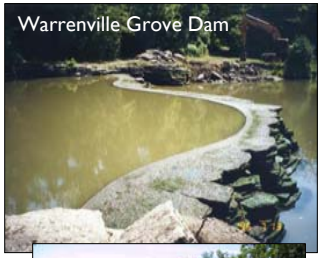
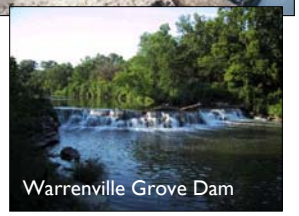
The River Has a Rhythm…

Warrenville Grove Dam Removal (Partial/Complete) and Restoration Concept

GOALS

- Provide public easier access to recreational activities along the river
- Improve water quality upstream: reduce temperature, increase dissolved oxygen
- Improve water quality overall: improve sediment transport
- Increase flood storage in channel
- Improve overwintering habitat
- Improve fish spawning habitat
- Restore native vegetation
- Improve navigation of river
- Preserve historical integrity of the area
- Protect existing northern banded water snake habitat





DAM IMPACTS

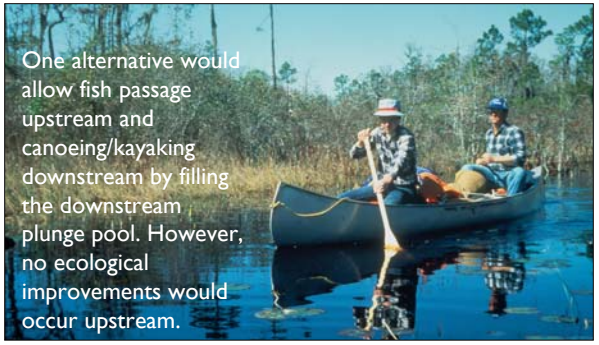
- creates an extensive upstream pool
- negatively influences upstream habitat, stream functions, oxygen and temperature conditions
- restricts fish passage upstream and canoeing downstream
- prevents sediment transport and causes sediment accumulation

Aerial photograph depicting the extent of the impoundment created by Warrenville Grove Dam.

AFTER PARTIAL/COMPLETE REMOVAL

Dam removal will allow the upstream river channel, floodplain, and tributaries to be restored to functional health. The new floodplain rapidly vegetates, forming wildlife habitat. The restored channel has improved oxygen levels, sediment transport, and can support a diversity of fish and mussel species.

Kerr-McGee will be removing all sediment upstream of the dam, the most challenging and costly issue to dam removal project. Taking advantage of this opportunity by partially or completely removing the dam is prudent.



…in a Healthy River Valley