



# Update on EBM Initiative

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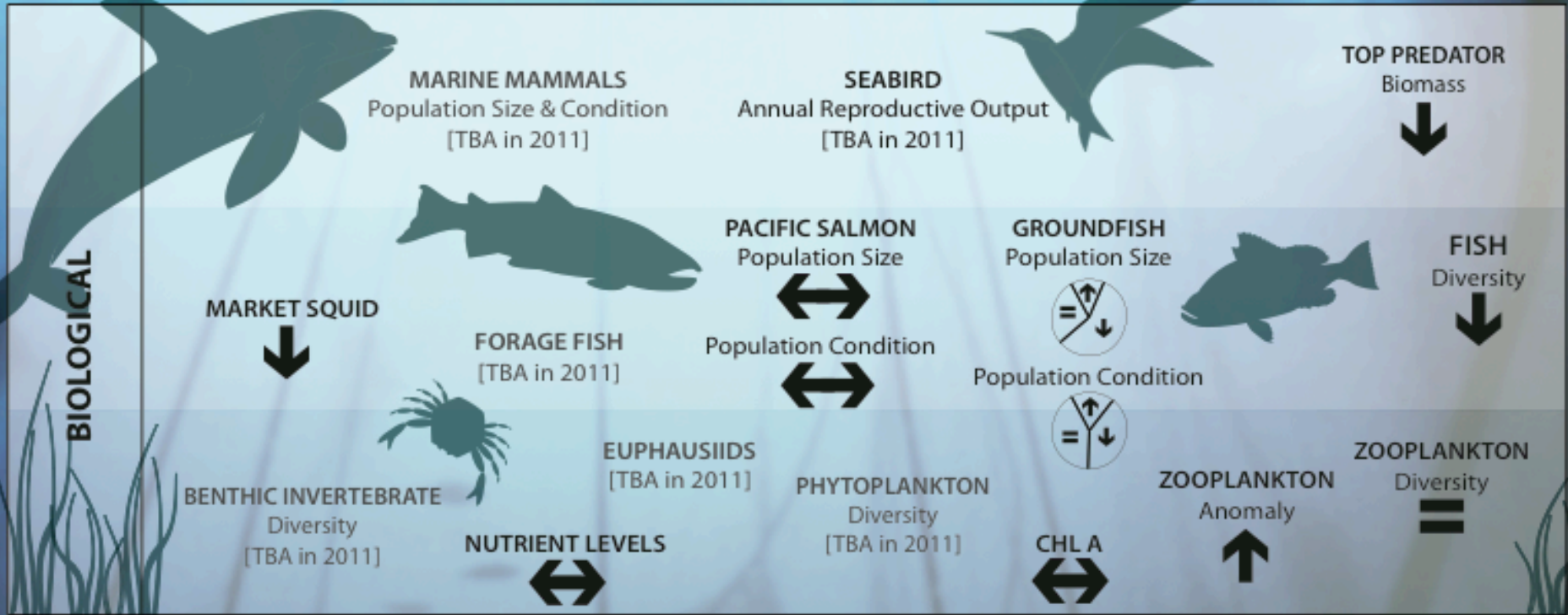
Goal 1. Maintain/restore ecosystem health  
**Integrated Ecosystem Assessment**

**Integrated Ecosystem Assessment**  
The Science Needed for a Healthy California Current



<http://www.nwfsc.noaa.gov/publications/>

# Status of the California Current Ecosystem at a Glance



## PACIFIC DECADEAL OSCILLATION (PDO)



## NORTHERN OSCILLATION INDEX (NOI)



## SEA SURFACE TEMPERATURE



**PHYSICAL**

### KEY

- ↓ Downward Trend
- ↑ Upward Trend
- = No Trend
- ↔ Variable Coastwide
- 2010 Value
- ← Trend
- Range from Last 5 Yrs

# IEA Communications

1. Website
2. Webinars
3. Videos
4. Brochure on-line



## NOAA's Integrated Ecosystem Assessment Program

IEA Quick Links

- Home
- California Current Regional Ecosystem
- Gulf of Mexico Regional Ecosystem
- Northeast Shelf Regional Ecosystem
- Pacific Island Regional Ecosystem
- Alaska Complex Regional Ecosystem
- Partners
- FAQ
- Contact Us
- Select Publications

The many faces of ecosystem-based management: Making the process work today in real places

Integrated Ecosystem



California Current

The California Current (CC) is known for strong seasonal upwelling that yields local areas of high productivity capable of supporting a wide variety of important commercially harvested shellfish and fish as well as sea birds and large marine mammals. Interannual variability in this system is influenced by two main climate drivers, the El Niño Southern Oscillation and the Pacific Decadal Oscillation. Health and productivity of this system is affected by commercial and recreational fishing, pollution, habitat degradation, shoreline alteration, logging, agriculture, urbanization, grazing, and energy production. The California Current Ecosystem (CCE) is the first in eight of the USA's Large Marine Ecosystems (LMEs) to implement NOAA's Integrated Ecosystem Assessment (IEA) program.

Source: [www.lme.noaa.gov](http://www.lme.noaa.gov) and Northwest Fisheries Science Center

**IEA**

**Your input is  
requested**

- **IEA camera team in Monterey  
March 8<sup>th</sup>**
- **Why is the MBNMS ecosystem  
health important to you?**
- **Please talk to Rikki for more  
information**



# Protect Unique Rare Features

Report available  
on EBM  
Initiative  
website

## Unique and Rare Features in Monterey Bay National Marine Sanctuary: Summary of the 2011 Workshop to Inform the Ecosystem-based Management Initiative

convened  
May 24th, 2011

at the  
Southwest Fisheries Science Center, Santa Cruz, California



National Marine Sanctuaries  
National Oceanic and Atmospheric Administration



NATIONAL MARINE  
SANCTUARIES

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MONTEREY BAY

<http://montereybay.noaa.gov>