Researcher name: Dianna K Padilla

General site location: False Bay

General site ownership and permissions: University of Washington Marine Reserve

Description of studies:

1.Long-term monitoring of vegetation (extent, diversity, density; eelgrass as well as macroalgae), and invertebrates (species identity, density) within the community, particularly densities, size frequencies and radula morphology for two species of *Lacuna, L. vincta, L. variegata.*

This study includes the eelgrass bed at the mouth of False Bay (from north to south) as well as the macroalgal community in the area of the reserve to the south of False Bay (Mar Vista, from the southern edge of False Bay to the southern most edge of the University property, which extends beyond the fisheries reserve.

I have been working at these sites since 1990, and have density as well as spatial extent of the eelgrass and macroalgae where *Lacuna* is found (below the *Fucus* zone to shallow subtidal). I have random quadrat samples (0.25 x 0.25 m, n = 10 - 30 / year in each habitat type). All macrophytes and macroinvertebrates, particularly molluscs (including microgastropods) have been quantified. For the two species of *Lacuna,* the density of egg masses, and size of snails has been recorded, and permanent samples kept to quantify radular morphology.

See attached photos for site boundaries.

Notes: Please no extensive collections or removal of vegetation. Please notify me if large collections of macrophytes or animals are needed. Please minimize trampling and digging within the eelgrass. Start date of concern: June 1990

End date of concern: N/A. This study is ongoing and long-term.

Contact info: Dr. Dianna K Padilla (dianna.padilla@stonybrook.edu). Department of Ecology and Evolution, Stony Brook University, Stony Brook, NY.

2. Long-term monitoring of invasive Pacific Oyster, *Crassostrea gigas*

This study includes rocky shore at the north and south side at the mouth of False Bay.

I have been working at these sites since 1995, and have density and size frequency information on *C. gigas, Fucus* cover, and density and diversity of macrophytes and invertebrates. This includes large permanent quadrats (1 m x 2 m, corners marked with stainless steel washers and screws, which are experimental) as well as areas where diversity transects have been used to quantify macroalgal and invertebrate density and diversity.

See attached photos for site boundaries.

Notes: Please do not remove *C. gigas*. If you do, please notify me with the number and size and location where animals were removed. Start date of concern: July 1995

End date of concern: N/A. This study is ongoing and long-term.

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