

**Channel Islands National Marine Sanctuary  
Management Plan Revision Process  
Preliminary Draft List of Potential Action Plan Topics**

**For Sanctuary Advisory Council Consideration  
*September 18, 2020***

**Issue-Based Action Plans:**

**Climate Change**

- *Vulnerability assessment*
- *Support ocean acidification studies & monitoring*
- *Assess impacts to deep sea corals*
- *Role of marine reserves*
- *Education & public engagement on ocean climate change/ocean acidification*
- *CINMS emissions inventory & reduction*
  - *including VSR ship emission reductions*

**Vessel Traffic**

- *Whale ship strike / Vessel Speed Reduction*
- *Area To Be Avoided (ATBA) adjustment*
- *Remote sensing (Shore-based radar, AIS)*

**Introduced Species**

- *Support research/tracking of habitat change from *Undaria pinnatifida* and other non-native species*
- *Education/outreach with harbors/boaters to reduce additional spread*
- *Support early detection and response within CINMS*

**Marine Debris**

- *Understand macro and microplastic load/trend, with partners*
- *CINMS shoreline focus for cleanups and source assessment/quantification*
- *Collaborate with fishermen on trap loss*
- *Education & outreach strategies/partnerships*

**Marine Zoning**

- *Support monitoring, enforcement, and joint CDFW/NOAA administration of Channel Islands MPA network*
- *Santa Barbara Channel MPA Collaborative*
- *CDFW MPA Decadal Review process*
- *Evaluate and respond to other zoning issues/proposals*

## **Programmatic Action Plans:**

### **Education & Outreach**

- *Blue Economy (tourism, rec use, recreational fishing)*
- *Volunteer and outreach program*
- *Citizen science*
- *Visitor centers/partner facilities*
- *Media and communication tools*
- *Curriculum and education product development*
- *Collaborating with education partners*
- *Regional & national initiatives*
- *<see also: issue-based action plans>*

### **Research & Monitoring**

- *Socioeconomic: human use assessment*
- *Condition reporting*
- *Ocean noise monitoring*
- *Coordination of priority field studies*
- *Habitat mapping characterization of sanctuary features*
- *Research interpretation & information sharing*
- *Regional & national sanctuary system initiatives*
- *<see also: issue-based action plans>*

### **Resource Protection**

*Emergency response (spills, groundings, entanglements)*  
*Enforcement*  
*Technology development*  
*White abalone*  
*Permitting*  
*Emerging issues*  
*<see also: issue-based action plans>*

### **Maritime Heritage**

*Shipwreck exploration, monitoring, interpretation*  
*Chumash community partnership*

### **Administration & Operations**

*Vessel Operations Program and other field operations*  
*Administrative & facility priorities and initiatives*  
*Sanctuary Advisory Council*  
*<see also: Climate Change action plan>*