



STAC Workshop
May, 2019

Integrating Science and
Developing Approaches to
Inform Management for
Chemicals of Concern in
Agricultural and Urban
Settings

Toxic Contaminants

- Goal in Bay Agreement
- Outcomes:
 - Policy and Prevention
 - Research
- Toxic Contaminant WG
- Water Quality Goal Team



Contaminant Groups and Strategies

Widespread
Severity and
Occurrence

PCBs



**Policy/Prevention
Strategies**

Local Effects

Mercury



Potential policy strategy:
what else needed?

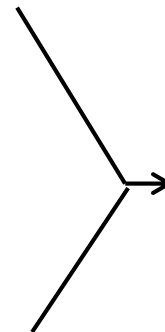
More
information
needed

Dioxin, Petroleum,
Insecticides,
Metals
PAHs

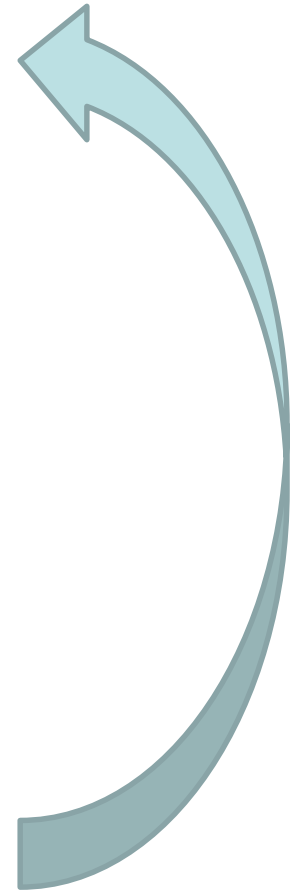


Local impairments
and TMDLs

Pesticides
Herbicides
Pharmaceuticals
Hshld/Personal Care
Flame Retardants
Biogenic Hormones



**Research
Agenda:**
Effects,
occurrence,
sources,
Co-benefits





Elements of Research Strategy

- (1) Fish and shellfish safer for human consumption;
- (2) Contaminants degrading the health, and contributing to mortality, of fish and wildlife;
- (3) Sources, occurrence, and transport of contaminants in different landscape settings;
- (4) Provide science to help mitigation contaminants, and emphasize the co-benefits with nutrient and sediment reductions.
- (5) Issues of emerging concern

Workshop Objectives

- Contaminants related to fish consumption advisories, fish health, and emerging concern;
- Sources, occurrence, and transport of contaminants in agricultural and urban settings;
- Opportunities to mitigation effects of contaminants in each setting by taking advantage of nutrient and sediment reductions, and other innovative approaches:
- Future needs for research and more integrated management approaches





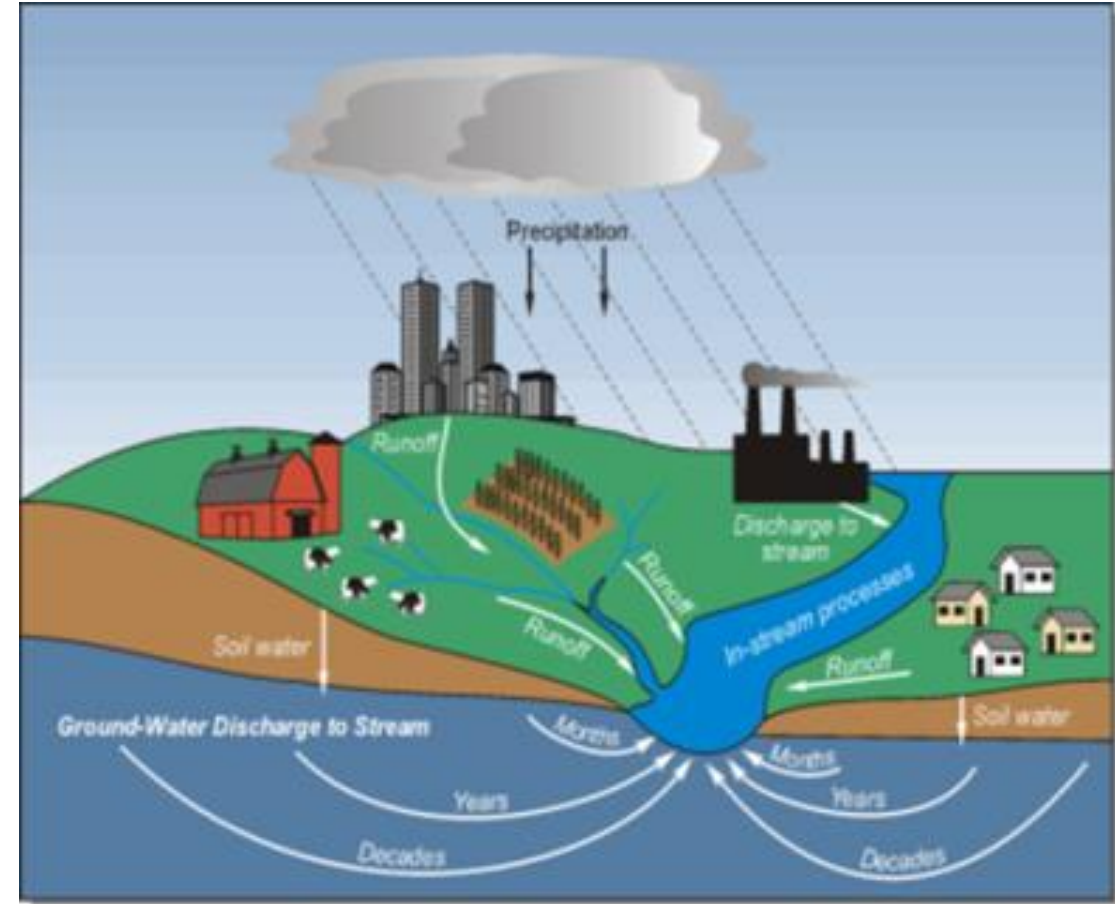
Sessions and Breakouts

- Jurisdictional Panel: Overview of issues and mitigation efforts
- Session 1: Primary contaminants related to fish consumption advisories and fish health
- Session 2: Primary contaminant sources, fate, and transport
- **Breakouts:** Urban and agricultural groups
- Session 3: Mitigation and potential of nutrient and sediment reductions
- **Breakouts:** Urban and agricultural groups
- YOUR KNOWLEDGE IS KEY TO SUCCESSFUL WORKSHOP

Breakout Sessions

Two groups

- Urban group: Greg Allen and Emily Majcher
- Agricultural Group: Kelly Smalling and Chris Brosch
- Answer listed questions
 - Speaker findings
 - Your knowledge
 - Summarize
- Be used to develop findings and recommendations



STAC Report

- Findings and recommendations
- Speaker results
- Breakout session summaries
- Steering committee



Audiences

- Jurisdictions: implementing Phase 3 WIPs
- Water Quality Goal Team: workgroups
- Science providers
- Targeted products from STAC report

THANKS and APPRECIATION

- STAC

Report Materials:

Attached here you'll find a template for the report with all the needed cover pages, etc. I can fill out the appendices at a later date. Put into 'suggesting mode' (like track changes).

Notes from each of breakout groups, photos from flip charts, as well as Annabelle and I's notes from the whole workshop, have been added to the google drive folder, accessible here:

Presentations have been added to the google drive, and are on the STAC website:

- Rachel Dixon

- Annabelle Harvey

- Steering Committee

- Jurisdictional Panelists

- Speakers

- Breakout session leaders

- YOU for attending and contributing





Sessions and Breakouts

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Executive Summary

1. Primary contaminants related to fish consumption advisories and factors affecting fish health

- Urban and agricultural sections
 - Major findings
 - Recommendations
 - Management implications
 - Research and science needs

2. Primary contaminant sources, fate, and transport

3. Mitigation approaches and potential for nutrient and sediment reductions