

Data Dictionary for CRCP project #819

'Determining patterns of staghorn coral recovery to establish targets for Caribbean reef restoration'

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FILE: Site coordinates and inventory.xls

Region: BZE = Glovers Reef, Belize
 DRT = Pulaski Shoal, Dry Tortugas
 USVI = St. Thomas, US Virgin Islands
 FL= Miami Dade County Florida
 PR = Ponce, Puerto Rico

FILE: Acerv ColonySurvey.xls

Region: BZE = Glovers Reef, Belize
 DRT = Pulaski Shoal, Dry Tortugas
 USVI = St. Thomas, US Virgin Islands
 FL= Miami Dade County Florida
 PR = Ponce, Puerto Rico
Date: Date transect was sampled; M/DD/YR
Observer: LR = Lee Richter
 BH = Brittany Huntington
 CC = Caitlin Cameron
 MM = Margaret Miller
 RP = Rachel Pausch
 ML = Mark Ladd
 KO = Katherine Ondrasik
Type C=isolated colony
 L= Loose Fragment
 T= Thicket

%dead Estimated proportion of colony branch extent that is dead

% pale Estimated proportion of colony branch extent that is pale in color

Snail % Proportion of colony branch extent that has been preyed by *Coralliophila abbreviata*

Snail # # of *C.abbreviata* present on the colony

Worm tips (old) # # of branch tips with old (brown encrusted or eroded) exposed skeleton indicative of predation by *Hermodice carrunculata*

Worm tips (new) # # of branch tips with new (white) exposed skeleton indicative of predation by *H. carrunculata*

Damsels (%) Proportion of colony branch extent that is dead with attribution to *Stegastes planifrons*

Disease (%) Proportion of colony branch extent that is dead with attribution to disease

Broken Colony? Is the colony structure shattered or flattened (yes/no)

FILE: Fish_surveys.xls

Observer: LR = Lee Richter
 BH = Brittany Huntington

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Species: by common name

X_N number of individuals observed in each size bin

X_FL_cm Size bins expressed as mean fork length in centimeters for each size interval recorded; namely 0-5 (mean 2.5), 6-10 (mean 7.5) , 11-20 (mean 15), 21-30 (mean 25), 31-40 (mean 35), and >40 cm ('mean' set at 45).

FILE: Wild_ACERV_tissueCondition

Type: T = Thicket
 C = distinct Colony

% Dead: Estimated proportion of colony branch extent that is dead

Zoox Density # of endosymbiotic zooxanthellae cells per cm² of estimated nubbin tissue surface area. Cells were counted in the lab after tissue was air-brushed off the skeleton.

%C, %N, %P Percent composition by dry mass of Carbon, Nitrogen, and Phosphorus analyzed in the coral tissue after removal from the skeleton.

FILE: Macroalgal Bioassay

Treatment: Dense vs. Sparse stands of *A.cervicornis*. Ten samples were also analyzed for nutrients prior to deployment in the *A.cervicornis* stands to provide the initial condition of the assay material (Initial)

Initial wet weight (g) Initial weight of algal aliquot for that replicate after spinning in a salad spinner

End wet weight (g) Weight of that aliquot after 4 days deployment in dense or sparse *A.cervicornis* stands

%C, %N, %P Percent composition by dry mass of Carbon, Nitrogen, and Phosphorus analyzed in the coral tissue after removal from the skeleton.

FILE: Branch Growth

ID Unique designation for each branch tip: YEAR_Site_Group#Tip#

L1 Date Date of initial branch measurement when cable tie benchmark was placed on the branch

L1_cm Initial length of the branch tip (cm from cable tie benchmark to tip of branch)

L2 Date Date of final branch measurement

L2_cm Final length of branch tip (cm from cable tie benchmark to tip of branch)

Exclude/Notes Some tagged branch tips were excluded from our growth analysis due to anomalies of the branch such as it was broken, preyed upon, or resorbed its growing apical tip ('inactive') during the growth interval and so did not represent the active growth rate of the colony. The excluded tips and the reason are given in these columns