THE KANKAKEE RIVER BASIN, PAST AND PRESENT

Scott D. Pelath Executive Director Kankakee River Basin and Yellow River Basin Development Commission

INDIANA LAW

- Commission's powers include:
 - ♦Bank stabilization

 - &Acquisition of land for flood storage
 - Construction of levies
 - Sediment removal and sand traps
 - &Tree removal and construction of access roads



INDIANA LAW (cont.)

- Regulating agencies (DNR, IDEM) are directed to coordinate and streamline permitting
- * Preferences for Indiana workers and contractors on Commission projects
- Commission maintains the 75-foot easement on the Kankakee and Yellow River channels <u>only</u>; counties retain full rights for emergencies
- * NO eminent domain powers
- Jasper, Lake, LaPorte, Marshall, Newton, Porter, St. Joseph, and Starke Counties are represented on Commission. A ninth voting member represents Indiana-DNR.

AANKAKEE RIVER BASIN

MISSION

The Kankakee River Basin and Yellow River Basin Development Commission advances Northwest Indiana's safety, economic prosperity, and quality of its natural resources.

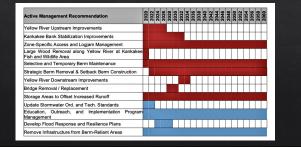
VISION

The Kankakee River Basin and Yellow River Basin Development Commission is building a region where its residents, farms, and communities prosper in concert with one of the nation's most unique natural environments.

"Everglades of the North"

The Kankakee River Basin once was home to the second-largest freshwater marsh in the United States.

ENGINEERING PLAN RECOMMENDATIONS



GRAND KANKAKEE MARSH



KANKAKEE RIVER BASIN PROFILE

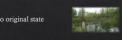
- & Kankakee River extends 133 miles from St. Joseph County to Illinois River
- & Yellow River originating in St. Joseph County is the major Indiana tributary
- ♦ In Indiana alone, the basin covers about 1.3 *million* acres, of which 1.1 million acres produce crops.





Outcomes and Consequences Remain with Us

- Trained areas continue to flood and hold water
- $\diamond\,$ Relentless sediment and erosion clogs channels



 $\Leftrightarrow\,$ Human activity coupled with increased precipitation quickly adds water to system





FLOOD OF FEBRUARY 2018

- & All-time record water levels at two points along Kankakee River
- * Water persisted in some areas for six weeks
- & Costly damage to private property and public infrastructure
- \Leftrightarrow Expensive allocations of resources for flood response and clean-up

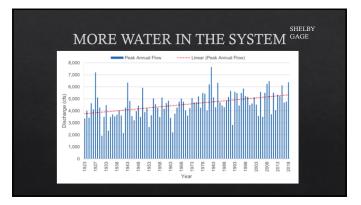
Outcomes and Consequences Remain with Us

- * Some of world's most productive farmland
- Communities grew and prospered on drier land
- Land generates wealth for local, regional, and state econom
- $\otimes\,$ Taxes generated support schools, roads, and public services

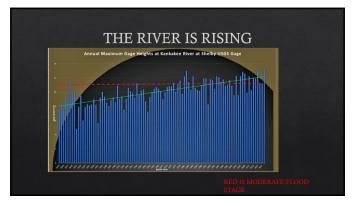














THE DILEMMAS

- \otimes More water in the system
- * More water leads to more erosion
- & Erosion makes it harder to contain the water

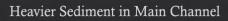
A TRIP DOWN THE KANKAKEE AND YELLOW RIVERS





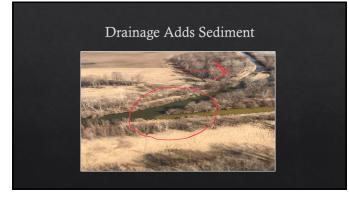




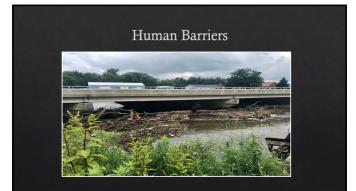


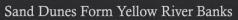














LOGJAMS RESTRICT FLOW



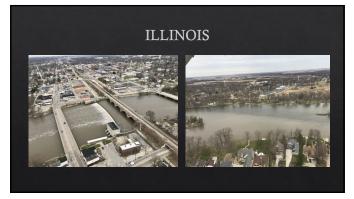


WORK COMPLETED AND PATHS FORWARD



YELLOW RIVER BANK STABILIZATION

 $\underline{40\%}$ of sediment in Kankakee originates in the Yellow River

















BERM REPAIR AND BANK STABILIZATION



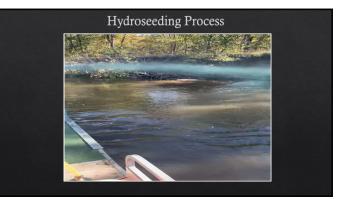


















FLOOD CONDITION RESPONSES Porter County Highway Coordination



UPSTREAM LOGJAM MANAGEMENT



BRIDGE CLEARING





DOWNSTREAM LOGJAM MANAGEMENT

BRIDGE CLEARING















