DATA DICTIONARY:

InPort dataset title: Elkhorn coral demographic monitoring

InPort dataset catalog number: 22436

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FILE NAME: PlotLocations_SurveyCoverage

Region:	Florida Keys; Curaçao; or Navassa
Reef:	The reef name where the plot is located
Plot:	Designation for individual plots at each reef site (three to five per site)
Depth:	Average depth of plot in meters
Latitude:	Coordinate of center stake for each 7m radius circular plot
Longitude:	Coordinate of center stake for each 7m radius circular plot
TotalSurvey:	The number of survey occasions conducted at that plot
Q1-Q46:	Each column represents a sequential survey event (along with the time it occurred; see Survey_Dates file for exact date) and indicates the type of data collected in each

- A = *tagged colonies measured*
- B = *all colonies in the plot mapped and measured*
- C = *all colonies from prior mapping survey re-identified, new colonies mapped; All measured*
- D = *tagged colony condition(s) recorded*
- E = *snail and damselfish counts*

FILE NAME: Survey_Dates

Region:	Florida Keys; Curaçao; or Navassa
Reef:	The reef name where the plot is located
Plot:	Permanent plot designation
Q:	Quarterly survey number starting with Q01 in spring 2004
Date:	Date that survey of that plot occurred

FILE NAME: ColonyID

Region:	Florida Keys; Curaçao; or Navassa
Reef:	The reef name where the plot is located
Plot:	Permanent plot designation
TagID:	Designation for each monitored colony includes the plot name, t### indicates a tagged colony (random subset of colonies that are surveyed for condition, snails and fish), x# indicates colonies that are mapped and measured once per year.
Bearing:	Compass direction (degrees) from plot center stake to colony location
Distance:	Distance along bearing from plot center stake to colony location (m)
GenetID:	Designation for unique multilocus genotype based on 5 microsatellite loci
166:	Two alleles possessed by the colony at microsatellite locus 166 (Baums et al. 2005)
181:	Two alleles possessed by the colony at microsatellite locus 181 (Baums et al. 2005)
182:	Two alleles possessed by the colony at microsatellite locus 182 (Baums et al. 2005)

192:          Two alleles possessed by the colony at microsatellite locus 192 (Baums et al. 2005)
207:          Two alleles possessed by the colony at microsatellite locus 207 (Baums et al. 2005)

FILE NAME: TagColony_Data

Region: Florida Keys; Curaçao; or Navassa
Reef: The reef name where the plot is located
Plot: Permanent plot designation
TagID: Colony designation (see ColonyID File)
Q: Quarterly survey number starting with Q01 in spring 2004
L: Length (maximum diameter of the colony in cm)
W: Width (maximum dimension measured perpendicular from L, in cm)
H: Height from base to top measured at the tallest point (cm)
% live: Visual estimation of the percent of the measured colony surface covered with live tissue
Colony Type: Measured colony structure categorized as follows

> *EC = encrusting colony: encrusting tissue and no branching structure*
> *JC = Juvenile colony: at least one small live branch (including protobranches), no dead branches and maximum dimension < 40cm*
> *BC = branching colony: least two live branches and minimum dimension > 40cm*
> *RC = remnant colony: branching structure, but has less than two branches covered with live tissue*
> *AF= attached (fused to the substrate) fragment*
> *SF = stable fragment; not obviously fused to substrate but either wedged or large enough that it is not likely to move*
> *FU= fused with another live colony and no longer surveyed as a separate colony*
> *D = at least part of the colony's skeleton found with no live tissue remaining*
> *G = no skeleton or live tissue remaining where the colony was originally located*

Isolates: Number of isolated tissue patches present on the colony (separated by dead skeleton); (only available in Florida; for Q34 and later)
RM rank: extent of recent mortality relative to the dead area of the colony

> *0 = absent; no recent mortality*
> *1 = present, ≤5% of the colony's dead area is recently dead*
> *2 = 10-20% of the colony's dead area is recently dead*
> *3 = 25-45% of the colony's dead area is recently dead*
> *4 = 50-75% of the colony's dead area is recently dead*
> *5 = ≥80% of the colony's dead area is recently dead*

RM1 to RM3:   Attribution of observed recent mortality; if multiple attributions for recent morality are observed, up to three RM Types are assigned in rank order of magnitude

> *WBD = white band disease*
> *WPx = white pox disease*
> *RTL = rapid tissue loss*
> *FS = snail feeding scar*
> *PFB = parrotfish bites*
> *CB = ciliate band*

CL= Cliona sp. lesion

FP = fish poop

BL= bleaching-associated mortality

Unkn = unknown cause

Oth = other

Snail Count: # of corallivorous snails (*Coralliophila abbreviata*) present on the colony; not counted (blank) on long dead colonies.

Dmsl Rank: Rank of degree of live tissue affected by threespot damselfish (chimneys, turfs, or nests)

0 = none

1 = less than 1/3 of the top sides of the branches are affected

2 = between 1/3 and 2/3 affected

3 = greater than 2/3 affected

TS df: # adult threespot damselfish, *Stegastes planifrons*, occupying a live colony; not counted (blank) on dead colonies

YT df: # yellowtail damselfish, *Microspathodon chrysurus*, observed associated with a live colony; not counted (blank) on dead colonies

TS df juv: # juvenile *S. planifrons* occupying a live colony; not counted (blank) on dead colonies

YT df Juv: # juvenile *M. chrysurus* associated with a live colony; not counted (blank) on dead colonies

FILE NAME: MapColony_Data

Region: Florida Keys; Curaçao; or Navassa

Reef: The reef name where the plot is located

Plot: Permanent plot designation

TagID: Colony designation (see ColonyID File)

Q: Quarterly survey number starting with Q01 in spring 2004

L: Length (maximum diameter of the colony in cm)

W: Width (maximum dimension measured perpendicular from L, in cm)

H: Height from base to top measured at the tallest point (cm)

% live: Visual estimation of the percent of the measured colony surface covered with live tissue

Colony Type: Measured colony structure categorized as follows

EC = encrusting colony: encrusting tissue and no branching structure

JC = Juvenile colony: at least one small live branch (including protobranches), no dead branches and maximum dimension < 40cm

BC = branching colony: least two live branches and minimum dimension > 40cm

RC = remnant colony: branching structure, but has less than two branches covered with live tissue

AF= attached (fused to the substrate) fragment

SF = stable fragment; not obviously fused to substrate but either wedged or large enough that it is not likely to move

FU = Fused with another live colony and no longer surveyed as a separate colony

D = At least part of the colony's skeleton found with no live tissue remaining

G = No skeleton or live tissue remaining where the colony was originally located

Isolates: Number of physiologically isolated tissue patches present on the colony skeleton; (only available in Florida, for Q34 and later)

FILE NAME: DeNovoMapColony_Data

*In cases where a severe disturbance precluded re-identifying previously mapped colonies (i.e. data type B but not C for a particular plot in file **PlotLocations_SurveyCoverage)** all attached colonies in the plot were measured and are given in this table.*

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W: Width (maximum dimension measured perpendicular from L, in cm)
H: Height from base to top measured at the tallest point (cm)
% live: Visual estimation of the percent of the measured colony surface covered with live tissue
Colony Type: Measured colony structure categorized as follows

EC =   encrusting colony: encrusting tissue and no branching structure

JC =   juvenile colony: at least one small live branch (including protobranches), no dead branches and maximum dimension < 40cm

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