

# Mission: Iconic Reef

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## Contents

0.1	The Data	1
0.2	Fish Species	2
0.3	Density	2
0.4	Occurrence	3
0.5	Length Frequency	3

### 0.1 The Data

The RVC, stationary-point-count method is modified from Bohnsack and Bannerot (1986) and is conducted on shallow (<100ft), hardbottom coral reef habitats. Field surveys use a one-stage design to sample 50 m x 50 m grid cells selected using a stratified-random sampling allocation. This data set represents sample locations in the Florida Keys. Only those strata types found within the MIR areas were considered (table 1).

Table 1: Site Description

Study Area	Strata Name	Strata Description	Sample Number
Outside	FK01	inshore reefs, all depths	15
Outside	FK02	mid-channel patch reefs, all depths	170
Outside	FK03	offshore patch, all depths	96
Outside	FK04	forereef, low rugosity, <12m	181
Outside	FK05	forereef, high rugosity, <12m	167
Inside	FK01	inshore reefs, all depths	12
Inside	FK02	mid-channel patch reefs, all depths	25
Inside	FK03	offshore patch, all depths	15
Inside	FK04	forereef, low rugosity, <12m	20
Inside	FK05	forereef, high rugosity, <12m	125

## 0.2 Fish Species

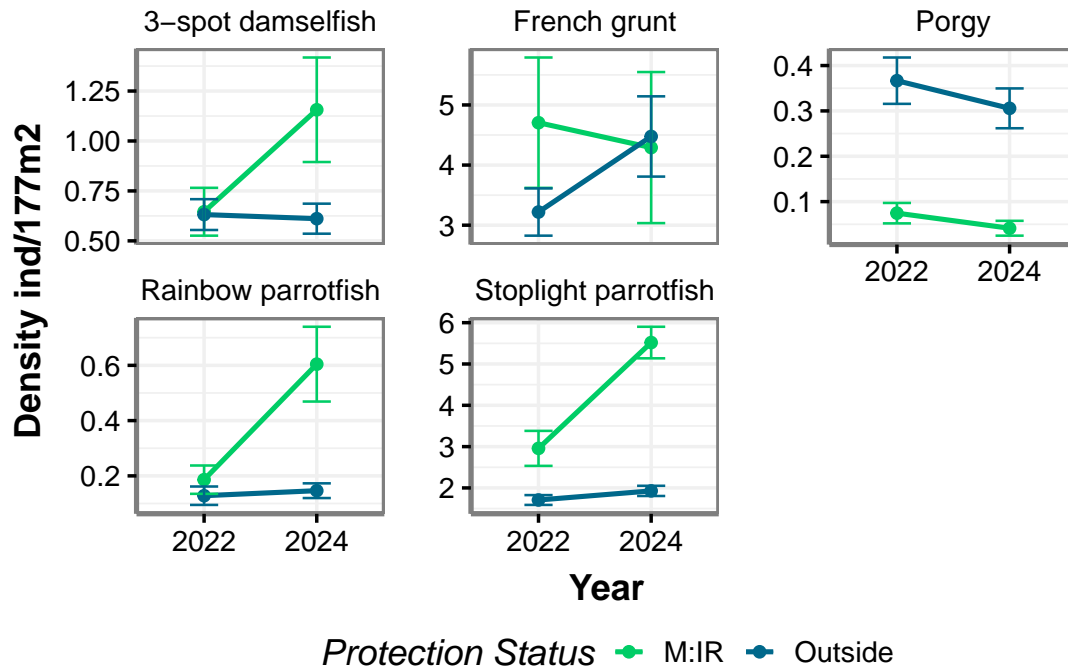
A selection of fish species were chosen to represent different trophic levels and functional roles.

Table 2: Species List

Species CD	Common Name	Scientific Name
HAE FLAV	French grunt	<i>Haemulon flavolineatum</i>
SPA VIRI	Stoplight parrotfish	<i>Sparisoma viride</i>
SCA GUAC	Rainbow parrotfish	<i>Scarus guacamaia</i>
STE PLAN	3-spot damselfish	<i>Stegastes planifrons</i>
CAL CALA	Porgy	<i>Calamus calamus</i>
CAL NODO	Porgy	<i>Calamus nodosus</i>

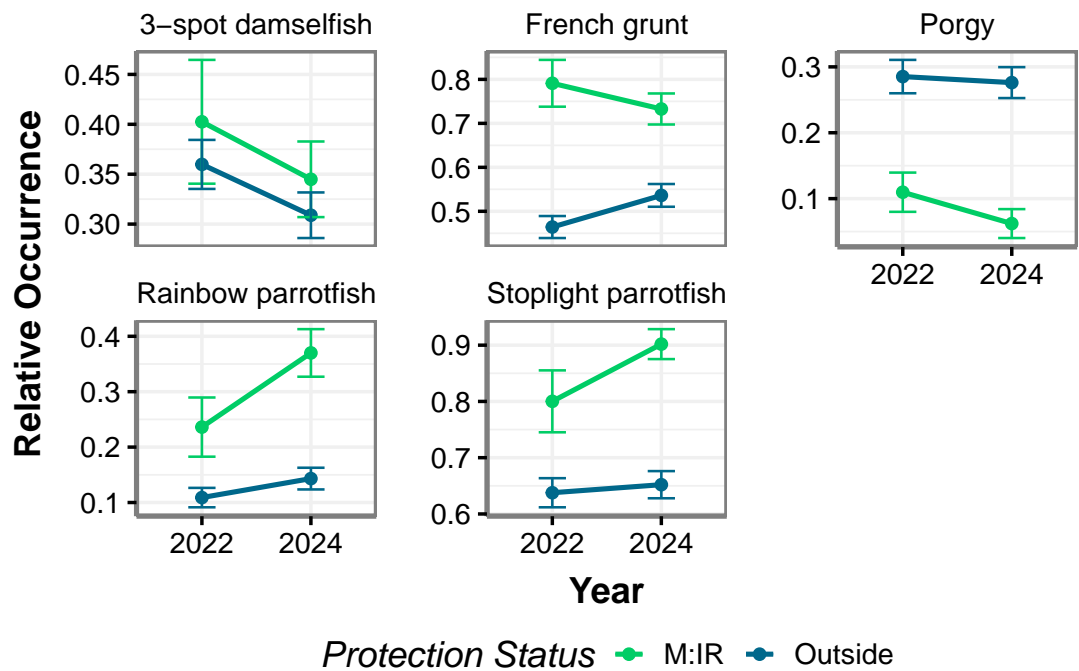
## 0.3 Density

Density is represented as the number of individuals per  $177 \text{ m}^2$ .



0.4 Occurrence

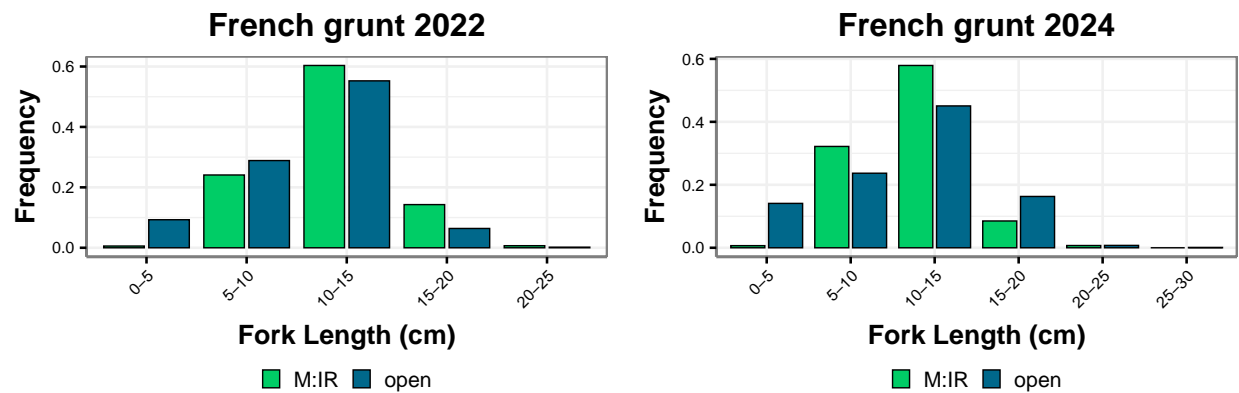
Survey occurrence within MIR sites and outside.



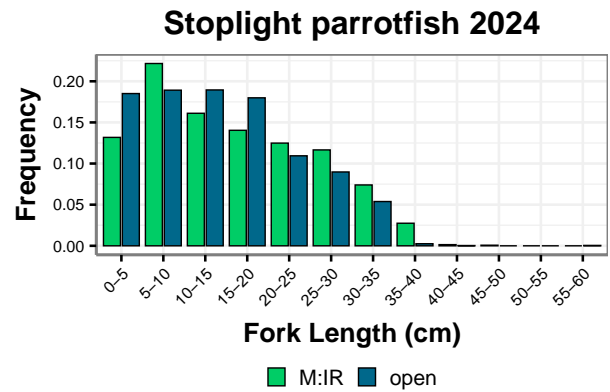
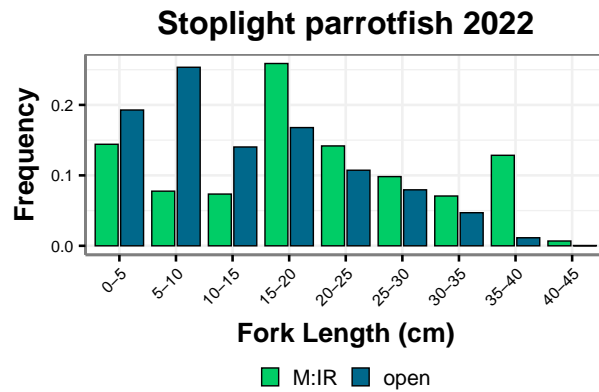
0.5 Length Frequency

Relative length frequency of species within MIR sites and outside.

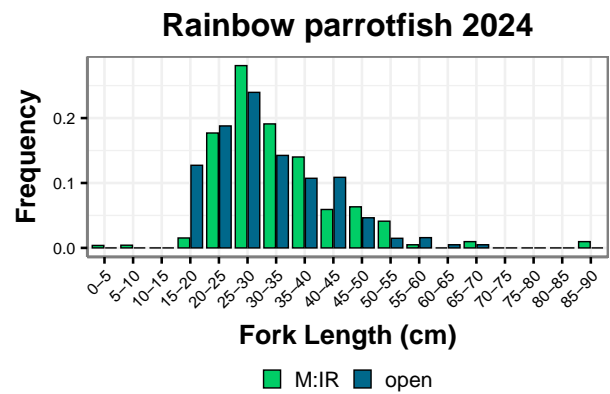
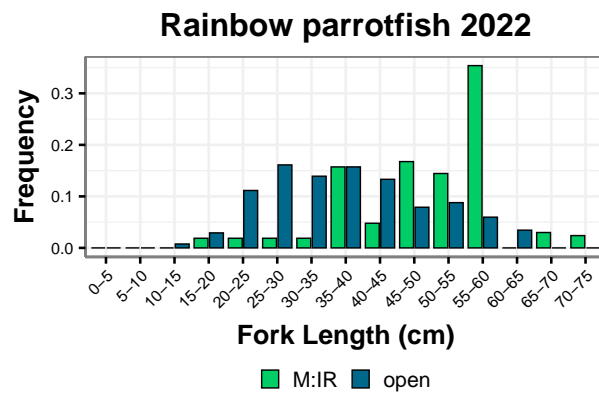
0.5.1 French Grunt



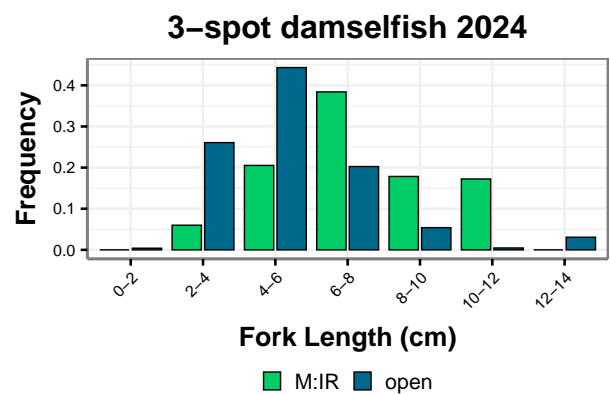
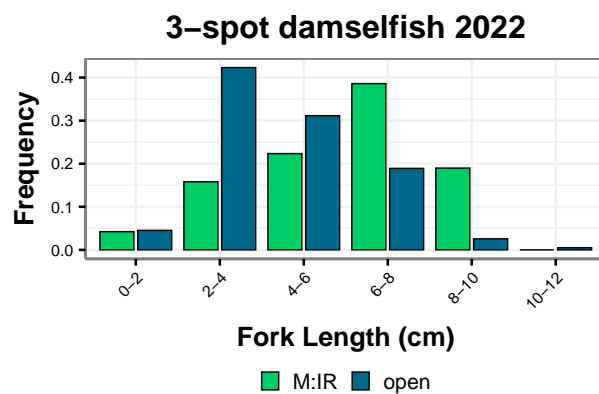
### 0.5.2 Stoplight Parrotfish



### 0.5.3 Rainbow Parrotfish



### 0.5.4 3-Spot Damselfish



### 0.5.5 Porgy

