Miami Harbor
Hardbottom Assessment Pilot Study and Quantitative Study Plan

Technical Memorandum

FINAL

July 2010

Prepared for:

Jacksonville District
US Army Corps of Engineers
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1.0 INTRODUCTION

Dial Cordy and Associates Inc. has been contracted by the Jacksonville District, U.S. Army Corps of Engineers to: (1) conduct a Pilot Study, (2) prepare a study plan, and (3) implement a quantitative baseline characterization (study plan) of the hardbottom habitat adjacent to Government Cut that may be affected by the proposed Miami Harbor Deepening Project. The design of the quantitative baseline characterization should be sufficiently robust such that results may be statistically compared to post-dredging surveys to measure a possible effect.

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. In order to accommodate these larger vessels, the outer entrance channel is proposed to be widened at the outer reef and deepened to 52 (+1) feet. In order to fulfill navigational and safety requirements for the Port of Miami, 4.4 acres of the outermost reef will be directly affected. 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 relict reefs of southeast Florida extend from Miami-Dade to Palm Beach County and were formed during the Holocene (Banks et al. 2007). 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 and in subsequent documents, these reef areas will be referred to as nearshore hardbottom or hardbottom: first or inner reef; second or middle reef; and third or outer reef after Moyer et al. (2003) and local nomenclature (personal communication Steve Blair, DERM, April 8, 2010).

The reefs in Miami-Dade County run almost continuously south along the coast to approximately 55th Street. A break in the reef ridges occurs from 55th street south, for approximately 2 kilometers (km) where a historic river inlet, Bocas Ratones, was mapped in 1770 and naturally closed before 1887 (Cantillo et al. 2000). South of the historic river inlet, only two reefs resume running 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).

A scoping meeting detailing the Pilot Study Plan was held at the Florida Department of Environmental Protection (FDEP) on October 28, 2009 and included federal, state, and local stakeholders. In the fall of 2009, the Pilot Study was completed to determine the appropriate sampling sites, and to determine the appropriate sample size and methodology for a full scale quantitative study to take place in the summer of 2010. This Technical Memorandum documents the results of the completed Pilot Study and proposes a Quantitative Study Plan for execution in the summer of 2010. The *Acropora* survey was completed this spring (Dial Cordy 2010).

Legend

- Southeast Florida Reef Tracts
- Existing Channel Limits
- Florida County

0 1.5 3 6 9 Miles

Palm Beach

Broward

Miami-Dade

0 0.25 0.5 1 1.5 Miles

SOUTHEAST FLORIDA REEF TRACTS	
Port of Miami Hardbottom Assessment Technical Memorandum	
Scale: 1 inch = 3 miles	Drawn By: MR
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	Figure 1

2.0 METHODS

The Pilot Study hardbottom survey was conducted between October 28 and November 24, 2009. Data were collected during diveable weather windows from October 28-30, November 2-4, November 13-14, and November 21-24.

The Pilot Study was designed to define hardbottom habitat types within the study area, based on landscape and biological characteristics; so that statistically valid comparisons may be drawn between the habitat types in the Quantitative Study. The Pilot Study was also used as a tool to design a final study protocol based on the documented distribution of benthic organisms (i.e., octocorals and scleractinians). The study area included hardbottom, second, and third reef sites within 150 meters (m) of the existing outer entrance channel, and also included north and south reference or control sites; located on hardbottom, second, and third reefs at comparable depths (Figure 2).

In situ and videographic benthic community data were collected to ascertain sample size adequacy and a sampling design for the full quantitative reef assessment. The Pilot Study included initial mapping of the reef community zones: (1) adjacent to the channel on the second reef tract (middle reef), (2) adjacent to the channel on the third reef, (3) adjacent to the channel inshore of the first reef where nearshore hardbottom occurs, and (4) at control sites for the hardbottom, second, and third reefs located at least 0.5 miles north and south of the Federal Channel.

Habitat types within reefs (hardbottom, second, and third) were delineated based upon the classification of Walker (2009), using a combination of geomorphological and biological features. Similar methods were used to characterize reefs off Broward and Palm Beach counties (Walker et al. 2008). To determine a representative sample size for each habitat type, sampling was performed assessing the variance associated with the parameters to be evaluated in the quantitative assessment (e.g., coral colony density and species richness). This variance was used in a power analysis to determine the optimal sample size required to be able to test the project hypotheses.

2.1 Site Selection

Sites were selected in order to determine the appropriate sample size (amount of area) characterizing the pre- and post-construction population levels of benthic organisms in indirect and un-impacted reference sites. Twenty sites were chosen: ten indirect-impact sites along the north and south edges of the channel and ten control sites paired with the impact sites. The control sites were located at least 0.5 miles north and south of the impact sites, far enough away to prevent confounding effects from background channel turbidity, sedimentation, and anchorage effects (Figure 2). It should be noted that video for R3SC-3 was not obtained due to logistical constraints during the Pilot Study, thus colony count data were obtained for nine out of 10 possible control sites.

Legend

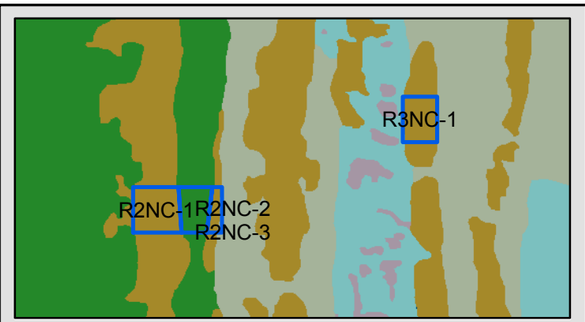
- Miami Harbor Pilot Study Sample Site (Nov09)
- Outer Entrance Channel Flair (Alternative 1C)
- Existing Channel Limits
- Miami Anchorage Area

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

0 250 500 1,000 1,500 Meters



Inset: North control sites located approximately 5 miles north.

HBNC
HBN
HBS
HBSC
R3N
R3S-1
R3S-3
R3S-2
R2N-1
R2N-2
R2S-1
R2S-2
R3SC-1
R3SC-2
R3SC-3
R2SC-1
R2SC-2

PILOT STUDY SITES	
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	Figure 2

Each site represented a single habitat type and was paired with a corresponding control site. For example, on the second reef; where ridge and linear reef habitat types were within the combined impact sites to the north and south; the same habitat types were sought for the un-impacted reference sites (Figure 2). In the case of the third reef indirect impact sites and different habitat types were found on the north and south sides of the channel. For the southern impact site, three habitat types colonized pavement; linear reef; and spur and groove were sampled. As a result, the southern controls also included these three habitat types. The original Pilot Study design included these habitat types to be sampled in the north; however, upon groundtruthing of the proposed northern control sites on the outermost reef, it was discovered that these habitat types were not similar to habitat types found adjacent to the channel. Northern outer reef habitat types were found in 70 to 90 feet of water and were characterized by large deep water anthozoans. Therefore, a northern control was established to the west in comparable depth water and within the same habitat type as the corresponding indirect impact site (R3NC). Additional factors guiding the placement of the north controls were avoidance of an ancient river mouth and avoidance of the existing anchorage. Both of these features could influence benthic population cover and composition for different reasons: hydrogeologic and anthropogenic, respectively.

2.2 Indirect and Control Sampling Sites

Ten randomly directed transects were selected to sample within each site. The initial sample size of ten transects was chosen to standardize the pilot study sampling protocol across habitat types and to collect adequate data to determine the appropriate sample size for the quantitative sampling study. Other studies in southeast Florida (Broward County) have shown that sampling 30 square meters (m^2) achieves level or near-level species richness curves (Gilliam et al. 2006). *In situ* data were collected along a 1m wide swath of each 10m transect, for a total of 100m^2 of *in situ* data per site.

The ten randomly directed transects in each site were established using ArcView GIS. The habitat types within reefs run in a north-south direction. In order to sample a site, transects were positioned in a north to south direction using a directed random method. A random origin within the northern third of the site was selected for the beginning of Transect 1. A random bearing between 90 and 270 degrees was selected by ArcView GIS; this allowed transects to move in a generally southern direction, with the direction of the habitat type. A transect distance of 10 m was then established for Transect 1. Another random bearing was generated by ArcView GIS representing the direction a diver would swim between Transect 1 and 2. A random number between 5 and 15 was generated by ArcView GIS to represent the distance in meters between Transects 1 and 2; thereby, creating a random direction and distance from Transect 1. Another random bearing between 90 and 270 degrees was generated by ArcView GIS to determine the direction of Transect 2. These steps were repeated for a total of ten transects for each site.

2.3 Transect Sampling Methodology

Along each transect, both *in situ* and videographic methods were employed to collect species or generic richness and cover data. *In situ* data collected for the Pilot Study included species richness of scleractinian corals and generic richness of octocorals within 100m^2 per site. Since these habitat types are dominated by octocorals, it was considered important to include these as a parameter in the Pilot Study.

Videographic data were collected along a 40 centimeter (cm) swath of each transect for a total of 40m^2 per site. The underwater video camera was positioned perpendicular to the bottom, 40cm above the benthos using a scale bar, which was visible in the video. The diver swam at approximately 2 to 3m per minute to ensure good quality still captures for video analysis. Percent cover data for scleractinians species, octocorals to the lowest possible taxonomic level, sponges, sand, rubble, macroalgae, turf, and other benthic components were analyzed using CPCe® (Kohler and Gill 2006). The number of scleracitnian coral colonies and the number of octocoral holdfasts were also analyzed for a selection of sites. Statistical power analyses were conducted on these data to determine adequate sample sizes to answer questions about changes in benthic population levels related to the effect of dredging.

3.0 RESULTS

3.1 *In situ* Data Analysis

In situ data collected included scleractinian species and octocoral generic richness data at each site. Using these data, species and generic richness curves (rarefaction curves) were created to determine the number of transects necessary to adequately characterize the proposed sampling areas based upon species and genus richness of scleractinian and octocorals respectively. The rarefaction curves generated for scleractinian species and octocoral genus data are found in Appendix A.

The asymptotic shape of the curves indicates that sufficient data representatively documenting the species of scleractinians and genera of octocorals present within the indirect and reference areas is ten transects (100m^2), or less in some cases.

3.2 Videographic Data Analysis

Indirect impact and reference sites sampled during the Pilot Study were similar to other southeastern Florida reef areas that have been characterized by Gilliam (2007), Moyer et al. (2003), and others. In general, these areas are characterized by low coral cover (scleractinians and *Millepora*) with higher sponge and octocoral cover. Macroalgae and rubble, sand, and pavement were the dominant cover types across all sites and exceeded cover of corals, sponges, and octocorals combined. Percent cover results can be found in Appendix B.

Overall hard coral cover, including scleractinians and *Millepora*, was low, ranging from 0.05 to 4.62%. Hard coral cover was lowest in the hardbottom sites (HBNC, HBN, HBS, and HBSC) and highest along linear reef habitat type on Reef 2.

Octocoral cover was higher than hard coral cover at all sites sampled and ranged from 1 to 15% across indirect impact and reference sites. This result confirms that octocorals are an important component of the benthic habitat within the indirect impact and control sites and; therefore, should be included in the quantitative sampling protocol.

Sponges were lower in cover than octocorals, but higher than scleractinian coral cover and ranged from 0.54 to 6% across indirect impact and reference sites.

Macroalgae were the largest contributor to live cover and were spatially variable, ranging from 45 to 82% cover across all sites. The abiotic cover categories sand, pavement, rubble (SPR) ranged from 4 to 71% and was the second-largest contributor to cover at sites overall.

3.2.1 Scleractinian Colony Counts and Octocoral Holdfast Counts

Dial Cordy and Associates Inc. conducted colony count analysis for all video transect data collected during the Pilot Study (fall 2009) at the 19 sites sampled (10 treatment and 9 control; Appendix C). Upon review of the total dataset, it appears that organisms of interest, including octocorals and scleractinians, are low in abundance and highly variable between treatments (channel and control) and location (north and south of channel), making an ANOVA-based approach impractical.

3.3 Statistical Analysis

The primary goals of the analysis were to estimate differences among treatments and test their significance using an ANOVA-based approach, and to use the variability within samples to estimate minimum detectable differences. The minimum detectable differences are indicators of the prospects for detecting significant differences in a full study of comparable design at the conventional type I and type II error rates of 5% and 20%, respectively. Prior to ANOVA, the data were tested for conformity to the assumptions of parametric statistics and transformed as necessary. For statistical test results, see Appendix D.

Living hard coral cover was <5% in all cases. Few significant or marginally non-significant differences were detected. In the majority of cases, the minimum detectable difference calculated from the error variances obtained in the ANOVA was larger than the differences between group means; explaining the preponderance of non-significant results. The minimum detectable difference, δ, was greater than the four group means in all cases tested, suggesting that a drop from current values to zero would not be detectable.

Two-way ANOVA analyses revealed the following for octocorals and scleractinians colony counts:

(A) Octocorals: Power was generally low for the octocoral counts, which suggests little difference between north and south and between sites adjacent to and further from the channel. In both cases, the interaction was significant; which would have compromised the interpretation of significant results for factors. For both tests combined, the minimum detectable difference δ was greater than the mean values for groups in seven of eight cases. This means that in most cases, even a drop from present values to zero would not be detectable.

(B) Scleractinians: Power was very low for the scleractinian counts, which corresponds to the lack of significant results. Again, the results suggest little difference between north and south, and between sites adjacent to and further from the channel. For both tests combined, the minimum detectable difference δ was greater than the mean values for groups in eight of eight cases. This means that in all cases, even a drop from present values to zero would not be detectable.

Minimum detectable difference tests were conducted to detect a 5% change at p=0.05 with a power of 0.80 for macroalgae cover and octocoral counts. Macroalgae cover was the most common cover type besides SPR, while octocorals represent the most abundant organism of interest across sites. Since scleractinians were rarer than octocorals, it was not considered necessary to conduct minimum detectable difference tests for scleractinians, which would inevitably require a greater sampling effort.

The required sample sizes to detect a 5% change in macroalgae 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 required sample sizes to detect a 5% change at p=0.05 with a power of 0.80 for octocorals would start at 2200 transects per site. These results show that an ANOVA approach is not practical to carry out in this variable and patchy environment.

3.3.1 Conclusions of Statistical Analysis

Due to the low cover and patchiness of hard corals and octocorals at these sites, Dial Cordy and Associates Inc. recommends a census technique that focuses on a regression-based approach on the second and third reefs, beginning adjacent to the channel. For hardbottom communities west of the second reef, we recommend a stratified random approach based upon octocoral and scleractinian colony density within treatment and control sites identified during the Pilot Study. All areas should be sampled using colony counts rather than estimates of cover. Post surveys following the dredging operation will allow comparison with the pre-dredging data. Impacts of the dredging operation on second and third reefs, should they occur, will be detectable as a significant relationship between distance from the channel and the magnitude of change between the pre- and post-impact habitat states. Impacts to hardbottom sites would be detectable as significant interaction terms of ANOVA between time (before *versus* after dredging) and treatment (indirect impact *versus* control/reference)

4.0 PROPOSED QUANTITATIVE STUDY PROTOCOL

Based on the results of the Pilot Study presented above, the baseline quantitative study protocol will assess the reef benthic populations, including scleractinian and octocoral condition (e.g., the occurrence of disease and bleaching) at the second and third reefs (indirect impact) using a regression-based approach. Hardbottom areas west of the second reef will be assessed using an ANOVA approach as will the direct impact areas. Separate *Acropora cervicornis* and *A. palmata* surveys were recently conducted (Dial Cordy 2010). Pre-disturbance sedimentation and turbidity monitoring are not included in the proposed protocol.

For the regression-based approach, video and *in situ* transect data will be obtained at regular intervals to the north and south within the second and third reef sites (15 to 20 transects per site). Sampling will originate at the channel edge and progress in both directions parallel to the channel (transects oriented east-west).

Changes in abundance, density, and colony condition (pre- versus post-impact) will be analyzed using a linear regression model. Dredging effects, if they occur, will be detected as significant relationships between distance from the channel and the magnitudes of change between the pre- and post-impact habitat states.

The following study questions will be answered during the baseline quantitative survey, scheduled to take place during the summer of 2010:

<u>What are the pre-disturbance population levels of benthic organisms along a distance gradient (450 m north and up to 1000 m south) from the Miami Harbor entrance channel?</u>

$H_{(null)}$: *Pre- and post-disturbance population levels of benthic organisms are the same regardless of distance from the channel.*

Using a regression-based approach, video and *in situ* transect data will be obtained at regular intervals to the north and south within the second and third reef sites (15-20 transects per site). Sampling will originate at the channel edge and progress in both directions parallel to the channel (transects oriented east-west). Due to the proximity of R2N1 and R3N to the anchorage, and the discontinuous nature of these habitats, transects will be established to 450 m north of the channel edge for R2N1 and R3N. South of the channel, the habitats of interest are continuous, and the distance sampled from the channel edge is not limited by safety concerns. We propose to conduct transect surveys to a distance of 1000 m from the channel for each southern site (R2S-1, R3S-1, R3S-2 and R3S-3; Figure 3).

In situ data will be collected along transects to assess: (1) the composition, density, size, coverage, and condition of benthic organisms; and (2) the extent and percent cover of bare substrate and unconsolidated substrate, as measured by the point-intercept method (sand, rubble; Aronson et al. 1994). The benthic organisms and size metrics of interest include: (1) scleractinians (maximum diameter in cm); (2) octocorals (maximum diameter or height in cm); (3) sponges (maximum diameter or height in cm); (4) zoanthids

Legend

- Regression Sampling Approach Zone
- Miami Pilot Study Sample Site
- Outer Entrance Channel Flair (Alternative 1C)
- Existing Channel Limits
- Miami Anchorage Area

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

0 250 500 1,000 1,500 Meters

HBNC

HBN

HBS

HBSC

R3N

R2N-1

R2S-1

R3S-2

R3S-1 R3S-3

PROPOSED QUANTITATIVE STUDY PLAN	
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	Figure 3

(maximum diameter in cm); and (5) macroalgae (identified to the lowest taxonomic level and listed per transect). An acceptable bleaching assessment protocol [i.e., Florida Resilience Relief Program (FRRP)] will be used to characterize scleractinian colony condition. Disease data will be collected using accepted guidelines, such as those described by Bruckner (2001). Video transect data for all transects (10 m x 0.4 m per transect) will be collected for archival purposes; no analysis is proposed for the video transects at this time.

With the baseline data in hand, changes in abundance; density; and colony condition (pre- versus post-impact) would be analyzed using a linear regression model. Dredging effects would be detected as a significant relationship between distance from the channel and the magnitude of change between the pre-and post-impact habitat states.

What are the pre-disturbance population levels of benthic organisms in indirect impact areas of hardbottom habitat and associated reference sites?

$H_{(null)}$: Pre- and post-disturbance population levels of benthic organisms are the same regardless of location (hardbottom indirect impact versus control/reference).

In order to determine the pre-disturbance population levels of benthic organisms in indirect impact and reference sites of hardbottom habitat, we will document: (1) the composition, density, size, coverage, and condition of benthic organisms including scleractinians (maximum diameter in cm), octocorals (maximum diameter or height in cm), sponges (maximum diameter or height in cm), zoanthids (maximum diameter in cm), and macroalgae (lowest taxonomic level occurrence); and (2) the percent cover and extent of bare substrate and unconsolidated substrate as determined by the linear point-intercept technique (sand, rubble; Aronson et al. 1994). The methods used to assess the benthic organisms will include either *in situ* visual assessments or photoquadrat image capture and analysis using CPCe®. An acceptable bleaching assessment protocol (i.e., FRRP) would be used to characterize scleractinian colony condition. Disease data will be collected using accepted guidelines, such as that described by Bruckner (2001). Strata within Pilot Study sites will be delineated during summer 2010, when scleractinian and octocoral counts were highest according to Pilot Study results, and the maximum feasible number of random 1-m^2 quadrats will be sampled to characterize the population levels of benthic organisms. Appropriate statistical comparisons will be made between indirect impact sites and reference sites.

Post dredging surveys will allow comparison with the pre-dredging data. Impacts of the dredging operation, should they occur, will be detectable as significant interaction terms of ANOVA between time (pre- versus post-impact) and treatment (indirect impact versus control/reference).

Four sites will be surveyed within the hardbottom or colonized pavement located west of Reef 2 as described by Walker (2009) (Figure 3).

What are the pre-disturbance biological characteristics of the benthic populations on Reef 3 within the direct impact area?

Direct impact areas lie on the north and south edges of the existing channel on the outermost reef (Figure 4). The northern direct impact area (R3DN) is approximately

Legend

- Miami Harbor Pilot Study Sample Site (Nov09)
- Direct Impacts Sampling Site (Oct09)
- Outer Entrance Channel Flair (Alternative 1C)
- Existing Channel Limits
- Bathymetry (5 ft. interval)

N

0 25 50 100 150 Meters

R2N

R2DN

R2DS

R2S-1

R2S-2

R2S-3

DIRECT IMPACT AREAS ON THE SECOND REEF	
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	Figure 4

11,000 m^2, while the south, R3DS, is 7,000 m^2. Reconnaissance surveys will be conducted in direct impact areas to define areas of hardbottom and other areas, such as sand. In order to determine the pre-disturbance biological characteristics of the benthic populations for mitigation calculations within R3DN, 20 and 30 x 1m transects will be surveyed randomly in areas of reef or hardbottom habitat, for a total area of 600 m^2 surveyed. In order to determine the pre-disturbance biological characteristics of the benthic populations for mitigation calculations, 20 and 30 x 1 m long transects will be surveyed randomly in areas of reef or hardbottom habitat, for a total area of 600 m^2 surveyed. The following specific methods will be used to characterize benthic populations along these transects.

In situ data will be collected to assess: (1) the composition, density, size, coverage, and condition of benthic organisms including scleractinians (maximum diameter in cm), octocorals (maximum diameter or height in cm), sponges (maximum diameter or height in cm), zoanthids (maximum diameter in cm), and macroalgae (lowest taxonomic level occurence); and (2) the extent and percent cover of bare substrate and unconsolidated substrate as measured by the point-intercept method (sand, rubble; Aronson et al. 1994). An acceptable bleaching assessment protocol (i.e., FRRP) would be used to characterize scleractinian colony condition. Disease data will be collected using accepted guidelines, such as that described by Bruckner (2001). Video transect data for all transects (30m x 0.4m per transect) will be collected for archival purposes; however, no analysis is proposed at this time.

Qualitative video will be recorded and will provide a record of the landscape at direct impact sites. Underwater digital video will be recorded at 1 m above the bottom, pointing down at a 45-degree angle to record benthic and fish populations at the beginning and end of each transect. This video will be collected for archival purposes. Per agency comments, fish population surveys are not proposed, as fish populations along Florida southeast reefs are well documented and it is assumed that these mobile fauna will relocate to nearby habitat.

5.0 CONCLUSION

The Pilot Study documented the patchiness and variability of benthic organisms within the hardbottom, second, and third reefs adjacent to the Miami Harbor Channel and reference areas in the fall of 2009. In order to quantitatively characterize benthic communities so that valid statistical comparisons can be made between pre-dredging and post-dredging surveys, a regression-based approach is proposed to compare benthic communities across space and time on the second and third reefs. A stratified random approach based upon Pilot Study results is proposed for hardbottom sites west of the second reef to compare treatment and control sites. Direct impact areas will be surveyed in detail and results will be used to develop mitigation requirements. Additionally, *Acropora palmata* and *A. cervicornis* surveys were conducted within the indirect impact area (150m north and south of the existing channel) using the approved NMFS diver survey protocol (Dial Cordy 2010) Taken together, these components will quantitatively assess the baseline conditions of benthic resources within the Miami Harbor entrance channel project area, measure potential effects of the dredging operation, and provide detailed information on *Acropora* abundance and density within the 150m indirect impact area of the Miami Harbor Deepening Project area.

6.0 LITERATURE CITED

Aronson, R.B., P.J. Edmunds, W.F. Precht, D.W. Swanson, and D.R. Levitan. 1994. Large-scale, long-term monitoring of Caribbean coral reefs: simple, quick, inexpensive techniques. Atoll Research Bulletin 421:1-19.

Banks, K.W., B.M. Riegl, E.A. Shinn, W.E. Piller, and R.E. Dodge. 2007. Geomorphology of the Southeast Florida continental reef tract (Miami-Dade, Broward, and Palm Beach Counties, USA). Coral Reefs (2007) 26:617-633.

Bruckner, A.W. 2001. Coral health and mortality: Recognizing signs of coral diseases and predators. In: Humann and Deloach (eds.), Reef Coral Identification. Jacksonville, FL: Florida Caribbean Bahamas New World Publications, Inc. pp. 240-271.

Cantillo, A. Y., Hale, K., Collins, E., Pikula, L. and Caballero, R. (2000). Biscayne Bay: Environmental History and Annotated Bibliography. NOAA Technical Memorandum NOS NCCOS CCMA 145. Silver Spring, Maryland, Pp. 128.

Dial Cordy and Associates Inc. 2010. Miami Harbor *Acropora* Coral Survey, Final Report. U.S. Army Corps of Engineers, Jacksonville District.

Dial Cordy and Associates Inc. 2008. Proposed *Acropora* Critical Habitat Assessment Protocol for Maintained Channels and other Large Sites (>1 acre). Prepared for Jacksonville District, Army Corps of Engineers. Pp. 3.

Gilliam, D.S. 2007. Southeast Florida Coral Reef Evaluation and Monitoring Project 2006 Year 4 Final Report. Prepared for: Florida Fish and Wildlife Conservation Commission, Fish & Wildlife Research Institute, Florida Department of Environmental Protection. Pp. 31.

Gilliam, D.S., R.E. Dodge, R.E. Spieler, L.K.B. Jordan, and J.C. Walczak. 2006. Marine biological monitoring in Broward County, Florida: Year 6 annual report. Technical Report DPEP 04-01. Ft. Lauderdale, Florida: Broward County, Board of County Commissioners.

Kohler, K.E. and S.M Gill. 2006. Coral point count with excel extensions (CPCe): A visual basic program for the determination of coral and substrate coverage using random point count methodology. Computers and Geosciences 32: 1259-1269.

Marcos, S.A., L. David, E. Penaflor, V. Ticzon, and M. Soriano. 2008. Automated benthic counting of living and non-living components in Ngedarrak Reef, Palau via subsurface underwater video. Environmental Monitoring and Assessment. Vol 145 No.1-3, 177-184.

Moyer, R.P., B. Riegl, K. Banks, and R.E. Dodge. 2003. Spatial patterns and ecology of benthic communities on a high-latitude South Florida (Broward County, USA) reef system. Coral Reefs 22(4):447-464.

National Marine Fisheries Service (NMFS). 2007. Recommended Survey Protocol for Acropora species in Support of Section 7 Consultation (Revised October 2007). http://sero.nmfs.noaa.gov/pr/pdf/RecommendedSurveyProtocolforAcropora.pdf. Accessed June 4, 2008.

Somerton, D.A. and C.T. Glendhill (editors). 2005. Report of the National Marine Fisheries Service Workshop on Underwater Video Analysis. U.S. Department of Commerce, NOAA Technical Memorandum NMFS-F/SPO-68, Pp. 69.

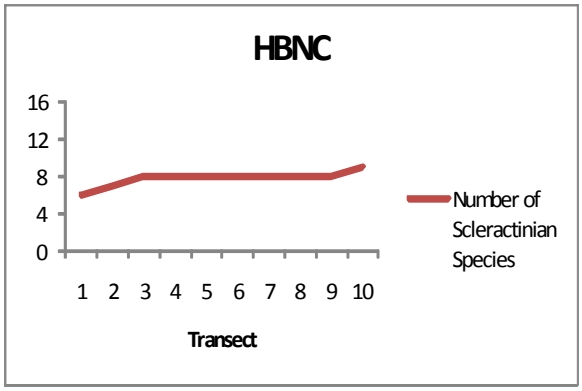
Walker, B.K. 2009. Benthic Habitat Mapping of Miami-Dade County: Visual Interpretation of LADS Bathymetry and Aerial Photography. Florida DEP Report #RM069. Miami Beach, FL. Pp. 47.

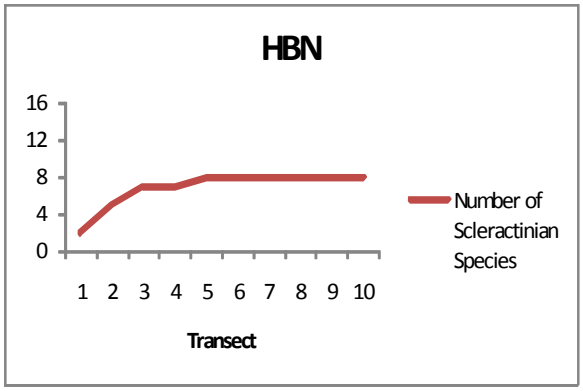
Walker, B.K., B. Riegl, and R.E. Dodge. 2008. Mapping coral reef habitats in southeast Florida using a combined technique approach. Journal of Coastal Research, 24**,** 1138-1150.

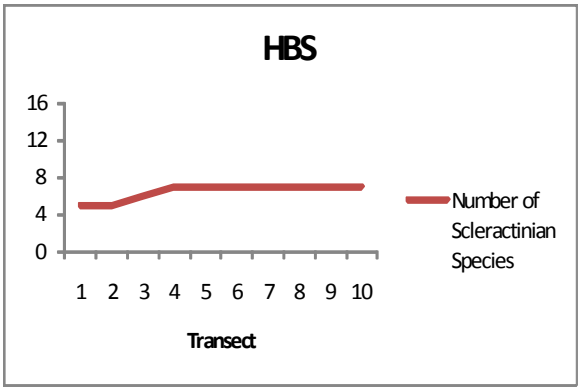
APPENDIX A

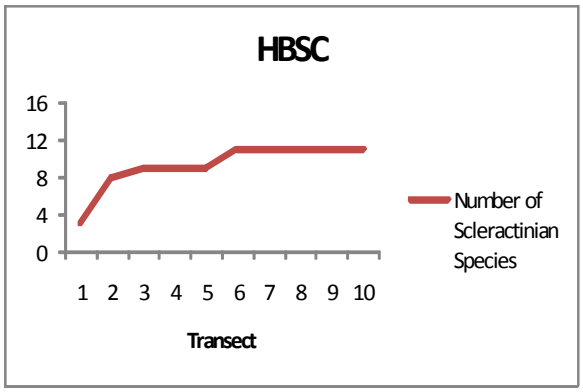
Scleractinian Coral Species Rarefaction Curves

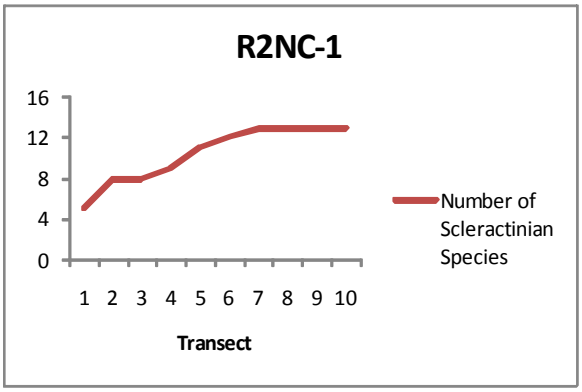
Octocoral Genus Rarefaction Curves

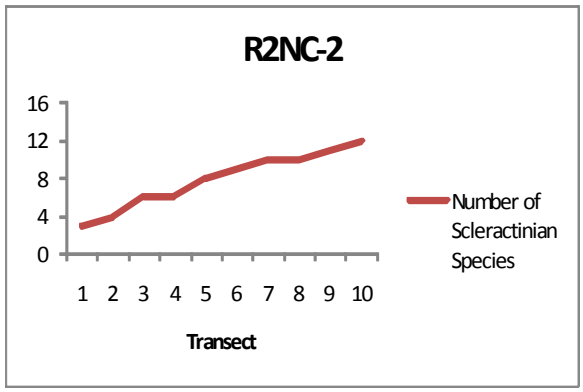


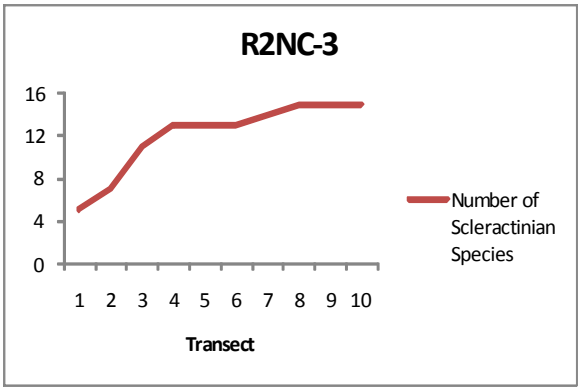


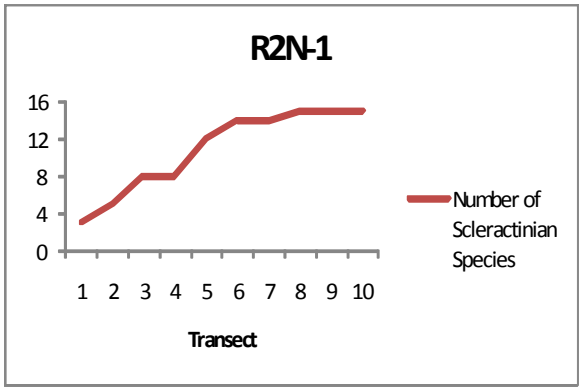




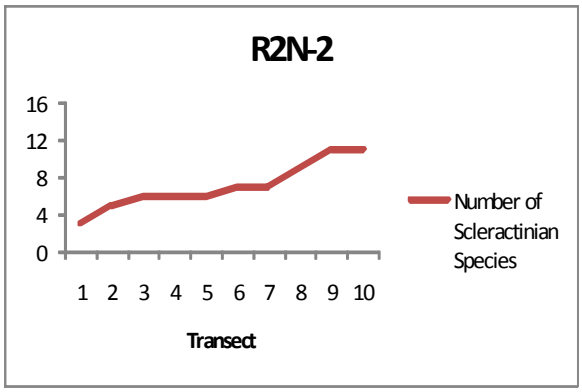


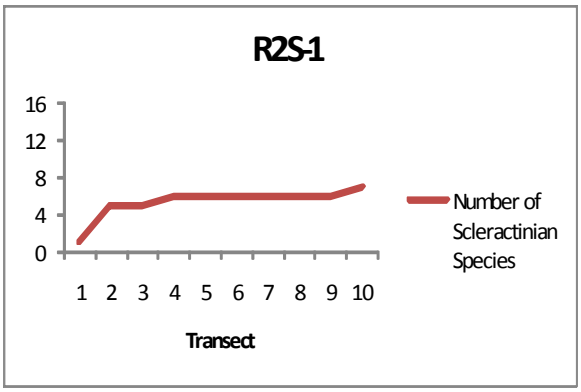


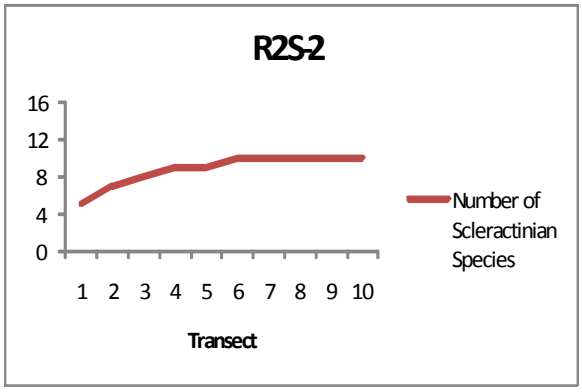


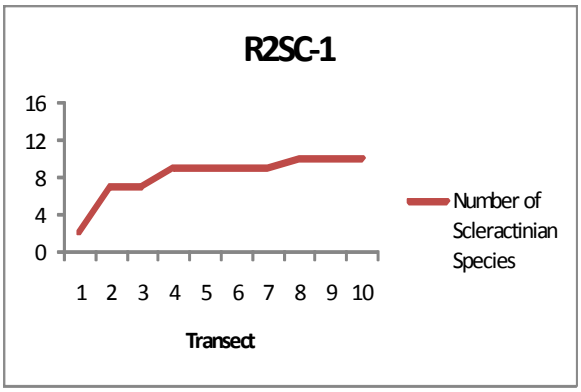


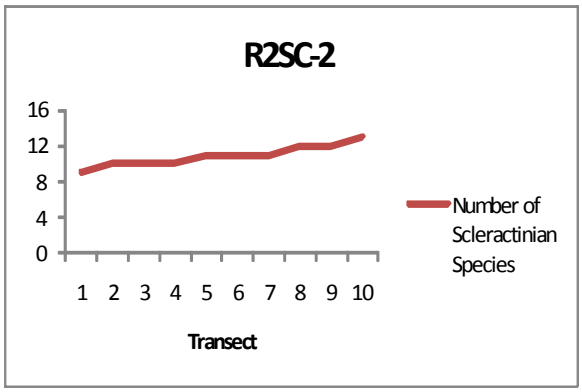
Sceleractinian Coral Species Rarefaction Curves

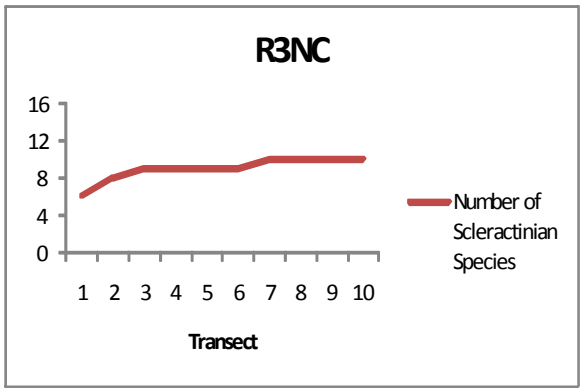


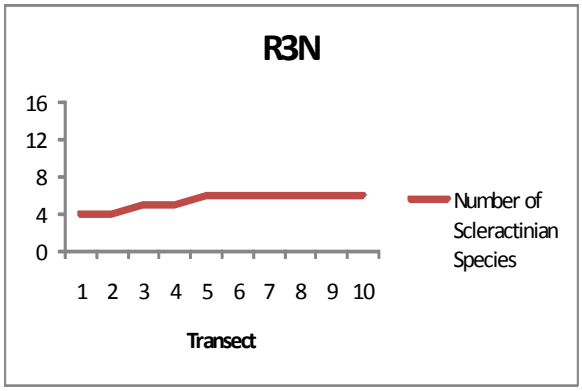


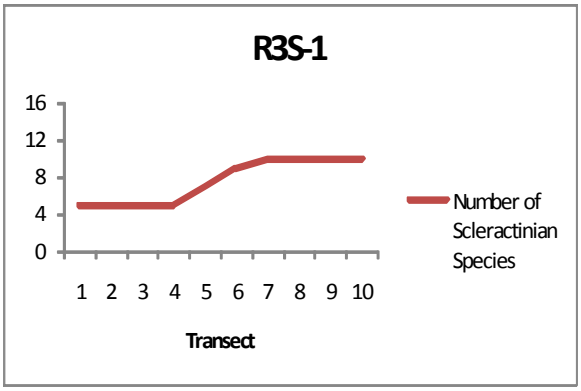




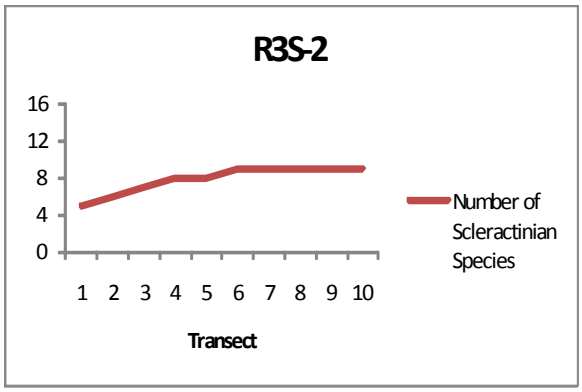


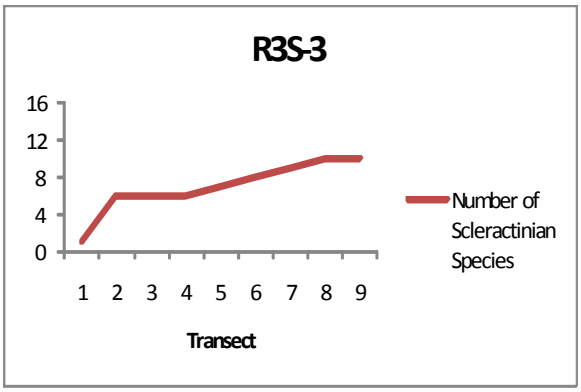


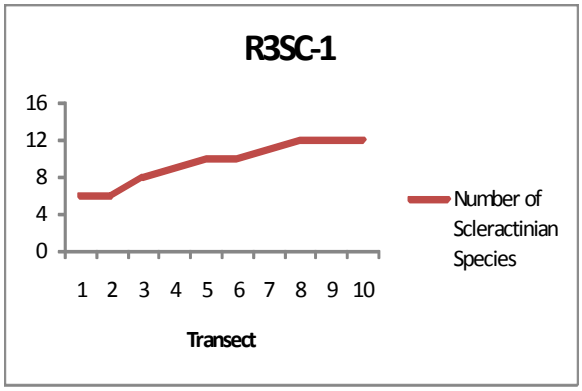


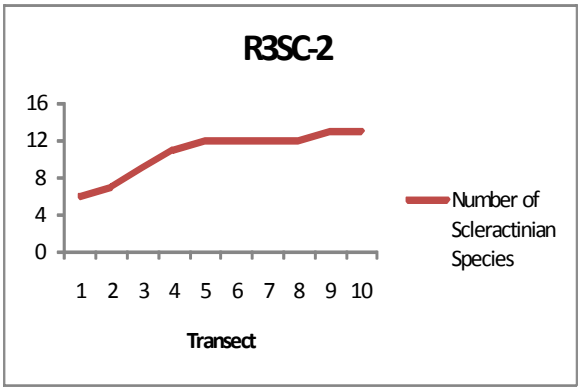


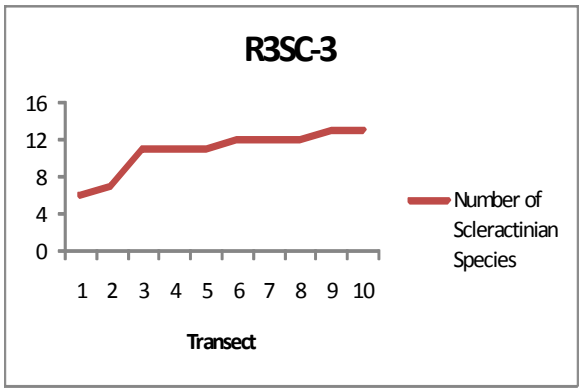
Sceleractinian Coral Species Rarefaction Curves



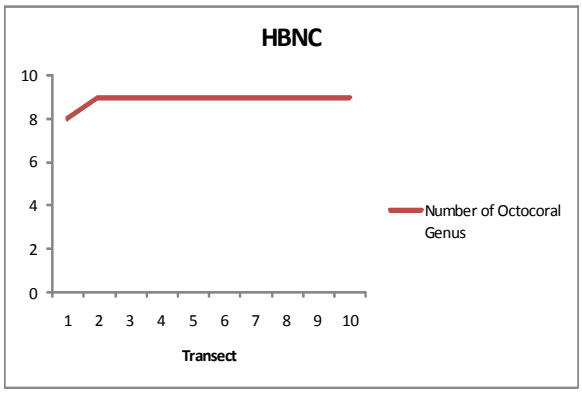


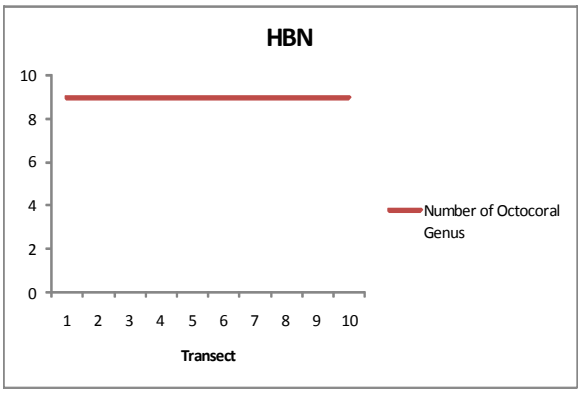


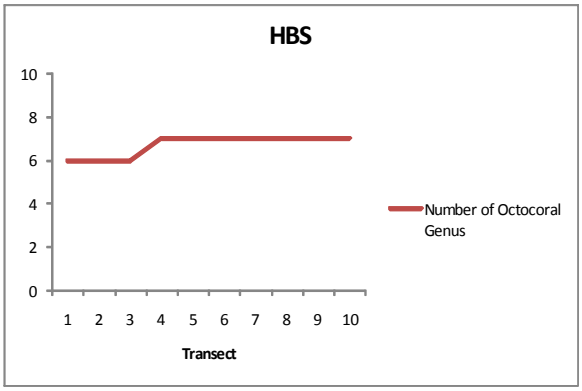


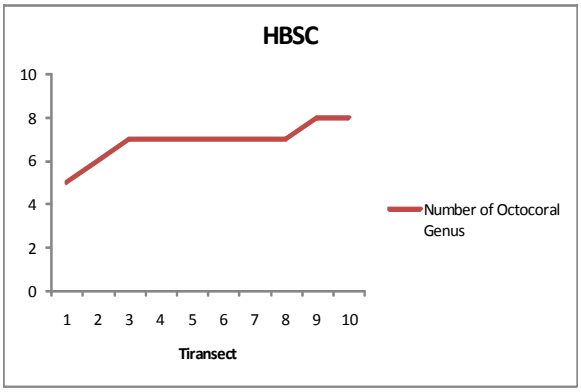


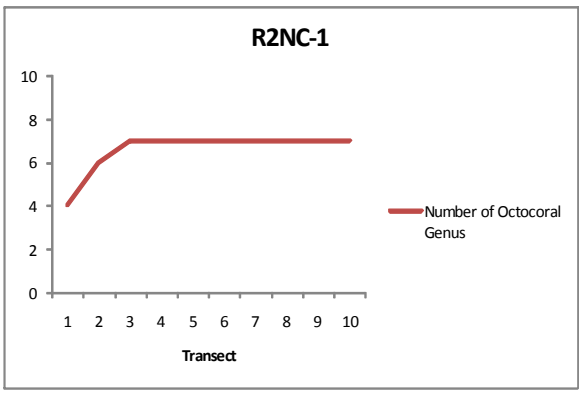
Sceleractinian Coral Species Rarefaction Curves

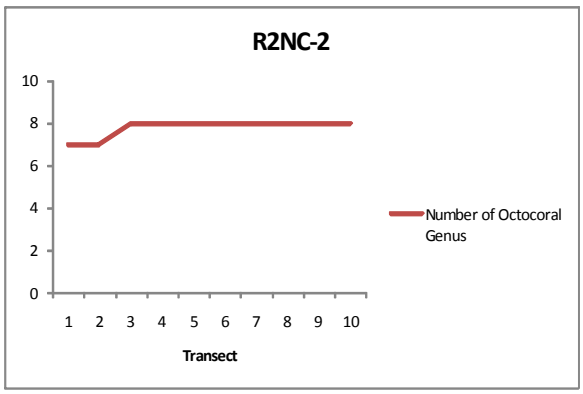


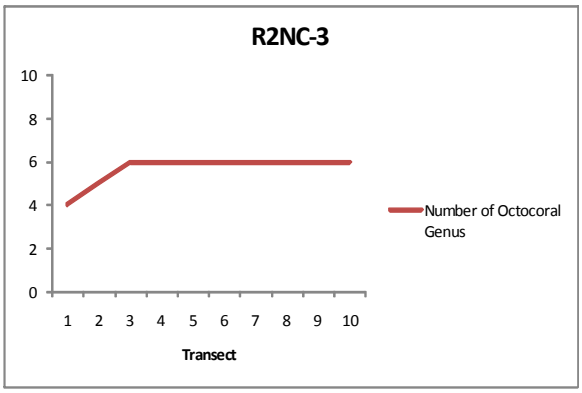


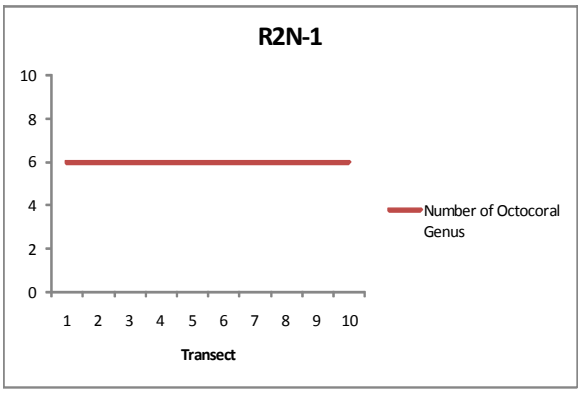




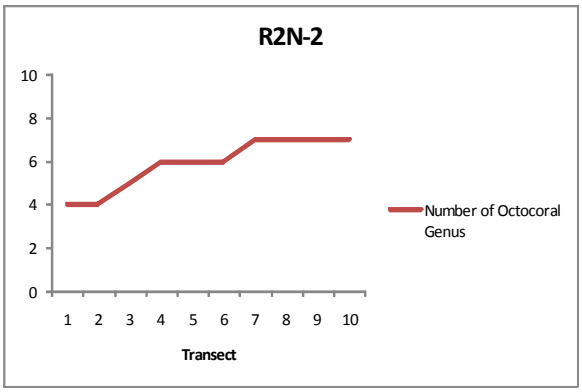


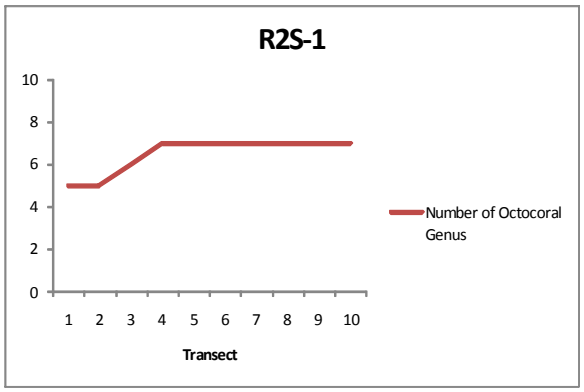


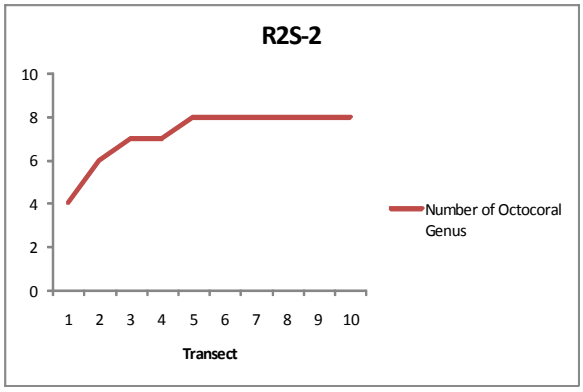


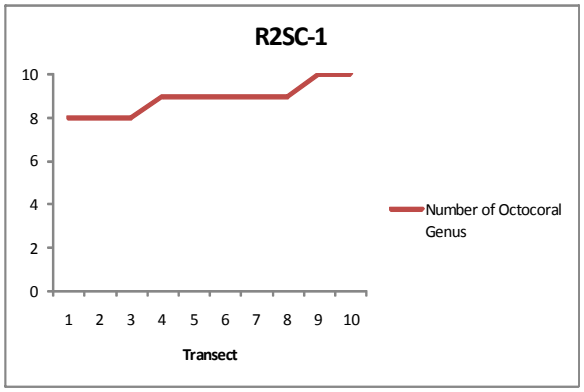


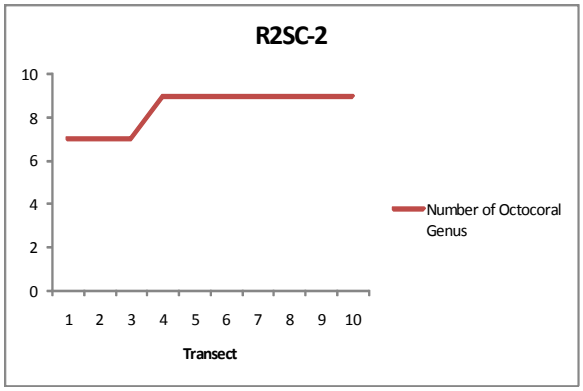
Octocoral Genus Rarefaction Curves

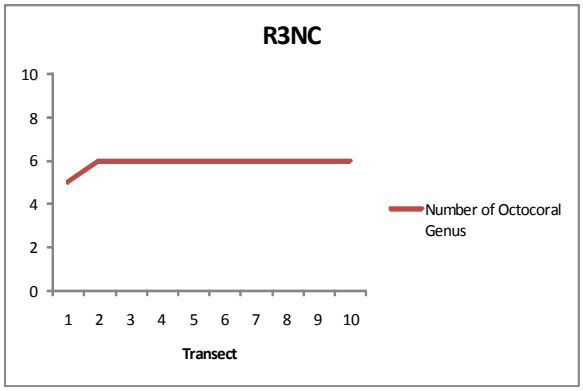


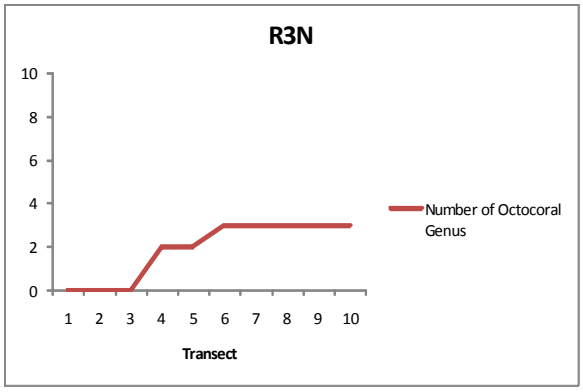


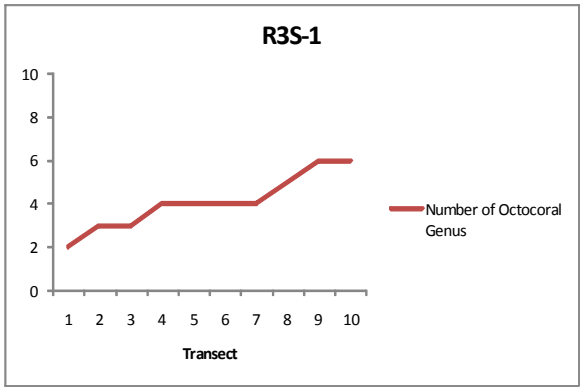




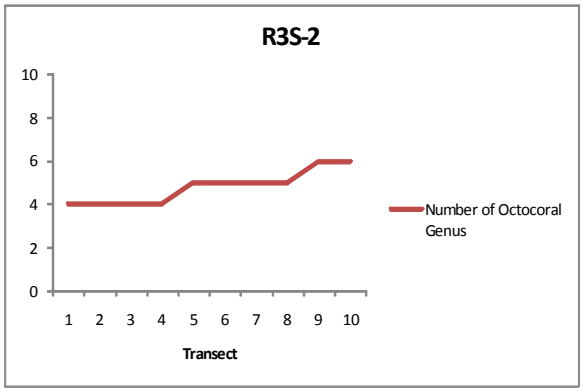


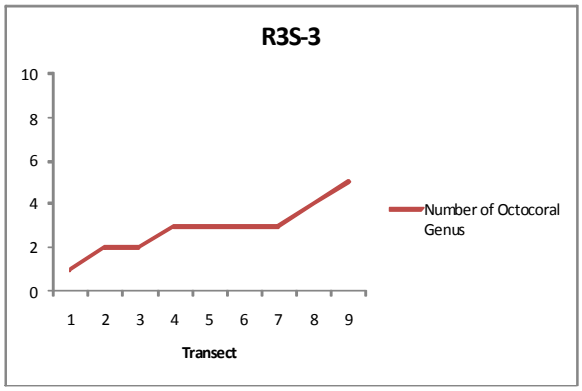


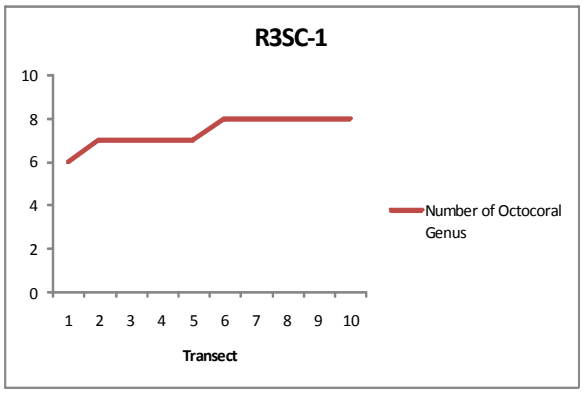


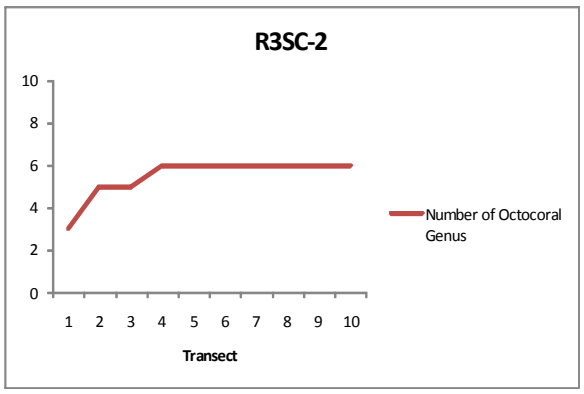


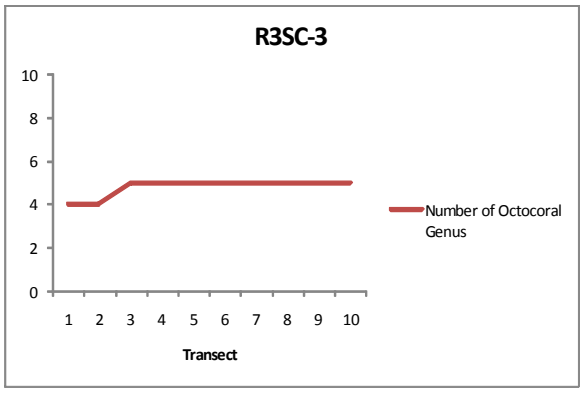
Octocoral Genus Rarefaction Curves











Octocoral Genus Rarefaction Curves

APPENDIX B

Pilot Study Videographic Transect Data

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: HBNC

TRANSECT NAME	T1	T10	T2	T3	T5	T6	T7	T7b	T8	T9			
Number of frames	**18**	**21**	**17**	**22**	**23**	**17**	**21**	**22**	**22**	**24**			
Total points	**450**	**525**	**425**	**550**	**575**	**425**	**525**	**550**	**550**	**600**			
Total points (minus tape+wand+shac	**413**	**485**	**395**	**492**	**510**	**389**	**476**	**504**	**492**	**547**			
MAJOR CATEGORY (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	0.00	0.00	0.25	0.00	0.20	0.00	0.42	0.99	0.20	0.00	0.21	0.31	0.10
GORGONIANS (G)	16.95	22.47	19.75	18.50	9.22	23.91	14.29	9.92	13.01	8.23	15.62	5.57	1.76
SPONGES (S)	0.24	1.65	0.51	1.02	1.57	3.60	1.05	1.39	0.81	0.73	1.26	0.94	0.30
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.02
MACROALGAE (MA)	56.90	61.44	49.11	56.91	70.20	56.81	53.36	62.90	61.18	26.33	55.51	11.74	3.71
OTHER LIVE (OL)	0.00	0.00	0.76	1.83	2.75	2.83	6.51	5.56	4.88	1.10	2.62	2.33	0.74
DEAD CORAL WITH ALGAE (DCA)	0.00	0.00	0.00	0.00	0.00	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	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	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	25.91	14.43	29.62	21.75	15.88	12.85	24.37	19.25	19.92	63.62	24.76	14.63	4.63
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	8.22	7.62	7.06	10.55	11.30	8.47	9.33	8.36	10.55	8.83	9.03	1.38	0.44
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)													
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.20	0.20	0.00	0.07	0.11	0.03

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.40	0.00	0.00	0.08	0.17	0.05
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.40	0.00	0.00	0.06	0.13	0.04
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)													
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.08	0.25	0.08
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	13.08	21.44	8.61	15.45	6.08	13.11	9.24	7.54	11.18	7.50	11.32	4.64	1.47
Erythropodium (ERY)	0.00	0.00	2.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.72	0.23
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.04	0.12	0.04
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.00	0.00	0.00	0.61	1.76	2.31	1.68	0.79	0.00	0.00	0.72	0.89	0.28
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0.00	0.00	2.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.72	0.23
Plexaurella (PRELA)	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.06	0.19	0.06
Pseudoplexaura (PSDP)	3.63	1.03	4.30	1.02	0.20	5.14	0.84	0.79	0.00	0.00	1.70	1.91	0.60
Pseudopterogorgia (PSPT)	0.00	0.00	2.28	1.42	0.20	3.34	2.52	0.00	1.83	0.73	1.23	1.22	0.39
Pterogorgia (PTER)	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.08	0.02
SPONGES (S)													
Sponge (SPO)	0.24	1.65	0.51	1.02	1.57	3.60	1.05	1.39	0.81	0.73	1.26	0.94	0.30
ZOANTHIDS (Z)													
Palythoa sp. (PAL)	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.02
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)													
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0.00	1.03	0.00	0.00	0.00	0.26	0.00	1.59	1.22	0.00	0.41	0.62	0.20
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	56.90	60.41	49.11	56.91	70.20	56.56	53.36	61.31	59.96	26.33	55.10	11.52	3.64
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)													
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.76	1.83	2.75	2.83	6.51	5.56	4.88	1.10	2.62	2.33	0.74
DEAD CORAL WITH ALGAE (DCA)													
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)													
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)													
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)													
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	25.91	14.43	29.62	21.75	15.88	12.85	24.37	19.25	19.92	63.62	24.76	14.63	4.63
UNKNOWNS (U)													
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)													
Shadow (SHAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tape (TAPE)	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.18	0.06
Wand (WAND)	8.22	7.05	7.06	10.55	11.30	8.47	9.33	8.36	10.55	8.83	8.97	1.46	0.46
NOTES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)													
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	0	0	1	0	1	0	2	5	1	0	10	1.00	1.56	0.49	1.09
GORGONIANS (G)	70	109	78	91	47	93	68	50	64	45	715	71.50	21.41	6.77	0.98
SPONGES (S)	1	8	2	5	8	14	5	7	4	4	58	5.80	3.71	1.17	0.00
ZOANTHIDS (Z)	0	0	0	0	1	0	0	0	0	0	1	0.10	0.32	0.10	0.00
MACROALGAE (MA)	235	298	194	280	358	221	254	317	301	144	2602	260.20	63.57	20.10	0.05
OTHER LIVE (OL)	0	0	3	9	14	11	31	28	24	6	126	12.60	11.43	3.62	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	107	70	117	107	81	50	116	97	98	348	1191	119.10	83.18	26.30	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	37	40	30	58	65	36	49	46	58	53	472	47.20	11.38	3.60	
TOTAL TRANSECT POINTS	**450**	**525**	**425**	**550**	**575**	**425**	**525**	**550**	**550**	**600**	**5175**				
SUBCATEGORIES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)															1.09
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0	0	1	0	0	0	0	1	1	0	3	0.30	0.48	0.15	0.36
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0	0	0	0	0	0	2	2	0	0	4	0.40	0.84	0.27	0.37
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	1	0	0	2	0	0	3	0.30	0.67	0.21	0.36
Tubastraea aurea (TA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

GORGONIANS (G)															0.98
Briareum (BRI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	4	0	0	4	0.40	1.26	0.40	0.03
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	54	104	34	76	31	51	44	38	55	41	528	52.80	22.20	7.02	0.22
Erythropodium (ERY)	0	0	9	0	0	0	0	0	0	0	9	0.90	2.85	0.90	0.06
Eunicea (EUN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0	0	0	0	2	0	0	0	0	0	2	0.20	0.63	0.20	0.02
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	0	0	0	3	9	9	8	4	0	0	33	3.30	3.97	1.26	0.14
Muriceopsis (MOPS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0	0	9	0	0	0	0	0	0	0	9	0.90	2.85	0.90	0.06
Plexaurella (PRELA)	0	0	0	0	3	0	0	0	0	0	3	0.30	0.95	0.30	0.02
Pseudoplexaura (PSDP)	15	5	17	5	1	20	4	4	0	0	71	7.10	7.40	2.34	0.23
Pseudopterogorgia (PSPT)	0	0	9	7	1	13	12	0	9	4	55	5.50	5.15	1.63	0.20
Pterogorgia (PTER)	1	0	0	0	0	0	0	0	0	0	1	0.10	0.32	0.10	0.01
SPONGES (S)															0.00
Sponge (SPO)	1	8	2	5	8	14	5	7	4	4	58	5.80	3.71	1.17	0.00
ZOANTHIDS (Z)															0.00
Palythoa sp. (PAL)	0	0	0	0	1	0	0	0	0	0	1	0.10	0.32	0.10	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)															0.05
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0	5	0	0	0	1	0	8	6	0	20	2.00	3.09	0.98	0.04
Padina (PAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	235	293	194	280	358	220	254	309	295	144	2582	258.20	62.15	19.65	0.01
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)															0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	3	9	14	11	31	28	24	6	126	12.60	11.43	3.62	0.00
DEAD CORAL WITH ALGAE (DCA)															0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)															0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)															0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)															0.00
Pavement (P)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	107	70	117	107	81	50	116	97	98	348	1191	119.10	83.18	26.30	0.00
UNKNOWNS (U)															0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)															
Shadow (SHAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Tape (TAPE)	0	3	0	0	0	0	0	0	0	0	3	0.30	0.95	0.30	
Wand (WAND)	37	37	30	58	65	36	49	46	58	53	469	46.90	11.63	3.68	
NOTES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)															
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**0.99**	**0.98**	**1.11**	**1.08**	**0.95**	**1.15**	**1.21**	**1.10**	**1.09**	**0.93**
CORAL (C)	0.00	0.00	0.02	0.00	0.01	0.00	0.02	0.05	0.01	0.00
GORGONIANS (G)	0.30	0.34	0.32	0.31	0.22	0.34	0.28	0.23	0.27	0.21
SPONGES (S)	0.01	0.07	0.03	0.05	0.07	0.12	0.05	0.06	0.04	0.04
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)	0.32	0.30	0.35	0.32	0.25	0.32	0.34	0.29	0.30	0.35
OTHER LIVE (OL)	0.00	0.00	0.04	0.07	0.10	0.10	0.18	0.16	0.15	0.05
DEAD CORAL WITH ALGAE (DCA)	0.00	0.00	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	0.00	0.00
DISEASED CORALS (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.35	0.28	0.36	0.33	0.29	0.26	0.34	0.32	0.32	0.29
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)										

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: HBN

TRANSECT NAME	HBN T1	HBN T10	HBN T2	HBN T3	HBN T4	HBN T5	HBN T6	HBN T7	HBN T8	HBN T9			
Number of frames	**30**	**27**	**28**	**26**	**27**	**26**	**31**	**28**	**26**	**27**			
Total points	**750**	**675**	**700**	**650**	**675**	**650**	**775**	**700**	**650**	**675**			
Total points (minus tape+wand+shad	**680**	**602**	**627**	**596**	**616**	**574**	**718**	**628**	**590**	**600**			
MAJOR CATEGORY (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	0.29	0.17	0.64	0.00	0.00	0.00	0.00	0.16	0.00	0.50	0.18	0.23	0.07
GORGONIANS (G)	6.18	6.48	18.50	13.93	13.31	20.91	11.70	14.01	13.39	4.50	12.29	5.30	1.68
SPONGES (S)	3.82	2.33	8.29	7.21	5.19	3.66	6.69	4.62	1.36	1.17	4.43	2.45	0.77
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)	44.12	44.02	50.72	50.50	51.30	28.57	30.64	64.01	45.59	49.17	45.86	10.29	3.25
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	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	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	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	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	45.59	47.01	21.85	28.36	30.19	46.86	50.97	17.20	39.66	44.67	37.24	11.90	3.76
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	9.33	10.81	10.43	8.31	8.74	11.69	7.35	10.29	9.23	11.11	9.73	1.37	0.43
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)													
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.00	0.17	0.64	0.00	0.00	0.00	0.00	0.16	0.00	0.50	0.15	0.23	0.07

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.09	0.03
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)													
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	0.59	2.49	1.75	0.17	6.01	4.18	3.06	4.78	6.27	1.00	3.03	2.21	0.70
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.03	0.11	0.03
Eunicea (EUN)	0.00	0.00	0.96	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.33	0.10
Gorgonia (GOR)	0.00	0.00	1.12	0.00	0.16	0.00	0.00	0.32	0.00	0.00	0.16	0.35	0.11
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.64	0.34	0.00	0.13	0.23	0.07
Muriceopsis (MOPS)	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.01
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.01	0.04	0.01
Plexaurella (PRELA)	0.29	0.33	2.39	3.36	0.81	2.09	0.00	1.43	0.00	1.17	1.19	1.13	0.36
Pseudoplexaura (PSDP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	5.15	3.32	12.12	9.90	6.33	14.29	8.50	6.85	6.78	2.33	7.56	3.74	1.18
Pterogorgia (PTER)	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.02
SPONGES (S)													
Sponge (SPO)	3.82	2.33	8.29	7.21	5.19	3.66	6.69	4.62	1.36	1.17	4.43	2.45	0.77
ZOANTHIDS (Z)													
Palythoa sp. (PAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)													
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.16	0.17	0.00	0.00	0.00	0.00	0.03	0.07	0.02

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	44.12	44.02	50.72	50.50	51.14	28.40	30.64	64.01	45.59	49.17	45.83	10.31	3.26
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)													
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)													
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)													
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)													
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)													
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	45.59	47.01	21.85	28.36	30.19	46.86	50.97	17.20	39.66	44.67	37.24	11.90	3.76
UNKNOWNS (U)													
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)													
Shadow (SHAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tape (TAPE)	0.13	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.23	0.07
Wand (WAND)	9.20	10.81	9.71	8.31	8.74	11.69	7.35	10.29	9.23	11.11	9.65	1.35	0.43
NOTES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)													
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	2	1	4	0	0	0	0	1	0	3	11	1.10	1.45	0.46	0.47
GORGONIANS (G)	42	39	116	83	82	120	84	88	79	27	760	76.00	31.21	9.87	1.07
SPONGES (S)	26	14	52	43	32	21	48	29	8	7	280	28.00	16.01	5.06	0.00
ZOANTHIDS (Z)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)	300	265	318	301	316	164	220	402	269	295	2850	285.00	63.11	19.96	0.01
OTHER LIVE (OL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	310	283	137	169	186	269	366	108	234	268	2330	233.00	81.50	25.77	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	70	73	73	54	59	76	57	72	60	75	669	66.90	8.39	2.65	
TOTAL TRANSECT POINTS	**750**	**675**	**700**	**650**	**675**	**650**	**775**	**700**	**650**	**675**	**6900**				
SUBCATEGORIES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)															0.47
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0	1	4	0	0	0	0	1	0	3	9	0.90	1.45	0.46	0.16
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	2	0	0	0	0	0	0	0	0	0	2	0.20	0.63	0.20	0.31
Tubastraea aurea (TA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

GORGONIANS (G)															1.07
Briareum (BRI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	4	15	11	1	37	24	22	30	37	6	187	18.70	13.33	4.22	0.35
Erythropodium (ERY)	0	0	0	0	0	2	0	0	0	0	2	0.20	0.63	0.20	0.02
Eunicea (EUN)	0	0	6	3	0	0	0	0	0	0	9	0.90	2.02	0.64	0.05
Gorgonia (GOR)	0	0	7	0	1	0	0	2	0	0	10	1.00	2.21	0.70	0.06
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	0	2	0	0	0	0	0	4	2	0	8	0.80	1.40	0.44	0.05
Muriceopsis (MOPS)	1	0	0	0	0	0	0	0	0	0	1	0.10	0.32	0.10	0.01
Plexaura (PAURA)	0	0	0	0	0	0	1	0	0	0	1	0.10	0.32	0.10	0.01
Plexaurella (PRELA)	2	2	15	20	5	12	0	9	0	7	72	7.20	6.78	2.14	0.22
Pseudoplexaura (PSDP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	35	20	76	59	39	82	61	43	40	14	469	46.90	22.35	7.07	0.30
Pterogorgia (PTER)	0	0	1	0	0	0	0	0	0	0	1	0.10	0.32	0.10	0.01
SPONGES (S)															0.00
Sponge (SPO)	26	14	52	43	32	21	48	29	8	7	280	28.00	16.01	5.06	0.00
ZOANTHIDS (Z)															0.00
Palythoa sp. (PAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)															0.01
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Padina (PAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	1	1	0	0	0	0	2	0.20	0.42	0.13	0.01
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	300	265	318	301	315	163	220	402	269	295	2848	284.80	63.27	20.01	0.00
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)															0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)															0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)															0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)															0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)															0.00
Pavement (P)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	310	283	137	169	186	269	366	108	234	268	2330	233.00	81.50	25.77	0.00
UNKNOWNS (U)															0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)															
Shadow (SHAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Tape (TAPE)	1	0	5	0	0	0	0	0	0	0	6	0.60	1.58	0.50	
Wand (WAND)	69	73	68	54	59	76	57	72	60	75	663	66.30	8.08	2.56	
NOTES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)															
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**1.03**	**0.99**	**1.23**	**1.17**	**1.13**	**1.16**	**1.14**	**1.02**	**1.05**	**0.93**
CORAL (C)	0.02	0.01	0.03	0.00	0.00	0.00	0.00	0.01	0.00	0.03
GORGONIANS (G)	0.17	0.18	0.31	0.27	0.27	0.33	0.25	0.28	0.27	0.14
SPONGES (S)	0.12	0.09	0.21	0.19	0.15	0.12	0.18	0.14	0.06	0.05
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)	0.36	0.36	0.34	0.35	0.34	0.36	0.36	0.29	0.36	0.35
OTHER LIVE (OL)	0.00	0.00	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	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	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	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.36	0.35	0.33	0.36	0.36	0.36	0.34	0.30	0.37	0.36
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)										

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: HBS

TRANSECT NAME	T1	T10	T2	T3	T4	T5	T6	T7	T8	T9			
Number of frames	**24**	**26**	**24**	**26**	**25**	**25**	**29**	**24**	**26**	**26**			
Total points	**600**	**650**	**600**	**650**	**625**	**625**	**725**	**600**	**650**	**650**			
Total points (minus tape+wand+shac	**547**	**592**	**538**	**581**	**575**	**554**	**653**	**561**	**595**	**583**			
MAJOR CATEGORY (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.05	0.12	0.04
GORGONIANS (G)	11.33	2.20	16.73	9.81	1.22	1.81	0.61	0.00	0.17	1.03	4.49	5.91	1.87
SPONGES (S)	2.19	0.51	0.93	0.52	0.87	0.00	0.00	0.00	0.00	0.34	0.54	0.68	0.22
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)	57.22	5.74	46.28	44.75	16.52	14.98	13.02	20.68	6.05	10.12	23.54	18.70	5.91
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	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	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	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	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	29.25	91.55	35.87	44.92	81.39	83.21	86.37	79.32	93.78	88.16	71.38	24.62	7.78
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	8.83	8.92	10.33	10.62	8.00	11.36	9.93	6.50	8.46	10.31	9.33	1.45	0.46
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)													
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.05	0.12	0.04

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)													
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	6.03	1.01	4.83	7.57	0.52	1.81	0.61	0.00	0.17	0.34	2.29	2.78	0.88
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.35	0.11
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.38	0.12
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	1.28	0.84	0.93	1.03	0.17	0.00	0.00	0.00	0.00	0.69	0.49	0.51	0.16
Pseudoplexaura (PSDP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	2.93	0.34	10.97	0.00	0.52	0.00	0.00	0.00	0.00	0.00	1.48	3.46	1.09
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)													
Sponge (SPO)	2.19	0.51	0.93	0.52	0.87	0.00	0.00	0.00	0.00	0.34	0.54	0.68	0.22
ZOANTHIDS (Z)													
Palythoa sp. (PAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)													
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0.00	0.00	0.00	0.00	0.00	0.00	0.15	3.21	0.00	0.00	0.34	1.01	0.32
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	57.22	5.74	46.28	44.75	16.52	14.98	12.86	17.47	6.05	10.12	23.20	18.79	5.94
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)													
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)													
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)													
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)													
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)													
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	29.25	91.55	35.87	44.92	81.39	83.21	86.37	79.32	93.78	88.16	71.38	24.62	7.78
UNKNOWNS (U)													
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)													
Shadow (SHAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	8.83	8.92	10.33	10.62	8.00	11.36	9.93	6.50	8.46	10.31	9.33	1.45	0.46
NOTES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)													
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	0	0	1	0	0	0	0	0	0	2	3	0.30	0.67	0.21	0.00
GORGONIANS (G)	62	13	90	57	7	10	4	0	1	6	250	25.00	32.17	10.17	1.14
SPONGES (S)	12	3	5	3	5	0	0	0	0	2	30	3.00	3.74	1.18	0.00
ZOANTHIDS (Z)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)	313	34	249	260	95	83	85	116	36	59	1330	133.00	101.77	32.18	0.07
OTHER LIVE (OL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	160	542	193	261	468	461	564	445	558	514	4166	416.60	153.62	48.58	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	53	58	62	69	50	71	72	39	55	67	596	59.60	10.63	3.36	
TOTAL TRANSECT POINTS	**600**	**650**	**600**	**650**	**625**	**625**	**725**	**600**	**650**	**650**	**6375**				
SUBCATEGORIES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)															0.00
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0	0	1	0	0	0	0	0	0	2	3	0.30	0.67	0.21	0.00
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

GORGONIANS (G)															1.14
Briareum (BRI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	33	6	26	44	3	10	4	0	1	2	129	12.90	15.65	4.95	0.34
Erythropodium (ERY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eunicea (EUN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	6	0	0	0	0	0	0	0	0	0	6	0.60	1.90	0.60	0.09
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	0	0	0	7	0	0	0	0	0	0	7	0.70	2.21	0.70	0.10
Muriceopsis (MOPS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	7	5	5	6	1	0	0	0	0	4	28	2.80	2.86	0.90	0.25
Pseudoplexaura (PSDP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	16	2	59	0	3	0	0	0	0	0	80	8.00	18.59	5.88	0.36
Pterogorgia (PTER)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)															0.00
Sponge (SPO)	12	3	5	3	5	0	0	0	0	2	30	3.00	3.74	1.18	0.00
ZOANTHIDS (Z)															0.00
Palythoa sp. (PAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)															0.07
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0	0	0	0	0	0	1	18	0	0	19	1.90	5.67	1.79	0.06
Padina (PAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	313	34	249	260	95	83	84	98	36	59	1311	131.10	102.31	32.35	0.01
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)															0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)															0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)															0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)															0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)															0.00
Pavement (P)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	160	542	193	261	468	461	564	445	558	514	4166	416.60	153.62	48.58	0.00
UNKNOWNS (U)															0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)															
Shadow (SHAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	53	58	62	69	50	71	72	39	55	67	596	59.60	10.63	3.36	
NOTES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)															
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**1.01**	**0.36**	**1.08**	**0.97**	**0.56**	**0.51**	**0.42**	**0.51**	**0.24**	**0.43**
CORAL (C)	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02
GORGONIANS (G)	0.25	0.08	0.30	0.23	0.05	0.07	0.03	0.00	0.01	0.05
SPONGES (S)	0.08	0.03	0.04	0.03	0.04	0.00	0.00	0.00	0.00	0.02
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)	0.32	0.16	0.36	0.36	0.30	0.28	0.27	0.33	0.17	0.23
OTHER LIVE (OL)	0.00	0.00	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	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	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	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.36	0.08	0.37	0.36	0.17	0.15	0.13	0.18	0.06	0.11
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)										

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: HBSC

TRANSECT NAME	T1	T10	T2	T3	T4	T5	T6	T7	T8	T9			
Number of frames	**25**	**21**	**24**	**22**	**24**	**25**	**20**	**20**	**20**	**21**			
Total points	**625**	**525**	**600**	**550**	**600**	**625**	**500**	**500**	**500**	**525**			
Total points (minus tape+wand+shadow	**555**	**473**	**535**	**491**	**553**	**557**	**448**	**420**	**458**	**477**			
MAJOR CATEGORY (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	0.00	0.00	0.19	0.41	0.00	0.00	2.68	0.00	0.44	0.00	0.37	0.83	0.26
GORGONIANS (G)	8.11	12.26	5.79	5.91	18.99	7.90	10.27	6.43	5.90	13.84	9.54	4.35	1.38
SPONGES (S)	0.90	1.27	1.12	0.81	2.17	3.05	5.13	1.90	7.42	2.52	2.63	2.12	0.67
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.00	0.00	0.42	0.18	0.43	0.14
MACROALGAE (MA)	48.11	55.81	73.83	66.40	55.88	59.96	50.67	40.71	31.44	33.12	51.59	13.74	4.34
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00	0.11	0.34	0.11
DEAD CORAL WITH ALGAE (DCA)	0.00	0.00	0.00	0.00	0.00	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	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	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	42.88	30.66	19.07	26.48	22.97	28.01	29.91	50.95	54.80	50.10	35.58	12.90	4.08
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	11.20	9.90	10.83	10.73	7.83	10.88	10.40	16.00	8.40	9.14	10.53	2.23	0.71
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)													
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.00	0.00	0.00	0.00	0.00	0.00	2.23	0.00	0.00	0.00	0.22	0.71	0.22

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.04	0.14	0.04
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.04	0.14	0.04
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.13	0.04
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.02
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)													
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	7.03	12.26	5.05	4.89	6.51	6.28	6.92	5.24	3.71	11.74	6.96	2.85	0.90
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0.00	0.00	0.00	0.00	3.62	0.54	0.89	0.48	0.00	0.00	0.55	1.12	0.36
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.18	0.00	0.00	0.00	1.81	0.00	0.00	0.00	1.09	0.00	0.31	0.63	0.20
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.08	0.27	0.08
Plexaurella (PRELA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0.00	0.00	0.56	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.15	0.32	0.10
Pseudopterogorgia (PSPT)	0.90	0.00	0.19	1.02	7.05	1.08	1.56	0.71	1.09	1.26	1.49	2.01	0.64
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)													
Sponge (SPO)	0.90	1.27	1.12	0.81	2.17	3.05	5.13	1.90	7.42	2.52	2.63	2.12	0.67
ZOANTHIDS (Z)													
Palythoa sp. (PAL)	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.00	0.00	0.42	0.18	0.43	0.14
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)													
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0.18	1.06	0.37	0.00	0.00	0.00	0.45	0.00	0.22	0.00	0.23	0.34	0.11
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	47.93	54.76	73.46	66.40	55.88	59.96	50.22	40.71	31.22	33.12	51.37	13.68	4.33
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)													
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00	0.11	0.34	0.11
DEAD CORAL WITH ALGAE (DCA)													
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)													
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)													
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)													
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	42.88	30.66	19.07	26.48	22.97	28.01	29.91	50.95	54.80	50.10	35.58	12.90	4.08
UNKNOWNS (U)													
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)													
Shadow (SHAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	11.20	9.90	10.83	10.73	7.83	10.88	10.40	16.00	8.40	9.14	10.53	2.23	0.71
NOTES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II) (PL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)													
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	0	0	1	2	0	0	12	0	2	0	17	1.70	3.71	1.17	1.23
GORGONIANS (G)	45	58	31	29	105	44	46	27	27	66	478	47.80	24.11	7.63	0.92
SPONGES (S)	5	6	6	4	12	17	23	8	34	12	127	12.70	9.58	3.03	0.00
ZOANTHIDS (Z)	0	0	0	0	0	0	6	0	0	2	8	0.80	1.93	0.61	0.00
MACROALGAE (MA)	267	264	395	326	309	334	227	171	144	158	2595	259.50	83.92	26.54	0.03
OTHER LIVE (OL)	0	0	0	0	0	6	0	0	0	0	6	0.60	1.90	0.60	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	238	145	102	130	127	156	134	214	251	239	1736	173.60	55.72	17.62	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	70	52	65	59	47	68	52	80	42	48	583	58.30	12.14	3.84	
TOTAL TRANSECT POINTS	**625**	**525**	**600**	**550**	**600**	**625**	**500**	**500**	**500**	**525**	**5550**				
SUBCATEGORIES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)															1.23
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0	0	0	0	0	0	10	0	0	0	10	1.00	3.16	1.00	0.31
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	2	0	2	0.20	0.63	0.20	0.25
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	0	0	0	0	0	2	0	0	0	2	0.20	0.63	0.20	0.25
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0	0	0	2	0	0	0	0	0	0	2	0.20	0.63	0.20	0.25
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	1	0	0	0	0	0	0	0	1	0.10	0.32	0.10	0.17
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

GORGONIANS (G)															0.92
Briareum (BRI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	39	58	27	24	36	35	31	22	17	56	345	34.50	13.66	4.32	0.24
Erythropodium (ERY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eunicea (EUN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0	0	0	0	20	3	4	2	0	0	29	2.90	6.19	1.96	0.17
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	1	0	0	0	10	0	0	0	5	0	16	1.60	3.34	1.06	0.11
Muriceopsis (MOPS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0	0	0	0	0	0	0	0	0	4	4	0.40	1.26	0.40	0.04
Plexaurella (PRELA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0	0	3	0	0	0	4	0	0	0	7	0.70	1.49	0.47	0.06
Pseudopterogorgia (PSPT)	5	0	1	5	39	6	7	3	5	6	77	7.70	11.23	3.55	0.29
Pterogorgia (PTER)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)															0.00
Sponge (SPO)	5	6	6	4	12	17	23	8	34	12	127	12.70	9.58	3.03	0.00
ZOANTHIDS (Z)															0.00
Palythoa sp. (PAL)	0	0	0	0	0	0	6	0	0	2	8	0.80	1.93	0.61	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)															0.03
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	1	5	2	0	0	0	2	0	1	0	11	1.10	1.60	0.50	0.02
Padina (PAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	266	259	393	326	309	334	225	171	143	158	2584	258.40	83.78	26.49	0.00
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)															0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	6	0	0	0	0	6	0.60	1.90	0.60	0.00
DEAD CORAL WITH ALGAE (DCA)															0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)															0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)															0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)															0.00
Pavement (P)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	238	145	102	130	127	156	134	214	251	239	1736	173.60	55.72	17.62	0.00
UNKNOWNS (U)															0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)															
Shadow (SHAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	70	52	65	59	47	68	52	80	42	48	583	58.30	12.14	3.84	
NOTES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)															
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**0.96**	**1.00**	**0.77**	**0.85**	**1.06**	**1.02**	**1.25**	**0.96**	**1.08**	**1.10**
CORAL (C)	0.00	0.00	0.01	0.02	0.00	0.00	0.10	0.00	0.02	0.00
GORGONIANS (G)	0.20	0.26	0.17	0.17	0.32	0.20	0.23	0.18	0.17	0.27
SPONGES (S)	0.04	0.06	0.05	0.04	0.08	0.11	0.15	0.08	0.19	0.09
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.02
MACROALGAE (MA)	0.35	0.33	0.22	0.27	0.33	0.31	0.34	0.37	0.36	0.37
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	0.05	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	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	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	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.36	0.36	0.32	0.35	0.34	0.36	0.36	0.34	0.33	0.35
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)										

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: R2NC1

TRANSECT NAME	T1	T2	T3	T4	T5			
Number of frames	**21**	**19**	**22**	**20**	**6**			
Total points	**525**	**475**	**550**	**500**	**150**			
Total points (minus tape+wand+shado	**472**	**444**	**513**	**455**	**140**			
MAJOR CATEGORY (% of transect)						**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	7.63	7.66	2.53	5.27	0.00	4.62	3.33	1.49
GORGONIANS (G)	3.81	3.60	0.97	7.69	2.14	3.65	2.54	1.14
SPONGES (S)	6.14	8.11	3.31	2.64	2.86	4.61	2.41	1.08
ZOANTHIDS (Z)	9.11	6.08	0.58	11.65	0.00	5.48	5.14	2.30
MACROALGAE (MA)	54.66	60.81	40.74	62.64	67.14	57.20	10.23	4.58
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)	18.64	13.74	51.85	10.11	27.86	24.44	16.71	7.47
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	10.10	6.53	6.73	9.00	6.67	7.80	1.64	0.73
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)						**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)								
Acropora cervicornis (AC)	0.00	0.00	0.19	0.00	0.00	0.04	0.09	0.04
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	5.08	3.83	0.78	5.27	0.00	2.99	2.46	1.10
Montastrea faveolata (MFAV)	2.12	3.83	1.56	0.00	0.00	1.50	1.61	0.72
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.42	0.00	0.00	0.00	0.00	0.08	0.19	0.08
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)								
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	0.85	1.80	0.97	3.30	2.14	1.81	0.99	0.44
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0.00	0.23	0.00	0.66	0.00	0.18	0.29	0.13
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.00	0.00	0.00	0.66	0.00	0.13	0.29	0.13
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	2.97	1.58	0.00	3.08	0.00	1.52	1.51	0.68
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)								
Sponge (SPO)	6.14	8.11	3.31	2.64	2.86	4.61	2.41	1.08
ZOANTHIDS (Z)								
Palythoa sp. (PAL)	9.11	6.08	0.58	11.65	0.00	5.48	5.14	2.30
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)								
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	7.63	7.66	8.38	3.30	0.00	5.39	3.62	1.62
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	47.03	53.15	32.36	59.34	67.14	51.81	13.18	5.89
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)								
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)								
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)								
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)								
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)								
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	18.64	13.74	51.85	10.11	27.86	24.44	16.71	7.47
UNKNOWNS (U)								
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)								
Shadow (SHAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	10.10	6.53	6.73	9.00	6.67	7.80	1.64	0.73
NOTES (% of transect)						**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II) (P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)								
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (P	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	

MAJOR CATEGORY (occurring in transect)						**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	36	34	13	24	0	107	21.40	15.06	6.73	0.77
GORGONIANS (G)	18	16	5	35	3	77	15.40	12.78	5.71	1.00
SPONGES (S)	29	36	17	12	4	98	19.60	12.90	5.77	0.00
ZOANTHIDS (Z)	43	27	3	53	0	126	25.20	23.56	10.54	0.00
MACROALGAE (MA)	258	270	209	285	94	1116	223.20	77.64	34.72	0.36
OTHER LIVE (OL)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	88	61	266	46	39	500	100.00	94.68	42.34	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	53	31	37	45	10	176	35.20	16.35	7.31	
TOTAL TRANSECT POINTS	**525**	**475**	**550**	**500**	**150**	**2200**				

SUBCATEGORIES (occurring in transect)						**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)										0.77
Acropora cervicornis (AC)	0	0	1	0	0	1	0.20	0.45	0.20	0.04
Acropora palmata (AP)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral juvenile (CORJU)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora complanata (MILC)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	24	17	4	24	0	69	13.80	11.23	5.02	0.28
Montastrea faveolata (MFAV)	10	17	8	0	0	35	7.00	7.21	3.22	0.37
Montastrea franksi (MFRN)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	2	0	0	0	0	2	0.40	0.89	0.40	0.07
Solenastrea hyades (SH)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	0	0	0	0	0	0.00	0.00	0.00	0.00

GORGONIANS (G)										1.00
Briareum (BRI)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	4	8	5	15	3	35	7.00	4.85	2.17	0.36
Erythropodium (ERY)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eunicea (EUN)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0	1	0	3	0	4	0.80	1.30	0.58	0.15
Gorgonian (GORG)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	0	0	0	3	0	3	0.60	1.34	0.60	0.13
Muriceopsis (MOPS)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	14	7	0	14	0	35	7.00	7.00	3.13	0.36
Pterogorgia (PTER)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)										0.00
Sponge (SPO)	29	36	17	12	4	98	19.60	12.90	5.77	0.00
ZOANTHIDS (Z)										0.00
Palythoa sp. (PAL)	43	27	3	53	0	126	25.20	23.56	10.54	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)										0.36
Amphiroa (AMP)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	36	34	43	15	0	128	25.60	17.67	7.90	0.25
Padina (PAD)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	222	236	166	270	94	988	197.60	69.00	30.86	0.11
Wrangelia (WRAN)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)										0.00

Ascidian (ASC)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)										0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)										0.00
Coralline algae (CALG)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)										0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)										0.00
Pavement (P)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	88	61	266	46	39	500	100.00	94.68	42.34	0.00
UNKNOWNS (U)										0.00
Unknown (UNK)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)										
Shadow (SHAD)	0	0	0	0	0	0	0.00	0.00	0.00	
Tape (TAPE)	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	53	31	37	45	10	176	35.20	16.35	7.31	

NOTES (occurring in transect)						**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (P	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)										
Aspergillus (ASP)	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (P	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**1.35**	**1.27**	**0.99**	**1.22**	**0.81**
CORAL (C)	0.20	0.20	0.09	0.16	0.00
GORGONIANS (G)	0.12	0.12	0.05	0.20	0.08
SPONGES (S)	0.17	0.20	0.11	0.10	0.10
ZOANTHIDS (Z)	0.22	0.17	0.03	0.25	0.00
MACROALGAE (MA)	0.33	0.30	0.37	0.29	0.27
OTHER LIVE (OL)	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
CORALLINE ALGAE (CA)	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.31	0.27	0.34	0.23	0.36
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)					

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: R2NC3

TRANSECT NAME	T1	T10	T2	T3	T4	T5	T6	T7	T8	T9			
Number of frames	**21**	**21**	**23**	**23**	**21**	**20**	**20**	**22**	**21**	**21**			
Total points	**525**	**525**	**575**	**575**	**525**	**500**	**500**	**550**	**525**	**525**			
Total points (minus tape+wand+shado	**460**	**479**	**515**	**523**	**477**	**463**	**433**	**492**	**480**	**484**			
MAJOR CATEGORY (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	0.22	0.00	1.75	0.00	5.66	0.00	3.93	4.88	2.29	0.00	1.87	2.22	0.70
GORGONIANS (G)	5.43	4.80	4.85	1.91	5.45	9.29	7.39	3.46	5.21	2.27	5.01	2.21	0.70
SPONGES (S)	6.52	11.69	3.11	4.40	6.08	3.02	6.70	3.66	3.96	4.75	5.39	2.59	0.82
ZOANTHIDS (Z)	0.00	0.42	0.19	1.72	0.00	0.00	2.31	7.11	0.00	0.00	1.18	2.24	0.71
MACROALGAE (MA)	66.52	75.78	64.85	83.17	75.47	81.64	70.67	74.80	79.38	87.40	75.97	7.22	2.28
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	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	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	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	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	21.30	7.31	25.24	8.80	7.34	6.05	9.01	6.10	9.17	5.58	10.59	6.87	2.17
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	12.38	8.76	10.43	9.04	9.14	7.40	13.40	10.55	8.57	7.81	9.75	1.94	0.61
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)													
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.43	0.14
Coral (general) (CORAL)	0.00	0.00	0.39	0.00	0.42	0.00	0.23	0.00	0.00	0.00	0.10	0.17	0.05

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.00	0.00	0.14	0.45	0.14
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.07	0.02
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0.00	0.00	0.00	0.00	5.24	0.00	3.70	3.46	2.29	0.00	1.47	2.02	0.64
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)													
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	4.35	3.55	4.08	0.96	4.61	7.99	4.85	0.41	0.83	1.86	3.35	2.35	0.74
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.05	0.15	0.05
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0.00	0.00	0.00	0.00	0.00	0.65	0.92	0.00	0.00	0.00	0.16	0.34	0.11
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.00	0.42	0.00	0.00	0.84	0.65	0.46	2.24	0.83	0.41	0.58	0.66	0.21
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	1.09	0.84	0.78	0.96	0.00	0.00	0.69	0.81	3.54	0.00	0.87	1.03	0.33
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)													
Sponge (SPO)	6.52	11.69	3.11	4.40	6.08	3.02	6.70	3.66	3.96	4.75	5.39	2.59	0.82
ZOANTHIDS (Z)													
Palythoa sp. (PAL)	0.00	0.42	0.19	1.72	0.00	0.00	2.31	7.11	0.00	0.00	1.18	2.24	0.71
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)													
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	3.48	6.68	2.14	6.31	5.87	4.75	4.39	8.33	7.50	7.64	5.71	1.99	0.63
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	63.04	69.10	62.72	76.86	69.60	76.89	66.28	66.46	71.88	79.75	70.26	5.97	1.89
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)													
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)													
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)													
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)													
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)													
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	21.30	7.31	25.24	8.80	7.34	6.05	9.01	6.10	9.17	5.58	10.59	6.87	2.17
UNKNOWNS (U)													
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)													
Shadow (SHAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	12.38	8.76	10.43	9.04	9.14	7.40	13.40	10.55	8.57	7.81	9.75	1.94	0.61
NOTES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II) (F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)													
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	1	0	9	0	27	0	17	24	11	0	89	8.90	10.57	3.34	0.81
GORGONIANS (G)	25	23	25	10	26	43	32	17	25	11	237	23.70	9.70	3.07	0.97
SPONGES (S)	30	56	16	23	29	14	29	18	19	23	257	25.70	12.06	3.81	0.00
ZOANTHIDS (Z)	0	2	1	9	0	0	10	35	0	0	57	5.70	10.99	3.47	0.00
MACROALGAE (MA)	306	363	334	435	360	378	306	368	381	423	3654	365.40	43.01	13.60	0.27
OTHER LIVE (OL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	98	35	130	46	35	28	39	30	44	27	512	51.20	34.52	10.92	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	65	46	60	52	48	37	67	58	45	41	519	51.90	10.22	3.23	
TOTAL TRANSECT POINTS	**525**	**525**	**575**	**575**	**525**	**500**	**500**	**550**	**525**	**525**	**5325**				
SUBCATEGORIES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)															0.81
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	7	0	0	0	0	0	0	0	7	0.70	2.21	0.70	0.20
Coral (general) (CORAL)	0	0	2	0	2	0	1	0	0	0	5	0.50	0.85	0.27	0.16
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	0	0	0	0	0	0	7	0	0	7	0.70	2.21	0.70	0.20
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	1	0	0	0	0	0	0	0	0	0	1	0.10	0.32	0.10	0.05
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0	0	0	0	25	0	16	17	11	0	69	6.90	9.52	3.01	0.20
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

GORGONIANS (G)															0.97
Briareum (BRI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	20	17	21	5	22	37	21	2	4	9	158	15.80	10.82	3.42	0.27
Erythropodium (ERY)	0	0	0	0	0	0	2	0	0	0	2	0.20	0.63	0.20	0.04
Eunicea (EUN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0	0	0	0	0	3	4	0	0	0	7	0.70	1.49	0.47	0.10
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	0	2	0	0	4	3	2	11	4	2	28	2.80	3.26	1.03	0.25
Muriceopsis (MOPS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	5	4	4	5	0	0	3	4	17	0	42	4.20	4.94	1.56	0.31
Pterogorgia (PTER)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)															0.00
Sponge (SPO)	30	56	16	23	29	14	29	18	19	23	257	25.70	12.06	3.81	0.00
ZOANTHIDS (Z)															0.00
Palythoa sp. (PAL)	0	2	1	9	0	0	10	35	0	0	57	5.70	10.99	3.47	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)															0.27
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	16	32	11	33	28	22	19	41	36	37	275	27.50	10.01	3.17	0.19
Padina (PAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	290	331	323	402	332	356	287	327	345	386	3379	337.90	36.68	11.60	0.07
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)															0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)															0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)															0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)															0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)															0.00
Pavement (P)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	98	35	130	46	35	28	39	30	44	27	512	51.20	34.52	10.92	0.00
UNKNOWNS (U)															0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)															
Shadow (SHAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	65	46	60	52	48	37	67	58	45	41	519	51.90	10.22	3.23	
NOTES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (F	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)															
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (F	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**0.95**	**0.82**	**0.97**	**0.65**	**0.90**	**0.66**	**1.05**	**0.96**	**0.77**	**0.51**
CORAL (C)	0.01	0.00	0.07	0.00	0.16	0.00	0.13	0.15	0.09	0.00
GORGONIANS (G)	0.16	0.15	0.15	0.08	0.16	0.22	0.19	0.12	0.15	0.09
SPONGES (S)	0.18	0.25	0.11	0.14	0.17	0.11	0.18	0.12	0.13	0.14
ZOANTHIDS (Z)	0.00	0.02	0.01	0.07	0.00	0.00	0.09	0.19	0.00	0.00
MACROALGAE (MA)	0.27	0.21	0.28	0.15	0.21	0.17	0.25	0.22	0.18	0.12
OTHER LIVE (OL)	0.00	0.00	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	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	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	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.33	0.19	0.35	0.21	0.19	0.17	0.22	0.17	0.22	0.16
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)										

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: R2N1

TRANSECT NAME	T10	T8	T7	T9	T1	T3	T4	T5	T6	T2			
Number of frames	**22**	**24**	**20**	**22**	**20**	**21**	**18**	**19**	**20**	**18**			
Total points	**550**	**600**	**500**	**550**	**500**	**525**	**450**	**475**	**500**	**450**			
Total points (minus tape+wand+shadow)	**510**	**541**	**457**	**504**	**462**	**474**	**414**	**423**	**455**	**411**			
MAJOR CATEGORY (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	0.00	0.18	0.00	0.00	0.00	1.27	0.00	3.07	0.44	0.73	0.57	0.98	0.31
GORGONIANS (G)	11.57	4.81	10.50	12.30	18.40	19.20	14.49	16.55	7.69	7.54	12.31	4.85	1.53
SPONGES (S)	8.82	4.81	2.84	11.71	2.38	1.69	8.70	0.71	4.84	2.19	4.87	3.68	1.16
ZOANTHIDS (Z)	0.00	0.00	0.88	0.20	0.87	0.00	0.24	0.00	5.05	3.89	1.11	1.82	0.58
MACROALGAE (MA)	74.51	57.86	84.68	68.45	78.35	77.85	75.85	78.25	80.66	79.56	75.60	7.53	2.38
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	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	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	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	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	5.10	32.35	1.09	7.34	0.00	0.00	0.72	1.18	1.32	6.08	5.52	9.80	3.10
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.02	0.07	0.02
TAPE, WAND, SHADOW (TWS)	7.27	9.83	8.60	8.36	7.60	9.71	8.00	10.95	9.00	8.67	8.80	1.12	0.35
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)													
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.44	0.00	0.09	0.19	0.06

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.06	0.20	0.06
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.09	0.23	0.07
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.60	0.00	0.00	0.26	0.82	0.26
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.06	0.20	0.06
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)													
Briareum (BRI)	0.00	0.18	0.00	0.20	0.00	0.00	0.24	0.00	0.00	0.00	0.06	0.10	0.03
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00	0.00	0.08	0.27	0.08
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	3.14	1.66	5.25	5.75	14.94	16.88	9.66	11.35	6.37	3.65	7.87	5.15	1.63
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0.00	0.00	0.00	0.00	0.00	0.21	2.42	0.71	1.32	0.00	0.47	0.81	0.26
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.59	2.77	1.31	1.79	0.00	1.27	2.17	4.02	0.00	3.16	1.71	1.34	0.42
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00	0.09	0.27	0.09
Plexaurella (PRELA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0.00	0.00	0.22	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.31	0.10
Pseudopterogorgia (PSPT)	7.84	0.18	3.72	3.57	2.60	0.00	0.00	0.47	0.00	0.73	1.91	2.56	0.81
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)													
Sponge (SPO)	8.82	4.81	2.84	11.71	2.38	1.69	8.70	0.71	4.84	2.19	4.87	3.68	1.16
ZOANTHIDS (Z)													
Palythoa sp. (PAL)	0.00	0.00	0.88	0.20	0.87	0.00	0.24	0.00	5.05	3.89	1.11	1.82	0.58
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)													
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	74.51	57.86	84.68	68.45	78.35	77.85	75.85	78.25	80.66	79.56	75.60	7.53	2.38
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)													
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)													
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)													
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)													
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)													
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	5.10	32.35	1.09	7.34	0.00	0.00	0.72	1.18	1.32	6.08	5.52	9.80	3.10
UNKNOWNS (U)													
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.02	0.07	0.02
TAPE, WAND, SHADOW (TWS)													
Shadow (SHAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	7.27	9.83	8.60	8.36	7.60	9.71	8.00	10.95	9.00	8.67	8.80	1.12	0.35
NOTES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II) (PLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)													
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	

MAJOR CATEGORY (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	0	1	0	0	0	6	0	13	2	3	25	2.50	4.17	1.32	1.46
GORGONIANS (G)	59	26	48	62	85	91	60	70	35	31	567	56.70	21.98	6.95	1.12
SPONGES (S)	45	26	13	59	11	8	36	3	22	9	232	23.20	18.33	5.80	0.00
ZOANTHIDS (Z)	0	0	4	1	4	0	1	0	23	16	49	4.90	8.02	2.54	0.00
MACROALGAE (MA)	380	313	387	345	362	369	314	331	367	327	3495	349.50	27.16	8.59	0.00
OTHER LIVE (OL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	26	175	5	37	0	0	3	5	6	25	282	28.20	53.16	16.81	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	1	0	0	1	0.10	0.32	0.10	0.00
TAPE, WAND, SHADOW (TWS)	40	59	43	46	38	51	36	52	45	39	449	44.90	7.28	2.30	
TOTAL TRANSECT POINTS	**550**	**600**	**500**	**550**	**500**	**525**	**450**	**475**	**500**	**450**	**5100**				

SUBCATEGORIES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)															1.46
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0	0	0	0	0	0	0	2	2	0	4	0.40	0.84	0.27	0.29
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	0	0	0	0	3	0	0	0	0	3	0.30	0.95	0.30	0.25
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0	1	0	0	0	0	0	0	0	3	4	0.40	0.97	0.31	0.29
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0	0	0	0	0	0	0	11	0	0	11	1.10	3.48	1.10	0.36
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	0	0	0	3	0	0	0	0	3	0.30	0.95	0.30	0.25
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

GORGONIANS (G)															1.12
Briareum (BRI)	0	1	0	1	0	0	1	0	0	0	3	0.30	0.48	0.15	0.03
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	4	0	0	0	0	4	0.40	1.26	0.40	0.03
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	16	9	24	29	69	80	40	48	29	15	359	35.90	23.56	7.45	0.29
Erythropodium (ERY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eunicea (EUN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0	0	0	0	0	1	10	3	6	0	20	2.00	3.43	1.09	0.12
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	3	15	6	9	0	6	9	17	0	13	78	7.80	5.94	1.88	0.27
Muriceopsis (MOPS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0	0	0	0	4	0	0	0	0	0	4	0.40	1.26	0.40	0.03
Plexaurella (PRELA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0	0	1	5	0	0	0	0	0	0	6	0.60	1.58	0.50	0.05
Pseudopterogorgia (PSPT)	40	1	17	18	12	0	0	2	0	3	93	9.30	12.94	4.09	0.30
Pterogorgia (PTER)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)															0.00
Sponge (SPO)	45	26	13	59	11	8	36	3	22	9	232	23.20	18.33	5.80	0.00
ZOANTHIDS (Z)															0.00
Palythoa sp. (PAL)	0	0	4	1	4	0	1	0	23	16	49	4.90	8.02	2.54	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)															0.00
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Padina (PAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	380	313	387	345	362	369	314	331	367	327	3495	349.50	27.16	8.59	0.00
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)															0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)															0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)															0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)															0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)															0.00
Pavement (P)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	26	175	5	37	0	0	3	5	6	25	282	28.20	53.16	16.81	0.00
UNKNOWNS (U)															0.00
Unknown (UNK)	0	0	0	0	0	0	0	1	0	0	1	0.10	0.32	0.10	0.00
TAPE, WAND, SHADOW (TWS)															
Shadow (SHAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	40	59	43	46	38	51	36	52	45	39	449	44.90	7.28	2.30	
NOTES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PLA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)															
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PLA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**0.83**	**0.99**	**0.57**	**0.97**	**0.63**	**0.64**	**0.75**	**0.70**	**0.75**	**0.79**
CORAL (C)	0.00	0.01	0.00	0.00	0.00	0.06	0.00	0.11	0.02	0.04
GORGONIANS (G)	0.25	0.15	0.24	0.26	0.31	0.32	0.28	0.30	0.20	0.19
SPONGES (S)	0.21	0.15	0.10	0.25	0.09	0.07	0.21	0.04	0.15	0.08
ZOANTHIDS (Z)	0.00	0.00	0.04	0.01	0.04	0.00	0.01	0.00	0.15	0.13
MACROALGAE (MA)	0.22	0.32	0.14	0.26	0.19	0.19	0.21	0.19	0.17	0.18
OTHER LIVE (OL)	0.00	0.00	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	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	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	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.15	0.37	0.05	0.19	0.00	0.00	0.04	0.05	0.06	0.17
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
TAPE, WAND, SHADOW (TWS)										

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: R2N2

TRANSECT NAME	T1	T10	T2	T3	T4	T5	T6	T7	T8	T9			
Number of frames	**26**	**25**	**22**	**23**	**22**	**24**	**22**	**21**	**20**	**21**			
Total points	**650**	**625**	**550**	**575**	**550**	**600**	**550**	**525**	**500**	**525**			
Total points (minus tape+wand+shadov	**594**	**560**	**477**	**509**	**498**	**549**	**505**	**483**	**449**	**486**			
MAJOR CATEGORY (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.45	1.44	0.26	0.49	0.15
GORGONIANS (G)	4.71	0.36	9.64	1.96	0.60	8.38	3.76	0.62	6.46	2.88	3.94	3.32	1.05
SPONGES (S)	2.36	6.43	1.89	3.14	1.81	4.55	2.97	3.73	5.12	3.50	3.55	1.47	0.47
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.45	0.00	0.07	0.15	0.05
MACROALGAE (MA)	62.63	71.61	67.92	56.78	67.67	68.85	77.03	67.08	81.96	83.54	70.51	8.33	2.63
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.02	0.06	0.02
DEAD CORAL WITH ALGAE (DCA)	0.00	0.00	0.00	0.00	0.00	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	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	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	30.30	21.61	20.55	38.11	29.92	17.30	16.24	28.36	5.57	8.64	21.66	10.20	3.23
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	8.62	10.40	13.27	11.48	9.45	8.50	8.18	8.00	10.20	7.43	9.55	1.81	0.57
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)													
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.04	0.13	0.04
Coral (general) (CORAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.04	0.14	0.04

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.05	0.17	0.05
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.21	0.04	0.08	0.03
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.08	0.26	0.08
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)													
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	2.86	0.00	8.39	1.77	0.60	0.55	3.56	0.21	2.23	1.65	2.18	2.48	0.78
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.12	0.39	0.12
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.00	0.36	0.42	0.20	0.00	0.00	0.20	0.00	2.67	0.00	0.38	0.82	0.26
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0.00	0.00	0.00	0.00	0.00	3.46	0.00	0.00	0.00	0.00	0.35	1.09	0.35
Pseudoplexaura (PSDP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	1.85	0.00	0.84	0.00	0.00	4.37	0.00	0.41	1.56	0.00	0.90	1.40	0.44
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)													
Sponge (SPO)	2.36	6.43	1.89	3.14	1.81	4.55	2.97	3.73	5.12	3.50	3.55	1.47	0.47
ZOANTHIDS (Z)													
Palythoa sp. (PAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.45	0.00	0.07	0.15	0.05
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)													
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	62.63	71.61	67.92	56.78	67.67	68.85	77.03	67.08	81.96	83.54	70.51	8.33	2.63
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)													
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.02	0.06	0.02
DEAD CORAL WITH ALGAE (DCA)													
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)													
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)													
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)													
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	30.30	21.61	20.55	38.11	29.92	17.30	16.24	28.36	5.57	8.64	21.66	10.20	3.23
UNKNOWNS (U)													
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)													
Shadow (SHAD)	0.15	0.00	0.18	0.17	0.00	0.00	0.18	0.00	0.00	0.00	0.07	0.09	0.03
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	8.46	10.40	13.09	11.30	9.45	8.50	8.00	8.00	10.20	7.43	9.48	1.77	0.56
NOTES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II) (P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)													
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	0	0	0	0	0	4	0	0	2	7	13	1.30	2.41	0.76	1.56
GORGONIANS (G)	28	2	46	10	3	46	19	3	29	14	200	20.00	16.79	5.31	1.22
SPONGES (S)	14	36	9	16	9	25	15	18	23	17	182	18.20	8.09	2.56	0.00
ZOANTHIDS (Z)	0	0	0	0	0	0	0	1	2	0	3	0.30	0.67	0.21	0.00
MACROALGAE (MA)	372	401	324	289	337	378	389	324	368	406	3588	358.80	38.47	12.16	0.00
OTHER LIVE (OL)	0	0	0	0	0	1	0	0	0	0	1	0.10	0.32	0.10	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	180	121	98	194	149	95	82	137	25	42	1123	112.30	55.05	17.41	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	56	65	73	66	52	51	45	42	51	39	540	54.00	11.07	3.50	
TOTAL TRANSECT POINTS	**650**	**625**	**550**	**575**	**550**	**600**	**550**	**525**	**500**	**525**	**5650**				
SUBCATEGORIES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)															1.56
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0	2	2	0.20	0.63	0.20	0.29
Coral (general) (CORAL)	0	0	0	0	0	0	0	0	2	0	2	0.20	0.63	0.20	0.29
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	0	0	0	0	3	0	0	0	0	3	0.30	0.95	0.30	0.34
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0	0	0	0	0	1	0	0	0	1	2	0.20	0.42	0.13	0.29
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	0	0	0	0	0	0	0	4	4	0.40	1.26	0.40	0.36
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

GORGONIANS (G)															1.22
Briareum (BRI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	17	0	40	9	3	3	18	1	10	8	109	10.90	11.97	3.78	0.33
Erythropodium (ERY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eunicea (EUN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0	0	0	0	0	0	0	0	0	6	6	0.60	1.90	0.60	0.11
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	0	2	2	1	0	0	1	0	12	0	18	1.80	3.68	1.16	0.22
Muriceopsis (MOPS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0	0	0	0	0	19	0	0	0	0	19	1.90	6.01	1.90	0.22
Pseudoplexaura (PSDP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	11	0	4	0	0	24	0	2	7	0	48	4.80	7.71	2.44	0.34
Pterogorgia (PTER)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)															0.00
Sponge (SPO)	14	36	9	16	9	25	15	18	23	17	182	18.20	8.09	2.56	0.00
ZOANTHIDS (Z)															0.00
Palythoa sp. (PAL)	0	0	0	0	0	0	0	1	2	0	3	0.30	0.67	0.21	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)															0.00
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Padina (PAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	372	401	324	289	337	378	389	324	368	406	3588	358.80	38.47	12.16	0.00
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)															0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	1	0	0	0	0	1	0.10	0.32	0.10	0.00
DEAD CORAL WITH ALGAE (DCA)															0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)															0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)															0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)															0.00
Pavement (P)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	180	121	98	194	149	95	82	137	25	42	1123	112.30	55.05	17.41	0.00
UNKNOWNS (U)															0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)															
Shadow (SHAD)	1	0	1	1	0	0	1	0	0	0	4	0.40	0.52	0.16	
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	55	65	72	65	52	51	44	42	51	39	536	53.60	10.83	3.43	
NOTES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (P	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)															
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (P	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**0.89**	**0.77**	**0.89**	**0.87**	**0.73**	**0.96**	**0.72**	**0.79**	**0.70**	**0.64**
CORAL (C)	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.02	0.06
GORGONIANS (G)	0.14	0.02	0.23	0.08	0.03	0.21	0.12	0.03	0.18	0.10
SPONGES (S)	0.09	0.18	0.07	0.11	0.07	0.14	0.10	0.12	0.15	0.12
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00
MACROALGAE (MA)	0.29	0.24	0.26	0.32	0.26	0.26	0.20	0.27	0.16	0.15
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	0.01	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	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	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	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.36	0.33	0.33	0.37	0.36	0.30	0.30	0.36	0.16	0.21
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)										

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: R2S1

TRANSECT NAME	T1	T10	T2	T3	T4	T5	T6	T7	T8	T9			
Number of frames	**24**	**21**	**23**	**23**	**22**	**22**	**23**	**22**	**20**	**24**			
Total points	**600**	**525**	**575**	**575**	**550**	**550**	**575**	**550**	**500**	**600**			
Total points (minus tape+wand+shadow	**60**	**414**	**389**	**305**	**387**	**390**	**430**	**225**	**275**	**457**			
MAJOR CATEGORY (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	0.00	0.72	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.24	0.08
GORGONIANS (G)	78.33	6.76	15.68	13.77	3.62	18.72	4.19	2.22	1.09	8.32	15.27	22.95	7.26
SPONGES (S)	0.00	0.24	3.08	0.00	1.03	1.03	4.65	0.00	0.36	0.22	1.06	1.57	0.50
ZOANTHIDS (Z)	0.00	3.38	0.00	0.00	2.07	0.00	0.00	2.22	17.09	0.00	2.48	5.29	1.67
MACROALGAE (MA)	11.67	76.33	77.63	73.44	91.47	78.97	89.30	64.44	64.00	86.87	71.41	22.99	7.27
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	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	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	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	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	10.00	12.56	3.60	12.46	1.81	1.28	1.86	31.11	17.45	4.60	9.67	9.38	2.97
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	90.00	21.14	32.35	46.96	29.64	29.09	25.22	59.09	45.00	23.83	40.23	21.23	6.71
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)													
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Diploria strigosa (DS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Millipora alcicornis (MILA)	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.10	0.03	
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Montastraea cavernosa (MC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Solenastrea bournoni (SB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.23	0.07
GORGONIANS (G)													
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	76.67	6.76	14.40	12.79	3.10	14.36	4.19	2.22	1.09	7.44	14.30	22.47	7.11
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	1.67	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.58	0.18
Muriceopsis (MOPS)	0.00	0.00	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.22	0.47	0.15
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0.00	0.00	0.00	0.00	0.00	4.36	0.00	0.00	0.00	0.00	0.44	1.38	0.44
Pseudoplexaura (PSDP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.05	0.16	0.05
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)													
Sponge (SPO)	0.00	0.24	3.08	0.00	1.03	1.03	4.65	0.00	0.36	0.22	1.06	1.57	0.50
ZOANTHIDS (Z)													
Palythoa sp. (PAL)	0.00	3.38	0.00	0.00	2.07	0.00	0.00	2.22	17.09	0.00	2.48	5.29	1.67
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)													
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	11.67	76.33	77.63	73.44	91.47	78.97	89.30	64.44	64.00	86.87	71.41	22.99	7.27
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)													
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)													
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)													
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)													
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)													
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	10.00	12.56	3.60	12.46	1.81	1.28	1.86	31.11	17.45	4.60	9.67	9.38	2.97
UNKNOWNS (U)													
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)													
Shadow (SHAD)	86.33	10.29	15.30	26.43	1.64	1.27	1.04	53.64	35.00	16.33	24.73	27.39	8.66
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	3.67	10.86	17.04	20.52	28.00	27.82	24.17	5.45	10.00	7.50	15.50	9.24	2.92
NOTES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II) (PL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)													
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	0	3	0	1	0	0	0	0	0	0	4	0.40	0.97	0.31	0.56
GORGONIANS (G)	47	28	61	42	14	73	18	5	3	38	329	32.90	23.53	7.44	0.43
SPONGES (S)	0	1	12	0	4	4	20	0	1	1	43	4.30	6.62	2.09	0.00
ZOANTHIDS (Z)	0	14	0	0	8	0	0	5	47	0	74	7.40	14.71	4.65	0.00
MACROALGAE (MA)	7	316	302	224	354	308	384	145	176	397	2613	261.30	122.82	38.84	0.00
OTHER LIVE (OL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	6	52	14	38	7	5	8	70	48	21	269	26.90	23.40	7.40	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	540	111	186	270	163	160	145	325	225	143	2268	226.80	127.77	40.40	
TOTAL TRANSECT POINTS	**600**	**525**	**575**	**575**	**550**	**550**	**575**	**550**	**500**	**600**	**5600**				
SUBCATEGORIES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)															0.56
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0	0	0	1	0	0	0	0	0	0	1	0.10	0.32	0.10	0.35
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	3	0	0	0	0	0	0	0	0	3	0.30	0.95	0.30	0.22

GORGONIANS (G)															0.43
Briareum (BRI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	46	28	56	39	12	56	18	5	3	34	297	29.70	19.80	6.26	0.09
Erythropodium (ERY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eunicea (EUN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	1	0	0	3	0	0	0	0	0	0	4	0.40	0.97	0.31	0.05
Muriceopsis (MOPS)	0	0	5	0	0	0	0	0	0	4	9	0.90	1.91	0.60	0.10
Plexaura (PAURA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0	0	0	0	0	17	0	0	0	0	17	1.70	5.38	1.70	0.15
Pseudoplexaura (PSDP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	0	0	0	0	2	0	0	0	0	0	2	0.20	0.63	0.20	0.03
Pterogorgia (PTER)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)															0.00
Sponge (SPO)	0	1	12	0	4	4	20	0	1	1	43	4.30	6.62	2.09	0.00
ZOANTHIDS (Z)															0.00
Palythoa sp. (PAL)	0	14	0	0	8	0	0	5	47	0	74	7.40	14.71	4.65	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)															0.00
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Padina (PAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	7	316	302	224	354	308	384	145	176	397	2613	261.30	122.82	38.84	0.00
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)															0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)															0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)															0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)															0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)															0.00
Pavement (P)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	6	52	14	38	7	5	8	70	48	21	269	26.90	23.40	7.40	0.00
UNKNOWNS (U)															0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)															
Shadow (SHAD)	518	54	88	152	9	7	6	295	175	98	1402	140.20	160.88	50.88	
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	22	57	98	118	154	153	139	30	50	45	866	86.60	51.79	16.38	
NOTES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)															
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**0.67**	**0.81**	**0.71**	**0.78**	**0.40**	**0.60**	**0.45**	**0.82**	**0.96**	**0.48**
CORAL (C)	0.00	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)	0.19	0.18	0.29	0.27	0.12	0.31	0.13	0.08	0.05	0.21
SPONGES (S)	0.00	0.01	0.11	0.00	0.05	0.05	0.14	0.00	0.02	0.01
ZOANTHIDS (Z)	0.00	0.11	0.00	0.00	0.08	0.00	0.00	0.08	0.30	0.00
MACROALGAE (MA)	0.25	0.21	0.20	0.23	0.08	0.19	0.10	0.28	0.29	0.12
OTHER LIVE (OL)	0.00	0.00	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	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	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	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.23	0.26	0.12	0.26	0.07	0.06	0.07	0.36	0.30	0.14
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)										

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: R2S2

TRANSECT NAME	T1	T10	T2	T3	T4	T5	T6	T7	T8	T9			
Number of frames	**27**	**22**	**24**	**25**	**26**	**23**	**25**	**21**	**23**	**22**			
Total points	**675**	**550**	**600**	**625**	**650**	**575**	**625**	**525**	**575**	**550**			
Total points (minus tape+wand+shadow	**441**	**66**	**454**	**419**	**243**	**200**	**415**	**74**	**33**	**77**			
MAJOR CATEGORY (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	1.13	0.00	0.44	0.00	0.00	0.00	0.24	0.00	9.09	0.00	1.09	2.83	0.90
GORGONIANS (G)	3.17	0.00	6.39	0.48	24.28	21.50	7.95	0.00	75.76	5.19	14.47	23.18	7.33
SPONGES (S)	0.91	0.00	1.76	1.67	1.65	8.50	0.00	0.00	0.00	0.00	1.45	2.60	0.82
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.84	15.15	18.18	7.12	12.85	4.06
MACROALGAE (MA)	88.21	95.45	66.96	79.00	57.61	36.50	28.19	62.16	0.00	41.56	55.56	29.40	9.30
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	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	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	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	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	6.58	4.55	24.45	18.85	16.46	33.50	63.61	0.00	0.00	35.06	20.31	19.90	6.29
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	34.67	88.00	24.33	32.96	62.62	65.22	33.60	85.90	94.26	86.00	60.76	27.23	8.61
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)													
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.02	0.08	0.02

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.09	0.00	0.93	2.87	0.91
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.00	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.14	0.04
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.29	0.09
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)													
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	3.17	0.00	6.39	0.48	24.28	21.50	6.51	0.00	75.76	5.19	14.33	23.23	7.35
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	0.00	1.45	0.00	0.00	0.00	0.14	0.46	0.14
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)													
Sponge (SPO)	0.91	0.00	1.76	1.67	1.65	8.50	0.00	0.00	0.00	0.00	1.45	2.60	0.82
ZOANTHIDS (Z)													
Palythoa sp. (PAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.84	15.15	18.18	7.12	12.85	4.06
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)													
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	88.21	95.45	66.96	79.00	57.61	36.50	28.19	62.16	0.00	41.56	55.56	29.40	9.30
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)													
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)													
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)													
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)													
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)													
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	6.58	4.55	24.45	18.85	16.46	33.50	63.61	0.00	0.00	35.06	20.31	19.90	6.29
UNKNOWNS (U)													
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)													
Shadow (SHAD)	27.11	87.64	13.33	24.48	57.38	58.78	24.80	84.57	93.04	82.91	55.41	30.81	9.74
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	7.56	0.36	11.00	8.48	5.23	6.43	8.80	1.33	1.22	3.09	5.35	3.69	1.17
NOTES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II) (PL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)													
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	5	0	2	0	0	0	1	0	3	0	11	1.10	1.73	0.55	1.26
GORGONIANS (G)	14	0	29	2	59	43	33	0	25	4	209	20.90	20.37	6.44	0.13
SPONGES (S)	4	0	8	7	4	17	0	0	0	0	40	4.00	5.52	1.74	0.00
ZOANTHIDS (Z)	0	0	0	0	0	0	0	28	5	14	47	4.70	9.33	2.95	0.00
MACROALGAE (MA)	389	63	304	331	140	73	117	46	0	32	1495	149.50	139.65	44.16	0.00
OTHER LIVE (OL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	29	3	111	79	40	67	264	0	0	27	620	62.00	79.92	25.27	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	234	484	146	206	407	375	210	451	542	473	3528	352.80	141.17	44.64	
TOTAL TRANSECT POINTS	**675**	**550**	**600**	**625**	**650**	**575**	**625**	**525**	**575**	**550**	**5950**				
SUBCATEGORIES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)															1.26
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0	0	0	0	0	0	1	0	0	0	1	0.10	0.32	0.10	0.22
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	1	0	0	0	0	0	0	0	3	0	4	0.40	0.97	0.31	0.37
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0	0	2	0	0	0	0	0	0	0	2	0.20	0.63	0.20	0.31
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	4	0	0	0	0	0	0	0	0	0	4	0.40	1.26	0.40	0.37
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

GORGONIANS (G)															0.13
Briareum (BRI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	14	0	29	2	59	43	27	0	25	4	203	20.30	20.06	6.34	0.03
Erythropodium (ERY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eunicea (EUN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muriceopsis (MOPS)	0	0	0	0	0	0	6	0	0	0	6	0.60	1.90	0.60	0.10
Plexaura (PAURA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pterogorgia (PTER)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)															0.00
Sponge (SPO)	4	0	8	7	4	17	0	0	0	0	40	4.00	5.52	1.74	0.00
ZOANTHIDS (Z)															0.00
Palythoa sp. (PAL)	0	0	0	0	0	0	0	28	5	14	47	4.70	9.33	2.95	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)															0.00
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Padina (PAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	389	63	304	331	140	73	117	46	0	32	1495	149.50	139.65	44.16	0.00
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)															0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)															0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)															0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)															0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)															0.00
Pavement (P)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	29	3	111	79	40	67	264	0	0	27	620	62.00	79.92	25.27	0.00
UNKNOWNS (U)															0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)															
Shadow (SHAD)	183	482	80	153	373	338	155	444	535	456	3199	319.90	163.62	51.74	
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	51	2	66	53	34	37	55	7	7	17	329	32.90	23.29	7.37	
NOTES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)															
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**0.49**	**0.18**	**0.88**	**0.59**	**1.03**	**1.27**	**0.86**	**0.66**	**0.71**	**1.20**
CORAL (C)	0.05	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.22	0.00
GORGONIANS (G)	0.11	0.00	0.18	0.03	0.34	0.33	0.20	0.00	0.21	0.15
SPONGES (S)	0.04	0.00	0.07	0.07	0.07	0.21	0.00	0.00	0.00	0.00
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.29	0.31
MACROALGAE (MA)	0.11	0.04	0.27	0.19	0.32	0.37	0.36	0.30	0.00	0.36
OTHER LIVE (OL)	0.00	0.00	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	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	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	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.18	0.14	0.34	0.31	0.30	0.37	0.29	0.00	0.00	0.37
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)										

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: R2SC1

TRANSECT NAME	T1	T10	T2	T3	T4	T5	T6	T7	T8	T9			
Number of frames	**27**	**21**	**20**	**22**	**19**	**16**	**23**	**23**	**21**	**21**			
Total points	**675**	**525**	**500**	**550**	**475**	**400**	**575**	**575**	**525**	**525**			
Total points (minus tape+wand+shadow	**419**	**186**	**221**	**28**	**360**	**332**	**483**	**519**	**455**	**377**			
MAJOR CATEGORY (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	2.15	13.44	1.36	0.00	3.61	0.30	0.41	1.54	0.44	0.80	2.40	4.02	1.27
GORGONIANS (G)	10.50	22.58	13.12	25.00	4.17	6.93	2.48	0.96	0.00	3.98	8.97	8.82	2.79
SPONGES (S)	0.95	1.08	0.45	0.00	0.00	0.00	1.66	0.96	0.44	0.27	0.58	0.56	0.18
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)	71.84	58.06	66.52	17.86	85.83	80.42	85.71	84.20	82.86	82.49	71.58	21.03	6.65
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	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	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	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	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	14.56	4.84	18.55	57.14	6.39	12.35	9.73	12.33	16.26	12.47	16.46	14.89	4.71
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	37.93	64.57	55.80	94.91	24.21	17.00	16.00	9.74	13.33	28.19	36.17	27.58	8.72
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)													
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.00	0.00	0.00	0.00	3.61	0.30	0.41	1.54	0.44	0.80	0.71	1.13	0.36

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	1.19	0.00	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.54	0.17
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.30	0.10
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	13.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	4.25	1.34
GORGONIANS (G)													
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	10.50	14.52	13.12	25.00	4.17	6.93	2.48	0.96	0.00	3.98	8.17	7.74	2.45
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	0.00	8.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	2.55	0.81
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)													
Sponge (SPO)	0.95	1.08	0.45	0.00	0.00	0.00	1.66	0.96	0.44	0.27	0.58	0.56	0.18
ZOANTHIDS (Z)													
Palythoa sp. (PAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)													
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.02	0.07	0.02

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	71.84	58.06	66.52	17.86	85.83	80.42	85.71	84.20	82.64	82.49	71.56	21.02	6.65
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)													
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)													
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)													
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)													
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)													
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	14.56	4.84	18.55	57.14	6.39	12.35	9.73	12.33	16.26	12.47	16.46	14.89	4.71
UNKNOWNS (U)													
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)													
Shadow (SHAD)	30.96	59.43	52.40	94.18	10.53	8.75	4.87	0.00	4.19	19.24	28.45	30.93	9.78
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	6.96	5.14	3.40	0.73	13.68	8.25	11.13	9.74	9.14	8.95	7.71	3.80	1.20
NOTES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II) (PL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)													
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	9	25	3	0	13	1	2	8	2	3	66	6.60	7.68	2.43	1.15
GORGONIANS (G)	44	42	29	7	15	23	12	5	0	15	192	19.20	15.10	4.77	0.27
SPONGES (S)	4	2	1	0	0	0	8	5	2	1	23	2.30	2.63	0.83	0.00
ZOANTHIDS (Z)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)	301	108	147	5	309	267	414	437	377	311	2676	267.60	139.76	44.19	0.00
OTHER LIVE (OL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	61	9	41	16	23	41	47	64	74	47	423	42.30	21.20	6.70	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	256	339	279	522	115	68	92	56	70	148	1945	194.50	152.29	48.16	
TOTAL TRANSECT POINTS	**675**	**525**	**500**	**550**	**475**	**400**	**575**	**575**	**525**	**525**	**5325**				
SUBCATEGORIES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)															1.15
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0	0	0	0	13	1	2	8	2	3	29	2.90	4.31	1.36	0.36
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	5	0	3	0	0	0	0	0	0	0	8	0.80	1.75	0.55	0.26
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	4	0	0	0	0	0	0	0	0	0	4	0.40	1.26	0.40	0.17
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	25	0	0	0	0	0	0	0	0	25	2.50	7.91	2.50	0.37

GORGONIANS (G)															0.27
Briareum (BRI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	44	27	29	7	15	23	12	5	0	15	177	17.70	13.21	4.18	0.07
Erythropodium (ERY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eunicea (EUN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muriceopsis (MOPS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	0	15	0	0	0	0	0	0	0	0	15	1.50	4.74	1.50	0.20
Pterogorgia (PTER)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)															0.00
Sponge (SPO)	4	2	1	0	0	0	8	5	2	1	23	2.30	2.63	0.83	0.00
ZOANTHIDS (Z)															0.00
Palythoa sp. (PAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)															0.00
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Padina (PAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	1	0	1	0.10	0.32	0.10	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	301	108	147	5	309	267	414	437	376	311	2675	267.50	139.67	44.17	0.00
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)															0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)															0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)															0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)															0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)															0.00
Pavement (P)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	61	9	41	16	23	41	47	64	74	47	423	42.30	21.20	6.70	0.00
UNKNOWNS (U)															0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)															
Shadow (SHAD)	209	312	262	518	50	35	28	0	22	101	1537	153.70	168.97	53.43	
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	47	27	17	4	65	33	64	56	48	47	408	40.80	20.15	6.37	
NOTES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)															
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**0.88**	**1.12**	**0.93**	**0.97**	**0.56**	**0.64**	**0.54**	**0.56**	**0.50**	**0.60**
CORAL (C)	0.08	0.27	0.06	0.00	0.12	0.02	0.02	0.06	0.02	0.04
GORGONIANS (G)	0.24	0.34	0.27	0.35	0.13	0.18	0.09	0.04	0.00	0.13
SPONGES (S)	0.04	0.05	0.02	0.00	0.00	0.00	0.07	0.04	0.02	0.02
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)	0.24	0.32	0.27	0.31	0.13	0.18	0.13	0.14	0.16	0.16
OTHER LIVE (OL)	0.00	0.00	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	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	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	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.28	0.15	0.31	0.32	0.18	0.26	0.23	0.26	0.30	0.26
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)										

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat:

File/sheetname: R2SC2

TRANSECT NAME	T1	T10	T3	T4	T5	T7	T6	T8	T9			
Number of frames	**21**	**22**	**22**	**24**	**25**	**32**	**24**	**18**	**27**			
Total points	**525**	**550**	**550**	**600**	**625**	**800**	**600**	**450**	**675**			
Total points (minus tape+wand+shadc	**41**	**346**	**111**	**341**	**54**	**508**	**306**	**275**	**254**			
MAJOR CATEGORY (% of transect)										**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	7.32	0.58	0.00	4.99	1.85	4.72	0.00	0.00	0.00	2.16	2.79	0.88
GORGONIANS (G)	9.76	17.34	15.32	14.08	12.96	15.16	18.95	4.36	5.12	12.56	5.14	1.62
SPONGES (S)	0.00	2.89	0.00	2.05	0.00	1.38	1.96	1.82	7.09	1.91	2.21	0.70
ZOANTHIDS (Z)	0.00	9.83	0.00	0.00	14.81	6.50	6.54	11.27	5.12	6.01	5.36	1.69
MACROALGAE (MA)	48.78	63.87	33.33	72.14	53.70	58.27	63.07	78.55	70.08	60.20	13.68	4.33
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	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	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	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	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	34.15	5.49	51.35	6.74	16.67	13.98	9.48	4.00	12.60	17.16	15.67	4.96
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	92.19	37.09	79.82	43.17	91.36	36.50	49.00	38.89	62.37	58.93	23.28	7.36
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)										**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)												
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.88	0.00	0.59	0.00	0.00	0.00	0.16	0.33	0.11
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.00	0.58	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.13	0.26	0.08

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.00	0.00	0.00	0.00	1.85	2.17	0.00	0.00	0.00	0.45	0.89	0.28
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.07	0.20	0.06
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	7.32	0.00	0.00	3.52	0.00	0.20	0.00	0.00	0.00	1.23	2.56	0.81
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.13	0.39	0.12
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)												
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	7.32	16.18	15.32	13.20	12.96	11.22	17.65	4.36	5.12	11.48	4.85	1.54
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	2.44	1.16	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.50	0.85	0.27
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.11	0.33	0.10
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	1.38	0.00	0.00	0.00	0.15	0.46	0.15
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	0.00	0.00	0.00	0.00	0.00	1.57	1.31	0.00	0.00	0.32	0.64	0.20
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)												
Sponge (SPO)	0.00	2.89	0.00	2.05	0.00	1.38	1.96	1.82	7.09	1.91	2.21	0.70
ZOANTHIDS (Z)												
Palythoa sp. (PAL)	0.00	9.83	0.00	0.00	14.81	6.50	6.54	11.27	5.12	6.01	5.36	1.69
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)												
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.19	0.06
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	48.78	63.29	33.33	72.14	53.70	58.27	63.07	78.55	70.08	60.14	13.66	4.32
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)												
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)												
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)												
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)												
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)												
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	34.15	5.49	51.35	6.74	16.67	13.98	9.48	4.00	12.60	17.16	15.67	4.96
UNKNOWNS (U)												
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)												
Shadow (SHAD)	91.62	15.27	77.09	22.83	87.20	13.75	32.83	18.44	47.41	45.16	32.00	10.12
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	0.57	21.82	2.73	20.33	4.16	22.75	16.17	20.44	14.96	13.77	8.86	2.80
NOTES (% of transect)										**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.19	0.06
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II) (	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)												
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.11	33.33	10.54

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)										**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	3	2	0	17	1	24	0	0	0	47	5.22	8.90	2.81	1.63
GORGONIANS (G)	4	60	17	48	7	77	58	12	13	296	32.89	27.68	8.75	0.49
SPONGES (S)	0	10	0	7	0	7	6	5	18	53	5.89	5.82	1.84	0.00
ZOANTHIDS (Z)	0	34	0	0	8	33	20	31	13	139	15.44	14.54	4.60	0.00
MACROALGAE (MA)	20	221	37	246	29	296	193	216	178	1436	159.56	103.71	32.80	0.01
OTHER LIVE (OL)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	14	19	57	23	9	71	29	11	32	265	29.44	21.33	6.75	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	484	204	439	259	571	292	294	175	421	3139	348.78	135.31	42.79	
TOTAL TRANSECT POINTS	**525**	**550**	**550**	**600**	**625**	**800**	**600**	**450**	**675**	**5375**				
SUBCATEGORIES (occurring in transect)										**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)														1.63
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	3	0	3	0	0	0	6	0.67	1.32	0.42	0.26
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0	2	0	2	0	0	0	0	0	4	0.44	0.88	0.28	0.21
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	0	0	0	1	11	0	0	0	12	1.33	3.64	1.15	0.35
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0	0	0	0	0	3	0	0	0	3	0.33	1.00	0.32	0.18
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	3	0	0	12	0	1	0	0	0	16	1.78	3.96	1.25	0.37
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	6	0	0	0	6	0.67	2.00	0.63	0.26
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

GORGONIANS (G)														0.49
Briareum (BRI)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	3	56	17	45	7	57	54	12	13	264	29.33	23.03	7.28	0.10
Erythropodium (ERY)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eunicea (EUN)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	1	4	0	3	0	0	0	0	0	8	0.89	1.54	0.49	0.10
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	0	0	0	0	0	5	0	0	0	5	0.56	1.67	0.53	0.07
Muriceopsis (MOPS)	0	0	0	0	0	7	0	0	0	7	0.78	2.33	0.74	0.09
Plexaura (PAURA)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	0	0	0	0	0	8	4	0	0	12	1.33	2.83	0.89	0.13
Pterogorgia (PTER)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)														0.00
Sponge (SPO)	0	10	0	7	0	7	6	5	18	53	5.89	5.82	1.84	0.00
ZOANTHIDS (Z)														0.00
Palythoa sp. (PAL)	0	34	0	0	8	33	20	31	13	139	15.44	14.54	4.60	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)														0.01
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0	2	0	0	0	0	0	0	0	2	0.22	0.67	0.21	0.01
Padina (PAD)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	20	219	37	246	29	296	193	216	178	1434	159.33	103.57	32.75	0.00
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)														0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)														0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)														0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)														0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)														0.00
Pavement (P)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	14	19	57	23	9	71	29	11	32	265	29.44	21.33	6.75	0.00
UNKNOWNS (U)														0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)														
Shadow (SHAD)	481	84	424	137	545	110	197	83	320	2381	264.56	181.75	57.48	
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	3	120	15	122	26	182	97	92	101	758	84.22	58.69	18.56	

NOTES (occurring in transect)										**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	2	0	0	0	0	0	0	0	2	0.22	0.67	0.21	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)														
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	2	0	0	0	0	0	0	0	2	0.22	0.67	0.21	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**1.14**	**1.11**	**1.00**	**0.92**	**1.25**	**1.26**	**1.08**	**0.77**	**1.00**
CORAL (C)	0.19	0.03	0.00	0.15	0.07	0.14	0.00	0.00	0.00
GORGONIANS (G)	0.23	0.30	0.29	0.28	0.26	0.29	0.32	0.14	0.15
SPONGES (S)	0.00	0.10	0.00	0.08	0.00	0.06	0.08	0.07	0.19
ZOANTHIDS (Z)	0.00	0.23	0.00	0.00	0.28	0.18	0.18	0.25	0.15
MACROALGAE (MA)	0.35	0.29	0.37	0.24	0.33	0.31	0.29	0.19	0.25
OTHER LIVE (OL)	0.00	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	0.00
CORALLINE ALGAE (CA)	0.00	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	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.37	0.16	0.34	0.18	0.30	0.28	0.22	0.13	0.26
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)									

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: R3NC

TRANSECT NAME	T10	T4	T5	T6	T7	T8	T9			
Number of frames	**23**	**21**	**24**	**22**	**26**	**24**	**23**			
Total points	**575**	**525**	**600**	**550**	**650**	**600**	**575**			
Total points (minus tape+wand+shadow	**514**	**467**	**537**	**492**	**604**	**537**	**516**			
MAJOR CATEGORY (% of transect)								**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	0.00	0.00	0.00	0.61	1.82	0.00	0.00	0.35	0.69	0.26
GORGONIANS (G)	11.87	10.49	10.80	3.66	9.27	14.53	13.76	10.63	3.58	1.35
SPONGES (S)	4.47	8.57	8.75	6.50	5.96	2.42	3.29	5.71	2.46	0.93
ZOANTHIDS (Z)	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.08	0.21	0.08
MACROALGAE (MA)	61.87	52.03	63.87	75.20	66.89	68.53	61.24	64.23	7.18	2.71
OTHER LIVE (OL)	0.00	0.00	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	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	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	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	21.79	28.91	16.01	14.02	16.06	14.53	21.71	19.00	5.41	2.04
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	10.61	11.05	10.50	10.55	7.08	10.50	10.26	10.08	1.34	0.51
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)								**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)										
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	1.16	0.00	0.00	0.17	0.44	0.17
Millipora alcicornis (MILA)	0.00	0.00	0.00	0.00	0.66	0.00	0.00	0.09	0.25	0.09
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.09	0.23	0.09
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)										
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	10.89	8.57	5.96	3.46	9.27	9.87	8.53	8.08	2.55	0.96
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0.19	0.00	0.00	0.20	0.00	0.00	0.00	0.06	0.10	0.04
Plexaurella (PRELA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	0.78	1.93	4.84	0.00	0.00	4.66	5.23	2.49	2.36	0.89
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)										
Sponge (SPO)	4.47	8.57	8.75	6.50	5.96	2.42	3.29	5.71	2.46	0.93
ZOANTHIDS (Z)										
Palythoa sp. (PAL)	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.08	0.21	0.08
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)										
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	1.07	0.00	0.00	0.00	0.00	0.00	0.15	0.40	0.15
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0.00	0.00	0.19	3.05	1.66	1.86	0.00	0.96	1.23	0.46
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Turf (TURF)	61.87	50.96	63.69	72.15	65.23	66.67	61.24	63.12	6.48	2.45	
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
OTHER LIVE (OL)											
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Other (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DEAD CORAL WITH ALGAE (DCA)											
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CORALLINE ALGAE (CA)											
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DISEASED CORALS (DC)											
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SAND, PAVEMENT, RUBBLE (SPR)											
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sand (S)	21.79	28.91	16.01	14.02	16.06	14.53	21.71	19.00	5.41	2.04	
UNKNOWNS (U)											
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TAPE, WAND, SHADOW (TWS)											
Shadow (SHAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Wand (WAND)	10.61	11.05	10.50	10.55	7.08	10.50	10.26	10.08	1.34	0.51	
NOTES (% of transect)								**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NOTES (% of coral)											
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)								**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	0	0	0	3	11	0	0	14	2.00	4.12	1.56	1.03
GORGONIANS (G)	61	49	58	18	56	78	71	391	55.86	19.28	7.29	0.57
SPONGES (S)	23	40	47	32	36	13	17	208	29.71	12.49	4.72	0.00
ZOANTHIDS (Z)	0	0	3	0	0	0	0	3	0.43	1.13	0.43	0.00
MACROALGAE (MA)	318	243	343	370	404	368	316	2362	337.43	51.98	19.65	0.09
OTHER LIVE (OL)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	112	135	86	69	97	78	112	689	98.43	22.90	8.65	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	61	58	63	58	46	63	59	408	58.29	5.82	2.20	
TOTAL TRANSECT POINTS	**575**	**525**	**600**	**550**	**650**	**600**	**575**	**4075**				
SUBCATEGORIES (occurring in transect)								**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)												1.03
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	7	0	0	7	1.00	2.65	1.00	0.35
Millipora alcicornis (MILA)	0	0	0	0	4	0	0	4	0.57	1.51	0.57	0.36
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	0	3	0	0	0	3	0.43	1.13	0.43	0.33
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

GORGONIANS (G)												0.57
Briareum (BRI)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	56	40	32	17	56	53	44	298	42.57	14.40	5.44	0.21
Erythropodium (ERY)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eunicea (EUN)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muriceopsis (MOPS)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaura (PAURA)	1	0	0	1	0	0	0	2	0.29	0.49	0.18	0.03
Plexaurella (PRELA)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	4	9	26	0	0	25	27	91	13.00	12.54	4.74	0.34
Pterogorgia (PTER)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)												0.00
Sponge (SPO)	23	40	47	32	36	13	17	208	29.71	12.49	4.72	0.00
ZOANTHIDS (Z)												0.00
Palythoa sp. (PAL)	0	0	3	0	0	0	0	3	0.43	1.13	0.43	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)												0.09
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	5	0	0	0	0	0	5	0.71	1.89	0.71	0.01
Liagora (LIAG)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0	0	1	15	10	10	0	36	5.14	6.34	2.39	0.06
Padina (PAD)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	318	238	342	355	394	358	316	2321	331.57	49.05	18.54	0.02
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)												0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)												0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)												0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)												0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)												0.00
Pavement (P)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	112	135	86	69	97	78	112	689	98.43	22.90	8.65	0.00
UNKNOWNS (U)												0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)												
Shadow (SHAD)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Tape (TAPE)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	61	58	63	58	46	63	59	408	58.29	5.82	2.20	
NOTES (occurring in transect)								**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)												
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**1.02**	**1.15**	**1.06**	**0.82**	**1.02**	**0.91**	**1.02**
CORAL (C)	0.00	0.00	0.00	0.03	0.07	0.00	0.00
GORGONIANS (G)	0.25	0.24	0.24	0.12	0.22	0.28	0.27
SPONGES (S)	0.14	0.21	0.21	0.18	0.17	0.09	0.11
ZOANTHIDS (Z)	0.00	0.00	0.03	0.00	0.00	0.00	0.00
MACROALGAE (MA)	0.30	0.34	0.29	0.21	0.27	0.26	0.30
OTHER LIVE (OL)	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
CORALLINE ALGAE (CA)	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
SAND, PAVEMENT, RUBBLE (SPR)	0.33	0.36	0.29	0.28	0.29	0.28	0.33
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)							

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: R3N

TRANSECT NAME	T1	T10	T2	T3	T4	T5	T6	T7	T8	T9			
Number of frames	**23**	**23**	**22**	**20**	**20**	**23**	**20**	**22**	**20**	**22**			
Total points	**575**	**575**	**550**	**500**	**500**	**575**	**500**	**550**	**500**	**550**			
Total points (minus tape+wand+shadow	**535**	**509**	**489**	**460**	**450**	**521**	**470**	**490**	**451**	**501**			
MAJOR CATEGORY (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	0.56	0.00	0.00	0.43	0.67	0.00	1.49	0.00	0.00	0.00	0.32	0.49	0.16
GORGONIANS (G)	0.00	0.00	0.00	0.00	2.67	0.00	4.26	3.27	0.00	0.00	1.02	1.68	0.53
SPONGES (S)	3.36	0.00	0.00	7.17	6.44	5.76	5.32	12.86	1.33	0.00	4.22	4.14	1.31
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.07	0.21	0.07
MACROALGAE (MA)	33.83	8.25	5.93	76.96	83.33	65.45	72.13	65.31	10.20	29.94	45.13	30.73	9.72
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	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	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	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	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	62.24	91.75	94.07	15.43	6.22	28.79	16.81	18.57	88.47	70.06	49.24	35.53	11.24
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	6.96	11.48	11.09	8.00	10.00	9.39	6.00	10.91	9.80	8.91	9.25	1.81	0.57
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)													
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.07	0.02

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.37	0.00	0.00	0.22	0.00	0.00	0.21	0.00	0.00	0.00	0.08	0.14	0.04
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0.00	0.00	0.00	0.00	0.67	0.00	1.28	0.00	0.00	0.00	0.19	0.43	0.14
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.02
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)													
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	0.00	0.00	0.00	0.00	2.00	0.00	4.26	3.27	0.00	0.00	0.95	1.62	0.51
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.07	0.21	0.07
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)													
Sponge (SPO)	3.36	0.00	0.00	7.17	6.44	5.76	5.32	12.86	1.33	0.00	4.22	4.14	1.31
ZOANTHIDS (Z)													
Palythoa sp. (PAL)	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.07	0.21	0.07
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)													
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0.00	0.00	0.00	1.74	1.78	1.73	0.00	1.02	0.00	0.00	0.63	0.84	0.26
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	33.83	8.25	5.93	75.22	81.56	63.72	72.13	64.29	10.20	29.94	44.51	30.08	9.51
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)													
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)													
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)													
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)													
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)													
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	62.24	91.75	94.07	15.43	6.22	28.79	16.81	18.57	88.47	70.06	49.24	35.53	11.24
UNKNOWNS (U)													
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)													
Shadow (SHAD)	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.00	0.00	0.07	0.22	0.07
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	6.96	11.48	11.09	8.00	10.00	8.70	6.00	10.91	9.80	8.91	9.18	1.82	0.57
NOTES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II) (Pl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)													
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (Pl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	3	0	0	2	3	0	7	0	0	0	15	1.50	2.32	0.73	1.02
GORGONIANS (G)	0	0	0	0	12	0	20	16	0	0	48	4.80	7.96	2.52	0.23
SPONGES (S)	18	0	0	33	29	30	25	63	6	0	204	20.40	20.06	6.34	0.00
ZOANTHIDS (Z)	0	0	0	0	3	0	0	0	0	0	3	0.30	0.95	0.30	0.00
MACROALGAE (MA)	181	42	29	354	375	341	339	320	46	150	2177	217.70	143.60	45.41	0.07
OTHER LIVE (OL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	333	467	460	71	28	150	79	91	399	351	2429	242.90	175.06	55.36	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	40	66	61	40	50	54	30	60	49	49	499	49.90	11.03	3.49	
TOTAL TRANSECT POINTS	**575**	**575**	**550**	**500**	**500**	**575**	**500**	**550**	**500**	**550**	**5375**				
SUBCATEGORIES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)															1.02
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0	0	0	1	0	0	0	0	0	0	1	0.10	0.32	0.10	0.18
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	2	0	0	1	0	0	1	0	0	0	4	0.40	0.70	0.22	0.35
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0	0	0	0	3	0	6	0	0	0	9	0.90	2.02	0.64	0.31
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	1	0	0	0	0	0	0	0	0	0	1	0.10	0.32	0.10	0.18
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

GORGONIANS (G)															0.23
Briareum (BRI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	0	0	0	0	9	0	20	16	0	0	45	4.50	7.71	2.44	0.06
Erythropodium (ERY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eunicea (EUN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	0	0	0	0	3	0	0	0	0	0	3	0.30	0.95	0.30	0.17
Muriceopsis (MOPS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pterogorgia (PTER)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)															0.00
Sponge (SPO)	18	0	0	33	29	30	25	63	6	0	204	20.40	20.06	6.34	0.00
ZOANTHIDS (Z)															0.00
Palythoa sp. (PAL)	0	0	0	0	3	0	0	0	0	0	3	0.30	0.95	0.30	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)															0.07
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0	0	0	8	8	9	0	5	0	0	30	3.00	4.00	1.26	0.06
Padina (PAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	181	42	29	346	367	332	339	315	46	150	2147	214.70	140.55	44.45	0.01
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)															0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)															0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)															0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)															0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)															0.00
Pavement (P)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	333	467	460	71	28	150	79	91	399	351	2429	242.90	175.06	55.36	0.00
UNKNOWNS (U)															0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)															
Shadow (SHAD)	0	0	0	0	0	4	0	0	0	0	4	0.40	1.26	0.40	
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	40	66	61	40	50	50	30	60	49	49	495	49.50	10.94	3.46	
NOTES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (Pl	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)															
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (Pl	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**0.80**	**0.28**	**0.23**	**0.70**	**0.66**	**0.80**	**0.89**	**0.97**	**0.40**	**0.61**
CORAL (C)	0.03	0.00	0.00	0.02	0.03	0.00	0.06	0.00	0.00	0.00
GORGONIANS (G)	0.00	0.00	0.00	0.00	0.10	0.00	0.13	0.11	0.00	0.00
SPONGES (S)	0.11	0.00	0.00	0.19	0.18	0.16	0.16	0.26	0.06	0.00
ZOANTHIDS (Z)	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)	0.37	0.21	0.17	0.20	0.15	0.28	0.24	0.28	0.23	0.36
OTHER LIVE (OL)	0.00	0.00	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	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	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	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.30	0.08	0.06	0.29	0.17	0.36	0.30	0.31	0.11	0.25
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)										

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: R3S1

TRANSECT NAME	T10	T7	T9	T1	T2	T3	T4	T5	T6	T8			
Number of frames	**26**	**22**	**24**	**17**	**25**	**21**	**23**	**23**	**23**	**24**			
Total points	**650**	**550**	**600**	**425**	**625**	**525**	**575**	**575**	**575**	**600**			
Total points (minus tape+wand+shadow	**594**	**499**	**536**	**389**	**562**	**484**	**536**	**530**	**514**	**535**			
MAJOR CATEGORY (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	0.17	0.00	0.00	0.00	0.00	0.21	0.19	0.38	0.97	0.00	0.19	0.30	0.10
GORGONIANS (G)	14.65	15.03	5.04	0.00	0.53	2.48	3.36	4.34	17.32	14.39	7.71	6.79	2.15
SPONGES (S)	8.75	7.82	12.50	1.29	2.14	5.17	2.43	2.08	10.31	4.86	5.73	3.92	1.24
ZOANTHIDS (Z)	4.71	1.00	4.85	0.00	0.00	0.00	0.00	0.00	0.00	1.87	1.24	1.97	0.62
MACROALGAE (MA)	71.04	75.75	76.12	91.00	84.34	75.62	76.31	68.68	71.21	78.88	76.89	6.64	2.10
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	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	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	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	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.67	0.40	1.49	7.71	12.99	16.53	17.72	24.53	0.19	0.00	8.22	9.09	2.87
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	8.62	9.27	10.67	8.47	10.08	7.81	6.78	7.83	10.61	10.83	9.10	1.41	0.45
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)													
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.02

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.10	0.31	0.10
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.00	0.00	0.00	0.00	0.00	0.21	0.19	0.38	0.00	0.00	0.08	0.13	0.04
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)													
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	9.93	12.22	5.04	0.00	0.53	0.62	0.75	2.64	15.56	7.10	5.44	5.56	1.76
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.11	0.03
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.00	1.75	0.00	0.29	0.62	0.20
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	4.38	2.81	0.00	0.00	0.00	1.86	1.49	1.70	0.00	7.29	1.95	2.37	0.75
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)													
Sponge (SPO)	8.75	7.82	12.50	1.29	2.14	5.17	2.43	2.08	10.31	4.86	5.73	3.92	1.24
ZOANTHIDS (Z)													
Palythoa sp. (PAL)	4.71	1.00	4.85	0.00	0.00	0.00	0.00	0.00	0.00	1.87	1.24	1.97	0.62
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)													
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	5.56	2.40	1.87	0.00	0.00	0.00	0.00	0.00	0.78	0.00	1.06	1.81	0.57
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	65.49	73.35	74.25	91.00	84.34	75.62	76.31	68.68	70.43	78.88	75.83	7.51	2.38
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)													
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)													
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)													
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)													
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)													
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	0.67	0.40	1.49	7.71	12.99	16.53	17.72	24.53	0.19	0.00	8.22	9.09	2.87
UNKNOWNS (U)													
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)													
Shadow (SHAD)	0.77	0.18	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.30	0.09
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	7.85	9.09	10.00	8.47	10.08	7.81	6.78	7.83	10.61	10.83	8.93	1.39	0.44
NOTES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II) (PL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)													
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	1	0	0	0	0	1	1	2	5	0	10	1.00	1.56	0.49	0.94
GORGONIANS (G)	87	75	27	0	3	12	18	23	89	77	411	41.10	36.34	11.49	0.74
SPONGES (S)	52	39	67	5	12	25	13	11	53	26	303	30.30	21.35	6.75	0.00
ZOANTHIDS (Z)	28	5	26	0	0	0	0	0	0	10	69	6.90	11.10	3.51	0.00
MACROALGAE (MA)	422	378	408	354	474	366	409	364	366	422	3963	396.30	37.51	11.86	0.08
OTHER LIVE (OL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	4	2	8	30	73	80	95	130	1	0	423	42.30	48.01	15.18	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	56	51	64	36	63	41	39	45	61	65	521	52.10	11.19	3.54	
TOTAL TRANSECT POINTS	**650**	**550**	**600**	**425**	**625**	**525**	**575**	**575**	**575**	**600**	**5700**				
SUBCATEGORIES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)															0.94
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	1	0	0	0	0	0	0	0	0	0	1	0.10	0.32	0.10	0.23
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	0	0	0	0	0	0	0	5	0	5	0.50	1.58	0.50	0.35
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0	0	0	0	0	1	1	2	0	0	4	0.40	0.70	0.22	0.37
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

GORGONIANS (G)															0.74
Briareum (BRI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	59	61	27	0	3	3	4	14	80	38	289	28.90	29.16	9.22	0.25
Erythropodium (ERY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eunicea (EUN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	2	0	0	0	0	0	0	0	0	0	2	0.20	0.63	0.20	0.03
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	0	0	0	0	0	0	6	0	9	0	15	1.50	3.24	1.02	0.12
Muriceopsis (MOPS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	26	14	0	0	0	9	8	9	0	39	105	10.50	12.98	4.10	0.35
Pterogorgia (PTER)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)															0.00
Sponge (SPO)	52	39	67	5	12	25	13	11	53	26	303	30.30	21.35	6.75	0.00
ZOANTHIDS (Z)															0.00
Palythoa sp. (PAL)	28	5	26	0	0	0	0	0	0	10	69	6.90	11.10	3.51	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)															0.08
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	33	12	10	0	0	0	0	0	4	0	59	5.90	10.55	3.33	0.06
Padina (PAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	389	366	398	354	474	366	409	364	362	422	3904	390.40	37.14	11.74	0.01
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)															0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)															0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)															0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)															0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)															0.00
Pavement (P)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	4	2	8	30	73	80	95	130	1	0	423	42.30	48.01	15.18	0.00
UNKNOWNS (U)															0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)															
Shadow (SHAD)	5	1	4	0	0	0	0	0	0	0	10	1.00	1.89	0.60	
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	51	50	60	36	63	41	39	45	61	65	511	51.10	10.68	3.38	
NOTES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)															
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PL	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**0.93**	**0.76**	**0.83**	**0.34**	**0.52**	**0.77**	**0.73**	**0.84**	**0.84**	**0.69**
CORAL (C)	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.05	0.00
GORGONIANS (G)	0.28	0.28	0.15	0.00	0.03	0.09	0.11	0.14	0.30	0.28
SPONGES (S)	0.21	0.20	0.26	0.06	0.08	0.15	0.09	0.08	0.23	0.15
ZOANTHIDS (Z)	0.14	0.05	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.07
MACROALGAE (MA)	0.24	0.21	0.21	0.09	0.14	0.21	0.21	0.26	0.24	0.19
OTHER LIVE (OL)	0.00	0.00	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	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	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	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.03	0.02	0.06	0.20	0.27	0.30	0.31	0.34	0.01	0.00
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)										

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: R3S2

TRANSECT NAME	T1	T10	T2	T3	T4	T5	T6	T7	T9	T8			
Number of frames	**23**	**23**	**23**	**26**	**23**	**22**	**22**	**23**	**24**	**23**			
Total points	**575**	**575**	**575**	**650**	**575**	**550**	**550**	**575**	**600**	**575**			
Total points (minus tape+wand+shado	**515**	**521**	**492**	**571**	**532**	**504**	**490**	**514**	**536**	**538**			
MAJOR CATEGORY (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	1.49	0.00	0.17	0.47	0.15
GORGONIANS (G)	7.57	4.03	1.22	7.88	9.77	15.48	4.08	12.45	11.94	1.30	7.57	4.88	1.54
SPONGES (S)	1.55	6.33	4.27	4.03	3.57	0.99	5.92	8.75	2.24	1.86	3.95	2.47	0.78
ZOANTHIDS (Z)	0.78	1.34	0.00	0.00	1.32	0.00	0.20	0.00	1.68	0.00	0.53	0.68	0.22
MACROALGAE (MA)	80.19	65.83	93.29	84.41	84.02	81.94	88.98	74.51	82.28	89.41	82.49	7.88	2.49
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	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	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	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	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	9.90	22.46	1.22	3.68	1.32	1.39	0.82	4.28	0.37	7.43	5.29	6.80	2.15
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	10.43	9.39	14.43	12.15	7.48	8.36	10.91	10.61	10.67	6.43	10.09	2.31	0.73
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)													
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.00	0.15	0.47	0.15
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.02	0.06	0.02
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)													
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	7.57	1.15	1.22	7.88	9.77	13.89	4.08	12.45	9.51	0.37	6.79	4.85	1.53
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.04	0.12	0.04
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.06	0.18	0.06
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	0.00	2.88	0.00	0.00	0.00	1.59	0.00	0.00	2.43	0.00	0.69	1.15	0.36
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)													
Sponge (SPO)	1.55	6.33	4.27	4.03	3.57	0.99	5.92	8.75	2.24	1.86	3.95	2.47	0.78
ZOANTHIDS (Z)													
Palythoa sp. (PAL)	0.78	1.34	0.00	0.00	1.32	0.00	0.20	0.00	1.68	0.00	0.53	0.68	0.22
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)													
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0.00	0.00	4.27	4.38	6.02	4.56	0.41	0.00	2.24	4.09	2.60	2.33	0.74
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	80.19	65.83	89.02	80.04	78.01	77.38	88.57	74.51	80.04	85.32	79.89	6.87	2.17
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)													
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)													
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)													
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)													
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)													
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.06	0.18	0.06
Sand (S)	9.90	22.46	1.22	3.68	1.32	1.39	0.82	4.28	0.37	6.88	5.23	6.78	2.14
UNKNOWNS (U)													
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)													
Shadow (SHAD)	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.22	0.07
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	10.43	8.70	14.43	12.15	7.48	8.36	10.91	10.61	10.67	6.43	10.02	2.35	0.74
NOTES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II) (P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)													
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	0	0	0	0	0	1	0	0	8	0	9	0.90	2.51	0.80	0.35
GORGONIANS (G)	39	21	6	45	52	78	20	64	64	7	396	39.60	25.32	8.01	0.38
SPONGES (S)	8	33	21	23	19	5	29	45	12	10	205	20.50	12.55	3.97	0.00
ZOANTHIDS (Z)	4	7	0	0	7	0	1	0	9	0	28	2.80	3.61	1.14	0.00
MACROALGAE (MA)	413	343	459	482	447	413	436	383	441	481	4298	429.80	43.39	13.72	0.14
OTHER LIVE (OL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	51	117	6	21	7	7	4	22	2	40	277	27.70	35.43	11.20	0.06
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	60	54	83	79	43	46	60	61	64	37	587	58.70	14.68	4.64	
TOTAL TRANSECT POINTS	**575**	**575**	**575**	**650**	**575**	**550**	**550**	**575**	**600**	**575**	**5800**				
SUBCATEGORIES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)															0.35
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	0	0	0	0	0	0	0	8	0	8	0.80	2.53	0.80	0.10
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	0	0	0	1	0	0	0	0	1	0.10	0.32	0.10	0.24
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

GORGONIANS (G)															0.38
Briareum (BRI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	39	6	6	45	52	70	20	64	51	2	355	35.50	25.21	7.97	0.10
Erythropodium (ERY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eunicea (EUN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0	0	0	0	0	0	0	0	0	2	2	0.20	0.63	0.20	0.03
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	0	0	0	0	0	0	0	0	0	3	3	0.30	0.95	0.30	0.04
Muriceopsis (MOPS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	0	15	0	0	0	8	0	0	13	0	36	3.60	6.04	1.91	0.22
Pterogorgia (PTER)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)															0.00
Sponge (SPO)	8	33	21	23	19	5	29	45	12	10	205	20.50	12.55	3.97	0.00
ZOANTHIDS (Z)															0.00
Palythoa sp. (PAL)	4	7	0	0	7	0	1	0	9	0	28	2.80	3.61	1.14	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)															0.14
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0	0	21	25	32	23	2	0	12	22	137	13.70	12.36	3.91	0.11
Padina (PAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	413	343	438	457	415	390	434	383	429	459	4161	416.10	35.92	11.36	0.03
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)															0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)															0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)															0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)															0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)															0.06
Pavement (P)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	3	3	0.30	0.95	0.30	0.05
Sand (S)	51	117	6	21	7	7	4	22	2	37	274	27.40	35.32	11.17	0.01
UNKNOWNS (U)															0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)															
Shadow (SHAD)	0	4	0	0	0	0	0	0	0	0	4	0.40	1.26	0.40	
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	60	50	83	79	43	46	60	61	64	37	583	58.30	14.88	4.70	
NOTES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (P	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)															
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (P	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**0.70**	**0.97**	**0.31**	**0.59**	**0.61**	**0.57**	**0.45**	**0.83**	**0.65**	**0.42**
CORAL (C)	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.06	0.00
GORGONIANS (G)	0.20	0.13	0.05	0.20	0.23	0.29	0.13	0.26	0.25	0.06
SPONGES (S)	0.06	0.17	0.13	0.13	0.12	0.05	0.17	0.21	0.09	0.07
ZOANTHIDS (Z)	0.04	0.06	0.00	0.00	0.06	0.00	0.01	0.00	0.07	0.00
MACROALGAE (MA)	0.18	0.28	0.06	0.14	0.15	0.16	0.10	0.22	0.16	0.10
OTHER LIVE (OL)	0.00	0.00	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	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	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	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.23	0.34	0.05	0.12	0.06	0.06	0.04	0.13	0.02	0.19
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)										

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: R3S3

TRANSECT NAME	T1	T10	T2	T3	T4	T5	T6	T7	T8	T9			
Number of frames	**21**	**23**	**20**	**24**	**22**	**22**	**24**	**24**	**21**	**21**			
Total points	**525**	**575**	**500**	**600**	**550**	**550**	**600**	**600**	**525**	**525**			
Total points (minus tape+wand+shado	**476**	**516**	**451**	**549**	**511**	**504**	**546**	**541**	**483**	**475**			
MAJOR CATEGORY (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	0.00	0.00	0.00	0.00	0.78	0.00	0.00	0.74	1.24	0.00	0.28	0.46	0.15
GORGONIANS (G)	2.52	0.00	14.41	0.00	8.61	1.19	0.00	0.74	22.77	3.58	5.38	7.69	2.43
SPONGES (S)	6.93	2.91	3.77	1.82	9.78	4.56	1.65	1.48	1.04	13.26	4.72	4.08	1.29
ZOANTHIDS (Z)	0.00	0.00	1.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.56	0.18
MACROALGAE (MA)	67.02	81.40	80.04	86.70	80.63	89.48	68.32	81.15	74.95	83.16	79.28	7.26	2.29
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	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	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	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	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	23.53	15.70	0.00	11.48	0.20	4.76	30.04	15.90	0.00	0.00	10.16	10.94	3.46
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	9.33	10.26	9.80	8.50	7.09	8.36	9.00	9.83	8.00	9.52	8.97	0.98	0.31
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)													
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.02	0.07	0.02
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.04	0.12	0.04
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.83	0.00	0.12	0.28	0.09
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.21	0.00	0.09	0.24	0.07
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)													
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	0.63	0.00	13.75	0.00	3.91	0.20	0.00	0.74	22.77	3.16	4.52	7.67	2.43
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.00	0.00	0.67	0.00	0.00	0.99	0.00	0.00	0.00	0.42	0.21	0.36	0.11
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	1.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.60	0.19
Pseudoplexaura (PSDP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	0.00	0.00	0.00	0.00	4.70	0.00	0.00	0.00	0.00	0.00	0.47	1.49	0.47
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)													
Sponge (SPO)	6.93	2.91	3.77	1.82	9.78	4.56	1.65	1.48	1.04	13.26	4.72	4.08	1.29
ZOANTHIDS (Z)													
Palythoa sp. (PAL)	0.00	0.00	1.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.56	0.18
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)													
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0.00	0.00	1.55	0.00	0.98	0.00	0.00	0.00	5.59	6.74	1.49	2.54	0.80
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	67.02	81.40	78.49	86.70	79.65	89.48	68.32	81.15	69.36	76.42	77.80	7.62	2.41
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)													
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)													
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)													
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)													
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)													
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	23.53	15.70	0.00	11.48	0.20	4.76	30.04	15.90	0.00	0.00	10.16	10.94	3.46
UNKNOWNS (U)													
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)													
Shadow (SHAD)	0.00	0.00	0.20	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.07	0.18	0.06
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	9.33	10.26	9.60	8.50	6.55	8.36	9.00	9.83	8.00	9.52	8.90	1.09	0.34
NOTES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II) (F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)													
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	0	0	0	0	4	0	0	4	6	0	14	1.40	2.32	0.73	1.20
GORGONIANS (G)	12	0	65	0	44	6	0	4	110	17	258	25.80	36.65	11.59	0.62
SPONGES (S)	33	15	17	10	50	23	9	8	5	63	233	23.30	19.56	6.18	0.00
ZOANTHIDS (Z)	0	0	8	0	0	0	0	0	0	0	8	0.80	2.53	0.80	0.00
MACROALGAE (MA)	319	420	361	476	412	451	373	439	362	395	4008	400.80	47.98	15.17	0.09
OTHER LIVE (OL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	112	81	0	63	1	24	164	86	0	0	531	53.10	57.49	18.18	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	49	59	49	51	39	46	54	59	42	50	498	49.80	6.51	2.06	
TOTAL TRANSECT POINTS	**525**	**575**	**500**	**600**	**550**	**550**	**600**	**600**	**525**	**525**	**5550**				
SUBCATEGORIES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)															1.20
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	1	0	1	0.10	0.32	0.10	0.19
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	0	0	0	2	0	0	0	0	0	2	0.20	0.63	0.20	0.28
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0	0	0	0	2	0	0	0	4	0	6	0.60	1.35	0.43	0.36
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	0	0	0	0	0	4	1	0	5	0.50	1.27	0.40	0.37
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

GORGONIANS (G)															0.62
Briareum (BRI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	3	0	62	0	20	1	0	4	110	15	215	21.50	36.47	11.53	0.15
Erythropodium (ERY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eunicea (EUN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	0	0	3	0	0	5	0	0	0	2	10	1.00	1.76	0.56	0.13
Muriceopsis (MOPS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	9	0	0	0	0	0	0	0	0	0	9	0.90	2.85	0.90	0.12
Pseudoplexaura (PSDP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	0	0	0	0	24	0	0	0	0	0	24	2.40	7.59	2.40	0.22
Pterogorgia (PTER)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)															0.00
Sponge (SPO)	33	15	17	10	50	23	9	8	5	63	233	23.30	19.56	6.18	0.00
ZOANTHIDS (Z)															0.00
Palythoa sp. (PAL)	0	0	8	0	0	0	0	0	0	0	8	0.80	2.53	0.80	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)															0.09
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0	0	7	0	5	0	0	0	27	32	71	7.10	12.12	3.83	0.07
Padina (PAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	319	420	354	476	407	451	373	439	335	363	3937	393.70	52.65	16.65	0.02
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)															0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)															0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)															0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)															0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)															0.00
Pavement (P)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	112	81	0	63	1	24	164	86	0	0	531	53.10	57.49	18.18	0.00
UNKNOWNS (U)															0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)															
Shadow (SHAD)	0	0	1	0	3	0	0	0	0	0	4	0.40	0.97	0.31	
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	49	59	48	51	36	46	54	59	42	50	494	49.40	7.12	2.25	
NOTES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (F	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)															
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (F	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**0.89**	**0.56**	**0.65**	**0.45**	**0.66**	**0.44**	**0.69**	**0.60**	**0.65**	**0.54**
CORAL (C)	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04	0.05	0.00
GORGONIANS (G)	0.09	0.00	0.28	0.00	0.21	0.05	0.00	0.04	0.34	0.12
SPONGES (S)	0.19	0.10	0.12	0.07	0.23	0.14	0.07	0.06	0.05	0.27
ZOANTHIDS (Z)	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)	0.27	0.17	0.18	0.12	0.17	0.10	0.26	0.17	0.22	0.15
OTHER LIVE (OL)	0.00	0.00	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	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	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	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.34	0.29	0.00	0.25	0.01	0.14	0.36	0.29	0.00	0.00
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)										

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: R3SC1

TRANSECT NAME	T1	T10	T2	T3	T4	T5	T6	T7	T8	T9			
Number of frames	**19**	**20**	**19**	**19**	**19**	**20**	**21**	**18**	**18**	**20**			
Total points	**475**	**500**	**475**	**475**	**475**	**500**	**525**	**450**	**450**	**500**			
Total points (minus tape+wand+shadow	**438**	**447**	**441**	**433**	**429**	**450**	**493**	**420**	**394**	**449**			
MAJOR CATEGORY (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	0.00	0.00	0.00	0.46	0.23	0.00	0.00	0.00	0.00	0.22	0.09	0.16	0.05
GORGONIANS (G)	10.05	4.92	0.68	3.46	0.00	7.56	3.04	14.52	7.11	8.02	5.94	4.44	1.40
SPONGES (S)	2.74	6.04	0.23	2.54	2.10	1.78	2.03	4.29	6.09	3.34	3.12	1.88	0.59
ZOANTHIDS (Z)	0.46	0.00	0.45	0.00	0.00	1.33	0.00	0.00	0.00	0.00	0.22	0.43	0.14
MACROALGAE (MA)	65.75	74.05	63.95	76.44	60.37	86.67	55.58	79.76	82.49	74.61	71.97	10.14	3.21
OTHER LIVE (OL)	0.00	0.00	0.00	0.00	0.00	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	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	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	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	21.00	14.99	34.69	17.09	37.30	2.67	39.35	1.43	4.31	13.81	18.66	14.28	4.52
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	7.79	10.60	7.16	8.84	9.68	10.00	6.10	6.67	12.44	10.20	8.95	2.00	0.63
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)													
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.15	0.05

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.02	0.07	0.02
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.02	0.07	0.02
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)													
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	6.85	4.25	0.68	1.85	0.00	4.89	0.61	7.14	7.11	8.02	4.14	3.12	0.99
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	1.83	0.22	0.00	1.62	0.00	0.00	0.00	1.67	0.00	0.00	0.53	0.81	0.26
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	1.37	0.45	0.00	0.00	0.00	2.67	2.43	5.71	0.00	0.00	1.26	1.88	0.59
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)													
Sponge (SPO)	2.74	6.04	0.23	2.54	2.10	1.78	2.03	4.29	6.09	3.34	3.12	1.88	0.59
ZOANTHIDS (Z)													
Palythoa sp. (PAL)	0.46	0.00	0.45	0.00	0.00	1.33	0.00	0.00	0.00	0.00	0.22	0.43	0.14
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)													
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	65.75	74.05	63.95	76.44	60.37	86.67	55.58	79.76	82.49	74.61	71.97	10.14	3.21
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)													
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)													
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)													
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)													
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)													
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	21.00	14.99	34.69	17.09	37.30	2.67	39.35	1.43	4.31	13.81	18.66	14.28	4.52
UNKNOWNS (U)													
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)													
Shadow (SHAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	7.79	10.60	7.16	8.84	9.68	10.00	6.10	6.67	12.44	10.20	8.95	2.00	0.63
NOTES (% of transect)											**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II) (Pl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)													
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (Pl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	0	0	0	2	1	0	0	0	0	1	4	0.40	0.70	0.22	1.04
GORGONIANS (G)	44	22	3	15	0	34	15	61	28	36	258	25.80	18.80	5.94	0.80
SPONGES (S)	12	27	1	11	9	8	10	18	24	15	135	13.50	7.76	2.46	0.00
ZOANTHIDS (Z)	2	0	2	0	0	6	0	0	0	0	10	1.00	1.94	0.61	0.00
MACROALGAE (MA)	288	331	282	331	259	390	274	335	325	335	3150	315.00	38.98	12.33	0.00
OTHER LIVE (OL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	92	67	153	74	160	12	194	6	17	62	837	83.70	66.11	20.90	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	37	53	34	42	46	50	32	30	56	51	431	43.10	9.42	2.98	
TOTAL TRANSECT POINTS	**475**	**500**	**475**	**475**	**475**	**500**	**525**	**450**	**450**	**500**	**4825**				
SUBCATEGORIES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)															1.04
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0	0	0	2	0	0	0	0	0	0	2	0.20	0.63	0.20	0.35
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0	0	0	0	1	0	0	0	0	0	1	0.10	0.32	0.10	0.35
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	0	0	0	0	0	0	0	1	1	0.10	0.32	0.10	0.35
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

GORGONIANS (G)															0.80
Briareum (BRI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	30	19	3	8	0	22	3	30	28	36	179	17.90	13.35	4.22	0.25
Erythropodium (ERY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eunicea (EUN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	8	1	0	7	0	0	0	7	0	0	23	2.30	3.50	1.11	0.22
Muriceopsis (MOPS)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	6	2	0	0	0	12	12	24	0	0	56	5.60	8.10	2.56	0.33
Pterogorgia (PTER)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)															0.00
Sponge (SPO)	12	27	1	11	9	8	10	18	24	15	135	13.50	7.76	2.46	0.00
ZOANTHIDS (Z)															0.00
Palythoa sp. (PAL)	2	0	2	0	0	6	0	0	0	0	10	1.00	1.94	0.61	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)															0.00
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Padina (PAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	288	331	282	331	259	390	274	335	325	335	3150	315.00	38.98	12.33	0.00
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)															0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)															0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)															0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)															0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)															0.00
Pavement (P)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	92	67	153	74	160	12	194	6	17	62	837	83.70	66.11	20.90	0.00
UNKNOWNS (U)															0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)															
Shadow (SHAD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	37	53	34	42	46	50	32	30	56	51	431	43.10	9.42	2.98	
NOTES (occurring in transect)											**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (Pl	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)															
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (Pl	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**0.96**	**0.82**	**0.73**	**0.74**	**0.77**	**0.55**	**0.88**	**0.66**	**0.65**	**0.82**
CORAL (C)	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.01
GORGONIANS (G)	0.23	0.15	0.03	0.12	0.00	0.20	0.11	0.28	0.19	0.20
SPONGES (S)	0.10	0.17	0.01	0.09	0.08	0.07	0.08	0.13	0.17	0.11
ZOANTHIDS (Z)	0.02	0.00	0.02	0.00	0.00	0.06	0.00	0.00	0.00	0.00
MACROALGAE (MA)	0.28	0.22	0.29	0.21	0.30	0.12	0.33	0.18	0.16	0.22
OTHER LIVE (OL)	0.00	0.00	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	0.00	0.00
CORALLINE ALGAE (CA)	0.00	0.00	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	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	0.33	0.28	0.37	0.30	0.37	0.10	0.37	0.06	0.14	0.27
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)										

Project: Analysis date:

Dataset name: Analysis by:

Location: Lat: Long:

File/sheetname: R3SC2

TRANSECT NAME	T1	T2	T3	T4	T5	T6	T7	T8			
Number of frames	**19**	**19**	**19**	**18**	**18**	**18**	**18**	**18**			
Total points	**475**	**475**	**475**	**450**	**450**	**450**	**450**	**450**			
Total points (minus tape+wand+shadow)	**443**	**423**	**435**	**401**	**418**	**413**	**415**	**394**			
MAJOR CATEGORY (% of transect)									**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)	0.00	0.95	0.00	2.00	2.15	0.24	0.00	1.27	0.83	0.90	0.32
GORGONIANS (G)	12.19	7.09	6.44	14.21	24.16	12.83	7.47	8.38	11.60	5.87	2.07
SPONGES (S)	1.35	6.38	5.98	3.24	5.98	4.36	8.19	1.52	4.63	2.44	0.86
ZOANTHIDS (Z)	0.00	2.60	0.00	2.00	0.72	0.00	0.72	1.52	0.94	1.00	0.35
MACROALGAE (MA)	85.33	80.85	81.61	73.57	61.48	78.45	82.65	83.76	78.46	7.75	2.74
OTHER LIVE (OL)	0.00	0.00	0.00	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	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	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	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	1.13	2.13	5.98	4.99	5.50	4.12	0.96	3.55	3.54	1.95	0.69
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	6.74	10.95	8.42	10.89	7.11	8.22	7.78	12.44	9.07	2.08	0.74
Sum (excluding tape+shadow+wand)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00			
SUBCATEGORIES (% of transect)									**MEAN**	**STD. DEV.**	**STD. ERROR**
CORAL (C)											
Acropora cervicornis (AC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Coral juvenile (CORJU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria clivosa (DC)	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.19	0.53	0.19
Diploria labyrinthiformis (DL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0.00	0.47	0.00	0.00	1.67	0.00	0.00	0.00	0.27	0.59	0.21
Eusmilia fastigiata (EF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Favia fragum (FF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0.00	0.47	0.00	0.50	0.48	0.24	0.00	0.00	0.21	0.24	0.08
Millipora complanata (MILC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	0.16	0.45	0.16
Montastrea franksi (MFRN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites branneri (PB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites furcata (PF)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porites porites (PP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solenastrea bournoni (SB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GORGONIANS (G)											
Briareum (BRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ellisella (ELL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	10.84	4.26	6.44	7.98	10.05	9.69	7.47	5.33	7.76	2.34	0.83
Erythropodium (ERY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Eunicea (EUN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Muricea (MUR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.54	0.32	0.90	0.32
Muriceopsis (MOPS)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	1.35	2.84	0.00	6.23	14.11	3.15	0.00	0.51	3.52	4.76	1.68
Pterogorgia (PTER)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPONGES (S)											
Sponge (SPO)	1.35	6.38	5.98	3.24	5.98	4.36	8.19	1.52	4.63	2.44	0.86
ZOANTHIDS (Z)											
Palythoa sp. (PAL)	0.00	2.60	0.00	2.00	0.72	0.00	0.72	1.52	0.94	1.00	0.35
Zoanthid (ZO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACROALGAE (MA)											
Amphiroa (AMP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dictyota (DICT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halimeda (HALI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liagora (LIAG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0.00	0.00	0.46	0.00	0.24	0.00	1.20	0.00	0.24	0.43	0.15
Padina (PAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Porolithon (POR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sargassum (SARG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stypopodium (STY)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Turbinaria (TURB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turf (TURF)	85.33	80.85	81.15	73.57	61.24	78.45	81.45	83.76	78.22	7.72	2.73
Wrangelia (WRAN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER LIVE (OL)											
Ascidian (ASC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)											
Dead coral with algae (DCA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)											
Coralline algae (CALG)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)											
Diseased coral (DCOR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)											
Pavement (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubble (R)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sand (S)	1.13	2.13	5.98	4.99	5.50	4.12	0.96	3.55	3.54	1.95	0.69
UNKNOWNS (U)											
Unknown (UNK)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)											
Shadow (SHAD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tape (TAPE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wand (WAND)	6.74	10.95	8.42	10.89	7.11	8.22	7.78	12.44	9.07	2.08	0.74
NOTES (% of transect)									**MEAN**	**STD. DEV.**	**STD. ERROR**
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plague, Type II (White Plague, Type II) (PLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOTES (% of coral)											
Aspergillus (ASP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Band Disease (BBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bleached coral point (BL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other disease (OD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PLA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
White Band Disease (WBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)									**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)	0	4	0	8	9	1	0	5	27	3.38	3.70	1.31	1.36
GORGONIANS (G)	54	30	28	57	101	53	31	33	387	48.38	24.46	8.65	0.72
SPONGES (S)	6	27	26	13	25	18	34	6	155	19.38	10.34	3.65	0.00
ZOANTHIDS (Z)	0	11	0	8	3	0	3	6	31	3.88	4.12	1.46	0.00
MACROALGAE (MA)	378	342	355	295	257	324	343	330	2624	328.00	37.42	13.23	0.02
OTHER LIVE (OL)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)	5	9	26	20	23	17	4	14	118	14.75	8.21	2.90	0.00
UNKNOWNS (U)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)	32	52	40	49	32	37	35	56	333	41.63	9.43	3.33	
TOTAL TRANSECT POINTS	**475**	**475**	**475**	**450**	**450**	**450**	**450**	**450**	**3675**				
SUBCATEGORIES (occurring in transect)									**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	**SW INDEX**
CORAL (C)													1.36
Acropora cervicornis (AC)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora palmata (AP)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Acropora prolifera (APR)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia agaricites (AA)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia fragilis (AF)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia grahamae (AG)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia lamarcki (AL)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia tenuifolia (AT)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Agaricia undata (AU)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia breviserialis (CB)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Colpophyllia natans (CN)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral (general) (CORAL)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Coral juvenile (CORJU)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dendrogyra cylindrus (DCY)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stellaris (DST)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dichocoenia stokesi (DSO)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

Diploria clivosa (DC)	0	0	0	6	0	0	0	0	6	0.75	2.12	0.75	0.33
Diploria labyrinthiformis (DL)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Diploria strigosa (DS)	0	2	0	0	7	0	0	0	9	1.13	2.47	0.88	0.37
Eusmilia fastigiata (EF)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Favia fragum (FF)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Isophyllia sinuosa (IS)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Leptoseris cucullata (LC)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis decactis (MD)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Madracis mirabilis (MM)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Manicina areolata (MAR)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Meandrina meandrites (MME)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora alcicornis (MILA)	0	2	0	2	2	1	0	0	7	0.88	0.99	0.35	0.35
Millipora complanata (MILC)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Millipora squarrosa (MILS)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea annularis (MA)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastraea cavernosa (MC)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Montastrea faveolata (MFAV)	0	0	0	0	0	0	0	5	5	0.63	1.77	0.63	0.31
Montastrea franksi (MFRN)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mussa angulosa (MAN)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia aliciae (MAL)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia danaana (MDA)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia ferox (MF)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Mycetophyllia lamarckiana (ML)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Oculina diffusa (OD)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites astreoides (PA)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites branneri (PB)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites divaricata (PD)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites furcata (PF)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porites porites (PP)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rhizosmillia maculata (RZM)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia cubensis (SC)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Scolymia lacera (SL)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea radians (SR)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Siderastrea siderea (SS)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea bournoni (SB)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Solenastrea hyades (SH)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stephanocoenia michelinii (SM)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Tubastraea aurea (TA)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00

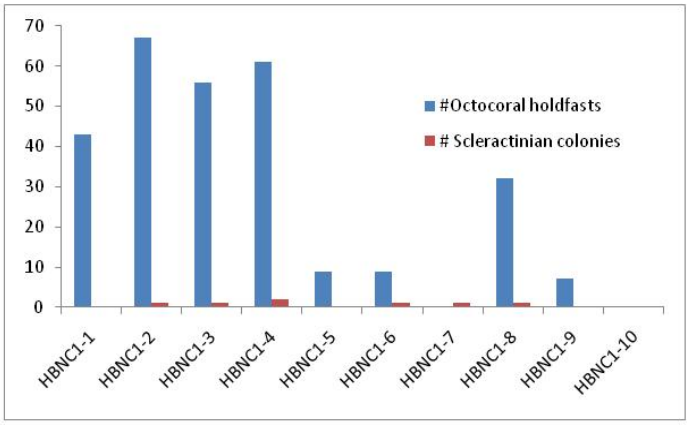
GORGONIANS (G)													0.72
Briareum (BRI)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ecrusting Gorgonian (ENGOR)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Ellisella (ELL)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Erect Gorgonian (ERGOR)	48	18	28	32	42	40	31	21	260	32.50	10.36	3.66	0.27
Erythropodium (ERY)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Eunicea (EUN)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonia (GOR)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Gorgonian (GORG)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Iciligorgia (ICIL)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Muricea (MUR)	0	0	0	0	0	0	0	10	10	1.25	3.54	1.25	0.09
Muriceopsis (MOPS)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaura (PAURA)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Plexaurella (PRELA)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudoplexaura (PSDP)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Pseudopterogorgia (PSPT)	6	12	0	25	59	13	0	2	117	14.63	19.81	7.00	0.36
Pterogorgia (PTER)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SPONGES (S)													0.00
Sponge (SPO)	6	27	26	13	25	18	34	6	155	19.38	10.34	3.65	0.00
ZOANTHIDS (Z)													0.00
Palythoa sp. (PAL)	0	11	0	8	3	0	3	6	31	3.88	4.12	1.46	0.00
Zoanthid (ZO)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
MACROALGAE (MA)													0.02
Amphiroa (AMP)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dictyota (DICT)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Halimeda (HALI)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Liagora (LIAG)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Lobophora (LOBO)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Macroalgae (MACA)	0	0	2	0	1	0	5	0	8	1.00	1.77	0.63	0.02
Padina (PAD)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Porolithon (POR)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sargassum (SARG)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Schizothrix (SCHIZ)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Stypopodium (STY)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turbinaria (TURB)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Turf (TURF)	378	342	353	295	256	324	338	330	2616	327.00	37.24	13.17	0.00
Wrangelia (WRAN)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
OTHER LIVE (OL)													0.00

Ascidian (ASC)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Other (O)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL WITH ALGAE (DCA)													0.00
Dead coral with algae (DCA)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Dead gorgonian (DG)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Old dead coral (ODC)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Recently dead coral (RDC)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE (CA)													0.00
Coralline algae (CALG)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
DISEASED CORALS (DC)													0.00
Diseased coral (DCOR)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SAND, PAVEMENT, RUBBLE (SPR)													0.00
Pavement (P)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Rubble (R)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
Sand (S)	5	9	26	20	23	17	4	14	118	14.75	8.21	2.90	0.00
UNKNOWNS (U)													0.00
Unknown (UNK)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)													
Shadow (SHAD)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Tape (TAPE)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Wand (WAND)	32	52	40	49	32	37	35	56	333	41.63	9.43	3.33	
NOTES (occurring in transect)									**SUMS**	**MEAN**	**STD. DEV.**	**STD. ERROR**	
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PLA)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)													
Aspergillus (ASP)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Black Band Disease (BBD)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Bleached coral point (BL)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Other disease (OD)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Plague, Type II (White Plague, Type II) (PLA)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
White Band Disease (WBD)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	
Yellow Blotch Disease (YBD)	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	

Shannon-Weaver Index	**0.50**	**0.76**	**0.68**	**0.92**	**1.09**	**0.74**	**0.64**	**0.66**
CORAL (C)	0.00	0.04	0.00	0.08	0.08	0.01	0.00	0.06
GORGONIANS (G)	0.26	0.19	0.18	0.28	0.34	0.26	0.19	0.21
SPONGES (S)	0.06	0.18	0.17	0.11	0.17	0.14	0.20	0.06
ZOANTHIDS (Z)	0.00	0.09	0.00	0.08	0.04	0.00	0.04	0.06
MACROALGAE (MA)	0.14	0.17	0.17	0.23	0.30	0.19	0.16	0.15
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)	0.05	0.08	0.17	0.15	0.16	0.13	0.04	0.12
UNKNOWNS (U)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAPE, WAND, SHADOW (TWS)								

APPENDIX C

Colony Count Data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Scleractinian colonies
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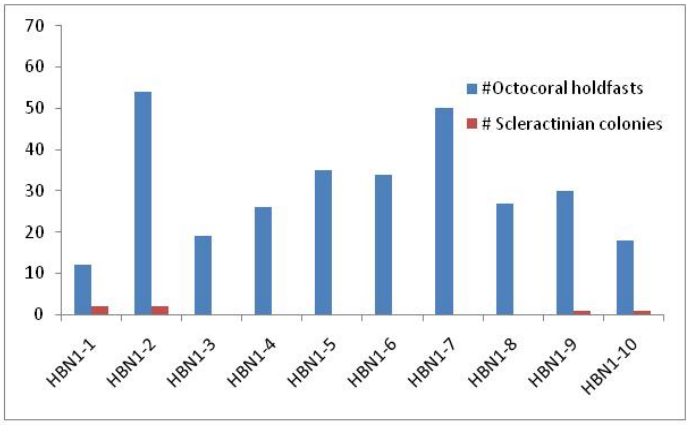
HBNC1-2
HBNC1-3
HBNC1-4
HBNC1-5
HBNC1-6
HBNC1-7
HBNC1-8
HBNC1-9
HBNC1-10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Scleractinian colonies
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HBN1-5
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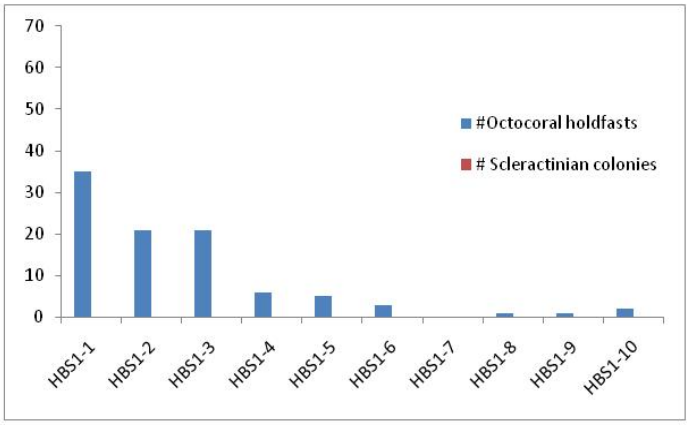
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Scleractinian colonies
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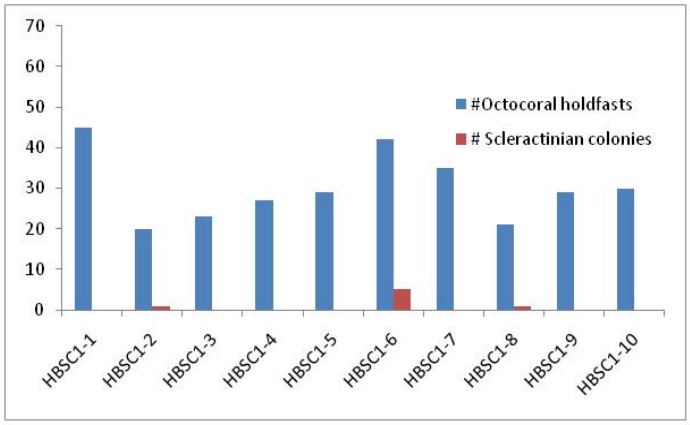
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Scleractinian colonies
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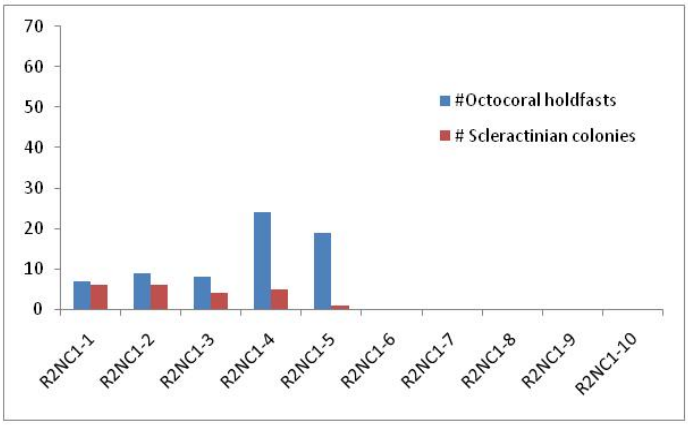
HBSC1-7
HBSC1-8
HBSC1-9
HBSC1-10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Scleractinian colonies
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R2NC1-8
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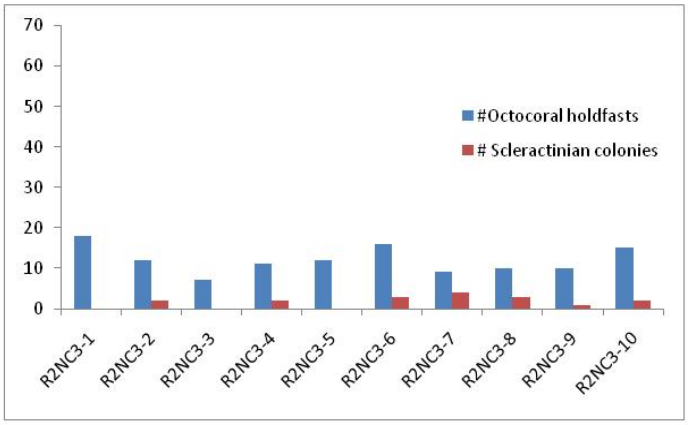
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Scleractinian colonies
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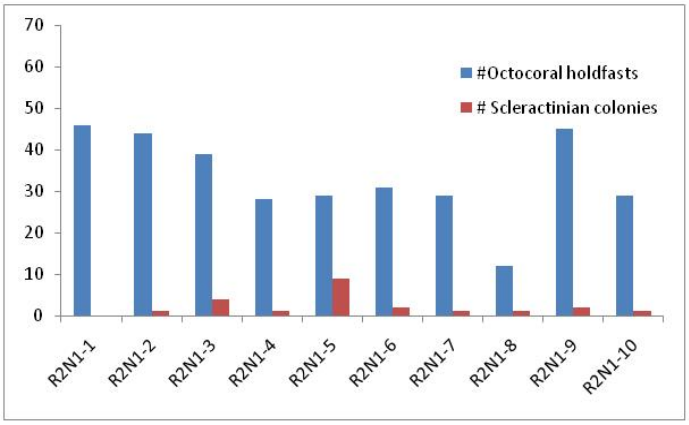
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Scleractinian colonies
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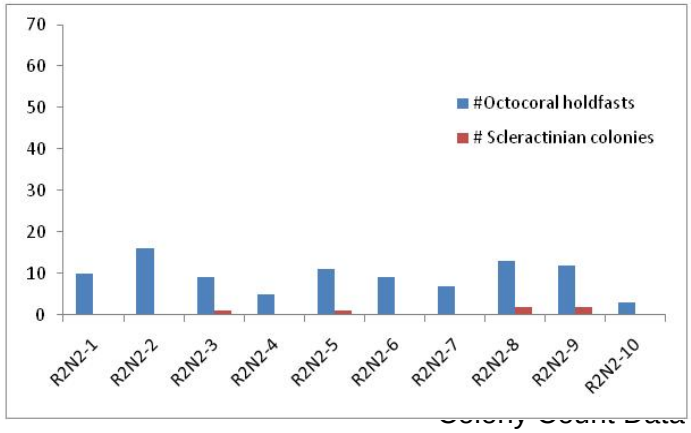
R2N1-10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Scleractinian colonies
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R2N2-8
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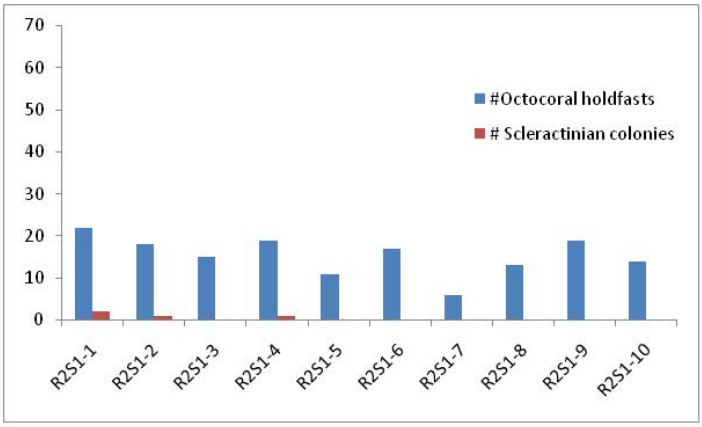
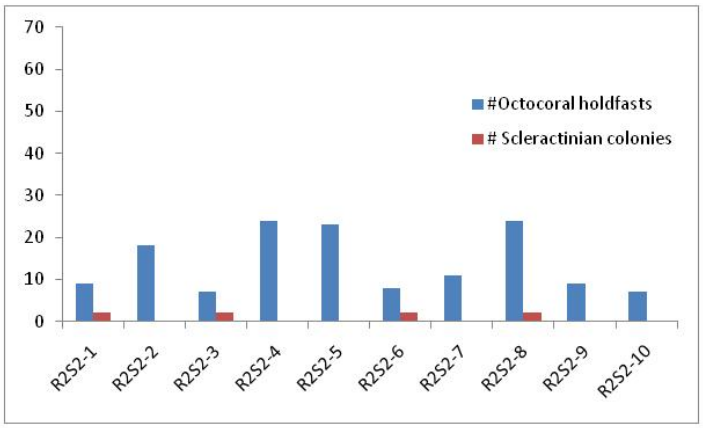
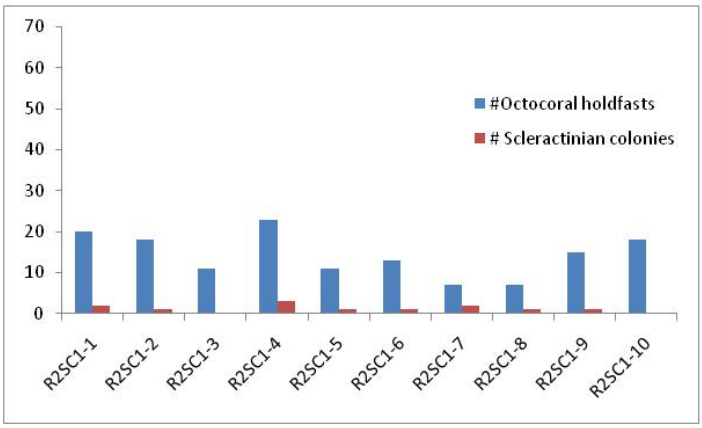
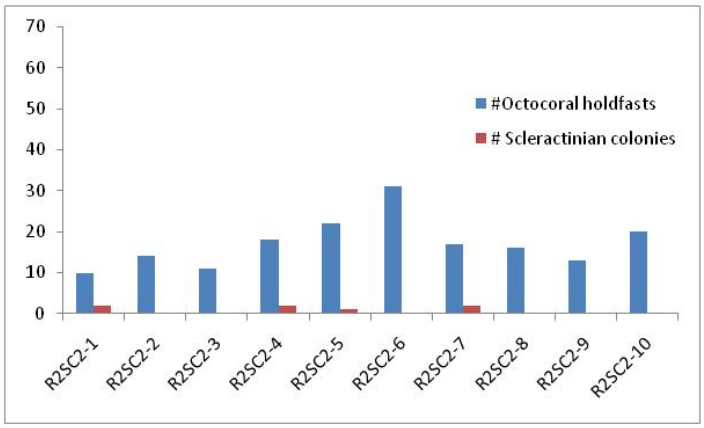
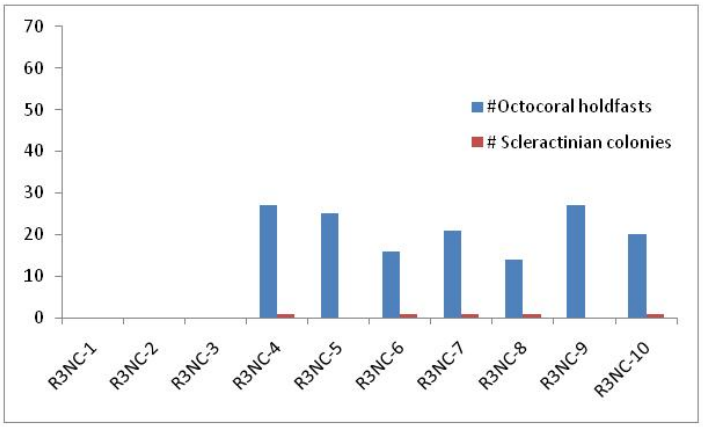
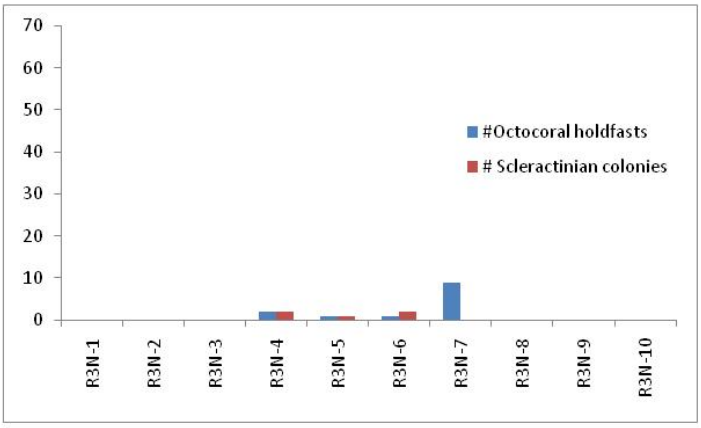


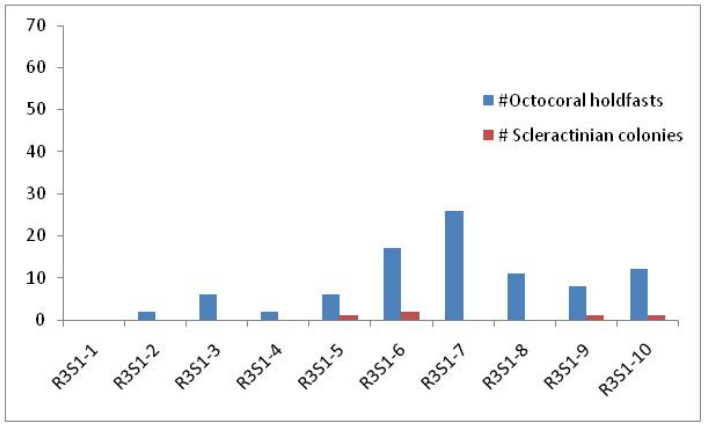


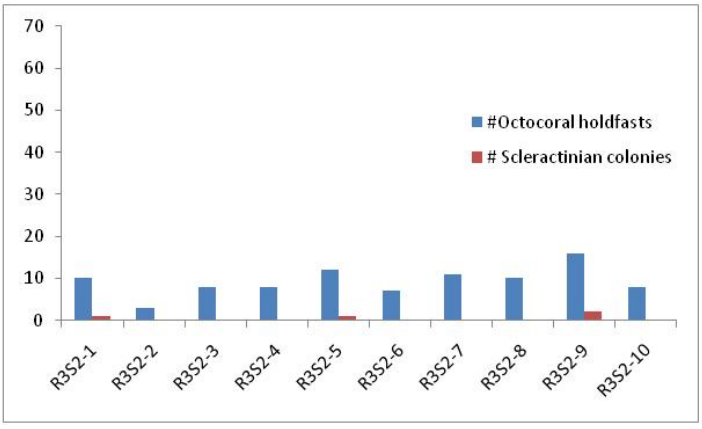




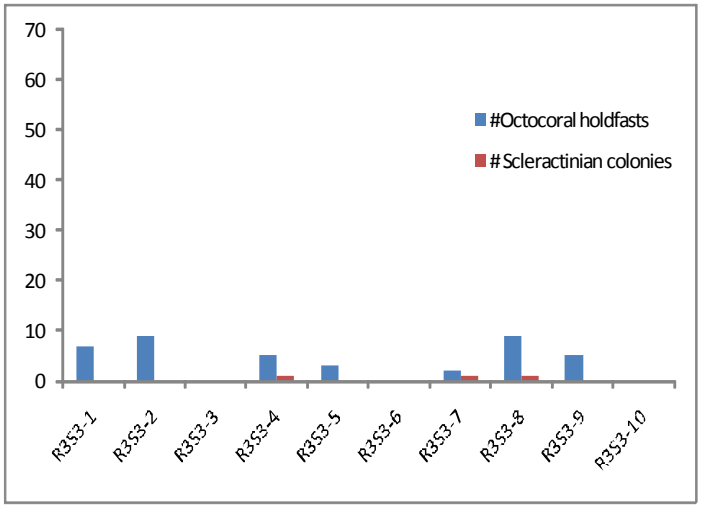


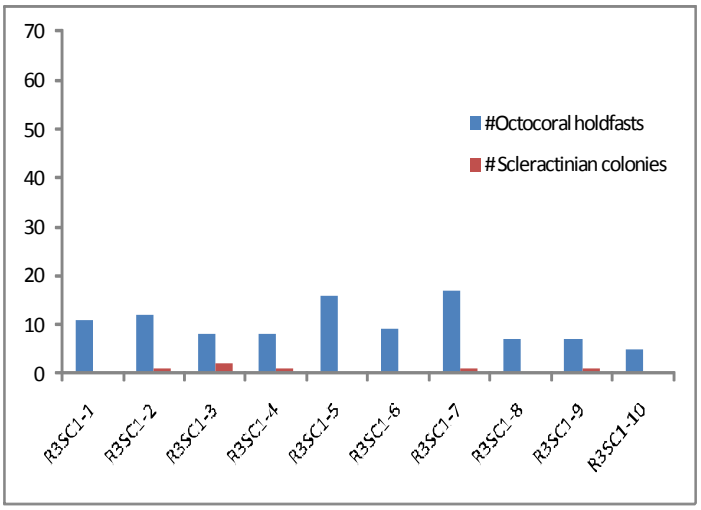


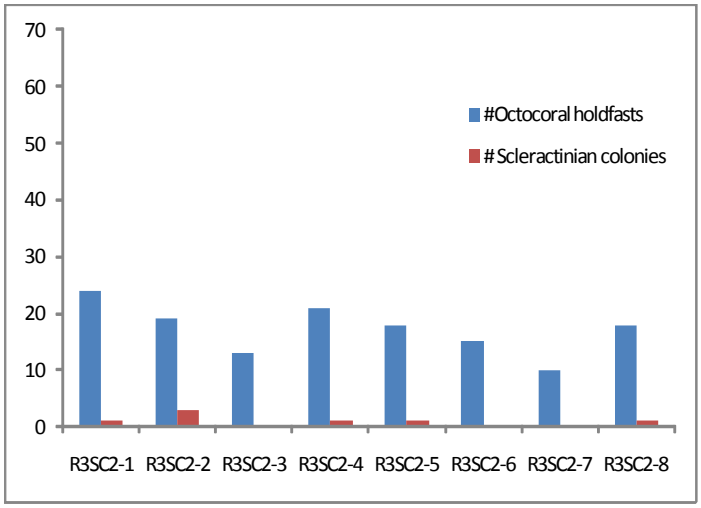




Colony Count Data







Colony Count Data

APPENDIX D

Statistical Analyses

Port of Miami
Minimum Detectable Differences for Mean Colony Counts of Octocorals and Scleractinians

Colonized Pavement Inshore (Habitat 1A): HBN, HBNC, HBS, HBSC

(A) OCTOCORALS

Analysis of Variance for -1/(Octocorals+1)**2

Source	DF	Seq SS	Adj SS	Adj MS	F	P
Treatment	1	0.00235	0.00235	0.00235	0.03	0.853
Location	1	0.00250	0.00250	0.00250	0.04	0.849
Treatment*Location	1	0.34875	0.34875	0.34875	5.17	0.029
Error	36	2.42949	2.42949	0.06749		
Total	39	2.78309				

s^2 = Error MS = 0.06749
ν_1 = 1 for Location (North/South) and Treatment (Control/Channel)
ν_2 = 30 (rounded from 36 for chart interpolation)
Φ = 4.2 (from Zar)
k' = 2
n' for Factor A: bn = (2)(10) = 20
n' for Factor B: an = (2)(10) = 20

$$\delta=\sqrt{\frac{(2k's^2\Phi^2)}{n'}}$$

δ=0.4880 ($-1/(y+1)^2$-transformed)

Mean number of colonies: untransformed; $-1/(y+1)^2$-Transformed:

Location:
North: 29.45 ± 4.59; -0.1028 ± 0.0686
South: 19.80 ± 3.26; -0.0870 ± 0.0511

Difference (untransformed; transformed): 9.65; 0.0158

Treatment:
Channel: 20.00 ± 3.67; -0.0872 ± 0.0511
Control: 29.25 ± 4.30; -0.1025 ± 0.0686

Difference: (untransformed; transformed): 9.25; 0.0153

Power (via SigmaStat):

Location: 0.05
Treatment: 0.05
Location x Treatment: 0.502

(B) SCLERACTINIANS

Analysis of Variance for Logt(Scleractinians+1)

Source	DF	Seq SS	Adj SS	Adj MS	F	P
Treatment	1	0.08156	0.08156	0.08156	2.30	0.138
Location	1	0.11646	0.11646	0.11646	3.28	0.078
Treatment*Location	1	0.02276	0.02276	0.02276	0.64	0.429
Error	36	1.27838	1.27838	0.03551		
Total	39	1.49916				

s^2 = Error MS = 0.03551
ν_1 = 1 for Location (North/South) and Treatment (Control/Channel)
ν_2 = 30 (rounded from 36 for chart interpolation)
Φ = 4.2 (from Zar)
k' = 2
n' for Factor A: bn = (2)(10) = 20
n' for Factor B: an = (2)(10) = 20

$$\delta=\sqrt{\frac{(2k's^2\Phi^2)}{n'}}$$

δ=0.3539 (Log(y+1)-transformed)

Mean number of colonies: untransformed; Log(y+1)-Transformed:

Location:
North: 0.650 ± 0.167; 0.1769 ± 0.0426
South: 0.350 ± 0.254; 0.0690 ± 0.0427

Difference (untransformed; transformed): 0.300; 0.1079

Treatment:
Channel: 0.300 ± 0.147; 0.0778 ± 0.0368
Control: 0.700 ± 0.263; 0.1681 ± 0.0487

Difference: (untransformed; transformed): 0.400; 0.0903

Power (via SigmaStat):

Location: 0.297
Treatment: 0.186
Location x Treatment: 0.05

Linear Reef Inshore (Habitat 2A): R1NC-1, R1N-2, R1S-2, R1SC-2

(A) OCTOCORALS

Analysis of Variance for Octocoral, using Adjusted SS for Tests

Source	DF	Seq SS	Adj SS	Adj MS	F	P
Treatment	1	90.00	90.00	90.00	1.97	0.169
Location	1	0.40	0.40	0.40	0.01	0.926
Treatment*Location	1	562.50	562.50	562.50	12.30	0.001
Error	36	1646.20	1646.20	45.73		
Total	39	2299.10				

s^2 = Error MS = 45.73
ν_1 = 1 for Location (North/South) and Treatment (Control/Channel)
ν_2 = 30 (rounded from 36 for chart interpolation)
Φ = 4.2 (from Zar)
k' = 2
n' for Factor A: bn = (2)(10) = 20
n' for Factor B: an = (2)(10) = 20

$$\delta=\sqrt{\frac{(2k's^2\Phi^2)}{n'}}$$

δ=12.702 (untransformed)

Mean number of colonies (untransformed):

Location:
North: 11.95 ± 2.04
South: 11.75 ± 1.38

Difference: 0.20

Treatment:
Channel: 13.35 ± 1.42
Control: 10.35 ± 1.95

Difference: 3.00

Power (via SigmaStat):

Location: 0.05
Treatment: 0.149
Location x Treatment: 0.922

(B) SCLERACTINIANS

Analysis of Variance for logt(Scleractinians)

Source	DF	Seq SS	Adj SS	Adj MS	F	P
Treatment	1	0.10901	0.10901	0.10901	1.39	0.246
Location	1	0.07534	0.07534	0.07534	0.96	0.334
Treatment*Location	1	0.04787	0.04787	0.04787	0.61	0.440
Error	36	2.82424	2.82424	0.07845		
Total	39	3.05645				

s^2 = Error MS = 0.07845
ν_1 = 1 for Location (North/South) and Treatment (Control/Channel)
ν_2 = 30 (rounded from 36 for chart interpolation)
Φ = 4.2 (from Zar)
k' = 2
n' for Factor A: bn = (2)(10) = 20
n' for Factor B: an = (2)(10) = 20

$$\delta=\sqrt{\frac{(2k's^2\Phi^2)}{n'}}$$

δ=0.5261 (Log(y+1)-transformed)

Mean number of colonies: untransformed; Log(y+1)-Transformed:

Location:
North: 1.450 ± 0.473; 0.2600 ± 0.0732
South: 0.700 ± 0.206; 0.1732 ± 0.0499

Difference (untransformed; transformed): 0.750; 0.0868

Treatment:
Channel: 0.650 ± 0.196; 0.1644 ± 0.0478
Control: 1.500 ± 0.473; 0.2688 ± 0.0740

Difference: (untransformed; transformed): 0.850; 0.1044

Power (via SigmaStat):

Location: 0.05
Treatment: 0.0878
Location x Treatment: 0.05

Interpretation

(A) Octocorals. The power of the F-tests was generally low for the octocoral counts, which suggests little difference between north and south, and between sites adjacent to and further from the channel. In both cases the interaction was significant, which would have compromised the interpretation of significant results for factors. For both tests combined, the minimum detectable difference, δ, was greater than the mean values for groups in 7 of 8 cases. This means that in most cases, even a drop from present values to zero would not be detectable.

(B) Scleractinians. The power of the F-tests was very low, corresponding to the lack of significant results. Again, the results suggest little difference between north and south, and between sites adjacent to and further from the channel. For both tests combined, the minimum detectable difference, δ, was greater than the mean values for groups in 8 of 8 cases. This means that in all cases, even a drop from present values to zero would not be detectable.

Port of Miami Pilot Study
PROPORTIONAL CORAL COVER

Colonized Pavement Inshore (Habitat 1A): HBN, HBNC, HBS, HBSC

Two-way ANOVA on Asin(sqrt(y))-transformed data:

Analysis of Variance for Asin(sqrt[y]), using Adjusted SS for Tests

Source	DF	Seq SS	Adj SS	Adj MS	F	P
North/South	1	0.000559	0.000559	0.000559	0.39	0.534
Control/Channel	1	0.001620	0.001620	0.001620	1.14	0.293
North/South*Control/Treatment	1	0.001194	0.001194	0.001194	0.84	0.365
Error	36	0.051112	0.051112	0.001420		
Total	39	0.054486				

s^2 = Error MS = 0.001420
ν_1 = 1 for Location (North/South) and Treatment (Control/Channel)
ν_2 = 30 (rounded from 36 for chart interpolation)
Φ = 4.2 (from Zar)
k' = 2
n' for Factor A: bn = (2)(10) = 20
n' for Factor B: an = (2)(10) = 20

δ = minimum detectable difference among groups within factors, with Φ set to the conventional levels of $\alpha = 0.05$ and power $1-\beta = 0.80$.

$$\delta = \sqrt{\frac{(2k's^2\Phi^2)}{n'}}$$

δ=0.070780 (Asin-transformed)

Mean Proportional Cover: untransformed; Asin(sqrt)-Transformed:

Location:
North: 0.00191 ± 0.00060; 0.02950 ± 0.00174
South: 0.00213 ± 0.00134; 0.02202 ± 0.00933

Difference (untransformed; transformed): 0.00022; 0.00748

Treatment:
Channel: 0.00115 ± 0.00043; 0.01940 ± 0.00637
Control: 0.00289 ± 0.00138; 0.03213 ± 0.00993

Difference: (untransformed; transformed): 0.00174; 0.01273

Power (via SigmaStat):

Location: 0.05
Treatment: 0.05
Location x Treatment: 0.05

Comments: Location with respect to the channel (north or south), proximity to the channel (treatment vs. control), and their interaction were all non-significant. The calculated minimum detectable difference was 7 to 10 times larger than the observed (arcsine-transformed) differences between groups (north vs. south and, separately, channel vs. control).

Linear Reef Inshore (Habitat 2A): R1NC-1, R1N-2, R1S-2, R1SC-2

Two-way ANOVA on ASIN(sqrt(y))-transformed data:

Analysis of Variance for asin(sqrt(Prop)), using Adjusted SS for Tests

Source	DF	Seq SS	Adj SS	Adj MS	F	P
North/South	1	0.000197	0.007371	0.007371	0.85	0.364
Control/Treatment	1	0.076015	0.089313	0.089313	10.31	**0.003**
North/South*Control/Treatment	1	0.024725	0.024725	0.024725	2.85	0.101
Error	30	0.259806	0.259806	0.008660		
Total	33	0.360743				

s^2 = Error MS = 0.008660
ν_1 = 1 for Location (North/South) and Treatment (Control/Channel)
ν_2 = 30 (30 from chart interpolation)
Φ = 4.2 (from Zar)
k' = 2

R1NC-1: n=5
R1N-2: n=10
R1S-2: n=10
R1SC-2: n=9

Average sample size among levels = N/4 = 34/4 = 8.5
n' for Factor A = bn = (2)(8.5) = 17
n' for Factor B = an = (2)(8.5) = 17

δ = minimum detectable difference among groups within factors, with Φ set to the conventional levels of $\alpha = 0.05$ and power $1-\beta = 0.80$.

$$\delta = \sqrt{\frac{(2k's^2\Phi^2)}{n'}}$$

δ=0.189589 (Asin-transformed)

Mean Proportional Cover (untransformed; Asin(sqrt(y+1))-transformed:

Location:
North: 0.01714 ± 0.0072; 0.0816 ± 0.0278
South: 0.01598 ± 0.0064; 0.0768 ± 0.0241

Difference (untransformed; transformed): 0.00116; 0.0048

Treatment:
Channel: 0.00676 ± 0.00453; 0.0401 ± 0.0167
Control: 0.03039 ± 0.00833; 0.1345 ± 0.0316

Difference: (untransformed; transformed): 0.02363; 0.0944

Power (via SigmaStat)

Location: 0.05
Treatment: 0.886
Location x Treatment: 0.05

Comments: Proximity to the channel was significant at *P*=0.003. Location with respect to the channel and the interaction were non-significant. The calculated minimum detectable difference was 38 times larger than the observed (arcsine-transformed) north-south difference. The minimum detectable difference was only 2 times the observed difference between channel and control, which agrees with the significant difference.

Linear Reef Offshore (Habitat 2B): R2NC-1, R2N, R2S-2, R2SC-2

Two-way ANOVA on untransformed data:

Analysis of Variance for Prop Cover, using Adjusted SS for Tests

Source	DF	Seq SS	Adj SS	Adj MS	F	P
North/South	1	0.0000154	0.0000237	0.0000237	0.58	0.453
Control/Treatment	1	0.0001089	0.0001016	0.0001016	2.47	0.126
North/South*Control/Treatment	1	0.0000835	0.0000835	0.0000835	2.03	0.164
Error	31	0.0012725	0.0012725	0.0000410		
Total	34	0.0014803				

s^2 = Error MS = 0.0000410
ν_1 = 1 for Location (North/South) and Treatment (Control/Channel)
ν_2 = 31 (rounded to 30 for chart interpolation)
Φ = 4.2 (from Zar)
k' = 2

R2NC-1: n=7
R2N: n=10
R2S-2: n=10
R2SC-2: n=8

Average sample size among levels = N/4 = 35/4 = 8.75
n' for Factor A = bn = (8.75)(2) = 17.5
n' for Factor B = an = (8.75)(2) = 17.5

δ = minimum detectable difference among groups within factors, with Φ set to the conventional levels of α = 0.05 and power 1-β = 0.80.

$$\delta = \sqrt{\frac{(2k' s^2 \Phi^2)}{n'}}$$

δ = 0.012857 (untransformed proportional cover)

Mean Proportional Cover (untransformed):

Location:
North: 0.00328 ± 0.00136
South: 0.00461 ± 0.00177

Difference: 0.00133

Treatment:
Channel: 0.00242 ± 0.00106
Control: 0.00603 ± 0.00212

Difference: 0.00361

Power (via SigmaStat):

Location: 0.05
Treatment: 0.204
Location x Treatment: 0.156

Comments: Location with respect to the channel (north or south), proximity to the channel (treatment vs. control), and their interaction were all non-significant. The calculated minimum detectable difference was 3.5 to 10 times larger than the observed (untransformed) differences between groups (north vs. south and, separately, channel vs. control).

Ridge Reef (Habitat 3): R1N-1, R1S-1, R1SC-1
Data not available for R1NC-2 (north control); updated data file used for R1N1-1

One-way ANOVA on untransformed data; comparison among sites:

Source	DF	Seq SS	Adj SS	Adj MS	F	P
Site	2	0.0029587	0.0029587	0.0014794	2.58	0.094
Error	27	0.0154837	0.0154837	0.0005735		
Total	29	0.0184424				

s^2 = Error MS = 0.000574
$\nu_1 = 2$
$\nu_2 = 27$ (rounded to 30 for chart interpolation)
$\Phi = 1.9$ (from Zar)
k = 3 (3 levels of site)

R1N-1: n=10
R1S-1: n=10
R1SC-1: n=10

n=10 for all sites

δ = minimum detectable difference among groups within factors, with Φ set to the conventional levels of α = 0.05 and power 1-β = 0.80.

$$\delta = \sqrt{\frac{(2ks^2\Phi^2)}{n}}$$

δ=0.035259 (untransformed)

Mean Proportional Cover (untransformed):

R1N-1: 0.00569 ± 0.00308
R1S-1: 0.00105 ± 0.00076
R1SC-1: 0.02410 ± 0.0127

Greatest difference among means (highest-lowest: untransformed) = 0.02305

Power (via SigmaStat) = 0.295

Comments: Because data were not available for R1NC-2, a one-way ANOVA was performed on untransformed data. The calculated minimum detectable difference was close to the largest difference among means observed, which explains the marginally non-significant F-test.

Colonized Pavement Offshore (Habitat 1B): R2S-1, R2SC-1

One-way ANOVA on Asin(sqrt(y))-transformed data:

Analysis of Variance for asin(sqrt(Prop)), using Adjusted SS for Tests

Source	DF	Seq SS	Adj SS	Adj MS	F	P
Control/Treatment	1	0.0008223	0.0008223	0.0008223	0.86	0.366
Error	18	0.0172317	0.0172317	0.0009573		
Total	19	0.0180541				

s^2 = Error MS = 0.000957
$\nu_1 = 1$
$\nu_2 = 18$ (rounded to 20 for chart interpolation)
$\Phi = 4.2$ (from Zar)
k = 2 (2 Treatment levels)

R2S-1: n=10
R2SC-1: n=10

n=10 for both sites

δ = minimum detectable difference among groups within factors, with Φ set to the conventional levels of α = 0.05 and power 1-β = 0.80.

$$\delta = \sqrt{\frac{(2ks^2\Phi^2)}{n}}$$

δ=0.082174 (Asin-transformed)

Mean Proportional Cover (untransformed; Asin(sqrt(y))-transformed):

Treatment:
Channel: 0.00192 ± 0.00096; 0.0291 ± 0.0109
Control: 0.00091 ± 0.00051; 0.0163 ± 0.00847

Difference (untransformed; transformed): 0.00101; 0.0128

Power (via SigmaStat) = 0.048

Comments: This one-way ANOVA on arcsine-transformed data was not significant. The calculated minimum detectable difference was 7 times the observed difference between means, which accounts for the non-significant result.

Spur and Groove (Habitat 4): R2S-3, R2SC-3

Data not available for R2SC-3

Port of Miami Pilot Study
PROPORTIONAL MACROALGAL COVER

Colonized Pavement Inshore (Habitat 1A): HBN, HBNC, HBS, HBSC

Two-way ANOVA on untransformed data:

Analysis of Variance for Prop Cover, using Adjusted SS for Tests

Source	DF	Seq SS	Adj SS	Adj MS	F	P
North/South	1	0.17225	0.17225	0.17225	8.81	**0.005**
Control/Treatment	1	0.35545	0.35545	0.35545	18.18	**0.000**
North/South*Control/Treatment	1	0.08470	0.08470	0.08470	4.33	**0.045**
Error	36	0.70368	0.70368	0.01955		
Total	39	1.31609				

s^2 = Error MS = 0.01955
ν_1 = 1 for Location (North/South) and Treatment (Control/Channel)
ν_2 = 30 (rounded from 36 for chart interpolation)
Φ = 4.2 (from Zar)
k' = 2
n' for Factor A: bn = (2)(10) = 20
n' for Factor B: an = (2)(10) = 20

δ = minimum detectable difference among groups within factors, with Φ set to the conventional levels of $\alpha = 0.05$ and power $1-\beta = 0.80$.

$$\delta = \sqrt{\frac{(2k's^2\Phi^2)}{n'}}$$

δ=0.262626 (Proportional Cover)

Mean Proportional Cover (untransformed):

Location:
North: 0.5069 ± 0.0264
South: 0.3756 ± 0.0481

Difference (untransformed): 0.1313

Treatment:
Channel: 0.3470 ± 0.0416
Control: 0.5355 ± 0.0282

Difference (untransformed): 0.1885

Power (via SigmaStat):

Location: 0.789
Treatment: 0.989
Location x Treatment: 0.414

Comments: Location with respect to the channel (north or south), proximity to the channel (treatment vs. control), and their interaction were all significant. The calculated minimum detectable difference was similar to the observed (untransformed) differences between groups (north vs. south and, separately, channel vs. control), explaining the significant results.

Linear Reef Inshore (Habitat 2A): R1NC-1, R1N-2, R1S-2, R1SC-2

Two-way ANOVA on $y^{0.25}$-transformed data:

Analysis of Variance for Cover**(0.25), using Adjusted SS for Tests

Source	DF	Seq SS	Adj SS	Adj MS	F	P
North/South	1	0.06105	0.04693	0.04693	1.79	0.191
Control/Treatment	1	0.00396	0.00396	0.00396	0.15	0.700
North/South*Control/Treatment	1	0.02268	0.02268	0.02268	0.86	0.360
Error	30	0.78811	0.78811	0.02627		
Total	33	0.87582				

s^2 = Error MS = 0.02627
ν_1 = 1 for Location (North/South) and Treatment (Control/Channel)
ν_2 = 30 (30 for chart interpolation)
Φ = 4.2 (from Zar)
k' = 2

R1NC-1: n=5
R1N-2: n=10
R1S-2: n=10
R1SC-2: n=9

Average sample size among levels = N/4 = 34/4 = 8.5
n' for Factor A = bn = (8.5)(2) = 17
n' for Factor B = an = (8.5)(2) = 17

δ = minimum detectable difference among groups within factors, with Φ set to the conventional levels of $\alpha = 0.05$ and power $1-\beta = 0.80$.

$$\delta = \sqrt{\frac{(2k's^2\Phi^2)}{n'}}$$

δ=0.330206 ($y^{0.25}$-transformed)

Mean Proportional Cover (untransformed; $y^{0.25}$-transformed):

Location:
North: 0.6704 ± 0.0257; 0.9027 ± 0.0092
South: 0.5581 ± 0.0567; 0.8179 ± 0.0540

Difference (untransformed; transformed): 0.1123; 0.0848

Treatment:
Channel: 0.6304 ± .0501; 0.8513 ±0.0470
Control: 0.5913 ± .0327; 0.8732 ± 0.0131

Difference (untransformed; transformed): 0.0391; 0.0219

Power (via SigmaStat)

Location: 0.129
Treatment: 0.050
Location x Treatment: 0.050

Comments: Location with respect to the channel (north or south), proximity to the channel (treatment vs. control), and their interaction were all non-significant. The calculated minimum detectable difference was 4 to 15 times larger than the observed (fourth-root-transformed) differences between groups (north vs. south and, separately, channel vs. control), explaining the non-significant results.

Linear Reef Offshore (Habitat 2B): R2NC-1, R2N, R2S-2, R2SC-2

Two-way ANOVA on y^2-transformed data:
Variances Not Equal

Analysis of Variance for Cover**2, using Adjusted SS for Tests

Source	DF	Seq SS	Adj SS	Adj MS	F	P
North/South	1	0.87052	0.77258	0.77258	25.48	**0.000**
Control/Treatment	1	0.00668	0.00855	0.00855	0.28	0.599
North/South*Control/Treatment	1	0.07997	0.07997	0.07997	2.64	0.114
Error	31	0.93984	0.93984	0.03032		
Total	34	1.89701				

s^2 = Error MS = 0.03032
ν_1 = 1 for Location (North/South) and Treatment (Control/Channel)
ν_2 = 30 (rounded from 31 for chart interpolation)
Φ = 4.2 (from Zar)
k' = 2

R2NC-1: n=7
R2N: n=10
R2S-2: n=10
R2SC-2: n=8

Average sample size among levels = N/4 = 35/4 = 8.75
n' for Factor A = bn = (2)(8.75) = 17.5
n' for Factor B = an = (2)(8.75) = 17.5

δ = minimum detectable difference among groups within factors, with Φ set to the conventional levels of $\alpha = 0.05$ and power $1-\beta = 0.80$.

$$\delta = \sqrt{\frac{(2k's^2\Phi^2)}{n'}}$$

δ=0.349643 (y^2-transformed)

Mean Proportional Cover (untransformed; y^2-tranformed):

Location:
North: 0.5300 ± 0.0616; 0.3415 ± 0.0534
South: 0.8070 ± 0.0185; 0.6571 ± 0.0287

Difference (untransformed; transformed): 0.2770; 0.3156

Treatment:
Channel: 0.6381 ± 0.0650; 0.4873 ± 0.0647
Control: 0.7182 ± 0.0266; 0.5257 ± 0.0375

Difference (untransformed; transformed): 0.0801; 0.0384

Power (via SigmaStat):

Location: 0.999
Treatment: 0.0500
Location x Treatment: 0.222

Comments: Transformation did not correct the problem of heterogeneity of variances. A y^2-transformation minimized the heterogeneity of variances and the analysis was performed on the square-transformed data. Location with respect to the channel (north vs. south) was highly significant at $P<0.0005$, whereas treatment (channel vs. control) and the interaction were non-significant. The calculated minimum detectable difference was slightly larger than the observed north-south difference, in agreement with the significant result for that factor. In contrast, the calculated minimum detectable difference was nearly 10 times the observed difference between treatments, explaining the non-significant result for that factor.

Ridge Reef (Habitat 3): R1N-1, R1S-1, R1SC-1

Data not available for R1NC-2 (north control); updated data file used for R1N1-1

One-way ANOVA on y^2-transformed data; comparison among sites:

Analysis of Variance for Cover**2, using Adjusted SS for Tests

Source	DF	Seq SS	Adj SS	Adj MS	F	P
Site	2	0.00332	0.00332	0.00166	0.04	0.960
Error	27	1.08785	1.08785	0.04029		
Total	29	1.09117				

s^2 = Error MS = 0.04029
$\nu_1 = 2$
$\nu_2 = 27$ (rounded to 30 for chart interpolation)
$\Phi = 1.9$ (from Zar)
k = 3 (3 levels of site)

R1N-1: n=10
R1S-1: n=10
R1SC-1: n=10

n=10 for all sites

δ = minimum detectable difference among groups within factors, with Φ set to the conventional levels of $\alpha = 0.05$ and power $1-\beta = 0.80$.

$$\delta = \sqrt{\frac{(2ks^2\Phi^2)}{n}}$$

δ=0.295411 (y^2-transformed)

Mean Proportional Cover (untransformed; y^2-transformed):

R1N-1: 0.7560 ± 0.0238; 0.5767 ± 0.0338
R1S-1: 0.7141 ± 0.0727; 0.5575 ± 0.0760
R1SC-1: 0.7158 ± 0.0665; 0.5522 ± 0.0719

Greatest difference among means (highest-lowest: untransformed; transformed) = 0.0419; 0.0245

Power (via SigmaStat) = 0.048

Comments: Because data were not available for R1NC-2, a one-way ANOVA was performed on y^2-transformed data. The calculated minimum detectable difference was more than 10 times the largest difference among means observed, which explains the non-significant F-test.

Colonized Pavement Offshore (Habitat 1B): R2S-1, R2SC-1

One-way ANOVA on untransformed data:

Analysis of Variance for Prop Cover, using Adjusted SS for Tests

Source	DF	Seq SS	Adj SS	Adj MS	F	P
Control/Treatment	1	0.012143	0.012143	0.012143	1.65	0.215
Error	18	0.132121	0.132121	0.007340		
Total	19	0.144263				

s^2 = Error MS = 0.007340
$\nu_1 = 1$
$\nu_2 = 20$ (rounded from 18 for chart interpolation)
$\Phi =$ 4.2 (from Zar)
k = 2 (2 Treatment levels)

R2S-1: n=10
R2SC-1: n=10

n=10 for both sites

δ = minimum detectable difference among groups within factors, with Φ set to the conventional levels of α = 0.05 and power 1-β = 0.80.

$$\delta = \sqrt{\frac{(2ks^2\Phi^2)}{n}}$$

δ = 0.227576 (proportion cover)

Mean Proportion Cover (untransformed):

Treatment:
Channel: 0.7690 ± 0.0210
Control: 0.7197 ± 0.0321

Difference (untransformed): 0.0694

Power (via SigmaStat) = 0.113

Comments: This one-way ANOVA on untransformed data was not significant. The calculated minimum detectable difference was 3.3 times the observed difference between means, which accounts for the non-significant result.

Spur and Groove: R2S-3, R2SC-3 (Locality 3)

Data not available for R2SC-3