

# Channel Islands National Park's Kelp Forest Monitoring Program

*Protocol reference guide for*  
**1 M QUADRATS**





# *Abstract*

1-meter quadrats are a core protocol for collecting density data of invertebrates, algae, and some benthic fish. This protocol typically takes a buddy team one full dive to complete. There are 12 quadrats on each side of the transect. Each quadrat take up a 1 square meter footprint for a total of 24 meters surveyed.

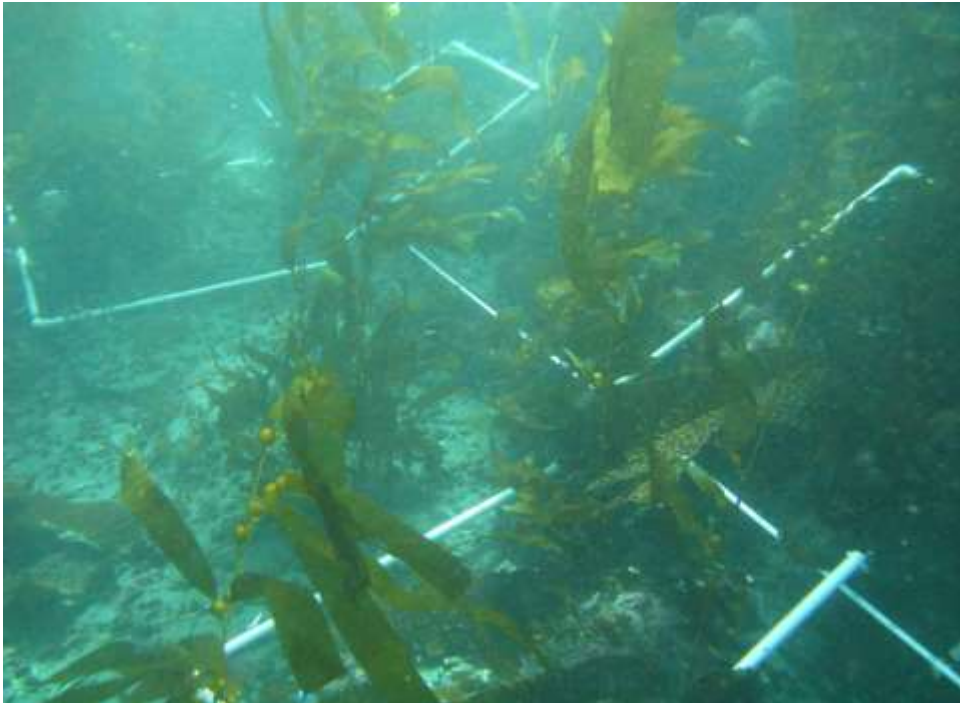
Each diver carries two, 3-sided quadrats



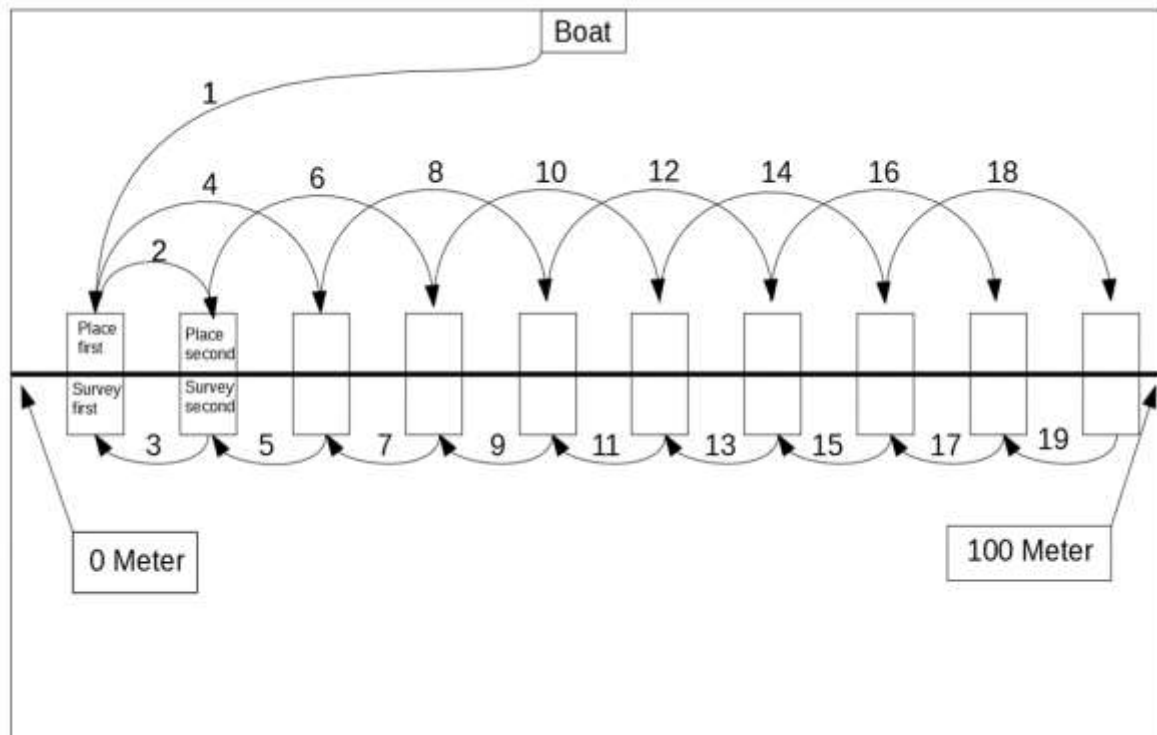
**Place the first quadrat at the appropriate meter numbers. If the meter number is 7, place one leg at 7 with the second leg at meter 8**



**Place the second quadrat, then swim back to the first quadrat to begin the survey. This allows time for gobies to come back out. When moving the first quadrat, swim around the second by a few meters to place the next set. Leapfrog like this all the way down the transect.**



Use this pattern to make your way down the transect.





**Begin each quadrat searching for gobies. Check your buddy's quadrats periodically and when time allows.**

