



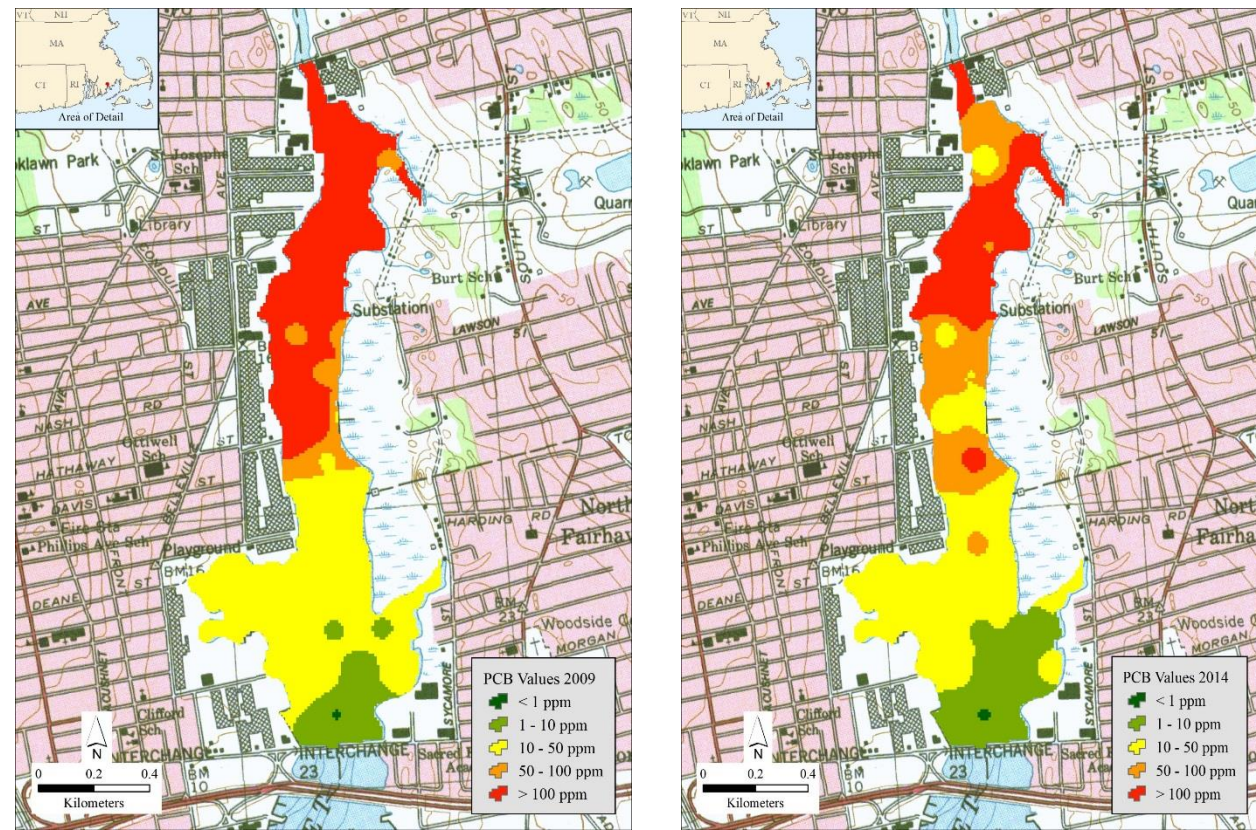
New Bedford Harbor Long Term Monitoring Program: 2014 Collection

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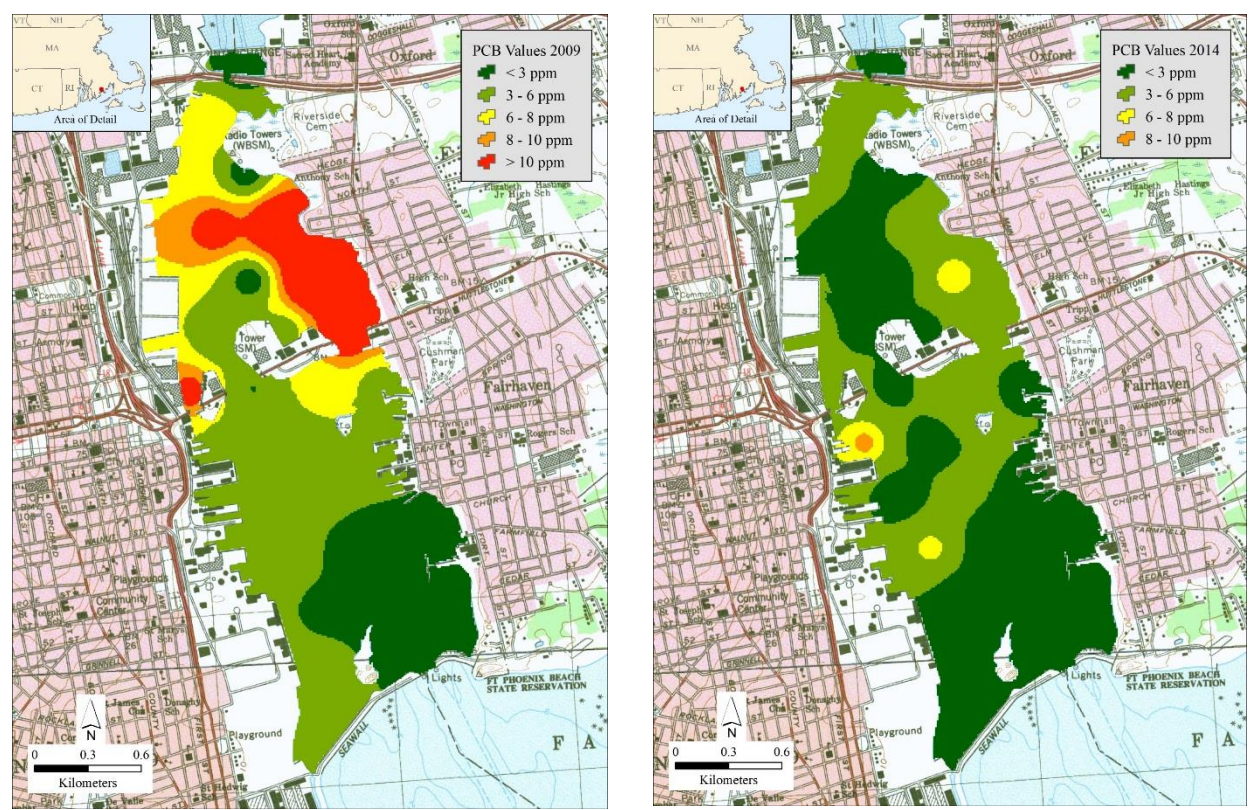
Chemical Data: PCB concentration comparison 2009 vs 2014

2009

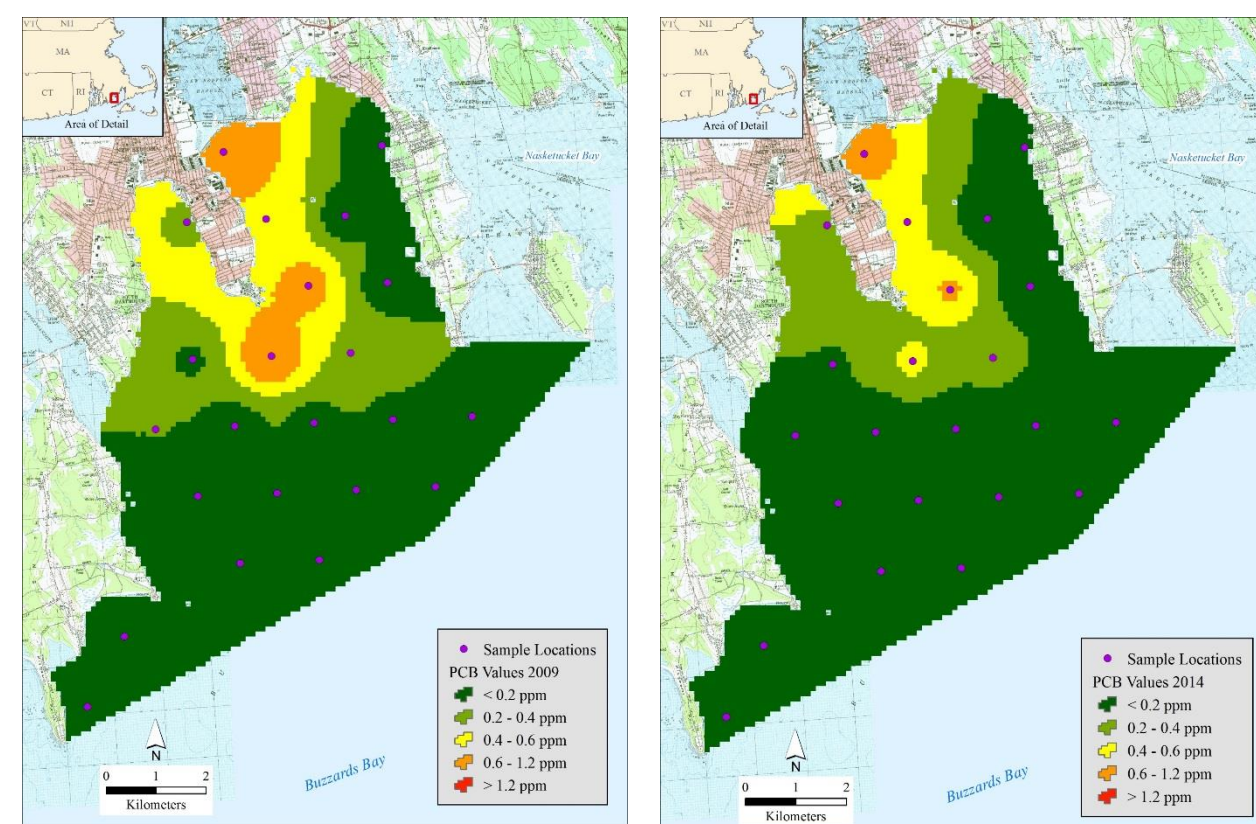
2014



Upper Harbor:
Average concentration similar (7 stations decreased, 4 increased),
Percent of surface area below 10 ppm increased



Lower Harbor:
Average concentration decreased (21 of 29 stations with lower PCBs),
Percent of surface area > 10 ppm decreased to 0

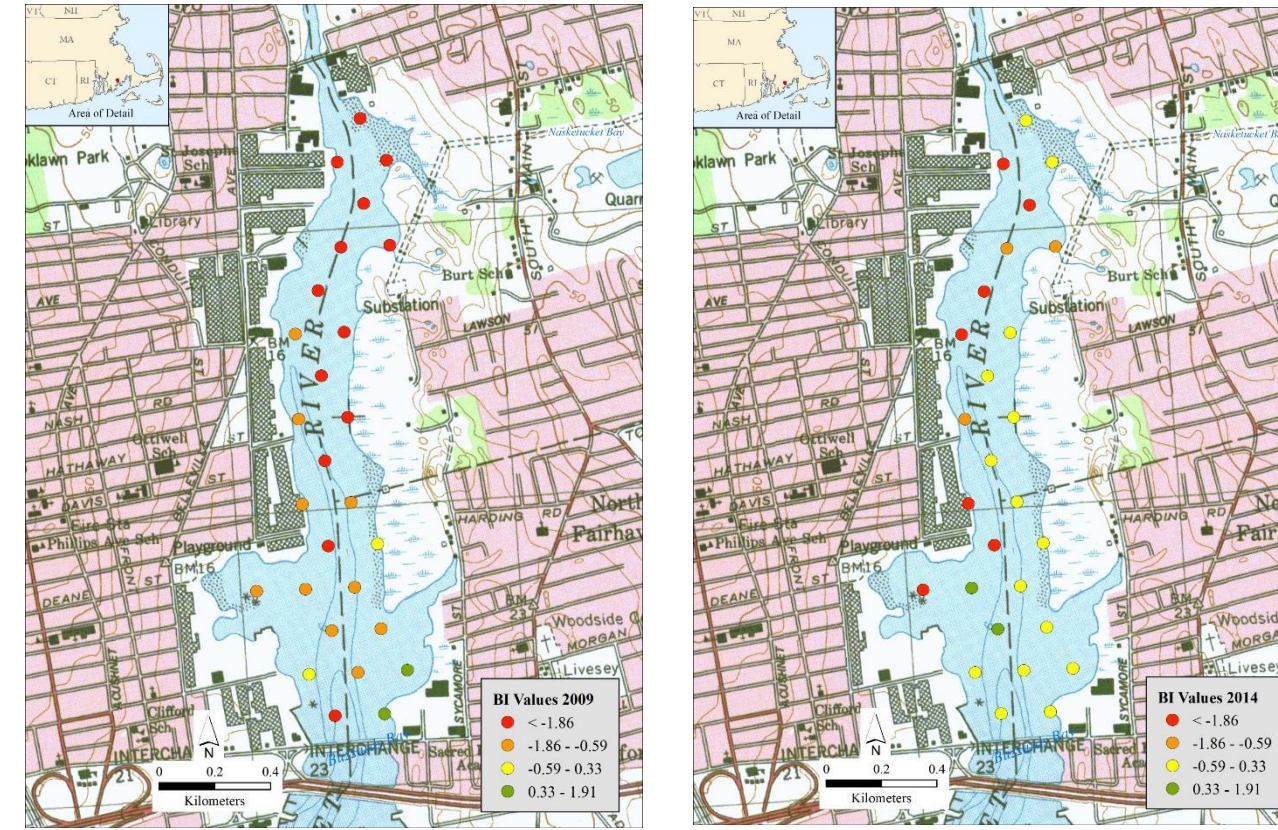


Outer Harbor:
Average concentration similar (20 of 23 stations with lower PCBs),
Percent of surface area > 1 ppm decreased to 0

Biological Data: EMAP Benthic Index comparison 2009 vs 2014

2009

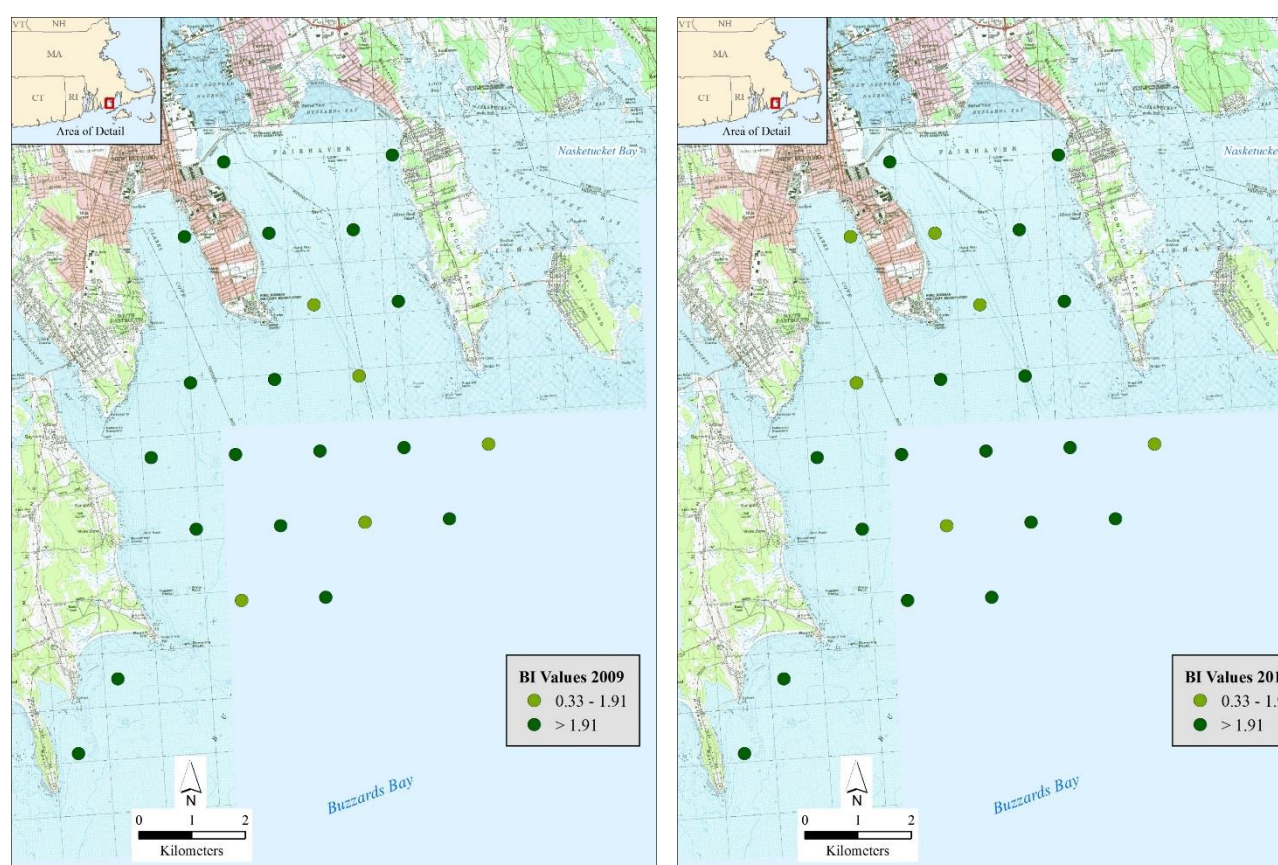
2014



Upper Harbor:
Number of stations classified as “good” increased from 7% to 22%



Lower Harbor:
Number of stations classified as “good” increased from 48% to 72%

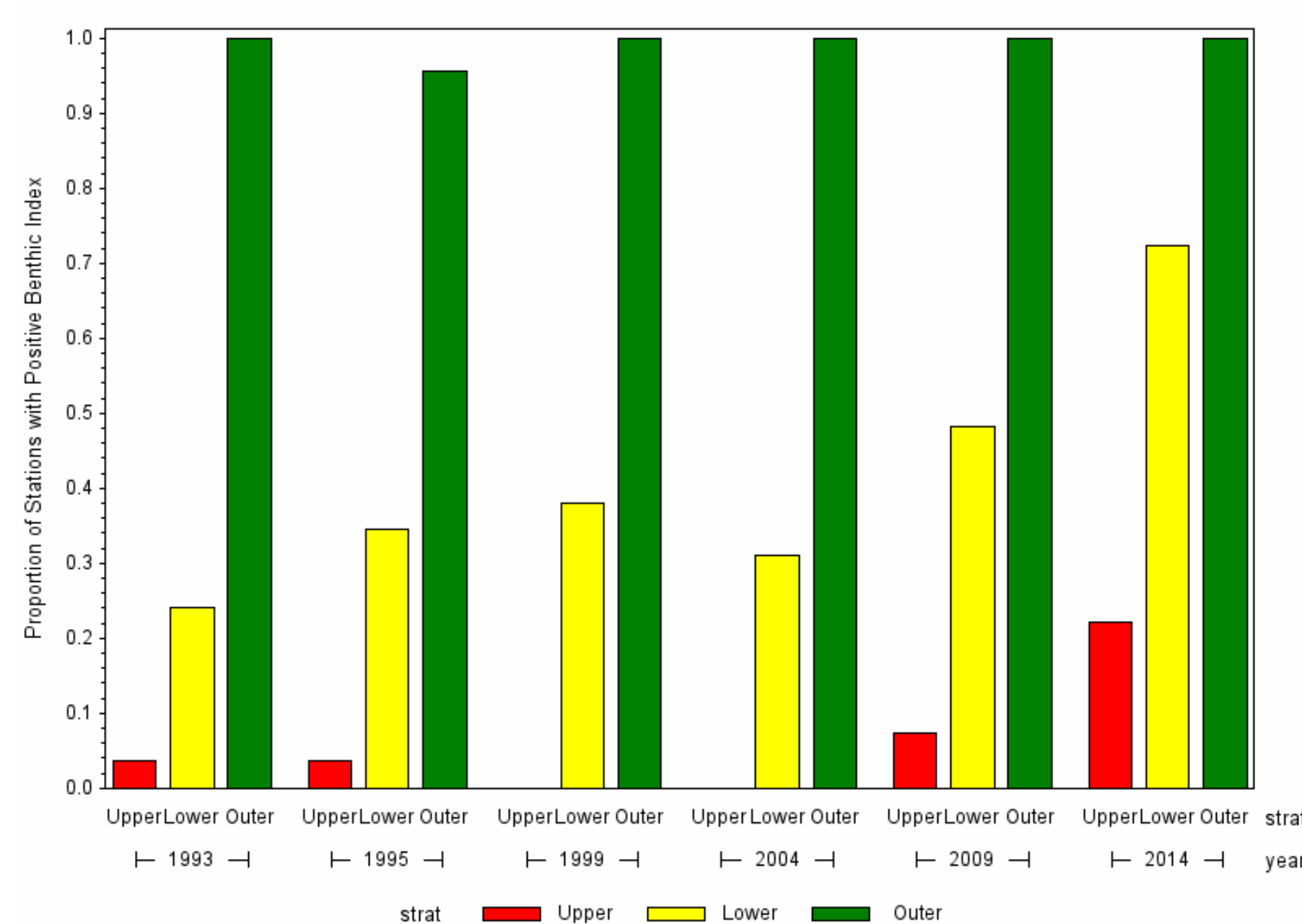


Outer Harbor:
100 % of stations both years classified as “good”

Biological Data: EMAP Benthic Index comparison for all LTM Collections

This graph shows the percent of stations classified as having a “good” EMAP Benthic Index in each section of the harbor for each of six LTM collections

Note: Significant increases in both the upper and lower harbors since 1993 collection



Conclusions:

- PCB concentrations site wide show decline even with significant dredging in both the upper and lower harbors
- Benthic health shows increase in both the upper and lower harbors
- Reasonable to assume that with increased PCB removal, these trends will continue and may accelerate once cleanup is complete