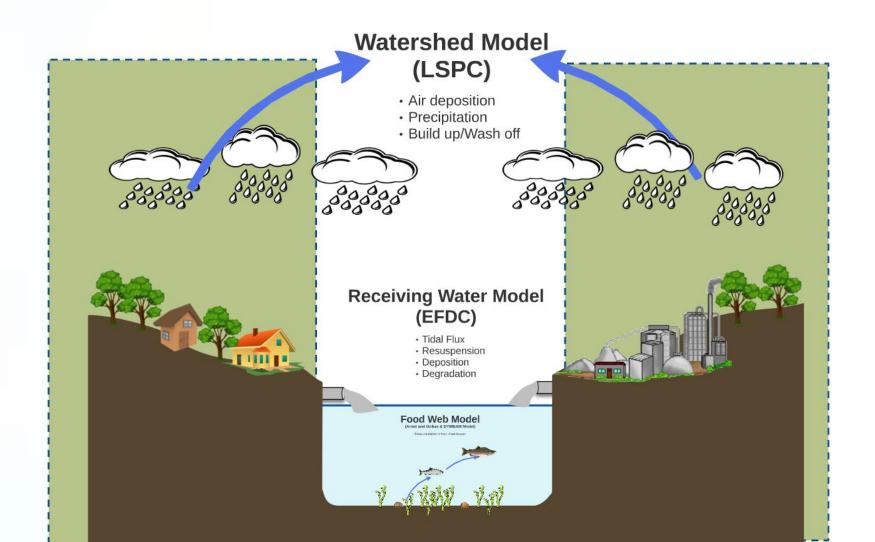


Conceptual Model





- Tidal Flux
- Resuspension
- Deposition
- Degradation

Food Web Model

(Arnot and Gobas & DYMBAM Model)

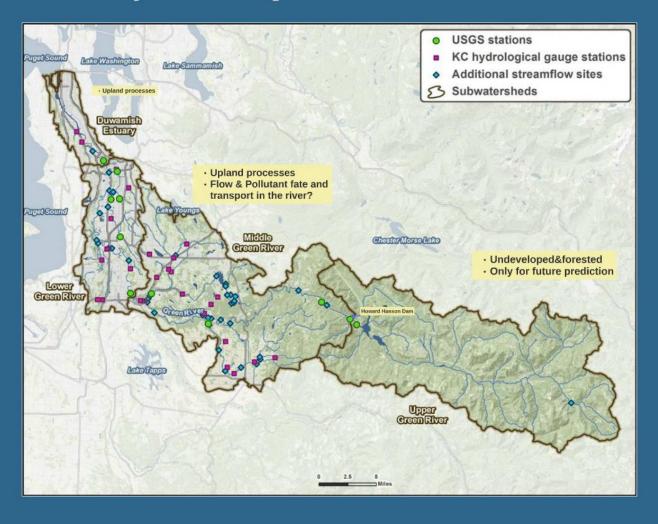
· Bioaccumulation in food chain/tissues

Data and Model Evaluation Memo Outline

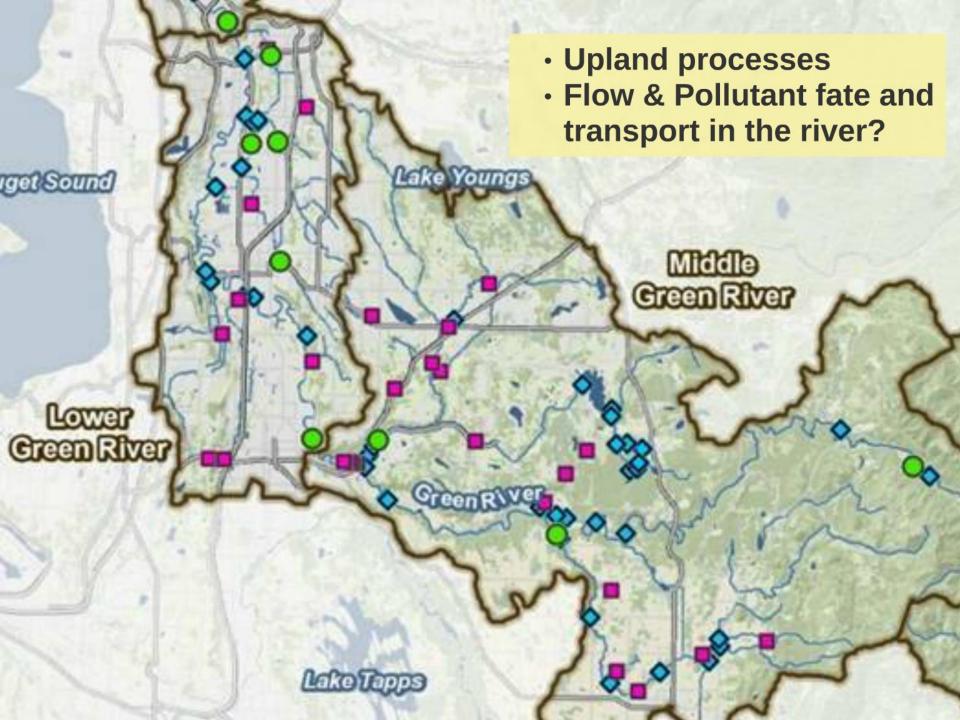
- Modeling domains
- Supporting data and parameter selection
- Data needs for model configuration and calibration
 - Ongoing data collection

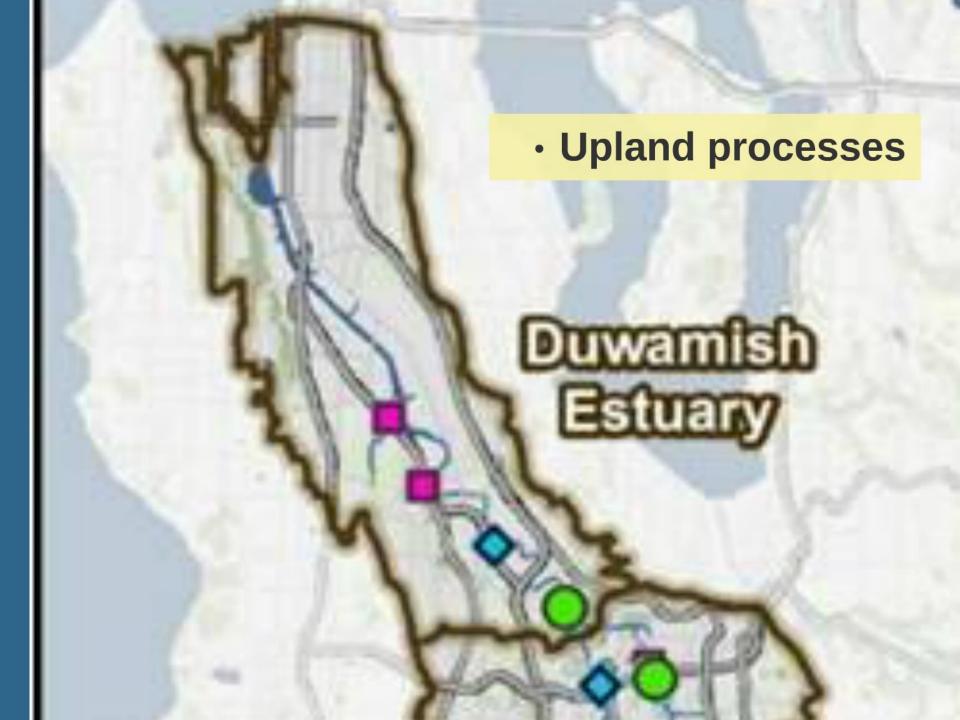
Watershed Model domain

Four primary subwatersheds

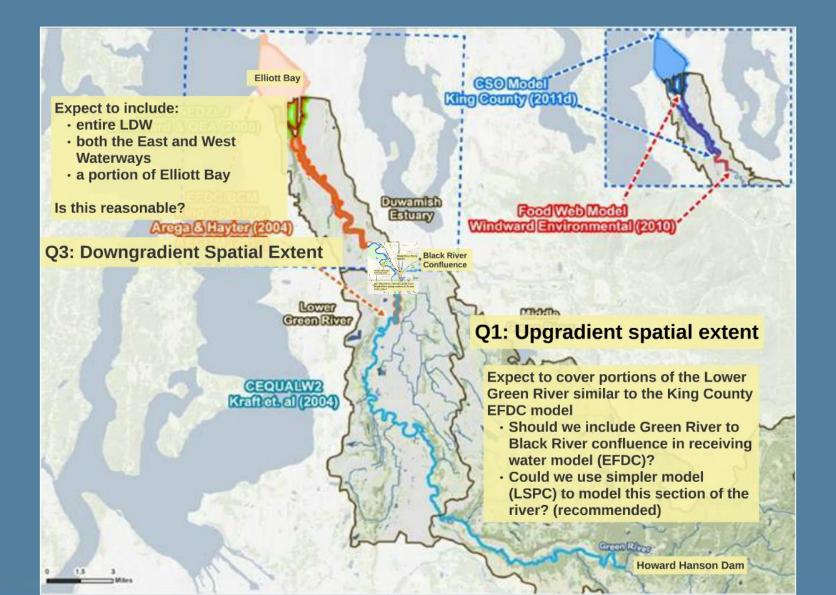


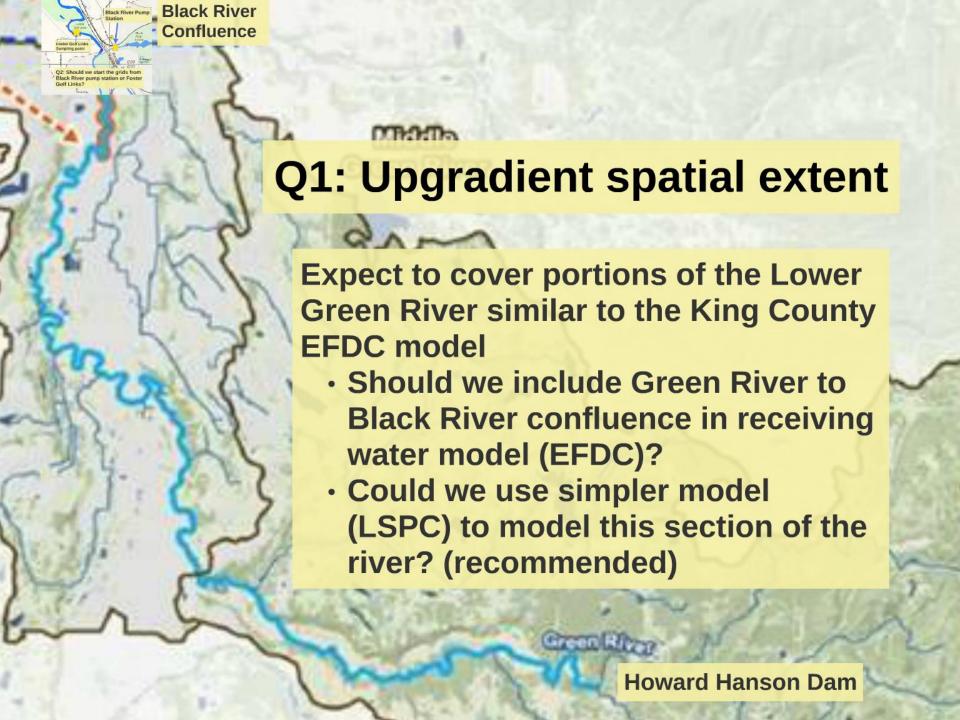






Receiving Water Model Domain







Food Web Model Domain

- The Food Web Model domain will be a subset of the EFDC model domain.
- The focus should be in the LDW, but could be extended upstream if needed.



Q4:

- Will the Food Web Model focusing only on the LDW (5 mile stretch) provide enough information?
- · Will we miss anything?

Parameters selection

Conventional

- Ammonia-N
 - D0
- Temperature
 - pH
 - Bacteria

Toxics



- Metals (8)
- PCBs (209 congeners)
 - PAHs (17)
 - Phthlates (6)
 - Other SVOCs (14)
 - Pesticides (7)
 - Dioxin/Furan

Toxics



- Metals (8)
- PCBs (209 congeners)
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Conventional

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 - Pesticides (7)
 - Dioxin/Furan

Q5: Should we include conventional?



- Question?
- Comment?
- Red Flag?
- Suggestion?

Questions about Model Development?

- Not enough information to fully resolve the question yet.
- Will be discussed in future meeting or as part of the draft QAPP review.

