Figure 1: Conceptual Model for Benefits to Native Fishes (Delta Habitats Group 2002)

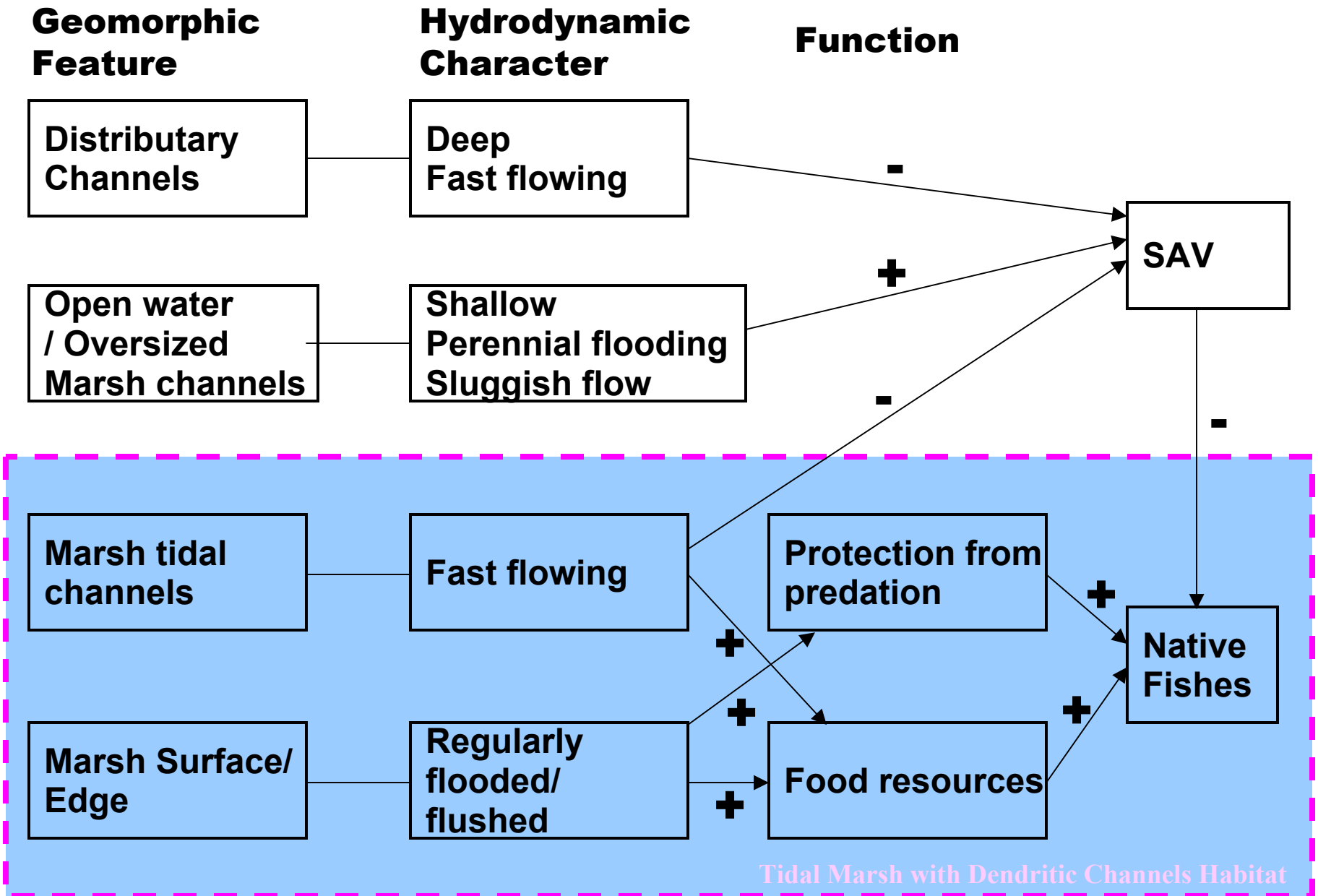


Figure 1A: Comments from AMWG & others on DHG Conceptual Model

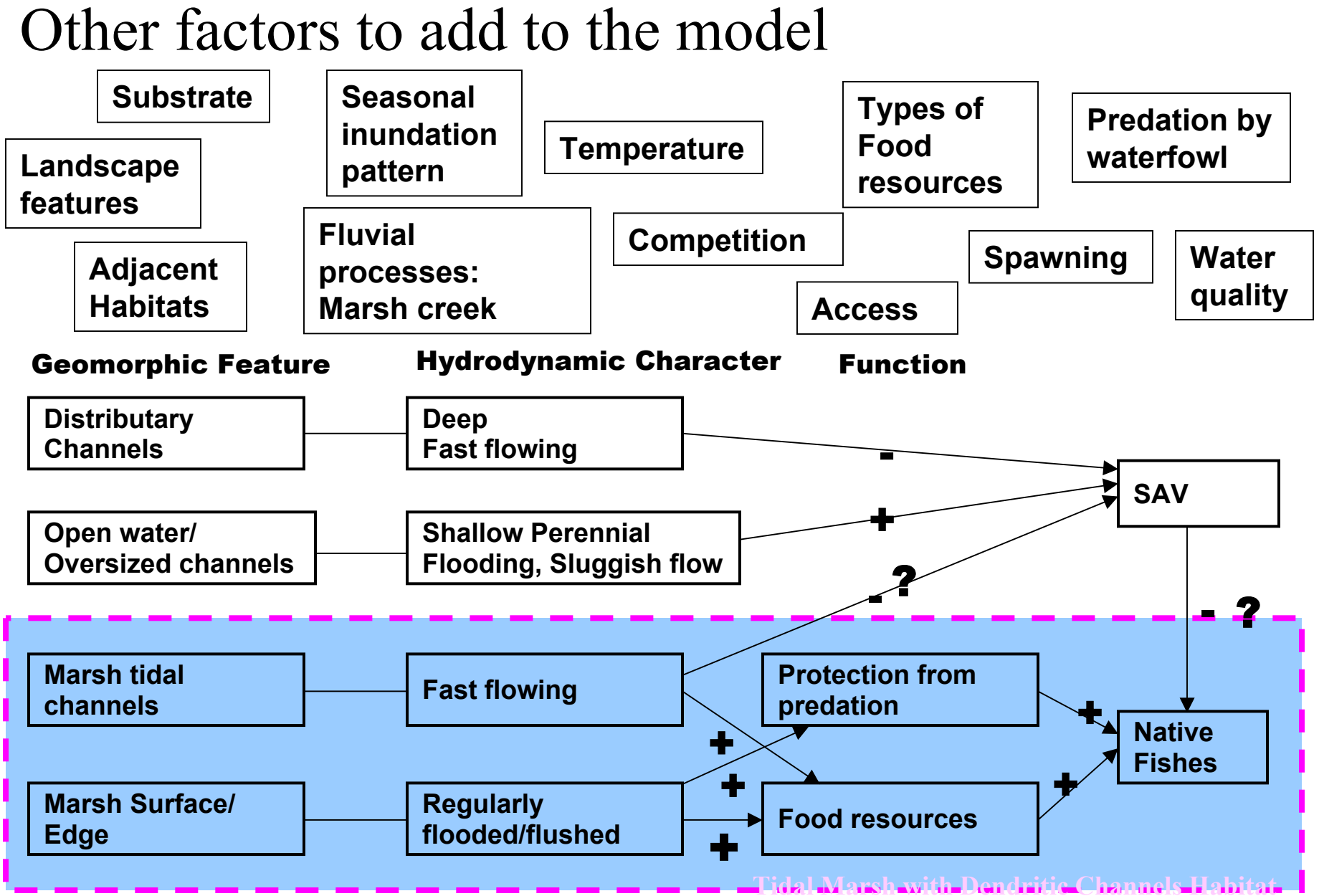


Figure 2: PSNERP Conceptual Model - Level 3.0 (ACTION SCENARIO dike breach example)

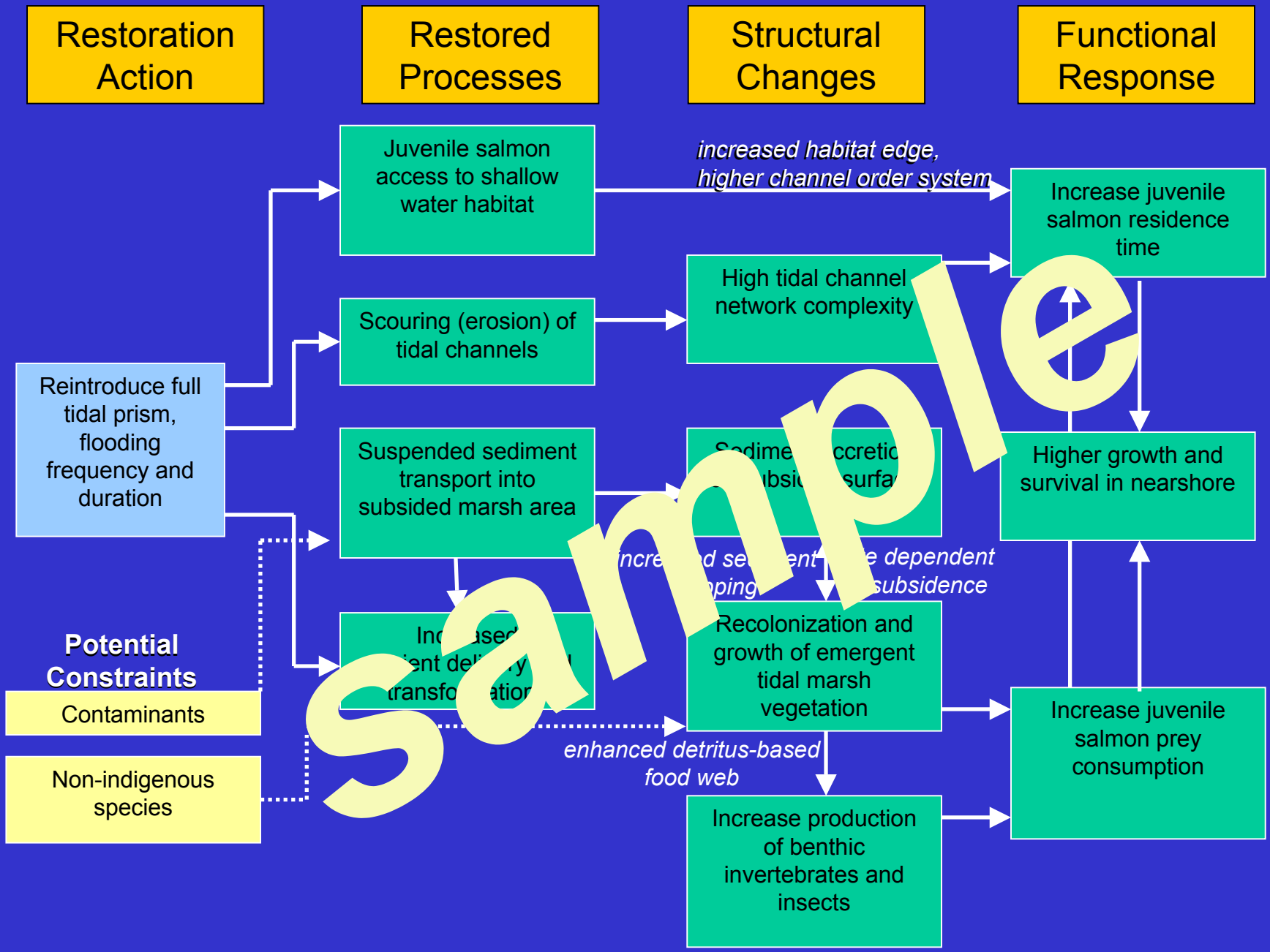


Figure 3A. Chinook salmon growth: habitats, processes and attributes.

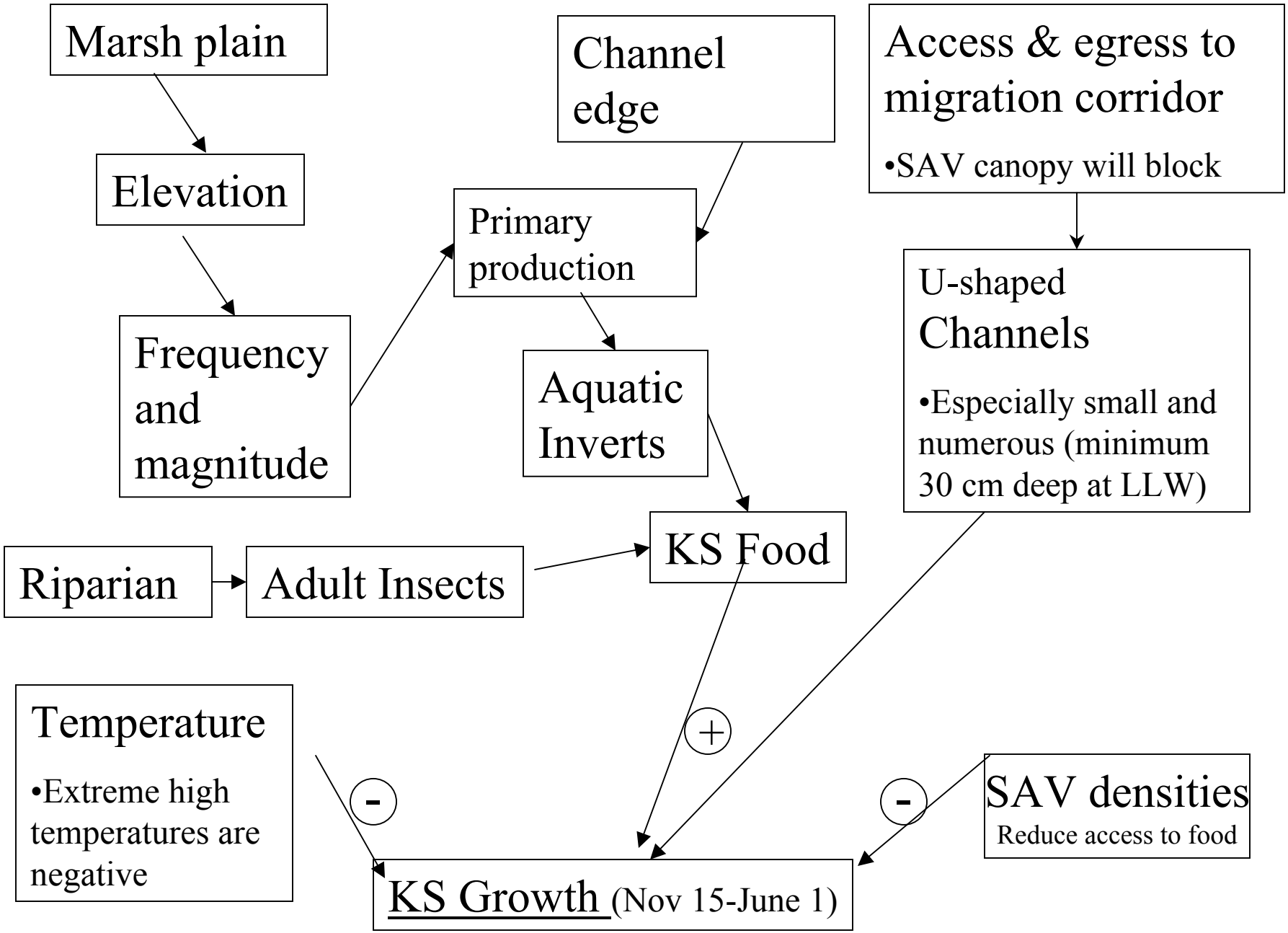


Figure 3b. Chinook salmon survival: habitats, processes and attributes

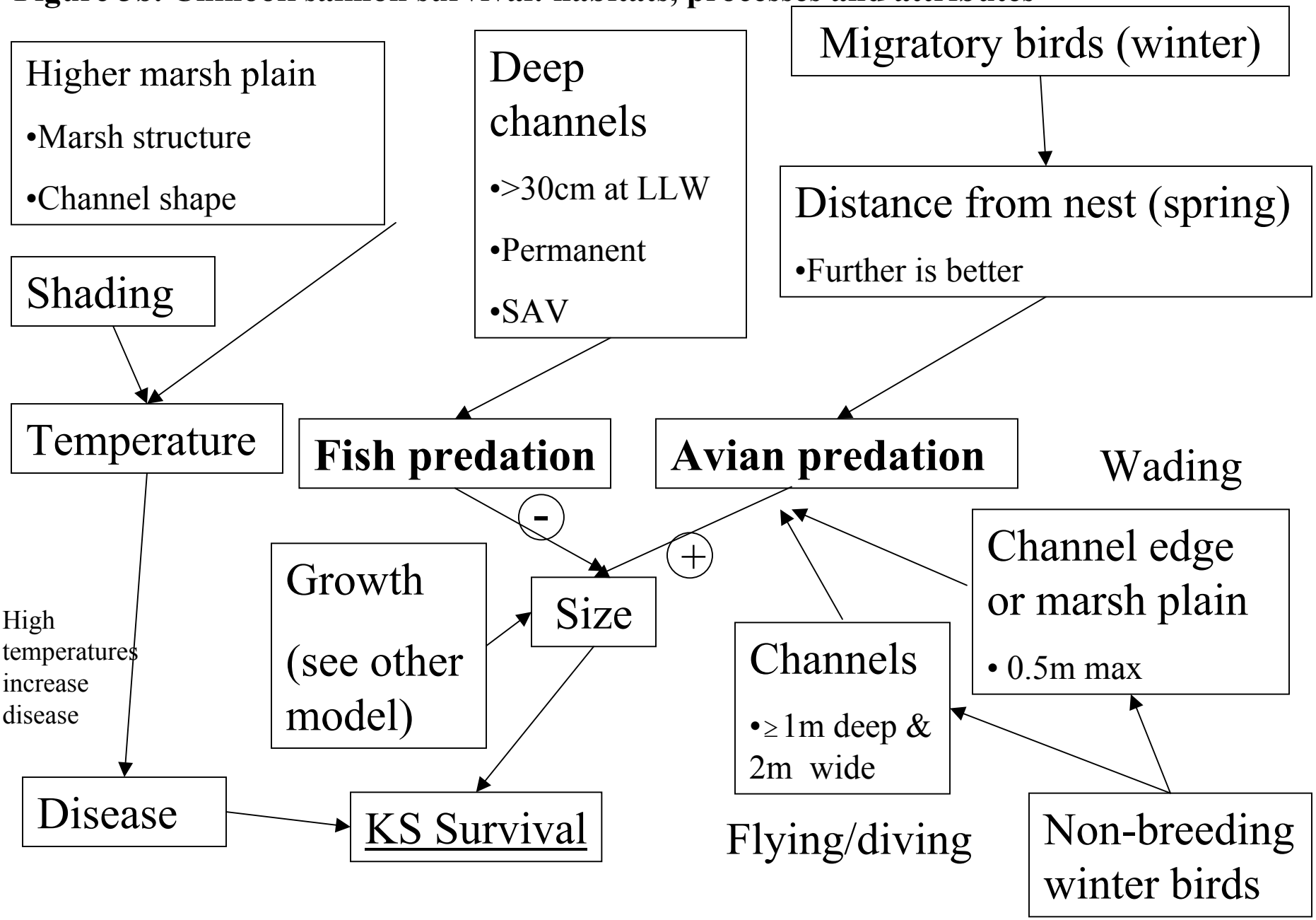


Figure 4: Levee Breach and Salinity Dynamics Model

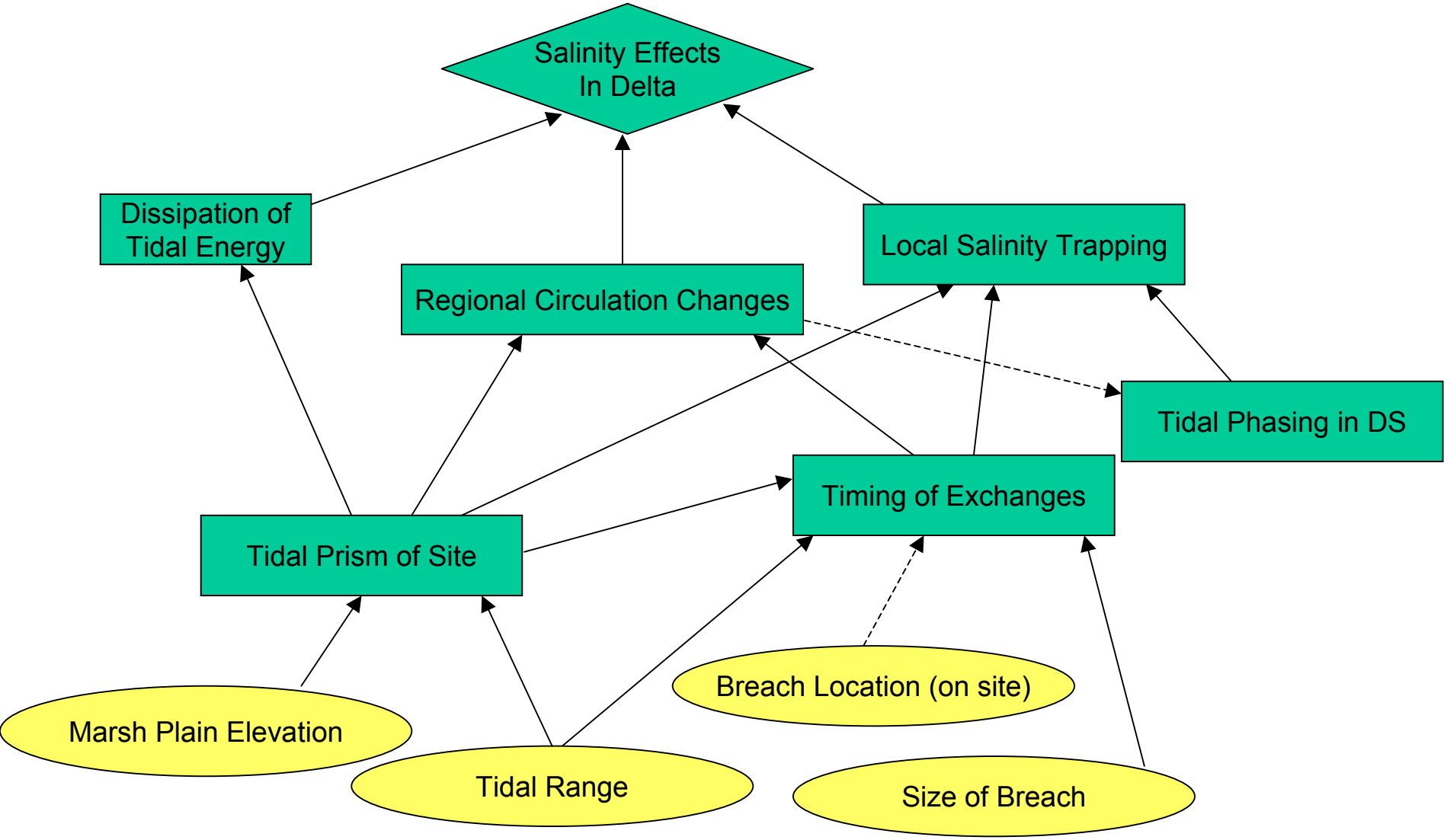
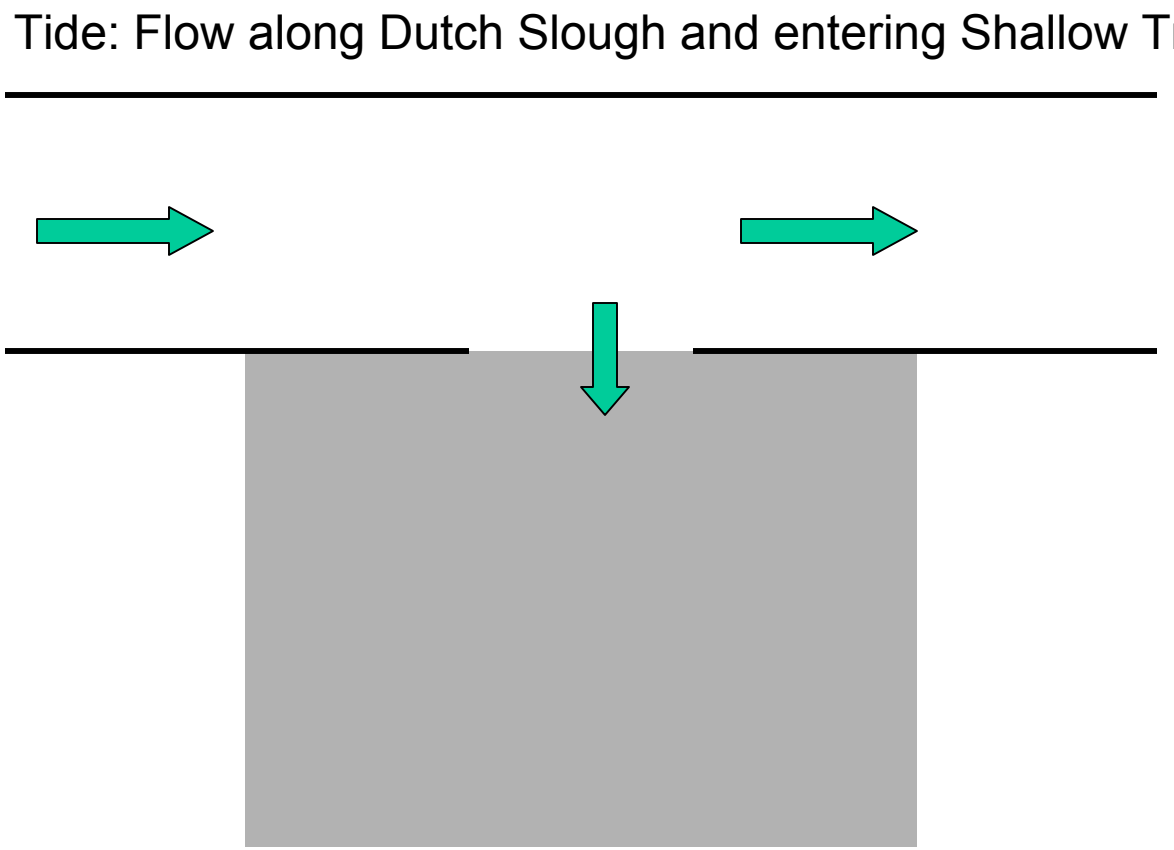


Figure 5a: Levee Breach and Salt Trapping



Conditions in Dutch Slough:

- Currents driven by along slough surface slope
- Salinity set by advection: lags by 3 hours (highest at end of flood)

Flows into Shallows:

- Timing of flows set by surface slope and frictional resistence
- Volume of shallows, size of breach
- Likely to be centered around high/low water

Figure 5b: Levee Breach and Salt Trapping

Scenario I: DS tides slack at high/low water (Progressive Wave), Exchange flows peak at high water (no delay)

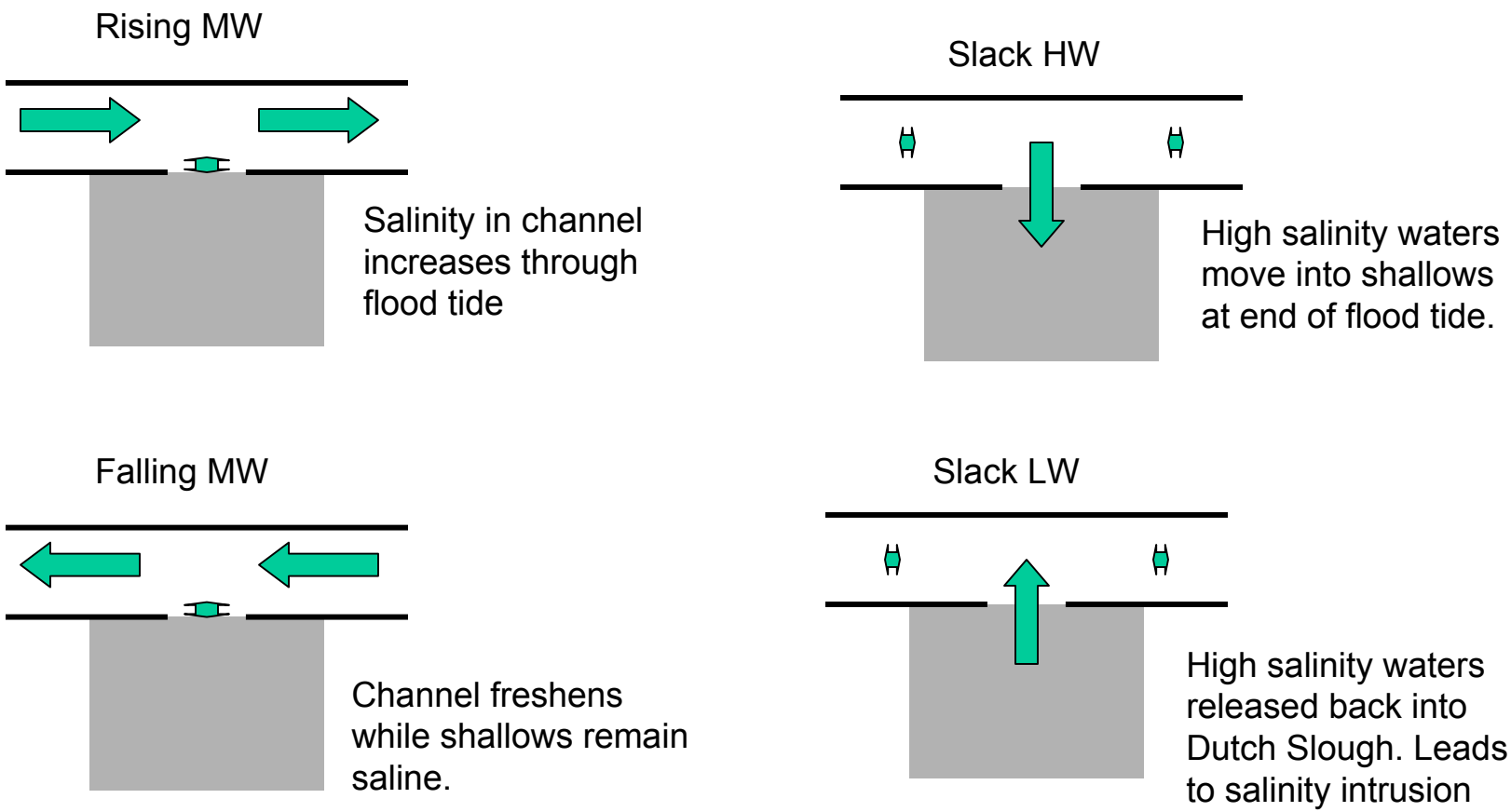


Figure 5c: Levee Breach and Salt Trapping

Scenario II: DS flows maximum at high/low water (Standing Wave), Exchange flows peak at high water

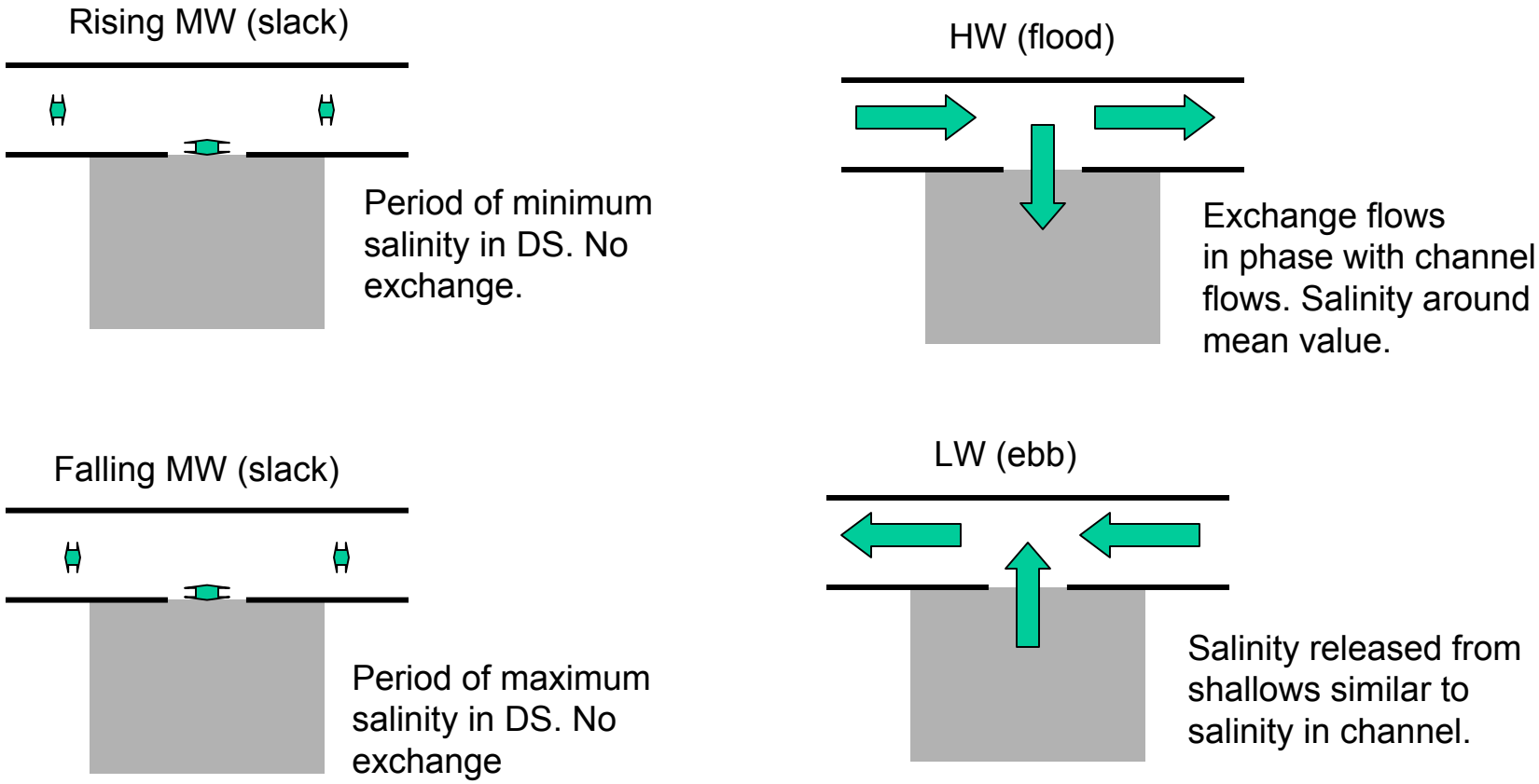


Figure 6: Mercury Methylation Model

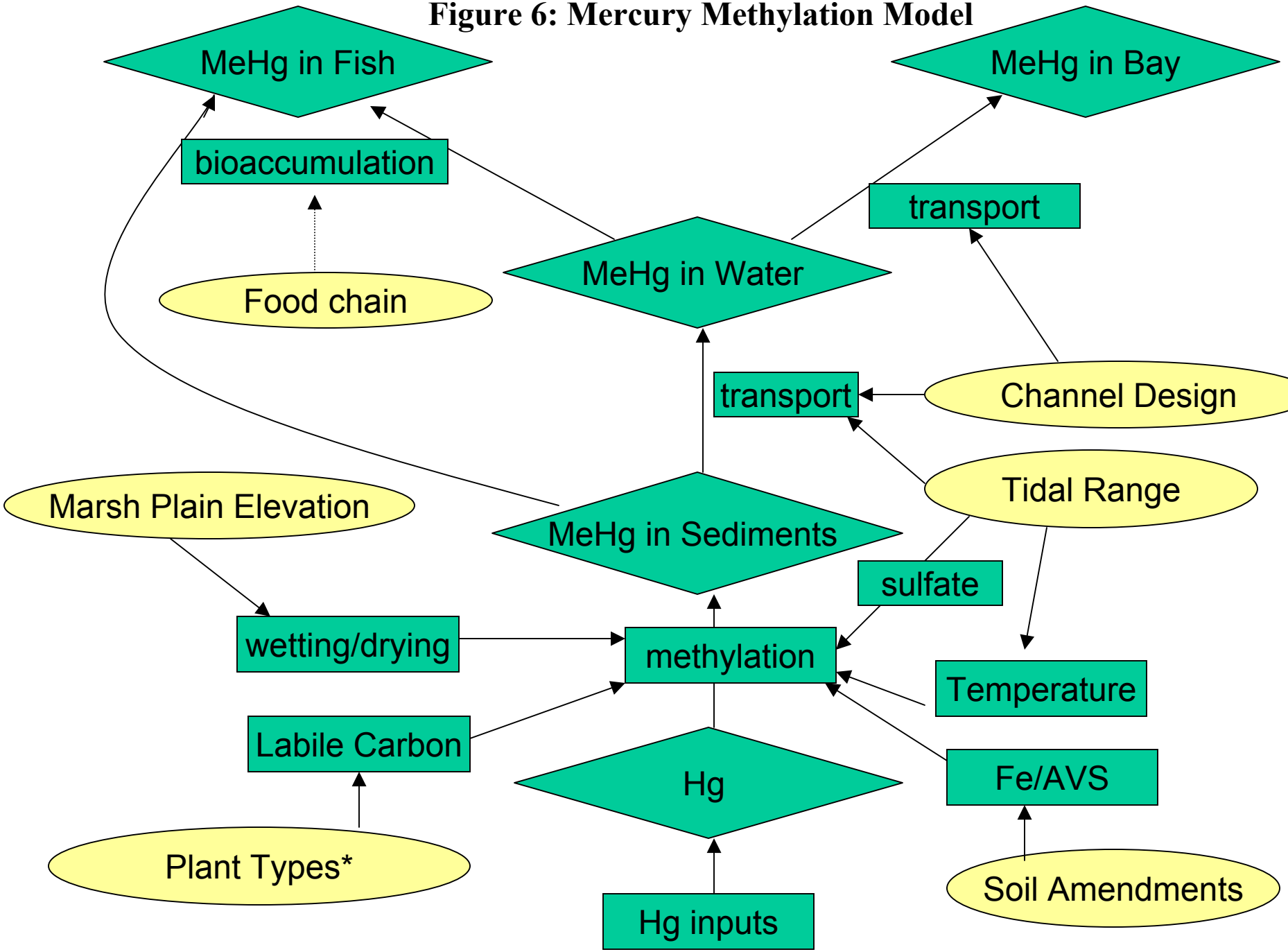


Figure 7: Simple Hydo-Geo-Eco Simulation Model