

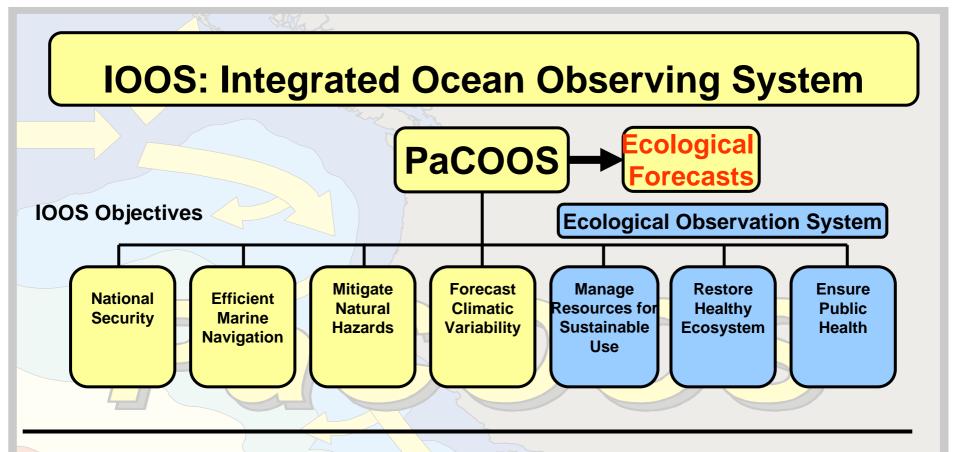
Southwest Fisheries Science Center

NOAA Fisheries Service

PaCOOS: the Ecological Observing System for the California Current

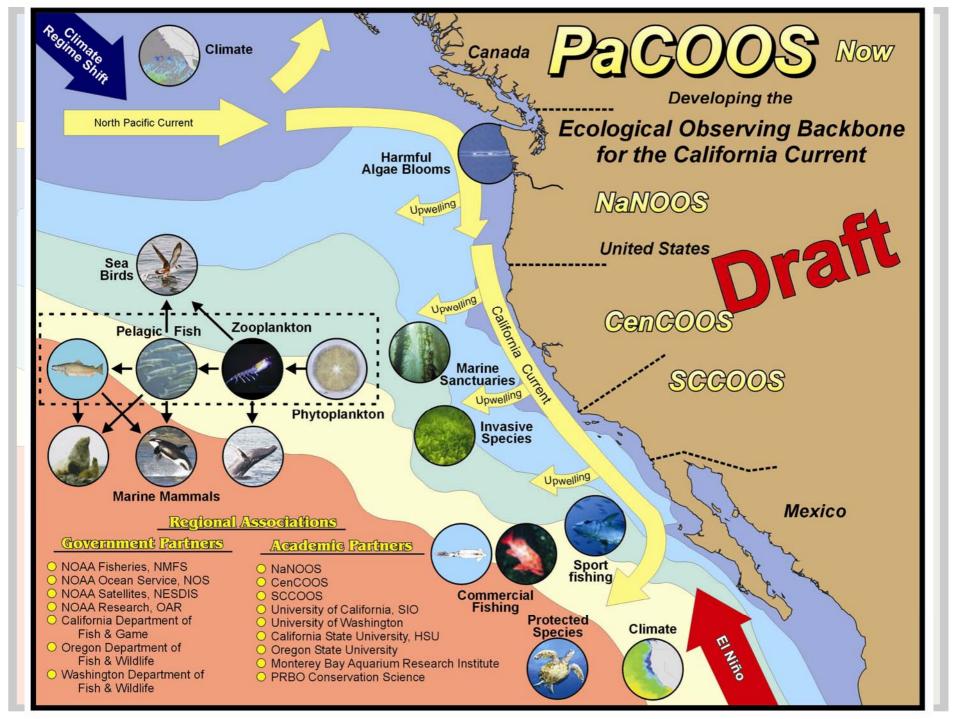
Update and Request from the PICES Governing Council

Jonathan Phinney Assistant Center Director NOAA Fisheries (SWFSC) October 2006 John Stein Deputy Science Director (NWFSC)

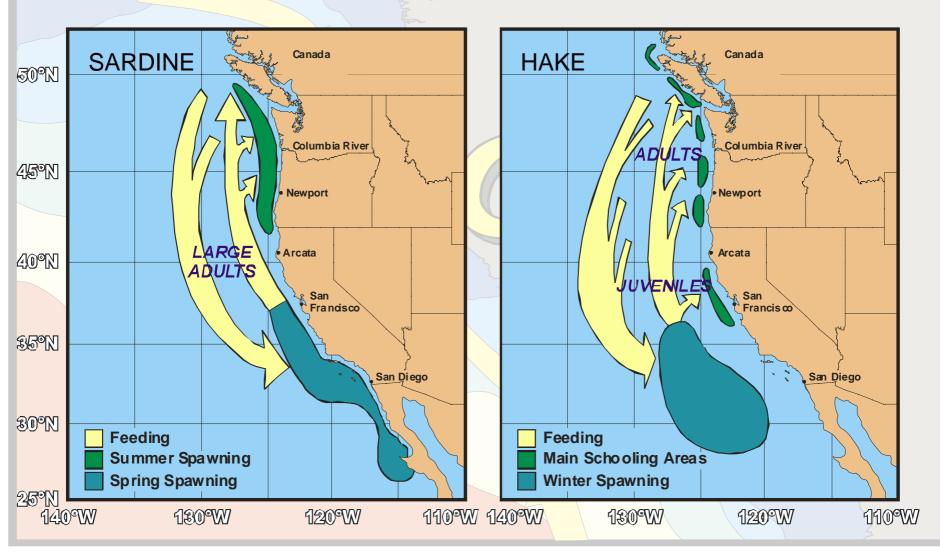


POTENTIAL Ecological Forecasts:

Sardines, Hake, Salmon, Harmful Algal Blooms



Transboundary Example: Coast-wide Fisheries



PaCOOS History

- Charter established (2003)
- 3 Annual Board of Governors Meetings (2003-2005)
- Science Plan (2005) (updated in 2006) & evolving
- NOAA's SWFSC Assistant Center Director to develop PaCOOS along the California Coast in collaboration with the NWFSC (2005)

PaCOOS Board of Governors

- US Federal Govt Agencies
 - US State Govt. Agencies
 - Academic Members/NGO's

Regional Association (Ex-officio) – NANOOS – CENCOOS – SCCOOS

International (Ex-officio)
– PICES

 Canada-DFO (Invited to 2006 Board Meeting in January 2006)
Mexico-Instituto Nacional de la Pesca (Invited)

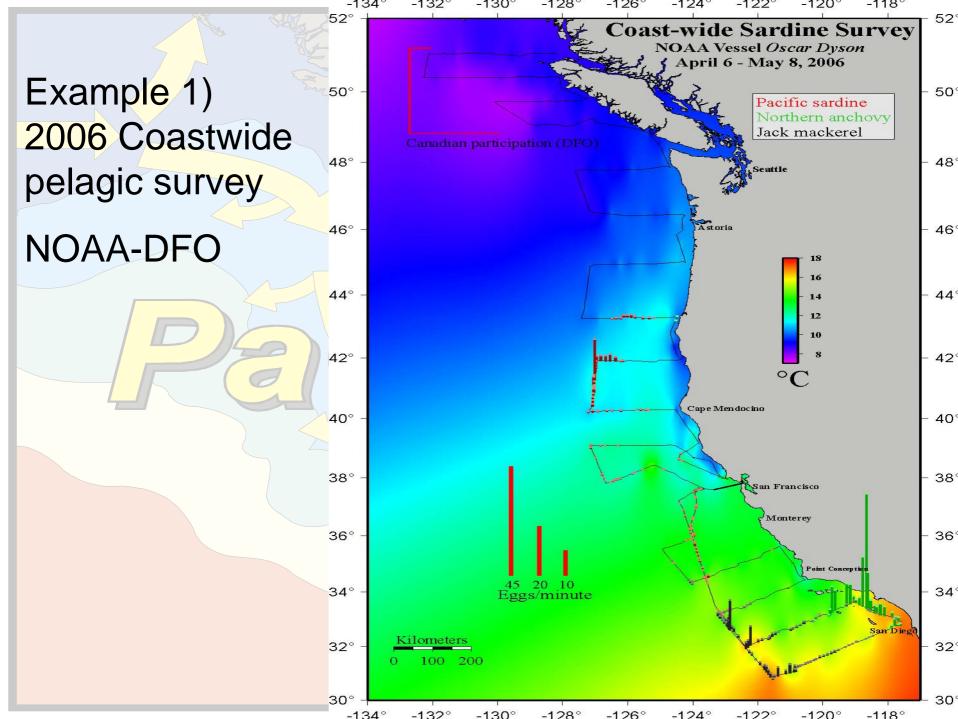
PaCOOS NOAA Products and Service Development for 2006

Data Management

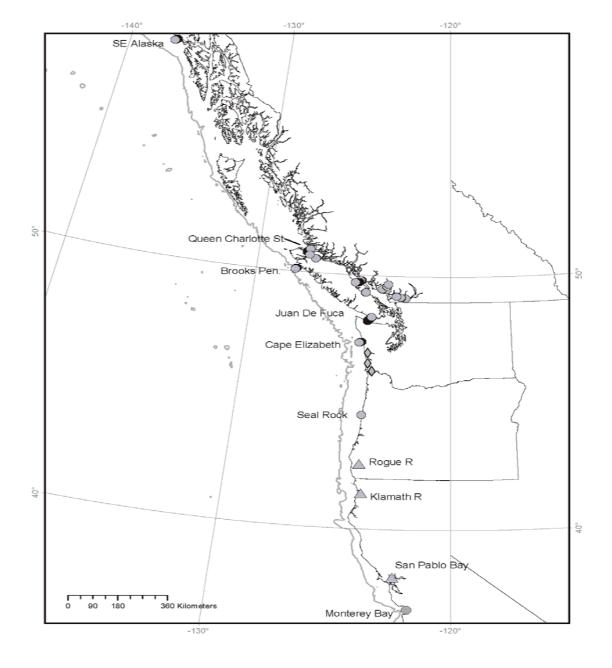
- NOAA: CA Current-related data accessible using DMAC standards (NWFSC, SWFSC, NMSP).
- RA's: Krill Data management with (modest) \$ (SCCOOS/CENCOOS)
- Ocean Observing
 - CalCOFI surveys for the 56th year (SIO/NOAA/CA F&G)
 - Coastwide ("BC to BC") ichthyoplankton survey
- Products
 - Model development on feasibility of CPS "forecast" (CPS)
 - <u>Preliminary Integrated Ecosystem Assessment (NOAA).</u>
 - Bill Peterson (NOAA) Coho Salmon Forecast for 2006 & 2007

PaCOOS ties with PICES:

Presently at the research level between Canadian and US Scientists



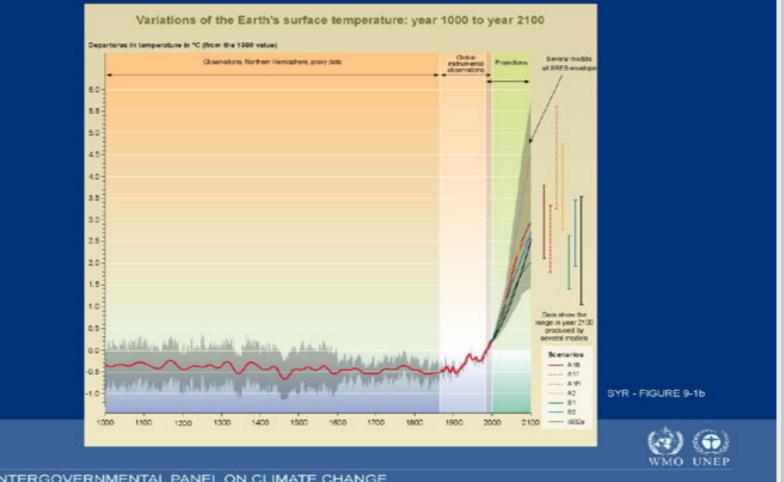
Example 2) Green Sturgeon tagged in the USA and recorded in Canada NOAA-DFO



PaCOOS needs from PICES

- Support forecast concept development
 Topic Session at PICES 2007 Annual Meeting
- Support forecast model development amongst PICES member countries.
 - Encourage multiple model development on same topic
- Support Data Collection and Management that are compatible with ocean observing standards.

Ecosystem Forecasts need to follow IPCC Procedures: Multiple models applied to the same problem



IPCC

INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE

PaCOOS can advise PICES on FUTURE Program

 "FUTURE willfocus() on understanding the mechanisms underlying ecosystem response, by developing a forecasting capability, and by providing estimates of the uncertainty associated with these forecasts."

(PICES FISP Draft following Interim Science Board Meeting held in April 2006)

Thank you