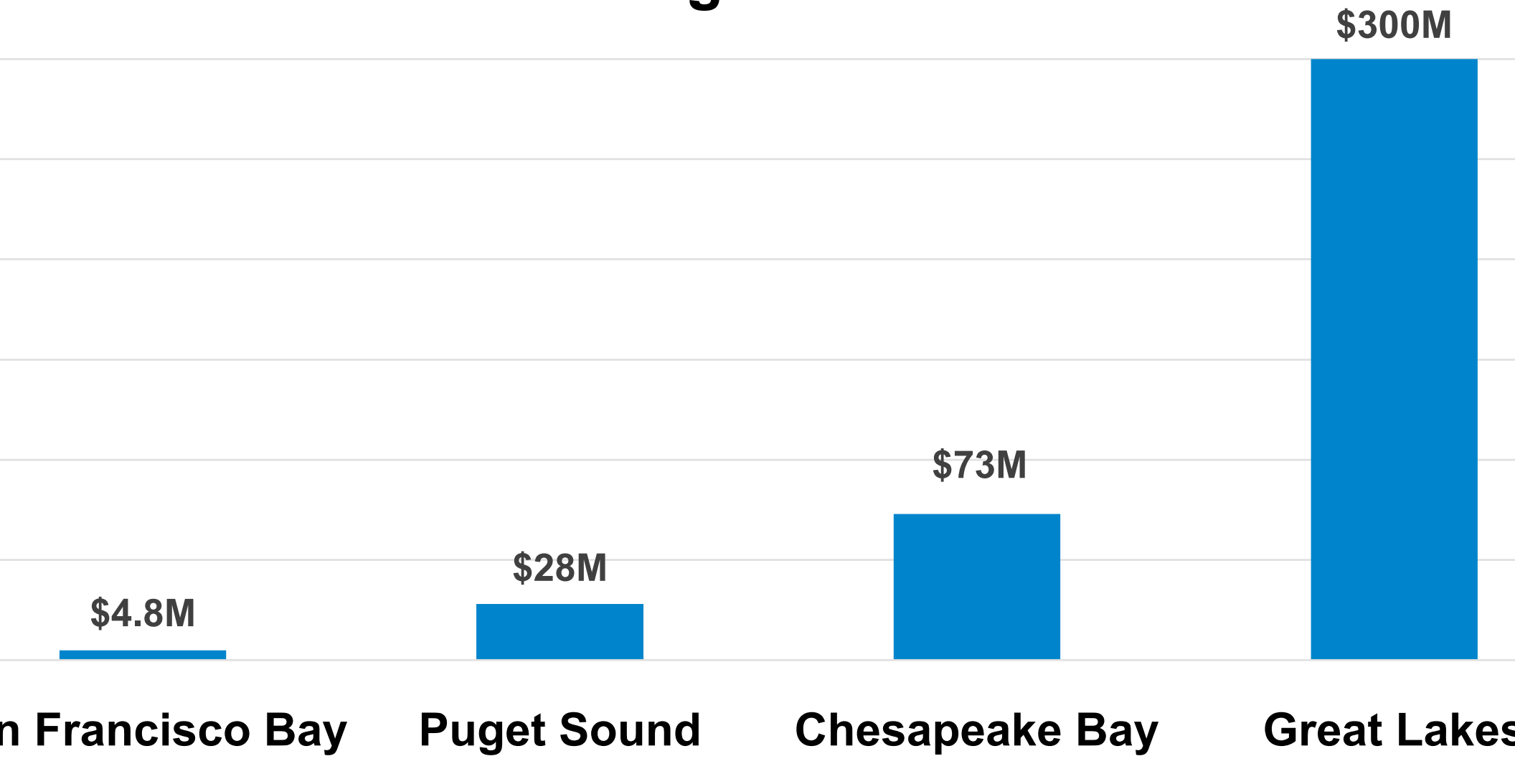
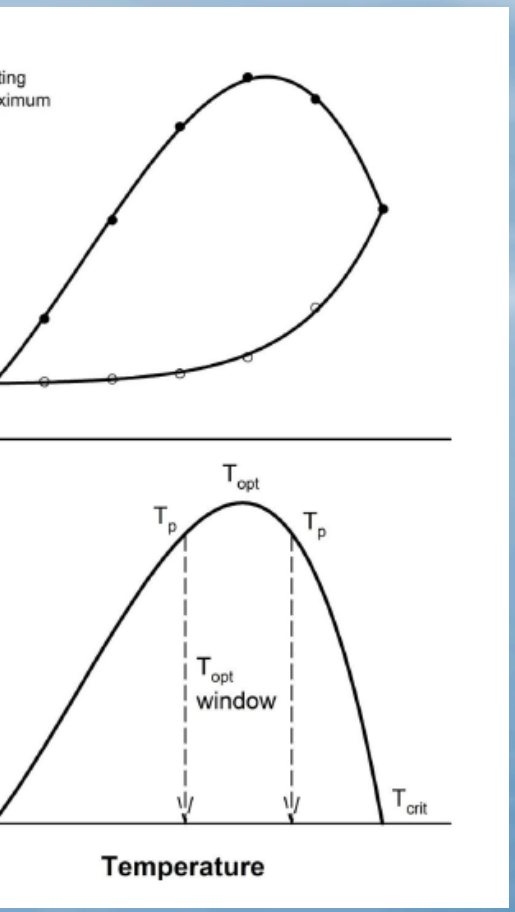
2015 EPA Funding for Major Geographic Programs





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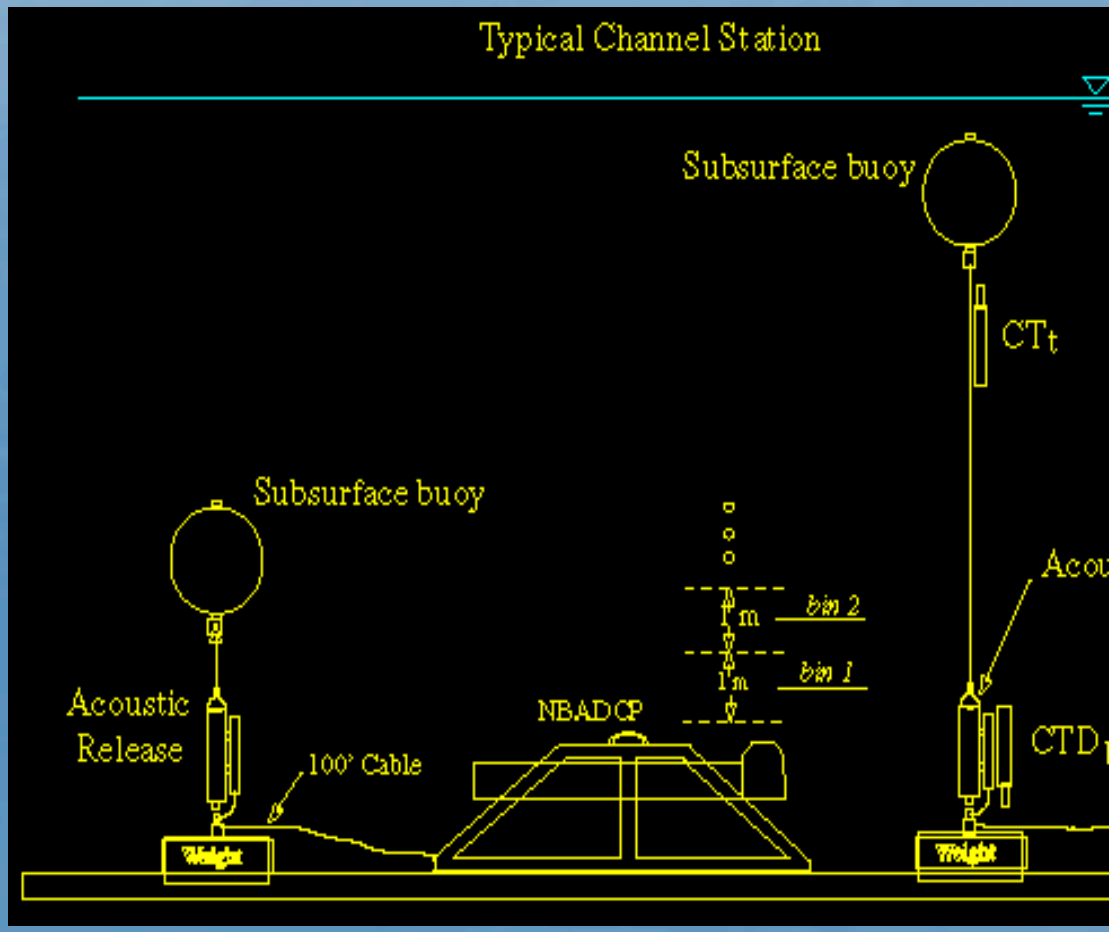
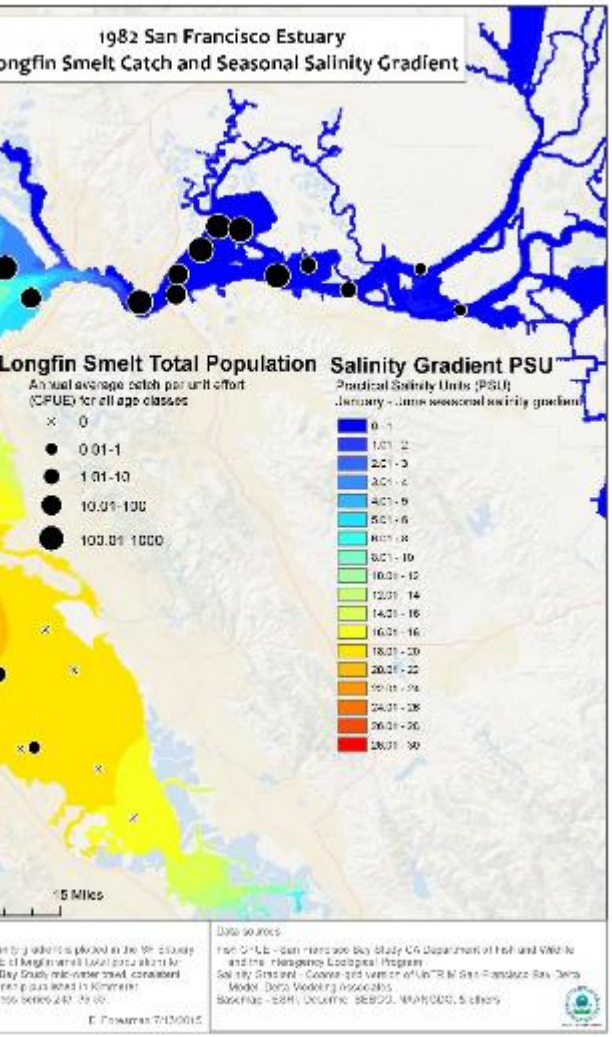
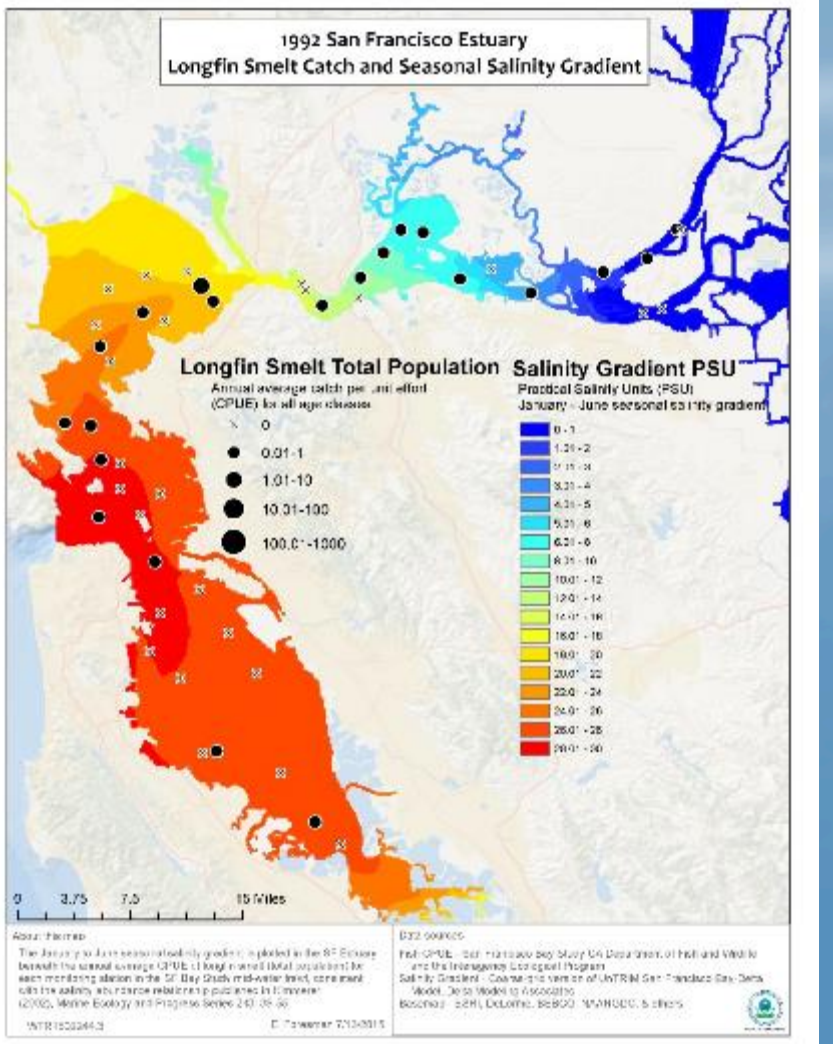
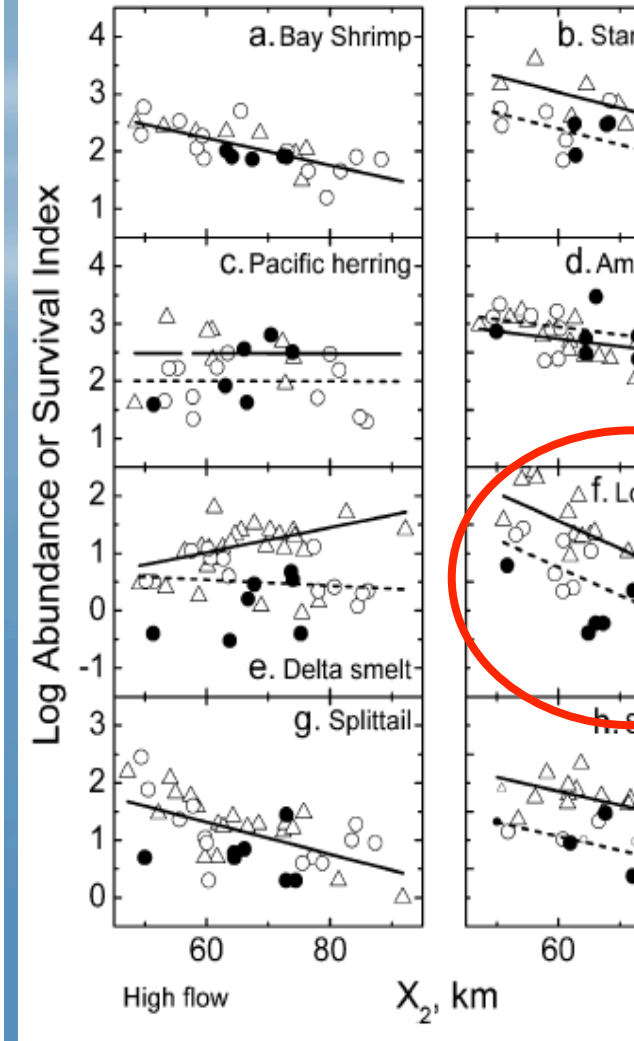
Citation	Autoregressive Equation (X_2 in km, Q in cfs)
1.) Schubel et al. (1993), Appendix A, (DAYFLOW)	$X_2(t) = 10.16 + 0.945 \cdot X_2(t\text{-}1) - 1.487 \cdot \log_{10}(Q$
2.) Jassby et al. (1995) (not plotted in Figure 2)	$X_2(t) = 10.3 + 0.945 \cdot X_2(t\text{-}1) - 1.5 \cdot \log_{10}(Q_{cfs}$
3.) Jassby eq. as cited by Monismith et al. (2002)	$X_2(t) = 13.76 + 0.945 \cdot X_2(t\text{-}1) - 2.3 \cdot \log_{10}(Q$
4.) Monismith et al.	

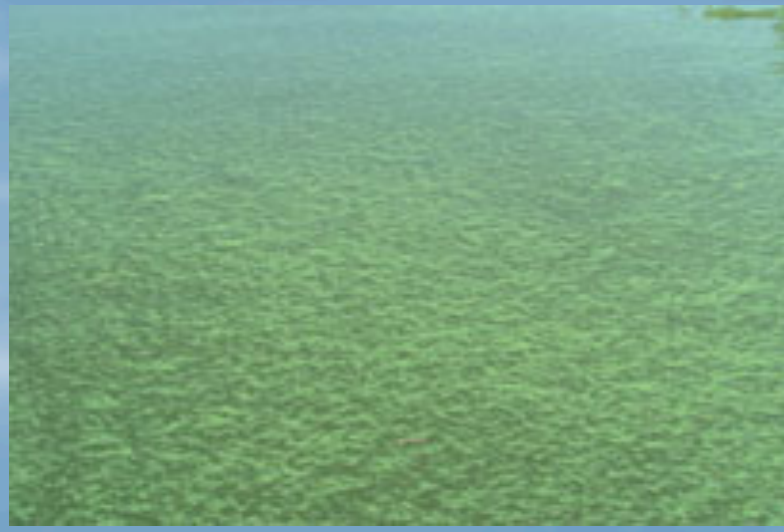



1982 San Francisco Estuary
ongfin Smelt Catch and Seasonal Salinity Gradient
Longfin Smelt Total Population
Salinity Gradient PSU
0.01-1
1.01-10
10.01-100
100.01-1000
15 Miles


1992 San Francisco Estuary
Longfin Smelt Catch and Seasonal Salinity Gradient
Longfin Smelt Total Population
Salinity Gradient PSU
0.01-1
1.01-10
10.01-100
100.0 -1000
0
3.75
7.5
15 Miles


a. Bay Shrimp
c. Pacific herring
e. Delta smelt
g. Splittail
Log Abundance or Survival Index
60
80
High flow
X_2, km

THE SACRAMENTO BEE



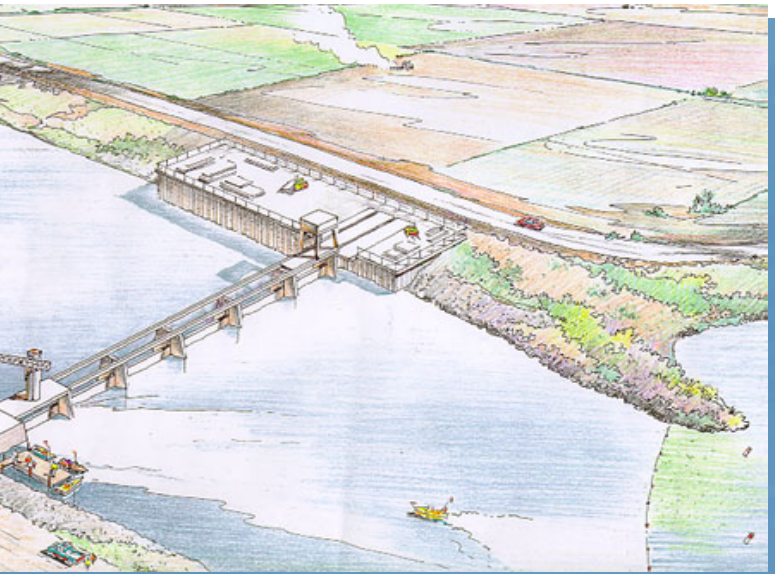
OCTOBER 8, 2015

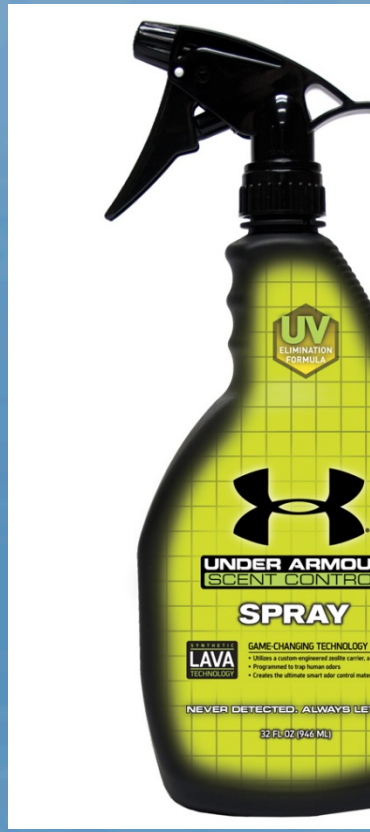
h officials warn people, pets away from with blue-green algae

after swimming off Sacramento city beach

als placing warning signs on city beaches

n water may cause rapid death if swallowed





ITORING, ASSESSMENT, AND SCIENCE PLAN FOR CVP/S

- ly integrated, comprehensive monitoring framework
- logical, physical, and chemical monitoring **and assessment w**
  cience plan
- mply with ESA, CESA, CWA, and Porter-Cologne
- produce the best available information measuring the extent of impacts fr
  permitted activities
- ink impacts to mitigation and monitoring actions
- dentify ecological performance standards and methods for measuring an
  eporting progress
- dentify science needs to inform management actions and monitoring
  strategies
- use common databases, measurement methods, and mapping protocols t
  facilitate data sharing