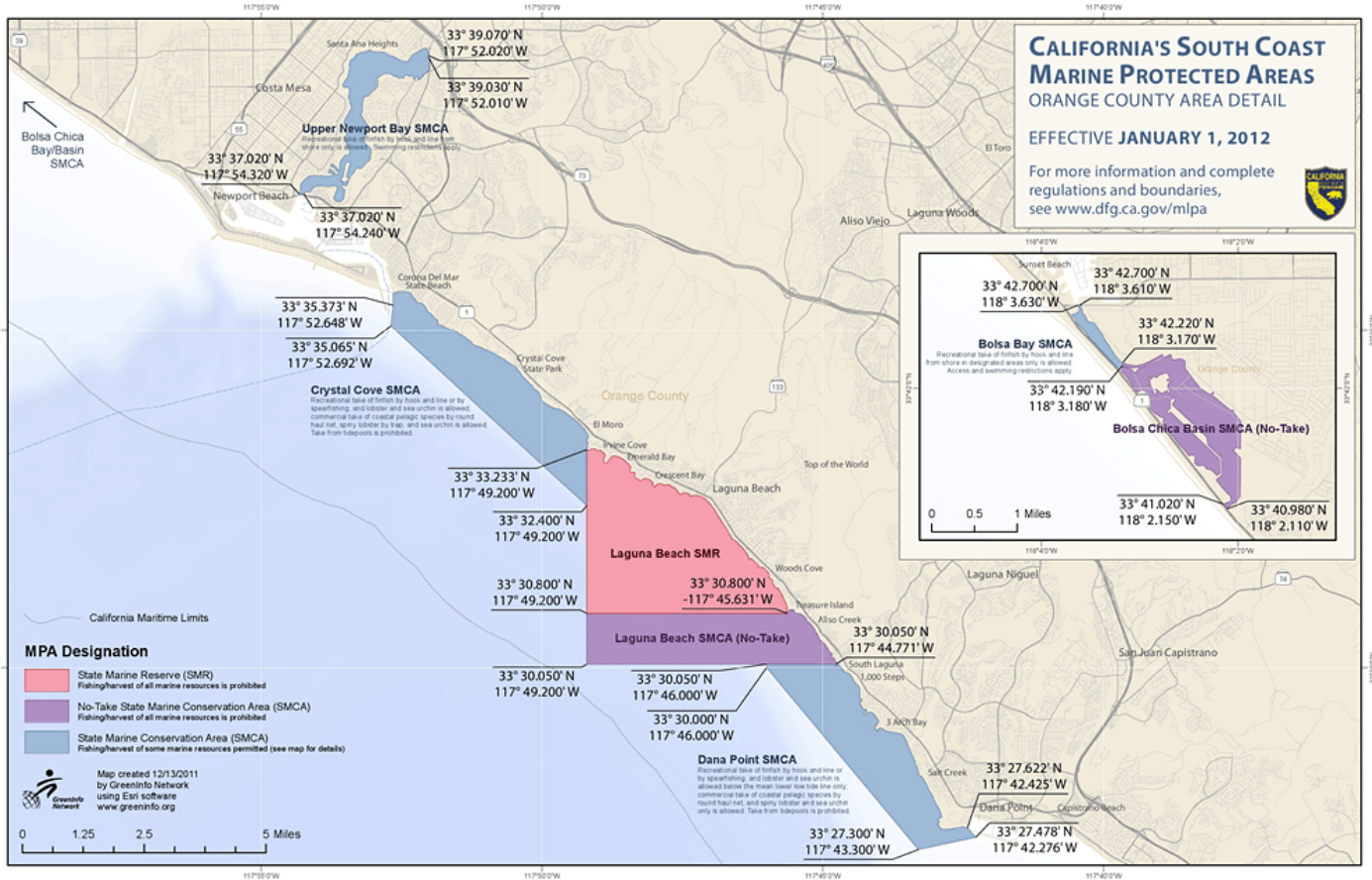




**Marine Protected Area Watch Report**

**Orange County**

**Date of reporting period: April - June 2019**

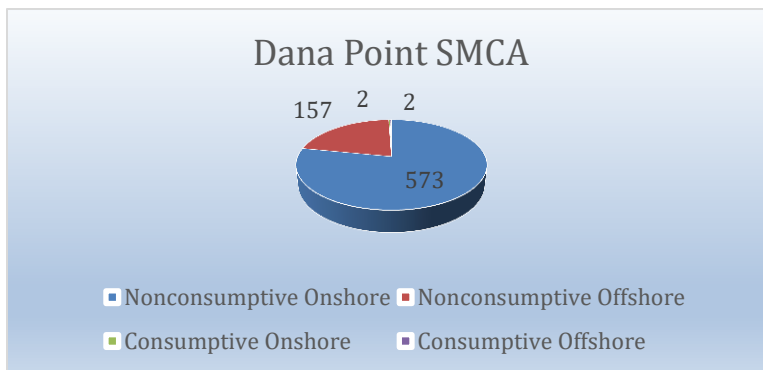
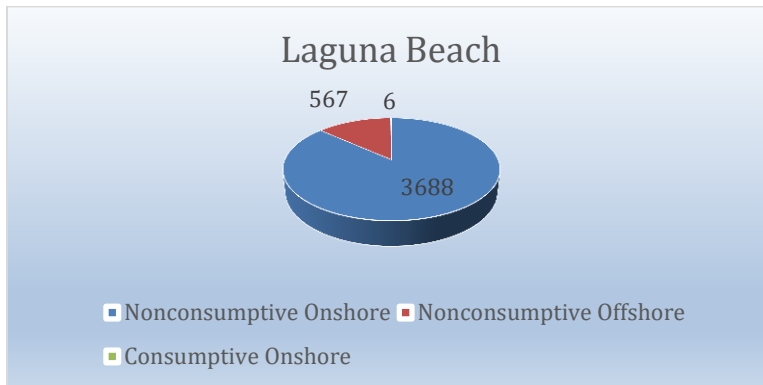
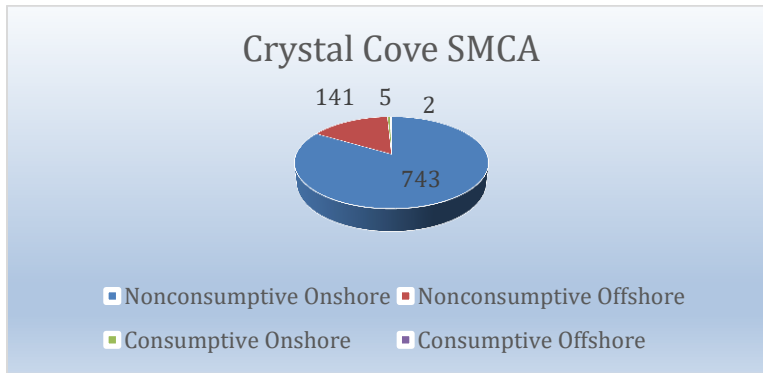
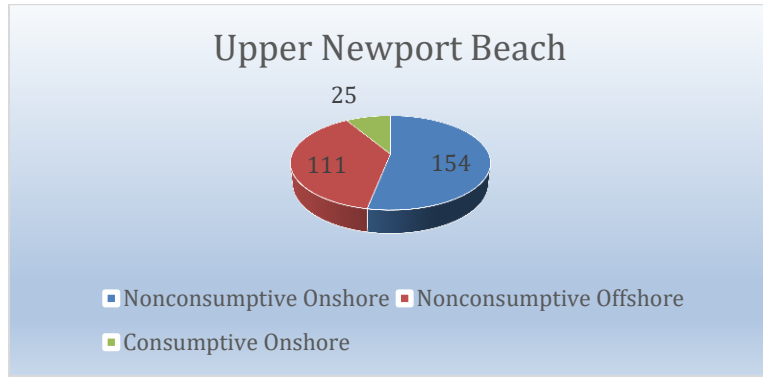


Orange County Coastkeeper (Coastkeeper) is a nonprofit clean water organization that serves as a proactive steward of our fresh- and saltwater ecosystems. We work collaboratively with diverse groups in the public and private sectors to achieve healthy, accessible, and sustainable water resources for the region. We implement innovative, effective programs in education, advocacy, restoration, research, enforcement, and conservation.

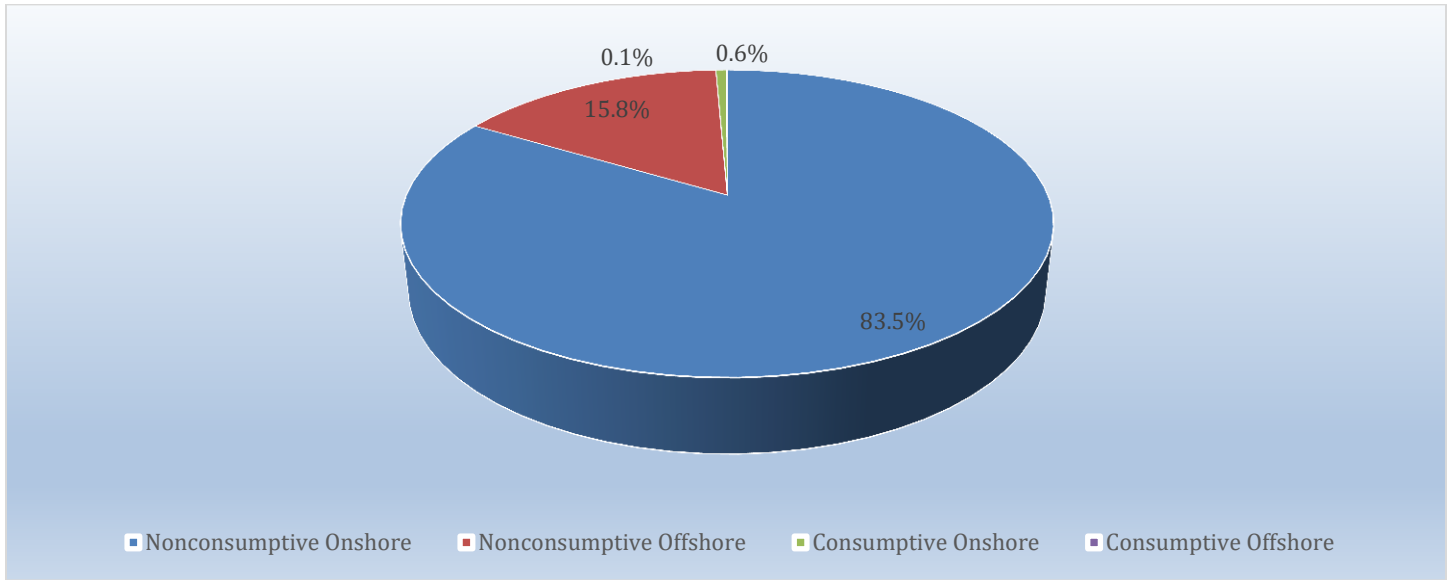
The Orange County Marine Protected Area (OCMPA) Watch Program enlists volunteers, community groups and local government to monitor human activity in the Laguna Beach State Marine Reserve and Conservation Areas (SMRs & SMCAs), Crystal Cove, Dana Point, and Upper Newport Bay State Marine Conservation Areas (SMCAs). MPA Watch is a statewide program with the Orange County component run by Orange County Coastkeeper (OCCK). The goal of MPA watch is to provide information to enhance management and performance of Marine Protected Areas.



### Activities Done Within MPAs



**Percentage Breakdown for All OC MPA Activities April - June 2019**

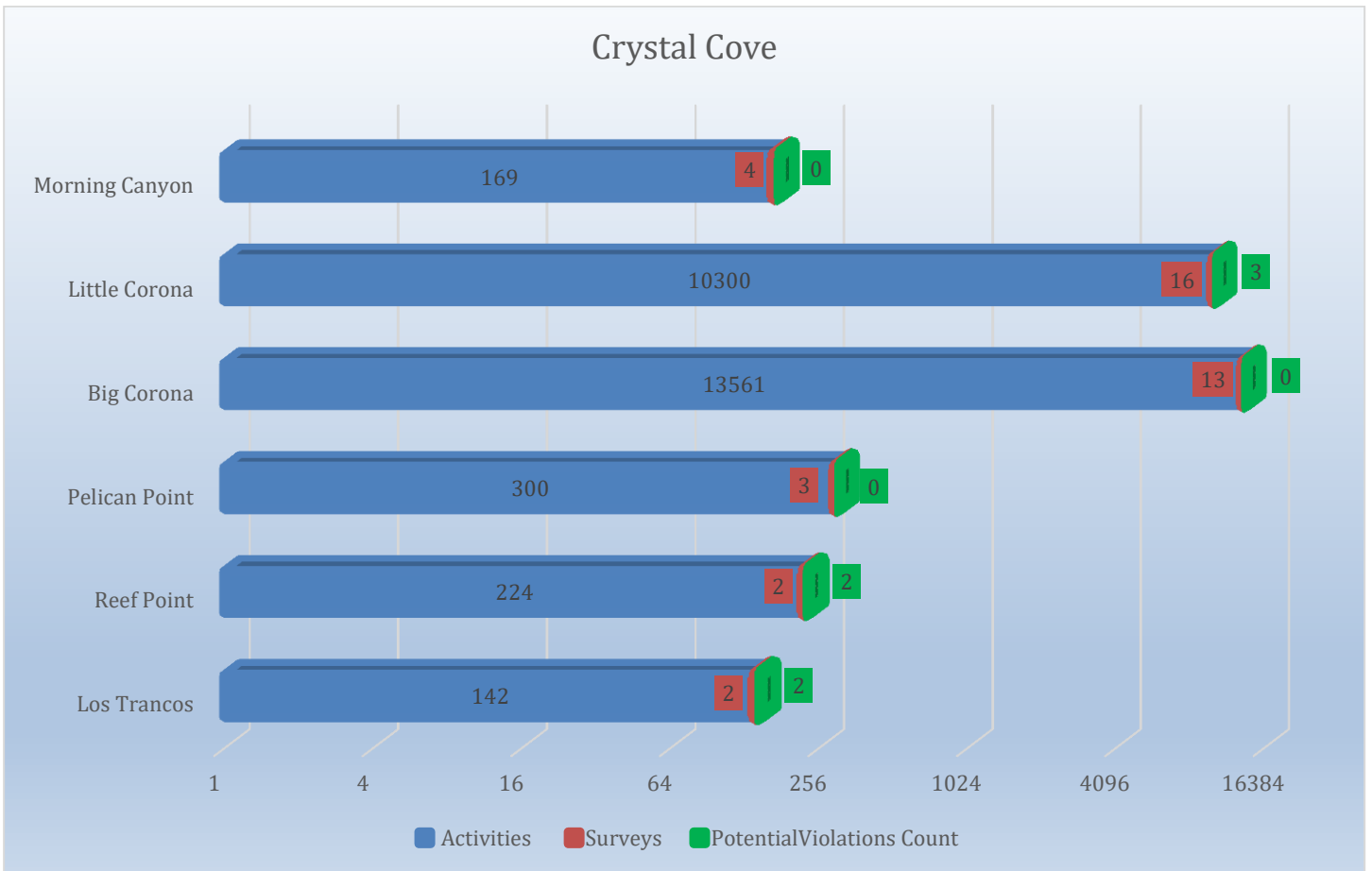
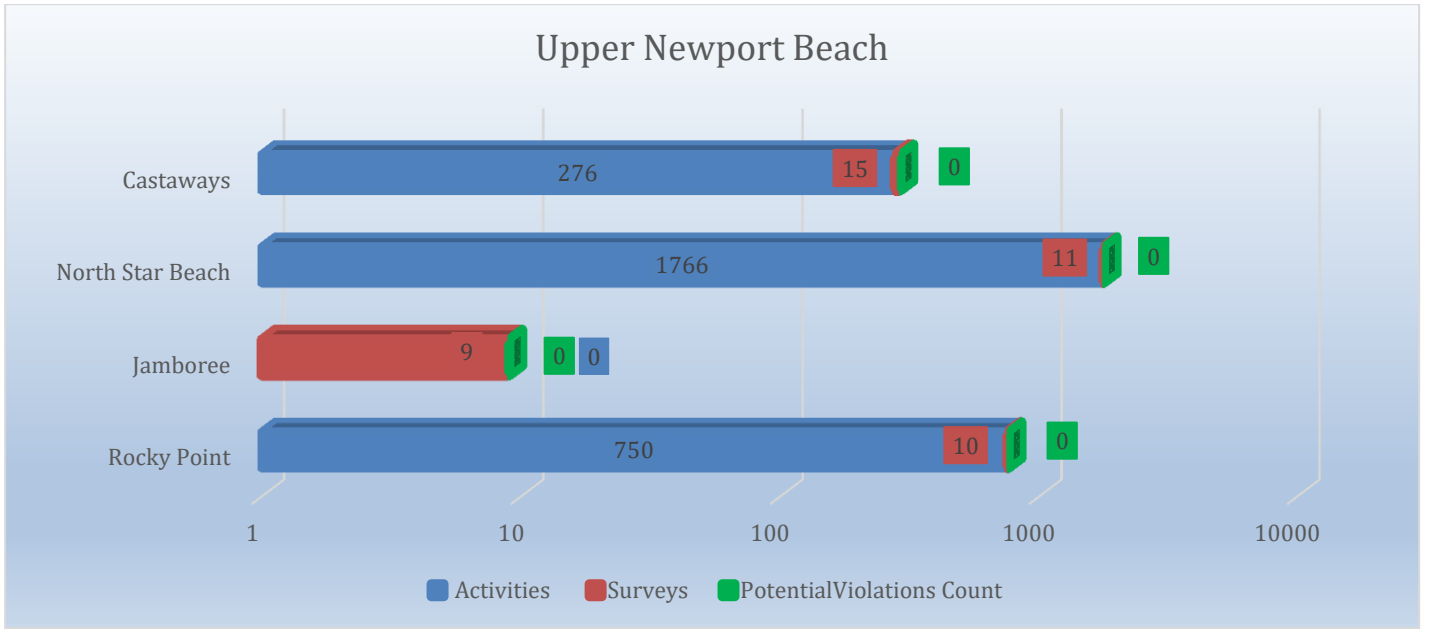


**Total MPA Usage**

MPAs	Surveys	Activities	Non-Consumptive	Consumptive	On-Shore	Off-Shore	Potential Violation
Upper New Port Bay	45	290	265	25	179	111	0
Crystal Cove	40	891	884	7	748	143	7
Laguna Beach	95	4261	4255	6	3694	567	12
Dana Point	21	734	730	4	575	159	3

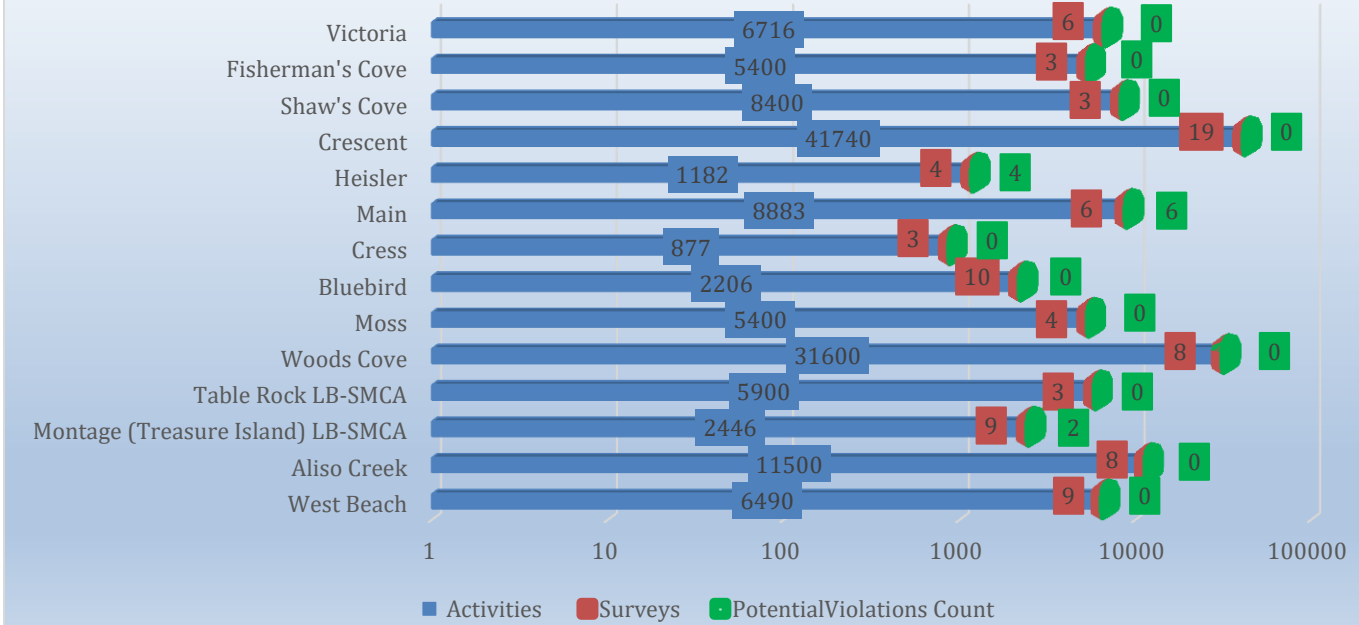
*Figure 1 Based on available data for reporting period per square mile*

### Geographic Distribution of Potential violations, Activities and Surveys within MPAs

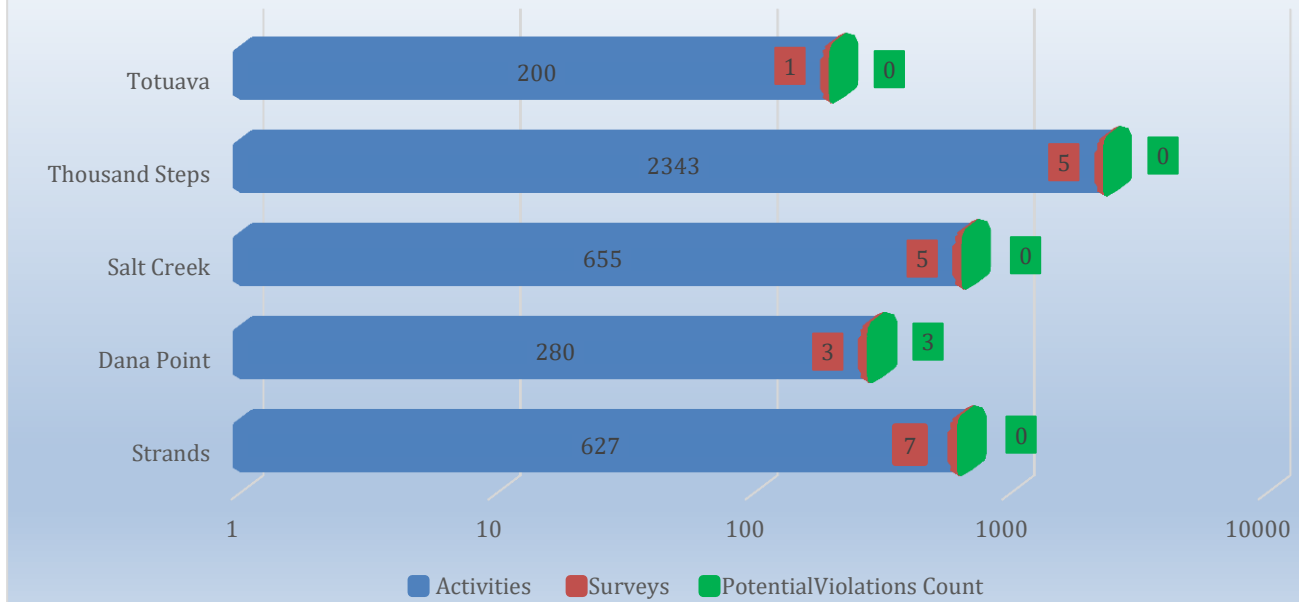




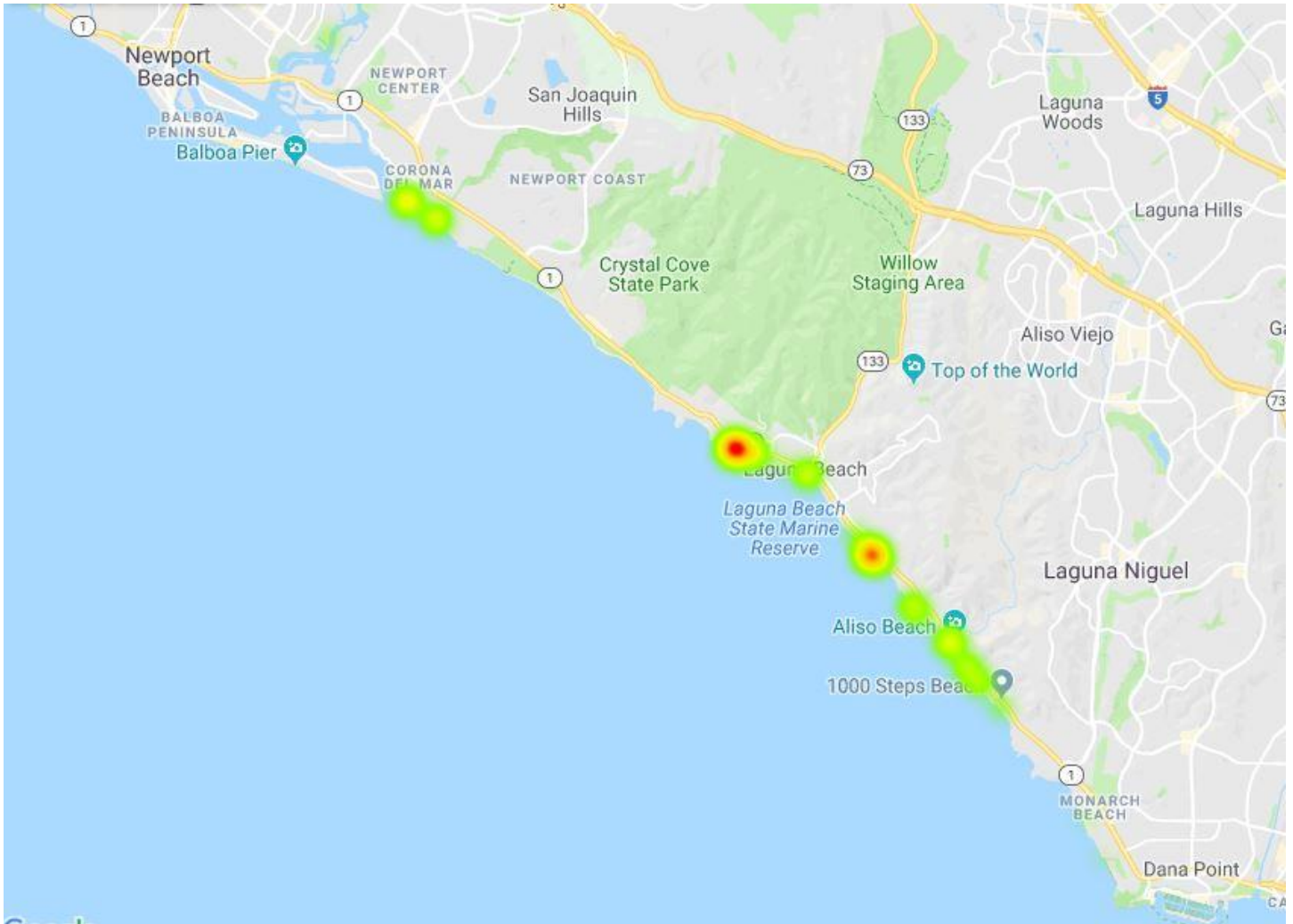
### Laguna Beach



### Dana Point



### Heat Map



Legend: Green represents few to no activities, red represents maximum amount of activities

### **Highlights of Upper Newport Bay Data Analysis**

91.0% of the Upper Newport Beach coastal uses surveyed since MPA implementation are non-consumptive.

The most popular coastal activity in Upper Newport Beach is general beach recreation (36.0%). Other common activities are fishing activities (7.0%).

During this period (Jan- March 2019) we observed no potential MPA violations in the Upper Newport Bay MPA Watch area.

### **Highlights of Crystal Cove Data Analysis**

99.0% of the Crystal Cove coastal uses surveyed since MPA implementation are non-consumptive.

The most popular coastal activities in Crystal Cove are general beach recreation (78.0%). Other common activities are tide pooling (4.0%) and offshore recreation (20.0%).

During this period (Jan- March 2019) we observed seven (7) potential MPA violations in the Crystal Cove MPA Watch area (Los Trancos, Reef Point and Little Corona).

### **Highlights of Laguna Beach Data Analysis**

99.8% of the Laguna Beach coastal uses surveyed since MPA implementation are non-consumptive.

The most popular coastal activity in Laguna Beach is general beach recreation (83%).

Other activities are present in the MPA, which are tide polling (2%) and offshore activities s (8%).

During this period (Jan-March 2019) we observed twelve (12) potential MPA violations in the Laguna Beach MPA Watch area (Montage, Main and Heisler).

### **Highlights of Dana Point Data Analysis**

74% of the Dana Point coastal uses surveyed since MPA implementation are non-consumptive.

The most popular coastal activity in Dana Point is offshore recreations (9.0%).

Other common activities are tide polling (3%) and general beach recreation (3.0%).

During this period (Jan- March 2019) we observed three (3) potential MPA violations in the Dana Point MPA Watch area (Dana Point).



### **Next Steps**

OC Coastkeeper is working to integrate more partners and to implement the MPA Watch into Orange County educational systems.

### **Additional Information**

For additional information regarding Marine Protected Area (MPA) Watch please refer to [www.mpawatch.org](http://www.mpawatch.org). There you can find all of the coastal and marine environments that we work to protect across the state of California, who our partners are, and how you can get involved in the conservation of some of our most valuable natural, biological, and cultural resources.