

Delta Challenges Workshop

Birds and Terrestrial Ecology

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Delta Land Change

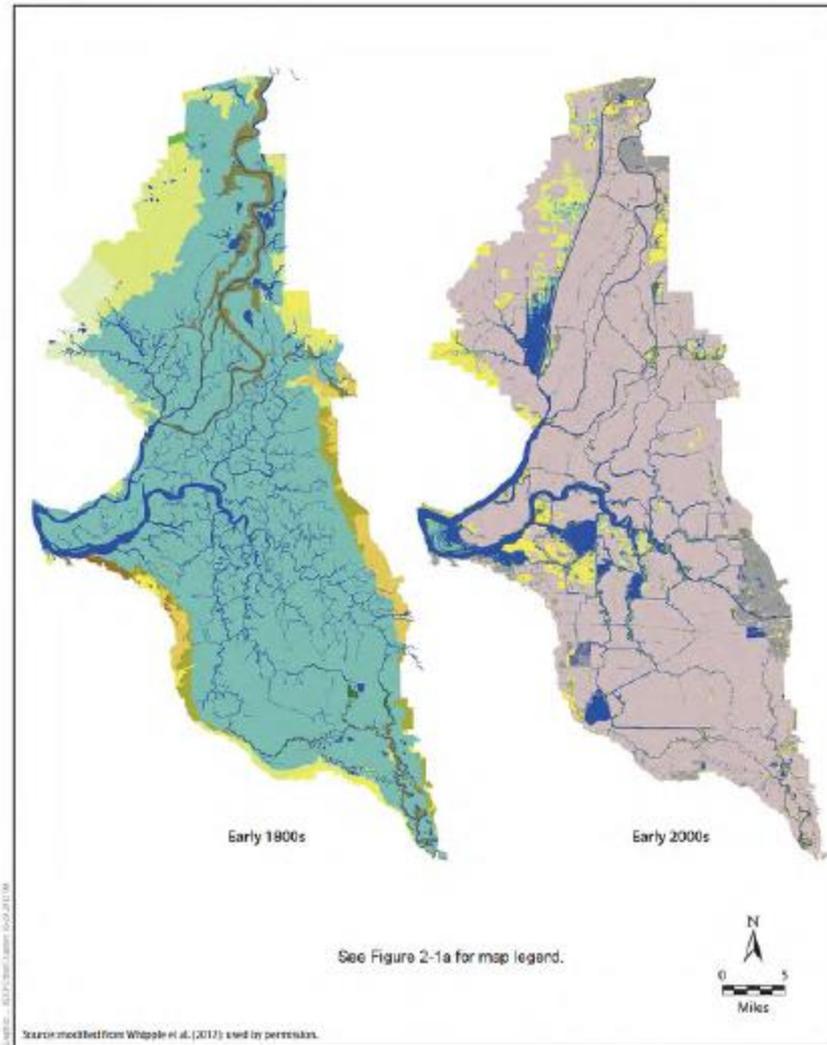
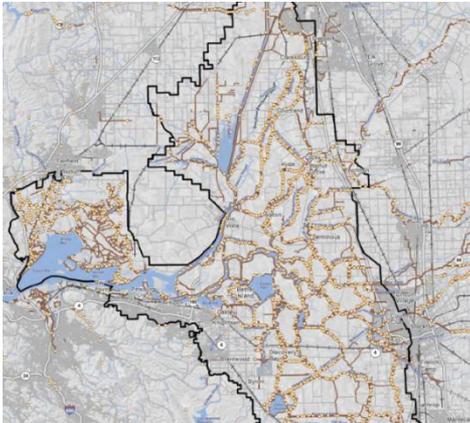


Figure 2-1b
Land Cover Change in the Delta between the Early 1800s and Early 2000s

Why is it so complex in the Delta?



Agriculture



Water

Climate



Conflicts and Contradictions

Agriculture



Conflicts and Contradictions

Water



Conflicts and Contradictions

Climate Change



What are we learning about critical uncertainties?

- Where should we prioritize conservation in the Delta?
 - Delta Waterbird Project
 - Staten Island
- Can we support birds, fish, and agriculture through multi-benefit projects?
 - Knaggs Ranch
 - Liberty Island
- Where to do restoration today that will succeed given uncertainty of policy, agriculture and climate change?
 - Future Marshes Tool (Veloz et al.)

Summary

- Terrestrial system is highly altered and has become increasingly complex due to its connection to our current way of life and the potential impacts of climate change.
- Whole ecosystem approach is needed rather than only species specific.
- Embrace future uncertainty through scenario planning.