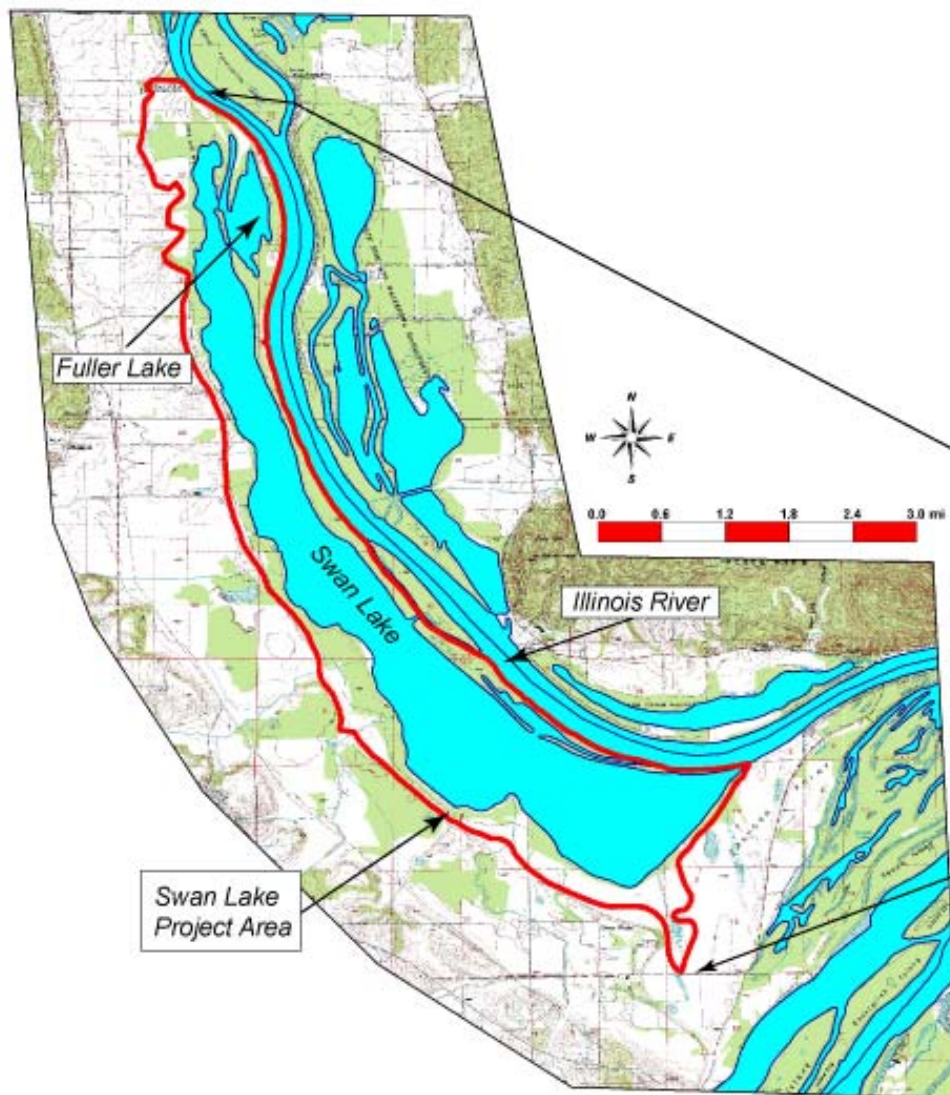


Swan Lake Ecosystem Restoration Project

ISLANDS
By Gary Lee



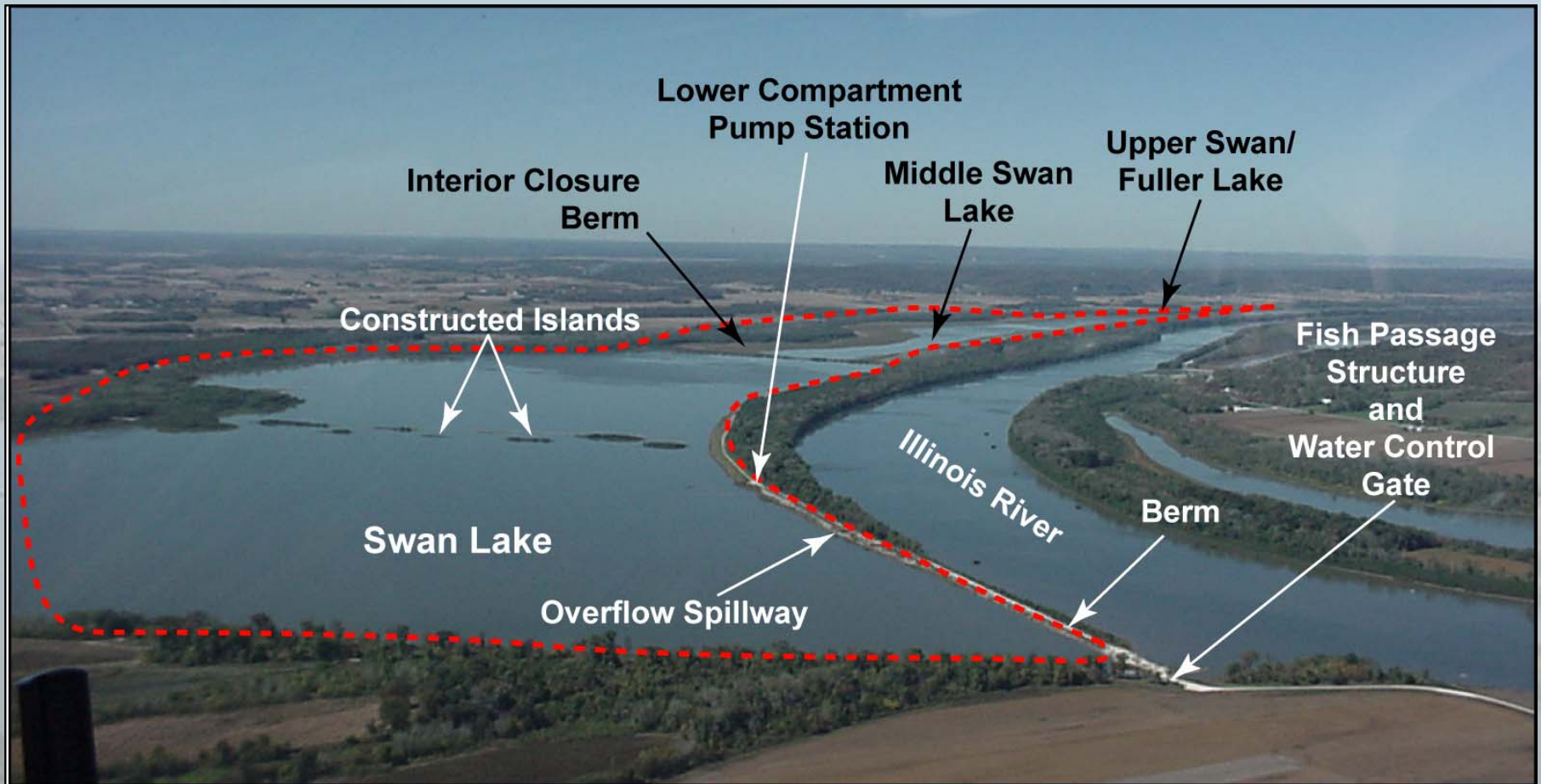
**US Army Corps
of Engineers**
St. Louis District



Restoring critical floodplain
habitat for the Upper
Mississippi Ecosystem

Swan Lake Ecosystem Restoration Project

Aerial View of Project, Looking North



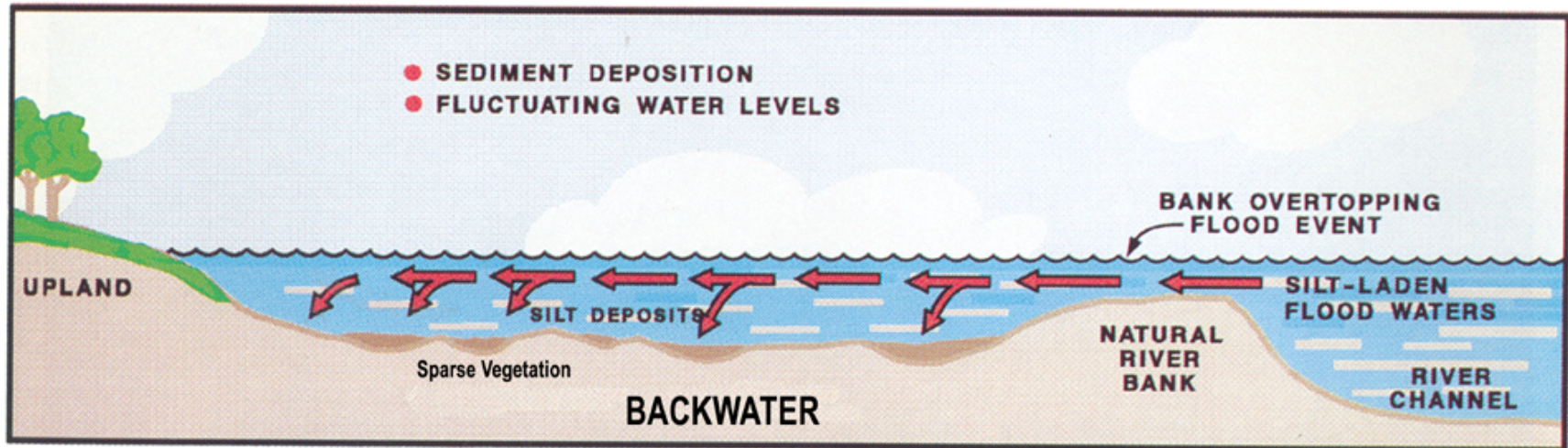
Mississippi Flyway



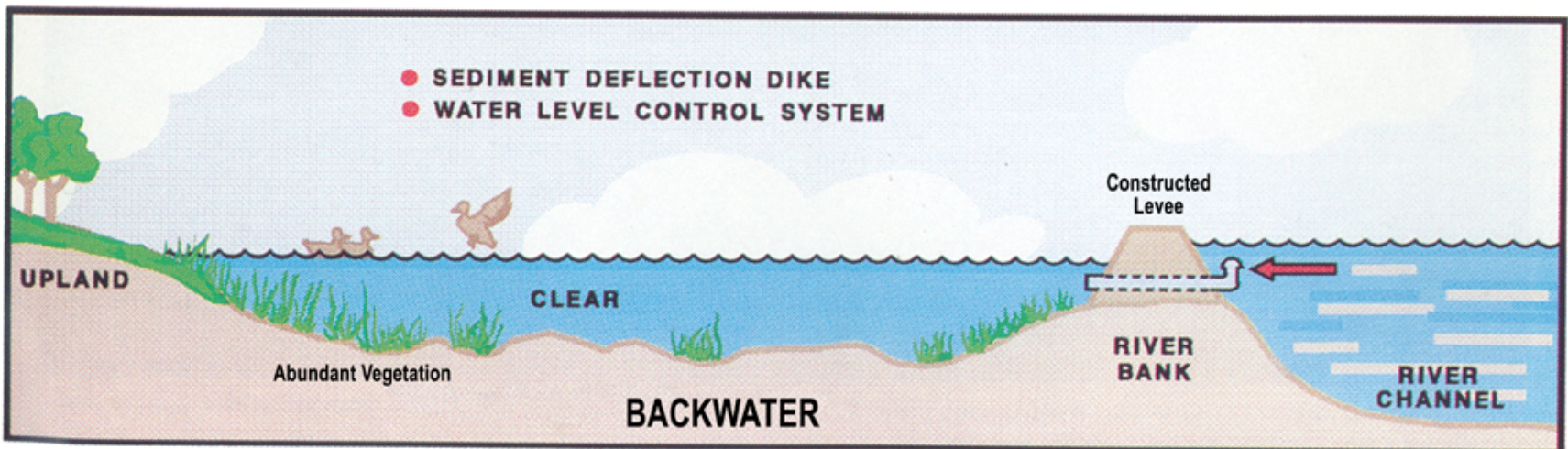
Swan Lake provides a connectivity link for the seasonal movements of numerous bird species

Photo Source: USFWS

BEFORE

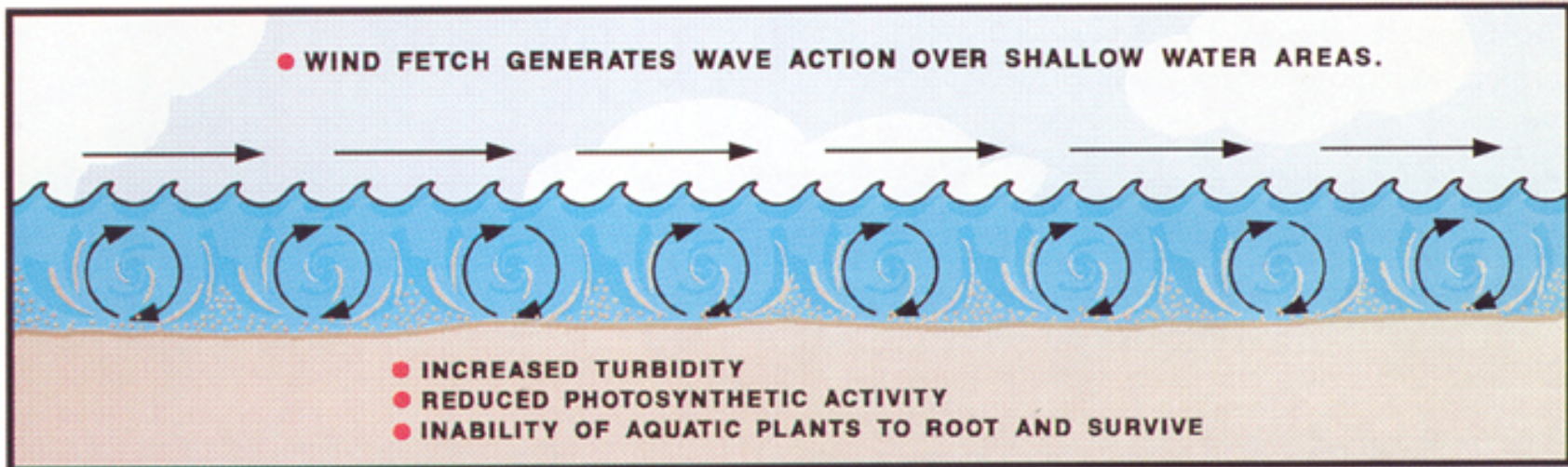


AFTER

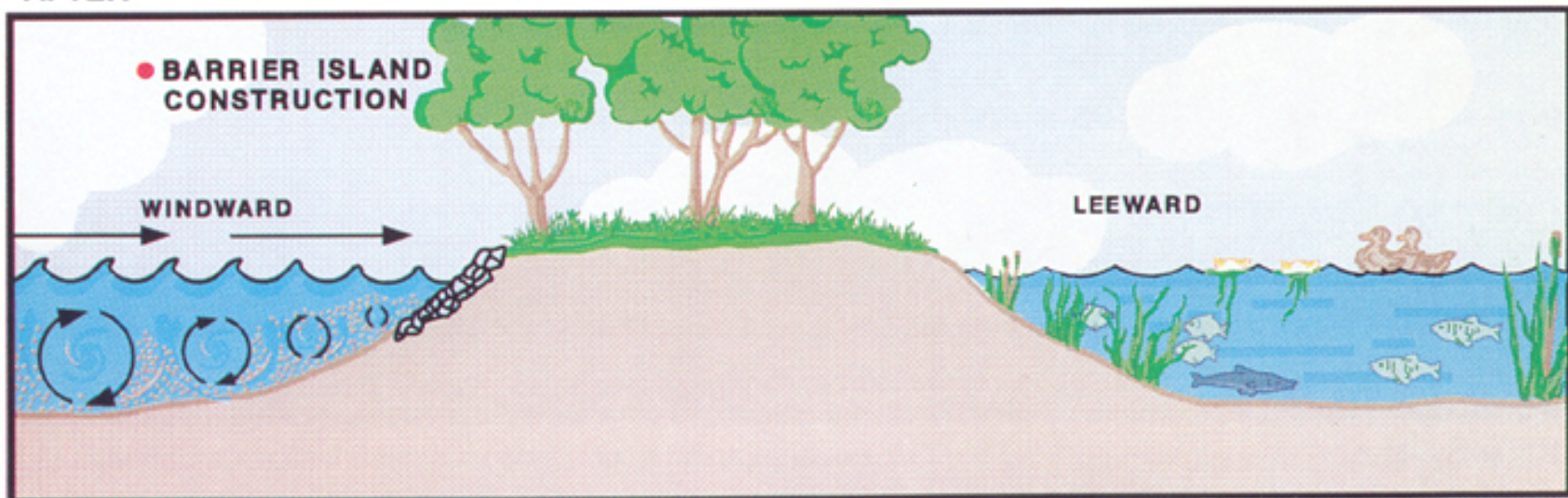


Design Objectives - Water control capability and reduce accumulation of river-borne sediment

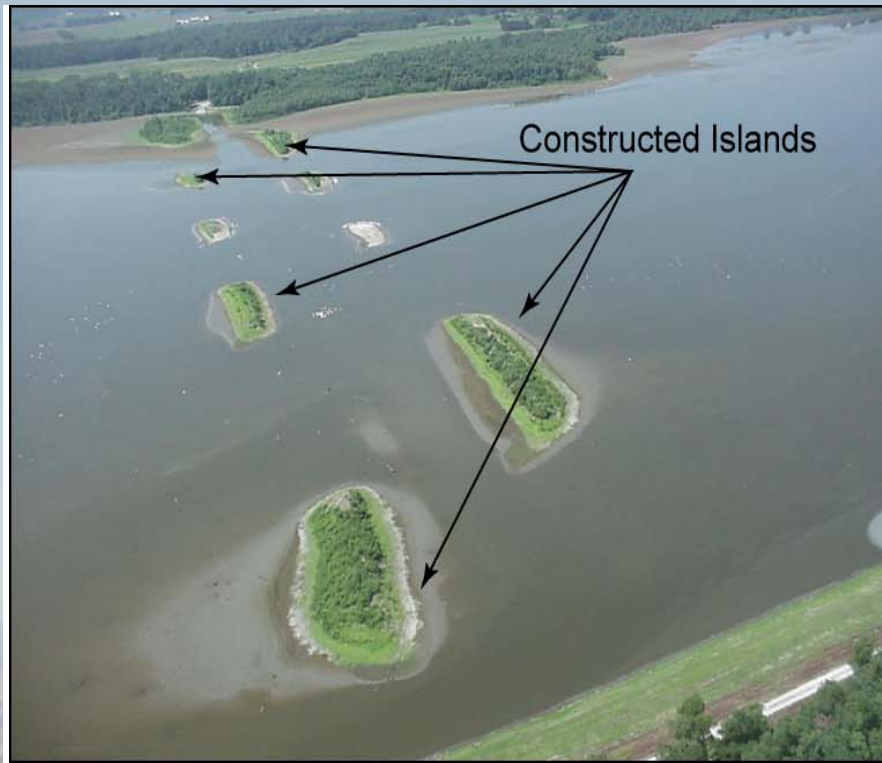
BEFORE



AFTER



Design Objectives - Reduction of turbidity levels caused by wind-generated waves



Constructed islands produced multiple benefits

- **Reduction of wind fetch, wave formation, and turbidity**
- **Improved water quality**
- **Increased growth of aquatic plants**
- **Predator-free nesting habitat**
- **Beneficial use of excavated material**









10 19'96











Middle Swan Lake at Drawdown





Sunset at Swan Lake