OCNMS exploratory plots

Ole Shelton

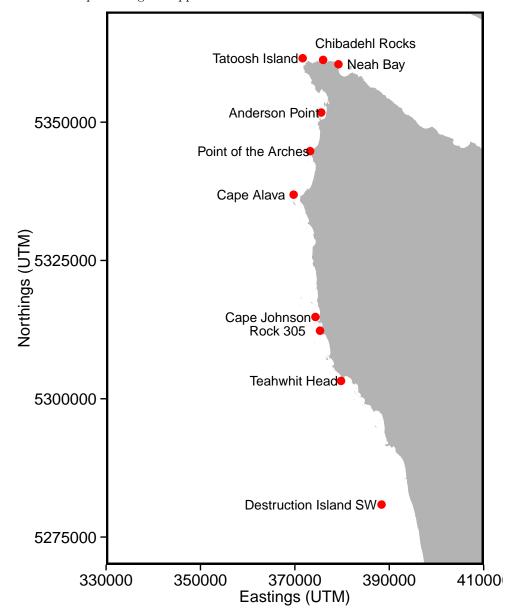
November 30, 2015

This is a basic file for processing and providing basic plots for the 2015 Olympic Coast National Marine Sanctuary Dive Surveys.

All surveys were conducted on these dates:

[1] "8/3/15" "8/4/15" "8/5/15" "8/6/15" "8/7/15"

Here is a map showing the approximate locations of the sites

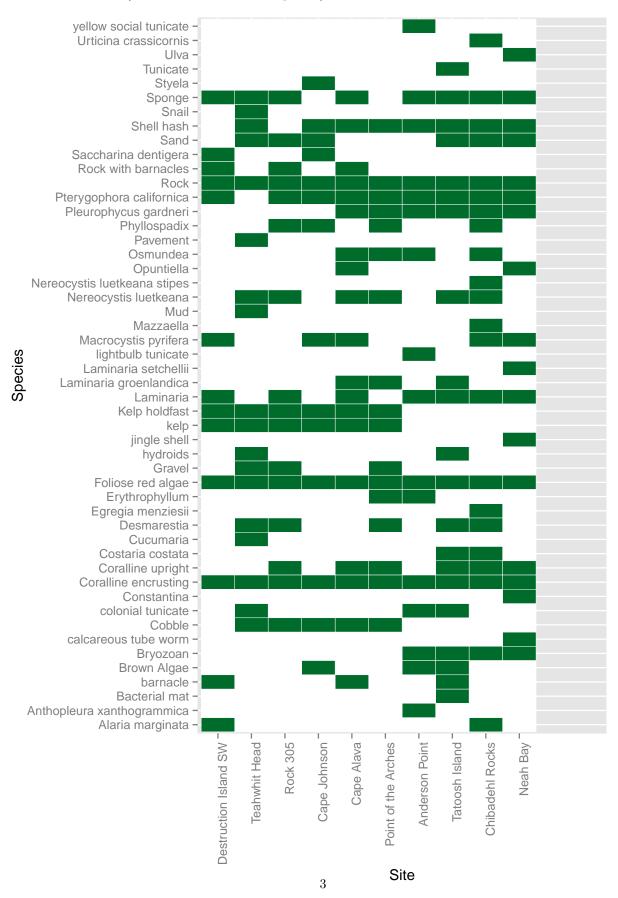


Methods

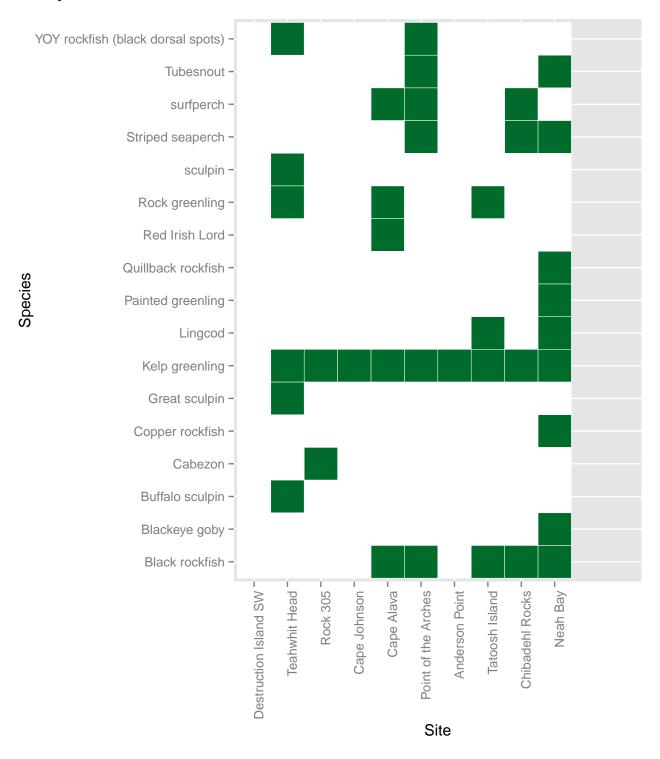
Four divers conducted dive surveys at each site (two teams of two). Each diver pair surveyed two 30m long transects. All dives in 2015 were conducted at about 6-8m depth.

I've focused on summarizing the species observed in at each site (for the quadrats, invertebrate transects, and fish transects)

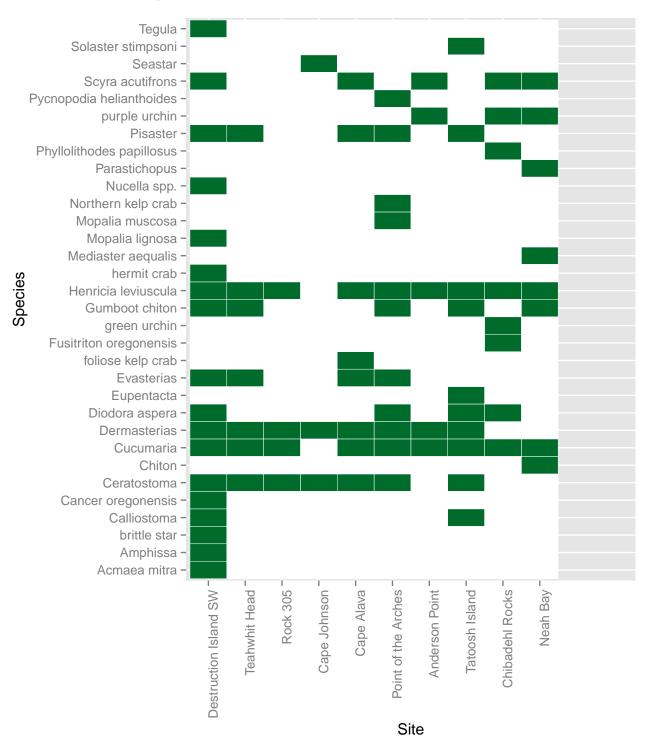
Sessile creatures (and some benthic categories)



Fish species on transects



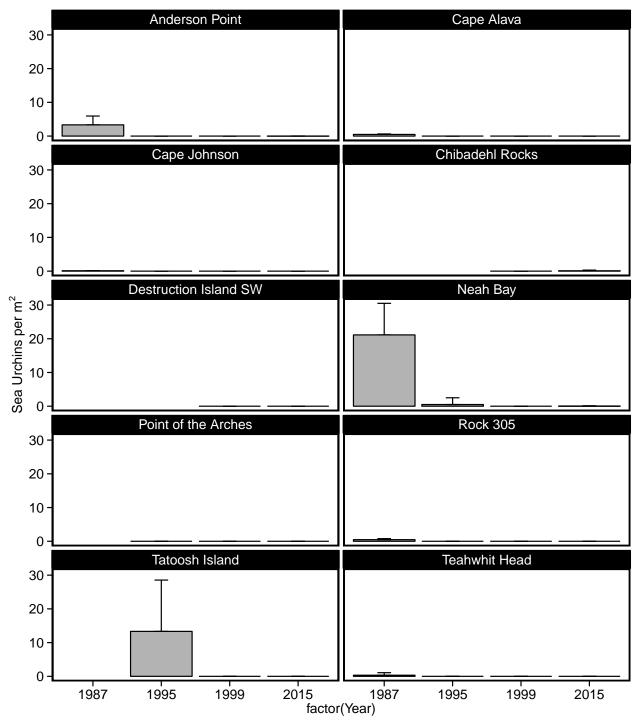
Mobile invertebrate species on transects



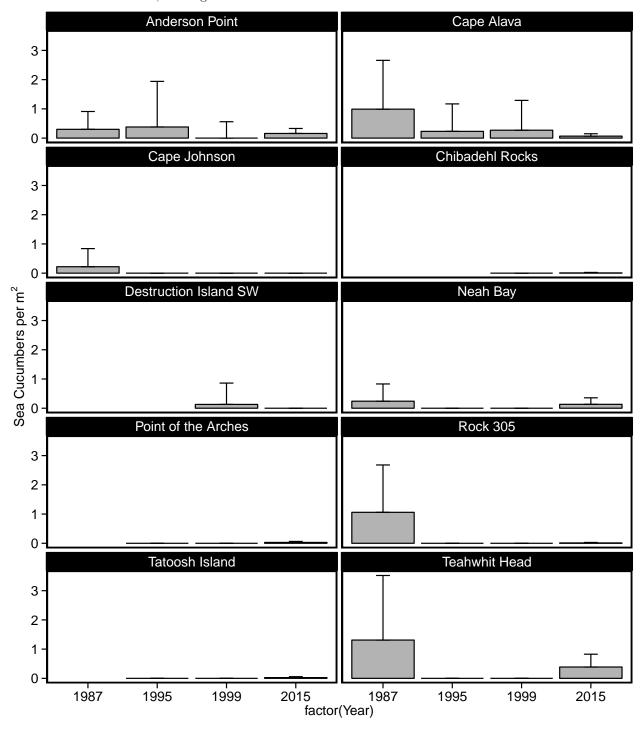
Comparing mobile invertebrates

Data from all sites in all years. I include only data from 6m and shallower from historical data.

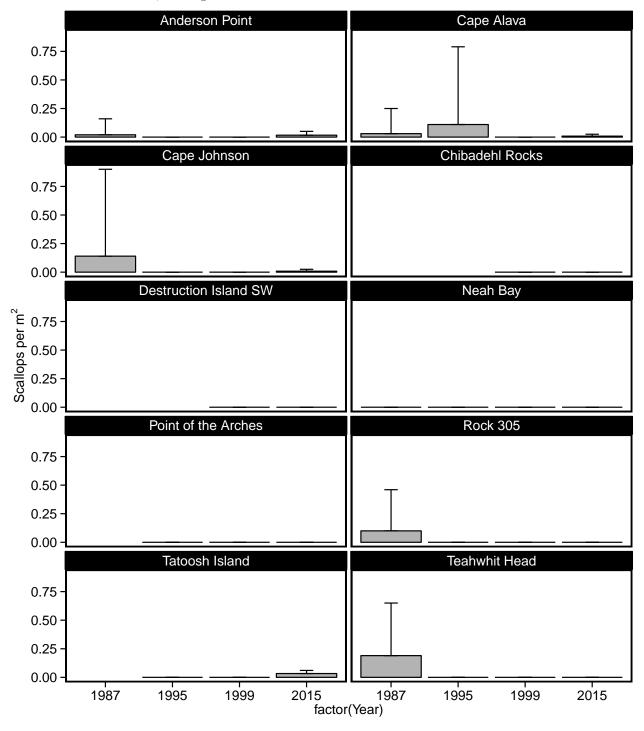
Urchins (Mean +/- SD).



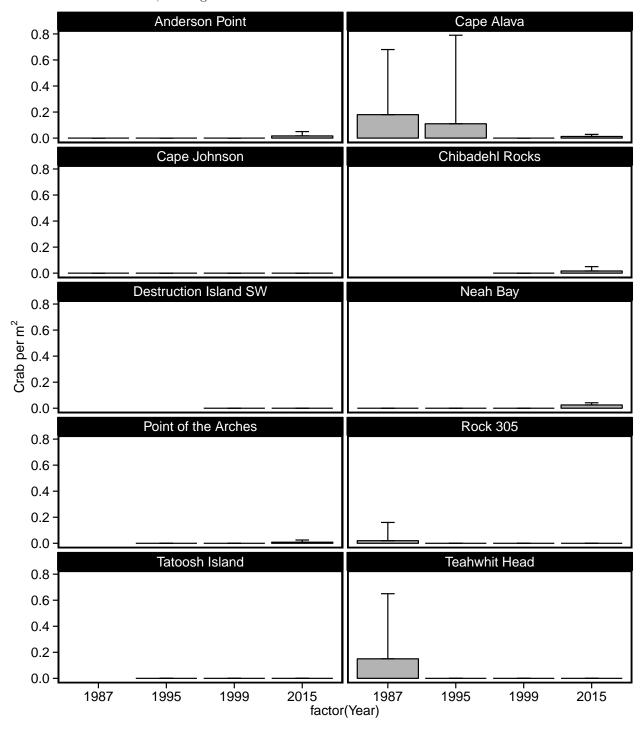
Sea Cucumbers (Mean +/- SD).



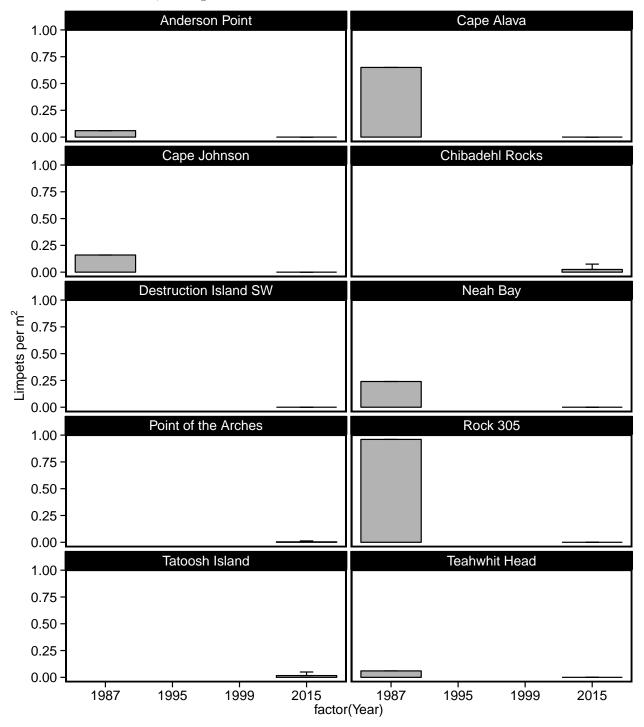
Scallops (Mean +/- SD).



Crabs (Mean +/- SD).



Limpets (Mean +/- SD).



Non-Limpet Gastropods (Mean +/- SD).

