

Artificial Recruitment Modules

Access Table Design Structure for SizeFreqArms

Field Name	Data Type
ProgramCode	Text
Year	Number
EventNumber	Text
IslandCode	Text
SiteCode	Text
ArmNumber	Number
Species	Number
Size	Number
Count	Number

Sample Size and Database Anomalies

This protocol was implemented in 1992. Not all of the sites have artificial recruitment modules (ARMs), and the number of ARMs at each site varies. In addition, the number of ARMs that are sampled at a given site for each year varies. If comparisons of abundance are to be made between years or sites, one should not use total numbers, but use the number of organisms per ARM.

Due to problems with numbering the ARMs, any particular ARM may have had more than one number assigned to it over the years. In some cases it is possible to track a specific ARM although the numbers have changed. All of the information available as to what ARM was what number for a particular year is contained in the Access table, SetupArms. A summary of this information is included in Appendix K.

Size and Count Fields

The Size field is the size of the animal measured and the Count is the number of that species that were measured at that size. For example, if for *Strongylocentrotus purpuratus* the size field reads 22 mm, and the count field reads 11, this means that for this site and sampling event there were 11 *S. purpuratus* that were measured at 22 mm.

Organisms Sampled Information

Tegula regina, queen tegula, was added to the sampling protocol in 2006. See the protocol section for the list of species sampled.

Sites Sampled Information

Table 34. ARM site sampling history.

Dates Available	Island Name	Site Code
1992 – Present	Santa Rosa	JLNO
	Santa Cruz	GI, FH, YB
	Anacapa	AR, CC, LC
1993 – Present	Santa Cruz	SA, JL SO
1994 – Present	Santa Cruz	PB
2002 – Present	San Miguel	MM