

Using Conceptual Models in Suisun Marsh Restoration Planning

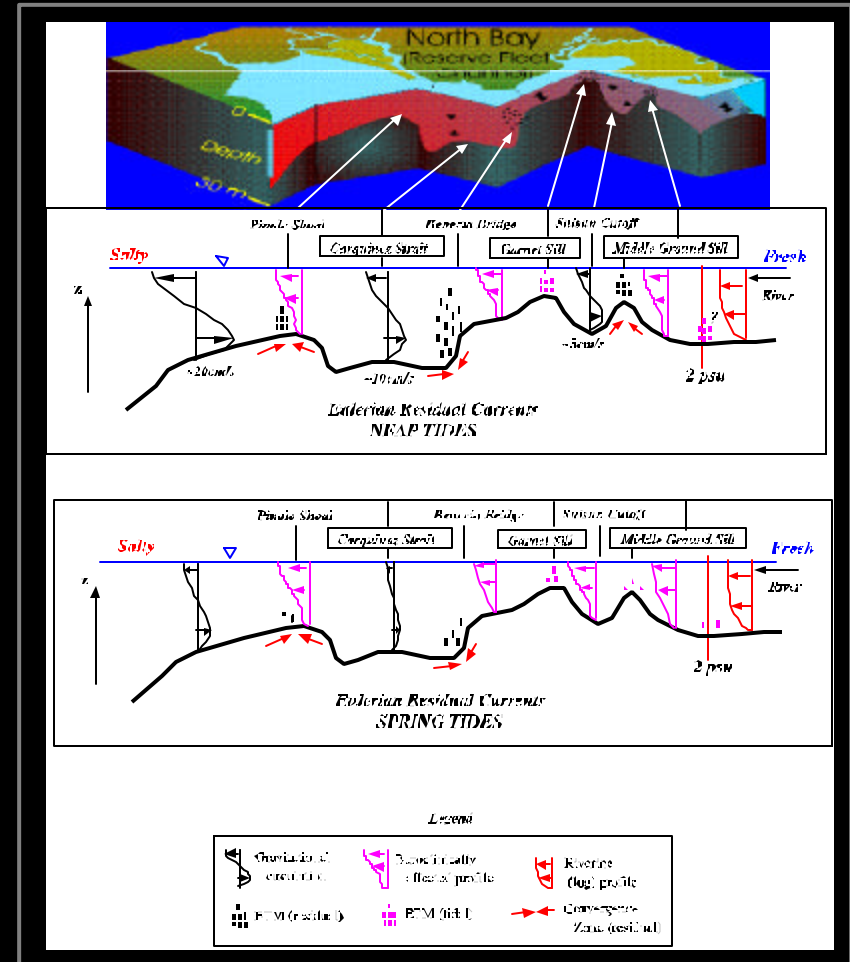
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Suisun Marsh Workshop
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What is a Conceptual Model?

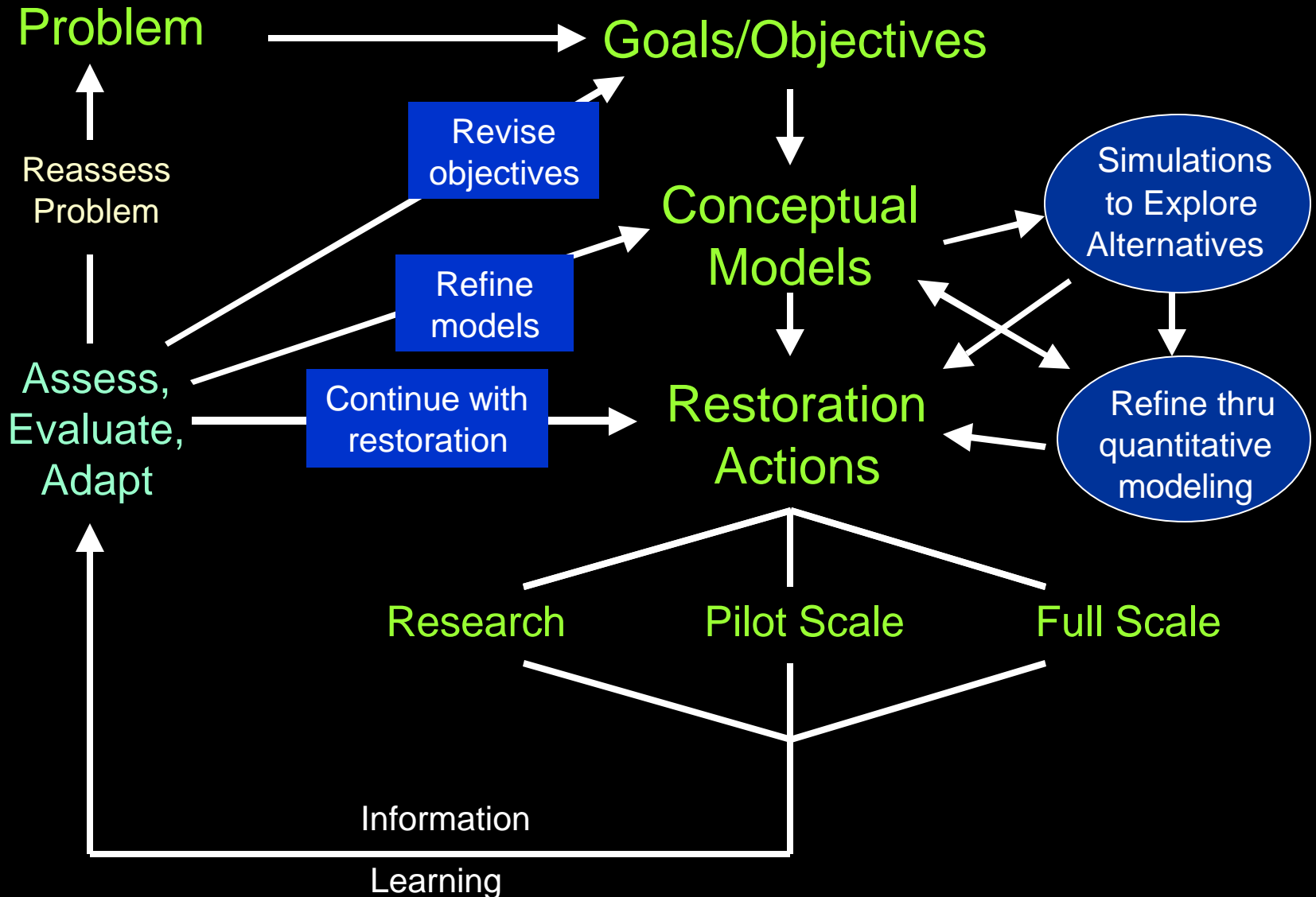
A detailed written description of our present understanding of a system, habitat, species, or process.

- Most commonly qualitative descriptions.
- Can serve as a “road-map” for research or a “framework” for planning.
- A great way to describe shared knowledge and differences.
- Revisions are needed.
- Require effort and risk.



From J. Burau, USGS

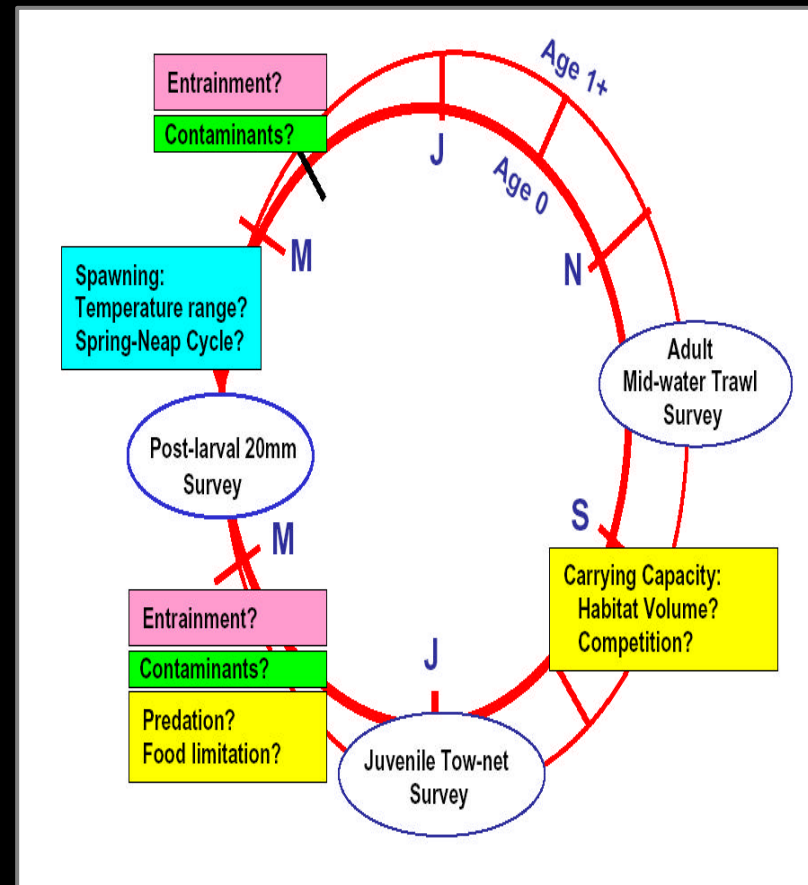
Adaptive Management Process



Using Conceptual Model in Restoration Planning

Develop conceptual models that:

- Describe important processes and functions of a habitat, species, or feature.
- Allow for incorporation of new findings.
- Forecast effects of potential actions.
- Identify areas of uncertainty and assumptions.
- Identify limiting factors or stressors.
- Identify potential indicators for monitoring/perf. assessment.

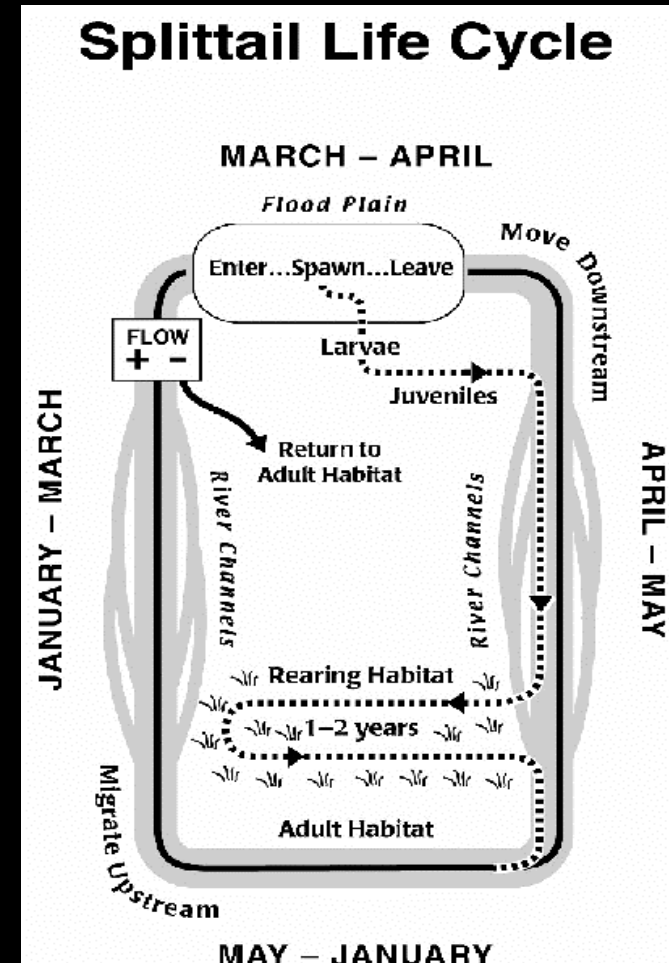


From B. Bennett, UCD

Initial CM Focus for Suisun Marsh

Develop written conceptual models describing our understanding of current conditions and processes for:

- Tidal Wetlands (Lead: FWS)
- Managed Wetlands (Lead: DFG & SRCDD)
- Water Quality (Lead: DWR)
- Species life cycle models (Lead: DFG)



From Moyle, et al.