Housatonic River Example EFDC Simulations CCC Meeting

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Purpose of Example Simulations

- Qualitative Test of the model
 - Are changes simulated by the model under two alternative hypothetical scenarios reasonable in the context of what is known about the Housatonic River PSA

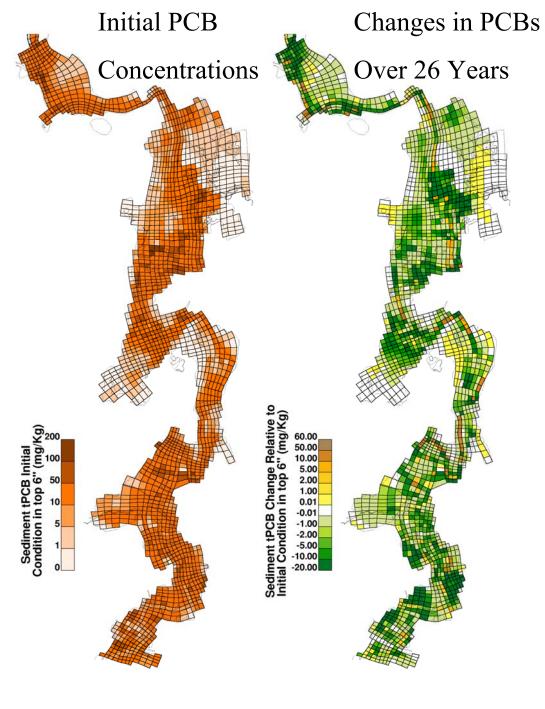


Example Simulations

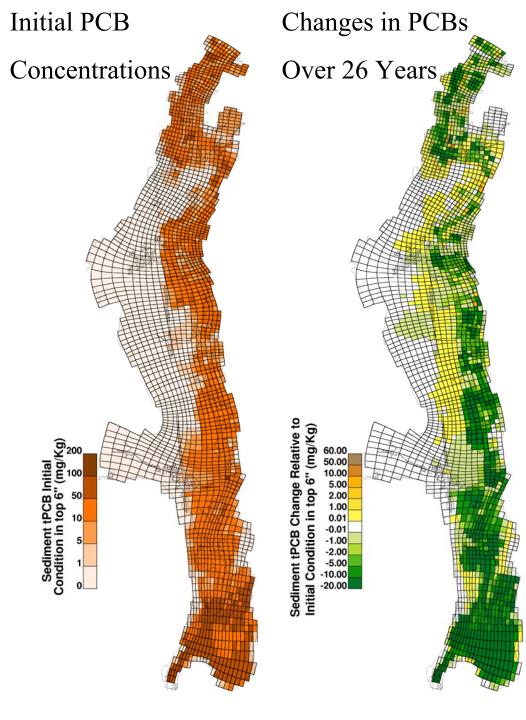
26-year Simulation with:

1) Zero Concentration of PCBs in East Branch

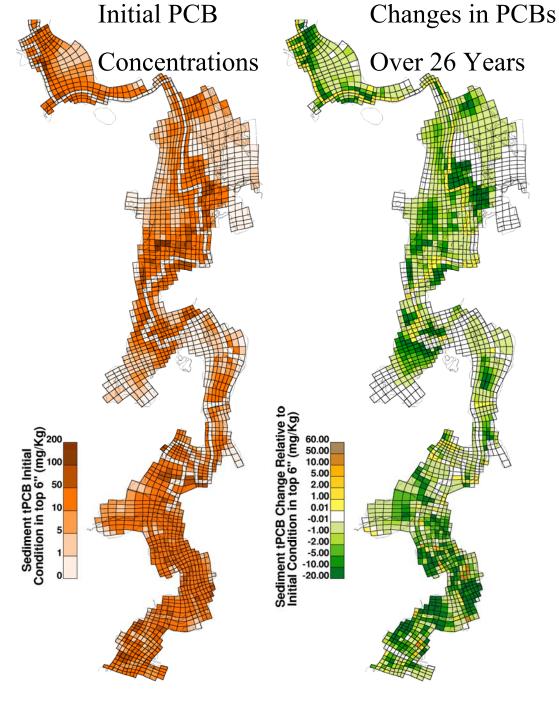
 Zero Concentration of PCBs in East Branch, zero concentration of PCBs in Reach 5A sediment, no bank erosion in Reach 5A



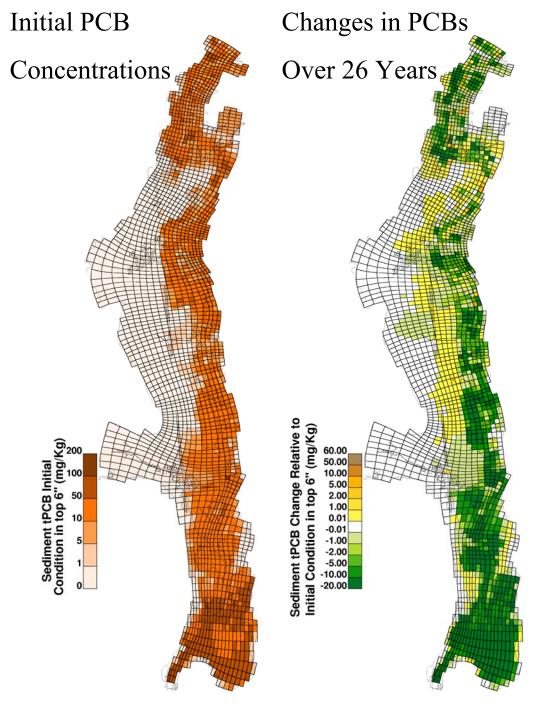
Example 1 – Upper Half of PSA Zero PCB Concentration from East Branch



Example 1 – Lower Half of PSA Zero PCB Concentration from East Branch



Example 2 – Upper Half of PSA Zero PCB Concentration from East Branch Zero PCB in Reach 5A Sediment No Bank Erosion in Reach 5A



Example 2 – Upper Half of PSA
Zero PCB
Concentration from
East Branch
Zero PCB in Reach 5A
Sediment
No Bank Erosion in

Reach 5A