



Mike Johns, PhD

Toxicology Consultant

to

San Diego Unified Port District

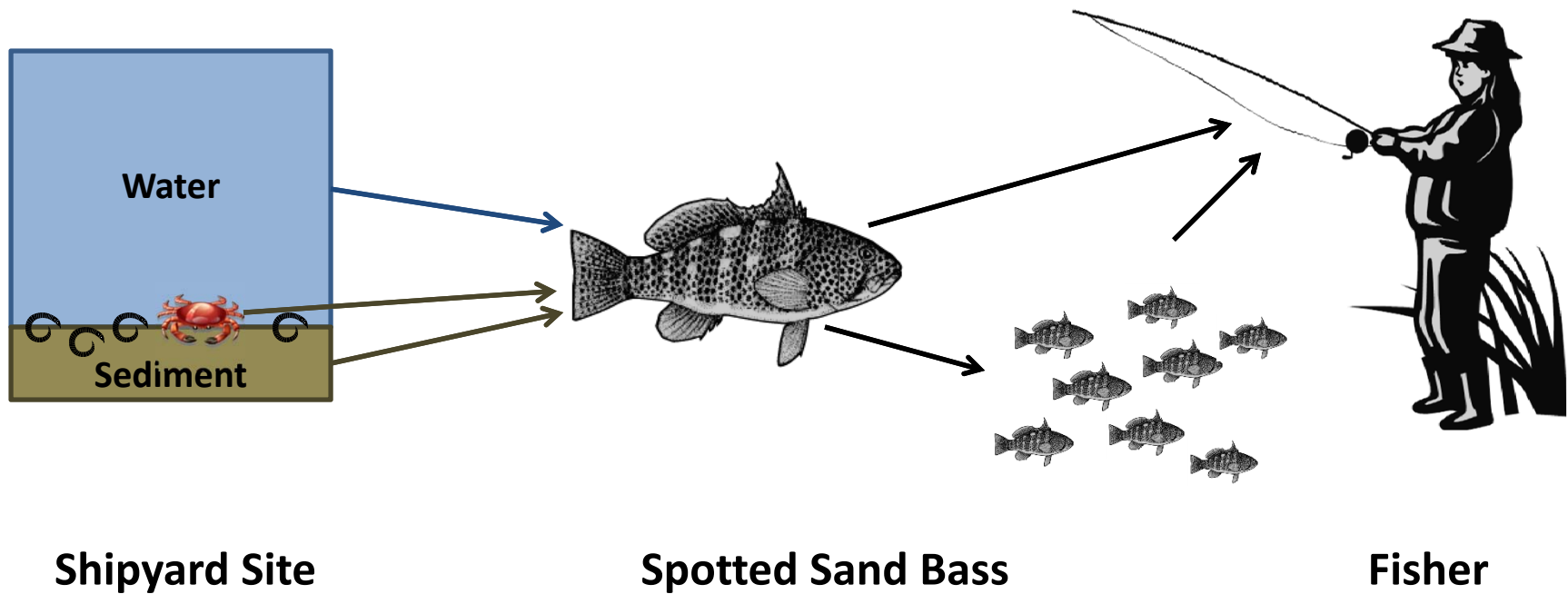
Sufficiency of DTR

- RWQCB considered information typical to sediment investigations
- Analysis is consistent with acceptable practice
- Would do some analysis differently
 - Fisher exposure includes catching fish outside site
 - Consider inclusion of additional polygon
 - Additional analysis of another polygon

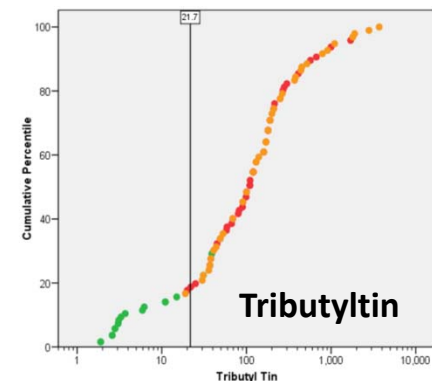
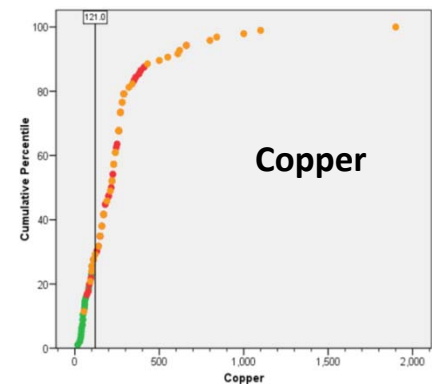
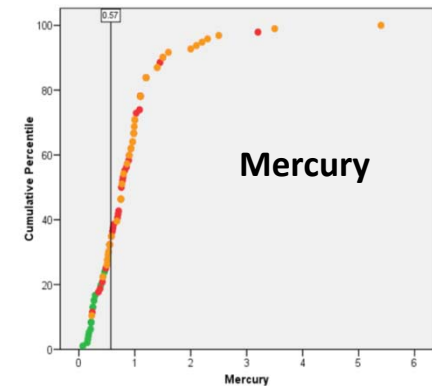
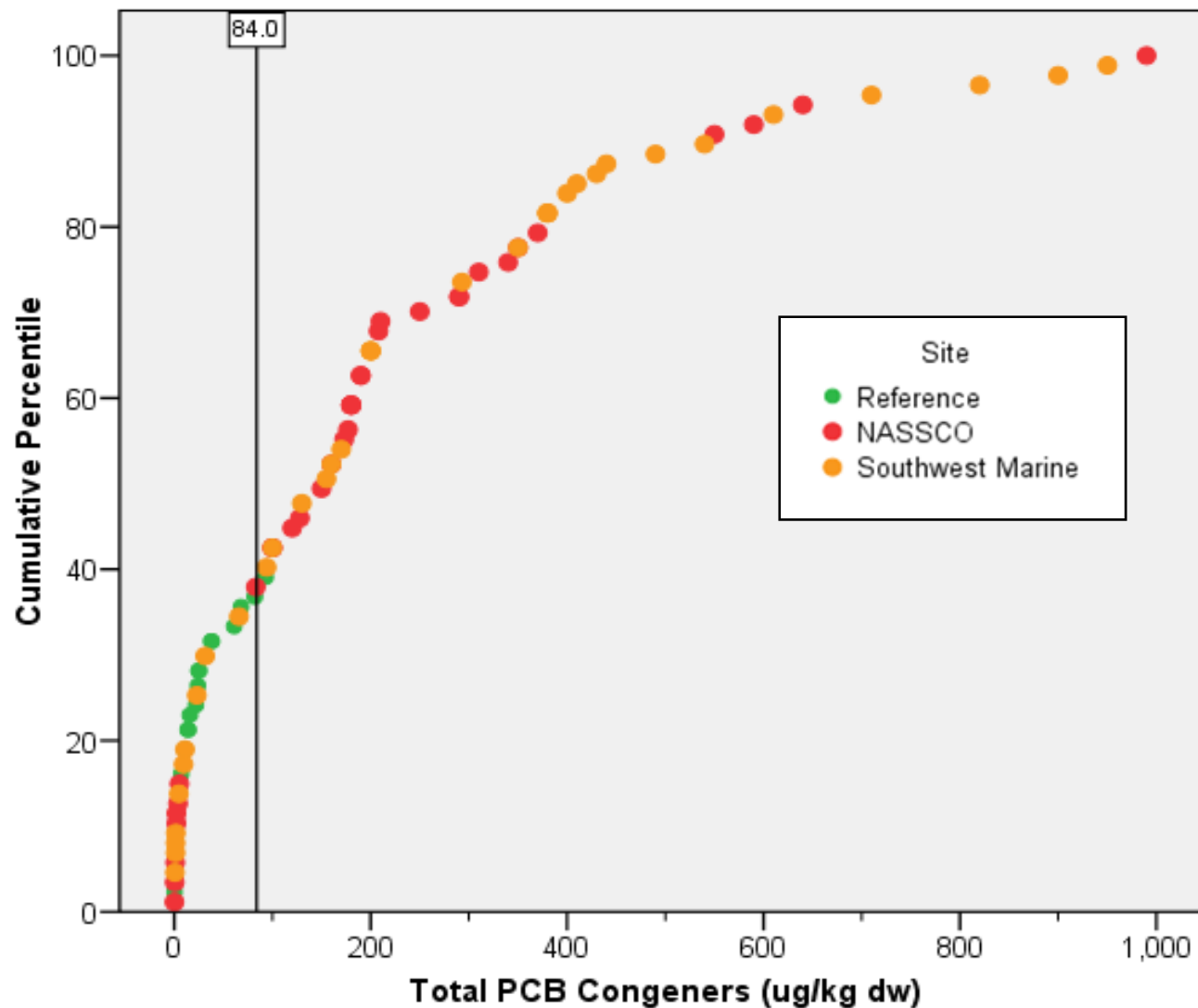
Beneficial Uses



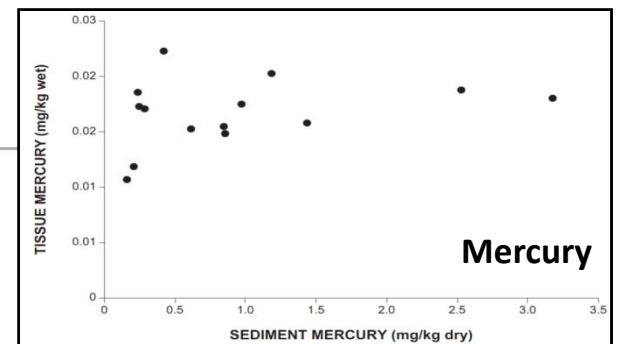
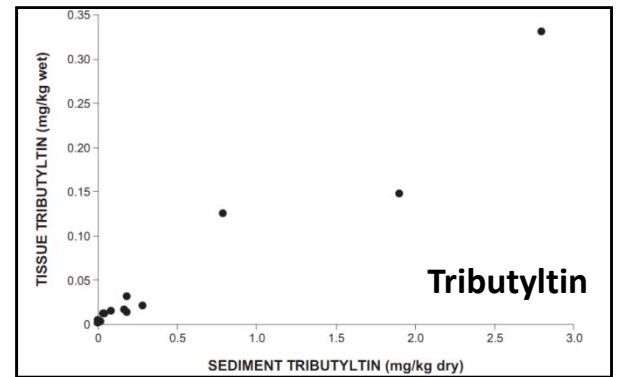
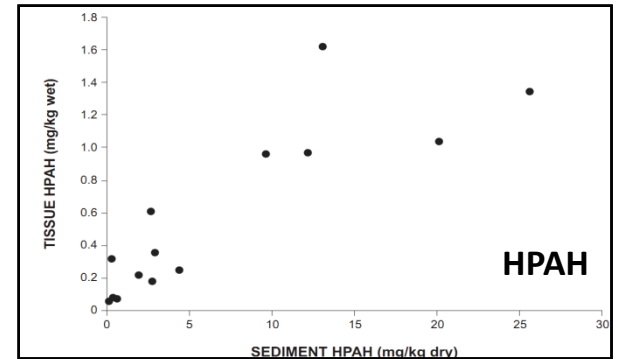
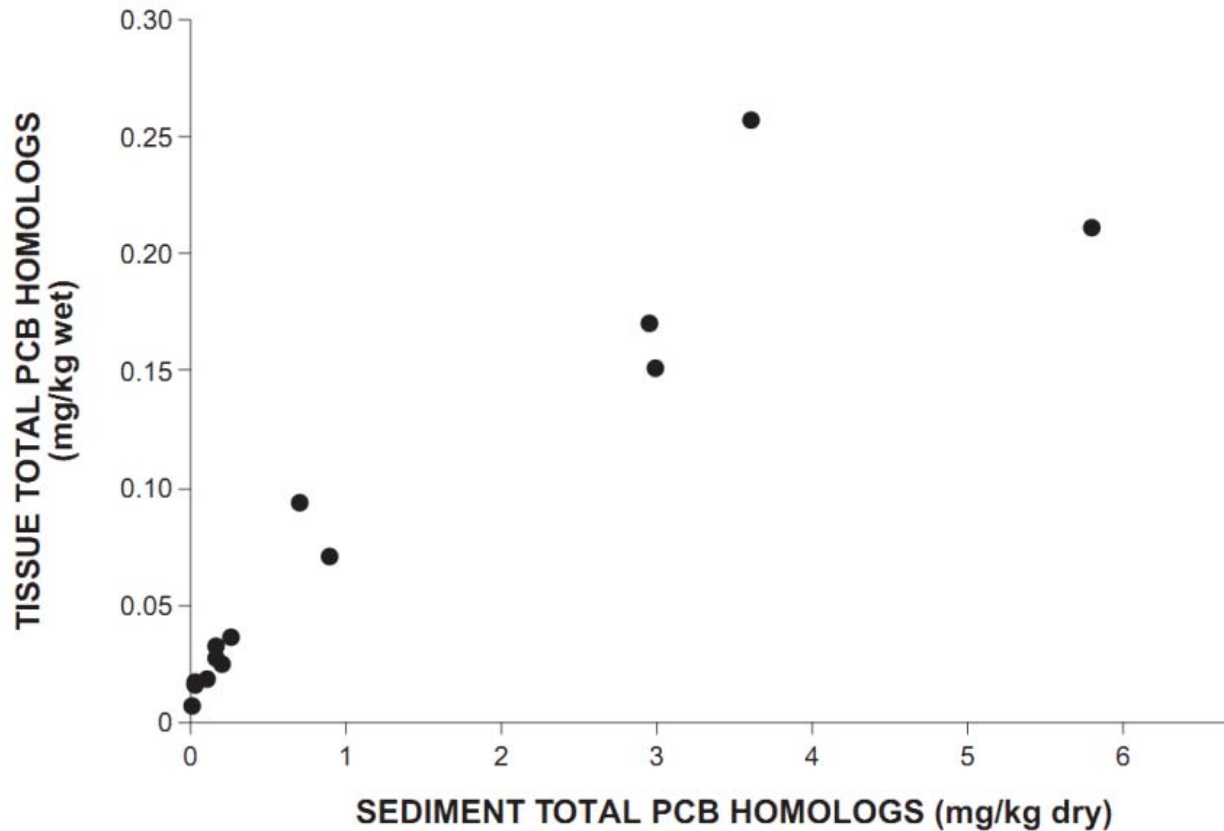
Exposure pathway conceptual model



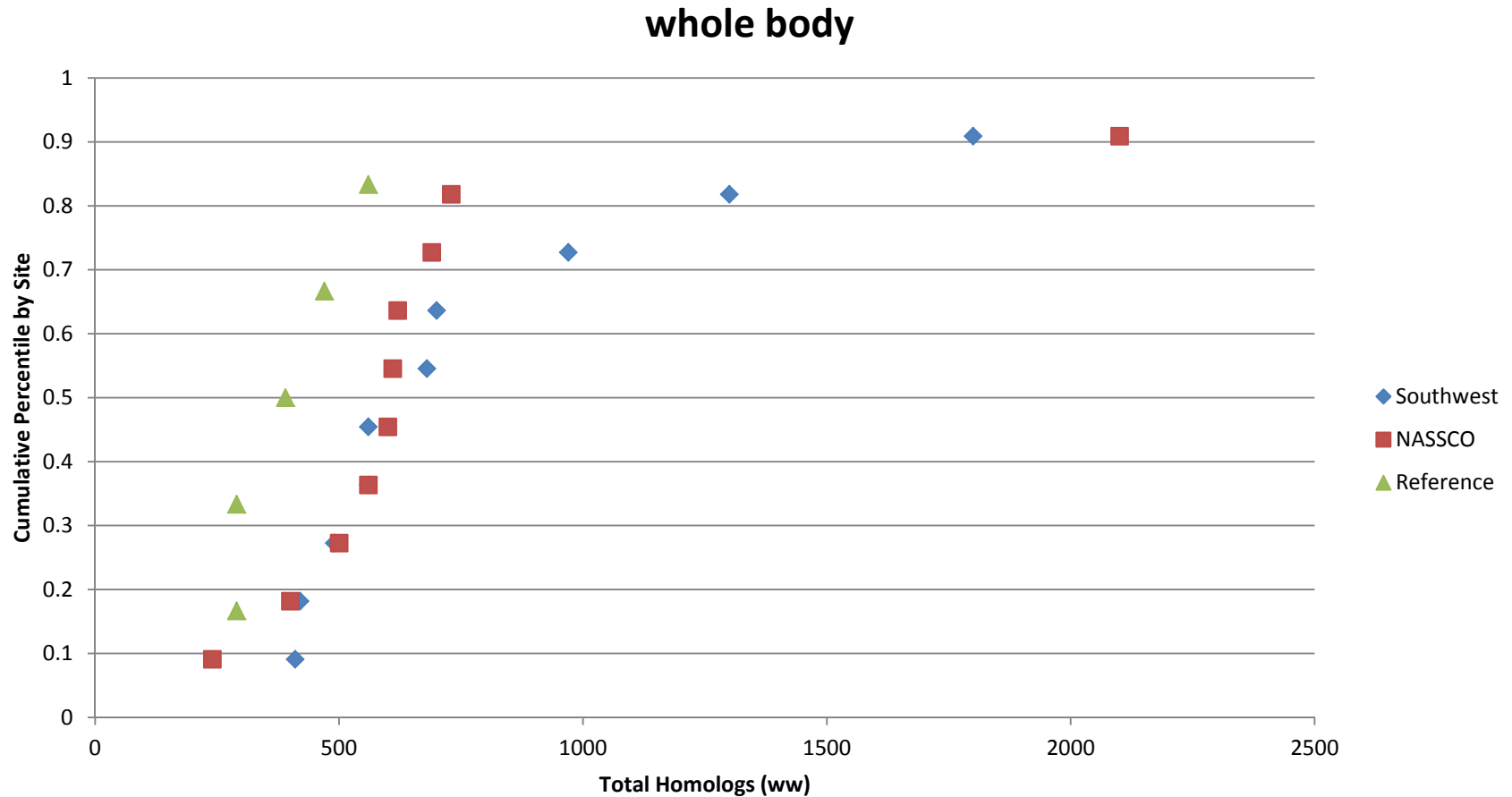
Shipyards sediment concentrations are high



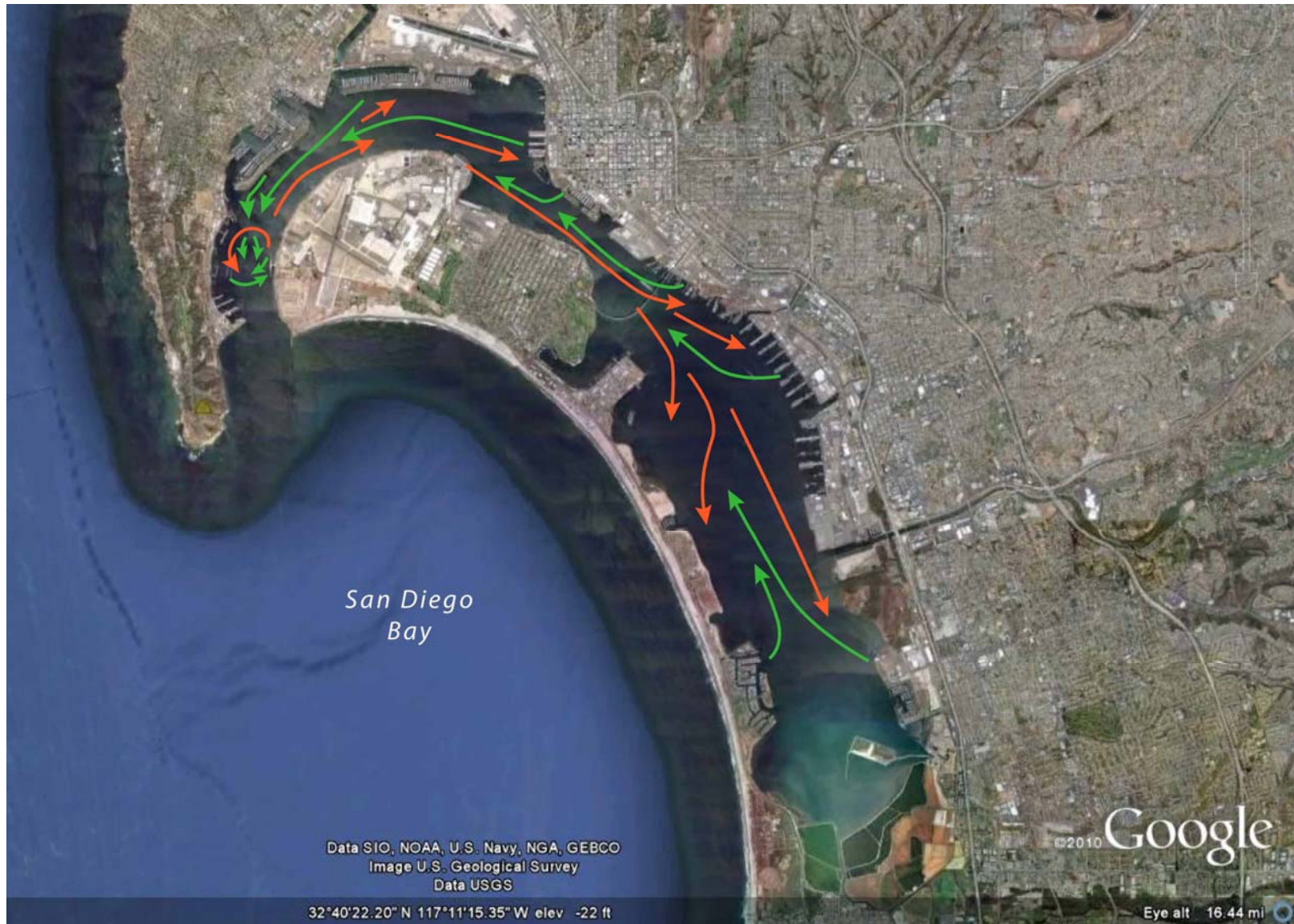
Shipyard chemicals can accumulate in aquatic animals



Fish tissue concentrations exceed concentrations in reference fish



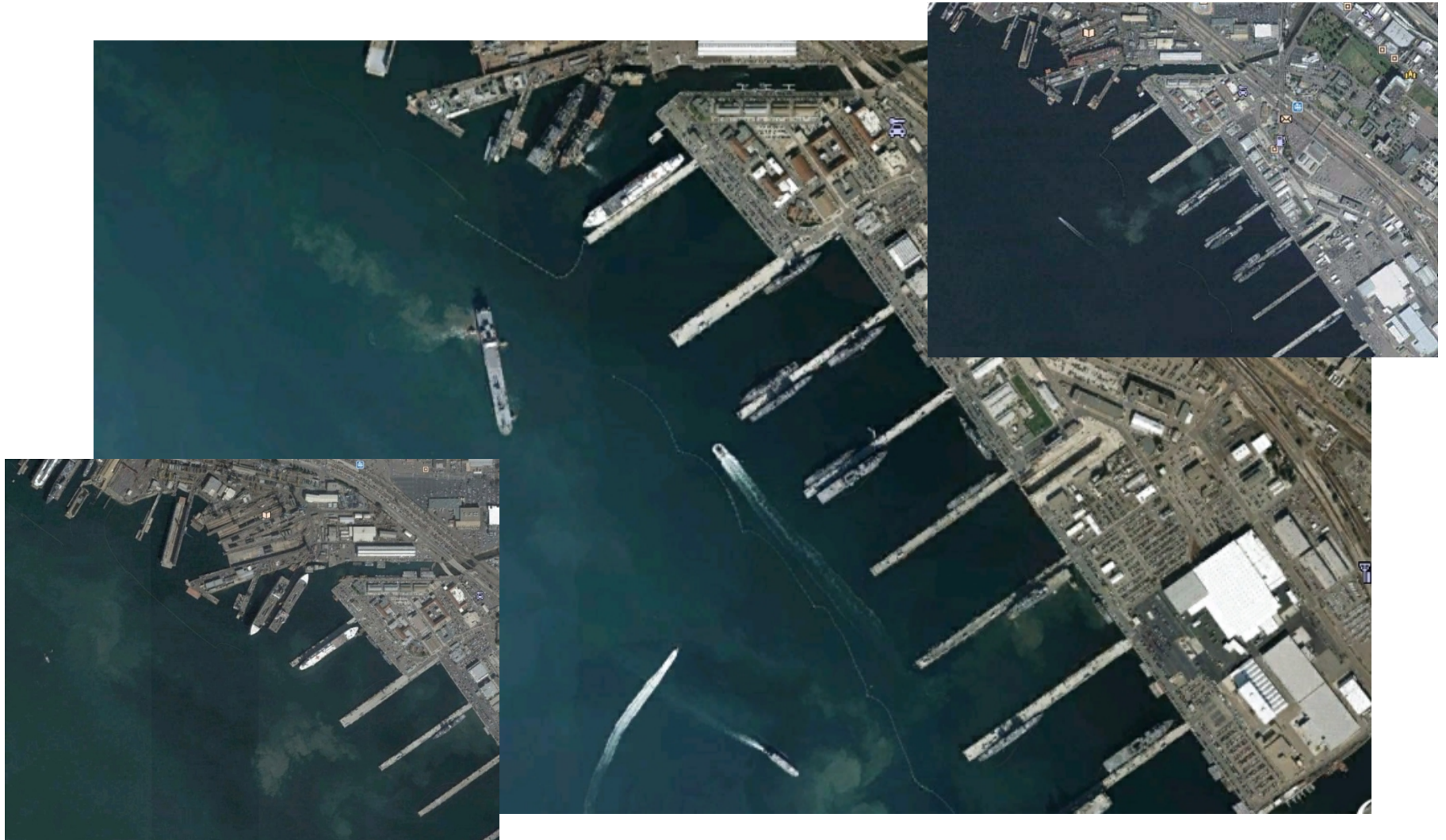
Spotted sand bass



Fisher interactions



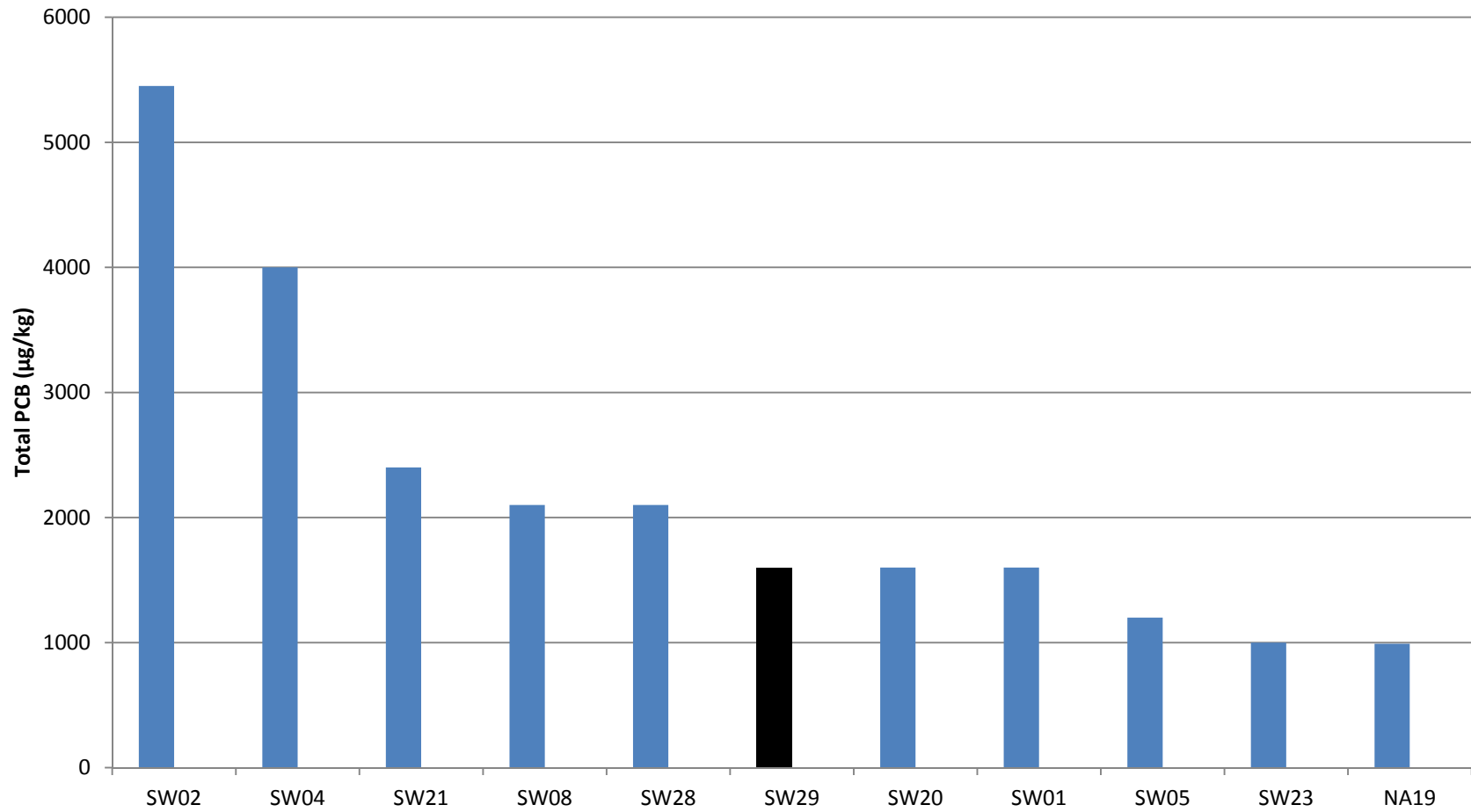
Sediment re-suspension with engine testing and docking



Polygon SW 29



Rank of SW 29



Incremental cleanups are important to preserving beneficial uses of the Bay

