Fish Size Frequency

Access table design structure for Roving Diver Fish Count

Field Name	Data Type
Year	Number
EventCode	Text
IslandCode	Text
SiteCode	Text
Date	Date/Time
Observer	Number
Common Name	Text
Species Name	Text
Count	Number
TotalLength	Number
MinLength	Number
MaxLength	Number

Protocol History

Though there is no doubt that fish size frequencies should have been considered essential since the inception of this monitoring program there were not the resources and expertise available to collect this information until 2007 when this protocol was implemented. The need to establish and implement this protocol was exasperated by the addition of new monitoring sites to monitor inside and adjacent to four of the MPAs. Fish size is essential for these types of evaluations. It was necessary to create a protocol that was an efficient use of time and could assess size structure of nearly all fish at each of the permanent monitoring sites. We decided on this protocol in that it could be conducted with a minimum of one trained observer that could be paired up with a RDFC diver that has a similar enough protocol to allow the divers to be dive partners. In addition, this methodology allows for enough effort to cover all or most of the transect area in addition to typically acquire a high enough sample size for many of the species.

Sample Size and Database Anomalies

This protocol was implemented in 2007 to assess fish population size structure at the kelp forest monitoring sites. In 2017, *Girella nigricans,* opaleye, were added to the datasheet. Prior to 2017, size measurements were rarely collected for this species.

Sites Sampled Information

Table 30. Fish size frequency sampling history.

Dates Available	Island Name	Site Code
2007 – Present	San Miguel	WL, HR, MM
	Santa Rosa	JLNO, JLSO, RR, CP, TC, CSAW, SP
	Santa Cruz	GI, FH, PB, SA, YB, DPM, PP, CVP, LS, PRF
	Anacapa	AR, CC, LC, KH, EFC, BSBR, LH
	Santa Barbara	SESL, AP, CAT, WA, GC, SER