

## **State Wildlife Action Plan (SWAP) 2015**

### **South Coast Marine Region Bay, Estuary & Lagoon Habitats**

#### **What are the sensitive species found in the bay, estuary & lagoon habitats?**

The following marine species from this region are found to be sensitive:

##### **Plant**

SEAGRASS (EELGRASS)

##### **Fish**

CALIFORNIA HALIBUT

TIDEWATER GOBY

##### **Bird**

AMERICAN WHITE PELICAN

CALIFORNIA CLAPPER RAIL

LIGHT-FOOTED CLAPPER RAIL

##### **Invertebrate**

NATIVE OYSTER

SOUPFIN SHARK

SOUTHERN CA STEELHEAD

CALIFORNIA LEAST TERN

BLACK SKIMMER

**What do we find important for recovering and sustaining healthy bay, estuary & lagoon habitat?** Ecological conditions that are found to be most critical to sustain healthy bay, estuary and lagoon habitats in this region are:

- Surface area
- Tidal prism
- Water quality
- Substrate quality
- Seagrass bed
- Infaunal benthic community
- Fish community
- Bird community
- Native species
- Floating vegetation
- Bathymetry
- Tidal inundation
- Circulation
- Ocean inputs
- Watershed inputs
- Connectivity

Degraded ecological conditions that are found to be impacting the bay, estuary and lagoon habitats in this region are:

- Reduction in habitat area
- Decrease in shorebird populations

- Decrease in bivalve populations
- Decrease in native species populations
- Decrease in seagrass beds
- Altered sand deposition patterns
- Change in freshwater flow into water bodies
- Decrease in water quality of freshwater flow
- Altered residence time
- Change or loss in connectivity within water bodies
- Decrease in water quality of water bodies
- Change in circulation pattern
- Altered tidal mixing
- Decrease in quality of sediments

Human related activities and issues that are found to be sources of potential impacts to the bay, estuary and lagoon habitats (ranked by severity highest on top) are:

- |  |  |
|--|--|
| - Climate Change and Ocean Acidification (Rank: 1) | - Invasive Species (8)                       |
| - Shoreline Development (2)                        | - Urban Runoff (9)                           |
| - Diversion/Control of Freshwater (3)              | - Pathogens (10)                             |
| - Agricultural Runoff (4)                          | - Artificial Structures (12)                 |
| - Point Discharges (5)                             | - Aquaculture (14)                           |
| - Hazardous Spills (6)                             | - Ocean/Estuary Water Diversion/Control (16) |
| - Modification of Mouth/Channels (7)               |  |

**More questions?**

1. Come talk to us and ask questions at scoping meetings!
2. Check our Website: <http://www.dfg.ca.gov/SWAP/>
3. Provide written comments

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