Miami Harbor Phase III
Federal Channel Expansion Project
Permit No. 0305721-001-BI

Quantitative Baseline for Hardbottom Benthic Communities

REVISED MARCH 17, 2014

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EXECUTIVE SUMMARY

The Miami Harbor Deepening Project was designed to widen and deepen the outer entrance channel to increase safe access to the Port of Miami by larger vessels, including post-Panamax vessels. To accommodate these larger vessels, the outer entrance channel is proposed to be widened at the outer reef and deepened to -52 (+1) feet Mean Lower Low Water (MLLW) (-15.6 ± 0.3 m). Avoidance and minimization of impacts to natural resources (hardbottom and seagrasses) was conducted through the NEPA process and a Record of Decision was signed on May 22, 2006. The project was permitted through the Florida Department of Protection (FDEP), under Permit No. 0305721-001-BI. Permit conditions provide a number of protective measures to ensure the preservation of natural resources, such as hardbottom, reef, and seagrass communities, including methods on environmental monitoring required before, during, and after dredging activities.

Baseline surveys established information on the population dynamics, condition and sedimentation environment of the benthic communities adjacent to the Federal Navigation Channel. These baseline results will be used as a point of comparison for the post-construction survey to document changes attributable to dredging while considering other environmental or anthropogenic factors that influence hardbottom resources in the area.

Nearshore hardbottom sites included compliance sites (HBN1-CR, HBN2-CR, HBN3-CP, HBS1-CP, HBS2-CP, HBS3-CP, and HBS4-CR) and reference sites (HBNC1-CP and HBSC1-CP). Three transects were sampled within each site, for a total of 27 transects covering 540 m^2 of nearshore hardbottom habitat. Abiotic characteristics (e.g., substrate type, rugosity, and maximum depth), colony counts of scleractinian (by species) and octocorals (by genus) were collected from all transects, as well as condition of scleractinian corals. Photos of all permanently marked corals and video of each transect were also collected. Parametric and non-parametric statistics were used to analyze the abundance and density of scleractinians and octocorals, as well as condition of corals.

During the baseline survey period a sand transport event was documented and affected northern hardbottom sites. One site, HBN1-CR, which is closest to the jetty, was buried and two other sites were partially buried. High sedimentation rates were documented at these sites in baseline sedimentation data results.

Scleractinian colony abundance ranged from 1 (HBN1-CR baseline Week 4) to 63 (HBN3-CP baseline Week 3) colonies across nearshore hardbottom sites. HBSC1-CP had the highest number of species at a single hardbottom site (11). A small proportion of scleractinian species made up the majority of scleractinian colonies at nearshore hardbottom sites. Across all sites, three species predominated: *Siderastrea siderea, Stephanocoenia intersepta,* and *Solenastrea bournoni*.

The coral *Solenastrea bournoni* is one of the most common corals in the waters Miami-Dade County. Throughout the project area, numerous colonies of *S. bournoni* started to show outward signs of distress during baseline surveys in the late fall of 2013. This included disease-like symptoms with mottled coloration and necrotic tissues. As many as 14% of corals at hardbottom survey sites were documented with this unknown disease during baseline surveys. We are following marked corals and initiating an applied research program to understand the spread and causality of this coral malady and its impacts on the overall health of the ecosystem.

Functional group percent cover was highly variable across monitoring sites in the hardbottom areas. The benthic composition of all hardbottom sites consisted mostly of crustose coralline algae, turf, and/or bare substrate (CTB). The sand category was the second most common functional group at hardbottom sites. Octocorals sponges, and hard corals were low in cover across hardbottom sites.

1.0 INTRODUCTION

1.1 Study Context and Objectives

The Miami Harbor Deepening Project was designed to widen and deepen the outer entrance channel to increase safe access to the Port of Miami by larger vessels, including post-Panamax vessels. To accommodate these larger vessels, the outer entrance channel is proposed to be widened at the outer reef and deepened to 52 (+1) feet Mean Lower Low Water (MLLW) (15.6 ± 0.3 m). Avoidance and minimization of impacts to natural resources (hardbottom and seagrasses) was conducted through the NEPA process and a Record of Decision was signed on May 22, 2006. The project was permitted through the Florida Department of Protection (FDEP), under Permit No. 0305721-001-BI. Permit conditions provide a number of protective measures to ensure the preservation of natural resources, such as hardbottom, reef, and seagrass communities, including methods on environmental monitoring required before, during, and after dredging activities.

Great Lakes Dredge and Dock (GLDD) is responsible for implementing the required environmental monitoring program during the immediate pre-, during, and immediate post-construction time periods associated with the Miami Harbor Phase III project.

Dial Cordy and Associates Inc. (DCA) was contracted by GLDD to conduct baseline and compliance monitoring of hardbottom, reef, and seagrass habitats in the project area. Specifically, DCA was contracted to (1) conduct baseline surveys at hardbottom, middle and outer reef monitoring sites, and their reference sites (2) conduct compliance monitoring at hardbottom, middle and outer reef sites (3) conduct baseline surveys at Fisherman's Channel seagrass sites (4) conduct compliance monitoring at Fisherman's Channel seagrass sites (5) conduct baseline surveys at Julia Tuttle Seagrass Mitigation Site (JTSMS) and (6) conduct compliance monitoring at JTSMS.

This report further characterizes the benthic communities within the channel-side (indirectly-affected) areas of the nearshore hardbottom prior to project commencement. In addition to serving as a baseline characterization of these areas, the study was designed so that pre- and post-construction results may be compared to detect effects of dredging on adjacent benthic resources. A number of parameters including benthic organism density, cover, and condition, as well as quantitative sedimentation rates will be measured to test the null hypothesis (H_o):

> H_o: Benthic communities in the indirect effect (channel side) sites will remain unchanged between the pre and post-dredging surveys.

1.2 Study Area

The study area is located in central Miami–Dade County, within hardbottom and reefs east of the Port of Miami entrance channel (Figure 1). The relict reefs of southeast Florida extend from Miami–Dade to Palm Beach County and were accretional reefs during the early Holocene Epoch, approximately 10,000 years ago (Banks et al. 2007). Today, nearshore hardbottom areas (patch reefs) and parallel ridges or reefs lie offshore in a shore-parallel position, and are dominated by macroalgae, octocorals, sponges, and to a lesser extent hard corals (Moyer et al. 2003, Gilliam 2007). Throughout this report, these reef areas will be referred to as nearshore hardbottom or hardbottom, second or middle reef, and third or outer reef (after Moyer et al. 2003).

Legend

- Miami Harbor Monitoring Station Center (24-oct13)
- Miami Harbor Monitoring Station Location (Oct-2013)
- Existing Channel Limits

Dade County Habitats (Final SEPT09)

Type

- Artificial
- Colonized Pavement
- Linear Reef
- Patch Reef
- Ridge
- Scattered Coral/Rock in Sand
- Spur and Groove
- Sand Borrow Area
- Sand
- Inlet Channel

0 0.125 0.25 0.5 0.75 Miles

HBNC1-CP

HBN1-CR

HBN2-CR

HBN3-CP

HBS1-CP

HBS2-CP

HBS4-CR

HBS3-CP

R2N1-RR

R2N2-LR

R2S2-LR

R2S1-RR

R3N1-LR

R3S1-CP

R3S3-SG

R3S2-LR

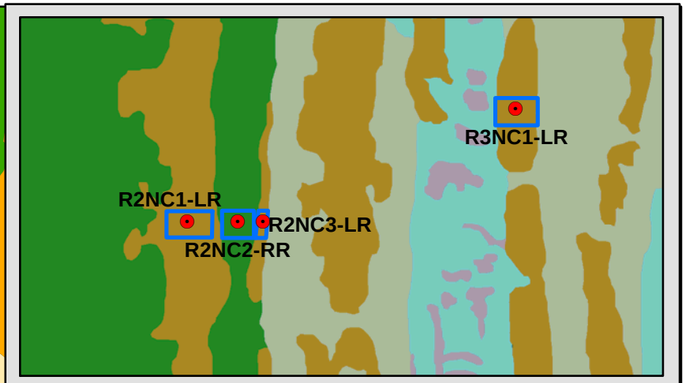
R3SC1-CP

R3SC3-SG

R3SC2-LR

R2SC1-RR

R2SC2-LR



Inset: North control sites located approximately 5 miles north.

Miami Harbor Cuts 1 and 2 Entrance
Channel Hardbottom Monitoring Stations

Scale: 1 inch = 0.25 mile	Drawn By: MR
Date: March 2014	Approved By: MLR
DIAL CORDY AND ASSOCIATES INC Environmental Consultants	J13-1269
	Figure 1

The Holocene reefs in Miami–Dade County run almost continuously in a generally north-to-south direction along the coast to approximately 55th Street, Miami Beach. A break in the reef ridges occurs at approximately 55th street. South of 55th Street, only two reefs lines run parallel to the coast and are commonly referred to as the second (middle) and third (outer) reefs, with patchy nearshore hardbottom areas lying west of the second reef tract (Figure 1).

1.3 Previous Studies

A number of U. S. Army Corps of Engineers (USACE) studies have been conducted to support the project, starting with the Environmental Impact Statement (EIS), which was finalized in 2005. More recently, a Pilot Study was conducted in October 2009 to determine the level of effort required to adequately sample the hardbottom and reef habitats surrounding the Miami channel in order to detect a level of change in functional group cover of 5% (see Dial Cordy and Associates 2010).

Indirect-effect sites and reference sites sampled during the Pilot Study were similar to other reef areas in southeastern Florida that have been characterized by Gilliam (2007), Moyer et al. (2003), and others. In general, these areas are dominated by macroalgae (45–82% cover across sites), with lower cover of other biological groups, including corals (scleractinians and *Millepora*; 0.05–4.62% cover), sponges (0.54–6% cover), and octocorals (1 to 15% cover). The rubble, sand, and pavement group (4–71% cover) was the second most dominant cover type after macroalgae.

1.3.1 Pilot Study Results

The Pilot Study documented that an ANOVA based approach would not provide sufficient statistical power to detect change at the level of 5% across groups (octocorals, macroalgae, corals, and sponges). The sample sizes required to detect a 5% change in macroalgal cover at $P = 0.05$ with a power of 0.80 ranged from 275 to 450 transects per site. Octocoral variances were also high. The sample sizes required to detect a 5% change at $P = 0.05$ with a power of 0.80 for octocorals would start at 2,200 transects per sample site. These results showed that an ANOVA approach is not practical for sampling in this variable and patchy environment. Thus a regression based study design was recommended for quantitatively comparing before and after dredging results.

1.3.2 Quantitative Study Results 2010

Due to the low cover and sporadic occurrence of hard corals and octocorals at the Pilot Study sites, a regression-based approach on the middle and outer reefs, beginning adjacent to the channel, was conducted for the Quantitative Study Plan in 2010. For nearshore hardbottom communities west of the middle reef, a stratified random approach was conducted, based upon octocoral and scleractinian colony density within treatment and control sites identified during the Pilot Study. The report also recommended that all areas be sampled using colony counts rather than estimates of cover, due to the low cover of benthic organisms (see also Smith et al. 2011).

By following this recommended design, post-construction surveys conducted after the dredging operation would allow comparison with the pre-dredging data. Effects of the

dredging operation on the middle and outer reefs, should they occur, would be detectable as a significant difference between the pre- and post-dredging conditions in the relationship between distance from the channel and the magnitude of change. Effects on hardbottom sites would be detectable as significant interaction terms of ANOVA between time (before *versus* after dredging) and treatment (indirect-effect *versus* reference).

1.3.3 Baseline Quantitative Study 2013

The current study design, permitted by FDEP, was developed using a repeated measures design, with three permanent transects established at each of 26 sites. The study requires a pre-dredging survey and a post-dredging survey, which will be compared after dredging to detect project effects. After the post-construction survey, pre and post survey results will be compared using parametric and non-parametric statistics. This document reports the pre-dredging baseline survey results for hardbottom environments.

1.3.4 Corps Survey Results

U.S. Army Corps pre-bid and pre-dredge hydrographic surveys documented differences in sediment accumulation across Cuts 1 and 2 of the federal channel. The nearshore hardbottom habitat, where seven project monitoring survey sites are located, had an 18% increase in sedimentation between August 2010 and October 2013, whereas other locations in Cuts 1 and 2 had a 2-3% increase in sedimentation (personal communication Terri Jordan-Sellers, Feb 13, 2014).

2.0 METHODS

The hardbottom baseline survey establishes information on the population dynamics, condition and sedimentation environment of the benthic communities adjacent to the Port of Miami Phase III project area. These baseline results will be used as a point of comparison for the post-construction survey to document changes attributable to dredging while considering other environmental or anthropogenic factors that influence hardbottom resources in the area. Appendices as required by specification and contract are included as follows: Appendix A (Raw Data), Appendix B (Photograph), Appendix C (Video). The following section describes the materials and methods used to collect baseline data on the benthic organisms and sedimentation rates at hardbottom sites.

2.1 Study Site Selection and Description

In order to evaluate potential construction and sediment impacts associated with the Port of Miami Phase III dredging project, nine hardbottom monitoring sites were established west of the middle reef, on the north (3 compliance sites) and south side (4 compliance sites) of the channel, (1 reference site) 2.35 km north of the channel, and (1 reference site) 1.65 south of the channel. These sites include seven colonized pavement (CP) sites and two coral/rubble (CR) habitat sites. (Figure 1).

Site selection was conducted on a desktop computer, using ArcView GIS. FDEP permit site polygons were imported into ArcView GIS. A smaller polygon, fitting with the FDEP polygon,

was generated in ArcView GIS. The ArcView GIS random point generator was used to establish a center point for the monitoring site within that smaller polygon.

In the field, HYPACK Navigational™ software was used to locate and mark the center point defined in ArcView GIS. Scientific divers qualitatively assessed the potential site for the appropriated habitat, including hard corals, and octocorals. The buoy location was adjusted by divers to optimize the amount of reef and/or hardbottom habitat. Thus transect placement was not random, instead transects were intentionally placed in areas devoid of sand where possible. This was done in order to maximize sampling hardbottom or reef habitat, as this was the goal of the monitoring program outlined by the FDEP permit. Transects were established approximately 5 m apart from each other.

In the case of the permitted HBS4-CR, only sand was documented in that location, so HBS4-CR was relocated to the west of HBS3-CP, where hardbottom habitat existed.

2.1.1 Control sites

Two control sites were established in the colonized pavement (CP) habitat type within a similar depth range, and are located a considerable distance from the project area for comparison purposes to account for larger scale non-dredging (natural) conditions which may affect hardbottom resources. Similar methods have been used in previous studies to characterize hardbottom communities off Broward and Palm Beach counties (Walker et al. 2008). HBNC1-CP is located 2.35 km north of the harbor entrance (Government Cut), and is characterized by relatively high density of octocorals and scleractinians. Both control sites are classified as colonized pavement habitat (Walker 2009). HBSC1-CP is 1.65 km south of Government Cut and characterized by a benthic assemblage dominated by *Montastraea cavernosa* colonies and numerous large sea plumes (~2m).

2.1.2 Channel-side sites

Seven channel-side or compliance sites are located approximately 10 m from the edge of the existing channel edge. The three northern channel-side sites were placed in numerical order from west to east with HBN1-CR being the site closest to the jetties and HBN3-CR located closest to the middle reef. HBN1-CR and HBN2-CR represent the coral rock/rubble (CR) habitat type, while HBN3-CP was considered to represent colonized pavement (CP) (Walker 2009). The four southern channel-side sites were not placed in numerical order from west to east. HBS1-CP is the site closest to the jetties, followed by HBS2-CP, HBS4-CR and HBS3-CR located closest to the middle reef. HBS4-CR was originally planned for coral rock (CR) habitat, east of HBS3-CP.

During site installation reconnaissance, scientific divers documented no hardbottom habitat at six separate locations associated with FDEP proposed site location for HBS4-CR. In order to search for hardbottom at this proposed location, divers used a 30 m transect tape radius, with one diver holding the fully extended transect tape, and the second diver swimming to the edge of visibility (~5-10 m) from the first diver. Divers then swam around each location in a circular search pattern, looking in both directions for hardbottom or signs of hardbottom. DCA estimates divers covered roughly a 100 m diameter area around the proposed station locations. Divers took photos at each location documenting mostly sand, as well as some attached algae and gorgonians. The buried gorgonians suggest this area may experience seasonal burial and exposure during certain times of year, however, at this time the area was

completely buried in sand. Therefore, HBS4-CR was established in colonized pavement habitat, west of HBS3-CP, where hardbottom existed.

2.2 Site Layout and Installation

Monitoring site installation was completed in September and October 2013 (Figure 1). At each monitoring site, three permanent 20 m transects were established, parallel to each other in a north (0 m) to south (20m) direction. Transect number increases from east to west (1-3) at each site. Stainless steel eyebolts (3/8-in. by 8-in.) were drilled into the bottom at 0, 10, and 20 m locations along each transect. Small closed-cell foam floats coated with anti-fouling paint were attached to each eyebolt with a short length of nylon braided line to aid in transect relocation. Two floats mark the beginning of each transect, while mid and end points are marked with a single float (Figure 2). This provides the diver with an orientation while laying out transect tapes during each monitoring dive. Sediment blocks were positioned at the center of the site, between Transect 1 and 2. Adjustments to exact transect placement in the field were conducted based on avoiding sand areas, maximizing hardbottom, and maximizing the number of hard corals on a single transect. HYPACK Navigational™ software was used to record the geographic location of the site center point, and start and end points of all transects at all sites.

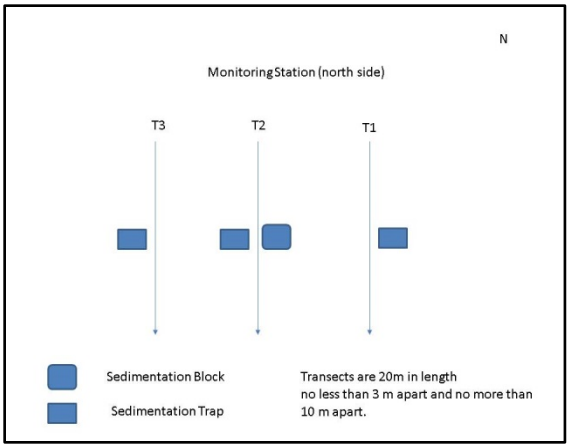


Figure 2 Hardbottom monitoring site lavout.

2.2.1 Sedimentation Traps

Three sediment traps (Figure 2) were placed at each of the hardbottom monitoring sites (including control sites) to allow the comparison of net sediment trap accumulation among monitoring stations and between construction monitoring sites and reference monitoring sites. The sediment traps are constructed of 1 in. interior diameter x 8 in. interior length polyvinyl chloride (PVC) pipe and a 500-ml Nalgene collection jar, or similar, making modifications to best sample sedimentation within the environment, based on hydrodynamics, currents and particle size (Storlazzi et al. 2011) (Figure 3). Both trap necks and jars are coated with anti-fouling paint to minimize epibiotic growth. The PVC traps with the attached jar lids are fastened to the steel sediment trap frame with hose clamps. The frames are drilled and cemented into the substrate at all hardbottom sites, and are installed to collect sediment from the water column approximately 18 inches off the bottom. Sediment traps are removed

Figure 3 Sediment traps installed at all offshore sites for environmental monitoring of hardbottom and reef resources in Cuts 1 and 2.

at 28-day intervals by unscrewing the Nalgene trap jars from the PVC collars and capping the jars *in situ*. New jars are installed when collections are made and a new 28 day sediment monitoring period begins. Following completion of the monitoring program, all sediment traps, frames, and blocks will be removed.

2.2.2 Sedimentation Blocks

A net sediment accumulation block was placed at each site at the 10 m mark on Transect 2 (Figure 4). This block serves as the center point of the monitoring site for underwater navigational purposes. The sediment accumulation block consists of an 8 in. x 8 in. x 8 in. concrete block attached to the bottom with hydraulic cement. The block has one side coated with antifouling paint, which is oriented as the upper surface. The antifouling paint minimizes the bioaccumulation on the upper surface of the block which could interfere with sediment accumulation. Blocks were attached to exposed rock surfaces devoid of benthic fauna and no closer than 30 cm to any coral colony to assure no impact to living marine resources from the antifouling paint.

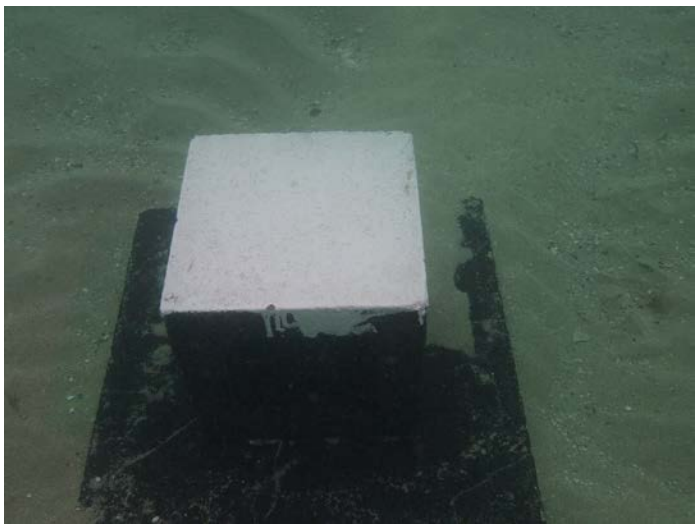


Figure 4 Sediment block used to monitor sediment accumulation at hardbottom and reef resources at hardbottom sites.

2.3 Data Collection

Baseline surveys of the hardbottom sites were conducted over four weeks between October 13 and November 18, 2013. Each site was surveyed approximately each week, during the four weeks of baseline study (Table 1). Adverse weather conditions affected the ability to conduct scientific diving on 17 of 35 days during the baseline monitoring period. Surveys were conducted in order to ensure four distinct sampling periods were completed for each site. Baseline sediment trap samples (28 days) were collected at all hardbottom sites on November 12 or 18, 2013.

Small craft advisories were issued during baseline period between October 24-31, November 3-6, November 9-10, and November 14-16. Safe scientific diving operations were not feasible at these times. Safe diving conditions are described in EM-385 (EM-385 is the safety regulation document that guides all USACE scientific diving operations) as current speed of <1 knot and visibility >3 feet; additionally best professional judgment of wind and wave conditions is used to determine whether or not scientific dive operations may be conducted safely.

A sampling week was defined as a 7 day period in which each site was planned to be sampled. Due to unsafe diving conditions, sites may have been sampled two days apart or

more than seven days apart. Each site was sampled four separate times over a four week period as required by FDEP permit.

Table 1 Baseline surveys were conducted at hardbottom sites between October 13 and November 18, 2013.

	Baseline Survey Dates			
Site	Week 1	Week 2	Week 3	Week 4
HBN1-CR	10/20/2013	10/22/2013	11/1/2013	11/7/2013
HBN2-CR	10/20/2013	10/22/2013	11/1/2013	11/7/2013
HBN3-CP	10/20/2013	10/22/2013	11/1/2013	11/7/2013
HBNC1-CP	10/13/2013	10/21/2013	11/1/2013	11/12/2013
HBS1-CP	10/18/2013	10/21/2013	11/1/2013	11/7/2013
HBS2-CP	10/18/2013	10/22/2013	11/2/2013	11/7/2013
HBS3-CP	10/19/2013	10/22/2013	11/1/2013	11/12/2013
HBS4-CR	10/19/2013	10/22/2013	11/1/2013	11/8/2013
HBSC1-CP	10/17/2013	10/21/2013	11/1/2013	11/7/2013

2.3.1 Quality Assurance and Quality Control

All scientific divers are trained and qualified to conduct benthic surveys in hardbottom and coral reef environments, per the FDEP permit specifications. During Week 1 of baseline surveys, all scientific divers responsible for collecting *in situ* data participated in quality assurance and quality control training and exercises, with periodic follow-up to maintain QA/QC standards over the life of the project. A buddy pair collected scleractinian species data independently along the same transect and surfaced to compare results. Another buddy pair collected octocoral genera data along the same transect and surfaced to compare results. The octocoral team members had 100% agreement in differentiating octocoral genera. The coral species team had 85% agreement. Questions arose between the identification *Siderastrea siderea* and *S. radians* (3 cm and smaller) and between *Solenastrea bournoni* and *Stephanocoenia intersepta* (5 cm and smaller). The Humann (2002) reef identification guide was referenced and discussions between team members were conducted to assure that future monitoring and data collection was collected with a common understanding of the benthos being monitored. Subsequent data collection resulted in a 95% agreement between the coral collection team observations. Previous studies have documented difficulty in differentiating corals smaller than 4 cm (Edmunds et al. 1998). As a result of inter-observer variability, data on corals smaller than 3 cm were not collected in this study.

2.3.2 Abiotic Characteristics

Abiotic data were collected to describe the general conditions of each monitoring site. Documentation was collected on the presence of hardbottom, rock, rubble, sand, sedimentation, bare substrate, maximum water depth and rugosity. Rugosity data were collected along each transect, and calculated as (1–*d*/*l*), where *d* is the geometric distance of each transect measured using a weighted line and *l* = the length of each transect (after Aronson et al. 1994).

2.3.3 *In Situ* Data

In situ data were collected along three 20 m x 1 m belt transects at each hardbottom monitoring site, each week for four weeks during the baseline survey period (October 13-November 18, 2013). Scientific divers placed transect tapes, marked in metric and standard along the pre-established transects, securing the tape at the beginning, mid, and end points. All permanently marked corals were mapped along each transect, their distance along each transect and position to the right (R) or left (L) of the transect line was recorded to assure repeatability in subsequent monitoring events. Baseline *in situ* survey data were collected using underwater data sheets and clipboards. *In situ* baseline data were collected on the abundance (counts) and condition for all scleractinian species (colonies greater than 3 cm) and octocoral genera occurring within the 20m x 1m belt transect during Week 1 of baseline surveys. In Weeks 2-4, transects were visually assessed for changes, but no counting of individual octocorals was conducted in Weeks 2-4. Scleractinian data, including counts and condition data, were collected for all four weeks at all sites. Qualitative sedimentation observations were also collected during *in situ* surveys for all four weeks.

2.3.4 Coral Condition

Scleractinian corals are sensitive to environmental changes and therefore coral condition is used as an indicator of reef “health” (Vargas-Angel et al. 2007). Coral condition is one of the metrics required by the FDEP permit which may trigger a corrective action should channel-side sites be significantly different than their comparable reference sites. Coral health assessment parameters include any condition that may be expected to adversely effect coral “health”. Coral conditions included bleaching, excess mucus production, polyp extension, disease, and sediment accumulation (Bruckner 2001) (Table 2) Examples of corals with conditions captured during baseline surveys are provided in (Figure 5a and 5b). Each permanently marked coral colony was assessed for each of the health parameters and assigned a condition of either "0" or "1" for each parameter. A score of "0" indicated no observed bleaching, excess mucus production, polyp extension, disease, or other adverse condition, while a "1" would be assigned if one or more condition was present. Conditions were not additive if a coral exhibited more than one condition, for example, mucus and polyps extended, the coral still received a score of “1”.

2.3.5 Photo and Video

Scientific divers collected still photographs of permanently marked corals from a horizontal perspective, so that the largest side of an entire colony was present within a single photo frame along with the permanent marker and scale bar in each of four weeks of baseline monitoring. Due to the variation in coral size across transects and sites, a framer was not used. Additional photographs were collected at the center of the site, adjacent to the sediment block, facing four directions at approximately 1.5 m above the bottom from an oblique angle so that the water column and general site characteristics were captured in the photographs.

Table 2 Bleaching, disease and stress categories for *in situ* data collection which were observed during baseline surveys (adapted from FRRP (Florida Reef Resilience Program) and DC&A 2012).

Condition Description	Field Code	Survey Zone Hardbottom
Bleaching		
Pale	P	X
Partially bleached	PB	X
Bleached	B	X
Disease		
Black band	BB	X
White Plague	WP	X
Yellow Band	YB	
Red Band	RB	
White Band (*Acropora* only)	WB	
White pox/patches (*Acropora* only)	WS	
Unknown disease (*Solenastrea* only)	UD	X
Unknown band	UB	X
Stress indicator		
Polyps extended	PE	X
Fish bites	FB	X
Excess mucus	M	X
Cliona delitrix	CD	X
Unknown partial mortality	UPM	X
Physical disturbance	PD	X
Sedimentation indicators		
Sediment	SED	X
Sediment accumulation	SA	X
Partial burial	PBUR	X
Burial	BUR	X

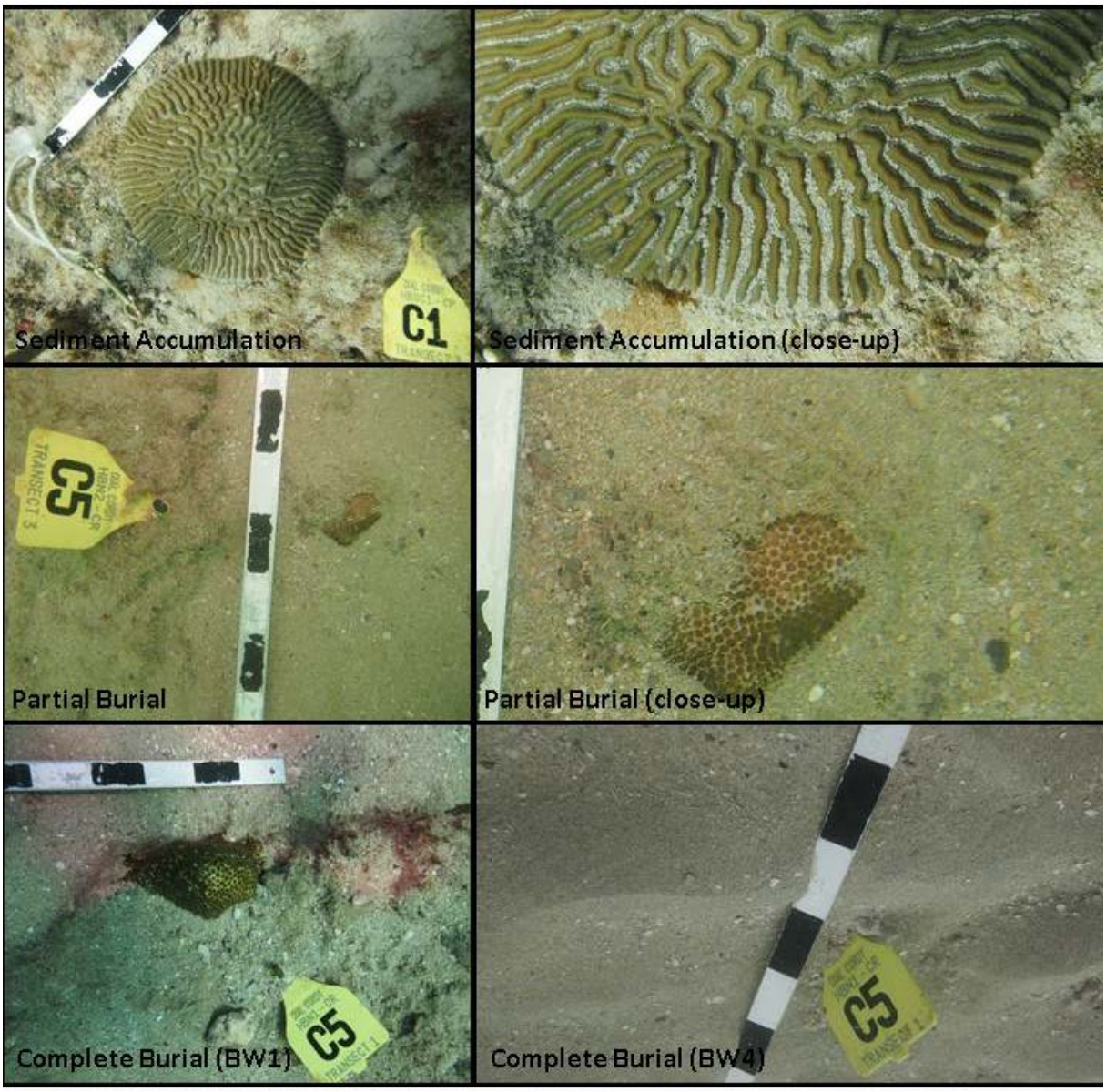


Figure 5 a Photographs of coral conditions collected during baseline surveys. BW1 = baseline week 1; BW4 = baseline week 4.

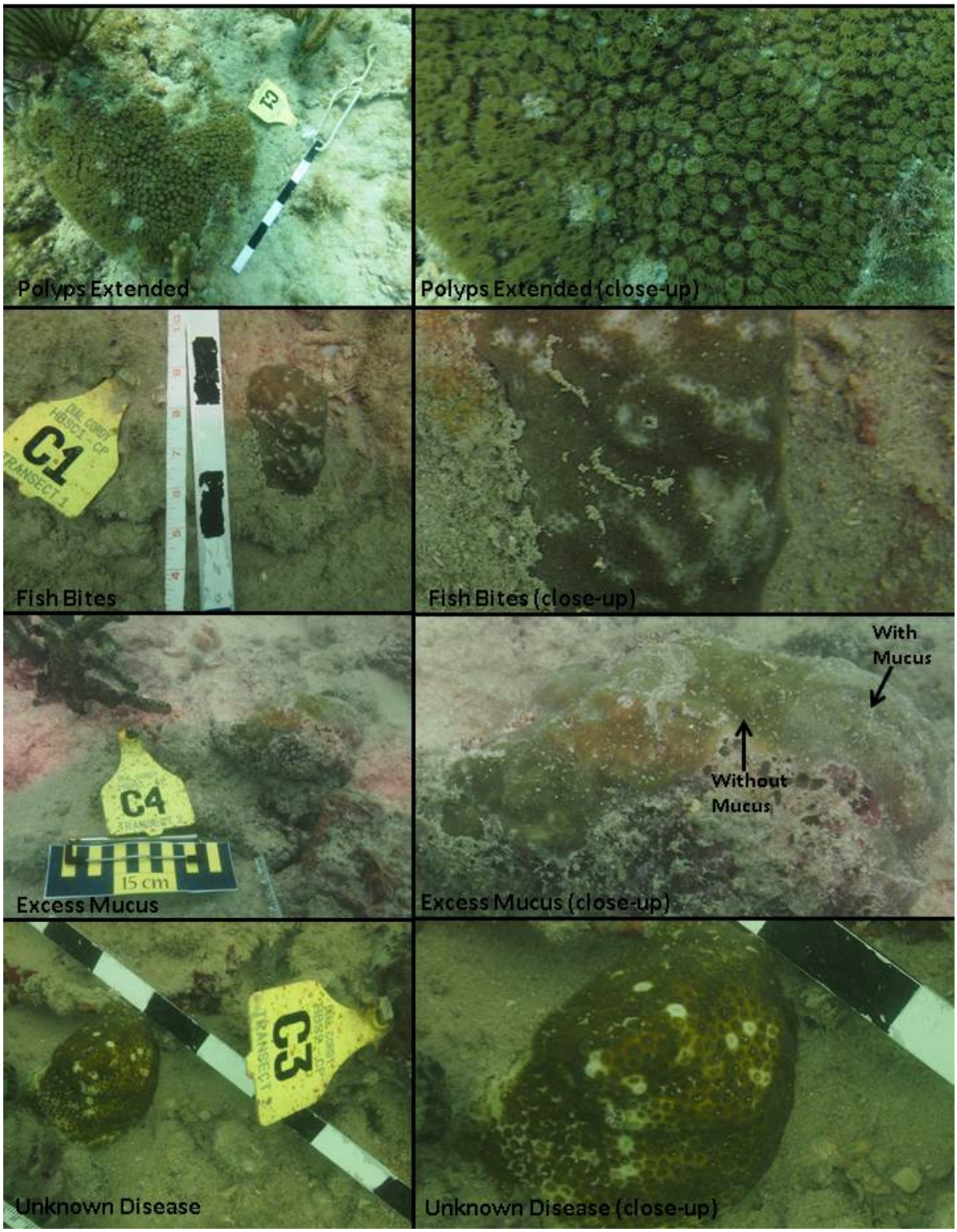


Figure 5 b Photographs of coral conditions collected during baseline surveys.

Quantitative digital video data was collected along each transect with the camera positioned 40 cm above the substrate in a vertical orientation to produce birds-eye view digital video of each transect (20 m x 0.4 m), in each of four weeks of baseline surveys (Aronson et al. 1994). The video camera was equipped with a measuring device to ensure the camera remains at 40 cm above the bottom and a scale bar is visible at the bottom of the video record at all times (Figure 6). The diver swam the camera along each transect at a speed of ~5 m per minute to insure quality still images could be extracted for point count analysis using Coral Point Count with extensions (CPCe®) (Kohler and Gill 2006). This method will be used to evaluate both the coral health and potential sedimentation stress during construction as well as functional group cover at both the construction monitoring station and the reference monitoring station.

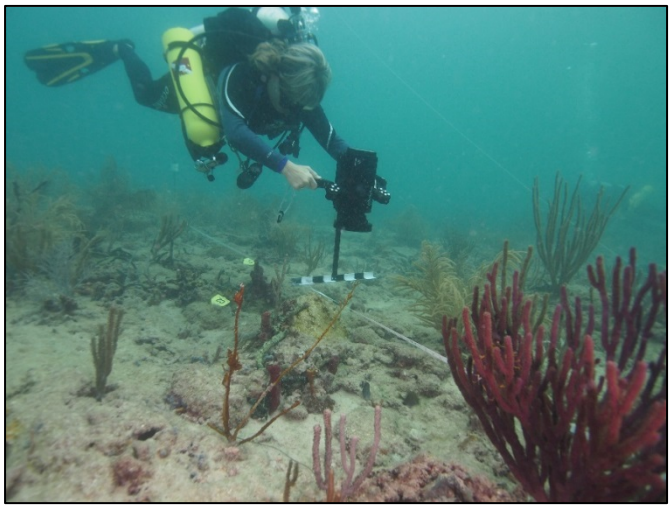


Figure 6 Scientific diver collecting video data of transects during baseline surveys. Photo taken October 24, 2013

2.3.6 Sedimentation

Sedimentation baseline data were collected to understand the sediment dynamics at the monitoring sites before the start of dredging. Sediment trap sample collection was completed for all hardbottom sites during the Week 4 baseline surveys after 26 to 31 days of sample collection (Table 3 Sediment sample collection dates by site). The variation in the number of days of sample collection is due to weather and the ability of scientific divers to safely conduct diving operations. A sediment trap at each transect held three replicate 500mL Nalgene bottles. If one or more bottles were lost or tipped over during the survey period, this was an unusual situation which may have resulted from weather, waves or human interaction. In this case, the sample would have been discarded and a note made in the sample record to alert the sediment sample analysis team. Replicates were combined for analysis so a single estimate per transect was calculated. Sediment samples were collected to determine daily sedimentation rates, and to evaluate the fraction of sediment withheld by a # 230 sieve and the fraction of sediment that passed through the # 230 sieve (fine grain). Baseline sedimentation block data were collected in the 4th week of baseline surveys. Blocks were visually assessed at five points on the block, in each of four corners, and in the center of the block. Still photos of each block were also collected.

Table 3 Baseline sediment sample collection dates by site.

Site	Baseline sediment sample collection dates
HBN1-CR	10/20/2013
HBN2-CR	10/20/2013
HBN3-CP	10/20/2013
HBNC1-CP	10/14/2013
HBS1-CP	10/18/2013
HBS2-CP	10/18/2013
HBS3-CP	10/19/2013
HBS4-CR	10/19/2013
HBSC1-CP	10/17/2013

2.4 Data Analysis

2.4.1 *In Situ* Data

After *in situ* data collection, scientific divers reviewed their results and discussed issues with the on-site scientific data manager. Underwater data sheets were washed, dried and quality controlled by the Project Manager, after which baseline data were entered into an Excel based spreadsheet program.

Parametric and non-parametric statistical methods were used to describe the scleractinian and octocoral abundance, density, diversity (H'), and evenness (J'). Condition values were calculated from raw data and are presented in the results section of this report.

2.4.2 Coral Condition Data

Coral condition data were analyzed for permanently marked and photographed corals only. In order to accurately and precisely analyze the coral condition data in baseline and beyond, photographs were used to confirm the presence or absence of a condition.

2.4.3 Statistical Error

In statistical testing, false positives (false alarms) correspond to Type I statistical errors and false negatives (defective alarms) correspond to Type II errors (e.g., Gonick and Smith 1993). Until recently, ecologists have been obsessed with avoiding Type I error: falsely concluding that there is an effect when in fact there is none. Concern over Type I error has generally led to ultraconservative testing, which has come at the cost of equally problematic Type II error: falsely concluding that there is no effect when in fact there is one (Aronson and Precht 2006). Therefore, being able to decipher signal from noise is critical in being able to test for Type I and Type II errors. Thus, it is imperative that changes in coral condition through time and space be evaluated with respect to the reference corals and that significant changes ($p<0.05$) be noted in a timely and responsive manner.

2.4.4 Video Analysis of Functional Groups

Video Analysis QA/QC

Video analysts conducted quality control exercises prior to evaluating transect documentation. A training dataset of 30 hardbottom images, with 10 random points/image was compiled by two expert analysts for: macroalgae (MACA); crustose coralline algae, turf, and bare (CTB); sediment/sand, pavement, and rubble (SPR); zoanthids (Z); hard coral (C); octocoral/gorgonians (G); and sponges (SPO). All video analysts independently performed a functional group analysis of the training dataset. Image-scoring from each analyst was compared on a per-image basis to the expert results. If an analyst diverged from the expert assessment by more than one point per benthic category, the images were reviewed with the analyst; the difference was discussed and corrected.

Video from Week 4 was analyzed for the baseline report. Video transect footage was segmented (frame grab) into non-overlapping still images using GOM Player™ software. For a 20 m transect approximately 60 individual still images were generated. Each image was analyzed by using Coral Point Count with extensions™ (CPCe), overlaying 10 randomly generated points (Somerfield et al. 2008). The organism or feature underneath each random point on the image was characterized by functional group. Functional groups are as follows: macroalgae (rhodophyta, phaeophyta, chlorophyta, and cyanobacteria); crustose coralline algae, turf, and bare (CTB); sediment/sand, pavement, and rubble (SPR), zoanthids (Z), hard coral (C), Octocoral/Gorgonian (G), and sponge (SPO). Coralline algae, turf, and bare substrate are difficult to differentiate using video techniques and therefore are grouped together for analysis (Aronson et al. 1994).

2.4.5 Sedimentation Analysis

As described above, all three transects within a monitoring site had an associated sediment trap installation that contained three collection bottles. A total of nine bottles collected sediment accumulation data at each monitoring site. For analysis, three replicates (bottles) from the sediment traps were combined to produce an aggregate sample per transect. These three samples were then averaged to create a site mean sedimentation rate. Sedimentation rates were calculated by dividing the sample dry weight value by the number of days the sediment collection bottles were in the water, with the first day being the day after the bottles were installed. Transect values were averaged to calculate a site mean.

The mass of the specimen in each bottle was measured. The sediment samples were washed from the collection bottles through a U.S. Standard No. 230 sieve until water flowed freely through the fraction retained on the sieve. All wash water and sediment passing the No. 230 sieve was collected. Organisms that may have grown or crawled (i.e., fish, crabs, worms, algae) into the sediment collection bottle, if visibly retained on the sieve, were removed during the wash process and noted. None were observed for the baseline samples. Sand retained on the No. 230 sieve was washed into a labeled tare. Some of the water was aspirated off the sand fraction and the tare was placed in a forced-draft oven at 66°C (150°F) until dry and for a minimum of 24 hours. Containers with the fraction passing the No. 230 sieve were allowed to settle for a minimum of 48 hours. After settling, the water was aspirated off the settled sample and the fine fraction was consolidated using additional wash water into the appropriate size labeled and weighed container and allowed to settle another 48 hours. The conductivity of the water was measured after the second settling phase. The water was aspirated off and the fraction of sample finer than the No. 230 sieve was placed in the oven until dry and for at least

24 hours. The samples were removed from the oven and placed in the desiccator until cooled. The masses of the fractions retained and passing the No. 230 sieve were determined and recorded to the nearest 0.01 gram. All the data was entered into an Excel spreadsheet.

2.4.6 Sedimentation Measurement QA/QC

Sedimentation measurements on the blocks were not possible to collect since no sediment accumulated during the baseline period. All personnel were trained to assess the sediment block at four outside corners and in the center of the block using a mm ruler.

3.0 RESULTS/DISCUSSION

3.1 Quantitative Benthic Sampling

Nearshore hardbottom sites included treatment sites (HBN1-CR, HBN2-CR, HBN3-CP, HBS1-CP, HBS2-CP, HBS3-CP, and HBS4-CR) and control sites (HBNC1-CP and HBSC1-CP). Three transects were sampled within each site, for a total of 27 transects covering 540 m^2 of nearshore hardbottom habitat. Abiotic characteristics (e.g., substrate type, rugosity, and maximum depth), colony counts of scleractinian (by species) and octocorals (by genus) were collected from all transects, as well as condition of scleractinian corals. Photos of all permanently marked corals and video of each transect were also collected. Parametric and non-parametric statistics were used to analyze the abundance and density of scleractinians and octocorals, as well as condition of corals. Raw data are presented in table form in Appendix A.

3.1.1 Natural Sand Transport Event - Northern Channel-side Sites

A natural sand transport event was documented on the north side of the channel, close to the north jetty during the baseline survey period. A sand wave moved from north to south following the general movement of the regional longshore drift in the vicinity of these sites. At HBN1-CR all marked corals documented in Weeks 1 and 2 were buried by Week 4 of baseline, as documented in photos and video collected at the site on November 7, 2013 (Figure 7). Photos from HBN2-CR and HBN3-CP show turbid water and sedimentation during baseline surveys. Although no corals were buried at these sites, it was apparent that natural sand transport influences the sediment dynamics of these nearshore hardbottom communities.

Figure 7 HBN1-CR in Week 1 of baseline and in Week 4 of baseline after burial event.

3.1.2 Abiotic Characteristics

All sampling was conducted in areas of hardbottom habitat in 6 to 9 m (21 to 27 feet) of water. Hard substrate was typically interspersed with sand pockets (Table 4). Nearshore hardbottom sites were topographically low in rugosity, ranging from 0.00 to 0.06. Rubble was present at four sites (i.e., HBN1-CR, HBN1-CP, HBS2-CP, and HBS3-CP). Field notes also documented a veneer (estimated at < 1_ mm) of fine sediment at all nearshore hardbottom sites and lower visibilities and water quality were also documented for HBS2-CP, HBS3-CP and HBS4-CR. Photographs representative of the biological benthic communities at each site are presented in Appendix A and B.

Table 4 Abiotic characteristics for hardbottom survey sites.

Abiotic Characteristics	Site								
	HBN1-CR	HBN2-CR	HBN3-CP	HBNC1-CP	HBS1-CP	HBS2-CP	HBS3-CP	HBS4-CR	HBSC1-CP
Hardbottom	•	•	•	•	•	•	•	•	•
Bare Substrate	•	•	•	•	•	•	•	•	•
Rubble	•		•			•	•		•
Sand	•	•	•	•	•	•	•	•	•
Sedimentation	•	•	•	•	•	•	•	•	•
Rugosity	N/A	0.00	0.02	N/A	0.06	0.02	N/A	0.00	0.04
Max Depth (m)	26	24	25	27	24	26	28	27	24

3.1.3 Scleractinian Occurrence

Fifteen scleractinian coral species were documented across the nearshore hardbottom sites. Eight sites (i.e., HBN3-CP, HBNC1-CP, HBS1-CP, HBS2-CP, HBS3-CP, HBS4-CR, and HBSC1-CP) included between eight and 11 species. At HBN2-CR, only six species were found, and HBN1-CR displayed the lowest number of scleractinian species throughout baseline (3), which was reduced to a single scleractinian colony (i.e., *Solenastrea bournoni*) by Week 4 (Table 5).

Table 5 Scleractinian species present at each nearshore hardbottom site for all baseline weeks.

Scleractinian Species	Site								
	HBN1-CR	HBN2-CR	HBN3-CP	HBNC1-CP	HBS1-CP	HBS2-CP	HBS3-CP	HBS4-CR	HBSC1-CP
Colpophyllia natans							•		•
Dichocoenia stokesii		•	•	•	•	•	•	•	•
Diploria clivosa			•		•				•
Diploria strigosa					•				•
Favia fragum			•						
Meandrina meandrites						•	•	•	
Montastraea cavernosa			•		•		•		•
Oculina diffusa		•	•	•	•	•	•	•	
Orbicella faveolata					•				
Porites astreoides		•	•	•	•	•	•	•	•
Porites porites			•	•				•	•
Siderastrea radians	•		•	•	•	•		•	•
Siderastrea siderea	•	•	•	•	•	•	•	•	•
Solenastrea bournoni	•	•	•	•	•	•	•	•	•
Stephanocoenia intersepta		•	•	•	•	•	•	•	•

3.1.4 Scleractinian Abundance

Scleractinian colony abundance ranged from 1 (HBN1-CR baseline Week 4) to 63 (HBN3-CP baseline Week 3) colonies across nearshore hardbottom sites. HBSC1-CP had the highest number of species at a single hardbottom site (11) (Table 6). A small proportion of scleractinian species made up the majority of scleractinian colonies at nearshore hardbottom sites. Across all sites, three species predominated: *Siderastrea siderea, Stephanocoenia intersepta* and *Solenastrea bournoni*. Two other species, *Porites astreoides* and *Dichocoenia stokesii*, contributed to the five most abundant species at one or more sites. The five most abundant scleractinians at nearshore hardbottom sites constituted 94% of colonies documented at northern channel-side sites (i.e., HBN1-CR, HBN2-CR, and HBN1-CP), and 95% of colonies at the northern control site. The five most abundant scleractinians made up 76% of those documented at the southern channel-side sites (i.e., HBS1-CP, HBS2-CP, HBS3-CP, and HBS4-CR) and 66% of colonies documented at the southern control site (i.e., HBSC1-CP). *S. siderea* and *D. stokesii* were the dominant scleractinian coral at all nearshore hardbottom sites with cumulative abundances of 22% and 21% across all hardbottom sites. The high relative abundance (coral species/total coral colonies) at HBN1-CR is due to the fact that a single colony of *S. bournoni* in Week 4 was found at the site (Figures 8 and 9).

Table 6 Number of scleractinian colonies and species richness across all four weeks of baseline surveys at nearshore hardbottom sites.

Site	Number of Colonies		Number of species	*N*
	Mean	SE		
HBN1-CR	32.5	10.9	4	4
HBN2-CR	24.3	5.3	6	4
HBN3-CP	53.5	3.8	9	4
HBNC1-CP	47.5	4.8	9	4
HBS1-CP	24.5	0.5	6	4
HBS2-CP	32.0	2.2	7	4
HBS3-CP	51.8	1.8	8	4
HBS4-CR	44.3	1.0	7	4
HBSC1-CP	51.5	2.3	11	4

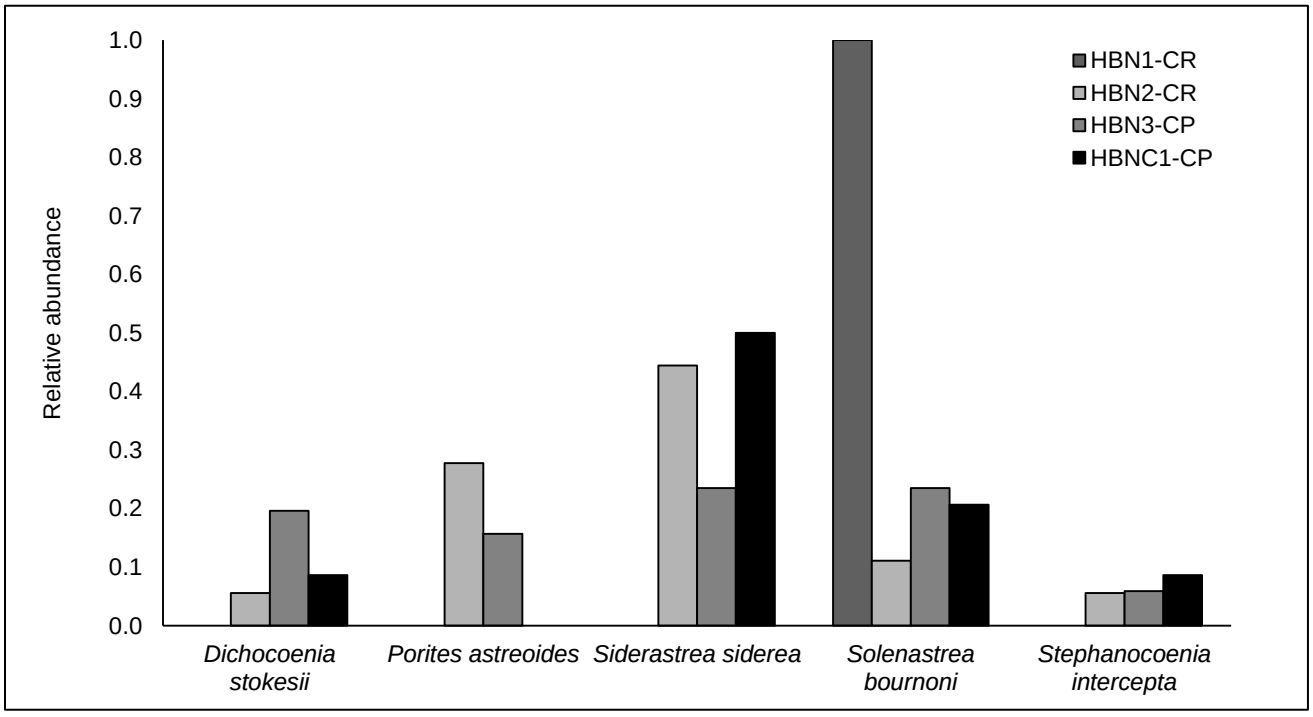


Figure 8 Relative abundance of the five most abundant scleractinian corals at the northern nearshore hardbottom sites in Week 4 of baseline surveys.

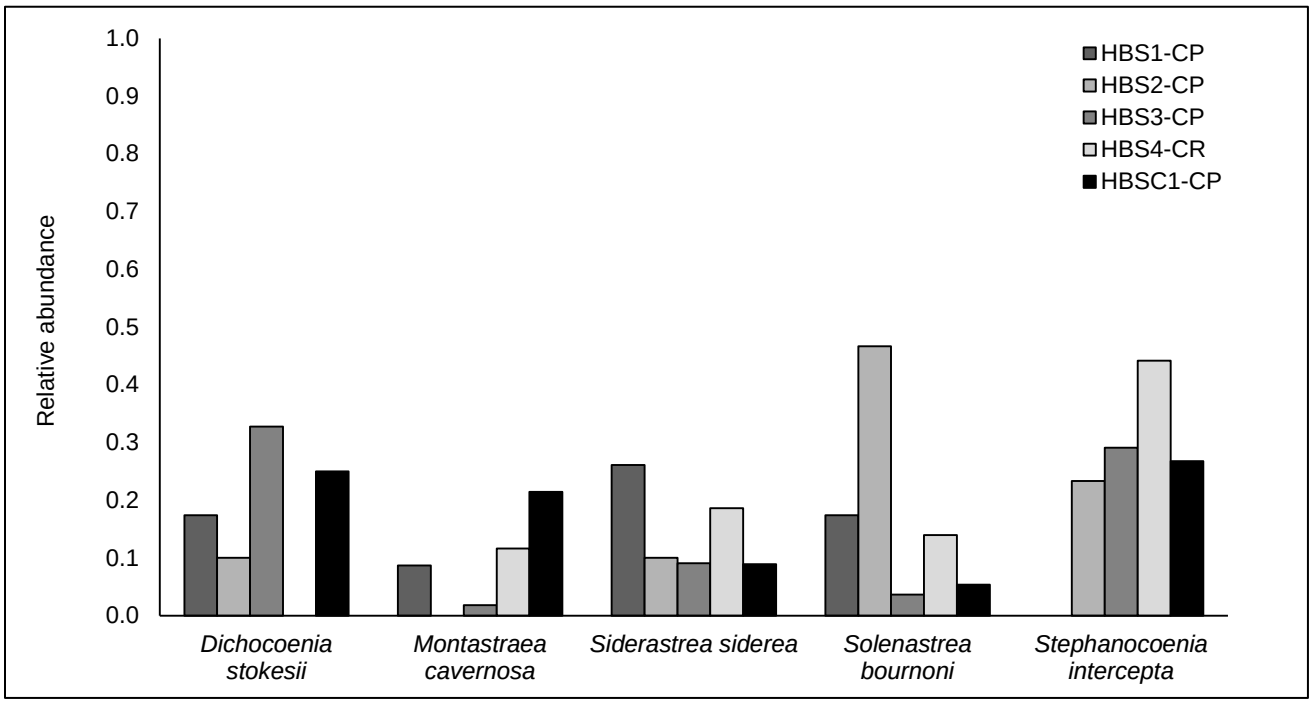


Figure 9 Relative abundance of the five most abundant scleractinian corals at the southern nearshore hardbottom sites in Week 4 of baseline surveys.

3.1.5 Scleractinian Density

Mean scleractinian density ranged from 0.4 to 0.89 colonies per square meter across all hardbottom sites in four weeks of baseline surveys. Mean scleractinian density was lowest at HBN2-CR (0.40 colonies/m^2) and highest at HBN3-CP (0.89 colonies/m^2) (Figure 10).

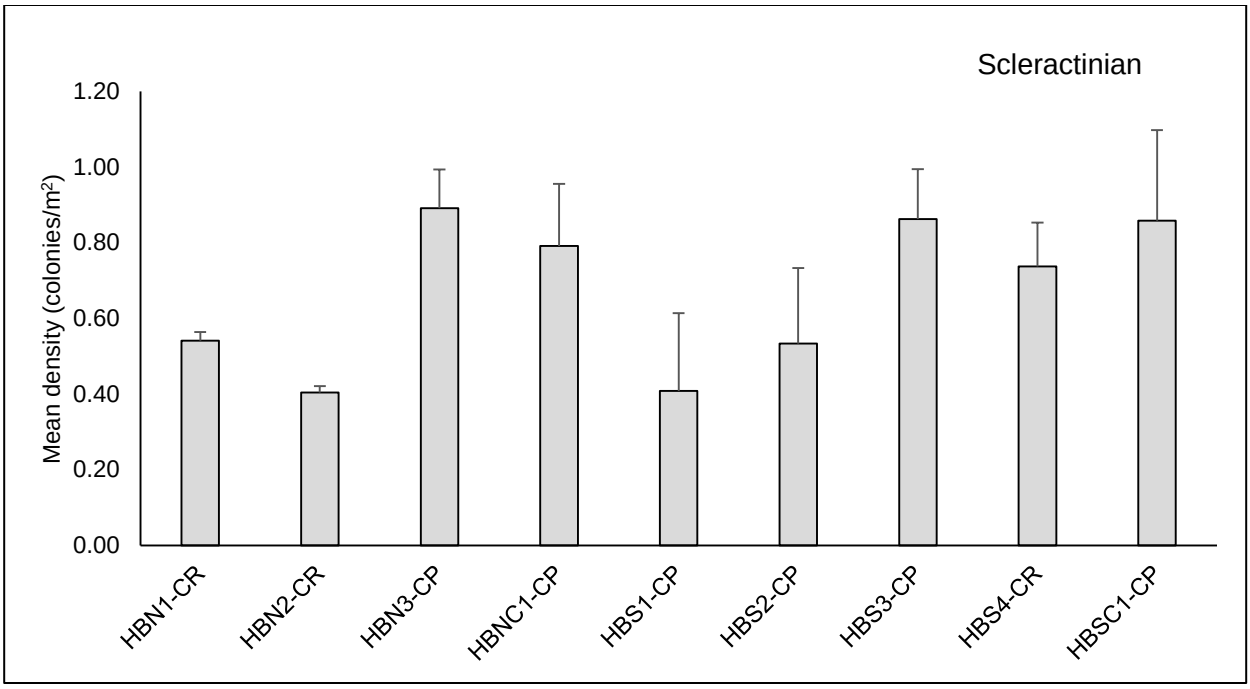


Figure 10 Mean density of scleractinian colonies at nearshore hardbottom sites across all four weeks of baseline surveys. Error bars represent the standard error for each site.

A one-way ANOVA was used to determine if mean coral density was different over the nine sites of the hardbottom survey area. Mean site density, expressed as the mean number of coral colonies per square meter over the four weeks of baseline assessment, were normally distributed (Anderson–Darling tests, $P > 0.05$ in all cases) and the variances were heterogeneous (Levene's test, $P = .258$). Significant effects of site were detected ($P = .001$; Table 7). Tukey HSD post-hoc analysis revealed that there was a significant increase in coral density from HBN2 (mean density 0.40) and HBS1 (mean density 0.41) to HBN3 (mean density 0.89), HBS3 (mean density 0.86), and HBSC1 (mean density 0.86). These sites represent the lowest and highest coral density sites respectively. Although the previous site groupings are the only significant differences among the nine survey sites, there is a general trend of lower coral densities (mean density ≤ 0.53 corals/m^2) near the channel jetty (sites HBN1, HBN2, HBS1 and HBS2) than further away (mean density ≥0.74 at HBN3, HBNC1, HBS3, HBS4, and HBSC1). Increased tidal currents and land-based influences may limit coral density at the near-jetty sites.

Table 7 ANOVA results testing the difference in scleractinian density over the nine hardbottom sites.

Source of variation	df	MS	*F*	*P*-value
Between Sites	8	0.111	5.962	0.001
Within Sites	18	0.019		
Error	260			

3.1.6 Scleractinian Diversity and Evenness

The Shannon–Wiener diversity Index (H') was used to calculate species diversity. Diversity (H') values ranged from 0.69 to 2.02 across sites. The HBN1-CR diversity value (0.69) was low when compared to the rest of the hardbottom sites. Evenness (J') ranged from 0.13 to 0.44 across nearshore hardbottom sites and was also lowest at HBN1-CR (Table 8).

Table 8 Shannon–Wiener Diversity Index (H') and Evenness (J') calculated for scleractinian species at nearshore hardbottom sites.

	Site								
Index	HBN1-CR	HBN2-CR	HBN3-CP	HBNC1-CP	HBS1-CP	HBS2-CP	HBS3-CP	HBS4-CR	HBSC1-CP
Diversity (H')	0.69	1.21	1.91	1.74	2.02	1.60	1.66	1.59	1.94
Evenness (J')	0.13	0.26	0.31	0.31	0.44	0.33	0.29	0.31	0.36

3.1.7 Scleractinian Condition

Colony-condition data were collected along all transects at the hardbottom sites. Condition categories included criteria defined in the FDEP permit as well as other conditions including bleaching, fish bite-marks, mucus production, disease extended polyps, and sediment accumulation (Table 2 - Methods). Two diseases were reported in the hardbottom areas – white plague disease and an unidentified disease. The white plague disease only occurred in one colony of *Dichocoenia stokesii* at HBS3-CR. The unknown disease only occurred in *Solenastrea bournoni* and was widespread. An average of 37.0% of scleractinians surveyed, exhibited one or more conditions.

3.1.8 Spatial Analysis of Coral Condition

Coral condition, as measured by the proportion of stressed corals present in each hardbottom transect, was affected by sampling location (Figures 11 and 12). Hardbottom sites located to the north of the navigation channel had a higher median proportion of stressed corals than those located south of the channel (Mann-Whitney U Test test of Week 1 condition scores, P= 0.016). Notably, all five of the top stress indicators, sediment stress, polyp extension, excess mucus, unknown disease, and fish bites, occurred more frequently at sites located to the north of Government Cut (Figures 11 and 12 and Table 9).

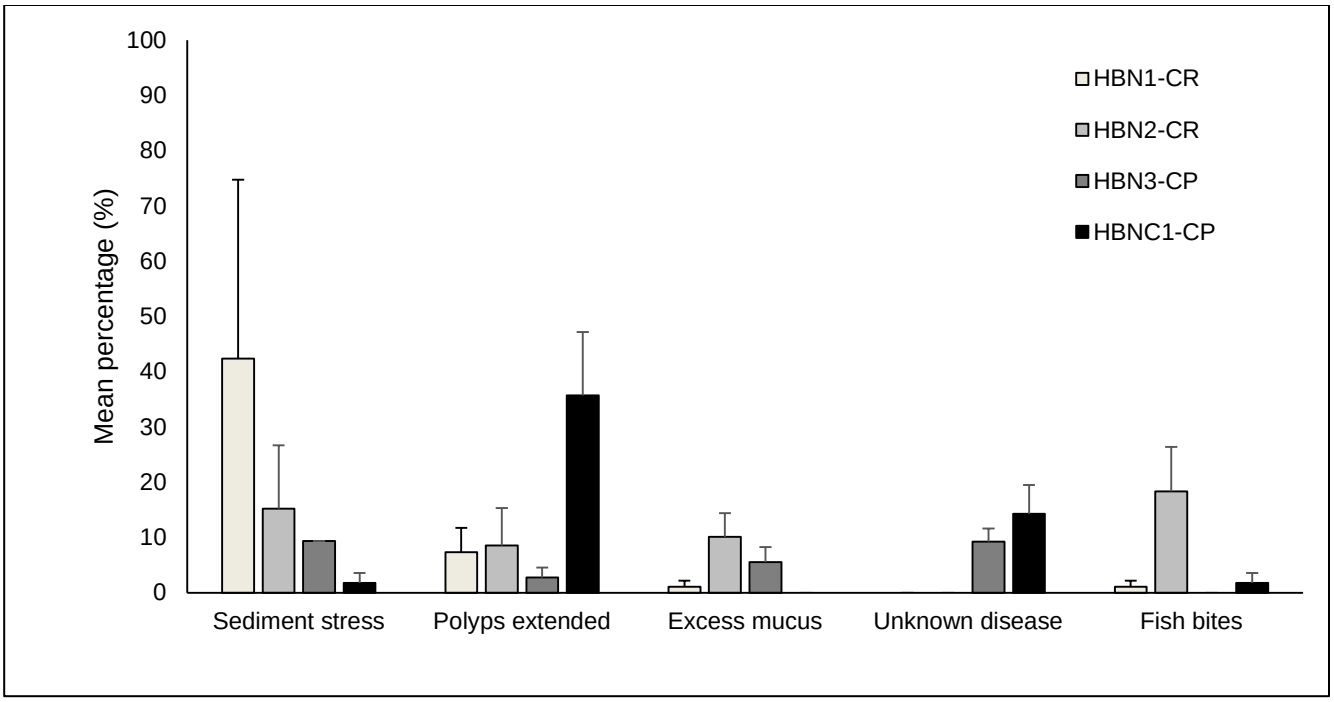


Figure 11 Mean percentage of the five most predominant scleractinian stress indicators across all four weeks of baseline surveys in the northern hardbottom sites. Error bars represent the standard error for each site mean.

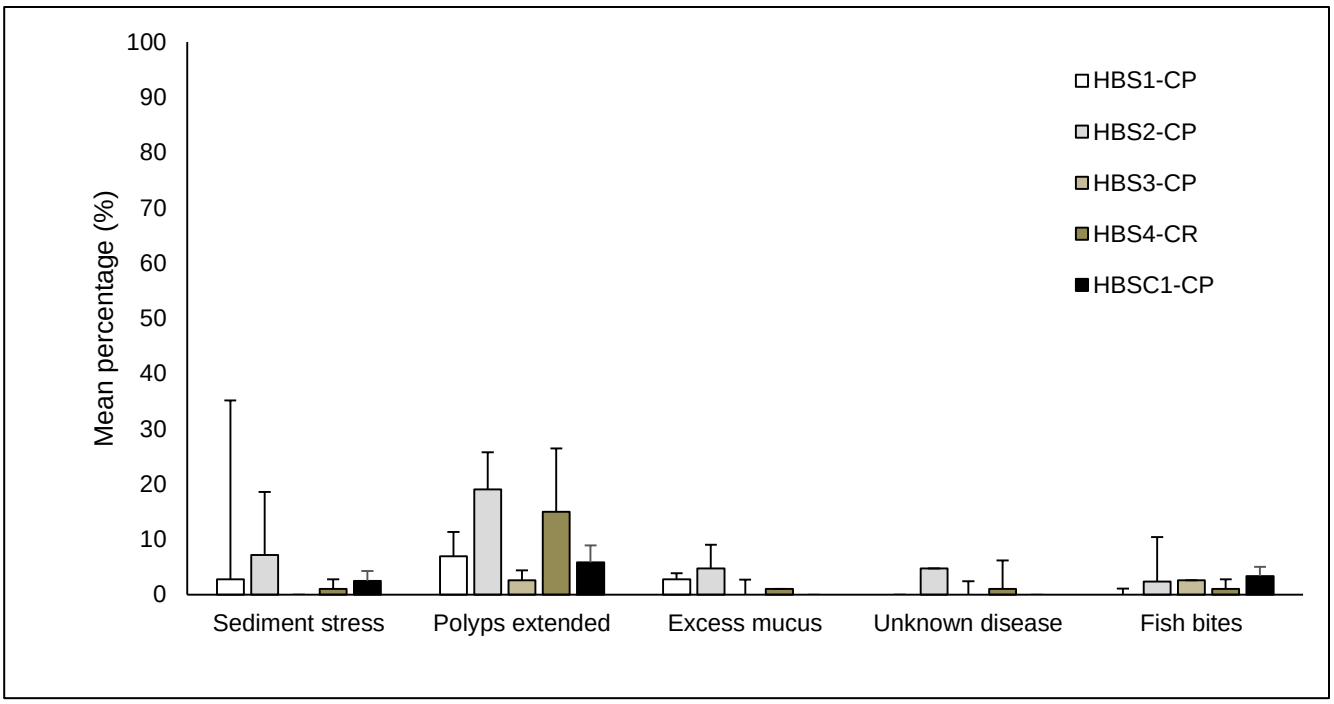


Figure 12 Mean percentage of the five most predominant scleractinian stress indicators across all four weeks of baseline surveys in the southern hardbottom sites. Error bars represent the standard error for each site mean.

3.1.9 Temporal Analysis of Coral Condition

In addition to spatial patterns, temporal trends in condition metrics over the four weeks of baseline sampling were also tested. The mean proportion of stressed corals at each site is presented for all four weeks of baseline sampling in Table 9. The mean proportion of stressed corals ranged from 0.1 (HBS3-CP Week 1) to 1.0 (HBN1-CR Week 4). Coral condition, as expressed as the proportion of stressed corals in each hardbottom transect, changed significantly over the four weeks of baseline assessment (Friedman's Test, $\chi^2(3) = 10.69$, $p = .013$). Post-hoc pairwise tests indicated that proportion of stressed corals at hardbottom sites in Week 1 surveys were significantly less than in Week 4, and that the proportion of stressed corals at hardbottom sites in Week 2 was significantly less than in Week 3 and Week 4 (Table 10).

Table 9 Mean (and standard deviation) of colony condition score over four weeks of baseline data collection at all hardbottom sites.

	Week 1		Week 2		Week 3		Week 4		Baseline	
Site	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
HBN1-CR	0.35	0.49	0.43	0.51	0.52	0.51	1.00	0.00	0.58	0.29
HBN2-CR	0.53	0.52	0.60	0.51	0.67	0.49	0.43	0.51	0.56	0.10
HBN3-CP	0.41	0.50	0.22	0.42	0.52	0.51	0.52	0.51	0.42	0.14
HBNC1-CP	0.57	0.51	0.43	0.51	0.43	0.51	0.64	0.50	0.52	0.11
HBS1-CP	0.33	0.49	0.33	0.49	0.28	0.46	0.33	0.49	0.32	0.03
HBS2-CP	0.33	0.48	0.29	0.46	0.48	0.51	0.48	0.51	0.39	0.10
HBS3-CP	0.10	0.31	0.17	0.38	0.28	0.45	0.24	0.44	0.20	0.08
HBS4-CR	0.24	0.44	0.20	0.41	0.32	0.48	0.32	0.48	0.27	0.06
HBSC1-CP	0.20	0.41	0.33	0.48	0.43	0.50	0.33	0.48	0.33	0.10

Table 10 Pairwise comparisons of coral condition over the four weeks of baseline sampling. Weeks are compared for all sites, and again without HBN1-CR data. Significant results are presented in bold.

Survey Weeks	All sites		w/out HBN1	
	Test Stat	Sig.	Test Stat	Sig.
Week 1 - Week 2	0.06	0.874	0.15	0.696
Week 1 - Week 3	-0.69	0.051	-0.67	0.074
Week 1 - Week 4	-0.70	**0.045**	-0.48	0.199
Week 2 - Week 3	-0.74	**0.035**	-0.81	**0.029**
Week 2 - Week 4	-0.76	**0.031**	-0.62	0.094
Week 3 - Week 4	-0.02	0.958	0.19	0.615

3.1.10 Impact of Sand Wave on Coral Condition

An examination of boxplots indicated that HBN1-CR Week 4 was a significant outlier in the coral condition data. Due to the movement of a sand wave over the site between Weeks 3 and 4 at HBN1-CR, all tagged corals were buried, resulting in abnormally high stress scores at this site. Since the sand wave was an isolated event, a second analysis of weekly coral condition was performed omitting all HBN1-CR data. Significant differences in weekly coral condition were still detected without the confounding factor of the sand wave (Friedman's Test, $\chi^2(3) = 8.319$, $p = .040$); however, only Week 2 and Week 3 were significantly different from one another (Figure 13, Table 10). The significant increase in the proportion of stressed corals from Weeks 2 to 3 is most likely a storm effect. Winter storm conditions including high winds and significant wave action were present over the study area between Weeks 2 and 3 and continued between Weeks 3 and 4.

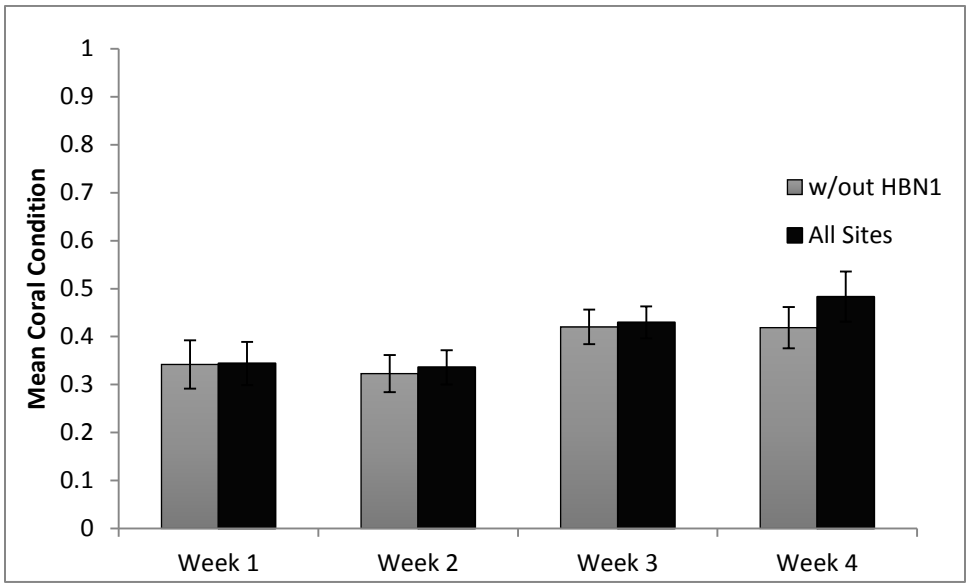


Figure 13 Mean coral condition over all 4 weeks of baseline sampling. Data are shown both with and without HBN1-CR. Error bars represent the standard error of the mean.

3.1.11 Temporal Analysis of Individual Condition Metrics

Sediment accumulation, polyp extension, unknown disease, excess mucus and fish bites were the top five coral stress indicators over the four weeks of baseline assessment. The relative proportion of corals exhibiting each of these stress indicators in a given week is shown in Figure 14.

Temporal changes in the top five condition metrics were tested over the four weeks of the baseline study. As with the analysis of total coral condition, HBN1-CR data was omitted from the analysis of individual condition metrics. Of the top five indicators, only sediment accumulation, polyp extension, unknown disease, and excess mucus had a large enough

sample size to perform weekly significance testing. Of these four metrics, only sediment accumulation changed significantly over the baseline study (Friedman's Test, $\chi^2(3) = 16.629$, $p = .001$) (Table 11). Post-hoc pairwise tests indicated that the proportion of corals affected by sediment accumulation in Week 4 was significantly higher than in both week 1 ($P = 0.12$), and week 2 ($P = .006$). The significant increase in sediment accumulation scores following the second week of baseline sampling demonstrates that this metric is sensitive enough to respond to the winter storm events of Week 3 and Week 4. Other metrics, such as polyp extension, showed no significant change over the baseline sampling period, and are thus poor indicators of winter storm events.

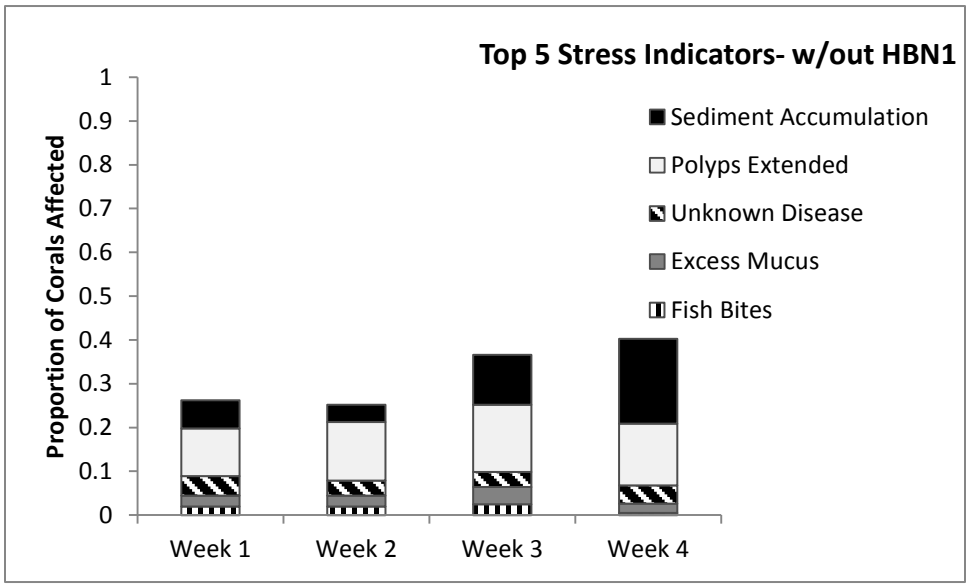


Figure 14 The weekly proportion of corals exhibiting the top five stress indicators over the four weeks of baseline assessment.

Table 11 Results of Friedman's two-way ANOVA by Ranks for related samples of coral stress metrics over the four weeks of baseline assessment. Significant results are shown in bold.

Coral Stress Metric	Test Stat	Total N	df	P-value
Sediment Accumulation	16.62	8	3	**0.001**
Poly Extension	2.87	8	3	0.411
Unknown Disease	0.87	4	2	0.832
Excess Mucus	2.68	6	2	0.443

3.1.12 Unidentified Coral Disease

The coral *Solenastrea bournoni* is one of the most common corals in the waters Miami-Dade County. It has long been thought to be one of the most eurytopic of the Atlantic reef building corals, being able to sustain great variations in temperature, light, and salinity. Throughout the project area, numerous colonies of *S. bournoni* started to show outward signs of distress in the late fall of 2013. This included disease-like symptoms with mottled coloration and necrotic tissues (see Figures 15 *S. bournoni*). Corals in the control areas as well as corals within the project corridor appear to be equally affected. As much as 14% of corals at our hardbottom survey sites were affected by this unknown disease during the baseline survey (Figure 11). We are currently following tagged colonies to see what the overall effect of this disease has on the long-term survivorship of the individual corals. We are also initiating an applied research program to understand the spread and causality of this coral malady and its impacts on the overall health of the ecosystem.

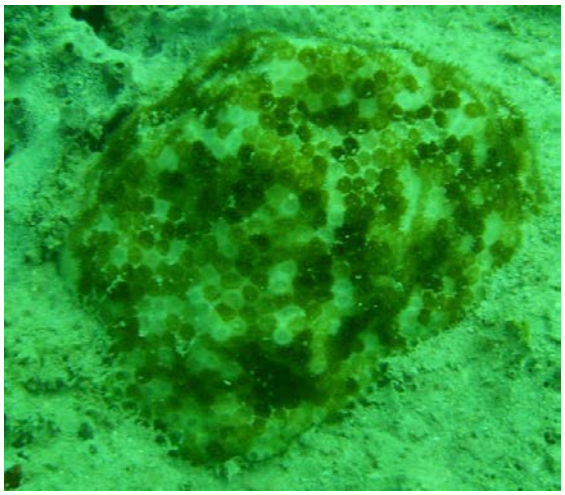


Figure 15 *Solenastrea bournoni* exhibiting unknown disease condition.

3.1.13 Octocoral Occurrence

Nearshore hardbottom sites included six to ten octocoral genera. HBNC1-CP and HBSC1-CP had the highest number of genera (nine and 10 genera respectively), whereas HBN1-CR and HBN2-CR had the fewest (zero and four genera, respectively) (Table 12).

3.1.14 Octocoral Abundance and Density

Patterns of generic relative abundance varied across sites, except that *Eunicea* was the predominant octocoral genus across all hardbottom sites. HBNC1-CP had the greatest number of colonies (1352) and genera (9), and no octocorals were found at HBN1-CR during baseline (Figures 16, 17 and Appendix A).

Octocoral density ranged from 0.0 to 22.5 colonies/m^2 across all nearshore hardbottom sites. Of the sites where octocorals did occur, mean octocoral density was lowest for HBN2-CR (0.22 colonies/m^2) and highest at HBNC1-CP (22.5 colonies/m^2) (Table 13 and Figure 18 and Appendix A).

Table 12 Octocoral genera present at each hardbottom site in Week 1 of baseline surveys.

Octocoral Genera	Site								
	HBN1-CR	HBN2-CR	HBN1-CP	HBNC1-CP	HBS1-CP	HBS2-CP	HBS3-CP	HBS4-CR	HBSC1-CP
Briareum		•		•					•
Erythropodium				•					
Eunicea		•	•	•	•	•	•	•	•
Gorgonia			•		•		•	•	•
Muricea		•	•	•	•	•	•	•	•
Muriceopsis									•
Plexaura			•	•	•	•	•	•	•
Plexaurella				•		•	•	•	•
Pseudoplexaura		•	•	•	•	•	•	•	•
Pseudopterogorgia			•	•	•	•	•	•	•
Pterogorgia				•		•	•		•

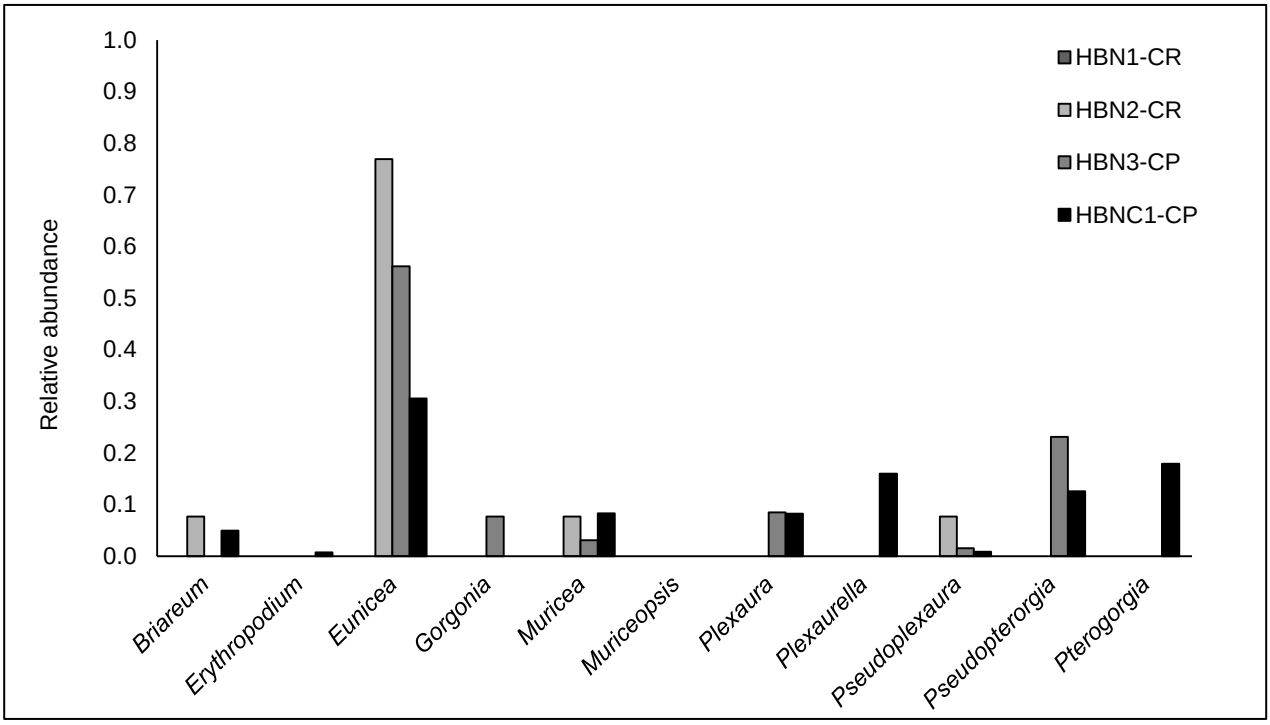


Figure 16 Relative abundance of octocorals at northern nearshore hardbottom sites in Week 1 of baseline.

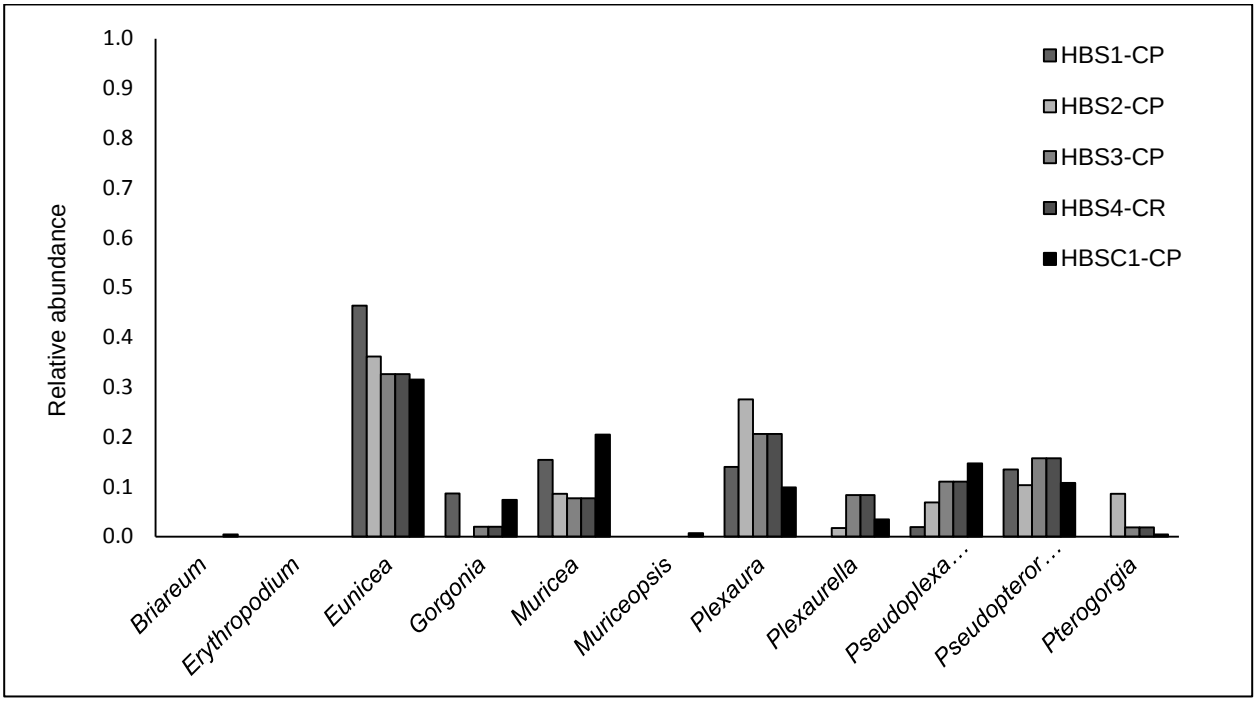


Figure 17 Relative abundance of octocorals at the southern nearshore hardbottom sites in Week 1 of baseline.

Table 13 Number of octocoral colonies and generic richness of octocoral colonies at nearshore hardbottom sites. Data collected during Week 1 of baseline surveys.

Site	Number of colonies	Number of genera
HBN1-CR	0	0
HBN2-CR	13	4
HBN3-CP	130	6
HBNC1-CP	1352	9
HBS1-CP	207	6
HBS2-CP	58	7
HBS3-CP	597	8
HBS4-CR	331	7
HBSC1-CP	434	10

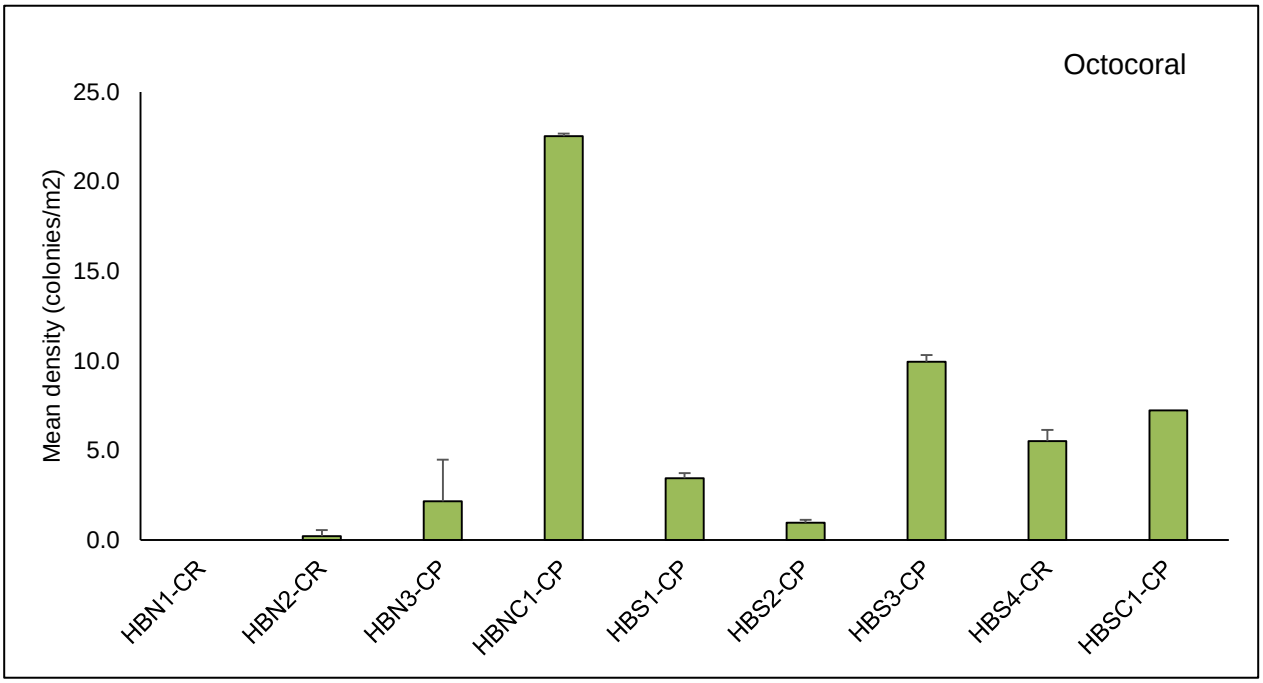


Figure 18 Mean density of octocoral colonies at nearshore hardbottom sites, collected in Week 1 of baseline surveys. Error bars represent the standard error.

Octocoral density was not normally distributed at the site level. Despite numerous transformations, octocoral density failed to meet the assumptions of normality and homogeneity of variance required for parametric testing. To determine if the distribution of octocoral densities were the same at all nine hardbottom sites, a nonparametric Kruskal-Wallis test was performed. Since no octocorals were found at HBN1-CR, this data was omitted from analysis. Differences in octocoral density were significant at the site level ($\chi^2(7) = 22.58$, $p = .002$). Pairwise comparisons using Dunn's procedure with a Bonferonni correction for multiple comparisons indicated that the density distributions of HBN2-CR (*Mdn* = 0.15) and HBNC1-CP (*Mdn* = 24.00) were significantly different from each other (*P*=.008) (Figure 18). Although these are the only significant differences among the nine survey sites, there is a general trend of lower octocoral densities at the four sites closes to the channel jetty (HBN1-CR, HBN2-CR, HBS1-CP and HBS2-CP octocoral density ≤3.5 colonys/m^2). This trend was also noted for scleractinian corals.

3.1.15 Octocoral Diversity

Octocoral generic diversity (H') ranged from 0.79 to 1.86 across nearshore hardbottom sites. HBN1-CR and HBN2-CR were low compared to all other hardbottom sites. Evenness (J') ranged from 0.25 to 0.4 across nearshore hardbottom sites and was also lowest for HBN2-CR (Table 14).

Table 14 Shannon–Wiener Diversity Index (H') and Evenness (J') calculated for octocoral genera at nearshore hardbottom sites. No octocorals were found at HBN1-CR, thus it was omitted from this table.

Index	Site								
	HBN1-CR	HBN2-CR	HBN3-CP	HBNC1-CP	HBS1-CP	HBS2-CP	HBS3-CP	HBS4-CR	HBSC1-CP
Diversity (H')	0	0.79	1.24	1.86	1.48	1.63	1.78	1.50	1.83
Evenness (J')	0	0.31	0.25	0.26	0.28	0.40	0.28	0.26	0.30

3.1.16 Functional Group Percent Cover

Functional group percent cover was highly variable across monitoring sites in the hardbottom areas. The benthic composition of the northern sites consisted mostly of crustose coralline algae, turf, and/or bare substrate (CTB). In addition to CTB, gorgonians accounted for a large percentage of the benthic cover at the northern control site (HBNC1-CP). Sandy substrate was the predominant feature of HBN1-CR (section 3.1) and HBN3-CP exhibited the highest percentage of coral cover (1.8%) for the northern survey sites (Figure 19). While sand and CTB were also the primary functional group at southern hardbottom sites, the southern control site (HBSC1-CP) saw the highest percentage of scleractinian cover (3.1%) and across all hardbottom sites. In addition, HBS1-CP showed the highest percent coverage of sponges (6.5%) (Figure 20).

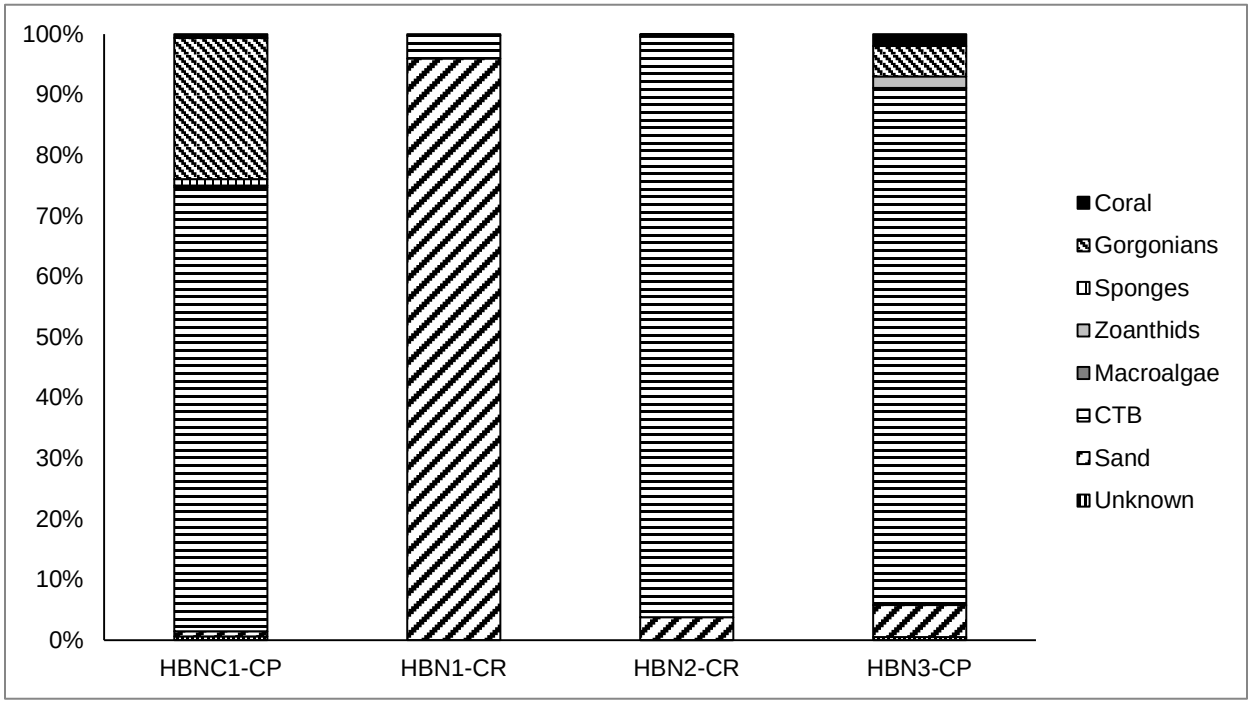


Figure 19 Functional group percent cover for northern hardbottom survey sites in Week 4 of baseline surveys.

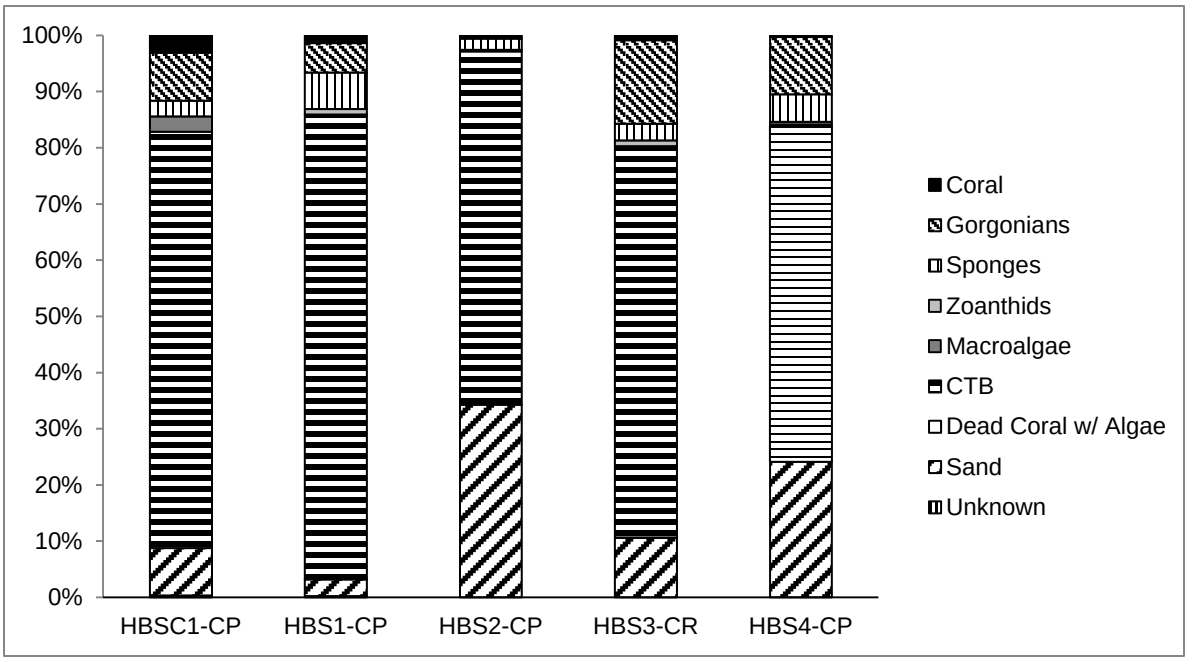


Figure 20 Functional group percent cover for southern hardbottom survey sites in Week 4 of baseline surveys.

3.2 Sedimentation Rates

Sedimentation data were collected from the sediment traps (*N* = 27) at each transect at the end of the baseline survey period (26 to 31 days after installation). Three replicates were combined to create a single sample per transect, for a total of three samples per site. A daily sedimentation rate was calculated for each site as an average of the three samples for a single site. Samples were separated into two fractions in the lab, a coarser grain fraction (≥ No. 230 sieve) and a finer fraction (≤ No. 230 sieve). Sedimentation rates were greatest for the three northern channel-side sites, with a maximum of 6.98 g/day. Fine-grain sedimentation remained low across sites and ranged from 0.49 to 0.96 g/day (Figures 21 and 22). Daily sedimentation of both coarse and fine grained sediment was significantly higher at sites located to the north of the channel (Kruskal-Wallis test, *P*=.016 and *P*=.005 respectively).These data support the observations of sediment accumulation and low water clarity reported by divers during baseline at these sites, which was apparently part of a natural sand transport event (Figure 19) (see Section 3.1.1).

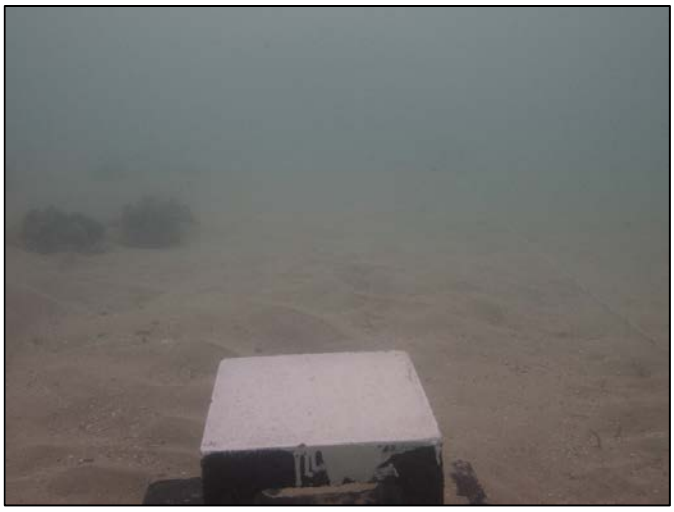


Figure 21 Representative photo of sand wave burial event documented for northern channel-side side during baseline surveys. Photo taken at HBN1-CR on November 7th, 2013

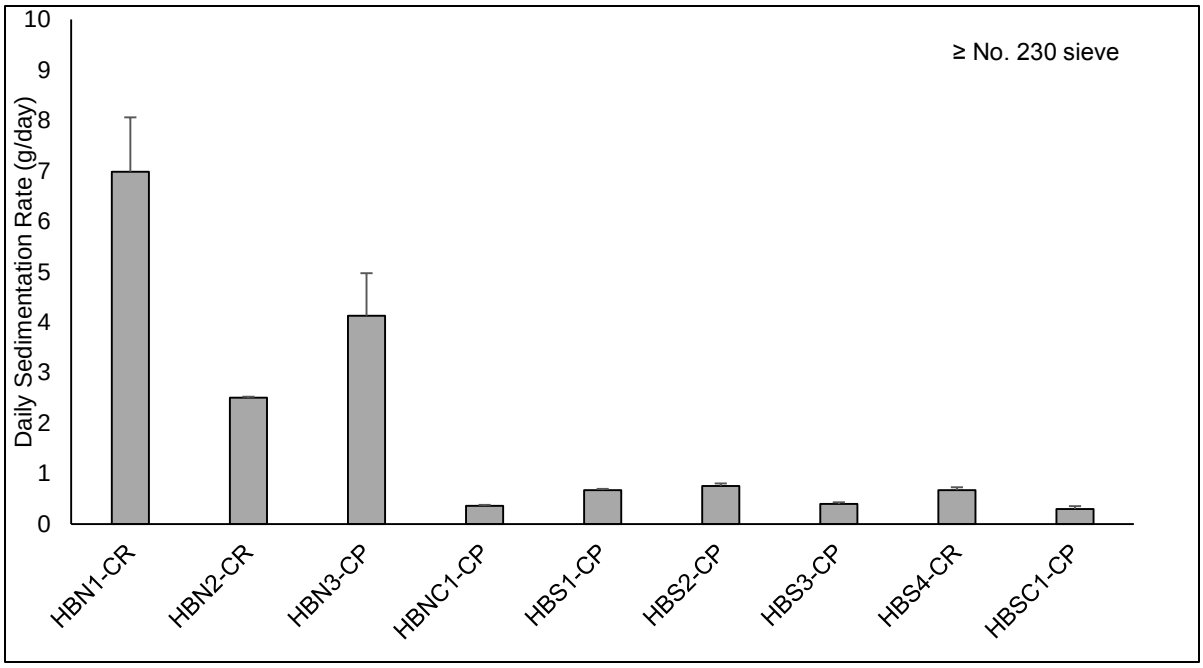


Figure 22 Daily sedimentation rates at nearshore hardbottom sites for coarse-grain sediment (≥ No. 230 sieve). Error bars represent the standard error.

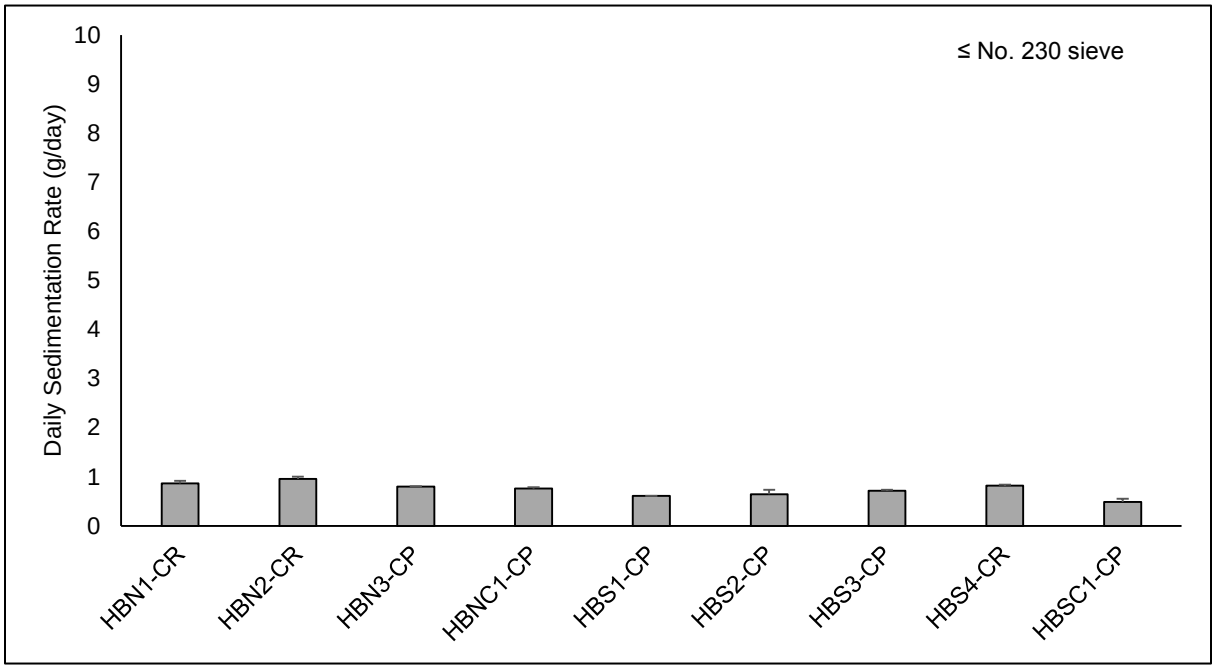


Figure 23 Daily sedimentation rates at nearshore hardbottom sites for fine-grain sediment (≤ No. 230 sieve). Error bars represent the standard error.

3.2.1 Sedimentation Blocks

No sediment was recorded at any blocks during the baseline at any sites. Currents and wave action in these areas (channel-side and reference) keep smooth surfaces, such as painted cement blocks free of sediment. Any sediment that may fall on blocks is removed immediately by normal currents and wave action.

4.0 SUMMARY

The Miami Harbor Deepening Project was designed to widen and deepen the outer entrance channel to increase access to the Port of Miami by larger vessels, including post-Panamax vessels. The project was permitted through the Florida Department of Protection (FDEP), under Permit No. 0305721-001-BI. Permit conditions provide a number of protective measures to ensure the preservation of natural resources, such as hardbottom, reef, and seagrass communities, including methods on environmental monitoring required before, during, and after dredging activities.

This report is a summary of pre-dredging values of octocoral and scleractinian abundance and diversity, percent cover of main benthic categories, coral condition, and sedimentation at seven channel-side (indirect-effect) sites and two reference sites in the hardbottom environment near the dredging survey area. These values will be used in comparison to the post-dredge survey values to identify any impacts of dredge activities to nearshore hardbottom communities.

During the baseline survey period a sand transport event was documented and affected northern hardbottom sites. One site, HBN1-CR, which is closest to the jetty, was buried and two other sites were partially buried. High sedimentation rates were documented at these sites in baseline sedimentation data results.

Scleractinian colony abundance ranged from 1 (HBN1-CR baseline Week 4) to 63 (HBN3-CP baseline Week 3) colonies across nearshore hardbottom sites. HBSC1-CP had the highest number of species at a single hardbottom site (11). A small proportion of scleractinian species made up the majority of scleractinian colonies at nearshore hardbottom sites. Across all sites, three species predominated: *Siderastrea siderea, Stephanocoenia intersepta* and *Solenastrea bournoni*.

The coral *Solenastrea bournoni* is one of the most common corals in the waters Miami-Dade County. Throughout the project area, numerous colonies of *S. bournoni* started to show outward signs of distress during the baseline surveys in the late fall of 2013. This included disease-like symptoms with mottled coloration and necrotic tissues. As many as 14 % of corals at hardbottom survey sites were documented with this unknown disease during baseline surveys. We are following marked corals and initiating an applied research program to understand the spread and causality of this coral malady and its impacts on the overall health of the ecosystem.

Functional group percent cover was highly variable across monitoring sites in the hardbottom areas. The benthic composition of all hardbottom sites consisted mostly of crustose coralline algae, turf, and/or bare substrate (CTB). The sand category was the second most common functional group at hardbottom sites. Octocorals, sponges, and hard corals were low in cover across hardbottom sites.

5.0 RECOMMENDATIONS

- Continue to monitor the northern hardbottom sites for impacts from natural sand transportation events as these were confounding effects of coral condition during the baseline survey.
- Continue to document and assess the presence of unknown *Solenastrea bournoni* disease throughout the study area.
- HBN1-CR should be removed from the sites to be monitored since this location is affected by natural sand transport and was buried during baseline surveys.
- Consider eliminating sediment blocks as a tool for measuring sediment accumulation of hardbottom and reef environments, normal currents and wave action keep these blocks free of any sediment accumulation.

6.0 LITERATURE CITED

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APPENDIX A

In Situ Data

Functional Group Analysis

Sedimentation Data

Baseline Data Sheets

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Algae	*Dictyota*	1						
10/20/2013	1	HBN2-CR	HBN2-CR-1	Octocoral	*Eunicea*	2						
10/20/2013	1	HBN2-CR	HBN2-CR-1	Octocoral	*Pseudoplexaura-slimy*	1						
10/20/2013	1	HBN2-CR	HBN2-CR-2	Octocoral	*Eunicea*	3						
10/20/2013	1	HBN2-CR	HBN2-CR-3	Octocoral	*Eunicea*	5						
10/20/2013	1	HBN2-CR	HBN2-CR-3	Octocoral	*Muricea-hooks*	1						
10/20/2013	1	HBN2-CR	HBN2-CR-3	Octocoral	*Briareum-bumpy*	1						
10/20/2013	1	HBN3-CP	HBN3-CP-1	Octocoral	*Eunicea*	35						
10/20/2013	1	HBN3-CP	HBN3-CP-1	Octocoral	*Plexaura-round*	1						
10/20/2013	1	HBN3-CP	HBN3-CP-1	Octocoral	*Pseudoplexaura-slimy*	1						
10/20/2013	1	HBN3-CP	HBN3-CP-1	Octocoral	*Muricea-hooks*	1						
10/20/2013	1	HBN3-CP	HBN3-CP-1	Octocoral	*Pseudopterorgia-skinny pl*	16						
10/20/2013	1	HBN3-CP	HBN3-CP-1	Octocoral	*Gorgonia*	2						
10/20/2013	1	HBN3-CP	HBN3-CP-2	Octocoral	*Eunicea*	21						
10/20/2013	1	HBN3-CP	HBN3-CP-2	Octocoral	*Plexaura-round*	3						
10/20/2013	1	HBN3-CP	HBN3-CP-2	Octocoral	*Pseudoplexaura-slimy*	1						
10/20/2013	1	HBN3-CP	HBN3-CP-2	Octocoral	*Muricea-hooks*	3						
10/20/2013	1	HBN3-CP	HBN3-CP-2	Octocoral	*Pseudopterorgia-skinny pl*	9						
10/20/2013	1	HBN3-CP	HBN3-CP-2	Octocoral	*Gorgonia*	4						
10/20/2013	1	HBN3-CP	HBN3-CP-3	Octocoral	*Eunicea*	17						
10/20/2013	1	HBN3-CP	HBN3-CP-3	Octocoral	*Plexaura-round*	7						
10/20/2013	1	HBN3-CP	HBN3-CP-3	Octocoral	*Pseudopterorgia-skinny pl*	5						
10/20/2013	1	HBN3-CP	HBN3-CP-3	Octocoral	*Gorgonia*	4						
10/13/2013	1	HBNC1-CP	HBNC1-CP-1	Octocoral	*Eunicea*	131						
10/13/2013	1	HBNC1-CP	HBNC1-CP-1	Octocoral	*Plexaura-round*	33						
10/13/2013	1	HBNC1-CP	HBNC1-CP-1	Octocoral	*Plexaurella-slit*	60						
10/13/2013	1	HBNC1-CP	HBNC1-CP-1	Octocoral	*Pseudoplexaura-slimy*	2						
10/13/2013	1	HBNC1-CP	HBNC1-CP-1	Octocoral	*Muricea-hooks*	23						
10/13/2013	1	HBNC1-CP	HBNC1-CP-1	Octocoral	*Pterogorgia-cactus*	69						
10/13/2013	1	HBNC1-CP	HBNC1-CP-1	Octocoral	*Pseudopterorgia-skinny pl*	42						
10/13/2013	1	HBNC1-CP	HBNC1-CP-2	Octocoral	*Eunicea*	140						
10/13/2013	1	HBNC1-CP	HBNC1-CP-2	Octocoral	*Plexaura-round*	53						

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/13/2013	1	HBNC1-CP	HBNC1-CP-2	Octocoral	*Plexaurella-slit*	72						
10/13/2013	1	HBNC1-CP	HBNC1-CP-2	Octocoral	*Pseudoplexaura-slimy*	3						
10/13/2013	1	HBNC1-CP	HBNC1-CP-2	Octocoral	*Muricea-hooks*	64						
10/13/2013	1	HBNC1-CP	HBNC1-CP-2	Octocoral	*Pterogorgia-cactus*	95						
10/13/2013	1	HBNC1-CP	HBNC1-CP-2	Octocoral	*Pseudopterorgia-skinny pl*	82						
10/13/2013	1	HBNC1-CP	HBNC1-CP-2	Octocoral	*Briareum-bumpy*	3						
10/13/2013	1	HBNC1-CP	HBNC1-CP-3	Octocoral	*Eunicea*	142						
10/13/2013	1	HBNC1-CP	HBNC1-CP-3	Octocoral	*Plexaura-round*	25						
10/13/2013	1	HBNC1-CP	HBNC1-CP-3	Octocoral	*Plexaurella-slit*	84						
10/13/2013	1	HBNC1-CP	HBNC1-CP-3	Octocoral	*Pseudoplexaura-slimy*	6						
10/13/2013	1	HBNC1-CP	HBNC1-CP-3	Octocoral	*Muricea-hooks*	25						
10/13/2013	1	HBNC1-CP	HBNC1-CP-3	Octocoral	*Pterogorgia-cactus*	78						
10/13/2013	1	HBNC1-CP	HBNC1-CP-3	Octocoral	*Pseudopterorgia-skinny pl*	46						
10/13/2013	1	HBNC1-CP	HBNC1-CP-3	Octocoral	*Briareum-bumpy*	64						
10/13/2013	1	HBNC1-CP	HBNC1-CP-3	Octocoral	*Erythropodium-smooth*	10						
10/18/2013	1	HBS1-CP	HBS1-CP-1	Octocoral	*Eunicea*	33						
10/18/2013	1	HBS1-CP	HBS1-CP-1	Octocoral	*Plexaura-round*	9						
10/18/2013	1	HBS1-CP	HBS1-CP-1	Octocoral	*Pseudoplexaura-slimy*	2						
10/18/2013	1	HBS1-CP	HBS1-CP-1	Octocoral	*Muricea-hooks*	15						
10/18/2013	1	HBS1-CP	HBS1-CP-1	Octocoral	*Pseudopterorgia-skinny pl*	2						
10/18/2013	1	HBS1-CP	HBS1-CP-1	Octocoral	*Gorgonia*	10						
10/18/2013	1	HBS1-CP	HBS1-CP-2	Octocoral	*Eunicea*	32						
10/18/2013	1	HBS1-CP	HBS1-CP-2	Octocoral	*Plexaura-round*	10						
10/18/2013	1	HBS1-CP	HBS1-CP-2	Octocoral	*Pseudoplexaura-slimy*	1						
10/18/2013	1	HBS1-CP	HBS1-CP-2	Octocoral	*Muricea-hooks*	12						
10/18/2013	1	HBS1-CP	HBS1-CP-2	Octocoral	*Pseudopterorgia-skinny pl*	13						
10/18/2013	1	HBS1-CP	HBS1-CP-2	Octocoral	*Gorgonia*	5						
10/18/2013	1	HBS1-CP	HBS1-CP-3	Octocoral	*Eunicea*	31						
10/18/2013	1	HBS1-CP	HBS1-CP-3	Octocoral	*Plexaura-round*	10						
10/18/2013	1	HBS1-CP	HBS1-CP-3	Octocoral	*Pseudoplexaura-slimy*	1						
10/18/2013	1	HBS1-CP	HBS1-CP-3	Octocoral	*Muricea-hooks*	5						
10/18/2013	1	HBS1-CP	HBS1-CP-3	Octocoral	*Pseudopterorgia-skinny pl*	13						

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/18/2013	1	HBS1-CP	HBS1-CP-3	Octocoral	*Gorgonia*	3						
10/18/2013	1	HBS2-CP	HBS2-CP-1	Octocoral	*Eunicea*	6						
10/18/2013	1	HBS2-CP	HBS2-CP-1	Octocoral	*Plexaura-round*	2						
10/18/2013	1	HBS2-CP	HBS2-CP-1	Octocoral	*Pseudoplexaura-slimy*	2						
10/18/2013	1	HBS2-CP	HBS2-CP-1	Octocoral	*Muricea-hooks*	4						
10/18/2013	1	HBS2-CP	HBS2-CP-1	Octocoral	*Pterogorgia-cactus*	1						
10/18/2013	1	HBS2-CP	HBS2-CP-2	Octocoral	*Pseudopterorgia-skinny pl*	3						
10/18/2013	1	HBS2-CP	HBS2-CP-2	Octocoral	*Eunicea*	5						
10/18/2013	1	HBS2-CP	HBS2-CP-2	Octocoral	*Plexaura-round*	4						
10/18/2013	1	HBS2-CP	HBS2-CP-3	Octocoral	*Eunicea*	10						
10/18/2013	1	HBS2-CP	HBS2-CP-3	Octocoral	*Plexaura-round*	10						
10/18/2013	1	HBS2-CP	HBS2-CP-3	Octocoral	*Plexaurella-slit*	1						
10/18/2013	1	HBS2-CP	HBS2-CP-3	Octocoral	*Pseudoplexaura-slimy*	2						
10/18/2013	1	HBS2-CP	HBS2-CP-3	Octocoral	*Muricea-hooks*	1						
10/18/2013	1	HBS2-CP	HBS2-CP-3	Octocoral	*Pterogorgia-cactus*	4						
10/18/2013	1	HBS2-CP	HBS2-CP-3	Octocoral	*Pseudopterorgia-skinny pl*	3						
10/19/2013	1	HBS3-CP	HBS3-CP-1	Octocoral	*Eunicea*	61						
10/19/2013	1	HBS3-CP	HBS3-CP-1	Octocoral	*Plexaura-round*	45						
10/19/2013	1	HBS3-CP	HBS3-CP-1	Octocoral	*Plexaurella-slit*	16						
10/19/2013	1	HBS3-CP	HBS3-CP-1	Octocoral	*Pseudoplexaura-slimy*	28						
10/19/2013	1	HBS3-CP	HBS3-CP-1	Octocoral	*Muricea-hooks*	8						
10/19/2013	1	HBS3-CP	HBS3-CP-1	Octocoral	*Pseudopterorgia-skinny pl*	39						
10/19/2013	1	HBS3-CP	HBS3-CP-1	Octocoral	*Gorgonia*	8						
10/19/2013	1	HBS3-CP	HBS3-CP-2	Octocoral	*Eunicea*	76						
10/19/2013	1	HBS3-CP	HBS3-CP-2	Octocoral	*Plexaura-round*	36						
10/19/2013	1	HBS3-CP	HBS3-CP-2	Octocoral	*Plexaurella-slit*	18						
10/19/2013	1	HBS3-CP	HBS3-CP-2	Octocoral	*Pseudoplexaura-slimy*	19						
10/19/2013	1	HBS3-CP	HBS3-CP-2	Octocoral	*Muricea-hooks*	19						
10/19/2013	1	HBS3-CP	HBS3-CP-2	Octocoral	*Pterogorgia-cactus*	2						
10/19/2013	1	HBS3-CP	HBS3-CP-2	Octocoral	*Pseudopterorgia-skinny pl*	23						
10/19/2013	1	HBS3-CP	HBS3-CP-2	Octocoral	*Gorgonia*	1						
10/19/2013	1	HBS3-CP	HBS3-CP-3	Octocoral	*Eunicea*	58						

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/19/2013	1	HBS3-CP	HBS3-CP-3	Octocoral	*Plexaura-round*	42						
10/19/2013	1	HBS3-CP	HBS3-CP-3	Octocoral	*Plexaurella-slit*	16						
10/19/2013	1	HBS3-CP	HBS3-CP-3	Octocoral	*Pseudoplexaura-slimy*	19						
10/19/2013	1	HBS3-CP	HBS3-CP-3	Octocoral	*Muricea-hooks*	19						
10/19/2013	1	HBS3-CP	HBS3-CP-3	Octocoral	*Pterogorgia-cactus*	9						
10/19/2013	1	HBS3-CP	HBS3-CP-3	Octocoral	*Pseudopterorgia-skinny pl*	32						
10/19/2013	1	HBS3-CP	HBS3-CP-3	Octocoral	*Gorgonia*	3						
10/19/2013	1	HBS4-CR	HBS4-CR-1	Octocoral	*Eunicea*	48						
10/19/2013	1	HBS4-CR	HBS4-CR-1	Octocoral	*Plexaura-round*	18						
10/19/2013	1	HBS4-CR	HBS4-CR-1	Octocoral	*Plexaurella-slit*	16						
10/19/2013	1	HBS4-CR	HBS4-CR-1	Octocoral	*Pseudoplexaura-slimy*	8						
10/19/2013	1	HBS4-CR	HBS4-CR-1	Octocoral	*Muricea-hooks*	4						
10/19/2013	1	HBS4-CR	HBS4-CR-1	Octocoral	*Pseudopterorgia-skinny pl*	19						
10/19/2013	1	HBS4-CR	HBS4-CR-2	Octocoral	*Eunicea*	57						
10/19/2013	1	HBS4-CR	HBS4-CR-2	Octocoral	*Plexaura-round*	25						
10/19/2013	1	HBS4-CR	HBS4-CR-2	Octocoral	*Plexaurella-slit*	10						
10/19/2013	1	HBS4-CR	HBS4-CR-2	Octocoral	*Pseudoplexaura-slimy*	7						
10/19/2013	1	HBS4-CR	HBS4-CR-2	Octocoral	*Muricea-hooks*	3						
10/19/2013	1	HBS4-CR	HBS4-CR-2	Octocoral	*Pseudopterorgia-skinny pl*	19						
10/19/2013	1	HBS4-CR	HBS4-CR-2	Octocoral	*Gorgonia*	1						
10/19/2013	1	HBS4-CR	HBS4-CR-3	Octocoral	*Eunicea*	49						
10/19/2013	1	HBS4-CR	HBS4-CR-3	Octocoral	*Plexaura-round*	11						
10/19/2013	1	HBS4-CR	HBS4-CR-3	Octocoral	*Plexaurella-slit*	7						
10/19/2013	1	HBS4-CR	HBS4-CR-3	Octocoral	*Pseudoplexaura-slimy*	9						
10/19/2013	1	HBS4-CR	HBS4-CR-3	Octocoral	*Pseudopterorgia-skinny pl*	18						
10/19/2013	1	HBS4-CR	HBS4-CR-3	Octocoral	*Gorgonia*	2						
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Octocoral	*Eunicea*	30						
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Octocoral	*Plexaura-round*	11						
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Octocoral	*Plexaurella-slit*	5						
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Octocoral	*Pseudoplexaura-slimy*	13						
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Octocoral	*Muricea-hooks*	36						
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Octocoral	*Pseudopterorgia-skinny pl*	14						

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Octocoral	*Muriceopsis-rough*	3						
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Octocoral	*Gorgonia*	8						
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Octocoral	*Eunicea*	54						
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Octocoral	*Plexaura-round*	11						
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Octocoral	*Plexaurella-slit*	7						
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Octocoral	*Pseudoplexaura-slimy*	16						
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Octocoral	*Muricea-hooks*	34						
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Octocoral	*Pterogorgia-cactus*	1						
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Octocoral	*Pseudopterorgia-skinny pl*	15						
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Octocoral	*Briareum-bumpy*	1						
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Octocoral	*Gorgonia*	15						
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Octocoral	*Eunicea*	53						
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Octocoral	*Plexaura-round*	21						
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Octocoral	*Plexaurella-slit*	3						
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Octocoral	*Pseudoplexaura-slimy*	35						
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Octocoral	*Muricea-hooks*	19						
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Octocoral	*Pterogorgia-cactus*	1						
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Octocoral	*Pseudopterorgia-skinny pl*	18						
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Octocoral	*Briareum-bumpy*	1						
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Octocoral	*Gorgonia*	9						
10/20/2013	1	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	1	0		0	
10/20/2013	1	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	2	1	B	1	PB
10/20/2013	1	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	3	0		0	
10/20/2013	1	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	4	0	SED	1	SA
10/20/2013	1	HBN1-CR	HBN1-CR-1	Scleractinian	*Solenastrea bournoni*	1	Y	5	0	SED	0	
10/20/2013	1	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	6	0	SED	0	
10/20/2013	1	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	7	0	SED	0	
10/20/2013	1	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	8	1	BB	1	PB
10/20/2013	1	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	9	0		0	
10/20/2013	1	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea siderea*	1			0			
10/20/2013	1	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea siderea*	1			0			
10/20/2013	1	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea siderea*	1			1	B		

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/20/2013	1	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea siderea*	1			0			
10/20/2013	1	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea siderea*	1			0			
10/20/2013	1	HBN1-CR	HBN1-CR-2	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		1	PE
10/20/2013	1	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	2	0		0	
10/20/2013	1	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	3	0		0	
10/20/2013	1	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	4	0		0	
10/20/2013	1	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	5	0		1	PB
10/20/2013	1	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	6	0		1	PB
10/20/2013	1	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea siderea*	1			0			
10/20/2013	1	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea siderea*	1			0			
10/20/2013	1	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea siderea*	1			0			
10/20/2013	1	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea siderea*	1			0			
10/20/2013	1	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea siderea*	1			0			
10/20/2013	1	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea siderea*	1			0			
10/20/2013	1	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea siderea*	1			0			
10/20/2013	1	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea siderea*	1			0			
10/20/2013	1	HBN1-CR	HBN1-CR-3	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		1	PE
10/20/2013	1	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	2	0		0	
10/20/2013	1	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	3	0		0	
10/20/2013	1	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	4	0		1	SA
10/20/2013	1	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	5	0		0	
10/20/2013	1	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	6	0		0	
10/20/2013	1	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea siderea*	1	Y	7	0		0	
10/20/2013	1	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea siderea*	1	Y	8	0		0	
10/20/2013	1	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea radians*	1			0			
10/20/2013	1	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea radians*	1			0			
10/20/2013	1	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea radians*	1			0			
10/20/2013	1	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea radians*	1			0			
10/20/2013	1	HBN2-CR	HBN2-CR-1	Scleractinian	*Porites astreoides*	1	Y	1	1		1	M
10/20/2013	1	HBN2-CR	HBN2-CR-1	Scleractinian	*Porites astreoides*	1	Y	2	1	SED	1	SA
10/20/2013	1	HBN2-CR	HBN2-CR-1	Scleractinian	*Porites astreoides*	1	Y	3	1		1	FB/SA
10/20/2013	1	HBN2-CR	HBN2-CR-1	Scleractinian	*Solenastrea bournoni*	1	Y	4	1		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/20/2013	1	HBN2-CR	HBN2-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	5	1	M	1	M
10/20/2013	1	HBN2-CR	HBN2-CR-2	Scleractinian	*Oculina diffusa*	1	Y	1	0		0	
10/20/2013	1	HBN2-CR	HBN2-CR-2	Scleractinian	*Porites astreoides*	1	Y	2	0		0	
10/20/2013	1	HBN2-CR	HBN2-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	3	0	SED	0	
10/20/2013	1	HBN2-CR	HBN2-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	4	1	SED	0	
10/20/2013	1	HBN2-CR	HBN2-CR-2	Scleractinian	*Porites astreoides*	1			0			
10/20/2013	1	HBN2-CR	HBN2-CR-3	Scleractinian	*Solenastrea bournoni*	1	Y	1	1	FB	1	FB
10/20/2013	1	HBN2-CR	HBN2-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	1	PB	1	PB
10/20/2013	1	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	3	0		0	
10/20/2013	1	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	4	0-1	FB/SED	1	FB
10/20/2013	1	HBN2-CR	HBN2-CR-3	Scleractinian	*Stephanocoenia intercept*	1	Y	5	0		0	
10/20/2013	1	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	6	0		1	M
10/20/2013	1	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea siderea*	1			0			
10/20/2013	1	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea siderea*	1			0			
10/20/2013	1	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	1	1	PB	1	UD
10/20/2013	1	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		0	
10/20/2013	1	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		0	
10/20/2013	1	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	4	1	PB	1	UD
10/20/2013	1	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	5	0		0	
10/20/2013	1	HBN3-CP	HBN3-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
10/20/2013	1	HBN3-CP	HBN3-CP-1	Scleractinian	*Porites astreoides*	1	Y	7	0		0	
10/20/2013	1	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	8	1	PB	1	UD
10/20/2013	1	HBN3-CP	HBN3-CP-1	Scleractinian	*Stephanocoenia intercept*	1			1			
10/20/2013	1	HBN3-CP	HBN3-CP-1	Scleractinian	*Siderastrea siderea*	1			1	P		
10/20/2013	1	HBN3-CP	HBN3-CP-1	Scleractinian	*Stephanocoenia intercept*	1			0			
10/20/2013	1	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1			0			
10/20/2013	1	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1			0			
10/20/2013	1	HBN3-CP	HBN3-CP-1	Scleractinian	*Favia fragum*	1			0			
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	1	0		0	
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	2	1	M	1	SA
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	SA
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1	Y	4	0		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	5	1		1	SA
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	6	0		0	
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	7	0		0	
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1	Y	8	0		0	
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	9	0		0	
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1	Y	10	0		1	SA
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Montastraea cavernosa*	1			1	P		
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Dichocoenia stokesii*	1			0			
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	2			0			
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	1						
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1			0			
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Montastraea cavernosa*	1			1	P		
10/20/2013	1	HBN3-CP	HBN3-CP-2	Scleractinian	*Oculina diffusa*	1			0			
10/20/2013	1	HBN3-CP	HBN3-CP-3	Scleractinian	*Diploria clivosa*	1	Y	1	0		1	SA
10/20/2013	1	HBN3-CP	HBN3-CP-3	Scleractinian	*Oculina diffusa*	1	Y	2	0		1	PB
10/20/2013	1	HBN3-CP	HBN3-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	UD
10/20/2013	1	HBN3-CP	HBN3-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		0	
10/20/2013	1	HBN3-CP	HBN3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
10/20/2013	1	HBN3-CP	HBN3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
10/20/2013	1	HBN3-CP	HBN3-CP-3	Scleractinian	*Oculina diffusa*	1	Y	7	0		0	
10/20/2013	1	HBN3-CP	HBN3-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	8	1		0	
10/20/2013	1	HBN3-CP	HBN3-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	9	1		1	SA
10/20/2013	1	HBN3-CP	HBN3-CP-3	Scleractinian	*Siderastrea siderea*	1			1			
10/20/2013	1	HBN3-CP	HBN3-CP-3	Scleractinian	*Siderastrea siderea*	1			1			
10/20/2013	1	HBN3-CP	HBN3-CP-3	Scleractinian	*Dichocoenia stokesii*	1			0			
10/20/2013	1	HBN3-CP	HBN3-CP-3	Scleractinian	*Solenastrea bournoni*	1			0			
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	1	1		0	
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	2	1		1	PE/UD
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	3	1		1	UD
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	4	1		0	
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	5	1		1	FB
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	6	1		1	PE

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Stephanocoenia intercept*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Siderastrea siderea*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Siderastrea siderea*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Oculina diffusa*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Oculina diffusa*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Oculina diffusa*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Oculina diffusa*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Oculina diffusa*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Porites porites*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Porites porites*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	1	1		1	UD
10/14/2013	1	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	2	1		1	UD
10/14/2013	1	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	3	1		1	PE
10/14/2013	1	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Stephanocoenia intercept*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Porites astreoides*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Siderastrea radians*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Siderastrea radians*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Oculina diffusa*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1	Y	1	0		0	
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	PE
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Stephanocoenia intercept(*	1	Y	4	0		0	
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Stephanocoenia intercept(*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Solenastrea bournoni*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Solenastrea bournoni*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Siderastrea siderea*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Siderastrea siderea*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Porites porites*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Porites porites*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Porites porites*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Porites porites*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Porites porites*	1						
10/14/2013	1	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Porites porites*	1						
10/18/2013	1	HBS1-CP	HBS1-CP-1	Scleractinian	*Diploria clivosa*	1	Y	1	0		0	
10/18/2013	1	HBS1-CP	HBS1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		1	PE
10/18/2013	1	HBS1-CP	HBS1-CP-1	Scleractinian	*Diploria clivosa*	1	Y	3	1	PO	0	PO
10/18/2013	1	HBS1-CP	HBS1-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	4	0		0	
10/18/2013	1	HBS1-CP	HBS1-CP-1	Scleractinian	*Oculina diffusa*	1	Y	5	1	SO	1	PB
10/18/2013	1	HBS1-CP	HBS1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	6	0		0	
10/18/2013	1	HBS1-CP	HBS1-CP-1	Scleractinian	*Diploria clivosa*	1	Y	7	0-1	SED	0	
10/18/2013	1	HBS1-CP	HBS1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	8	0		1	PE
10/18/2013	1	HBS1-CP	HBS1-CP-1	Scleractinian	*Siderastrea radians*	1						
10/18/2013	1	HBS1-CP	HBS1-CP-1	Scleractinian	*Stephanocoenia intercept(*	1						
10/18/2013	1	HBS1-CP	HBS1-CP-1	Scleractinian	*Siderastrea siderea*	1						
10/18/2013	1	HBS1-CP	HBS1-CP-1	Scleractinian	*Montastraea cavernosa*	1						
10/18/2013	1	HBS1-CP	HBS1-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	1	0		0	
10/18/2013	1	HBS1-CP	HBS1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		1	PE
10/18/2013	1	HBS1-CP	HBS1-CP-2	Scleractinian	*Montastraea cavernosa*	1	Y	3	0		0	
10/18/2013	1	HBS1-CP	HBS1-CP-2	Scleractinian	*Orbicella faveolata*	1	Y	4	0		0	
10/18/2013	1	HBS1-CP	HBS1-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/18/2013	1	HBS1-CP	HBS1-CP-2	Scleractinian	*Siderastrea siderea*	2						
10/18/2013	1	HBS1-CP	HBS1-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		1	PE
10/18/2013	1	HBS1-CP	HBS1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	
10/18/2013	1	HBS1-CP	HBS1-CP-3	Scleractinian	*Montastraea cavernosa*	1	Y	3	0		1	SA
10/18/2013	1	HBS1-CP	HBS1-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	4	0		0	
10/18/2013	1	HBS1-CP	HBS1-CP-3	Scleractinian	*Diploria clivosa*	1	Y	5	0		0	
10/18/2013	1	HBS1-CP	HBS1-CP-3	Scleractinian	*Solenastrea bournoni*	1						
10/18/2013	1	HBS2-CP	HBS2-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	1	0		0	
10/18/2013	1	HBS2-CP	HBS2-CP-1	Scleractinian	*Meandrina meandrites*	1	Y	2	0		0	
10/18/2013	1	HBS2-CP	HBS2-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	PE
10/18/2013	1	HBS2-CP	HBS2-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		1	PE
10/18/2013	1	HBS2-CP	HBS2-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	5	0		0	
10/18/2013	1	HBS2-CP	HBS2-CP-1	Scleractinian	*Siderastrea radians*	2						
10/18/2013	1	HBS2-CP	HBS2-CP-1	Scleractinian	*Stephanocoenia intercept*	1						
10/18/2013	1	HBS2-CP	HBS2-CP-1	Scleractinian	*Porites astreoides*	2						
10/18/2013	1	HBS2-CP	HBS2-CP-1	Scleractinian	*Solenastrea bournoni*	1						
10/18/2013	1	HBS2-CP	HBS2-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	1	0		0	
10/18/2013	1	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		0	
10/18/2013	1	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	SA
10/18/2013	1	HBS2-CP	HBS2-CP-2	Scleractinian	*Stephanocoenia intercept*	1	Y	4	0		0	
10/18/2013	1	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	5	0		1	PE
10/18/2013	1	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	6	0		0	
10/18/2013	1	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	7	0		0	
10/18/2013	1	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	8	0		1	SA
10/18/2013	1	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	9	0		0	
10/18/2013	1	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	10	0		0	
10/18/2013	1	HBS2-CP	HBS2-CP-2	Scleractinian	*Dichocoenia stokesii*	1						
10/18/2013	1	HBS2-CP	HBS2-CP-2	Scleractinian	*Siderastrea radians*	1						
10/18/2013	1	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	3						
10/18/2013	1	HBS2-CP	HBS2-CP-2	Scleractinian	*Siderastrea siderea*	1						
10/18/2013	1	HBS2-CP	HBS2-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		0	
10/18/2013	1	HBS2-CP	HBS2-CP-3	Scleractinian	*Oculina diffusa*	1	Y	2	0		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/18/2013	1	HBS2-CP	HBS2-CP-3	Scleractinian	*Oculina diffusa*	1	Y	3	0		0	
10/18/2013	1	HBS2-CP	HBS2-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	4	0		0	
10/18/2013	1	HBS2-CP	HBS2-CP-3	Scleractinian	*Stephanocoenia intercepte*	1	Y	5	0-1		1	PB
10/18/2013	1	HBS2-CP	HBS2-CP-3	Scleractinian	*Stephanocoenia intercepte*	1	Y	6	0		1	UD
10/18/2013	1	HBS2-CP	HBS2-CP-3	Scleractinian	*Siderastrea radians*	1						
10/18/2013	1	HBS2-CP	HBS2-CP-3	Scleractinian	*Stephanocoenia intercepte*	2						
10/18/2013	1	HBS2-CP	HBS2-CP-3	Scleractinian	*Solenastrea bournoni*	1						
10/19/2013	1	HBS3-CP	HBS3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		1	PD
10/19/2013	1	HBS3-CP	HBS3-CP-1	Scleractinian	*Colophyllia natans*	1	Y	2	1		0	
10/19/2013	1	HBS3-CP	HBS3-CP-1	Scleractinian	*Meandrina meandrites*	1	Y	3	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-1	Scleractinian	*Meandrina meandrites*	1	Y	4	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-1	Scleractinian	*Meandrina meandrites*	1	Y	5	1		0	
10/19/2013	1	HBS3-CP	HBS3-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-1	Scleractinian	*Stephanocoenia intercepte*	1	Y	7	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-1	Scleractinian	*Stephanocoenia intercepte*	1	Y	8	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	9	1		0	
10/19/2013	1	HBS3-CP	HBS3-CP-1	Scleractinian	*Stephanocoenia intercepte*	3						
10/19/2013	1	HBS3-CP	HBS3-CP-1	Scleractinian	*Porites astreoides*	1						
10/19/2013	1	HBS3-CP	HBS3-CP-1	Scleractinian	*Siderastrea siderea*	1						
10/19/2013	1	HBS3-CP	HBS3-CP-1	Scleractinian	*Oculina diffusa*	1						
10/19/2013	1	HBS3-CP	HBS3-CP-1	Scleractinian	*Colophyllia natans*	1						
10/19/2013	1	HBS3-CP	HBS3-CP-1	Scleractinian	*Montastraea cavernosa*	1						
10/19/2013	1	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	1	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-2	Scleractinian	*Oculina diffusa*	1	Y	2	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	3	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	4	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-2	Scleractinian	*Meandrina meandrites*	1	Y	6	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-2	Scleractinian	*Stephanocoenia intercepte*	1	Y	8	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	9	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-2	Scleractinian	*Stephanocoenia intercepte*	1	Y	10	0		1	PE

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/19/2013	1	HBS3-CP	HBS3-CP-2	Scleractinian	*Stephanocoenia intercept*	2						
10/19/2013	1	HBS3-CP	HBS3-CP-2	Scleractinian	*Siderastrea siderea*	1						
10/19/2013	1	HBS3-CP	HBS3-CP-2	Scleractinian	*Montastraea cavernosa*	1						
10/19/2013	1	HBS3-CP	HBS3-CP-3	Scleractinian	*Meandrina meandrites*	1	Y	1	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	2	1		0	
10/19/2013	1	HBS3-CP	HBS3-CP-3	Scleractinian	*Colophyllia natans*	1	Y	3	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-3	Scleractinian	*Meandrina meandrites*	1	Y	4	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	9	1		1	M
10/19/2013	1	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	10	0		0	
10/19/2013	1	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	2						
10/19/2013	1	HBS3-CP	HBS3-CP-3	Scleractinian	*Stephanocoenia intercept*	7						
10/19/2013	1	HBS3-CP	HBS3-CP-3	Scleractinian	*Oculina diffusa*	1						
10/18/2013	1	HBS4-CR	HBS4-CR-1	Scleractinian	*Meandrina meandrites*	1	Y	1	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-1	Scleractinian	*Stephanocoenia intercept*	1	Y	2	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-1	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1	Y	4	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-1	Scleractinian	*Solenastrea bournoni*	1	Y	5	0		1	PE
10/18/2013	1	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-1	Scleractinian	*Oculina diffusa*	1	Y	9	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1						
10/18/2013	1	HBS4-CR	HBS4-CR-1	Scleractinian	*Stephanocoenia intercept*	2						
10/18/2013	1	HBS4-CR	HBS4-CR-1	Scleractinian	*Solenastrea bournoni*	2						
10/18/2013	1	HBS4-CR	HBS4-CR-1	Scleractinian	*Siderastrea siderea*	5						
10/18/2013	1	HBS4-CR	HBS4-CR-1	Scleractinian	*Porites astreoides*	1						
10/18/2013	1	HBS4-CR	HBS4-CR-2	Scleractinian	*Oculina diffusa*	1	Y	1	-		0	
10/18/2013	1	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		1	SA

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/18/2013	1	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1	Y	3	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-2	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		1	PE
10/18/2013	1	HBS4-CR	HBS4-CR-2	Scleractinian	*Solenastrea bournoni*	1	Y	5	0		1	PE/UPM
10/18/2013	1	HBS4-CR	HBS4-CR-2	Scleractinian	*Siderastrea siderea*	1	Y	6	1		0	
10/18/2013	1	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1						
10/18/2013	1	HBS4-CR	HBS4-CR-2	Scleractinian	*Siderastrea siderea*	2						
10/18/2013	1	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	1	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-3	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	PE/SA
10/18/2013	1	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	4	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-3	Scleractinian	*Solenastrea bournoni*	1	Y	6	0		1	PE
10/18/2013	1	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		0	
10/18/2013	1	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1						
10/18/2013	1	HBS4-CR	HBS4-CR-3	Scleractinian	*Stephanocoenia intercept*	1						
10/18/2013	1	HBS4-CR	HBS4-CR-3	Scleractinian	*Stephanocoenia intercept*	1						
10/18/2013	1	HBS4-CR	HBS4-CR-3	Scleractinian	*Solenastrea bournoni*	1						
10/18/2013	1	HBS4-CR	HBS4-CR-3	Scleractinian	*Siderastrea siderea*	2						
10/18/2013	1	HBS4-CR	HBS4-CR-3	Scleractinian	*Oculina diffusa*	1						
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Porites astreoides*	1	Y	1	0		1	M
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	2	0		1	PE
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	3	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	4	0		1	PE
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Colophyllia natans*	1	Y	6	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	7	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	8	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	9	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Siderastrea siderea*	1	Y	10	0		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1						
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Porites astreoides*	1						
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Siderastrea siderea*	1						
10/17/2013	1	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1						
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Montastraea cavernosa*	1	Y	1	1		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Montastraea cavernosa*	1	Y	2	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	3	1		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Montastraea cavernosa*	1	Y	4	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	7	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	8	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	9	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	10	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	3						
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Siderastrea siderea*	3						
10/17/2013	1	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Solenastrea bournoni*	1						
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Diploria clivosa*	1	Y	1	0		1	PE
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1	Y	4	1		1	PE
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Diploria clivosa*	1	Y	5	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Porites astreoides*	1	Y	6	1		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		1	PE
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Montastraea cavernosa*	1	Y	9	1		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1	Y	10	1		0	
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Dichocoenia stokesii*	3						
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Stephanocoenia intercept*	4						
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Solenastrea bournoni*	2						
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Siderastrea siderea*	1						
10/17/2013	1	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Porites porites*	1						

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/22/2013	2	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	1	1	PB	0	
10/22/2013	2	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	2	1	FB	1	FB
10/22/2013	2	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	3	0		0	
10/22/2013	2	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	4	0		1	SA
10/22/2013	2	HBN1-CR	HBN1-CR-1	Scleractinian	*Solenastrea bournoni*	1	Y	5	0		0	
10/22/2013	2	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	6	0		1	SA
10/22/2013	2	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	7	0		0	
10/22/2013	2	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	8	0		1	PB
10/22/2013	2	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	9	0		0	
10/22/2013	2	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea siderea*	1			1	PB		
10/22/2013	2	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea siderea*	7			0			
10/22/2013	2	HBN1-CR	HBN1-CR-2	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		1	PE
10/22/2013	2	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	2	0		1	SA
10/22/2013	2	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	3	0		0	
10/22/2013	2	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	4	0		0	
10/22/2013	2	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	5	0		1	PB
10/22/2013	2	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	6	0		0	
10/22/2013	2	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea siderea*	9			0			
10/22/2013	2	HBN1-CR	HBN1-CR-2	Scleractinian	*Eusmilia fastigiata*	1			0			
10/22/2013	2	HBN1-CR	HBN1-CR-3	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		1	PE
10/22/2013	2	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	2	0	SA	1	SA
10/22/2013	2	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	3	0		0	
10/22/2013	2	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	4	0		0	
10/22/2013	2	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	5	0		0	
10/22/2013	2	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	6	0		0	
10/22/2013	2	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	7	0		1	PB
10/22/2013	2	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea siderea*	1	Y	8	0		0	
10/22/2013	2	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea siderea*	7			0			
10/22/2013	2	HBN1-CR	HBN1-CR-3	Scleractinian	*Eusmilia fastigiata*	2			0			
10/22/2013	2	HBN2-CR	HBN2-CR-1	Scleractinian	*Porites astreoides*	1	Y	1	1	FB	1	M
10/22/2013	2	HBN2-CR	HBN2-CR-1	Scleractinian	*Porites astreoides*	1	Y	2	0		1	M
10/22/2013	2	HBN2-CR	HBN2-CR-1	Scleractinian	*Porites astreoides*	1	Y	3	0		1	FB

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/22/2013	2	HBN2-CR	HBN2-CR-1	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		0	
10/22/2013	2	HBN2-CR	HBN2-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	5	0		0	
10/22/2013	2	HBN2-CR	HBN2-CR-1	Scleractinian	*Siderastrea siderea*	8			0			
10/22/2013	2	HBN2-CR	HBN2-CR-2	Scleractinian	*Oculina diffusa*	1	Y	1	0		0	
10/22/2013	2	HBN2-CR	HBN2-CR-2	Scleractinian	*Porites astreoides*	1	Y	2	0		0	
10/22/2013	2	HBN2-CR	HBN2-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	3	1	FB	1	FB
10/22/2013	2	HBN2-CR	HBN2-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	4	0		0	
10/22/2013	2	HBN2-CR	HBN2-CR-2	Scleractinian	*Siderastrea siderea*	12			0			
10/22/2013	2	HBN2-CR	HBN2-CR-3	Scleractinian	*Solenastrea bournoni*	1	Y	1	1	FB	1	PD/SA
10/22/2013	2	HBN2-CR	HBN2-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	
10/22/2013	2	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	3	0		1	P
10/22/2013	2	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	4	0		1	FB
10/22/2013	2	HBN2-CR	HBN2-CR-3	Scleractinian	*Stephanocoenia intercept*	1	Y	5	0		1	PE/PB
10/22/2013	2	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	6	0		1	FB
10/22/2013	2	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea siderea*	5			0			
10/22/2013	2	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	1	1	UD	1	UD
10/22/2013	2	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	5	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-1	Scleractinian	*Porites astreoides*	1	Y	7	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	8	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-1	Scleractinian	*Dichocoenia stokesii*	2			0			
10/22/2013	2	HBN3-CP	HBN3-CP-1	Scleractinian	*Siderastrea siderea*	2			0			
10/22/2013	2	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	2			0			
10/22/2013	2	HBN3-CP	HBN3-CP-1	Scleractinian	*Stephanocoenia intercept*	2			0			
10/22/2013	2	HBN3-CP	HBN3-CP-1	Scleractinian	*Porites porites*	1			0			
10/22/2013	2	HBN3-CP	HBN3-CP-1	Scleractinian	*Porites astreoides*	1			0			
10/22/2013	2	HBN3-CP	HBN3-CP-1	Scleractinian	*Oculina diffusa*	1			0			
10/22/2013	2	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	1	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	2	0		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/22/2013	2	HBN3-CP	HBN3-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1	Y	4	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	5	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	6	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	7	0		1	PE
10/22/2013	2	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1	Y	8	0		1	M
10/22/2013	2	HBN3-CP	HBN3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	9	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1	Y	10	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-2	Scleractinian	*Montastraea cavernosa*	1			1	P		
10/22/2013	2	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	3						
10/22/2013	2	HBN3-CP	HBN3-CP-2	Scleractinian	*Stephanocoenia intercept*	1						
10/22/2013	2	HBN3-CP	HBN3-CP-2	Scleractinian	*Diploria clivosa*	1						
10/22/2013	2	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	2						
10/22/2013	2	HBN3-CP	HBN3-CP-2	Scleractinian	*Oculina diffusa*	2						
10/22/2013	2	HBN3-CP	HBN3-CP-3	Scleractinian	*Diploria clivosa*	1	Y	1	0		1	SA
10/22/2013	2	HBN3-CP	HBN3-CP-3	Scleractinian	*Oculina diffusa*	1	Y	2	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	UD
10/22/2013	2	HBN3-CP	HBN3-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-3	Scleractinian	*Oculina diffusa*	1	Y	7	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	8	0		1	M
10/22/2013	2	HBN3-CP	HBN3-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	9	0		0	
10/22/2013	2	HBN3-CP	HBN3-CP-3	Scleractinian	*Dichocoenia stokesii*	1			0			
10/22/2013	2	HBN3-CP	HBN3-CP-3	Scleractinian	*Siderastrea radians*	1			0			
10/22/2013	2	HBN3-CP	HBN3-CP-3	Scleractinian	*Siderastrea siderea*	2			0			
10/22/2013	2	HBN3-CP	HBN3-CP-3	Scleractinian	*Porites astreoides*	2			0			
10/22/2013	2	HBN3-CP	HBN3-CP-3	Scleractinian	*Oculina diffusa*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	1	0		0	
10/21/2013	2	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		1	PE
10/21/2013	2	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	3	1	PB	1	UD
10/21/2013	2	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	4	0		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/21/2013	2	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
10/21/2013	2	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	6	0		1	PE/UD
10/21/2013	2	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Siderastrea siderea*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Siderastrea siderea*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Oculina diffusa*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Oculina diffusa*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Porites porites*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Porites porites*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Porites porites*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		0	
10/21/2013	2	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	2	1	PB	1	PE/UD
10/21/2013	2	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	PE
10/21/2013	2	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1			1	B		
10/21/2013	2	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Oculina diffusa*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Porites porites*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1	Y	1	0		0	
10/21/2013	2	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	
10/21/2013	2	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	PE
10/21/2013	2	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1	Y	4	0		0	
10/21/2013	2	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
10/21/2013	2	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Siderastrea siderea*	1			1	P		
10/21/2013	2	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Solenastrea bournoni*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Siderastrea siderea*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Oculina diffusa*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Porites porites*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Porites porites*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Porites porites*	1			0			
10/21/2013	2	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Porites porites*	1			0			

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/21/2013	2	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Porites porites*	1			0			
10/21/2013	2	HBS1-CP	HBS1-CP-1	Scleractinian	*Diploria clivosa*	1	Y	1	0		0	
10/21/2013	2	HBS1-CP	HBS1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		1	PE
10/21/2013	2	HBS1-CP	HBS1-CP-1	Scleractinian	*Diploria clivosa*	1	Y	3	0		0	
10/21/2013	2	HBS1-CP	HBS1-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	4	0		0	
10/21/2013	2	HBS1-CP	HBS1-CP-1	Scleractinian	*Oculina diffusa*	1	Y	5	1	PB	1	PB
10/21/2013	2	HBS1-CP	HBS1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	6	0	M	0	
10/21/2013	2	HBS1-CP	HBS1-CP-1	Scleractinian	*Diploria clivosa*	1	Y	7	0		0	
10/21/2013	2	HBS1-CP	HBS1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	8	0		1	PE
10/21/2013	2	HBS1-CP	HBS1-CP-1	Scleractinian	*Stephanocoenia intercept*	1			0			
10/21/2013	2	HBS1-CP	HBS1-CP-1	Scleractinian	*Siderastrea siderea*	2			0			
10/21/2013	2	HBS1-CP	HBS1-CP-1	Scleractinian	*Montastraea cavernosa*	2			0			
10/21/2013	2	HBS1-CP	HBS1-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	1	0		0	
10/21/2013	2	HBS1-CP	HBS1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		1	PE
10/21/2013	2	HBS1-CP	HBS1-CP-2	Scleractinian	*Montastraea cavernosa*	1	Y	3	0		0	
10/21/2013	2	HBS1-CP	HBS1-CP-2	Scleractinian	*Orbicella faveolata*	1	Y	4	0		0	
10/21/2013	2	HBS1-CP	HBS1-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
10/21/2013	2	HBS1-CP	HBS1-CP-2	Scleractinian	*Siderastrea siderea*	1			0			
10/21/2013	2	HBS1-CP	HBS1-CP-2	Scleractinian	*Diploria clivosa*	1			0			
10/21/2013	2	HBS1-CP	HBS1-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		1	PE
10/21/2013	2	HBS1-CP	HBS1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	
10/21/2013	2	HBS1-CP	HBS1-CP-3	Scleractinian	*Montastraea cavernosa*	1	Y	3	0		1	PE
10/21/2013	2	HBS1-CP	HBS1-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	4	0		0	
10/21/2013	2	HBS1-CP	HBS1-CP-3	Scleractinian	*Diploria clivosa*	1	Y	5	0		0	
10/21/2013	2	HBS1-CP	HBS1-CP-3	Scleractinian	*Solenastrea bournoni*	1			1	PB		
10/22/2013	2	HBS2-CP	HBS2-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	1	0		0	
10/22/2013	2	HBS2-CP	HBS2-CP-1	Scleractinian	*Meandrina meandrites*	1	Y	2	0		0	
10/22/2013	2	HBS2-CP	HBS2-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	3	1	FB	1	PE/UD
10/22/2013	2	HBS2-CP	HBS2-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		1	PE
10/22/2013	2	HBS2-CP	HBS2-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	5	0		0	
10/22/2013	2	HBS2-CP	HBS2-CP-1	Scleractinian	*Dichocoenia stokesii*	1			0			
10/22/2013	2	HBS2-CP	HBS2-CP-1	Scleractinian	*Siderastrea siderea*	3			0			

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/22/2013	2	HBS2-CP	HBS2-CP-1	Scleractinian	*Solenastrea bournoni*	1			0			
10/22/2013	2	HBS2-CP	HBS2-CP-1	Scleractinian	*Stephanocoenia intercept*	1			0			
10/22/2013	2	HBS2-CP	HBS2-CP-1	Scleractinian	*Porites astreoides*	1			0			
10/22/2013	2	HBS2-CP	HBS2-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	1	0		0	
10/22/2013	2	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		0	
10/22/2013	2	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	3	1	UD	1	UD
10/22/2013	2	HBS2-CP	HBS2-CP-2	Scleractinian	*Stephanocoenia intercept*	1	Y	4	0		0	
10/22/2013	2	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	5	0		0	
10/22/2013	2	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	6	0		0	
10/22/2013	2	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	7	0		1	SA
10/22/2013	2	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	8	0		0	
10/22/2013	2	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	9	0		0	
10/22/2013	2	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	10	0		0	
10/22/2013	2	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1			0	PB		
10/22/2013	2	HBS2-CP	HBS2-CP-2	Scleractinian	*Dichocoenia stokesii*	1			0			
10/22/2013	2	HBS2-CP	HBS2-CP-2	Scleractinian	*Oculina diffusa*	1			0			
10/22/2013	2	HBS2-CP	HBS2-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		1	PE/SA
10/22/2013	2	HBS2-CP	HBS2-CP-3	Scleractinian	*Oculina diffusa*	1	Y	2	0		0	
10/22/2013	2	HBS2-CP	HBS2-CP-3	Scleractinian	*Oculina diffusa*	1	Y	3	0		0	
10/22/2013	2	HBS2-CP	HBS2-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	4	0		0	
10/22/2013	2	HBS2-CP	HBS2-CP-3	Scleractinian	*Stephanocoenia intercept*	1	Y	5	0		0	
10/22/2013	2	HBS2-CP	HBS2-CP-3	Scleractinian	*Stephanocoenia intercept*	1	Y	6	1	PB	1	PB
10/22/2013	2	HBS2-CP	HBS2-CP-3	Scleractinian	*Siderastrea siderea*	1			0			
10/22/2013	2	HBS2-CP	HBS2-CP-3	Scleractinian	*Solenastrea bournoni*	1			0			
10/22/2013	2	HBS2-CP	HBS2-CP-3	Scleractinian	*Stephanocoenia intercept*	1			0			
10/22/2013	2	HBS3-CP	HBS3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	1	1		1	PD
10/22/2013	2	HBS3-CP	HBS3-CP-1	Scleractinian	*Colophyllia natans*	1	Y	2	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-1	Scleractinian	*Meandrina meandrites*	1	Y	3	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-1	Scleractinian	*Meandrina meandrites*	1	Y	4	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-1	Scleractinian	*Meandrina meandrites*	1	Y	5	1		1	UPM
10/22/2013	2	HBS3-CP	HBS3-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	7	0		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/22/2013	2	HBS3-CP	HBS3-CP-1	Scleractinian	*Stephanocoenia intercepta*	1	Y	8	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	9	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-1	Scleractinian	*Stephanocoenia intercepta*	5			0			
10/22/2013	2	HBS3-CP	HBS3-CP-1	Scleractinian	*Montastraea cavernosa*	1			0			
10/22/2013	2	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	1	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-2	Scleractinian	*Oculina diffusa*	1	Y	2	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	3	0		1	SA
10/22/2013	2	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	4	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	5	1	UB	1	WP
10/22/2013	2	HBS3-CP	HBS3-CP-2	Scleractinian	*Meandrina meandrites*	1	Y	6	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-2	Scleractinian	*Stephanocoenia intercepta*	1	Y	8	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	9	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-2	Scleractinian	*Stephanocoenia intercepta*	1	Y	10	0		1	PE
10/22/2013	2	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1			0			
10/22/2013	2	HBS3-CP	HBS3-CP-2	Scleractinian	*Stephanocoenia intercepta*	7			0			
10/22/2013	2	HBS3-CP	HBS3-CP-2	Scleractinian	*Montastraea cavernosa*	1			0			
10/22/2013	2	HBS3-CP	HBS3-CP-3	Scleractinian	*Meandrina meandrites*	1	Y	1	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	2	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-3	Scleractinian	*Colophyllia natans*	1	Y	3	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-3	Scleractinian	*Meandrina meandrites*	1	Y	4	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	9	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	10	0		0	
10/22/2013	2	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1			0			
10/22/2013	2	HBS3-CP	HBS3-CP-3	Scleractinian	*Siderastrea siderea*	2			0			
10/22/2013	2	HBS3-CP	HBS3-CP-3	Scleractinian	*Stephanocoenia intercepta*	6			0			
10/22/2013	2	HBS3-CP	HBS3-CP-3	Scleractinian	*Oculina diffusa*	1			0			
10/22/2013	2	HBS4-CR	HBS4-CR-1	Scleractinian	*Meandrina meandrites*	1	Y	1	0		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/22/2013	2	HBS4-CR	HBS4-CR-1	Scleractinian	*Stephanocoenia intercept*	1	Y	2	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1	Y	3	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-1	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-1	Scleractinian	*Solenastrea bournoni*	1	Y	5	0		1	PE
10/22/2013	2	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-1	Scleractinian	*Oculina diffusa*	1	Y	9	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-1	Scleractinian	*Siderastrea siderea*	1			1	PB		
10/22/2013	2	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1			0			
10/22/2013	2	HBS4-CR	HBS4-CR-1	Scleractinian	*Siderastrea radians*	1			0			
10/22/2013	2	HBS4-CR	HBS4-CR-1	Scleractinian	*Siderastrea siderea*	1			0			
10/22/2013	2	HBS4-CR	HBS4-CR-1	Scleractinian	*Stephanocoenia intercept*	1			0			
10/22/2013	2	HBS4-CR	HBS4-CR-1	Scleractinian	*Oculina diffusa*	1			0			
10/22/2013	2	HBS4-CR	HBS4-CR-2	Scleractinian	*Oculina diffusa*	1	Y	1	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1	Y	3	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-2	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		1	PE
10/22/2013	2	HBS4-CR	HBS4-CR-2	Scleractinian	*Solenastrea bournoni*	1	Y	5	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-2	Scleractinian	*Siderastrea siderea*	1	Y	6	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1			0			
10/22/2013	2	HBS4-CR	HBS4-CR-2	Scleractinian	*Siderastrea siderea*	1			0			
10/22/2013	2	HBS4-CR	HBS4-CR-2	Scleractinian	*Stephanocoenia intercept*	2			0			
10/22/2013	2	HBS4-CR	HBS4-CR-2	Scleractinian	*Porites porites*	1			0			
10/22/2013	2	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	1	0		1	SA
10/22/2013	2	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-3	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	PE
10/22/2013	2	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	4	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-3	Scleractinian	*Solenastrea bournoni*	1	Y	6	0		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/22/2013	2	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
10/22/2013	2	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		1	SA
10/22/2013	2	HBS4-CR	HBS4-CR-3	Scleractinian	*Solenastrea bournoni*	1			1	PB		
10/22/2013	2	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1			0			
10/22/2013	2	HBS4-CR	HBS4-CR-3	Scleractinian	*Siderastrea siderea*	2			0			
10/22/2013	2	HBS4-CR	HBS4-CR-3	Scleractinian	*Solenastrea bournoni*	1			0			
10/22/2013	2	HBS4-CR	HBS4-CR-3	Scleractinian	*Oculina diffusa*	1			0			
10/21/2013	2	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Porites astreoides*	1	Y	1	0		1	M
10/21/2013	2	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	2	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	3	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	4	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Colophyllia natans*	1	Y	6	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	7	0		1	PE
10/21/2013	2	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	8	0		1	PE
10/21/2013	2	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	9	0		1	PE
10/21/2013	2	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Siderastrea siderea*	1	Y	10	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1			0			
10/21/2013	2	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Siderastrea radians*	1			0			
10/21/2013	2	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1			0			
10/21/2013	2	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Porites porites*	1			0			
10/21/2013	2	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Montastraea cavernosa*	1	Y	1	0		1	PE
10/21/2013	2	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Montastraea cavernosa*	1	Y	2	0		1	PE
10/21/2013	2	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	3	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Montastraea cavernosa*	1	Y	4	0		1	PE
10/21/2013	2	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	7	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	8	0		1	PE
10/21/2013	2	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	9	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	10	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Porites porites*	0			0			

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
10/21/2013	2	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	4			0			
10/21/2013	2	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Stephanocoenia intercept*	2			0			
10/21/2013	2	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Siderastrea siderea*	0			0			
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Diploria strigosa*	1	Y	1	0		1	SA
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		1	PE
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1	Y	4	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Diploria clivosa*	1	Y	5	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Porites astreoides*	1	Y	6	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Montastraea cavernosa*	1	Y	9	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1	Y	10	0		0	
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1			1	PB		
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Dichocoenia stokesii*	3			0			
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Stephanocoenia intercept*	4			0			
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Porites astreoides*	1			0			
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Solenastrea bournoni*	1			0			
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Siderastrea siderea*	1			0			
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Porites porites*	1			0			
10/21/2013	2	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Montastraea cavernosa*	1			0			
11/1/2013	3	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	1			1	BUR
11/1/2013	3	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	2	1		0	
11/1/2013	3	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	3	0		1	SA
11/1/2013	3	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	4	0		1	SA
11/1/2013	3	HBN1-CR	HBN1-CR-1	Scleractinian	*Solenastrea bournoni*	1	Y	5	0	SA	1	PBUR
11/1/2013	3	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	6	0		1	M
11/1/2013	3	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	7	0		0	
11/1/2013	3	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	8	0		0	
11/1/2013	3	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	9	0		0	
11/1/2013	3	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea siderea*	1			1	P		

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/1/2013	3	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBN1-CR	HBN1-CR-2	Scleractinian	*Solenastrea bournoni*	1	Y	1	0	SA	1	PE/PBUR
11/1/2013	3	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	2	0	SA	1	PBUR
11/1/2013	3	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	3	0		0	
11/1/2013	3	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	4	0		0	
11/1/2013	3	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	5	0		0	
11/1/2013	3	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	6	0		0	
11/1/2013	3	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea siderea*	1			1			
11/1/2013	3	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea siderea*	1			1			
11/1/2013	3	HBN1-CR	HBN1-CR-2	Scleractinian	*Solenastrea bournoni*	1			1			
11/1/2013	3	HBN1-CR	HBN1-CR-3	Scleractinian	*Solenastrea bournoni*	1	Y	1	0	SA	1	PBUR
11/1/2013	3	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	2	0	SA	1	PBUR
11/1/2013	3	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	3	0	SA	1	PBUR
11/1/2013	3	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	4	0		0	
11/1/2013	3	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	5	1	SA	1	PBUR
11/1/2013	3	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	6	0		1	PB
11/1/2013	3	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	7	0		0	
11/1/2013	3	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	8	0		0	
11/1/2013	3	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBN1-CR	HBN1-CR-3	Scleractinian	*Solenastrea bournoni*	1			0			
11/1/2013	3	HBN1-CR	HBN1-CR-3	Scleractinian	*Solenastrea bournoni*	1			0			
11/1/2013	3	HBN2-CR	HBN2-CR-1	Scleractinian	*Porites astreoides*	1	Y	1	1	FB	1	FB
11/1/2013	3	HBN2-CR	HBN2-CR-1	Scleractinian	*Porites astreoides*	1	Y	2	0	SED	1	SA
11/1/2013	3	HBN2-CR	HBN2-CR-1	Scleractinian	*Porites astreoides*	1	Y	3	0		1	FB
11/1/2013	3	HBN2-CR	HBN2-CR-1	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		1	PE

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/1/2013	3	HBN2-CR	HBN2-CR-1	Scleractinian	*Siderastrea siderea*	1	Y	5	0		0	
11/1/2013	3	HBN2-CR	HBN2-CR-1	Scleractinian	*Siderastrea siderea*	1			1	P		
11/1/2013	3	HBN2-CR	HBN2-CR-1	Scleractinian	*Siderastrea siderea*	4			0			
11/1/2013	3	HBN2-CR	HBN2-CR-2	Scleractinian	*Oculina diffusa*	1	Y	1	0		0	
11/1/2013	3	HBN2-CR	HBN2-CR-2	Scleractinian	*Porites astreoides*	1	Y	2	0		0	
11/1/2013	3	HBN2-CR	HBN2-CR-2	Scleractinian	*Siderastrea siderea*	1	Y	3	1	FB	1	FB
11/1/2013	3	HBN2-CR	HBN2-CR-2	Scleractinian	*Siderastrea siderea*	1	Y	4	0	SED	1	SA
11/1/2013	3	HBN2-CR	HBN2-CR-2	Scleractinian	*Porites astreoides*	1			0			
11/1/2013	3	HBN2-CR	HBN2-CR-3	Scleractinian	*Solenastrea bournoni*	1	Y	1	1	FB	1	FB
11/1/2013	3	HBN2-CR	HBN2-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	1	PB	0	
11/1/2013	3	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea siderea*	1	Y	3	0		1	P
11/1/2013	3	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea siderea*	1	Y	4	1	PB	1	SA
11/1/2013	3	HBN2-CR	HBN2-CR-3	Scleractinian	*Stephanocoenia intercept*	1	Y	5	0		1	PE/SA
11/1/2013	3	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	6	0		0	
11/1/2013	3	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea siderea*	-			-	-		
11/1/2013	3	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	1	1		1	UD
11/1/2013	3	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		1	PE
11/1/2013	3	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	PE
11/1/2013	3	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		0	
11/1/2013	3	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	5	0		0	
11/1/2013	3	HBN3-CP	HBN3-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
11/1/2013	3	HBN3-CP	HBN3-CP-1	Scleractinian	*Porites astreoides*	1	Y	7	0		1	SA
11/1/2013	3	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	8	1	UD	1	UD
11/1/2013	3	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1			1			
11/1/2013	3	HBN3-CP	HBN3-CP-1	Scleractinian	*Dichocoenia stokesii*	1			1	SED		
11/1/2013	3	HBN3-CP	HBN3-CP-1	Scleractinian	*Stephanocoenia intercept*	1			1	SED		
11/1/2013	3	HBN3-CP	HBN3-CP-1	Scleractinian	*Stephanocoenia intercept*	1			1	SED		
11/1/2013	3	HBN3-CP	HBN3-CP-1	Scleractinian	*Stephanocoenia intercept*	1			1	SED		
11/1/2013	3	HBN3-CP	HBN3-CP-1	Scleractinian	*Porites astreoides*	1			0			
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	1	1	SED	1	M
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	2	1	SED	1	M

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		0	
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1	Y	4	1		1	PB
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	5	1	SED	1	M/SA
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	6	0		0	
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	7	0		0	
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1	Y	8	0		0	
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	9	1		0	
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1	Y	10	1	SED	1	SA
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Stephanocoenia intercepta*	1			1	SED		
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Dichocoenia stokesii*	1			0			
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Dichocoenia stokesii*	1			0			
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Dichocoenia stokesii*	1			0			
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Dichocoenia stokesii*	1			0			
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Dichocoenia stokesii*	1			0			
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Solenastrea bournoni*	1			0			
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Montastraea cavernosa*	1			0			
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1			0			
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1			0			
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Oculina diffusa*	1			0			
11/1/2013	3	HBN3-CP	HBN3-CP-2	Scleractinian	*Oculina diffusa*	1			0			
11/1/2013	3	HBN3-CP	HBN3-CP-3	Scleractinian	*Diploria clivosa*	1	Y	1	0		1	SA
11/1/2013	3	HBN3-CP	HBN3-CP-3	Scleractinian	*Oculina diffusa*	1	Y	2	0		0	
11/1/2013	3	HBN3-CP	HBN3-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	3	1	SO	1	UD
11/1/2013	3	HBN3-CP	HBN3-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		0	
11/1/2013	3	HBN3-CP	HBN3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
11/1/2013	3	HBN3-CP	HBN3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
11/1/2013	3	HBN3-CP	HBN3-CP-3	Scleractinian	*Oculina diffusa*	1	Y	7	0		0	
11/1/2013	3	HBN3-CP	HBN3-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	8	1	SED	1	SA
11/1/2013	3	HBN3-CP	HBN3-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	9	1	SED	1	SA
11/1/2013	3	HBN3-CP	HBN3-CP-3	Scleractinian	*Siderastrea siderea*	1			0	SED		

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/1/2013	3	HBN3-CP	HBN3-CP-3	Scleractinian	*Siderastrea siderea*	1			1	SED		
11/1/2013	3	HBN3-CP	HBN3-CP-3	Scleractinian	*Porites astreoides*	1			0			
11/1/2013	3	HBN3-CP	HBN3-CP-3	Scleractinian	*Porites astreoides*	1			1			
11/1/2013	3	HBN3-CP	HBN3-CP-3	Scleractinian	*Dichocoenia stokesii*	5			0			
11/1/2013	3	HBN3-CP	HBN3-CP-3	Scleractinian	*Porites astreoides*	7			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	1	1		0	
11/1/2013	3	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		0	
11/1/2013	3	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	3	1		1	UD
11/1/2013	3	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	4	1		0	
11/1/2013	3	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
11/1/2013	3	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	6	0		1	UD/PE
11/1/2013	3	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Siderastrea siderea*	1			1	B		
11/1/2013	3	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Siderastrea siderea*	1			1	SED		
11/1/2013	3	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Siderastrea siderea*	1			1	B		
11/1/2013	3	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Porites porites*	1			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Oculina diffusa*	2			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		0	
11/1/2013	3	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		1	UD
11/1/2013	3	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	3	1	SO	1	PE
11/1/2013	3	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Siderastrea siderea*	3			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Stephanocoenia intercept*	1			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Porites porites*	1			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Porites porites*	1			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Oculina diffusa*	1			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Oculina diffusa*	1			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1	Y	1	1	SED	1	PE
11/1/2013	3	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/1/2013	3	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	PE
11/1/2013	3	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1	Y	4	0		0	
11/1/2013	3	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
11/1/2013	3	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Siderastrea siderea*	3			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Porites porites*	1			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Porites porites*	2			0			
11/1/2013	3	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Porites porites*	1			0			
11/1/2013	3	HBS1-CP	HBS1-CP-1	Scleractinian	*Diploria clivosa*	1	Y	1	0		0	
11/1/2013	3	HBS1-CP	HBS1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		0	
11/1/2013	3	HBS1-CP	HBS1-CP-1	Scleractinian	*Diploria strigosa*	1	Y	3	0		0	
11/1/2013	3	HBS1-CP	HBS1-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	4	0		0	
11/1/2013	3	HBS1-CP	HBS1-CP-1	Scleractinian	*Oculina diffusa*	1	Y	5	0	SED	0	
11/1/2013	3	HBS1-CP	HBS1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	6	1	M	1	PE
11/1/2013	3	HBS1-CP	HBS1-CP-1	Scleractinian	*Diploria clivosa*	1	Y	7	0	SED	1	SA
11/1/2013	3	HBS1-CP	HBS1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	8	0	SED	1	PE/SA
11/1/2013	3	HBS1-CP	HBS1-CP-1	Scleractinian	*Siderastrea siderea*	1			1	M		
11/1/2013	3	HBS1-CP	HBS1-CP-1	Scleractinian	*Siderastrea siderea*	1			1	P		
11/1/2013	3	HBS1-CP	HBS1-CP-1	Scleractinian	*Dichocoenia stokesii*	2			0			
11/1/2013	3	HBS1-CP	HBS1-CP-1	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBS1-CP	HBS1-CP-1	Scleractinian	*Solenastrea bournoni*	0			0			
11/1/2013	3	HBS1-CP	HBS1-CP-1	Scleractinian	*Montastraea cavernosa*	0			0			
11/1/2013	3	HBS1-CP	HBS1-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	1	0		0	
11/1/2013	3	HBS1-CP	HBS1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		1	PE
11/1/2013	3	HBS1-CP	HBS1-CP-2	Scleractinian	*Montastraea cavernosa*	1	Y	3	0		0	
11/1/2013	3	HBS1-CP	HBS1-CP-2	Scleractinian	*Orbicella faveolata*	1	Y	4	0		0	
11/1/2013	3	HBS1-CP	HBS1-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
11/1/2013	3	HBS1-CP	HBS1-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		1	PE
11/1/2013	3	HBS1-CP	HBS1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	
11/1/2013	3	HBS1-CP	HBS1-CP-3	Scleractinian	*Montastraea cavernosa*	1	Y	3	0		0	
11/1/2013	3	HBS1-CP	HBS1-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	4	0		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/1/2013	3	HBS1-CP	HBS1-CP-3	Scleractinian	*Diploria clivosa*	1	Y	5	0		0	
11/1/2013	3	HBS1-CP	HBS1-CP-3	Scleractinian	*Siderastrea siderea*	1			0			
11/1/2013	3	HBS1-CP	HBS1-CP-3	Scleractinian	*Solenastrea bournoni*	1			0			
11/2/2013	3	HBS2-CP	HBS2-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	1	0		0	
11/2/2013	3	HBS2-CP	HBS2-CP-1	Scleractinian	*Meandrina meandrites*	1	Y	2	0		1	SA
11/2/2013	3	HBS2-CP	HBS2-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	PE
11/2/2013	3	HBS2-CP	HBS2-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		0	
11/2/2013	3	HBS2-CP	HBS2-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	5	0		0	
11/2/2013	3	HBS2-CP	HBS2-CP-1	Scleractinian	-			6	-		-	
11/2/2013	3	HBS2-CP	HBS2-CP-1	Scleractinian	-			7	-		-	
11/2/2013	3	HBS2-CP	HBS2-CP-1	Scleractinian	-			8	-		-	
11/2/2013	3	HBS2-CP	HBS2-CP-1	Scleractinian	-			9	-		-	
11/2/2013	3	HBS2-CP	HBS2-CP-1	Scleractinian	-			10	-		-	
11/2/2013	3	HBS2-CP	HBS2-CP-1	Scleractinian	*Dichocoenia stokesii*	1			0			
11/2/2013	3	HBS2-CP	HBS2-CP-1	Scleractinian	*Stephanocoenia intercept*	1			0			
11/2/2013	3	HBS2-CP	HBS2-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	1	0		1	SA
11/2/2013	3	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	2	1	M	1	M
11/2/2013	3	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	UD
11/2/2013	3	HBS2-CP	HBS2-CP-2	Scleractinian	*Stephanocoenia intercept*	1	Y	4	0		0	
11/2/2013	3	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	5	0		1	PE/SA
11/2/2013	3	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	6	0		1	SA
11/2/2013	3	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	8	1	M	1	M/SA
11/2/2013	3	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	8	0		1	SA
11/2/2013	3	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	9	0		0	
11/2/2013	3	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	10	0		0	
11/2/2013	3	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1			1	PB		
11/2/2013	3	HBS2-CP	HBS2-CP-2	Scleractinian	*Dichocoenia stokesii*	1			0			
11/2/2013	3	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	2			0			
11/2/2013	3	HBS2-CP	HBS2-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		0	
11/2/2013	3	HBS2-CP	HBS2-CP-3	Scleractinian	*Oculina diffusa*	1	Y	3	0		0	
11/2/2013	3	HBS2-CP	HBS2-CP-3	Scleractinian	*Oculina diffusa*	1	Y	4	0		0	
11/2/2013	3	HBS2-CP	HBS2-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	4	0		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/2/2013	3	HBS2-CP	HBS2-CP-3	Scleractinian	*Stephanocoenia intercepta*	1	Y	5	0		0	
11/2/2013	3	HBS2-CP	HBS2-CP-3	Scleractinian	*Stephanocoenia intercepta*	1	Y	6	1		1	PB
11/1/2013	3	HBS3-CP	HBS3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	1	1		1	PD
11/1/2013	3	HBS3-CP	HBS3-CP-1	Scleractinian	*Colophyllia natans*	1	Y	2	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-1	Scleractinian	*Meandrina meandrites*	1	Y	3	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-1	Scleractinian	*Meandrina meandrites*	1	Y	4	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-1	Scleractinian	*Meandrina meandrites*	1	Y	5	1		1	UPM
11/1/2013	3	HBS3-CP	HBS3-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	6	1		0	
11/1/2013	3	HBS3-CP	HBS3-CP-1	Scleractinian	*Stephanocoenia intercepta*	1	Y	7	1		1	PE
11/1/2013	3	HBS3-CP	HBS3-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-1	Scleractinian	*Stephanocoenia intercepta*	1	Y	9	1	UB	0	
11/1/2013	3	HBS3-CP	HBS3-CP-1	Scleractinian	*Stephanocoenia intercepta*	1			1			
11/1/2013	3	HBS3-CP	HBS3-CP-1	Scleractinian	*Stephanocoenia intercepta*	1			0			
11/1/2013	3	HBS3-CP	HBS3-CP-1	Scleractinian	*Stephanocoenia intercepta*	1			0			
11/1/2013	3	HBS3-CP	HBS3-CP-1	Scleractinian	*Oculina diffusa*	1			0	SED		
11/1/2013	3	HBS3-CP	HBS3-CP-1	Scleractinian	*Oculina diffusa*	1			1	SED		
11/1/2013	3	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	1	0		1	PE
11/1/2013	3	HBS3-CP	HBS3-CP-2	Scleractinian	*Oculina diffusa*	1	Y	2	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	3	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	4	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	5	1	WP	1	WP
11/1/2013	3	HBS3-CP	HBS3-CP-2	Scleractinian	*Meandrina meandrites*	1	Y	6	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-2	Scleractinian	*Stephanocoenia intercepta*	1	Y	8	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	9	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-2	Scleractinian	*Stephanocoenia intercepta*	1	Y	10	0		1	PE
11/1/2013	3	HBS3-CP	HBS3-CP-2	Scleractinian	*Siderastrea siderea*	1			1			
11/1/2013	3	HBS3-CP	HBS3-CP-2	Scleractinian	*Stephanocoenia intercepta*	1			1	SED		
11/1/2013	3	HBS3-CP	HBS3-CP-2	Scleractinian	*Stephanocoenia intercepta*	1			0			
11/1/2013	3	HBS3-CP	HBS3-CP-2	Scleractinian	*Stephanocoenia intercepta*	1			1	SED		
11/1/2013	3	HBS3-CP	HBS3-CP-2	Scleractinian	*Stephanocoenia intercepta*	1			1	SED		
11/1/2013	3	HBS3-CP	HBS3-CP-2	Scleractinian	*Stephanocoenia intercepta*	1			0			

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Meandrina meandrites*	1	Y	1	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	2	1		1	M
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Colophyllia natans*	1	Y	3	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Meandrina meandrites*	1	Y	4	0		1	PE
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		0	
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	9	1		0	
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	10			0	
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Stephanocoenia intercepta*	1			1	SED		
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Stephanocoenia intercepta*	1			1	SED		
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Stephanocoenia intercepta*	1			1	SED		
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1			0			
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1			0			
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Porites astreoides*	1			0			
11/1/2013	3	HBS3-CP	HBS3-CP-3	Scleractinian	*Solenastrea bournoni*	1			0			
11/1/2013	3	HBS4-CR	HBS4-CR-1	Scleractinian	*Meandrina meandrites*	1	Y	1	0	PE	0	
11/1/2013	3	HBS4-CR	HBS4-CR-1	Scleractinian	*Stephanocoenia intercepta*	1	Y	2	0		0	
11/1/2013	3	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1	Y	3	0		0	
11/1/2013	3	HBS4-CR	HBS4-CR-1	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		0	
11/1/2013	3	HBS4-CR	HBS4-CR-1	Scleractinian	*Solenastrea bournoni*	1	Y	5	0		1	PE
11/1/2013	3	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
11/1/2013	3	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		1	SA
11/1/2013	3	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		0	
11/1/2013	3	HBS4-CR	HBS4-CR-1	Scleractinian	*Oculina diffusa*	1	Y	9	0		0	
11/1/2013	3	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1			1	PB		
11/1/2013	3	HBS4-CR	HBS4-CR-1	Scleractinian	*Siderastrea siderea*	2			0			
11/1/2013	3	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	2			0			
11/1/2013	3	HBS4-CR	HBS4-CR-1	Scleractinian	*Stephanocoenia intercepta*	2			0			
11/1/2013	3	HBS4-CR	HBS4-CR-2	Scleractinian	*Oculina diffusa*	1	Y	1	0		0	
11/1/2013	3	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0	SED	0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/1/2013	3	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1	Y	3	0		0	
11/1/2013	3	HBS4-CR	HBS4-CR-2	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		1	PE
11/1/2013	3	HBS4-CR	HBS4-CR-2	Scleractinian	*Solenastrea bournoni*	1	Y	5	1	M	1	PE
11/1/2013	3	HBS4-CR	HBS4-CR-2	Scleractinian	*Siderastrea siderea*	1	Y	6	1	M	1	M
11/1/2013	3	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0	SED	0	
11/1/2013	3	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0	SED	0	
11/1/2013	3	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	3			0			
11/1/2013	3	HBS4-CR	HBS4-CR-2	Scleractinian	*Siderastrea siderea*	2			0			
11/1/2013	3	HBS4-CR	HBS4-CR-2	Scleractinian	*Solenastrea bournoni*	1			0			
11/1/2013	3	HBS4-CR	HBS4-CR-2	Scleractinian	*Stephanocoenia intercept*	1			0			
11/1/2013	3	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	1	0		0	
11/1/2013	3	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	
11/1/2013	3	HBS4-CR	HBS4-CR-3	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		0	
11/1/2013	3	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	4	1	PB	1	PB
11/1/2013	3	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
11/1/2013	3	HBS4-CR	HBS4-CR-3	Scleractinian	*Solenastrea bournoni*	1	Y	6	0		1	SA
11/1/2013	3	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
11/1/2013	3	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		1	SA
11/1/2013	3	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1			0			
11/1/2013	3	HBS4-CR	HBS4-CR-3	Scleractinian	*Solenastrea bournoni*	4			0			
11/1/2013	3	HBS4-CR	HBS4-CR-3	Scleractinian	*Stephanocoenia intercept*	1			0			
11/1/2013	3	HBS4-CR	HBS4-CR-3	Scleractinian	*Oculina diffusa*	1			0			
11/1/2013	3	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Porites astreoides*	1	Y	1	1		1	FB
11/1/2013	3	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	2	0	PE	1	PE
11/1/2013	3	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	3	0		0	
11/1/2013	3	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	4	0	PE	0	
11/1/2013	3	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
11/1/2013	3	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Diploria strigosa*	1	Y	6	0		0	
11/1/2013	3	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	7	0	PE	1	PE
11/1/2013	3	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	8	0	PE	1	PE
11/1/2013	3	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	9	0	SED	1	PE
11/1/2013	3	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Siderastrea siderea*	1	Y	10	0		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/1/2013	3	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Montastraea cavernosa*	1	Y	1	0	PE	1	PE
11/1/2013	3	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Montastraea cavernosa*	1	Y	2	0		1	PE
11/1/2013	3	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	3	0		0	
11/1/2013	3	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Montastraea cavernosa*	1	Y	4	0		1	PE
11/1/2013	3	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		1	PE/SA
11/1/2013	3	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
11/1/2013	3	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	7	1		1	M
11/1/2013	3	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	8	0		0	
11/1/2013	3	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	9	0		0	
11/1/2013	3	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	10	1		0	
11/1/2013	3	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	1			0			
11/1/2013	3	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	2			0			
11/1/2013	3	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Stephanocoenia intercept*	3			0			
11/1/2013	3	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Porites astreoides*	1			0			
11/1/2013	3	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Diploria strigosa*	1	Y	1	0		1	SA
11/1/2013	3	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0	PE	1	PE
11/1/2013	3	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		0	
11/1/2013	3	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1	Y	4	0		0	
11/1/2013	3	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Diploria clivosa*	1	Y	5	0		0	
11/1/2013	3	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Porites astreoides*	1	Y	6	1		0	
11/1/2013	3	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
11/1/2013	3	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		0	
11/1/2013	3	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Montastraea cavernosa*	1	Y	9	0		1	PE
11/1/2013	3	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1	Y	10	1	PB	0	
11/1/2013	3	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Siderastrea siderea*	1			1	PB		
11/1/2013	3	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Solenastrea bournoni*	1			1	PB		
11/1/2013	3	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Stephanocoenia intercept*	3			0			
11/1/2013	3	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1			0			
11/1/2013	3	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1			0			
11/1/2013	3	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Solenastrea bournoni*	1			0			
11/7/2013	4	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	1	0		1	BUR
11/7/2013	4	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	2			1	BUR

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/7/2013	4	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	3			-	
11/7/2013	4	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	4			1	BUR
11/7/2013	4	HBN1-CR	HBN1-CR-1	Scleractinian	*Solenastrea bournoni*	1	Y	5			1	BUR
11/7/2013	4	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	6			1	BUR
11/7/2013	4	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	7			1	BUR
11/7/2013	4	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	8			-	
11/7/2013	4	HBN1-CR	HBN1-CR-1	Scleractinian	*Siderastrea sp.*	1	Y	9			-	
11/7/2013	4	HBN1-CR	HBN1-CR-2	Scleractinian	*Solenastrea bournoni*	1	Y	1			1	BUR
11/7/2013	4	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	2			1	BUR
11/7/2013	4	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	3			-	
11/7/2013	4	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	4			-	
11/7/2013	4	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	5			1	BUR
11/7/2013	4	HBN1-CR	HBN1-CR-2	Scleractinian	*Siderastrea sp.*	1	Y	6			1	PBUR
11/7/2013	4	HBN1-CR	HBN1-CR-3	Scleractinian	*Solenastrea bournoni*	1	Y	1			1	PE/PBUR
11/7/2013	4	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	2			1	BUR
11/7/2013	4	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	3			-	
11/7/2013	4	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	4			-	
11/7/2013	4	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	5			-	
11/7/2013	4	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	6			-	
11/7/2013	4	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	7			-	
11/7/2013	4	HBN1-CR	HBN1-CR-3	Scleractinian	*Siderastrea sp.*	1	Y	8			1	BUR
11/7/2013	4	HBN2-CR	HBN2-CR-1	Scleractinian	*Porites astreoides*	1	Y	1	0		0	
11/7/2013	4	HBN2-CR	HBN2-CR-1	Scleractinian	*Porites astreoides*	1	Y	2	0		0	
11/7/2013	4	HBN2-CR	HBN2-CR-1	Scleractinian	*Porites astreoides*	1	Y	3	1	M	1	M
11/7/2013	4	HBN2-CR	HBN2-CR-1	Scleractinian	*Solenastrea bournoni*	1	Y	4	0	SED	1	PE/SA
11/7/2013	4	HBN2-CR	HBN2-CR-1	Scleractinian	*Siderastrea siderea*	1	Y	5	0	SED	0	
11/7/2013	4	HBN2-CR	HBN2-CR-2	Scleractinian	*Oculina diffusa*	1	Y	1	0		0	
11/7/2013	4	HBN2-CR	HBN2-CR-2	Scleractinian	*Porites astreoides*	1	Y	2	0	SED	0	
11/7/2013	4	HBN2-CR	HBN2-CR-2	Scleractinian	*Siderastrea siderea*	1	Y	3	1		1	PD
11/7/2013	4	HBN2-CR	HBN2-CR-2	Scleractinian	*Siderastrea siderea*	1	Y	4	0	SED	0	
11/7/2013	4	HBN2-CR	HBN2-CR-2	Scleractinian	*Siderastrea siderea*	2			0			
11/7/2013	4	HBN2-CR	HBN2-CR-2	Scleractinian	*Porites astreoides*	1			0			

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/7/2013	4	HBN2-CR	HBN2-CR-3	Scleractinian	*Solenastrea bournoni*	1	Y	1	1		1	PD
11/7/2013	4	HBN2-CR	HBN2-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	
11/7/2013	4	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea siderea*	1	Y	3	0		1	P
11/7/2013	4	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea siderea*	-	Y	4	-	-	-	
11/7/2013	4	HBN2-CR	HBN2-CR-3	Scleractinian	*Stephanocoenia intercept*	1	Y	5	0	SED	1	PE/SA
11/7/2013	4	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea siderea*	1	Y	6	0	SED	0	
11/7/2013	4	HBN2-CR	HBN2-CR-3	Scleractinian	*Siderastrea siderea*	1			0	SED		
11/7/2013	4	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		1	UD
11/7/2013	4	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		0	
11/7/2013	4	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	3	0	SED	1	SA
11/7/2013	4	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	4	0	SED	1	SA
11/7/2013	4	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	5	0		1	SA
11/7/2013	4	HBN3-CP	HBN3-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0	SO	1	SA
11/7/2013	4	HBN3-CP	HBN3-CP-1	Scleractinian	*Porites astreoides*	1	Y	7	0	SED	1	SA
11/7/2013	4	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	8	0	SED	0	
11/7/2013	4	HBN3-CP	HBN3-CP-1	Scleractinian	*Siderastrea siderea*	1			1	P		
11/7/2013	4	HBN3-CP	HBN3-CP-1	Scleractinian	*Porites astreoides*	1			0	SED		
11/7/2013	4	HBN3-CP	HBN3-CP-1	Scleractinian	*Stephanocoenia intercept*	1			0	SED		
11/7/2013	4	HBN3-CP	HBN3-CP-1	Scleractinian	*Dichocoenia stokesii*	1			0			
11/7/2013	4	HBN3-CP	HBN3-CP-1	Scleractinian	*Siderastrea siderea*	2			0			
11/7/2013	4	HBN3-CP	HBN3-CP-1	Scleractinian	*Solenastrea bournoni*	1			0			
11/7/2013	4	HBN3-CP	HBN3-CP-1	Scleractinian	*Stephanocoenia intercept*	1			0			
11/7/2013	4	HBN3-CP	HBN3-CP-1	Scleractinian	*Porites astreoides*	1			0			
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	1	0	SED	0	
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	2	1	M	0	
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	3	0	SED	1	SA
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1	Y	4	1	M	1	M
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	5	0	SED	1	SA
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	6	0	SED	1	SA
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	7	0	SED	0	
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1	Y	8	0		0	
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	9	0	SED	0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1	Y	10	0	SED	0	
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1			1	M		
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Siderastrea siderea*	1			0	SED		
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Stephanocoenia intercept*	1			0	SED		
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Dichocoenia stokesii*	1			0			
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Montastraea cavernosa*	1			0			
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Porites astreoides*	1			0			
11/7/2013	4	HBN3-CP	HBN3-CP-2	Scleractinian	*Oculina diffusa*	1			0			
11/7/2013	4	HBN3-CP	HBN3-CP-3	Scleractinian	*Diploria clivosa*	1	Y	1	0		1	SA
11/7/2013	4	HBN3-CP	HBN3-CP-3	Scleractinian	*Oculina diffusa*	1	Y	2	0		0	
11/7/2013	4	HBN3-CP	HBN3-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		0	
11/7/2013	4	HBN3-CP	HBN3-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		1	SA
11/7/2013	4	HBN3-CP	HBN3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		1	SA
11/7/2013	4	HBN3-CP	HBN3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		1	SA
11/7/2013	4	HBN3-CP	HBN3-CP-3	Scleractinian	*Oculina diffusa*	1	Y	7	0		0	
11/7/2013	4	HBN3-CP	HBN3-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	8	0		0	
11/7/2013	4	HBN3-CP	HBN3-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	9	0		0	
11/7/2013	4	HBN3-CP	HBN3-CP-3	Scleractinian	*Dichocoenia stokesii*	2			0			
11/7/2013	4	HBN3-CP	HBN3-CP-3	Scleractinian	*Siderastrea siderea*	3			0			
11/7/2013	4	HBN3-CP	HBN3-CP-3	Scleractinian	*Porites astreoides*	1			0			
11/7/2013	4	HBN3-CP	HBN3-CP-3	Scleractinian	*Oculina diffusa*	1			0			
11/12/2013	4	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	1	0		0	
11/12/2013	4	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		1	PE/UD
11/12/2013	4	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	3	1	UD	1	PE/UD
11/12/2013	4	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	4	0		0	
11/12/2013	4	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
11/12/2013	4	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	6	0		1	PE/UD
11/12/2013	4	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Siderastrea siderea*	6			1	P		
11/12/2013	4	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Siderastrea siderea*	2			1	PB		
11/12/2013	4	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1			0			
11/12/2013	4	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Siderastrea siderea*	7			0			
11/12/2013	4	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Solenastrea bournoni*	1			0			

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/12/2013	4	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Porites porites*	1			0			
11/12/2013	4	HBNC1-CP	HBNC1-CP-1	Scleractinian	*Oculina diffusa*	1			0			
11/12/2013	4	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		1	UD
11/12/2013	4	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	2	1	B	1	PE/UD
11/12/2013	4	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	PE
11/12/2013	4	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Siderastrea siderea*	1			1	B		
11/12/2013	4	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Siderastrea siderea*	1			1	P		
11/12/2013	4	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Siderastrea siderea*	1			1	PB		
11/12/2013	4	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	1			1	PB		
11/12/2013	4	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Siderastrea siderea*	6			0			
11/12/2013	4	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Solenastrea bournoni*	2			0			
11/12/2013	4	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Stephanocoenia intercept*	1			0			
11/12/2013	4	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Porites porites*	2			0			
11/12/2013	4	HBNC1-CP	HBNC1-CP-2	Scleractinian	*Oculina diffusa*	1			0			
11/12/2013	4	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1	Y	1	0	SED	1	SA
11/12/2013	4	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	sed dust
11/12/2013	4	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	PE
11/12/2013	4	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1	Y	4	0	SED	1	PE/PD
11/12/2013	4	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0	SED	0	
11/12/2013	4	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Solenastrea bournoni*	1			1	SED		
11/12/2013	4	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Stephanocoenia intercept*	1			1	SED		
11/12/2013	4	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Siderastrea radians*	1			0			
11/12/2013	4	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Siderastrea siderea*	5			0			
11/12/2013	4	HBNC1-CP	HBNC1-CP-3	Scleractinian	*Porites porites*	1			0			
11/7/2013	4	HBS1-CP	HBS1-CP-1	Scleractinian	*Diploria clivosa*	1	Y	1	0		0	
11/7/2013	4	HBS1-CP	HBS1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		0	
11/7/2013	4	HBS1-CP	HBS1-CP-1	Scleractinian	*Diploria strigosa*	1	Y	3	0		0	
11/7/2013	4	HBS1-CP	HBS1-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	4	0		0	
11/7/2013	4	HBS1-CP	HBS1-CP-1	Scleractinian	*Oculina diffusa*	1	Y	5	0		0	
11/7/2013	4	HBS1-CP	HBS1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	6	0	SED	0	
11/7/2013	4	HBS1-CP	HBS1-CP-1	Scleractinian	*Diploria clivosa*	1	Y	7	0	SED	1	PE
11/7/2013	4	HBS1-CP	HBS1-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	8	0		1	PE

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/7/2013	4	HBS1-CP	HBS1-CP-1	Scleractinian	*Siderastrea siderea*	1			0	SED		
11/7/2013	4	HBS1-CP	HBS1-CP-1	Scleractinian	*Siderastrea siderea*	1			0			
11/7/2013	4	HBS1-CP	HBS1-CP-1	Scleractinian	*Montastraea cavernosa*	1			0			
11/7/2013	4	HBS1-CP	HBS1-CP-1	Scleractinian	*Porites astreoides*	1			0			
11/7/2013	4	HBS1-CP	HBS1-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	1	0		0	
11/7/2013	4	HBS1-CP	HBS1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		1	PE/SA
11/7/2013	4	HBS1-CP	HBS1-CP-2	Scleractinian	*Montastraea cavernosa*	1	Y	3	0		0	
11/7/2013	4	HBS1-CP	HBS1-CP-2	Scleractinian	*Orbicella faveolata*	1	Y	4	0		0	
11/7/2013	4	HBS1-CP	HBS1-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
11/7/2013	4	HBS1-CP	HBS1-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		1	PE
11/7/2013	4	HBS1-CP	HBS1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	
11/7/2013	4	HBS1-CP	HBS1-CP-3	Scleractinian	*Montastraea cavernosa*	1	Y	3	0		1	PE
11/7/2013	4	HBS1-CP	HBS1-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	4	0		0	
11/7/2013	4	HBS1-CP	HBS1-CP-3	Scleractinian	*Diploria clivosa*	1	Y	5	0		1	SA
11/7/2013	4	HBS1-CP	HBS1-CP-3	Scleractinian	*Siderastrea siderea*	1			0			
11/7/2013	4	HBS1-CP	HBS1-CP-3	Scleractinian	*Siderastrea siderea*	1			0			
11/7/2013	4	HBS2-CP	HBS2-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	1	0		0	
11/7/2013	4	HBS2-CP	HBS2-CP-1	Scleractinian	*Meandrina meandrites*	1	Y	2	0		0	
11/7/2013	4	HBS2-CP	HBS2-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	PE/SA
11/7/2013	4	HBS2-CP	HBS2-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		1	PE/SA
11/7/2013	4	HBS2-CP	HBS2-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	5	0		0	
11/7/2013	4	HBS2-CP	HBS2-CP-1	Scleractinian	-		Y	6	-		-	
11/7/2013	4	HBS2-CP	HBS2-CP-1	Scleractinian	-		Y	7	-		-	
11/7/2013	4	HBS2-CP	HBS2-CP-1	Scleractinian	-		Y	8	-		-	
11/7/2013	4	HBS2-CP	HBS2-CP-1	Scleractinian	-		Y	9	-		-	
11/7/2013	4	HBS2-CP	HBS2-CP-1	Scleractinian	-		Y	10	-		-	
11/7/2013	4	HBS2-CP	HBS2-CP-1	Scleractinian	*Solenastrea bournoni*	1			0-1			
11/7/2013	4	HBS2-CP	HBS2-CP-1	Scleractinian	*Siderastrea siderea*	1			0			
11/7/2013	4	HBS2-CP	HBS2-CP-1	Scleractinian	*Stephanocoenia intercept*	2			0			
11/7/2013	4	HBS2-CP	HBS2-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	1	0		0	
11/7/2013	4	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	2	0		0	
11/7/2013	4	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	UD

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/7/2013	4	HBS2-CP	HBS2-CP-2	Scleractinian	*Stephanocoenia intercepta*	1	Y	4	0		0	
11/7/2013	4	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	5	0		1	SA
11/7/2013	4	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	6	0		0	
11/7/2013	4	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	7	0		1	SA
11/7/2013	4	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	8	0		1	SA
11/7/2013	4	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	9	0		1	PE
11/7/2013	4	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	10	0		1	PE
11/7/2013	4	HBS2-CP	HBS2-CP-2	Scleractinian	*Dichocoenia stokesii*	1			0			
11/7/2013	4	HBS2-CP	HBS2-CP-2	Scleractinian	*Siderastrea siderea*	1			0			
11/7/2013	4	HBS2-CP	HBS2-CP-2	Scleractinian	*Siderastrea siderea*	1			0			
11/7/2013	4	HBS2-CP	HBS2-CP-2	Scleractinian	*Solenastrea bournoni*	2			0			
11/7/2013	4	HBS2-CP	HBS2-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	1	0		1	SA
11/7/2013	4	HBS2-CP	HBS2-CP-3	Scleractinian	*Oculina diffusa*	1	Y	2	0		0	
11/7/2013	4	HBS2-CP	HBS2-CP-3	Scleractinian	*Oculina diffusa*	1	Y	3	0		0	
11/7/2013	4	HBS2-CP	HBS2-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	4	0		0	
11/7/2013	4	HBS2-CP	HBS2-CP-3	Scleractinian	*Stephanocoenia intercepta*	1	Y	5	0		0	
11/7/2013	4	HBS2-CP	HBS2-CP-3	Scleractinian	*Stephanocoenia intercepta*	1	Y	6	1		1	PB
11/12/2013	4	HBS3-CP	HBS3-CP-1	Scleractinian	*Solenastrea bournoni*	1	Y	1	1		1	PD
11/12/2013	4	HBS3-CP	HBS3-CP-1	Scleractinian	*Colophyllia natans*	1	Y	2	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-1	Scleractinian	*Meandrina meandrites*	1	Y	3	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-1	Scleractinian	*Meandrina meandrites*	1	Y	4	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-1	Scleractinian	*Meandrina meandrites*	1	Y	5	0	SED	0	
11/12/2013	4	HBS3-CP	HBS3-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-1	Scleractinian	*Stephanocoenia intercepta*	1	Y	7	0	SED	0	
11/12/2013	4	HBS3-CP	HBS3-CP-1	Scleractinian	*Stephanocoenia intercepta*	1	Y	8	0	SED	1	SA
11/12/2013	4	HBS3-CP	HBS3-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	9	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-1	Scleractinian	*Montastraea cavernosa*	1			1	SED		
11/12/2013	4	HBS3-CP	HBS3-CP-1	Scleractinian	*Siderastrea siderea*	1			0			
11/12/2013	4	HBS3-CP	HBS3-CP-1	Scleractinian	*Stephanocoenia intercepta*	2			0			
11/12/2013	4	HBS3-CP	HBS3-CP-1	Scleractinian	*Oculina diffusa*	2			0			
11/12/2013	4	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	1	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-2	Scleractinian	*Oculina diffusa*	1	Y	2	0		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/12/2013	4	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	3	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	4	0		1	SA
11/12/2013	4	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	5	1	UB	1	WP
11/12/2013	4	HBS3-CP	HBS3-CP-2	Scleractinian	*Meandrina meandrites*	1	Y	6	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-2	Scleractinian	*Stephanocoenia intercept*	1	Y	8	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	9	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-2	Scleractinian	*Stephanocoenia intercept*	1	Y	10	0		1	PE
11/12/2013	4	HBS3-CP	HBS3-CP-2	Scleractinian	*Dichocoenia stokesii*	3			0			
11/12/2013	4	HBS3-CP	HBS3-CP-2	Scleractinian	*Siderastrea siderea*	1			0			
11/12/2013	4	HBS3-CP	HBS3-CP-2	Scleractinian	*Stephanocoenia intercept*	3			0			
11/12/2013	4	HBS3-CP	HBS3-CP-2	Scleractinian	*Colophyllia natans*	1			0			
11/12/2013	4	HBS3-CP	HBS3-CP-3	Scleractinian	*Meandrina meandrites*	1	Y	1	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	2	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-3	Scleractinian	*Colophyllia natans*	1	Y	3	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-3	Scleractinian	*Meandrina meandrites*	1	Y	4	0		1	PE
11/12/2013	4	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		0	
11/12/2013	4	HBS3-CP	HBS3-CP-3	Scleractinian	*Siderastrea siderea*	1	Y	9	0		1	M
11/12/2013	4	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*		Y	10	-		0	
11/12/2013	4	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	-			-			
11/12/2013	4	HBS3-CP	HBS3-CP-3	Scleractinian	*Dichocoenia stokesii*	3			0			
11/12/2013	4	HBS3-CP	HBS3-CP-3	Scleractinian	*Siderastrea siderea*	1			0			
11/12/2013	4	HBS3-CP	HBS3-CP-3	Scleractinian	*Solenastrea bournoni*	1			0			
11/12/2013	4	HBS3-CP	HBS3-CP-3	Scleractinian	*Stephanocoenia intercept*	7			0			
11/12/2013	4	HBS3-CP	HBS3-CP-3	Scleractinian	*Porites astreoides*	1			0			
11/8/2013	4	HBS4-CR	HBS4-CR-1	Scleractinian	*Meandrina meandrites*	1	Y	1	0		0	
11/8/2013	4	HBS4-CR	HBS4-CR-1	Scleractinian	*Stephanocoenia intercept*	1	Y	2	0		0	
11/8/2013	4	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1	Y	3	0		0	
11/8/2013	4	HBS4-CR	HBS4-CR-1	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		0	

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/8/2013	4	HBS4-CR	HBS4-CR-1	Scleractinian	*Solenastrea bournoni*	1	Y	5	0		0	
11/8/2013	4	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
11/8/2013	4	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
11/8/2013	4	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		0	
11/8/2013	4	HBS4-CR	HBS4-CR-1	Scleractinian	*Oculina diffusa*	1	Y	9	0		0	
11/8/2013	4	HBS4-CR	HBS4-CR-1	Scleractinian	*Siderastrea siderea*	1			0			
11/8/2013	4	HBS4-CR	HBS4-CR-1	Scleractinian	*Stephanocoenia intercept*	1			0			
11/8/2013	4	HBS4-CR	HBS4-CR-1	Scleractinian	*Oculina diffusa*	1			0			
11/8/2013	4	HBS4-CR	HBS4-CR-1	Scleractinian	*Dichocoenia stokesii*	1			0			
11/8/2013	4	HBS4-CR	HBS4-CR-1	Scleractinian	*Siderastrea siderea*	1			0			
11/8/2013	4	HBS4-CR	HBS4-CR-1	Scleractinian	*Solenastrea bournoni*	1			0			
11/8/2013	4	HBS4-CR	HBS4-CR-1	Scleractinian	*Stephanocoenia intercept*	1			0			
11/8/2013	4	HBS4-CR	HBS4-CR-2	Scleractinian	*Oculina diffusa*	1	Y	1	0		0	
11/8/2013	4	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		1	SA
11/8/2013	4	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1	Y	3	0		1	SA
11/8/2013	4	HBS4-CR	HBS4-CR-2	Scleractinian	*Solenastrea bournoni*	1	Y	4	0		1	UD
11/8/2013	4	HBS4-CR	HBS4-CR-2	Scleractinian	*Solenastrea bournoni*	1	Y	5	0		1	SA
11/8/2013	4	HBS4-CR	HBS4-CR-2	Scleractinian	*Siderastrea siderea*	1	Y	6	0		0	
11/8/2013	4	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		0	
11/8/2013	4	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		0	
11/8/2013	4	HBS4-CR	HBS4-CR-2	Scleractinian	*Dichocoenia stokesii*	2			0			
11/8/2013	4	HBS4-CR	HBS4-CR-2	Scleractinian	*Siderastrea siderea*	1			0			
11/8/2013	4	HBS4-CR	HBS4-CR-2	Scleractinian	*Stephanocoenia intercept*	1			0			
11/8/2013	4	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	1	0		0	
11/8/2013	4	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	
11/8/2013	4	HBS4-CR	HBS4-CR-3	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		1	PE/SA
11/8/2013	4	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	4	0	PB	0	
11/8/2013	4	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
11/8/2013	4	HBS4-CR	HBS4-CR-3	Scleractinian	*Solenastrea bournoni*	1	Y	6	0		1	PE/SA
11/8/2013	4	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	7	0		1	SA
11/8/2013	4	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		1	SA
11/8/2013	4	HBS4-CR	HBS4-CR-3	Scleractinian	*Siderastrea siderea*	1			0			

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/8/2013	4	HBS4-CR	HBS4-CR-3	Scleractinian	*Dichocoenia stokesii*	2			0			
11/8/2013	4	HBS4-CR	HBS4-CR-3	Scleractinian	*Solenastrea bournoni*	1			0			
11/8/2013	4	HBS4-CR	HBS4-CR-3	Scleractinian	*Stephanocoenia intercept*	2			0			
11/8/2013	4	HBS4-CR	HBS4-CR-3	Scleractinian	*Oculina diffusa*	1			0			
11/7/2013	4	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Porites astreoides*	1	Y	1	1		1	FB
11/7/2013	4	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	2	0		1	SA
11/7/2013	4	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Stephanocoenia intercept*	1	Y	3	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	4	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Diploria strigosa*	1	Y	6	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	7	0		1	PE
11/7/2013	4	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	8	0		1	SA
11/7/2013	4	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1	Y	9	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Siderastrea siderea*	1	Y	10	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Siderastrea radians*	1			1			
11/7/2013	4	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1			0			
11/7/2013	4	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Dichocoenia stokesii*	1			0			
11/7/2013	4	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Stephanocoenia intercept*	1			0			
11/7/2013	4	HBSC1-CP	HBSC1-CP-1	Scleractinian	*Montastraea cavernosa*	1			0			
11/7/2013	4	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Montastraea cavernosa*	1	Y	1	0		1	PE
11/7/2013	4	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Montastraea cavernosa*	1	Y	2	0		1	PE
11/7/2013	4	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	3	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Montastraea cavernosa*	1	Y	4	0		1	PE/SA
11/7/2013	4	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	5	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	6	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	7	1	M	0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Solenastrea bournoni*	1	Y	8	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	1	Y	9	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Siderastrea siderea*	1	Y	10	1	M	0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Dichocoenia stokesii*	4			0			
11/7/2013	4	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Stephanocoenia intercept*	2			0			
11/7/2013	4	HBSC1-CP	HBSC1-CP-2	Scleractinian	*Porites astreoides*	1			0			

Date	Week Number	SITE (e.g. HBNC1-CP)	Transect (e.g. HBNA-1)	Category	*Subcategory*	Total Count	Tagged Coral (Y/N)	Coral ID	Condition Code (0-1)	Condition	Condition code QA/QC (0-1)	Condition QA/QC
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Diploria strigosa*	1	Y	1	0		1	SA
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	2	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Solenastrea bournoni*	1	Y	3	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Stephanocoenia intercepte*	1	Y	4	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Diploria clivosa*	1	Y	5	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Porites astreoides*	1	Y	6	1	M	1	M/SA
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Montastraea cavernosa*	1	Y	7	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Dichocoenia stokesii*	1	Y	8	0		0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Montastraea cavernosa*	1	Y	9	0		1	PE
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Stephanocoenia intercepte*	1	Y	10	1	PB	0	
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Stephanocoenia intercepte*	1			1	B		
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Siderastrea siderea*	1			1	PB		
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Stephanocoenia intercepte*	2			1	PB		
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Stephanocoenia intercepte*	1			0			
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Dichocoenia stokesii*	2			0			
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Solenastrea bournoni*	1			0			
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Stephanocoenia intercepte*	5			0			
11/7/2013	4	HBSC1-CP	HBSC1-CP-3	Scleractinian	*Montastraea cavernosa*	1			0			

Hardbottom Functional Group Baseline Analysis

Functional Group:	HBN1-CR-1		HBN1-CR-2		HBN1-CR-3		HBN1-CR	
	MEAN	SE	MEAN	SE	MEAN	SE	MEAN	SE
CORAL (C)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)	0.00	0.00	0.33	0.23	0.32	0.22	0.23	0.11
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)	0.00	0.00	0.62	0.44	0.00	0.00	0.22	0.15
CORALLINE, TURF, BARE (CTB)	3.50	1.31	2.25	0.81	5.46	1.69	3.78	0.78
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	96.50	1.31	96.80	1.13	94.22	1.76	95.77	0.84
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	17.68	1.65	16.32	1.42	18.45	1.64	17.49	0.91

Functional Group:	HBN2-CR-1		HBN2-CR-2		HBN2-CR-3		HBN2-CR	
	MEAN	SE	MEAN	SE	MEAN	SE	MEAN	SE
CORAL (C)	0.19	0.19	0.17	0.17	0.00	0.00	0.11	0.08
GORGONIANS (G)	0.00	0.00	0.00	0.00	0.82	0.69	0.29	0.24
SPONGES (S)	4.82	1.50	5.50	1.32	4.02	1.07	4.76	0.75
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE, TURF, BARE (CTB)	93.83	1.64	89.83	2.37	90.17	1.91	91.24	1.15
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	1.16	0.59	4.29	1.93	4.98	1.65	3.53	0.88
UNKNOWNS (U)	0.00	0.00	0.21	0.21	0.00	0.00	0.07	0.07
TAPE, WAND, SHADOW (TWS)	18.67	1.51	12.50	1.46	15.76	1.22	15.65	0.82

Functional Group:	HBN3-CP-1		HBN3-CP-2		HBN3-CP-3		HBN3-CP	
	MEAN	SE	MEAN	SE	MEAN	SE	MEAN	SE
CORAL (C)	3.66	1.66	1.29	0.62	1.15	1.15	1.77	0.62
GORGONIANS (G)	5.82	2.79	3.78	1.37	4.33	1.78	4.44	1.06
SPONGES (S)	5.55	1.68	12.50	1.61	13.13	2.12	11.18	1.11
ZOANTHIDS (Z)	1.00	0.76	2.92	1.54	0.77	0.77	1.70	0.71
MACROALGAE (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE, TURF, BARE (CTB)	77.10	3.66	75.89	2.28	74.88	3.12	75.78	1.68
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	5.67	1.88	3.43	1.08	5.53	2.17	4.70	1.00
UNKNOWNS (U)	1.21	0.58	0.20	0.20	0.22	0.22	0.43	0.17
TAPE, WAND, SHADOW (TWS)	11.71	1.51	13.13	1.63	12.59	1.38	12.61	0.90

Functional Group:	HBNC1-CP-1		HBNC1-CP-2		HBNC1-CP-3		HBNC1-CP	
	MEAN	SE	MEAN	SE	MEAN	SE	MEAN	SE
CORAL (C)	1.43	0.82	0.00	0.00	0.38	0.27	0.58	0.47
GORGONIANS (G)	17.85	2.46	24.28	2.71	22.69	2.21	21.71	2.44
SPONGES (S)	4.53	1.15	11.45	1.87	7.39	1.39	7.87	1.52
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)	0.33	0.23	0.41	0.41	0.00	0.00	0.24	0.27
CORALLINE, TURF, BARE (CTB)	73.68	2.74	63.05	3.09	68.46	2.27	68.27	2.71
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.95	0.57	0.48	0.36	0.79	0.65	0.74	0.53
UNKNOWNS (U)	1.22	0.44	0.32	0.32	0.29	0.29	0.59	0.35
TAPE, WAND, SHADOW (TWS)	17.03	1.49	13.77	1.45	13.29	1.20	14.63	1.36

Functional Group:	HBS1-CP-1		HBS1-CP-2		HBS1-CP-3		HBS1-CP	
	MEAN	SE	MEAN	SE	MEAN	SE	MEAN	SE
CORAL (C)	2.99	1.52	0.88	0.86	0.17	0.17	1.36	1.05
GORGONIANS (G)	1.58	0.74	8.75	2.26	5.42	1.38	5.27	1.69
SPONGES (S)	5.31	1.15	7.72	1.78	6.36	1.64	6.47	1.59
ZOANTHIDS (Z)	0.90	0.46	0.40	0.38	1.63	0.95	0.96	0.65
MACROALGAE (MA)	0.00	0.00	0.00	0.00	0.17	0.17	0.05	0.09
CORALLINE, TURF, BARE (CTB)	87.56	2.11	79.19	2.96	81.03	2.66	82.59	2.70
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0.00	0.00	0.20	0.19	0.17	0.17	0.12	0.15
CORALLINE ALGAE (CA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.92	0.47	2.86	1.12	5.06	1.46	2.93	1.13
UNKNOWNS (U)	0.74	0.57	0.00	0.00	0.00	0.00	0.25	0.34
TAPE, WAND, SHADOW (TWS)	18.55	1.56	14.92	1.42	17.50	1.87	16.97	1.66

Functional Group:	HBS2-CP-1		HBS2-CP-2		HBS2-CP-3		HBS2-CP	
	MEAN	SE	MEAN	SE	MEAN	SE	MEAN	SE
CORAL (C)	0.31	0.31	0.18	0.18	0.19	0.19	0.23	0.13
GORGONIANS (G)	0.00	0.00	0.00	0.00	1.01	0.71	0.35	0.25
SPONGES (S)	1.67	0.89	1.84	0.57	2.50	1.15	2.02	0.52
ZOANTHIDS (Z)	0.00	0.00	0.60	0.60	0.19	0.19	0.27	0.21
MACROALGAE (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE, TURF, BARE (CTB)	64.95	3.89	60.46	3.80	63.30	4.00	62.87	2.25
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	33.06	3.98	36.93	3.59	32.80	4.00	34.27	2.22
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	18.30	1.49	15.89	1.65	19.66	1.61	17.96	0.92

Functional Group:	HBS3-CP-1		HBS3-CP-2		HBS3-CP-3		HBS3-CP	
	MEAN	SE	MEAN	SE	MEAN	SE	MEAN	SE
CORAL (C)	0.56	0.41	0.61	0.35	1.48	0.63	0.90	0.28
GORGONIANS (G)	11.23	1.99	14.88	2.14	18.08	2.47	14.83	1.29
SPONGES (S)	2.32	0.90	3.58	1.08	3.03	0.91	2.98	0.56
ZOANTHIDS (Z)	0.00	0.00	2.53	1.46	0.53	0.30	1.01	0.49
MACROALGAE (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE, TURF, BARE (CTB)	70.10	3.27	74.16	2.89	63.85	3.16	69.22	1.82
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0.00	0.00	0.20	0.20	1.10	0.77	0.45	0.28
CORALLINE ALGAE (CA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	15.79	2.76	4.03	1.56	11.93	2.00	10.59	1.28
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	18.39	1.49	19.84	1.70	17.94	1.30	18.70	0.86

Functional Group:	HBS4-CR-1		HBS4-CR-2		HBS4-CR-3		HBS4-CR	
	MEAN	SE	MEAN	SE	MEAN	SE	MEAN	SE
CORAL (C)	0.56	0.41	0.61	0.35	1.48	0.63	0.32	0.34
GORGONIANS (G)	11.23	1.99	14.88	2.14	18.08	2.47	10.19	2.11
SPONGES (S)	2.32	0.90	3.58	1.08	3.03	0.91	4.86	1.17
ZOANTHIDS (Z)	0.00	0.00	2.53	1.46	0.53	0.30	0.46	0.47
MACROALGAE (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.21
CORALLINE, TURF, BARE (CTB)	70.10	3.27	74.16	2.89	63.85	3.16	59.80	3.55
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0.00	0.00	0.20	0.20	1.10	0.77	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	15.79	2.76	4.03	1.56	11.93	2.00	24.12	3.67
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	18.39	1.49	19.84	1.70	17.94	1.30	15.90	1.58

Functional Group:	HBS4-CR-1		HBS4-CR-2		HBS4-CR-3		HBS4-CR	
	MEAN	SE	MEAN	SE	MEAN	SE	MEAN	SE
CORAL (C)	0.56	0.41	0.61	0.35	1.48	0.63	0.32	0.34
GORGONIANS (G)	11.23	1.99	14.88	2.14	18.08	2.47	10.19	2.11
SPONGES (S)	2.32	0.90	3.58	1.08	3.03	0.91	4.86	1.17
ZOANTHIDS (Z)	0.00	0.00	2.53	1.46	0.53	0.30	0.46	0.47
MACROALGAE (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.21
CORALLINE, TURF, BARE (CTB)	70.10	3.27	74.16	2.89	63.85	3.16	59.80	3.55
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0.00	0.00	0.20	0.20	1.10	0.77	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	15.79	2.76	4.03	1.56	11.93	2.00	24.12	3.67
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	18.39	1.49	19.84	1.70	17.94	1.30	15.90	1.58

Functional Group:	HBSC1-CP-1		HBSC1-CP-2		HBSC1-CP-3		HBSC1-CP	
	MEAN	SE	MEAN	SE	MEAN	SE	MEAN	SE
CORAL (C)	9.28	2.66	0.64	0.46	0.33	0.23	3.09	0.86
GORGONIANS (G)	9.52	2.30	8.44	1.77	7.85	1.87	8.54	1.14
SPONGES (S)	3.51	1.00	2.09	0.90	2.77	0.73	2.77	0.50
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)	0.66	0.37	2.73	1.01	4.47	1.18	2.77	0.57
CORALLINE, TURF, BARE (CTB)	66.17	3.63	79.96	2.68	75.27	2.80	74.06	1.79
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	10.86	2.07	5.46	1.96	8.95	1.78	8.40	1.12
UNKNOWNS (U)	0.00	0.00	0.68	0.53	0.37	0.26	0.36	0.20
TAPE, WAND, SHADOW (TWS)	15.66	1.58	18.60	1.78	17.50	1.52	17.30	0.94

Site Name-Transect	Date Sample Bottle Installed	Date Sample Bottle Collected	Sample Period	Replicates (n)	Dry Mass Retained on No. 230 Sieve and Tare (grams)	Tare Mass (grams)	Dry Mass Retained on No. 230 Sieve (grams)	Daily Sedimentation Rate in grams per day (grain size ≥ 230)	Site average	SD	SE	Conductivity After 2nd Settling (µmhos/cm)	Dry Mass Finer than No. 230 Sieve and Tare (grams)	Tare Mass (grams)	Dry Mass Finer than No. 230 Sieve (grams)	Daily Sedimentation Rate in grams per day (grain size ≤ 230)	Site average	SD	SE
HBN1T1	10/21/2013	11/18/2013	28	3	277.09	21.62	255.47	9.12				935	46.27	23.32	22.95	0.8			
HBN1T2	10/21/2013	11/18/2013	28	3	191.75	21.74	170.01	6.07	6.98	1.86	1.07	1,507	50.92	23.80	27.12	1.0	0.87	0.09	0.05
HBN1T3	10/21/2013	11/18/2013	28	3	182.94	21.76	161.18	5.76				872	46.64	23.60	23.04	0.8			
HBN2T1	10/21/2013	11/18/2013	28	3	92.78	23.34	69.44	2.48				1,095	52.84	23.42	29.42	1.1			
HBN2T2	10/21/2013	11/18/2013	28	3	94.27	23.32	70.95	2.53	2.51	0.03	0.02	680	48.24	23.52	24.72	0.9	0.96	0.09	0.05
HBN2T3	10/21/2013	11/18/2013	28	3	93.74	23.49	70.25	2.51				910	49.98	23.59	26.39	0.9			
HBN3T1	10/21/2013	11/18/2013	28	3	113.96	21.72	92.24	3.29				1,915	45.71	23.40	22.31	0.8			
HBN3T2	10/21/2013	11/18/2013	28	3	160.82	21.64	139.18	4.97	4.13	1.19	0.84	2,430	46.02	23.24	22.78	0.8	0.81	0.01	0.01
HBN3T3		---	---	---	---	---	---					---	---	---	---				
HBNC1 T1	10/15/2013	11/12/2013	28	3	30.85	21.62	9.23	0.33				3,860	42.00	21.44	20.56	0.7			
HBNC1 T2	10/15/2013	11/12/2013	28	3	31.99	21.52	10.47	0.37	0.37	0.03	0.02	1,204	43.93	23.48	20.45	0.7	0.76	0.05	0.03
HBNC T3	10/15/2013	11/12/2013	28	3	32.71	21.72	10.99	0.39				1,383	46.38	23.33	23.05	0.8			
HBS1T1	10/19/2013	11/18/2013	30	3	42.98	21.46	21.52	0.72				939	41.96	23.55	18.41	0.6			
HBS1T2	10/19/2013	11/18/2013	30	3	43.66	23.45	20.21	0.67	0.67	0.04	0.02	794	41.76	23.43	18.33	0.6	0.62	0.00	0.00
HBS1T3	10/19/2013	11/18/2013	30	3	40.72	21.71	19.01	0.63				874	41.97	23.36	18.61	0.6			
HBS2T1	10/19/2013	11/18/2013	30	3	42.50	21.74	20.76	0.69				1,292	37.61	23.40	14.21	0.5			
HBS2T2	10/19/2013	11/18/2013	30	3	47.61	21.71	25.90	0.86	0.76	0.09	0.05	1,291	46.77	23.29	23.48	0.8	0.65	0.16	0.09
HBS2T3	10/19/2013	11/18/2013	30	3	42.96	21.64	21.32	0.71				1,440	43.93	23.39	20.54	0.7			
HBS3T1	10/19/2013	11/18/2013	30	3	36.58	23.36	13.22	0.44				1,863	43.93	23.28	20.65	0.7			
HBS3T2	10/19/2013	11/18/2013	30	3	34.38	21.55	12.83	0.43	0.40	0.05	0.03	2,530	46.05	23.35	22.70	0.8	0.72	0.04	0.02
HBS3T3	10/19/2013	11/18/2013	30	3	31.72	21.50	10.22	0.34				2,240	44.54	23.36	21.18	0.7			
HBS4T1	10/20/2013	11/18/2013	29	3	39.20	21.77	17.43	0.60				2,210	45.67	23.23	22.44	0.8			
HBS4T2	10/20/2013	11/18/2013	29	3	40.16	21.71	18.45	0.64	0.68	0.10	0.06	2,600	48.31	23.81	24.50	0.8	0.82	0.04	0.02
HBS4T3	10/20/2013	11/18/2013	29	3	44.66	21.71	22.95	0.79				2,100	48.04	23.56	24.48	0.8			
HBSC1T1	10/18/2013	11/18/2013	31	3	32.12	21.68	10.44	0.34				739	41.50	23.45	18.05	0.6			
HBSC1T2	10/18/2013	11/18/2013	31	3	35.08	23.53	11.55	0.37	0.30	0.09	0.05	884	39.87	23.50	16.37	0.5	0.49	0.12	0.07
HBSC1T3	10/18/2013	11/18/2013	31	3	29.76	23.49	6.27	0.20				617	34.59	23.54	11.05	0.4			
R2N1T1	10/23/2013	11/18/2013	26	3	59.48	21.75	37.73	1.45				771	36.60	23.52	13.08	0.5			
R2N1T2	10/23/2013	11/18/2013	26	3	87.97	21.70	66.27	2.55	1.81	0.64	0.37	2,480	42.64	23.58	19.06	0.7	0.58	0.13	0.08
R2N1T3	10/23/2013	11/18/2013	26	3	58.92	21.70	37.22	1.43				786	36.59	23.42	13.17	0.5			
R2N2-LR-1	11/20/2013	12/15/13	25	3	63.81	23.26	40.55	1.62				1,210	41.40	23.56	17.84	30.6			
R2N2-LR-2	11/20/2013	12/15/13	25	3	61.62	23.38	38.24	1.53	1.77	0.34	0.20	1,431	40.83	23.68	17.15	31.0	28.97	3.10	1.79
R2N2-LR-3	11/20/2013	12/15/13	25	3	77.24	23.33	53.91	2.16				895	41.90	23.55	18.35	25.4			
R2NC1-LR T1	10/27/2013	11/24/2013	28	3	68.62	21.72	46.90	1.68				1,799	46.53	23.57	22.96	0.8			
R2NC1-LR T2	10/27/2013	11/24/2013	28	2	40.95	21.43	19.52	0.70	2.74	2.73	1.58	1,418	36.42	23.29	13.13	0.5	0.59	0.20	0.12
R2NC1-LR T3	10/27/2013	11/24/2013	28	2	185.22	21.65	163.57	5.84				1,293.00	36.80	23.41	13.39	0.5			
R2S1T1	10/18/2013	11/18/2013	31	3	38.12	21.66	16.46	0.53				1,512	39.47	23.49	15.98	0.5			
R2S1T2	10/18/2013	11/18/2013	31	3	37.68	21.70	15.98	0.52	0.51	0.02	0.01	1,353	38.45	23.50	14.95	0.5	0.52	0.03	0.02
R2S1T3	10/18/2013	11/18/2013	31	3	36.90	21.51	15.39	0.50				1,494	40.49	23.51	16.98	0.5			
R2S2-LR-1	11/21/2013	12/15/13	24	3	33.38	23.79	9.59	0.40				930	34.59	23.61	10.98	53.4			
R2S2-LR-2	11/21/2013	12/15/13	24	3	36.86	23.83	13.03	0.54	0.49	0.08	0.05	735	35.71	23.30	12.41	48.8	50.36	2.61	1.51
R2S2-LR-3	11/21/2013	12/15/13	24	3	36.49	23.85	12.64	0.53				895	35.61	23.50	12.11	48.9			
R2SC1T1	10/19/2013	11/18/2013	30	3	43.69	23.37	20.32	0.68				1,340	36.36	23.36	13.00	0.4			
R2SC1T2	10/19/2013	11/18/2013	30	3	42.67	23.41	19.26	0.64	0.62	0.06	0.04	980	35.62	23.48	12.14	0.4	0.42	0.01	0.01
R2SC1T3	10/19/2013	11/18/2013	30	3	40.09	23.44	16.65	0.56				1,020	35.89	23.51	12.38	0.4			
R2SC2-1	11/21/2013	12/15/13	24	3	50.96	23.94	27.02	1.13				1,403	43.85	23.36	20.49	43.1			
R2SC2-2	11/21/2013	12/15/13	24	3	38.65	23.84	14.81	0.62	0.80	0.28	0.16	675	34.64	23.45	11.19	43.0	43.34	0.45	0.26
R2SC2-3	11/21/2013	12/15/13	24	3	39.53	23.90	15.63	0.65				787	35.63	23.42	12.21	43.9			

ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL TESTING LABORATORY
CHAIN OF CUSTODY RECORD

8008 South Orange Avenue | Orlando, Florida 32809 | Phone: 407-855-3860 | Fax: 407-859-8121

Client: Dial Cordy and Associates Inc.
Address: 490 Osceola Ave
Jacksonville Beach, FL

Project Name: Port Miami Phase III

ARDAMAN FILE NO.: 13-13-0142

Page 1 of 3

Reporting Contact:
- ☒ Name: Martha Robbart
- ☒ Phone: 954-200-9113
- ☒ Email:mrobbart@dialcordy.com

38 total

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Sample Identification	Sample Container / Time	Requested Tests / Size/Type	Total No.	Sample Comments	
A ✓ 3		500ML	3	GRAIN SIZE AND DRY WEIGHT	
B ✓ 3		500ML	3	GRAIN SIZE AND DRY WEIGHT	
C ✓ 3		500ML	2	GRAIN SIZE AND DRY WEIGHT	
D ✓ 3		500ML	3	GRAIN SIZE AND DRY WEIGHT	
E ✓ 3		500ML	3	GRAIN SIZE AND DRY WEIGHT	
F ✓ 3		500ML	3	GRAIN SIZE AND DRY WEIGHT	
G ✓ 3		500ML	3	GRAIN SIZE AND DRY WEIGHT	
H ✓ 3		500ML	3	GRAIN SIZE AND DRY WEIGHT	
I ✓ 3		500ML	3	GRAIN SIZE AND DRY WEIGHT	
J ✓ 3		500ML	3	GRAIN SIZE AND DRY WEIGHT	
K ✓ 3		500ML	3	GRAIN SIZE AND DRY WEIGHT	
L ✓ 3		500ML	3	GRAIN SIZE AND DRY WEIGHT	

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Reporting Contact:
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- [x] Phone: 954-200-9113
- [x] Email:mrobbart@dialcordy.com

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Sample Identification (Bottles)	Sample Container Time	Requested Tests Size/Type	Total No.		Sample Comments
P ✓ 3		500ML	3 ✓	GRAIN SIZE AND DRY WEIGHT	
Q ✓ 3		500ML	3 ✓	GRAIN SIZE AND DRY WEIGHT	
R		NO SAMPLE	NO SAMPLE	NO SAMPLE	SAMPLING APPARATUS MISSING
S ✓ 3		500ML	3 ✓	GRAIN SIZE AND DRY WEIGHT	
T ✓ 3		500ML	3 ✓	GRAIN SIZE AND DRY WEIGHT	
U ✓ 3		500ML	3 ✓	GRAIN SIZE AND DRY WEIGHT	
V ✓ 3		500ML	3 ✓	GRAIN SIZE AND DRY WEIGHT	
W ✓ 3		500ML	3 ✓	GRAIN SIZE AND DRY WEIGHT	
X ✓ 3		500ML	3 ✓	GRAIN SIZE AND DRY WEIGHT	
Y ✓ 3		500ML	3 ✓	GRAIN SIZE AND DRY WEIGHT	
Z ✓ 3		500ML	3 ✓	GRAIN SIZE AND DRY WEIGHT	
AA ✓ 2		500ML	2 ✓	GRAIN SIZE AND DRY WEIGHT	

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Reporting Contact:
- ☒ Name: Martha Robbart
- ☒ Phone: 954-200-9113
- ☒ Email:mrobbart@dialcordy.com

Sample Identification	Sample Container / Time	Requested Tests / Size/Type	Total No.		Sample Comments
EE ✓ 3		500ML	3 ✓	GRAIN SIZE AND DRY WEIGHT	
FF ✓ 3		500ML	3 ✓	GRAIN SIZE AND DRY WEIGHT	
GG ✓ 3		500ML	3 ✓	GRAIN SIZE AND DRY WEIGHT	
HH ✓ 2		500ML	3 2PC ✓ 11/25	GRAIN SIZE AND DRY WEIGHT	
II ✓ 3		500ML	3 ✓	GRAIN SIZE AND DRY WEIGHT	
JJ ✓ 2		500ML	3 2PC 11/25	GRAIN SIZE AND DRY WEIGHT	
R2NC1-LR T1		500ML	3 ✓	GRAIN SIZE AND DRY WEIGHT	
R2NC1-LR T2		500ML	2 ✓	GRAIN SIZE AND DRY WEIGHT	
R2NC1-LR T3		500ML	2 3 4PC ✓ 11/25	GRAIN SIZE AND DRY WEIGHT	

R2NC-1 1, 2, 3

BB		500ML	3	GRAIN SIZE AND DRY WEIGHT	
CC		500ML	3	GRAIN SIZE AND DRY WEIGHT	
DD		500ML	3	GRAIN SIZE AND DRY WEIGHT	
Total Number of Samples					

Relinquished by:	Received by:	Date/Time	Comments

M		500ML	3	GRAIN SIZE AND DRY WEIGHT	
N		500ML	3	GRAIN SIZE AND DRY WEIGHT	
O		500ML	3	GRAIN SIZE AND DRY WEIGHT	
Total Number of Samples					

Relinquished by:	Received by:	Date/Time	Comments

Total Number of Samples					

Relinquished by:	Received by:	Date/Time	Comments
		11:45 11/25/13	
		2:00 pm 12.13.14	

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Page 1 of 1

Reporting Contact:
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Sample Identification	Sample Container Time	Requested Tests Size/Type	Total No.	Sample Comments	
1	12/15/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
2	12/15/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
3	12/15/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
4	12/15/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
5	12/15/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
6	12/15/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
7	12/15/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
8	12/15/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
9	12/15/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
28	12/15/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
29	12/15/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
30	12/15/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
Total Number of Samples			36		

Relinquished by:	Received by:	Date/Time	Comments
		12/19 9:40	
		3:00pm 12/30/13	

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Page 1 of 1

Reporting Contact:
- [x] Name: Martha Robbart
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Sample Identification	Sample Container / Time	Requested Test / Size/Type	Total No.		
10	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
11	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
13	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
14	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
15	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
17	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
18	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
19	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
20	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
21	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
22	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
23	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
24	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
25	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
26	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
27	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
28 28 on other list	12/17/13	500ML	3	GRAIN SIZE AND DRY WEIGHT	
Total Number of Samples			51		

Relinquished by:	Received by:	Date/Time	Comments
		12/19 9:40	
		3:00pm 12.30.13	

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Project Name: Port Miami Phase III

ARDAMAN FILE NO.: 13-13-0142

Page 1 of 2

Reporting Contact:
- Name: Martha Robbart
- Phone: 954-200-9113
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Sample Identification	Sample Collection		Sample Container		Requested Tests	Sample Comments
	Date	Time	Size/Type	Total No.		
R3N1-1-C6	12/30/13	09:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3N1-2-C6	12/30/13	09:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3N1-3-C6	12/30/13	09:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3S1-1-C6	12/30/13	10:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3S1-2-C6	12/30/13	10:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3S1-3-C6	12/30/13	10:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3S2-1-C6	12/30/13	11:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3S2-2-C6	12/30/13	11:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3S2-3-C6	12/30/13	11:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3S3-1-C6	12/30/13	14:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3S3-2-C6	12/30/13	14:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3S3-3-C6	12/30/13	14:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
HBSC1-1-C8	1/13/14	10:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
HBSC1-2-C8	1/13/14	10:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
HBSC1-3-C8	1/13/14	10:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
HBNC1-1-C8	1/13/14	11:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
HBNC1-2-C8	1/13/14	11:30	500ML	3	GRAIN SIZE AND DRY WEIGHT	
HBS2-2-C8	1/13/14	15:00	500ML	3	GRAIN SIZE AND DRY WEIGHT	
HBS2-3-C8	1/13/14	15:00	500ML	3	GRAIN SIZE AND DRY WEIGHT	
Total Number of Samples				57		

Rec 2-6-14

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CHAIN OF CUSTODY RECORD

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Reporting Contact:
- Name: Martha Robbart
- Phone: 954-200-9113
- Email:mrobbart@dialcordy.com

Sample Identification	Sample Collection		Sample Container		Requested Tests	Sample Comments
	Date	Time	Size/Type	Total No.		
R2S1-1-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R2S1-2-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R2S1-3-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R2S2-1-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R2S2-2-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R2S2-3-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R2N1-1-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R2N1-2-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R2N1-3-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3SC1-1-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3SC1-2-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3SC1-3-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3SC2-1-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3SC2-2-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3SC2-3-C13	2/17/14		500ML	1	GRAIN SIZE AND DRY WEIGHT	
R3SC3-1-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3SC3-2-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3SC3-3-C13	2/17/14		500ML	2	GRAIN SIZE AND DRY WEIGHT	
R3S2-1-C13	2/17/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
Total Number of Samples This Page				54		

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ARDAMAN FILE NO.: 13-13-0142

Sample Identification	Sample Collection		Sample Container		Requested Tests	Sample Comments
	Date	Time	Size/Type	Total No.		
R3S2-2-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3S2-3-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3S3-1-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3S3-2-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3S3-3-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3NC1-1-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3NC1-2-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3NC1-3-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3N1-1-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3N1-2-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3N1-3-C13	2/16/14		500ML	2	GRAIN SIZE AND DRY WEIGHT	
R3S1-1-C13	2/16/14		500ML	2	GRAIN SIZE AND DRY WEIGHT	
R3S1-2-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R3S1-3-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R2NC1-1-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R2NC1-2-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R2NC2-1-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R2NC2-2-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R2NC2-3-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R2NC3-1-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R2NC3-2-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
R2NC3-3-C13	2/16/14		500ML	3	GRAIN SIZE AND DRY WEIGHT	
Total Number of Samples This Page				64		

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APPENDIX B
Photographs

APPENDIX C
Video