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Status Update of PCB Monitoring Information in the Great Lakes

BTS – PCB Workgroup

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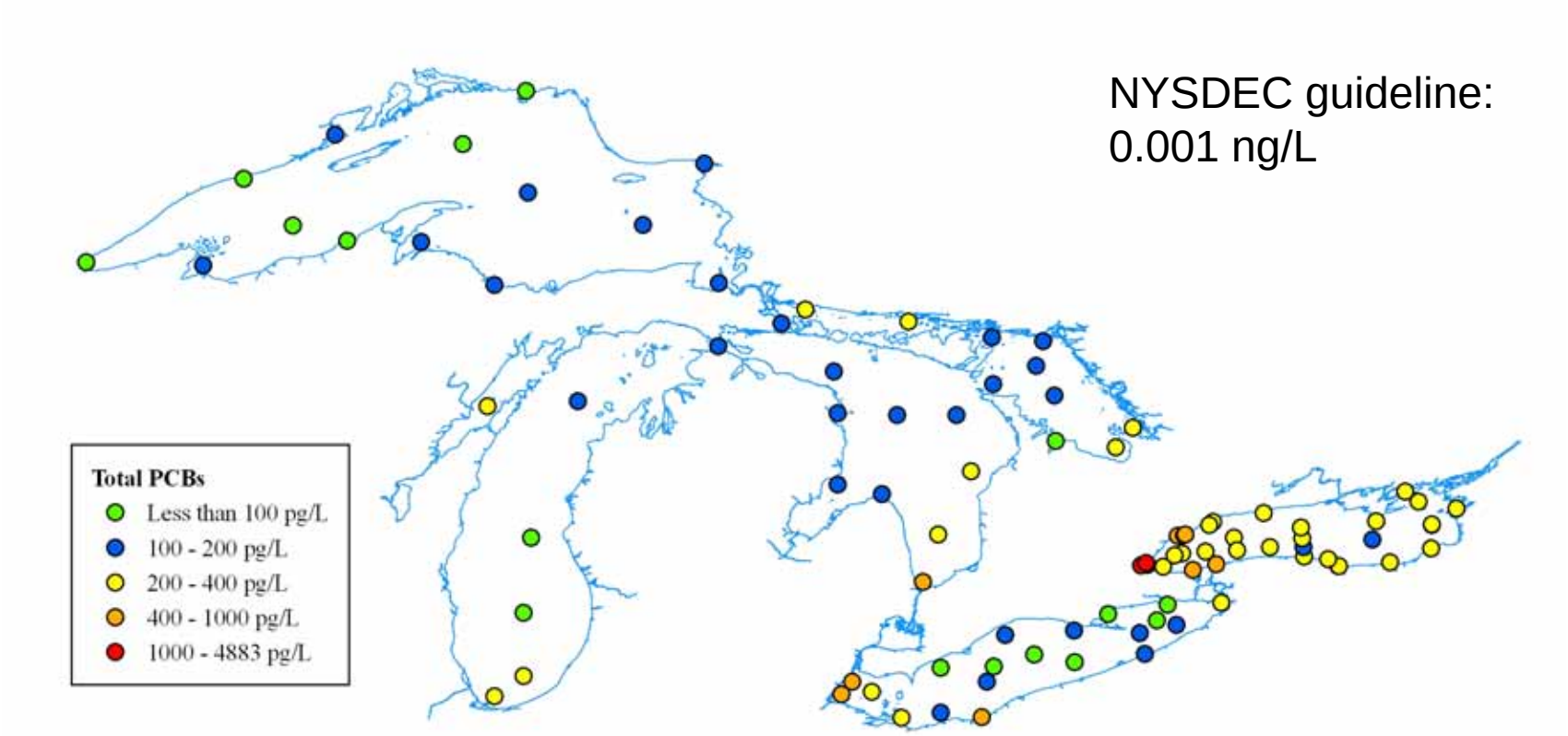
Water Quality Monitoring & Surveillance

June 3, 2008

Ontario

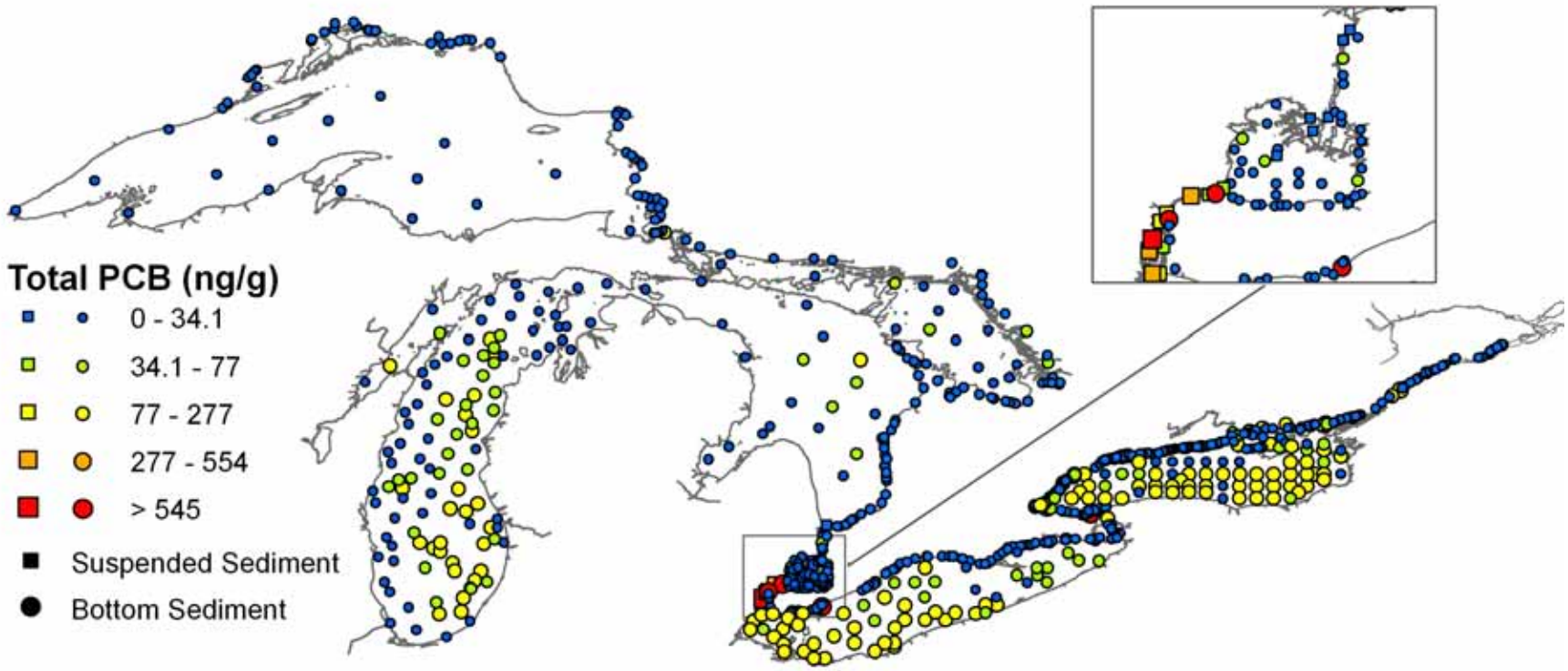
Monitoring Programs, Environment Canada
Water Quality Monitoring and Surveillance, Ontario

Total PCBs in Great Lakes Water



NYSDEC guideline:
0.001 ng/L

Total PCBs in Bottom Sediments



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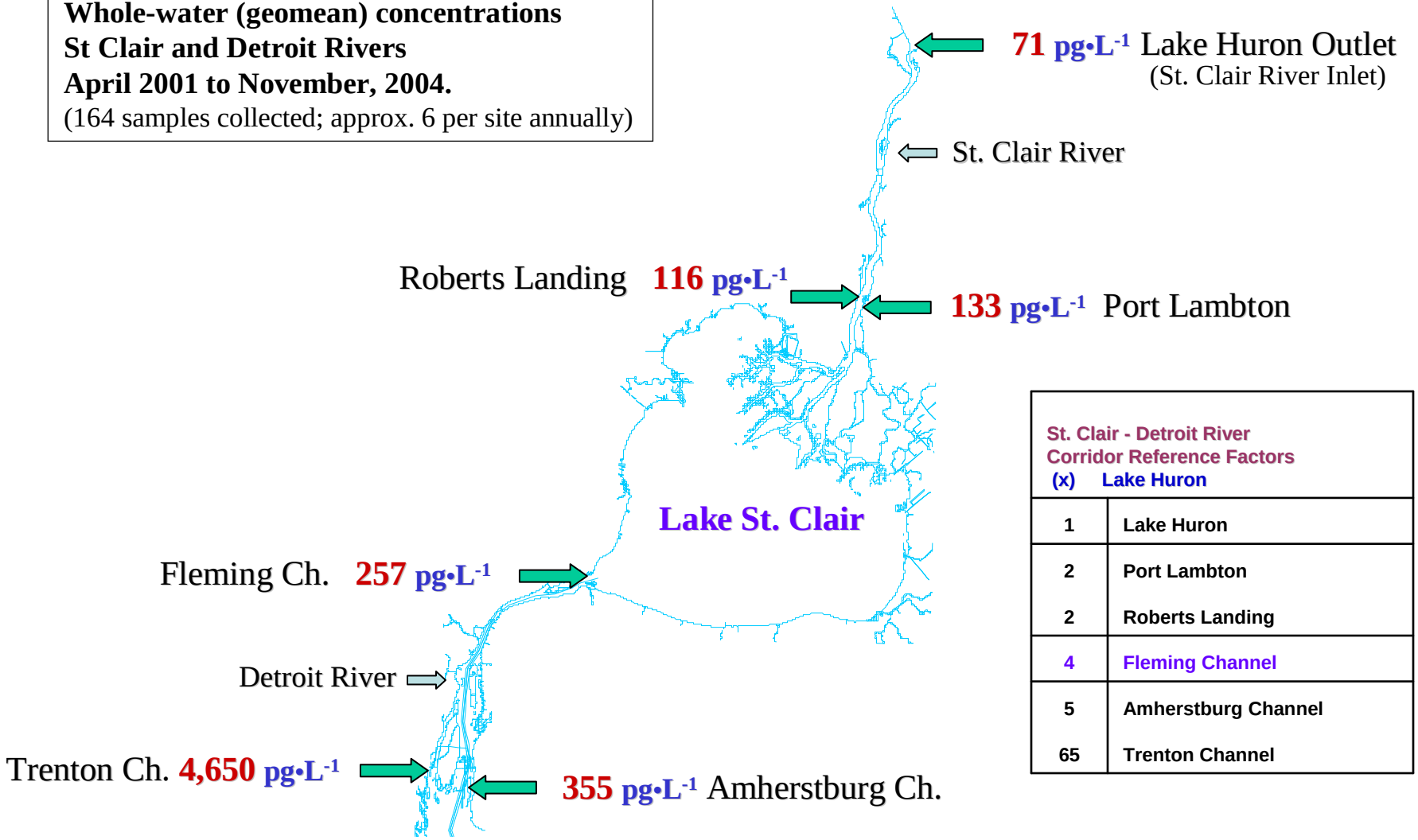
Total PCBs

Analyses : AXYS Analytical

Whole-water (geomean) concentrations
St Clair and Detroit Rivers
April 2001 to November, 2004.
(164 samples collected; approx. 6 per site annually)



St. Clair - Detroit River Corridor Reference Factors (x) Lake Huron	
1	Lake Huron
2	Port Lambton
2	Roberts Landing
4	Fleming Channel
5	Amherstburg Channel
65	Trenton Channel

MDEQ, Wildlife Value: 120 pg•L-1 Human Cancer Value (Drink) 26 pg•L-1

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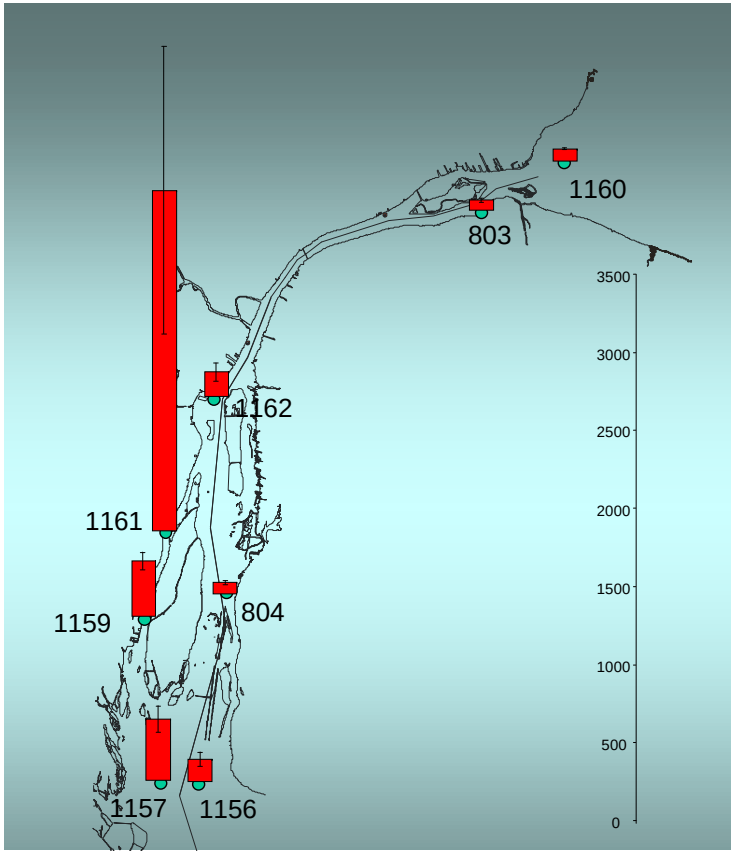
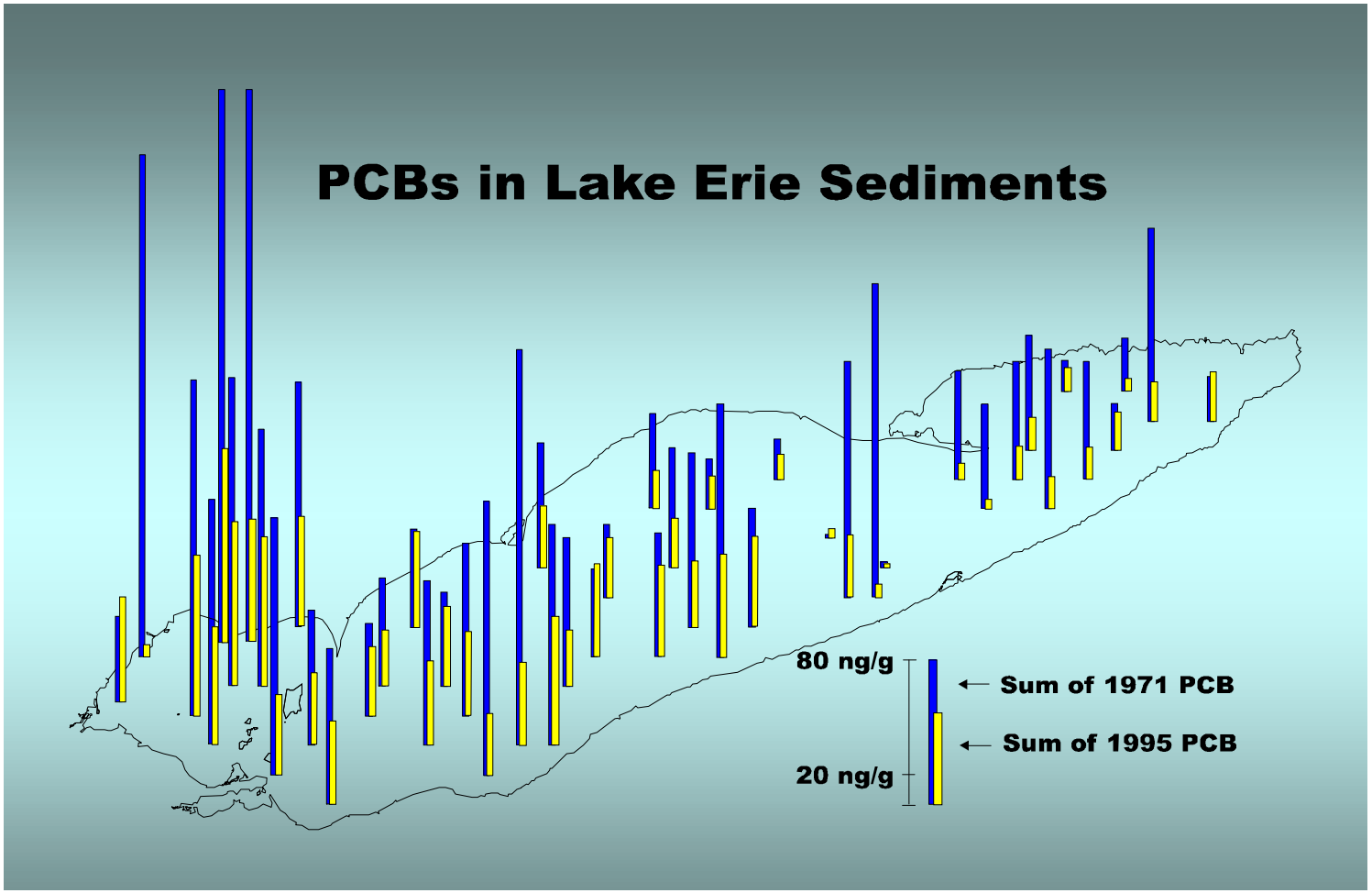
Total PCBs in Suspended Sediment (1999)

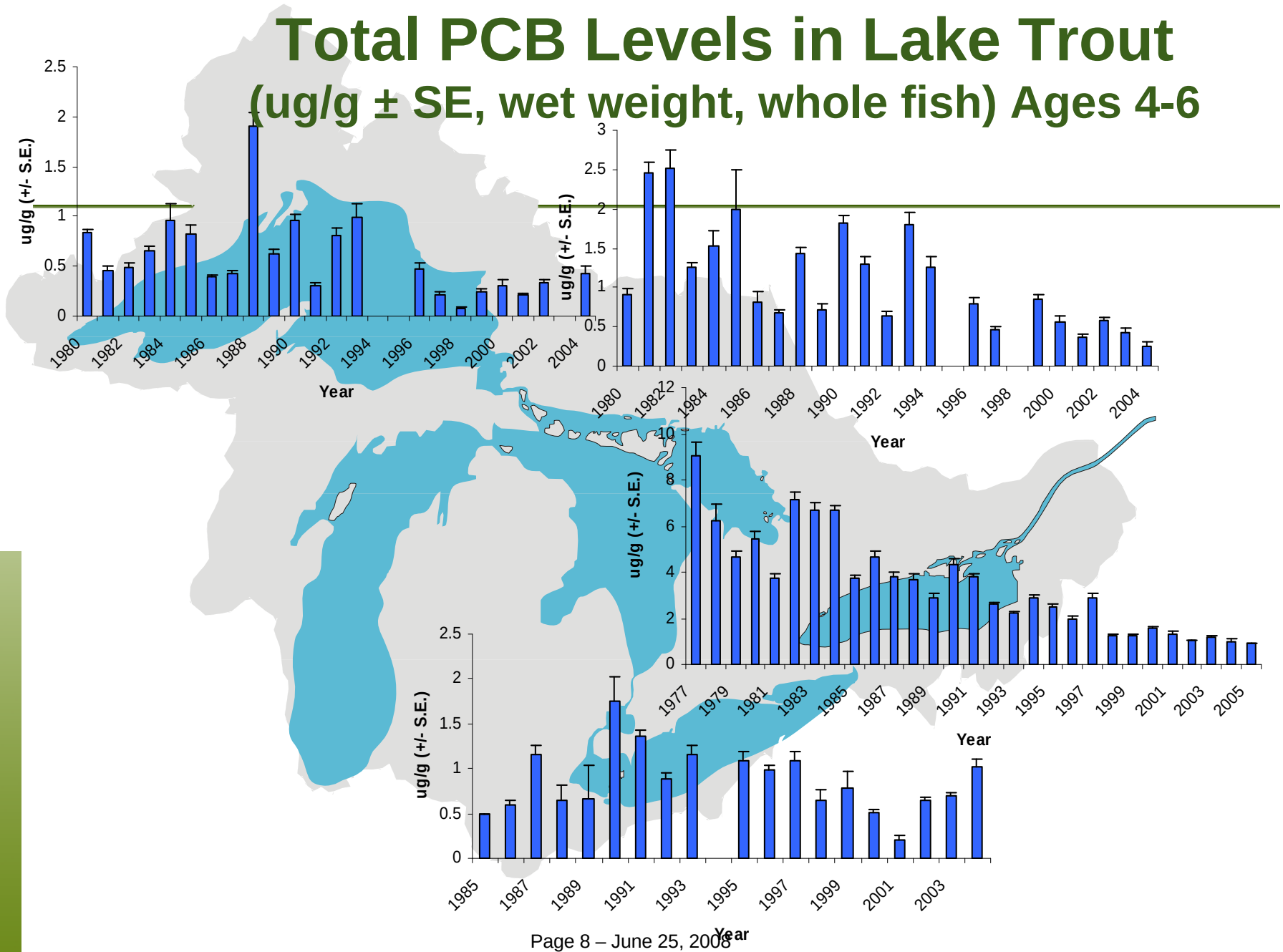


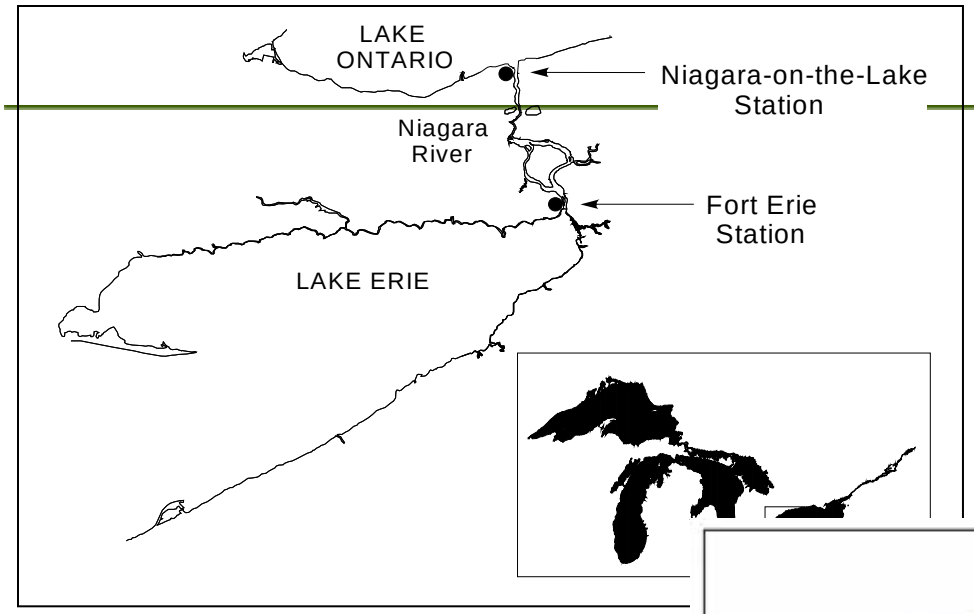
Temporal Trend in Bottom Sediments

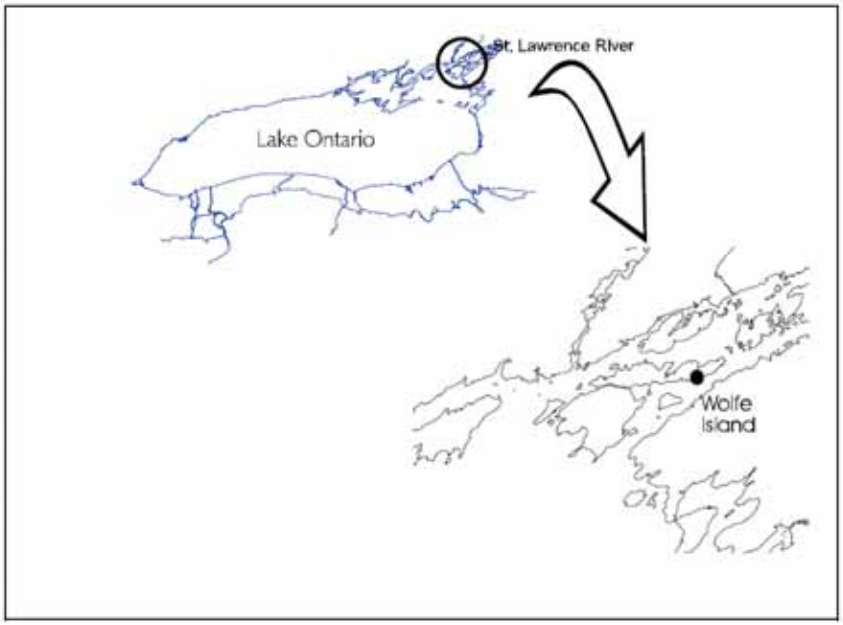


Total PCB Levels in Lake Trout

(ug/g ± SE, wet weight, whole fish) Ages 4-6







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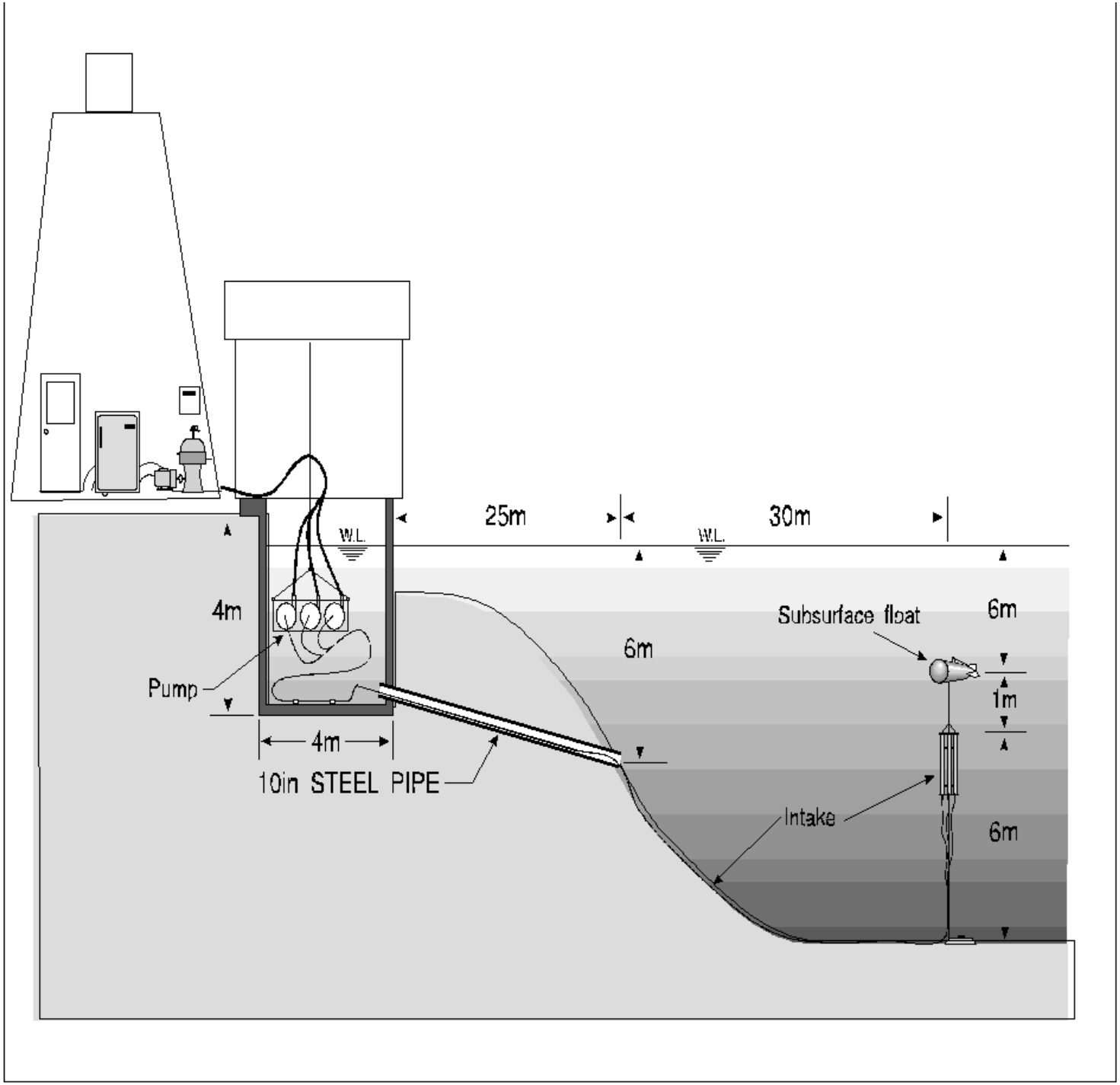

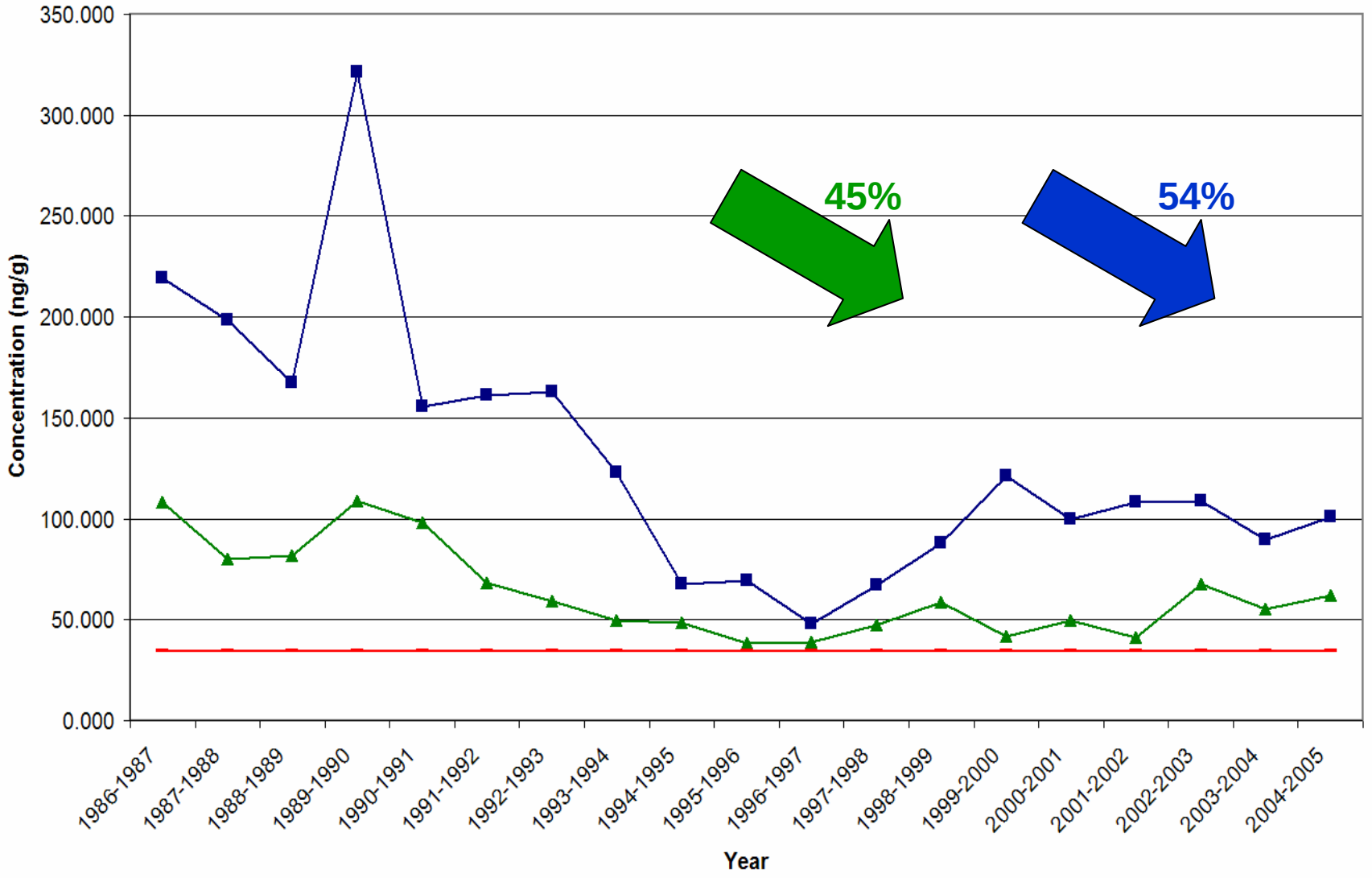

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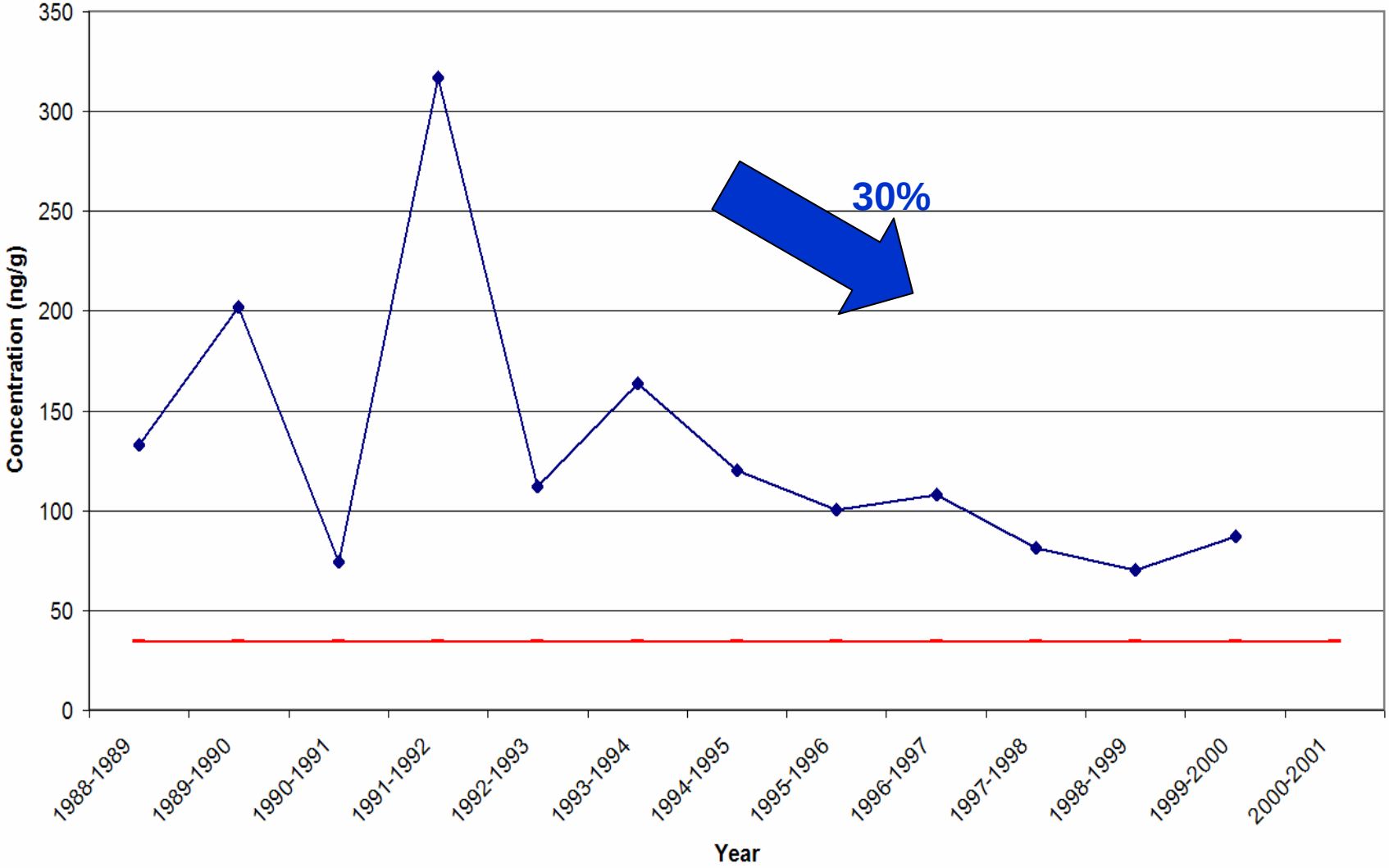

PCBs in Suspended Sediments