043S-B	Fo sparse, 1 x Cn4,	0	
SPI1-D043S-C	Fo sparse, 1 x U3, 1 x Cn4	0	evidence of mounding and deep burrowing
SPI1-D044S-A	Fo present, 1 x Cn9, 31 x E1	0	evidence of surface reworking
SPI1-D044S-B	Fo present, 3 x Cn4, 27 x E1	0	mucus deposit, evidence of surface reworking
SPI1-D044S-C	Fo present, 1 x P2, 22 x E1, 1 x C3	0	evidence of surface reworking
SPI1-D050S-A	Fo sparse, 1 x Cn1, 1 x E2, 1 x Cn3, 14 x E1	1 x C5	evidence of surface reworking and deep burrowing
SPI1-D050S-B	Fo sparse, 2 x U4, 1 x C3, 1 x Cn3, 23 x E1	0	evidence of surface reworking and deep burrowing
SPI1-D050S-C	Fo sparse, 4 x Cn3, 1 x G3	1 x C2	evidence of surface reworking and deep burrowing, shadow suggesting Cn8 out of shot
SPI1-D062S-A	Fo present	0	evidence of deep burrowing
SPI1-D062S-B	na	na	high suspended sediment concentration, bottom not visible
SPI1-D062S-C	na	na	high suspended sediment concentration, bottom not visible
SPI1-HiPro-A	Fo sparse, 1 x Cn4, 1 x Cn6, 1 x C3, 2 x E3	0	evidence of deep burrowing
SPI1-HiPro-B	na	na	high suspended sediment concentration, bottom not visible
SPI1-HiPro-C	na	na	high suspended sediment concentration, bottom not visible
SPI1-Joye026-A	Fo present, 2 x P2, 1 x Cn6, 1 x Cn1, 3 x C3, 1 x U4	0	evidence of mounding and deep burrowing, surface reworking
SPI1-Joye026-B	Fo present, 1 x U11, 1 x E2, 1 x Cn1, 1 x Cn3, 1 x Cn4, 1 x C3, 1 x P3, 1 x P2, 11 x E1, 1 x E7	0	evidence of surface reworking, mucus deposit
SPI1-Joye026-C	Fo present, 1 x C4, 2 x Cn1, 1 x Cn4, 1 x Cn6, 1 x E7, 10 x E1	0	evidence of surface reworking, mucus deposit
SPI1-LBNL10-A	Fo sparse, 1 x C3,	2 x C5	evidence of deep burrowing and surface reworking
SPI1-LBNL10-B	na	na	
SPI1-LBNL10-C	Fo sparse, 1 x C3	0	evidence of deep burrowing and surface reworking
SPI1-LBNL14-A	Fo present, 10 x E1		mucus deposit, evidence of surface reworking
SPI1-LBNL14-B	Fo present, 1 x U4, 2 x P2, 1 x Cn3, 15 x E1	1 x C2	mucus deposit, evidence of surface reworking
SPI1-LBNL14-C	Fo present, 1 x U4, 4 x E1, 1 x P3	0	evidence of surface reworking
SPI1-LBNL1-A	Fo present, 1 x Cn1, 1 x Cn4, 2 x E1	1 x C5	mucus deposits, some evidence of surface reworking
SPI1-LBNL1-B	Fo sparse, 3 x Cn4, 1 x Cn1,	0	mucus deposit
SPI1-LBNL1-C	Fo present, 1 x Cn4, 4 x E1, 1 x U11, 1 x P2	1 x C2	

Preliminary Draft Data

Station	Epifauna	Bentho-pelagic fauna	Other Salient Features/comment
SPI1-LBNL7-A	Fo sparse, 5 x E1, 1 x Cn4	0	
SPI1-LBNL7-B	na	na	high suspended sediment concentration, bottom not visible
SPI1-LBNL7-C	na	na	high suspended sediment concentration, bottom not visible
SPI1-LBNL9-A	Fo present, 1 x E1	1 x C5	
SPI1-LBNL9-B	na	na	Resuspension, only about 20% image viewable
SPI1-LBNL9-C	Fo present	1 x C5	evidence of deep burrowing, large aggregation of resuspended sediment covering about 40% of
SPI1-MC292/FF005-A	0	0	evidence of deep burrowing and mounding, round scour marks
SPI1-MC292/FF005-B	0	0	evidence of some surface reworking, deep burrowing with large mound from burrow excavation
SPI1-MC292/FF005-C	1 x Cn6	1 x fish shadow	evidence of some surface reworking, but deep burrowing
SPI1-NF006MOD-A	Fo present, 2 x C3, 56 x E1, 1 x U5	0	mucus deposits, evidence of surface reworking
SPI1-NF006MOD-B	Fo present, 2 x C3, 1 x Cn4, 26 x E1	0	mucus deposit
SPI1-NF006MOD-C	Fo present, 1 x Cn4, 61 x E1	0	
SPI1-NF008-A	Fo present, 1 x Cn4, 1 x U4, 1 x Cn3, 2 x Cn1, 6 x E1	0	evidence of surface reworking
SPI1-NF008-B	Fo present, 2 x Cn1, 1 x G2, 4 x E1	0	evidence of surface reworking
SPI1-NF008-C	Fo present, 2 x P2, 1 x Cn6, 1 x Cn3, 1 x Cn4, 1 x U12, 12 x E1	1 x C5, 1 x C2	evidence of surface reworking
SPI1-NF009-A	Fo present, 1 x Cn3, 1 x Cn6, 1 x C3, 27 x E1	1 x C2	mucus deposit, evidence of surface reworking
SPI1-NF009-B	na	na	high suspended sediment concentration, bottom not visible
SPI1-NF009-C	na	na	high suspended sediment concentration, bottom not visible
SPI1-NF010-A	Fo sparse, 1 x E1	0	mucus deposit, evidence of surface reworking and deep burrowing
SPI1-NF010-B	Fo sparse	0	partially obscured, due to sediment resuspension, 60% of image viewable, physically disturbed, evidence of some surface reworking and deep burrowing, mucus deposit
SPI1-NF010-C	Fo sparse, 1 x U4, 1 x C4, 1 x U2,	1 x C5	large pit, evidence of surface reworking and deep burrowing
SPI1-NF012-A	Fo present, 1 x U12, 34 x E1, 1 x U4	0	evidence of surface reworking and deep burrowing, lots of pteropod shells
SPI1-NF012-B	Fo sparse, 1 x U4, 1 x C3, 1 x P2, 9 x E1	0	lots of pteropod shells, large pit, evidence of surface reworking and deep burrowing,
SPI1-NF012-C	Fo present, 8 x E1, 1 x U4	0	evidence of surface reworking and deep burrowing
SPI1-NF013-A	Fo present, 1 x U12, 1 x Cn4, 2 x Cn6, 1 x Cn3, 5 x E1	0	evidence of surface reworking and deep burrowing
SPI1-NF013-B	Fo present, 1 x C3, 1 x Cn4	0	mucus deposit, evidence of surface reworking and deep burrowing
SPI1-NF013-C	Fo present, 1 x U4, 2 x C3, 1 x Cn3, 5 x E1	0	U4 very large, evidence of surface reworking and deep burrowing
SPI1-NF014-A	Fo present, 2 x C3, 5 x P2, 1 x Cn3, 20 xE1	1 x C5	evidence of surface reworking and deep burrowing,
SPI1-NF014-B	na	na	high suspended sediment concentration, bottom not visible
SPI1-NF014-C	Fo present, 1 x Cn1, 1 x 24 E1	1 x C2	evidence of surface reworking and deep burrowing
SPI1-RIP_D040S-A	1 x Cn1, 7 x E1, 1 x U11,	0	mucus deposit
SPI1-RIP_D040S-B	1 x Cn3,24 x E1, 1 x P1,	1 x C5	
SPI1-RIP_D040S-C	Fo sparse, 16 x E1, 1 x U4	1 x C6	mucus deposit
SPI1-RK_HIPRO-A	Fo sparse, 1 x C3, 2 x E1	1 x C5	evidence of deep burrowing, pteropod shells
SPI1-RK_HIPRO-B	Fo sparse, 1 x E1	2 x C5	evidence of deep burrowing, pteropod shells
SPI1-RK_HIPRO-C	na	na	high suspended sediment concentration, bottom not visible
SPI1-RK-MT2-A	1 x Cn10, 1 x Cn11	1 x F5	extensive evidence of deep burrowing
SPI1-RK-MT2-B		0	extensive evidence of deep burrowing
SPI1-RK-MT2-C	na	na	high suspended sediment concentration, bottom not visible
SPI1-RK-MT3-A	0	0	extensive evidence of deep burrowing, classic deep sea mud surface shot
SPI1-RK-MT3-B	na	na	high suspended sediment concentration, bottom not visible
SPI1-RK-MT3-C	na	na	high suspended sediment concentration, bottom not visible
SPI1-VK916-A	0	1 x C2	extensive deep burrowing, evidence of surface reworking
SPI1-VK916-B	2 x Cn1	0	evidence of surface reworking
SPI1-VK916-C	0	0	extensive deep burrowing, evidence of surface reworking

Type specimens

Crustaceans

Species	Image	Comments
C1		Unknown shrimp species. Yellow/orange eyes. White rostrum.
C2		Unknown shrimp species. Yellow/orange eyes, white rostrum, pink appendages, possibly *Glyphocrangon* sp.
C3		Hermit crab
C4		Squat lobster (possibly *Muniodopsis* sp.)
C5		Pennaeid , probably *Plesiopenaeus* sp.

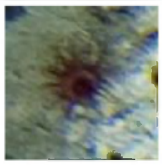
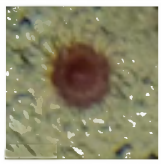
Crustaceans

Species	Image	Comments
C6		Unknown shrimp.
C7		Decapod (crab), *Chaceon quinquidens*
C8		Decapod (crab), unknown

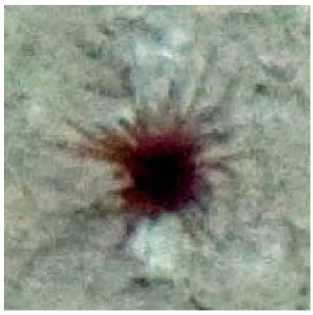
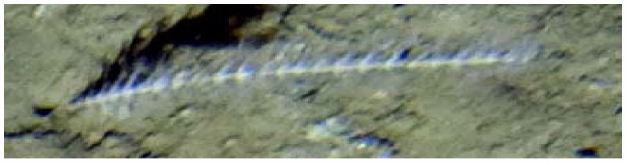
Crustaceans

Species	Image	Comments
C9		Decapod (spider crab), unknown.

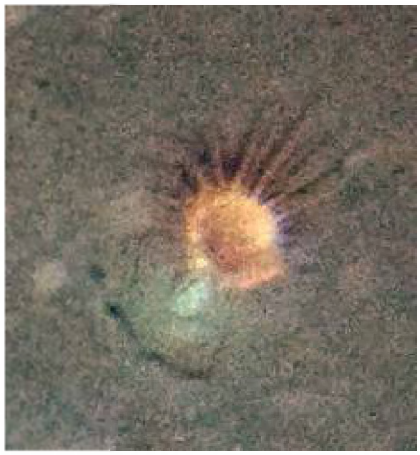
Cnidarians

Species	Image	Comments
Cn1		Unidentified cerianthid anemone (short tentacles).
Cn2		Unidentified cerianthid anemone (long tentacles)
Cn3		Unidentified cerianthid anemone (white/translucent long tentacles)
Cn4		Gorgonian coral?
Cn5		Unidentified cerianthid anemone

Cnidarians

Species	Image	Comments
Cn6		Unidentified cerianthid anemone
Cn7		Lobate ctenophore *Bathocyroe fosterii*
Cn8		Unidentified sea pen

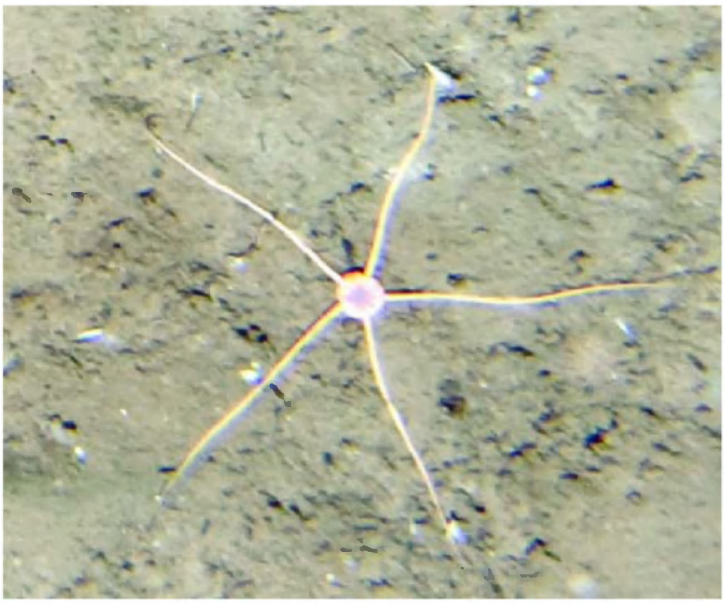
Cnidarians

Species	Image	Comments
Cn9		Jellyfish?? Unidentified (if medusa, possibly could be *Atolla)*
Cn10		Large anemone, possibly a flytrap anemone

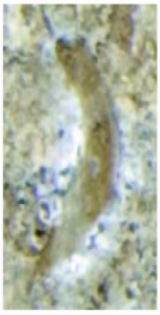
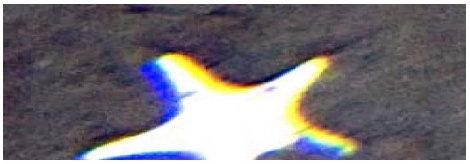
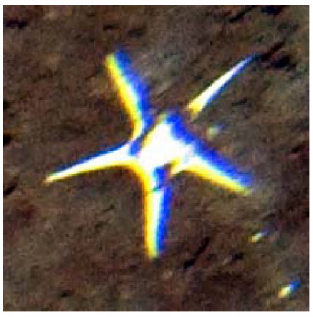
Cnidarians

Species	Image	Comments
Cn11		Possible cerianthid anemone

Echinoderms

Species	Image	Comments
E1	 	Holothurian, family Elpididae
E2		Ophiuroid spp.

Echinoderms

Species	Image	Comments
E3		Unidentified holothurian
E4		Unidentified asteroid
E5		Unidentified asteroid
E6		Unidentified holothurian
E7		Unidentified, possible holothurian

Echinoderms

Species	Image	Comments
E8		Unidentified, possible holothurian

Fish

Species	Image	Comments
F1		Unidentified

Fish

Species	Image	Comments
F2		Unidentified eel

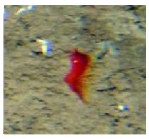
Fish

Species	Image	Comments
F3		Halosaur, possibly *Aldrovandia*
F4		Unidentified alepocephalid
F5		*Synaphobran-chus*

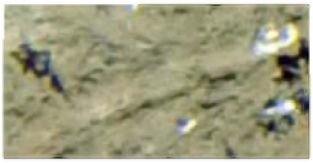
Fish

Species	Image	Comments
F6		*Acanthonus armatus*

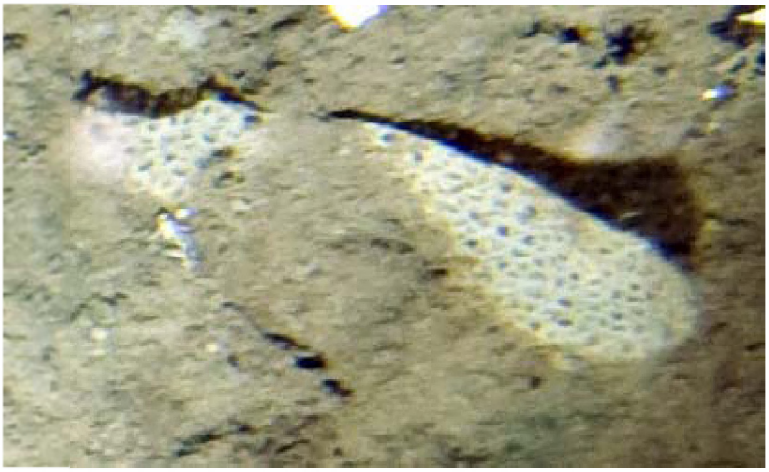
Molluscs

Species	Image	Comments
G1		Unidentified; gastropod with track?
G2		Gastropod with track (siphon showing)
G3		Gastropod (body showing)
G4		Classified in Appendix as "G4", but not a gastropod; small penaeid shrimp, possibly *Plesiopenaeus*

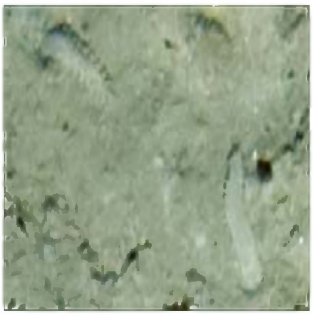
Miscellaneous

Species	Image	Comments
Fo		Colonial Foraminifera
P1		Possibly small chaetognath or eel
G1		Possible gastropod?
P2		Unidentified; possible Sabellid polychaete.
P3		Unidentified; errant polychaete?
Py1		Munnopsid isopod

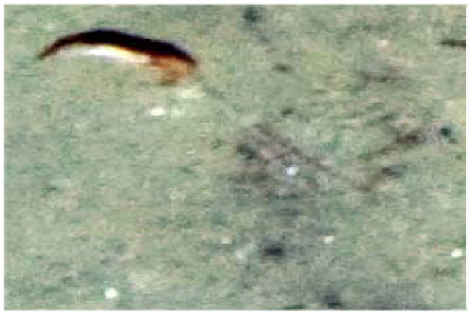
Porifera

Species	Image	Comments
Po1		Glass sponge, unidentified hexactinellid

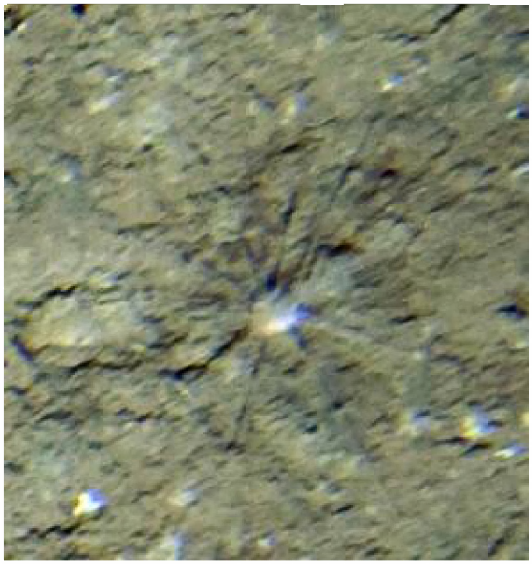
Unknown

Species	Image	Comments
U1		Presence of gut suggests holothurian. Most likely E1.
U2		Transparent, appears to be occupying a burrow. Could be a polychaete, possibly a holothurian
U3		Burrowing invertebrate in mucous lined tube – most likely spionid polychaete

Unknown

Species	Image	Comments
U4		Sargassum.
U5		Unidentified; possibly a sponge?
U6		Unidentified; possibly an amphipod?
U7		Unidentified amphipod
U8		Possible burrowing holothurian or cerianthid anemone
U9		Unidentified, possible shrimp
U10		Unidentified; burrowing polychaete?
U11		Unidentified; possible holothurian.

Unknown

Species	Image	Comments
U12		Unidentified; epifaunal urchin
U13		Unidentified; possible burrowing holothurian??
U14		Unidentified

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Appendix C

Sediment Profile Imaging Log

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Appendix C

Sediment Profile Imaging Log

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
4/7/2011								Depart Houma Boat Yard
4/8/2011								
	RK-MT2	A	5	5:54	668	14	2	
		B	6	6:02	669			
		C	7	6:08	670			PV moved to f8
		Image Download						
	RK-MT3	A	8	17:51	972	13.5	1	
		B	9	17:57	972			
		C	10	18:00	972			
		Image Download						
	FF-MT4	A	11	22:29	1385	13.5	1	
		B	12	22:34	1385			
		C	13	22:37	1386			
		Image Download						
4/9/2011								
	D062S	A	14	4:00	1290	13.5	1	
		B	15	4:02				
		C	16	4:04				
		Image Download						

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	LBNL10	A	17	6:50	1387	13.5	1	
		B	18	6:55				
		C	19	7:00				
		Image Download						
	LBNL9	A	20	9:26	1500	13.5	1	
		B	21	9:31				
		C	22	9:35				
		Image Download						
	HiPro	A	23	11:38	1557	13.5	1	
		B	24	11:44				
		C	25	11:49				
	RK_HiPro	A	26	12:19	1557	13.5	1	
		B	27	12:26				
		C	28	12:34				
		Image Download						
	LBNL7	A	29	15:02	1529	13.5	1	
		B	30	15:08				
		C	31	15:13				
		Image Download						
	180-200	A	32	17:45	1522	13.5	1	
		B	33	17:52				
		C	34	18:00				
	180-300	A	35	18:49	1522	13.5	1	

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		B	36	18:54				
		C	37	19:00				
	180-400	A	38	19:11	1526	13.5	1	
		B	39	19:18	1527			
		C	40	19:23	1529			
	180-500	A	41	19:34	1534	13.5	1	
		B	42	19:43	1538			USBL location was adjacent to previous station, added replicate and allowed for USBL drift back to vessel position
		C	43	19:50	1541			
		D	44	19:56	1542			
	180-700	A	45	20:16	1548	13.5	1	
		B	46	20:25	1548			
		C	47	20:32	1549			
		Image Download						
	180-900	A	48	21:34	1558	13.5	1	
		B	49	21:42	1562			
		C	50	21:47	1563			
	180-1100	A	51	22:19	1568	13.5	1	
		B	52	22:26	1568			
		C	53	22:32	1567			
	180-1300	A	54	22:58	1573	13.5	1	

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		B	55	23:04	1574			
		C	56	23:10	1574			
	180-1500	A	57	23:41	1578	13.5	1	
		B	58	23:59				
		C	59	0:06				
4/10/2011								
	180-1700	A	60	0:52	1581	13.5	1	
		B	61	0:59	1582			
		C	62	1:06	1582			
	180-1900	A	63	1:41	1584	13.5	1	
		B	64	1:47	1584			
		C	65	1:54	1584			
	180-2100	A	66	2:30	1586	13.5	1	
		B	67	2:36	1587			
		C	68	2:43	1587			
		Image Download						
	180-2300	A	69	4:35	1589	13.5	1	
		B	70	4:41	1589			
		C	71	4:47	1589			
	180-2500	A	72	5:21	1590	13.5	1	

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		B	73	5:28	1590			
		C	74	5:35	1591			
	180-2650	A	75	6:01	1592	13.5	1	
		B	76	6:07	1592			
		C	77	6:14	1592			
		Frame count verified (camera retrieved to switch out USBL)						
	180-3100	A	78	8:31	1596	13.5	1	
		B	79	8:38	1597			
		C	80	8:44	1597			
	180-3400	A	81	9:28	1600	13.5	1	
		B	82	9:35	1600			
		C	83	9:41	1600			
	180-3700	A	84	10:27	1603	13.5	1	
		B	85	10:33	1604			
		C	86	10:39	1604			
	180-4000	A	87	11:07	1608	13.5	1	
		B	88	11:14	1608			
		C	89	11:21	1609			
	180-4300	A	90	11:54	1611	13.5	1	

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		B	91	12:00	1610			
		C	92	12:14	1612			
	180-4600	A	93	12:38	1616	13.5	1	
		B	94	12:48	1618			
		C	95	12:54	1616			
	180-4900	A	96	13:24	1621	13.5	1	
		B	97	13:30	1622			
		C	98	13:35	1621			
	180-5200	A	99	14:08	1625	13.5	1	
		B	100	14:13	1625			
		C	101	14:17	1626			
	180-5500	A	102	14:53	1628	13.5	1	
		B	103	14:59	1628			
		C	104	15:05	1628			
		Image Download						
	135-200	A	105	16:59	1522	13.5	1	
		B	106	17:11	1522			
		C	107	17:16	1522			
	135-300	A	108	17:35	1529	13.5	1	
		B	109	17:40	1529			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		C	110	17:45	1530			
	135-400	A	111	17:54	1533	13.5	1	
		B	112	18:02	1535			
		C	113	18:08	1537			
	135-500	A	114	18:18	1541	13.5	1	
		B	115	18:23	1543			
		C	116	18:28	1545			
	135-700	A	117	18:50	1553	13.5	1	
		B	118	18:58	1555			
		C	119	19:04	1556			
	135-900	A	120	19:26	1562	13.5	1	
		B	121	19:32	1563			
		C	122	19:39	1564			
	135-1100	A	123	20:01	1567	13.5	1	
		B	124	20:07	1568			
		C	125	20:12	1568			
	135-1300	A	126	20:33	1570	13.5	1	
		B	127	20:39	1570			
		C	128	20:45	1570			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	135-1500	A	129	21:07	1572	13.5	1	
		B	130	21:13	1573			
		C	131	21:21	1573			
	135-1700	A	132	21:40	1574	13.5	1	
		B	133	21:46	1575			No PV images from 135-1100 to 135 1700 because of dead battery. Frame count verified, PV battery changed.
		C	134	21:51	1575			
		Image Download						
	135-1900	A	135	23:22	1576	13.5	1	
		B	136	23:29	1576			
		C	137	23:37	1576			
4/11/2011								
	135-2100	A	138	0:31	1576	13.5	1	
		B	139	0:38	1577			
		C	140	0:45	1577			
	135-2300	A	141	1:17	1578	13.5	1	
		B	142	1:24	1578			
		C	143	1:30	1579			
	135-2500	A	144	2:01	1575	13.5	1	
		B	145	2:09	1575			
		C	146	2:16	1575			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	135-2800	A	147	3:00	1577	13.5	1	
		B	148	3:07	1576			
		C	149	3:14	1576			
	135-3100	A	150	3:57	1571	13.5	1	
		B	151	4:07	1570			
		C	152	4:14	1570			
	135-3400	A	153	4:51	1553	13.5	1	
		B	154	4:59	1553			
		C	155	5:08	1548			
	135-3700	A	156	5:47	1518	13.5	1	
		B	157	5:54	1522			
		C	158	6:01	1519			
	135-4000	A	159	6:43	1486	13.5	1	
		B	160	6:52	1485			
		C	161	6:59	1484			
	135-4300	A	162	7:43	1473	13.5	1	
		B	163	7:52	1471			
		C	164	8:01	1469			
		Image Download						

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	135-4600	A	165	9:08	1461	13.5	1	
		B	166	9:15	1461			
		C	167	9:22	1462			
	135-4900	A	168	10:12	1470	13.5	1	
		B	169	10:19	1470			
		C	170	10:27	1470			
	135-5200	A	171	11:15	1486	13.5	1	
		B	172	11:21	1486			
		C	173	11:29	1486			
	135-5500	A	174	12:12	1502	13.5	1	
		B	175	12:16	1496			
		C	176	12:22	1487			
	090-200	A	177	14:40	1517	13.5	1	
		B	178	14:45	1517			
		C	179	14:51	1518			
	09-300	A	180	15:01	1520	13.5	1	
		B	181	15:07	1521			
		C	182	15:16	1522			
	090-400	A	183	15:24	1523	13.5	1	

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		B	184	15:30	1523			
		C	185	15:35	1524			
	090-500	A	186	15:43	1525	13.5	1	
		B	187	15:49	1529			
		C	188	15:54	1526			
	090-700	A	189	16:14	1532	13.5	1	
		B	190	16:20	1533			
		C	191	16:24	1533			
	090-900	A	192	16:45	1540	13.5	1	
		B	193	16:51	1541			
		C	194	16:57	1543			
	090-1100	A	195	17:18	1547	13.5	1	
		B	196	17:24	1547			
		C	197	17:30	1548			
	090-1300	A	198	17:49	1549	13.5	1	
		B	199	17:54	1549			
		C	200	18:00	1549			
	090-1500	A	201	18:20	1552	13.5	1	
		B	202	18:25	1552			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		C	203	18:30	1551			
	090-1700	A	204	18:48	1552	13.5	1	
		B	205	18:52	1551			
		C	206	18:57	1552			
	090-1900	A	207	20:13	1551	13.5	1	
		B	208	20:20	1551			
		C	209	20:26	1552			
	090-2100	A	210	20:51	1553	13.5	1	
		B	211	20:57	1553			
		C	212	21:04	1553			
	090-2300	A	213	21:26	1554	13.5	1	
		B	214	21:30	1554			
		C	215	21:35	1553			
	090-2500	A	216	21:59	1553	13.5	1	
		B	217	22:03	1552			
		C	218	22:08	1552			
	090-2800	A	219	22:45	1551	13.5	1	
		B	220	22:50				
		C	221	22:55	1550			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	090-3100	A	222	23:32	1549	13.5	1	
		B	223	23:38	1549			
		C	224	23:43	1549			
4/12/2011								
	090-3400	A	225	0:22	1548	13.5	1	
		B	226	0:29	1548			
		C	227	0:35	1548			
	090-3700	A	228	1:14	1544	13.5	1	
		B	229	1:20	1544			
		C	230	1:26	1544			
	090-4000	A	231	2:11	1541	13.5	1	
		B	232	2:19	1540			
		C	233	2:26	1539			
	090-4300	A	234	3:10	1535	13.5	1	
		B	235	3:18	1535			
		C	236	3:25	1535			
	090-4600	A	237	4:13	1530	13.5	1	
		B	238	4:19	1530			
		C	239	4:27	1530			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
4/13/2011								Arrive at Leeville 0130
								Depart Leeville 1830
4/14/2011								
								PV camera trigger wire changed to 5-ft length; ISO to 500
	MC292/FF005	A	240	5:51	981	13.5	1	
		B	241	5:59	981			
		C	242	6:10	980			
		Image Download						PV adjusted to ISO 400, SPI to ISO 500
	2.21	A	243	8:01	1342	13.5	1	
		B	244	8:07	1343			
		C	245	8:12	1343			
		Image Download						
	NF010	A	246	9:49	1421	13.5	1	
		B	247	9:57	1421			
		C	248	10:04	1421			
	315-3100	A	249	10:44	1420	13.5	1	
		B	250	10:50	1421			
		C	251	10:56	1421			
	315-2800	A	252	11:37	1430	13.5	1	
		B	253	11:41	1430			
		C	254	11:45	1430			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	315-2500	A	255	12:24	1439	13.5	1	
		B	256	12:29	1439			
		C	257	12:35	1440			
	315-2300	A	258	12:56	1445	13.5	1	
		B	259	13:03	1446			
		C	260	13:10	1447			
	315-2100	A	261	13:30	1451	13.5	1	
		B	262	13:37	1452			
		C	263	13:44	1453			
	315-1900	A	264	14:04	1457	13.5	1	
		B	265	14:12	1458			
		C	266	14:18	1458			
	315-1700	A	267	14:39	1462	13.5	1	
		B	268	14:46	1463			
		C	269	14:53	1464			
	315-1500	A	270	15:14	1467	13.5	1	
		B	271	15:20	1468			
		C	272	15:27	1469			
		Image Download						TOTAL images on PV = 406

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	315-1300	A	273	16:41	1472	13.5	1	Total images on SPI = 276
		B	274	16:46	1473			
		C	275	16:53	1474			
	315-1100	A	276	17:14	1477	13.5	1	
		B	277	17:20	1478			
		C	278	17:28	1479			
	D044S	A	279	18:00	1490	13.5	1	
		B	280	18:07	1491			
		C	281	18:12	1492			
	315-900	A	282	18:52	1494	13.5	1	
		B	283	18:58	1494			
		C	284	19:03	1495			
	315-700	A	285	19:26	1499	13.5	1	
		B	286	19:33	1499			
		C	287	19:41	1501			
	D042S	A	288	19:43	1501	13.5	1	
		B	289	19:49	1504			
		C	290	19:54	1501			
	315-500	A	291	20:11	1504	13.5	1	

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		B	292	20:17	1505			
		C	293	20:24	1506			
	315-400	A	294	20:32	1507	13.5	1	
		B	295	20:40	1509			
		C	296	20:47	1508			
	D038SW	A	297	20:51	1508	13.5	1	
		B	298	20:57	1508			
		C	299	21:01	1508			
	315-300	A	300	21:05	1508	13.5	1	
		B	301	21:08	1509			
		C	302	21:14	1510			
	315-200	A	303	21:27	1512	13.5	1	
		B	304	21:33	1512			
		C	305	21:40	1514			
4/15/2011		Image Download						
	225-5500	A	306	16:15	1579	13.5	1	
		B	307	16:31	1576			
		C	308	16:37	1582			
	225-5200	A	309	17:15	1581	13.5	1	

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		B	310	17:22	1581			
		C	311	17:30	1582			
	225-4900	A	312	18:13	1584	13.5	1	
		B	313	18:19	1584			
		C	314	18:26	1583			
	225-4600	A	315	19:03	1585	13.5	1	
		B	316	19:15	1585			
		C	317	19:22	1585			
	A-86	A	318	20:03	1589	13.5	1	
		B	319	20:14	1582			
		C	320	20:22	1582			
	225-4300	A	321	21:19	1587	13.5	1	
		B	322	21:29	1585			
		C	323	21:37	1587			
4/16/2011								
	270-200	A	324	19:57	1521	13.5	1	
		B	325	20:06	1520			
		C	326	20:12	1521			
	270-300	A	327	20:25	1521	13.5	1	

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		B	328	20:31	1521			
		C	329	20:39	1521			
	270-400	A	330	20:47	1521	13.5	1	
		B	331	20:54	1521			
		C	332	21:02	1521			
	270-500	A	333	21:09	1521	13.5	1	
		B	334	21:16	1521			
		C	335	21:23	1521			
	270-700	A	336	21:48	1522	13.5	1	
		B	337	21:56	1522			
		C	338	22:02	1523			
	270-900	A	339	22:25	1524	13.5	1	
		B	340	22:35	1524			
		C	341	22:42	1524			
	270-1100	A	342	23:04	1524	13.5	1	
		B	343	23:12	1523			
		C	344	23:18	1523			
	270-1300	A	345	23:42	1521	13.5	1	
		B	346	23:49	1521			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		C	347	23:56	1520			
4/17/2011								
	270-1500	A	348	0:18	1519	13.5	1	
		B	349	0:24	1518			
		C	350	0:29	1518			
	270-1700	A	351	0:54	1516	13.5	1	
		B	352	1:00	1515			
		C	353	1:05	1515			
	270-1900	A	354	1:32	1512	13.5	1	
		B	355	1:38	1511			
		C	356	1:44	1511			
	270-2100	A	357	2:14	1507	13.5	1	
		B	358	2:21	1507			
		C	359	2:31	1506			
	270-2300	A	360	3:01	1504	13.5	1	
		B	361	3:07	1504			
		C	362	3:14	1502			
	270-2500	A	363	3:44	1500	13.5	1	
		B	364	3:52	1499			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		C	365	3:59	1499			
	270-2800	A	366	4:45	1493	13.5	1	
		B	367	4:54	1494			
		C	368	5:02	1494			
		Image Download						
	NF009 which	A	370	7:14	1490	13.5	1	
	is the same as	B	371	7:22	1490			
	270-3100	C	372	7:30	1492			
	270-3400	A	373	8:16	1492	13.5	1	
		B	374	8:23	1490			
		C	375	8:31	1490			
	270-3700	A	376	9:11	1494	13.5	1	
		B	377	9:19	1495			
		C	378	9:27	1495			
	270-4000	A	379	10:08	1504	13.5	1	
		B	380	10:17	1505			
		C	381	10:27	1506			
	270-4300	A	382	11:09	1507	13.5	1	
		B	383	11:16	1509			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		C	384	11:28	1509			
	270-4600	A	385	12:09	1511	13.5	1	
		B	386	12:22	1511			
		C	387	12:35	1511			
	270-4900	A	388	13:05	1513	13.5	1	
		B	389	13:14	1511			
		C	390	13:22	1510			
	270-5200	A	391	13:56	1513	13.5	1	
		B	392	14:05	1512			
		C	393	14:12	1512			
	270-5500	A	394	14:45	1512	13.5	1	
		B	395	14:55	1511			
		C	397	15:05	1510			Battery on PV drained, missed all PV images from 270-4300 to 270-5500
		Image Download						
	LBNL14	A	398	17:01	1537	13.5	1	
		B	399	17:08	1536			
		C	401	17:16	1536			
		Up on deck -- extra SPI shot						
	225-4000	A	402	18:35	1587	13.5	1	
		B	403	18:43	1587			
		C	404	18:51	1588			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	225-3700	A	405	19:26	1587	13.5	1	
		B	406	19:35	1587			
		C	407	19:43	1587			
	225-3400	A	408	20:17	1587	13.5	1	
		B	409	20:26	1587			
		C	410	20:33	1588			
	225-3100	A	411	21:07	1589	13.5	1	
		B	412	21:14	1588			
		C	413	21:22	1588			
	NF008	A	414	22:11	1583	13.5	1	
		B	415	22:16	1582			
		C	416	22:22	1582			
	225-2800	A	417	23:14	1589	13.5	1	
		B	418	23:21	1589			
		C	419	23:30	1589			
4/18/2011								
	225-2500	A	420	0:03	1586	13.5	1	
		B	421	0:11	1586			
		C	422	0:20	1586			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	225-2300	A	423	0:47	1585	13.5	1	
		B	424	0:54	1586			
		C	425	1:03	1586			
	225-2100	A	426	1:33	1584	13.5	1	
		B	427	1:42	1584			
		C	428	1:51	1584			
	225-1900	A	429	2:18	1583	13.5	1	
		B	430	2:28	1583			
		C	431	2:38	1583			
	225-1700	A	432	3:07	1581	13.5	1	
		B	433	3:20	1581			
		C	434	3:29	1581			
	225-1500	A	435	4:02	1579	13.5	1	
		B	436	4:08	1579			
		C	437	4:13	1579			
	225-1300	A	438	4:42	1575	13.5	1	
		B	439	4:48	1575			
		C	440	4:55	1575			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	LBNL1	A	441	5:47	1561	13.5	1	
		B	442	5:52	1560			
		C	443	5:59	1558			
	225-1100	A	444	6:54	1571	13.5	1	
		B	445	7:00	1571			
		C	446	7:06	1571			
	225-900	A	447	7:33	1565	13.5	1	
		B	448	7:39	1564			
		C	449	7:44	1563			
	225-700	A	450	8:10	1557	13.5	1	
		B	451	8:16	1556			
		C	452	8:22	1556			
	ALTNF001	A	453	8:41	1548	13.5	1	
		B	454	8:47	1546			
		C	455	8:53	1544			
	225-500	A	456	9:07	1542	13.5	1	
		B	457	9:15	1542			
		C	458	9:21	1542			
	225-400	A	459	9:39	1537	13.5	1	

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		B	460	9:45	1536			
		C	461	9:54	1534			
	225-300	A	462	10:10	1532	13.5	1	
		B	463	10:16	1531			
		C	464	10:23	1531			
	225-200	A	465	10:39	1528	13.5	1	
		B	466	10:46	1527			633 PV images on internal camera card; 464 SPI images on internal camera card
		C	467	10:53	1527			
		Image Download						
	000-200	A	468	12:31	1514	13.5	1	
		B	469	12:36	1514			
		C	470	12:42	1514			
	045-200	A	471	13:06	1518	13.5	1	Missed shot because of debris on bottom
		B	471	13:13	1519			
		C	472	13:19	1519			
	045-300	A	473	13:27	1519	13.5	1	
		B	474	13:34	1518			
		C	475	13:41	1517			
	045-400	A	476	13:50	1518	13.5	1	
		B	477	13:57	1516			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		C	478	14:05	1517			
	CH_Well	A	479	15:20	1526	13.5	1	
		B	480	15:36	1526			
		C	481	15:47	1524			
	045-500	A	482	16:29	1519	13.5	1	
		B	483	16:36	1518			
		C	484	16:43	1518			
	RIP_D040S	A	485	16:48	1517	13.5	1	
		B	486	16:55	1516			
		C	487	17:01	1517			
	D040S	A	488	17:23	1516	13.5	1	
		B	489	17:31	1515			
		C	490	17:38	1514			
	045-700	A	491	17:57	1516	13.5	1	
		B	492	18:04	1516			
		C	493	18:11	1516			
	045-900	A	494	18:37	1516	13.5	1	
		B	495	18:44	1516			
		C	496	18:52	1517			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	NF006-MOD	A	497	19:02	1516	13.5	1	
		B	498	19:09	1516			
		C	499	19:17	1516			
	045-1100	A	500	19:25	1516	13.5	1	
		B	501	19:33	1516			
		C	502	19:41	1515			
	045-1300	A	503	20:03	1515	13.5	1	
		B	504	20:09	1514			
		C	505	20:18	1515			
	045-1500	A	506	20:43	1518	13.5	1	
		B	507	20:50	1519			
		C	508	20:59	1520			
	045-1700	A	509	21:23	1524	13.5	1	
		B	510	21:31	1525			Frame count off by one; lost image from 045-200, landed on debris. 683 PV count, 514 SPI count on camera cards.
		C	511	21:40	1526			
		Image Download						
	045-1900	A	512	23:01	1528	13.5	1	
		B	513	23:09	1528			
		C	514	23:21	1528			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	045-2100	A	515	23:48	1530	13.5	1	
		B	516	23:57	1528			
		C	517	0:06	1528			
4/19/2011								
	045-2300	A	518	0:30	1528	13.5	1	
		B	519	0:38	1527			
		C	520	0:46	1527			
	045-2500	A	521	1:10	1525	13.5	1	
		B	522	1:18	1524			
		C	523	1:26	1523			
	045-2800	A	524	2:02	1520	13.5	1	
		B	525	2:11	1520			
		C	526	2:20	1519			
	NF012	A	527	2:53	1521	13.5	1	
		B	528	3:01	1520			
		C	529	3:09	1520			
	045-3100	A	530	3:28	1517	13.5	1	
		B	531	3:36	1516			
		C	532	3:43	1516			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	045-3400	A	533	4:29	1515	13.5	1	
		B	534	4:37	1514			
		C	535	4:44	1513			
	045-3700	A	536	5:19	1511	13.5	1	
		B	537	5:26	1511			
		C	538	5:34	1510			
	045-4000	A	539	6:08	1506	13.5	1	
		B	540	6:17	1505			
		C	541	6:26	1503			
	045-4300	A	542	7:00	1495	13.5	1	
		B	543	7:08	1491			
		C	544	7:16	1487			
	045-4600	A	545	7:51	1455	13.5	1	
		B	546	7:59	1450			
		C	547	8:07	1444			
	045-4900	A	548	8:43	1416	13.5	1	
		B	549	8:50	1414			
		C	550	8:59	1409			
	045-5200	A	551	9:34	1360	13.5	1	

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		B	552	9:40	1354			
		C	553	9:47	1348			
	045-5500	A	554	10:22	1339	13.5	1	
		B	555	10:30	1337			Lost last 6 shots (045-4000 to 045-5500) on PV due to dead strobe battery; will replace every 24 hrs now. Replaced plan view battery and internal camera battery
		C	556	10:36	1335			
		Image Download						
	000-700	A	557	12:27	1500	13.5	1	
		B	558	12:36	1502			
		C	559	12:43	1503			
	000-900	A	560	13:17	1497	13.5	1	
		B	561	13:25	1496			
		C	562	13:34	1495			
	000-1100	A	563	13:59	1493	13.5	1	
		B	564	14:10	1488			
		C	565	14:19	1486			
	000-1300	A	566	14:41	1482	13.5	1	
		B	567	14:50	1480			
		C	568	15:01	1479			
	000-1500	A	569	15:22	1474	13.5	1	
		B	570	15:33	1472			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		C	571	15:43	1470			
	000-1700	A	572	16:07	1468	13.5	1	
		B	573	16:20	1466			
		C	574	16:29	1465			
	000-1900	A	575	16:51	1463	13.5	1	
		B	576	17:02	1461			
		C	577	17:10	1460			
	000-2100	A	578	17:33	1457	13.5	1	
		B	579	17:41	1456			
		C	580	17:53	1454			
	000-2300	A	581	18:18	1451	13.5	1	
		B	582	18:29	1449			
		C	583	18:39	1448			
	000-2500	A	584	19:06	1444	13.5	1	
		B	585	19:16	1442			
		C	586	19:29	1440			
	000-2800	A	587	20:04	1436	13.5	1	
		B	588	20:14	1434			
		C	589	20:24	1434			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	NF011	A	590	20:55	1433	13.5	1	
		B	591	21:06	1432			
		C	592	21:14	1432			
	000-3100	A	593	21:36	1435	13.5	1	
		B	594	21:46	1434			
		C	595	21:55	1434			
	000-3400	A	596	22:33	1434	13.5	1	
		B	597	22:42	1433			
		C	598	22:53	1433			
	000-3700	A	599	23:25	1430	13.5	1	
		B	600	23:35	1430			
		C	601	23:44	1429			
4/20/2011								
	000-4000	A	602	0:16	1427	13.5	1	
		B	603	0:24	1427			
		C	604	0:30	1427			
	000-4300	A	605	1:10	1423	13.5	1	
		B	606	1:17	1421			
		C	607	1:25	1420			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	000-4600	A	608	1:56	1413	13.5	1	
		B	609	2:05	1411			
		C	610	2:12	1410			
	000-4900	A	611	2:43	1415	13.5	1	
		B	612	2:55	1411			
		C	613	3:03	1410			
	000-5200	A	614	3:47	1419	13.5	1	
		B	615	3:55	1423			
		C	616	4:03	1423			
	000-5500	A	617	4:35	1430	13.5	1	
		B	618	4:44	1428			
		C	619	4:52	1428			
		Image Download						
	D050S	A	620	6:26	1432	13.5	1	
		B	621	6:38	1431			
		C	622	6:45	1431			
	315-3400	A	623	8:35	1423	13.5	1	
		B	624	8:43	1422			
		C	625	8:49	1422			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	315-3700	A	626	10:45	1416	13.5	1	
		B	627	10:54	1417			
		C	628	11:03	1416			
	315-4000	A	629	11:45	1410	13.5	1	
		B	630	11:53	1409			
		C	631	12:02	1408			
	315-4300	A	632	12:43	1405	13.5	1	
		B	633	12:50	1406			
		C	634	12:58	1404			
	315-4600	A	635	13:31	1401	13.5	1	
		B	636	13:41	1401			
		C	637	13:49	1399			
	315-4900	A	638	14:25	1397	13.5	1	
		B	639	14:34	1397			
		C	640	14:43	1396			
	315-5200	A	641	15:16	1390	13.5	1	
		B	642	15:27	1388			
		C	643	15:39	1387			
	315-5500	A	644	16:17	1383	13.5	1	

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		B	645	16:27	1374			
		C	646	16:38	1380			
		Image Download						
	CH_GIP24	A	647	18:13	1399	13.5	1	
		B	648	18:23	1408			
		C	649	18:34	1406			
		Brought to surface						
	D031S	A	650	20:03	1576	13.5	1	
		B	651	20:12	1575			
		C	652	20:21	1573			
		Brought to surface						
	ALTNF015	A	653	21:49	1608	13.5	1	
		B	654	22:01	1607			
		C	655	22:11	1606			
		Brought to surface						
	JOYE026	A	656	23:22	1617	13.5	1	
		B	657	23:31	1616			
		C	658	23:40	1617			
4/21/2011		Brought to surface						
	NF014	A	661	0:58	1581	13.5	1	
		B	662	1:06	1581			
		C	663	1:13	1580			
		Image Download						
	CH_GIP18	A	664	2:39	1563	13.5	1	

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
		B	665	2:45	1559			
		C	666	2:50	1560			
	NF013	A	667	3:53	1561	13.5	1	
		B	668	4:02	1561			
		C	669	4:08	1561			
		Brought on board						
	090-4900	A	670	6:17	1534	13.5	1	
		B	671	6:23	1533			
		C	672	6:29	1534			
	090-5200	A	673	7:11	1525	13.5	1	
		B	674	7:19	1523			
		C	675	7:25	1524			
	090-5500	A	676	8:06	1517	13.5	1	
		B	677	8:12	1515			
		C	678	8:18	1514			
		Image Download						
4/22/2011								
	VK916	A	679	17:17	1124	13.5	1	
		B	680	17:23	1124			
		C	681	17:32	1126			

Appendix C Sediment Profile Imaging Log

Date	Station-ID	Replicate	Frame	Time	Depth (m)	Stops	Weights	Notes
	D043S	A	682	19:19	1492	13.5	1	
		B	683	19:30	1492			
		C	684	19:41	1490			

Notes:

* Initial Camera settings:

PV: 4 meter trigger wire; ISO 800, f9, ss 1/30

SPI: ISO 640, f9, ss 1/250

Germano & Associates, Inc
12100 SE 46th Place, Bellevue, WA 98006
www.remots.com