Five datasheets are contained within this dataset, pertaining to:

1. Algae cover (“ALGAE\_TIDY”)
2. Coral cover (“CORALCOVER\_TIDY”)
3. Coral species and sizes (“CORALRAW\_TIDY”)
4. Fish community data (“FISH\_TIDY”)
5. Total number of coral recruits (“CORALRECRUITS\_TIDY”)

All datasheets contain the following headers to allow temporal and spatial matching between datasheets:

Month: Month of survey  
Depth: Depth of survey (meters)  
Transect: Transect number of survey  
Observer: Either name or initial of surveyor  
Site\_Name: Dive site where survey took place

Additionally, different datasheets contain the following unique data:

ALGAE\_TIDY:

prop\_CCA: The proportion of CCA (crustose coralline algae)  
prop\_macro: The proportion of macroalgae  
prop\_turf: The proportion of turf algae

CORAL\_TIDY:

Perc\_cover: Overall percentage cover of coral on a transect

CORALRAW\_TIDY

Species\_Code: the 4 letter acronym used in our method for recording coral species  
Coral\_genus: The genus name of the coral  
Coral\_spp: The species epithet of recorded coral   
length: Maximum length of coral  
width: Maximum width of coral  
height: Maximum height of the coral  
coral\_SA: the surface area of the coral calculated as 2\*pi\*(length/2)\*height

FISH\_TIDY

Common\_name: The common name of fish species  
fish\_spp: the scientific name of fish species  
common\_family: the common family name fish species falls under  
a: the “a” biomass value used for allometric scaling   
b: the “b” biomass value used for allometric scaling  
biomass: the biomass of fish recorded at each datapoint  
density: The density of fish per transect at each datapoint  
Size\_class: The estimated size class of fish(es) recorded at each datapoint

CORALRECRUITS\_TIDY

total\_recruits: the total number of recruits recorded per survey