Toxic Contaminant Outcomes and Metrics

July 8, 2015

Indicators for Policy and Prevention

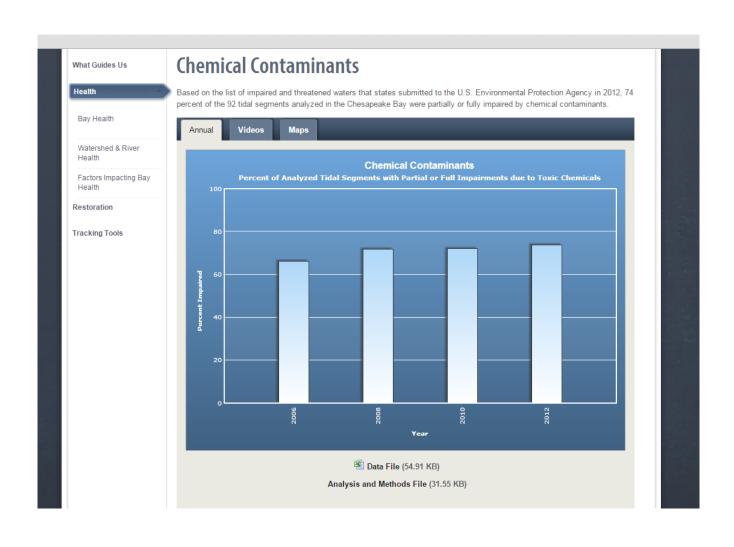
Indicators to Assess Progress Toward Outcome

- Toxic impairments (current indicator)
- Fish Tissue Concentrations for PCBs and Mercury
- Fish Advisories

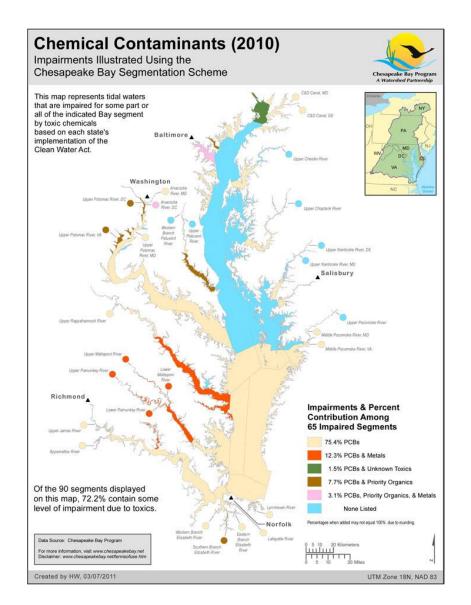
Informative for Developing Strategies

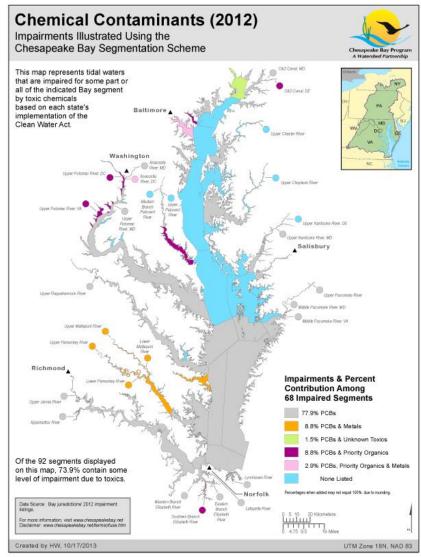
- Current impairments, current TMDLs, TMDLs in the works
 - Help to identify areas of impairment that need a TMDL
- Sources and Loadings

Current Indicator — Chemical Contaminants



Can we expand to the entire watershed?





Status of Metrics

Mapping Fish Advisories

- GIS team is waiting on the data
- Can we apply population demographics?

Current impairments, current TMDLs, TMDLs in the works

- GIS team has mapped current impairments and current places with TMDLs
- Mindy will be gathering information on TMDLs in the works
 - Who should be contacted?

Future Metrics

Fish Tissue Concentrations for PCBs and Mercury

- Fish species white perch
- Trend analysis
- Mapping

Sources and Loadings of PCBs

- 1999 mass balance
 - Storm water
 - Wastewater
 - Atmospheric
 - In water sediment

Indication of Research Outcome Progress

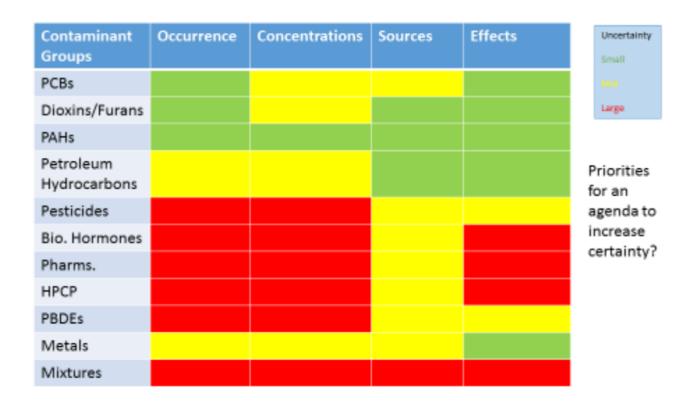


Figure 1: Level of uncertainty for ten contaminant groups with regard to the occurrence, concentrations, sources and effects on fish and wildlife.

Discussion and Follow-up

Additional Metric:

Workplan Progress— How do we show that we are doing what we said we would?

What are your thoughts on these metrics?

TMDLs in Development – TMDL and GIS contacts for each jurisdiction