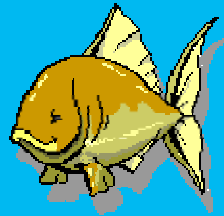


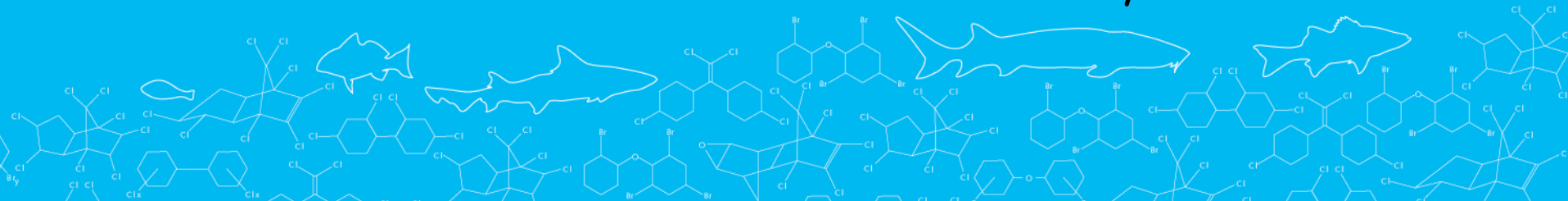
Contaminants in Bay Sport Fish, 2003



Jennifer Hunt, Ben K. Greenfield, Jay A. Davis
SFEI

Rusty Fairey, Marco Sigala, Cassandra Lamerdin, Autumn
Bonnema
Moss Landing Marine Laboratory

Dave Crane, Kathleen Regalado, Loc Nguyen
Water Pollution Control Laboratory



2003 Report Released



Designed by Linda Wanczyk

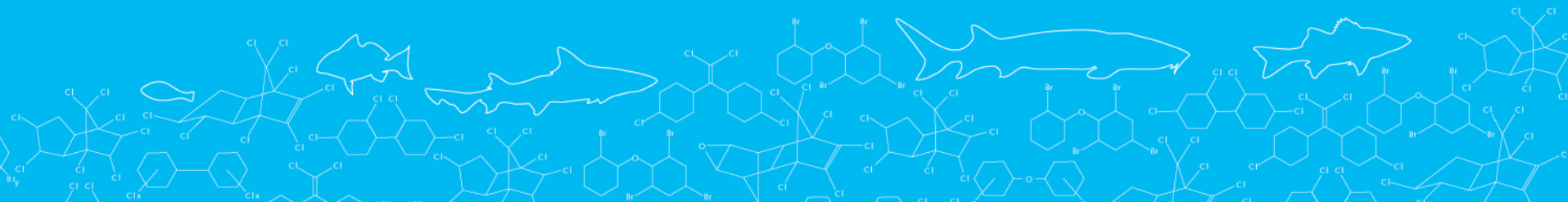
2003 Sampling Locations





Fish Monitoring

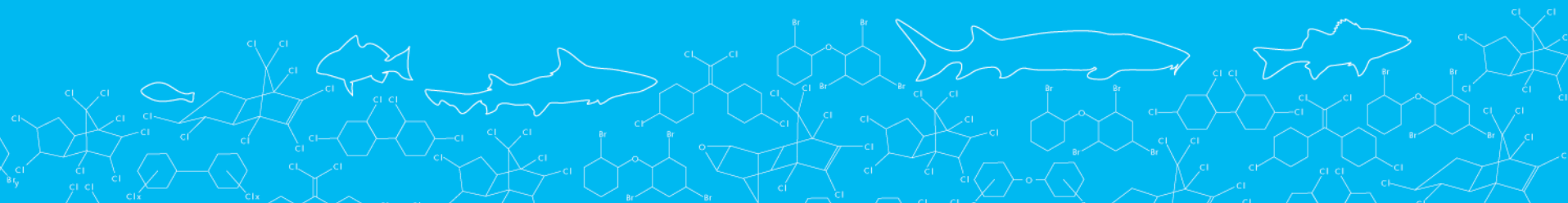
- Began in 1994
- 7 species for trends analysis
- Legacy and emerging contaminants
- Why is there concern?
 - Human Health
 - Wildlife Health





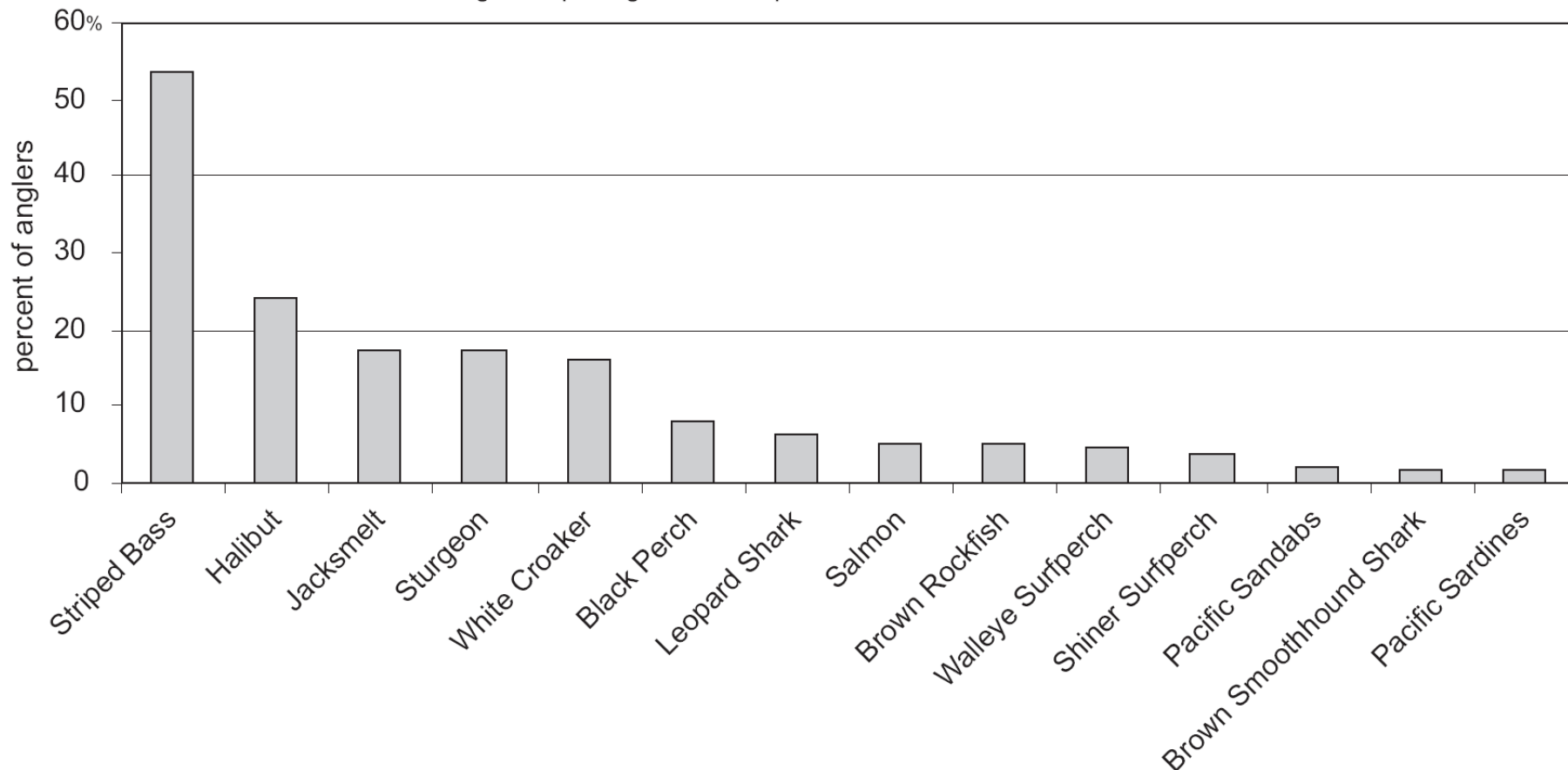
Who Utilizes RMP Data?

- Water Board assessment of Bay Impairment
- OEHHA Consumption Advisories
- Department of Health Services - Risk Communication



Bay fish species consumed by anglers with recent fish consumption

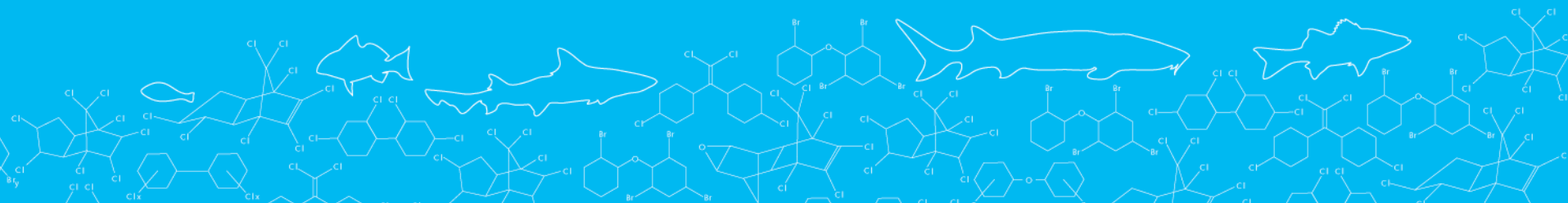
Anglers reporting no consumption in last 4 weeks not included



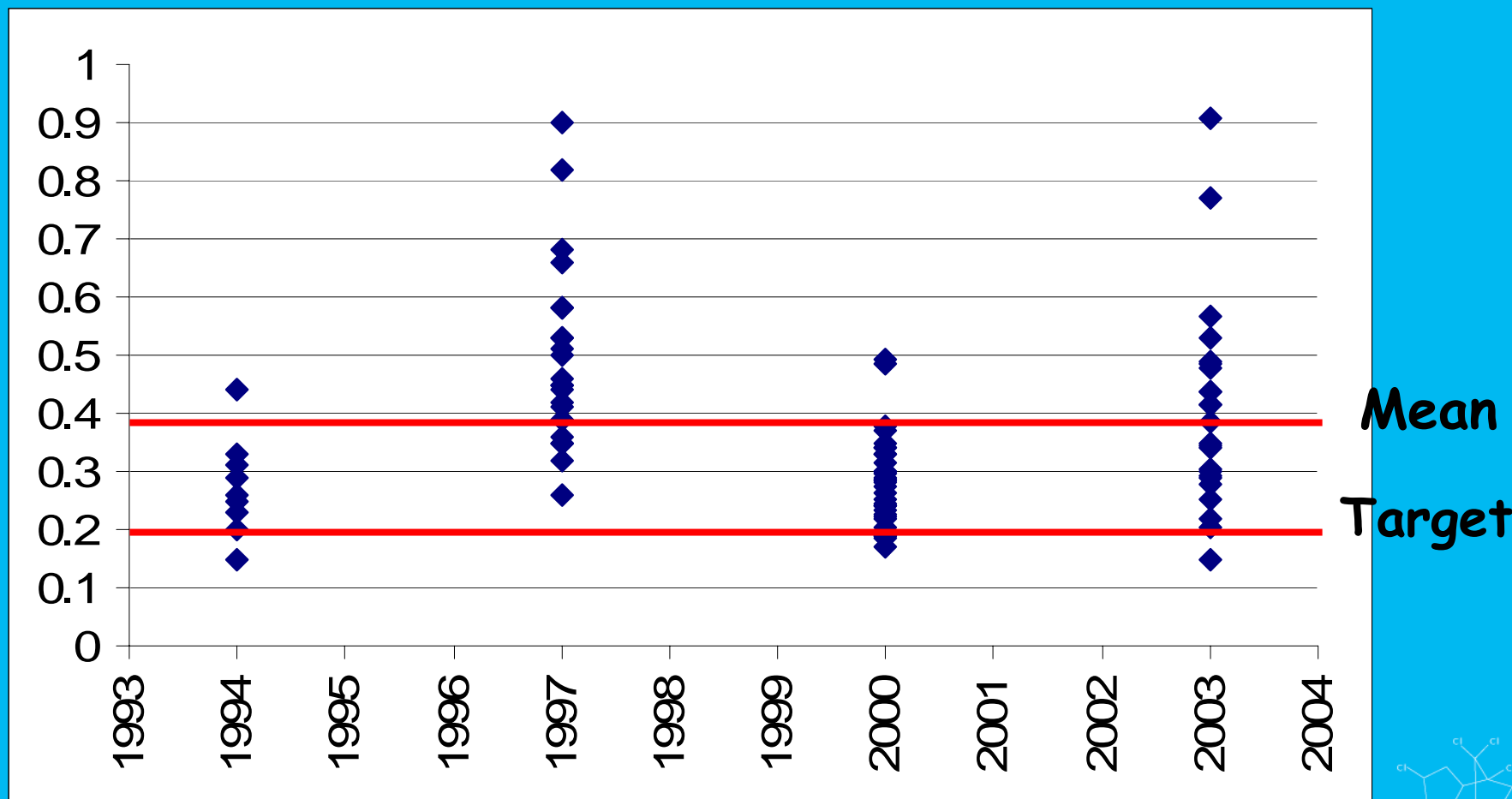
From The San Francisco Bay Seafood Consumption Study—Public Summary

Current Tissue Guidelines

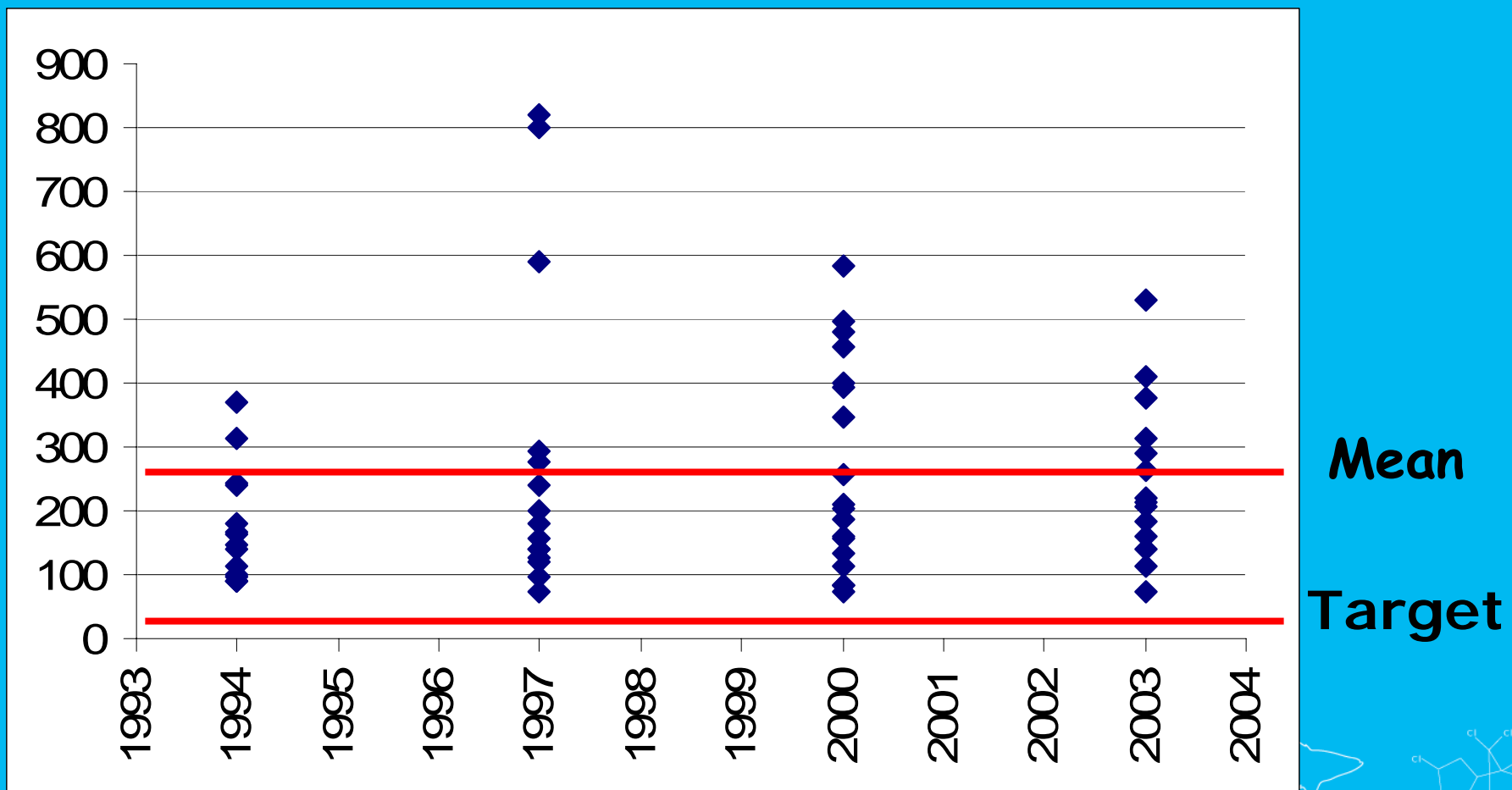
	Aroclors ppb	Mercury ppm	DDT ppb	Chlordane ppb	Dieldrin ppb
OEHHA Screening Value	20	0.3	100	30	2
Water Board TMDL	10	0.2			



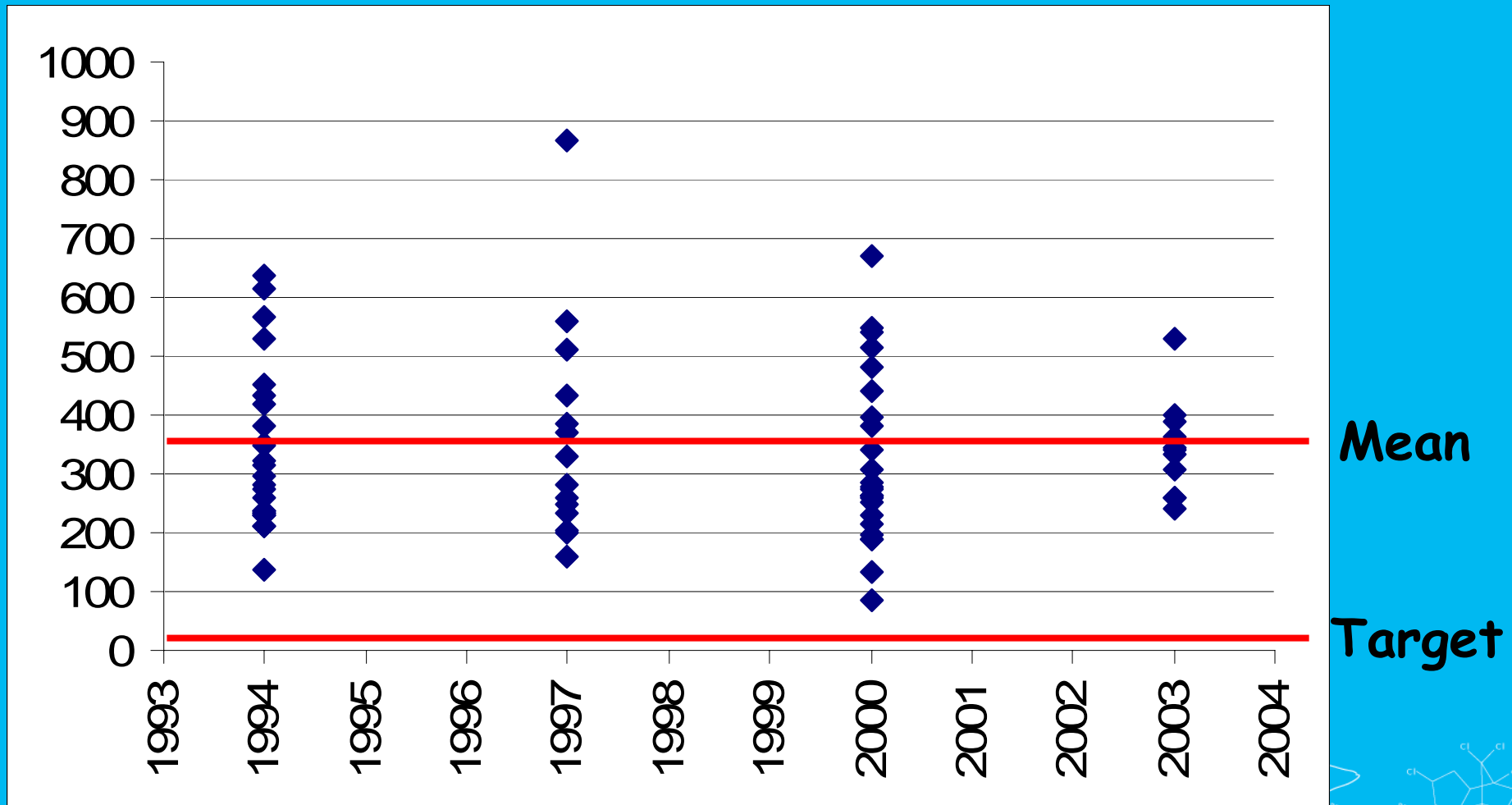
Striped Bass Mercury



Shiner Surfperch PCBs



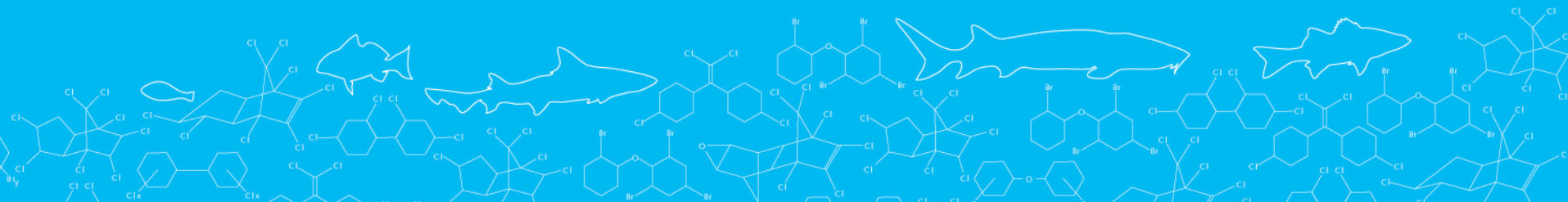
White Croaker PCBs



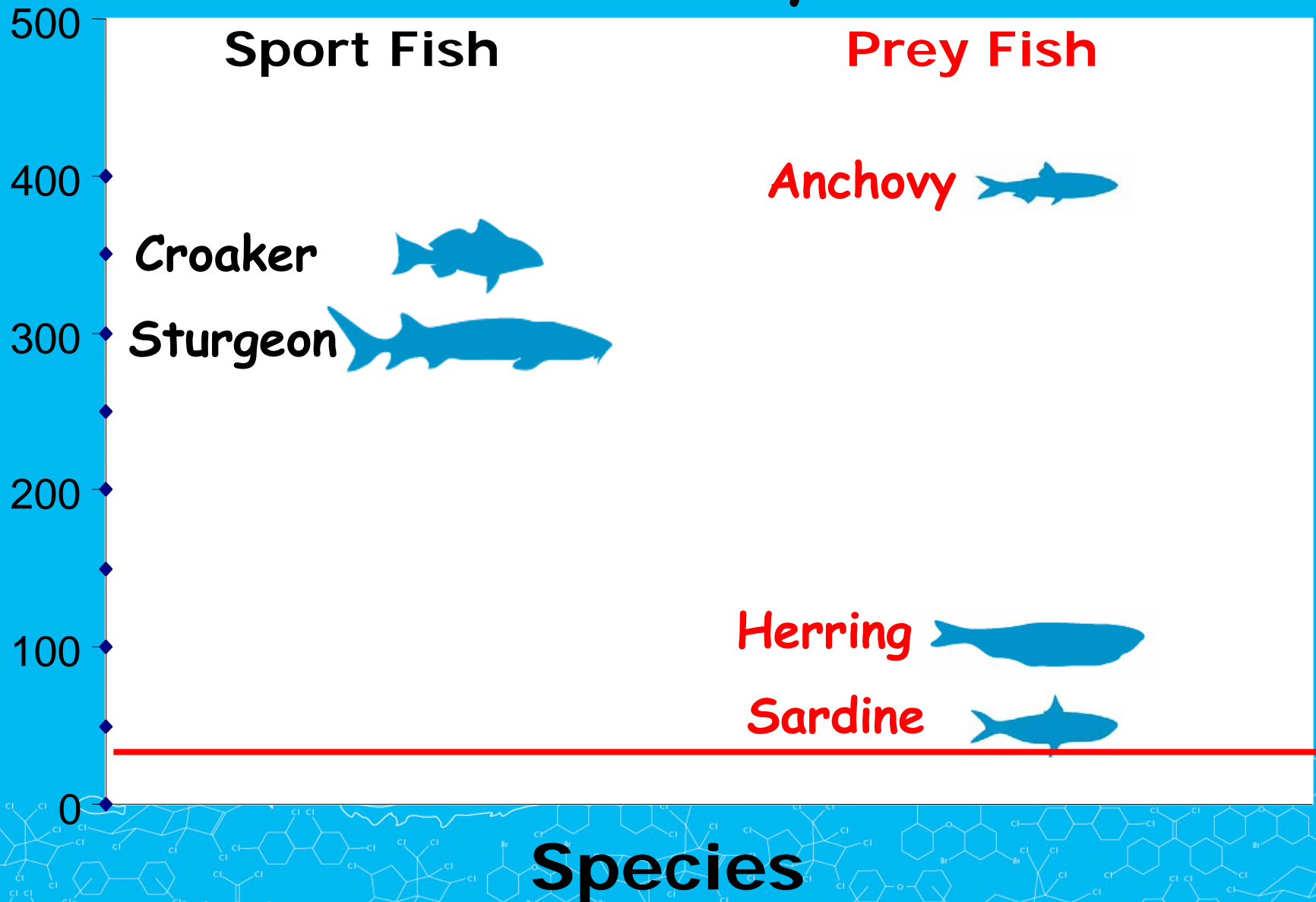
2003 Results

Human Health

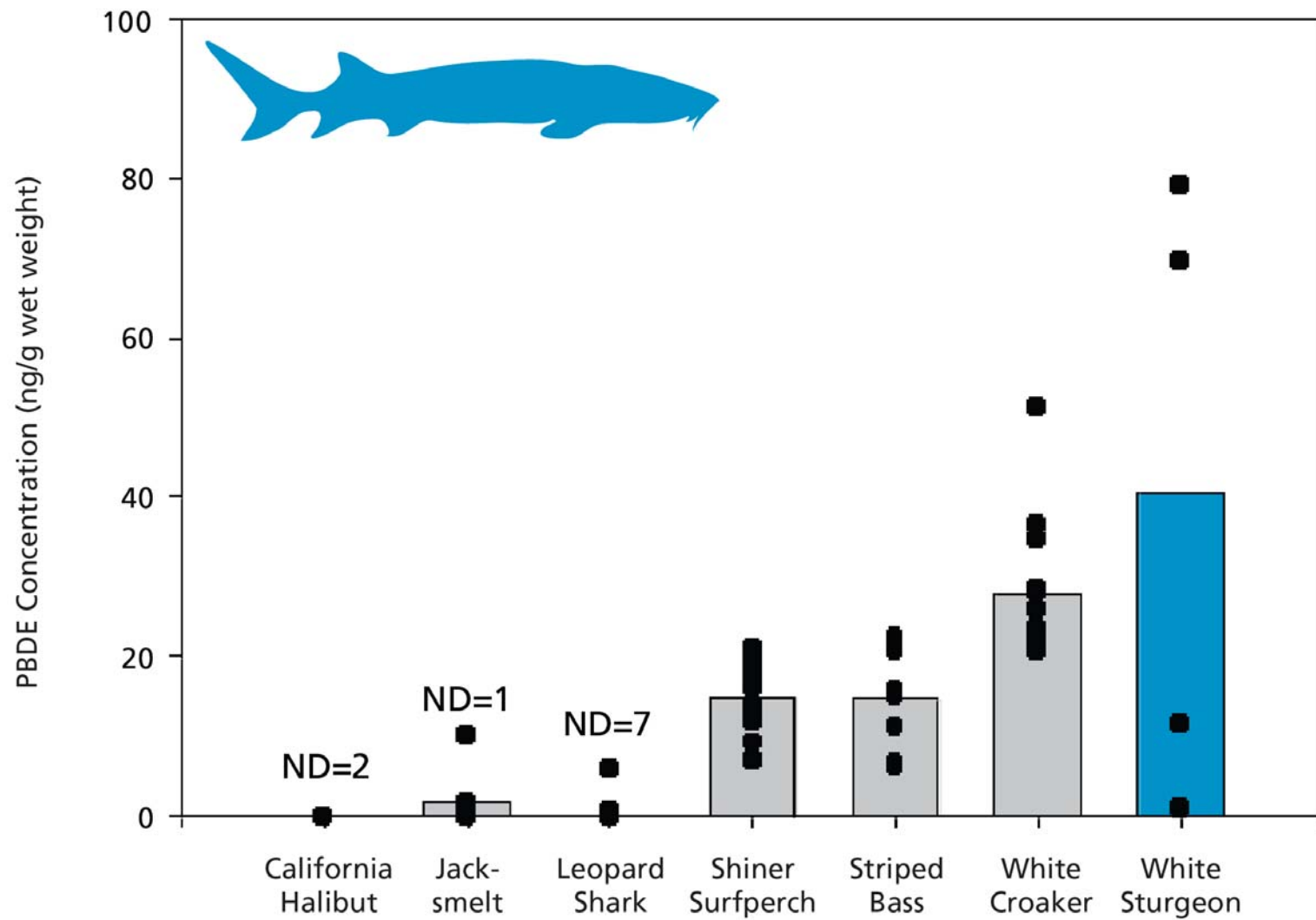
- All trends species < SV for chlordanes
- Only 1 sample > DDT SV
- 15% of trends species > dieldrin SV
- 69% of trends species > Hg TMDL Target
- 86% of trends species > PCB TMDL Target



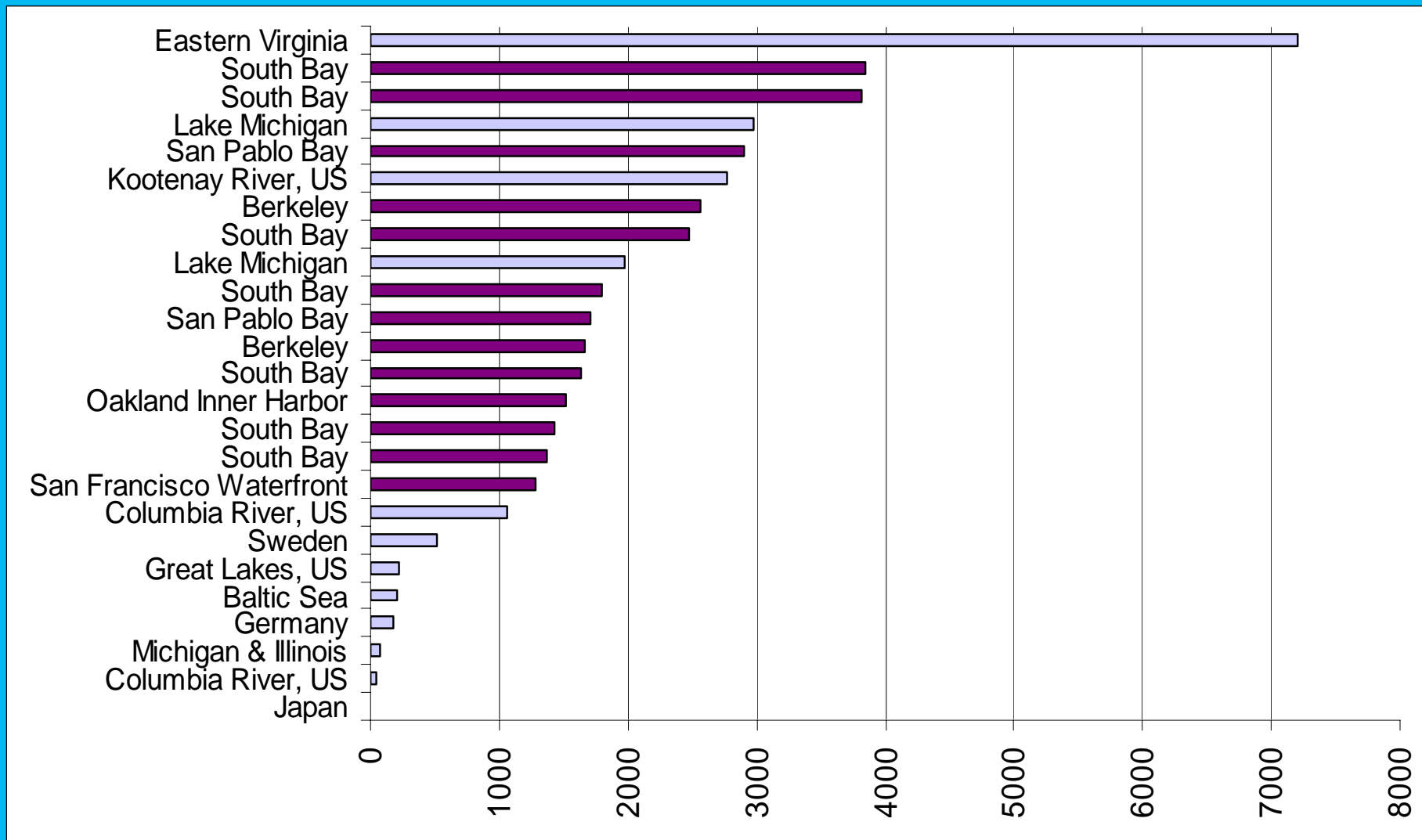
PCBs in Prey Fish



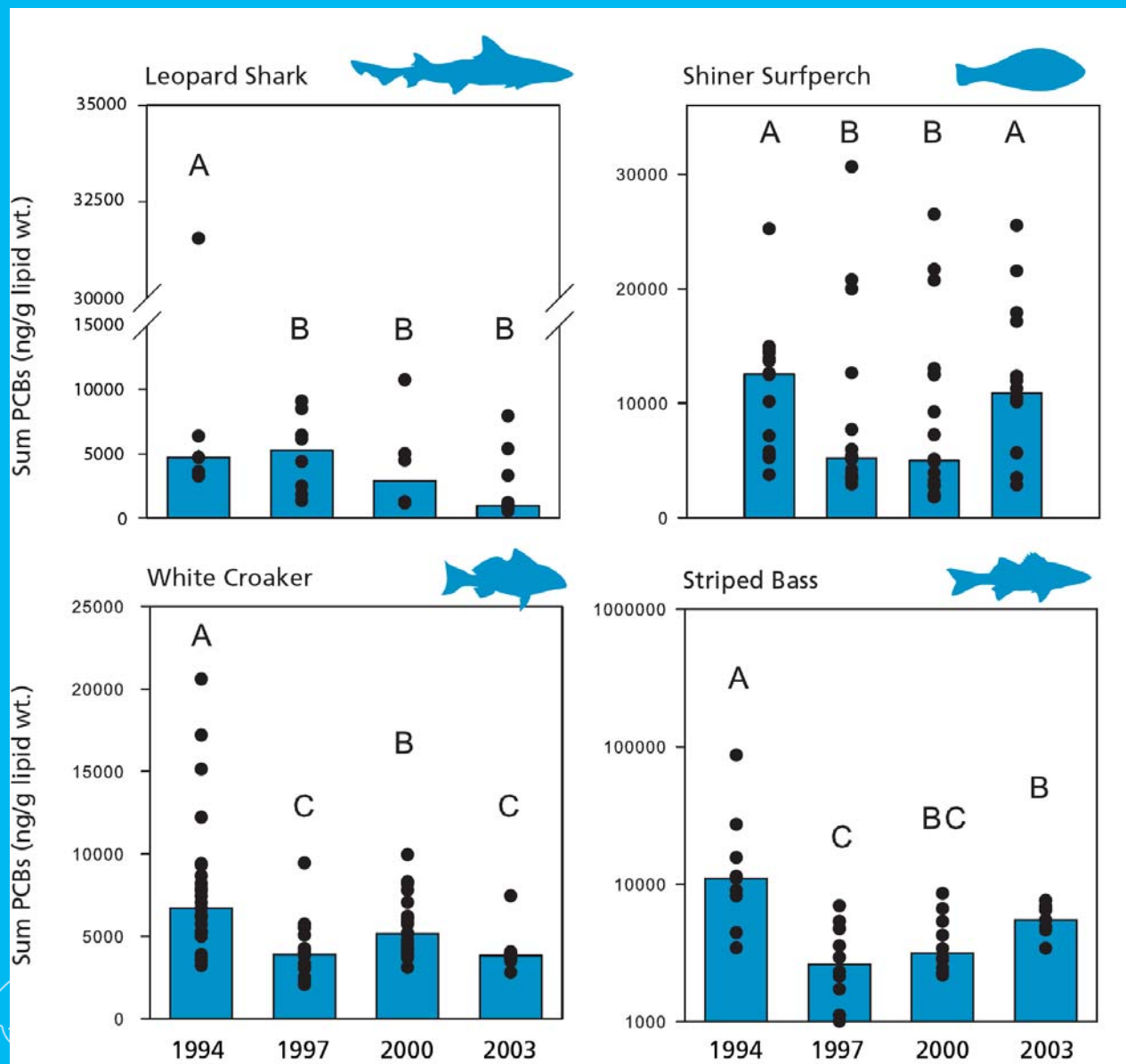
PBDEs



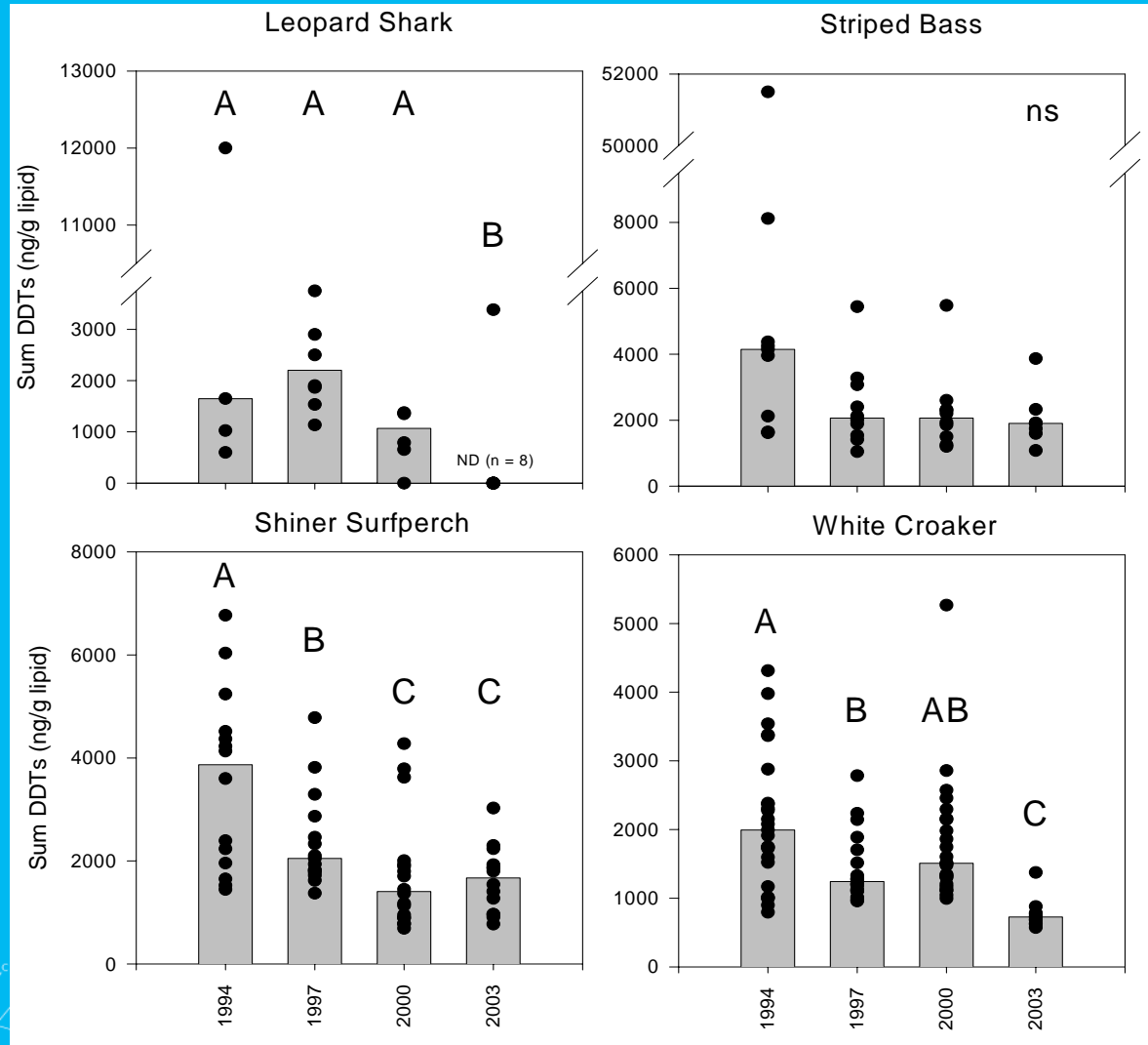
Global PBDEs in Fish



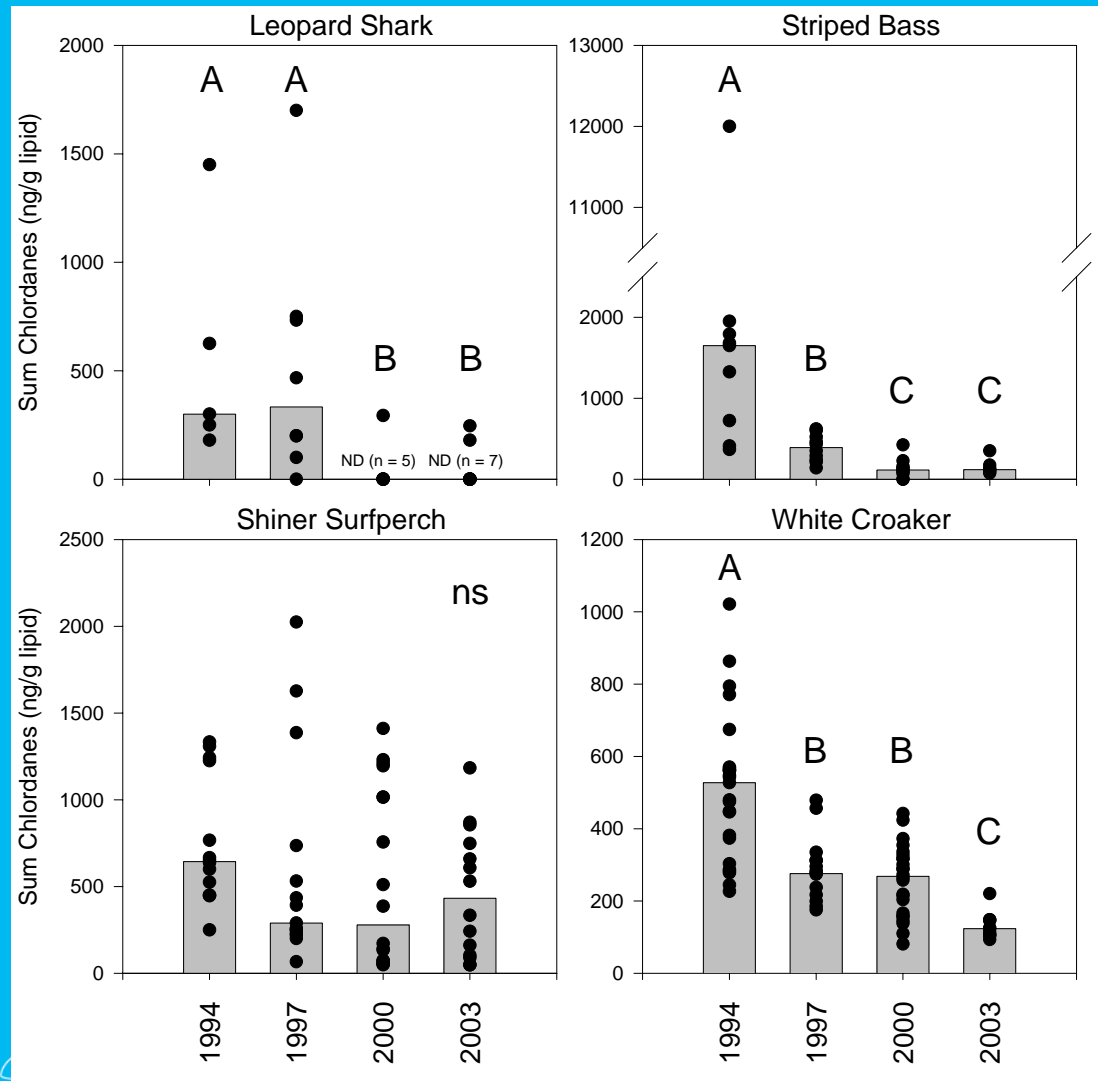
PCBs, Lipid Weight



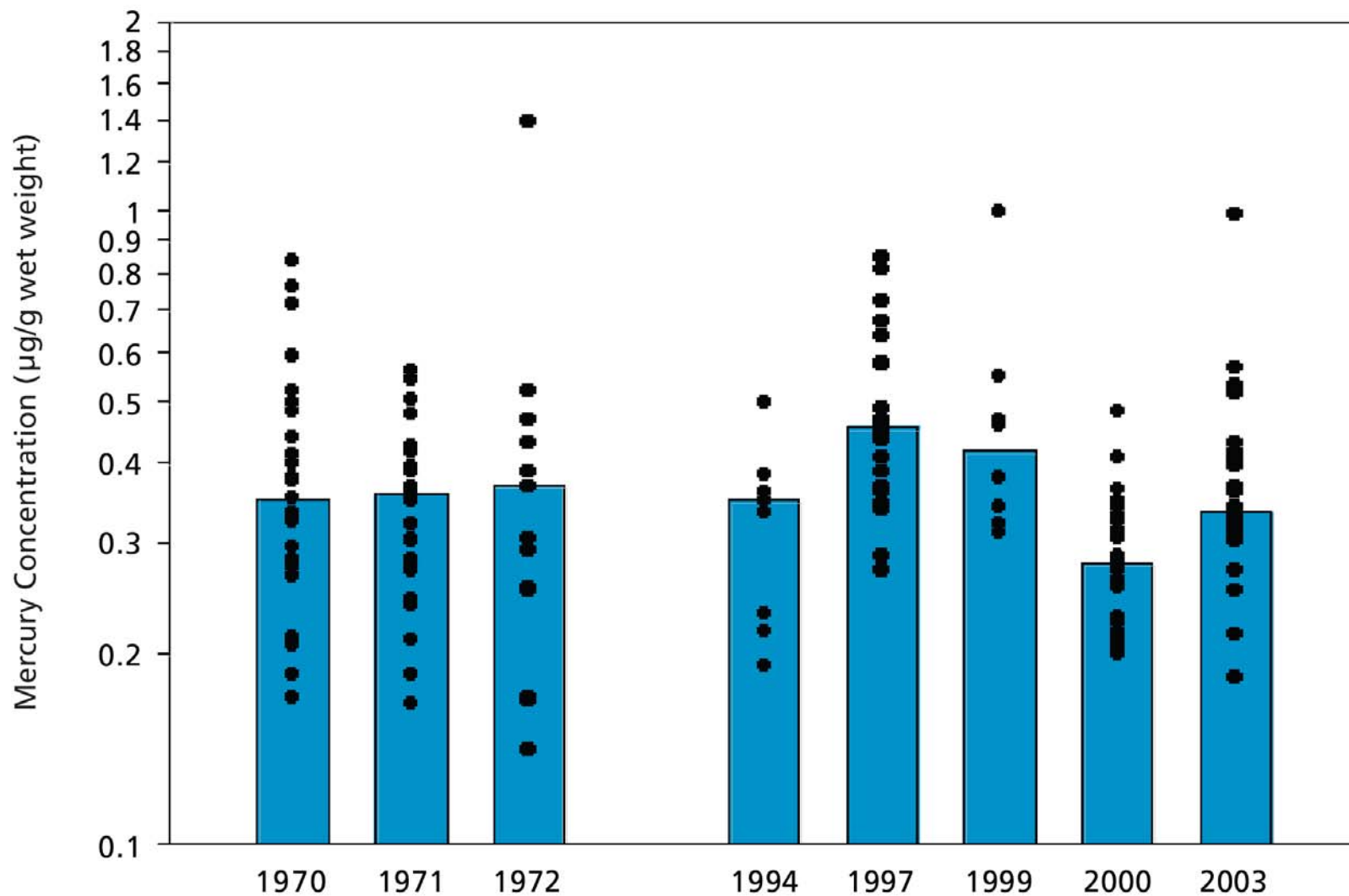
DDTs Lipid Weight



Chlordanes Lipid Weight

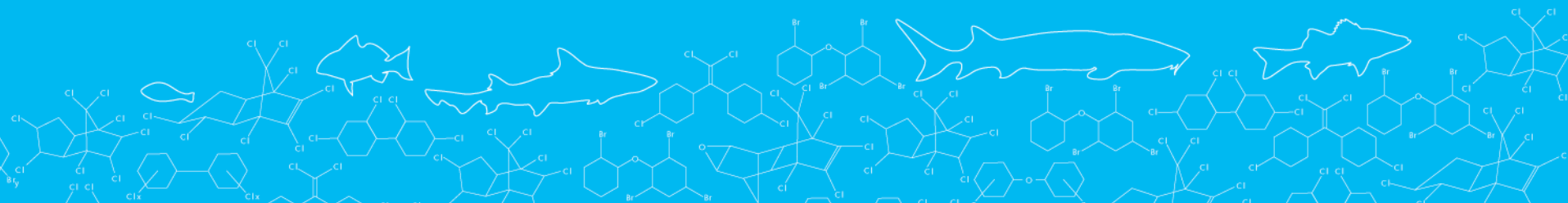


Hg in Striped Bass



Trends Summary

- Evidence of decline in DDTs & Chlordanes in some fish species
- High variability in PCB data
- No long-term trend in striped bass Hg



2006 Fish Monitoring

- MLML currently sampling for 2006
- Coordinating with Region 2 TMDLs
- Continue to analyze PBDEs



For more information please take a copy
of our 2003 report OR contact me at
jennifer@sfei.org

