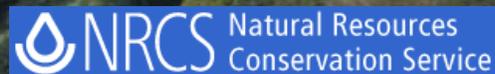
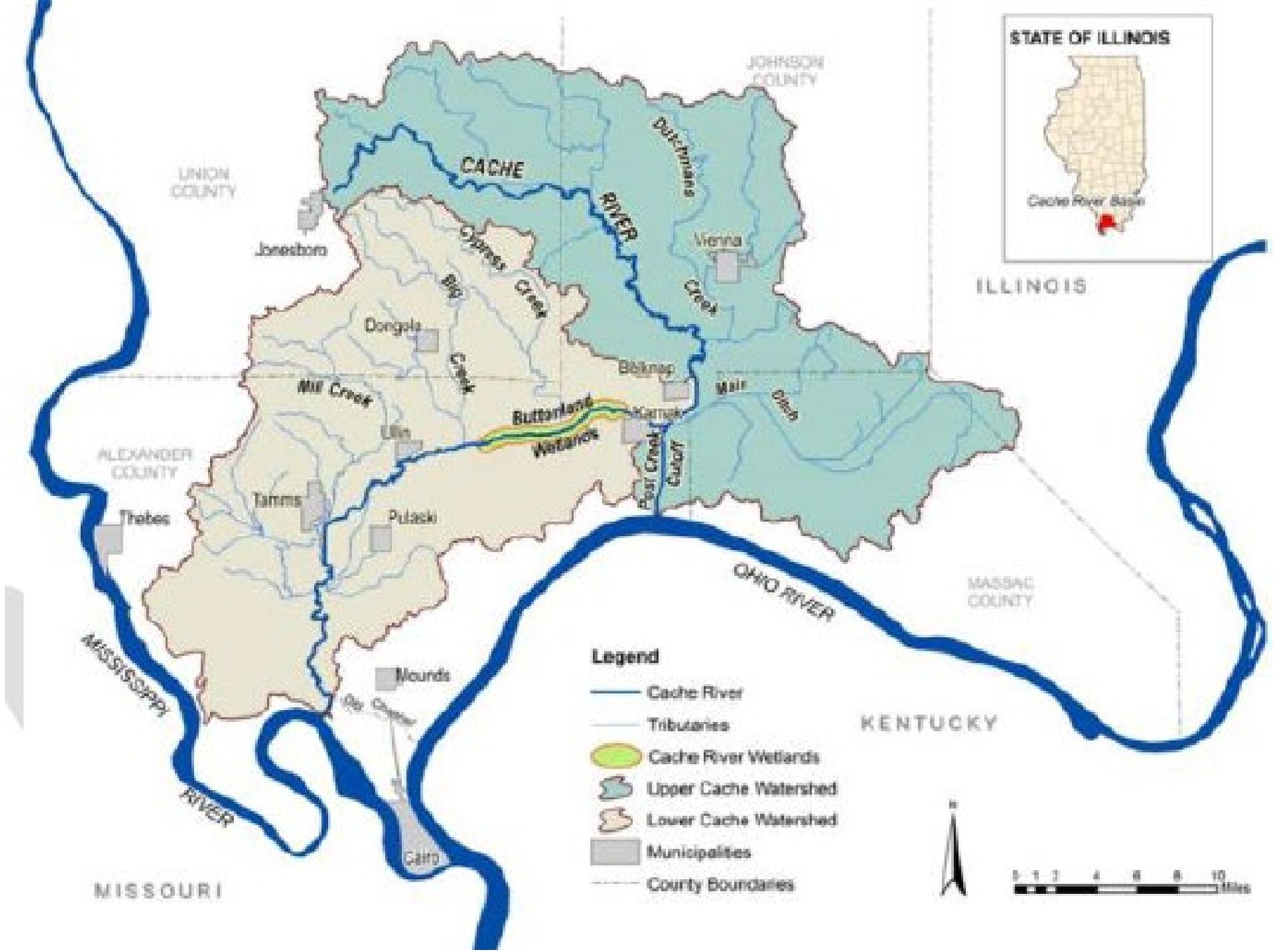


Cache River Joint Venture Partnership: Past, Present, and Future





Legend

- Cache River
- Tributaries
- Cache River Wetlands
- Upper Cache Watershed
- Lower Cache Watershed
- Municipalities
- County Boundaries



Watersheds and Subwatersheds within the Cache River Subbasin (HUC-8 code 07140108)

Legend

- State Boundary
- County Boundary
- HUC 8 Boundary
- HUC-10 Boundary (see color coding)
- HUC-12 Boundary

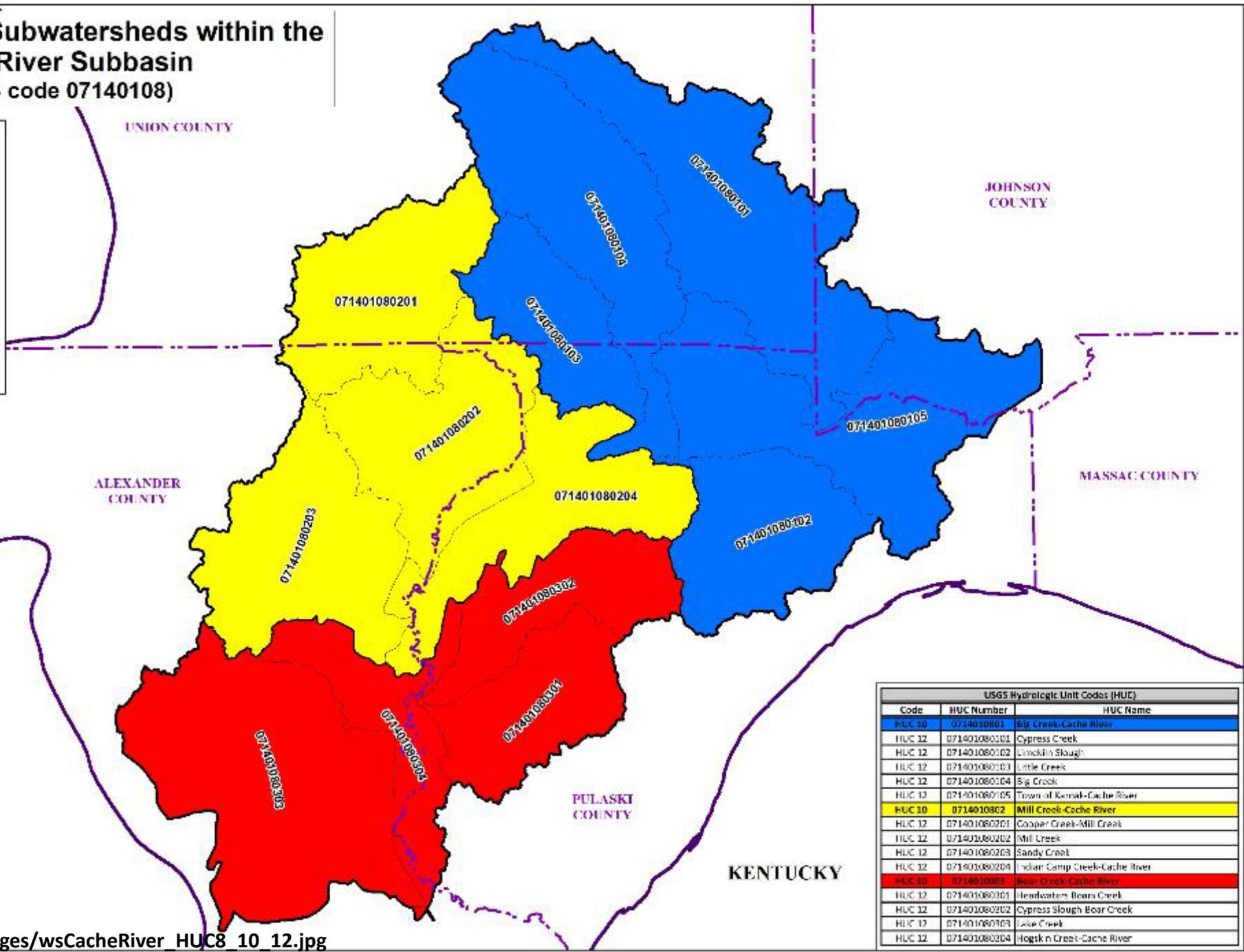
9 mi²
2.25 mi²

0 1.5 3 6
Miles

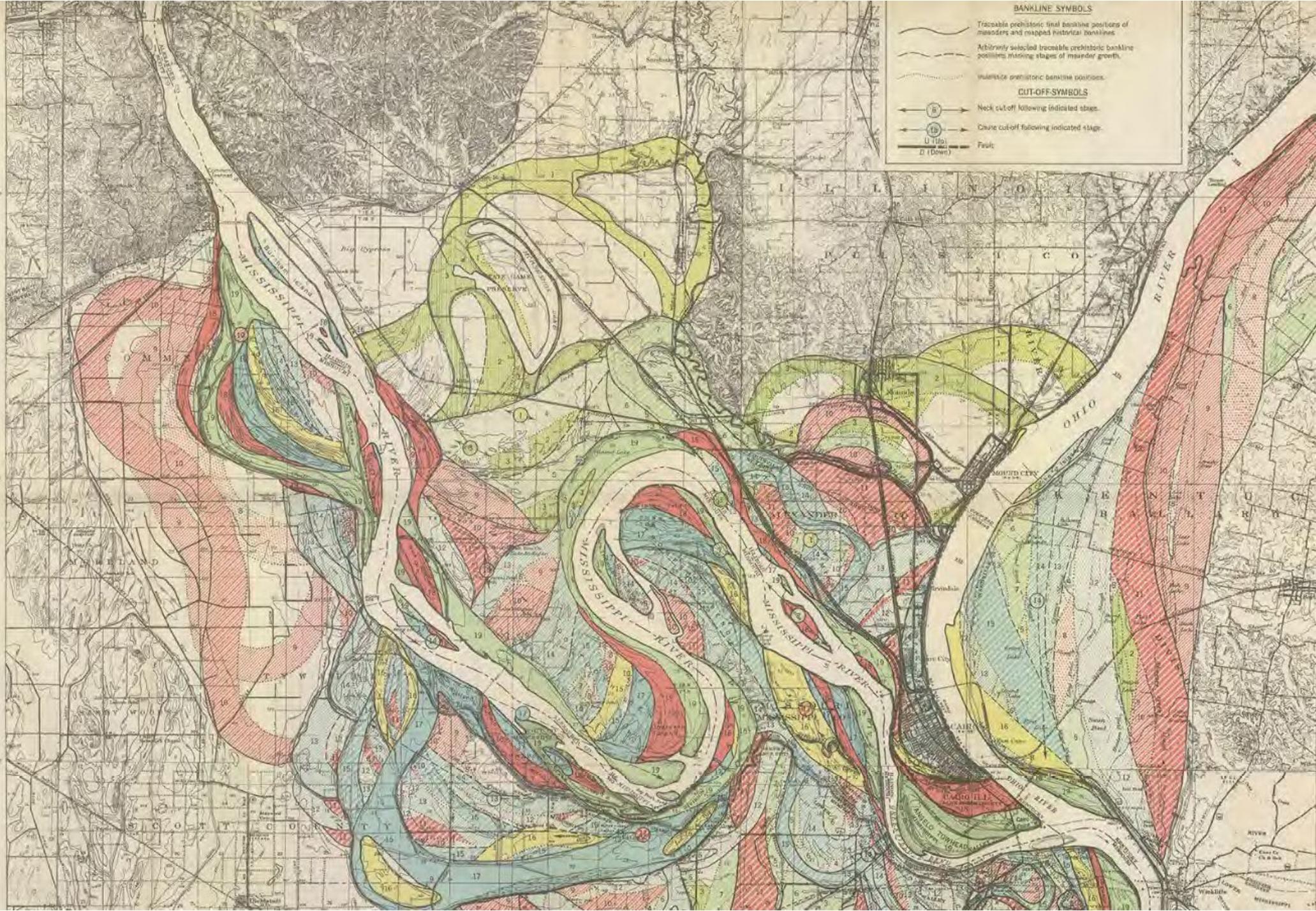
N

Watershed data acquired from the USGS NHD: <https://nhd.usgs.gov>

Watershed Terminology:
 Region = HUC-2
 Subregion = HUC-4
 Basin = HUC-6
 Subbasin = HUC-8
 Watershed = HUC-10
 Subwatershed = HUC-12



USGS Hydrologic Unit Codes (HUC)		
Code	HUC Number	HUC Name
HUC 10	0714010801	Big Creek-Cache River
HUC 12	071401080101	Cypress Creek
HUC 12	071401080102	Lincoln Slough
HUC 12	071401080103	Little Creek
HUC 12	071401080104	Sig Creek
HUC 12	071401080105	Town of Kennel-Cache River
HUC 10	0714010802	Mill Creek-Cache River
HUC 12	071401080201	Copper Creek-Mill Creek
HUC 12	071401080202	Mill Creek
HUC 12	071401080203	Sandy Creek
HUC 12	071401080204	Indian Camp Creek-Cache River
HUC 10	0714010803	Bear Creek-Cache River
HUC 12	071401080301	Headwaters Bears Creek
HUC 12	071401080302	Cypress Slough Bear Creek
HUC 12	071401080303	Lake Creek
HUC 12	071401080304	Hogskin Creek-Cache River



BANKLINE SYMBOLS

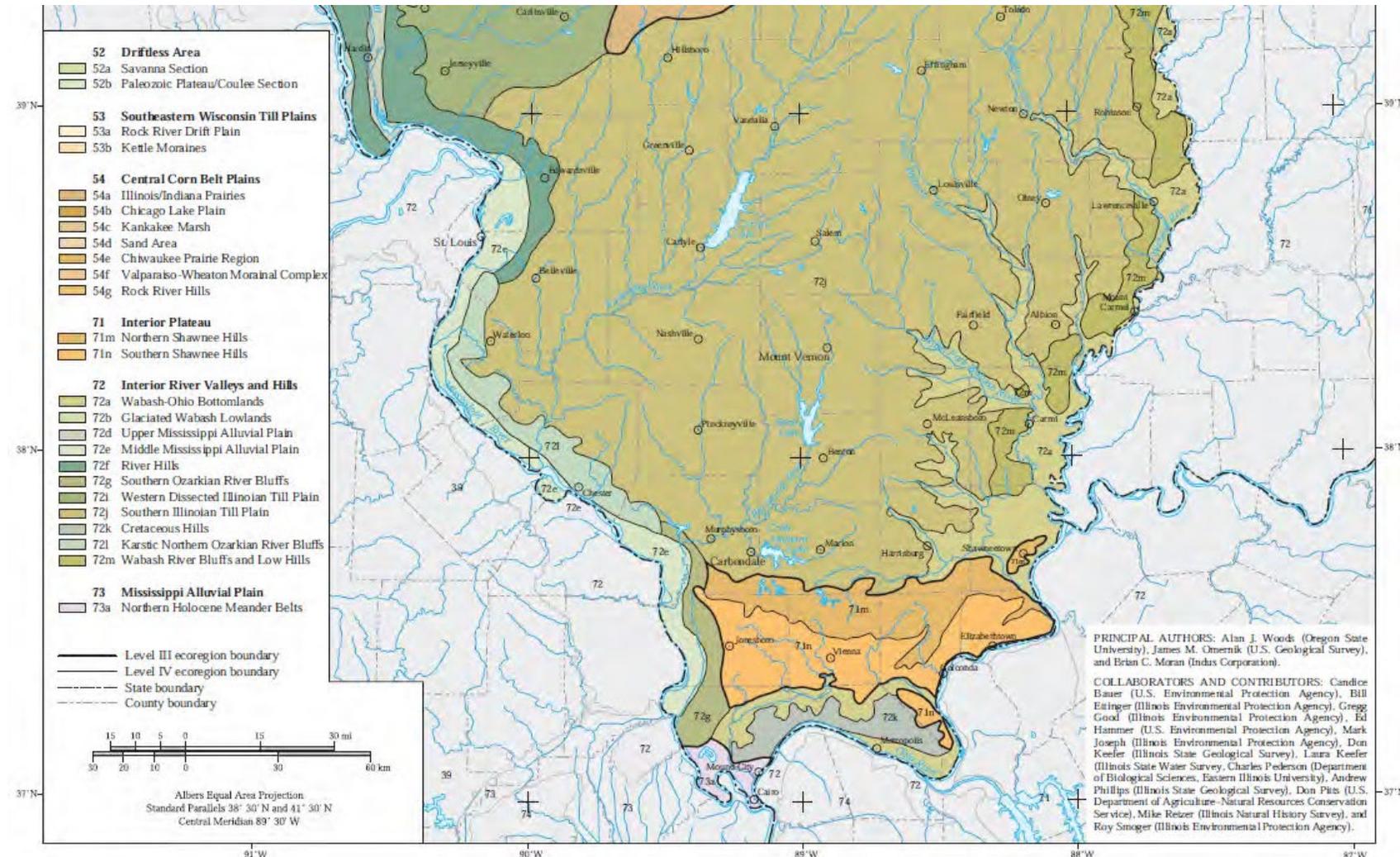
- Traceable prehistoric final bankline positions of meanders and mapped historical banklines
- Arbitrarily selected traceable prehistoric bankline positions marking stages of meander growth
- Untraceable prehistoric bankline positions

CUT-OFF SYMBOLS

- Neck cutoff following indicated stage
- Chute cutoff following indicated stage
- Fault

Cache River Watershed Physiographic Regions

- Ozarks
- Interior Low Plateau
- Upper East Gulf Coastal Plain
- Mississippi River Alluvial Plain



R.C.F.

REPORT OF BOARD
OF
CACHE RIVER DRAINAGE
COMMISSIONERS
OF ILLINOIS

1905

COMMISSIONERS.

W. A. Wall of Mount City, Ill., Chairman,
Andrew Davidson, Metropolis, Ill.,
Hugh H. Copher, Marion, Ill.

State Printing Company
Danville, Illinois

THE CACHE IN 2000

Upper and Lower
Cache River
Watershed Divide

Belknap
Levee
1952

Mississippi
Cutoff
1950

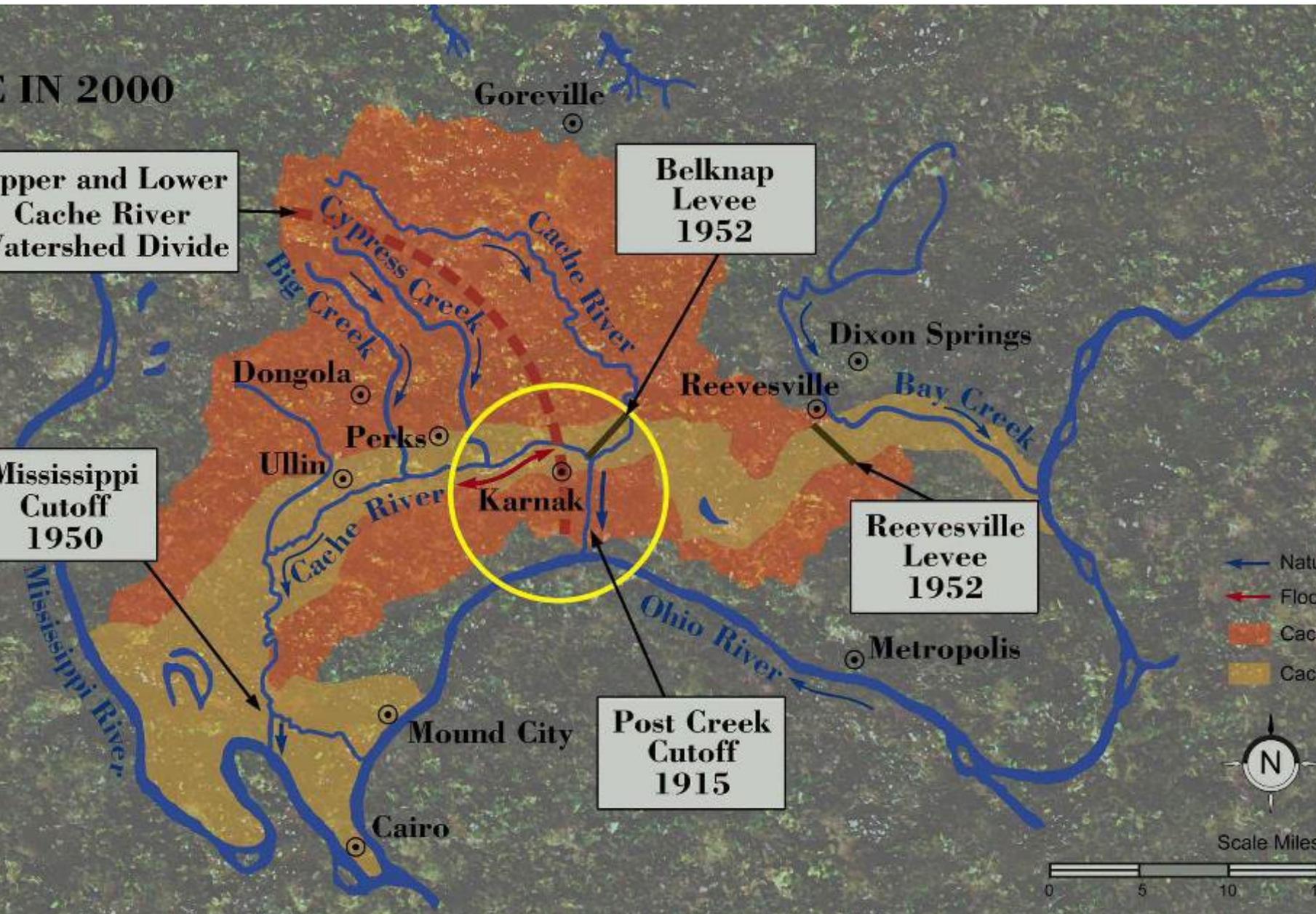
Reevesville
Levee
1952

Post Creek
Cutoff
1915

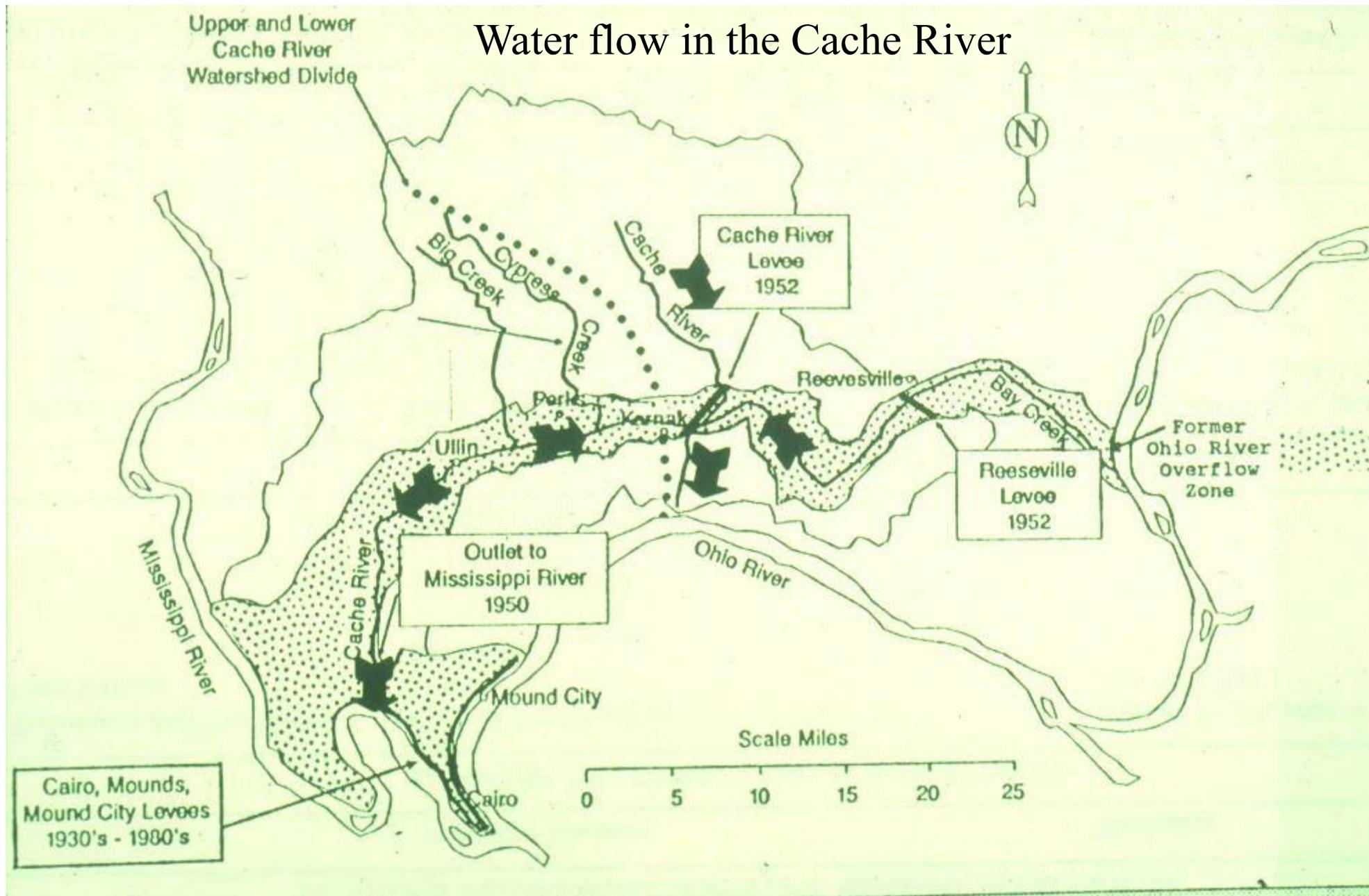
- ← Natural Water Flow
- ← Flood Flow
- Cache River Watershed
- Cache River Floodplain



Scale Miles



Water flow in the Cache River



Cache River Wetlands Project, Illinois

MEMORANDUM OF AGREEMENT

between

U.S. Fish and Wildlife Service, Department of the Interior

and

Illinois Department of Conservation

and

Ducks Unlimited, Inc.

and

The Nature Conservancy

I. PURPOSES

This agreement, made this September 25, 1993 by and between the U.S. Fish and Wildlife Service, Department of the Interior (hereinafter referred to as "Service"); the Illinois Department of Conservation (hereinafter referred to as "Department"); Ducks Unlimited, Inc. a non-profit corporation (hereinafter referred to as "Ducks Unlimited"); and The Nature Conservancy, a non-profit corporation (hereinafter referred to as "Conservancy") is hereby entered into under the authority of the Fish and Wildlife Coordination Act (48 Stat. 401 as amended; 16 U.S.C. 661; and 16 U.S.C. 752f).

WHEREAS, the North American Waterfowl Management Plan is a policy document entered into by the United States, Canada, and Mexico setting forth a framework and guidelines for managing and enhancing waterfowl populations; and

WHEREAS, efforts to contribute to the goals of the North American Waterfowl Management Plan can also contribute to protecting and enhancing populations of rare or endangered plants and animals and other fish and wildlife species as well as protecting natural biological diversity and improving the quality of the human environment; and

WHEREAS, the Lower Mississippi Valley Joint Venture was established to protect, restore, and enhance critical habitat in the joint venture area through cooperative projects involving Federal and State agencies and private organizations; and

Conservation History

- Citizens to save the Cache River
- The Nature Conservancy
- State Natural Area (1987)
- Cypress Creek NWR (1990)
- Original MOU 1993
 - US Fish & Wildlife Service, Ducks Unlimited, Illinois Department of Natural Resources, The Nature Conservancy

Objectives

- A. To protect natural habitat and endangered species, and restore and manage habitat for waterfowl and other native fish and wildlife within the Cache River watershed;
- B. To assist in accomplishing the objectives of the North American Waterfowl Management Plan, the Lower Mississippi Valley Joint Venture, and the Illinois Natural Areas Plan by designing, acquiring and managing an ecological reserve as a public/private joint venture;
- C. To protect certain unique cultural importance identified Landmark program and/or the Inventory; areas of ecological and by the National Natural Illinois Natural Areas
- D. To protect important or unique natural features including, but not limited to: especially old or large individual trees, rookeries and nesting areas, and scenic areas er views;
- E. To protect and improve the condition and functional integrity of the entire Cache River ecosystem by improving land use and natural resource management practices on both public and private lands within the watershed; and
- F. **To facilitate coordination and cooperation among public agencies and private interests** in planning and implementing new and existing conservation programs in the Cache River watershed; To facilitate coordination and cooperation among public agencies and private interests in planning and implementing new and existing conservation programs in the Cache River watershed;

The Joint Venture Partnership's mission is to protect and restore the Cache River's natural ecosystem and to provide recreational experiences in ways that are compatible with continued human use of the watershed.



- To facilitate coordination and cooperation among public agencies and private interests in planning and implementing new and existing conservation programs in the Cache River Watershed.
- To protect and improve the condition and functional integrity of the entire Cache River ecosystem by improving land use and natural resource management practices on both public and private land within the watershed.
- To protect natural habitat and endangered species, and restore and manage habitat for waterfowl and native fish and wildlife within the Cache River watershed.
- To assist in accomplishing the objectives of the North American Waterfowl Management Plan, the Central Hardwoods Joint Venture, and the Illinois Natural Areas Plan by designing, acquiring, and managing an ecological reserve as a public/private joint venture.
- To protect certain unique areas of ecological and cultural importance identified by the National Natural Landmark program and/or the Illinois Natural Areas Inventory; and To protect important or unique natural features including, but not limited to especially old or large individual trees, rookeries and nesting areas, and scenic areas or views.

MEMORANDUM OF UNDERSTANDING
by and between

US FISH AND WILDLIFE SERVICE,

DUCKS UNLIMITED, INCORPORATED,

ILLINOIS DEPARTMENT OF NATURAL RESOURCES,

THE NATURE CONSERVANCY,

USDA NATURAL RESOURCES CONSERVATION SERVICE

This MEMORANDUM OF UNDERSTANDING is hereby entered into by and between the agencies and organizations listed above.

A. PURPOSE: The purpose of this Memorandum of Understanding is to establish a general framework of cooperation between the parties of the Cache River Joint Venture Partnership ("the Partnership") to achieve the common goal of restoring or otherwise enhancing the natural resources of the Cache River watershed.

Partners aim to achieve this goal through public resource management, resource compatible economic development, private lands conservation, and education and outreach.

The partners have determined that it is to their mutual benefit to cooperate in support of the following common purposes:

To facilitate coordination and cooperation among public agencies and private interests in planning and implementing new and existing conservation programs in the Cache River Watershed.

To protect and improve the condition and functional integrity of the entire Cache River ecosystem by improving land use and natural resource management practices on both public and private land within the watershed.

To protect natural habitat and endangered species, and restore and manage habitat for waterfowl and native fish and wildlife within the Cache River watershed.

To assist in accomplishing the objectives of the North American Waterfowl Management Plan, the Central Hardwoods Joint Venture, and the Illinois Natural Areas Plan by designing, acquiring, and managing an ecological reserve as a public/private joint venture.

To protect certain unique areas of ecological and cultural importance identified by the National Natural Landmark program and/or the Illinois Natural Areas Inventory; and

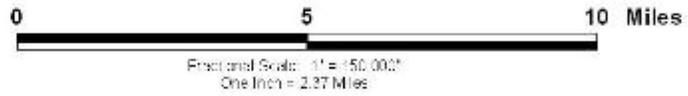
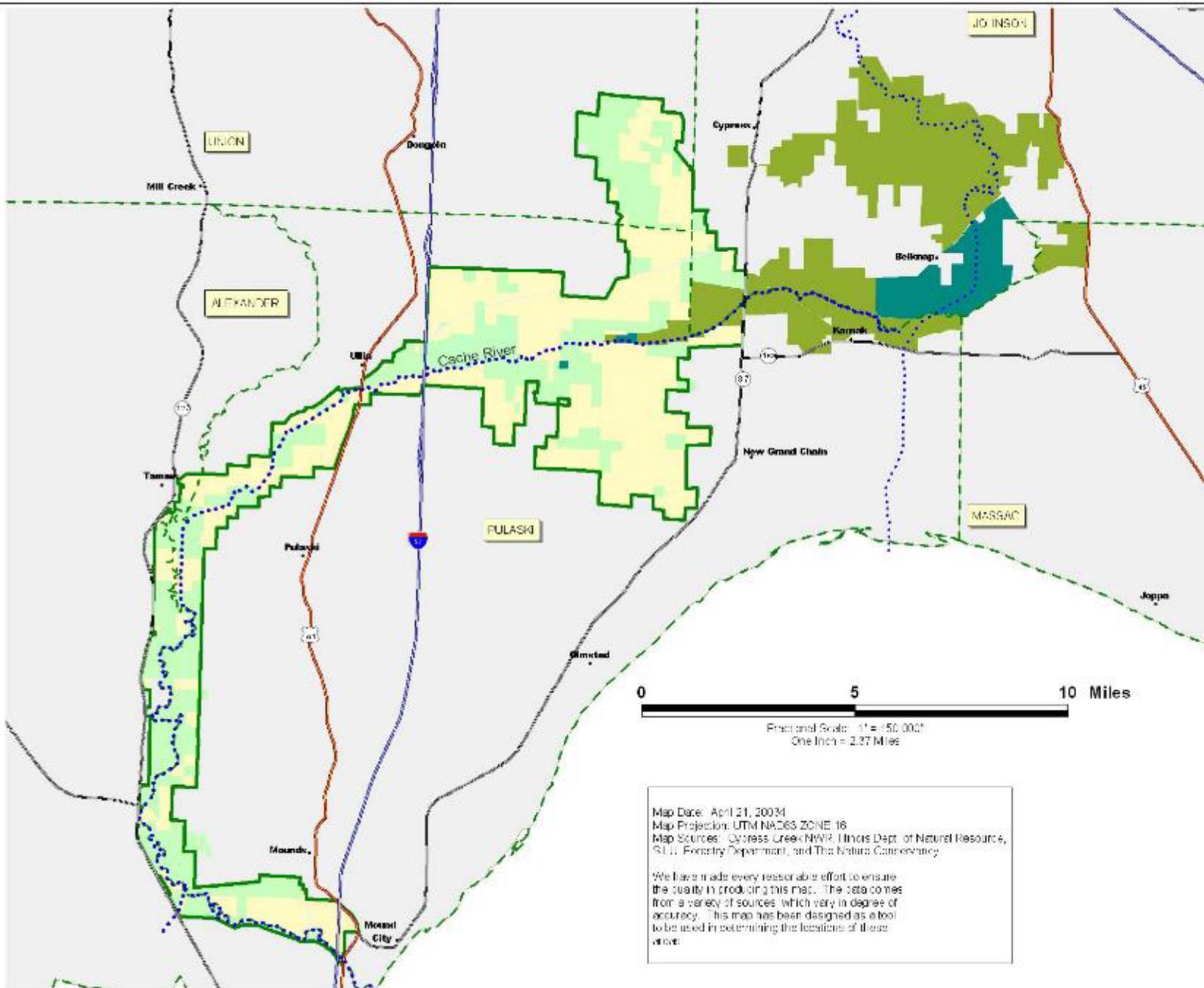
Cache River Wetlands Joint Venture Partnership Public Lands

Legend

- Waterways
- Communities
- Interstate Transportation System
- U. S. Transportation System
- State Transportation System
- County Boundary
- Cypress Creek National Wildlife Refuge Acquisition Boundary

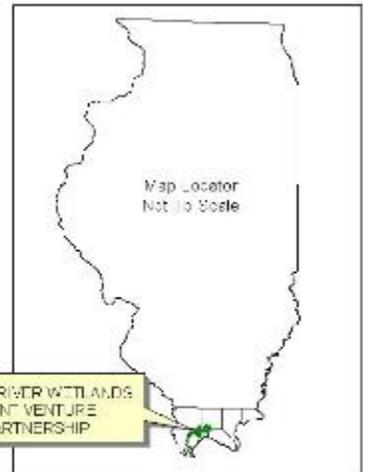
Ownership

- USFWS
- IDNR
- INC
- Private

Map Date: April 21, 2003
 Map Projection: UTM NAD83 ZONE 16
 Map Sources: Cypress Creek NWR, Illinois Dept. of Natural Resources, S.U. Forestry Department, and The Nature Conservancy

We have made every reasonable effort to ensure the quality in producing this map. The data comes from a variety of sources which vary in degree of accuracy. This map has been designed as a tool to be used in determining the locations of these areas.



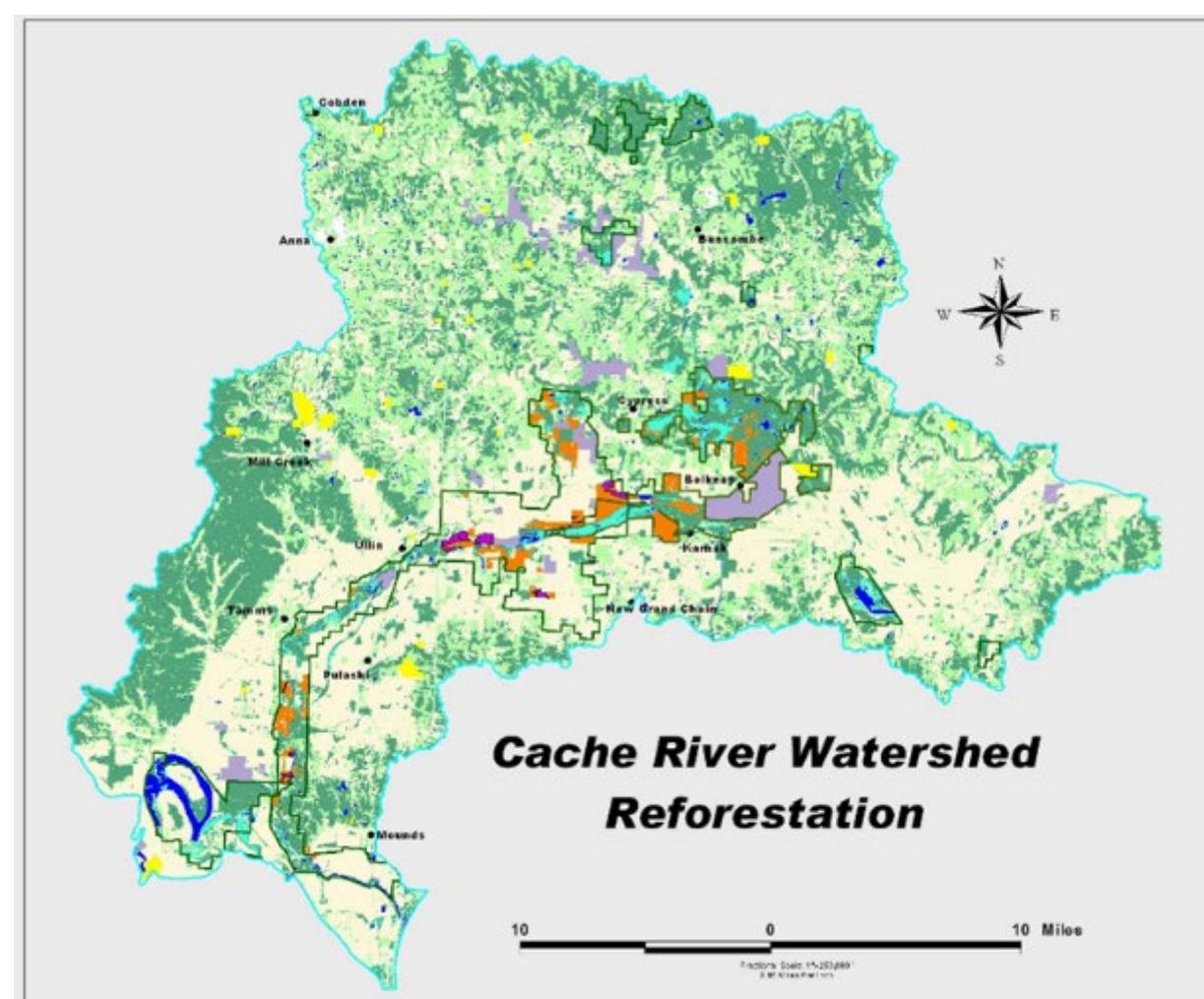
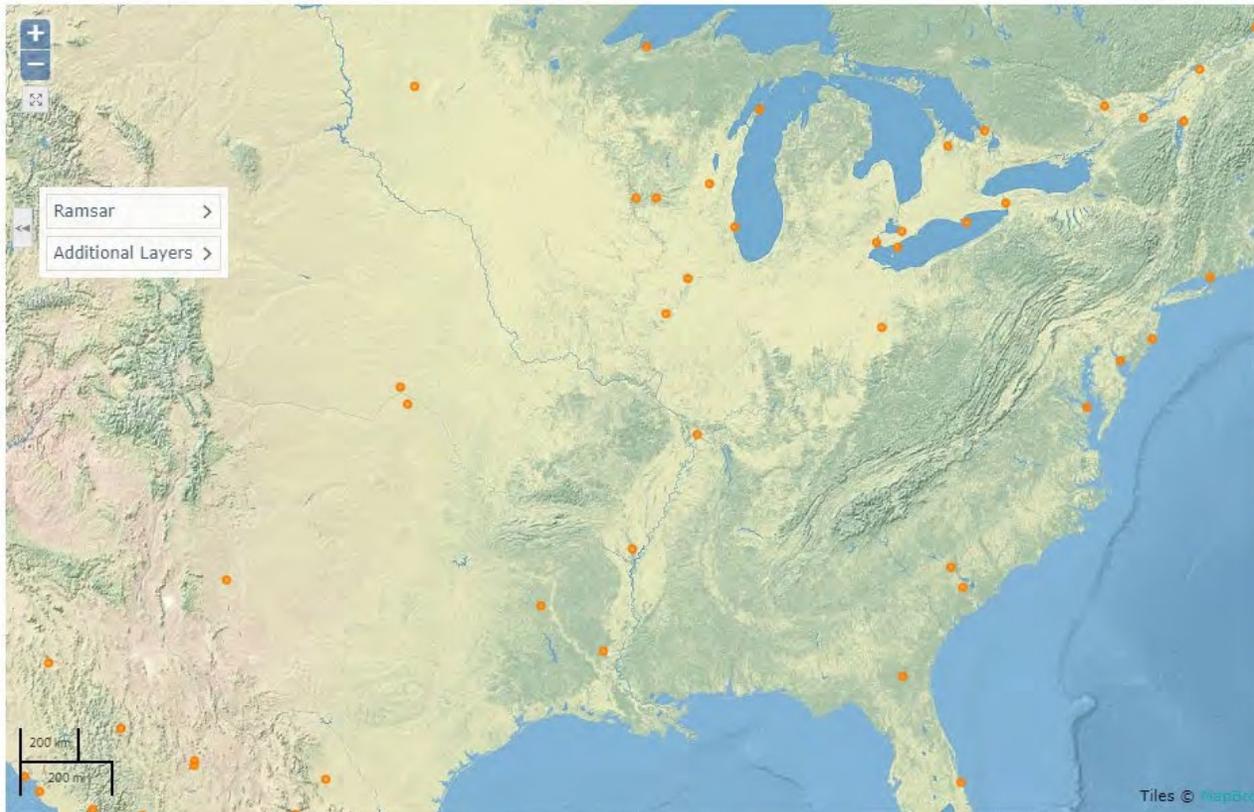


National Natural Landmarks

- Lower Cache River Swamp
 - Est. 1980
 - Private, state, and federal ownership; 1,347 acres
- Heron Pond-Little Black Slough Natural Area
 - Est. 1972
 - State ownership; 6,439 acres



- Designated a RAMSAR Wetland of International Importance due to species diversity in 1996





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- Zoology

Cache River Watershed

Welcome to the Cache River Watershed pages. We hope that this resource will be of use to those interested in this area in Southern Illinois. Please contact us with any suggestions or questions. This resource was originally created as a bibliography by the members of the first-year [SIUC IGERT Watershed Science and Policy](#) cadre (Kim Erndt, Alicia Lloyd, Amanda Nelson, Kristen Pitts, Nicolas Sarkany, and Timothy Stoebner). We want to thank them and Anja Meksem, the IGERT coordinator at that time. We also want to thank Elizabeth Jones of the Cypress Creek National Wildlife Service for her assistance.

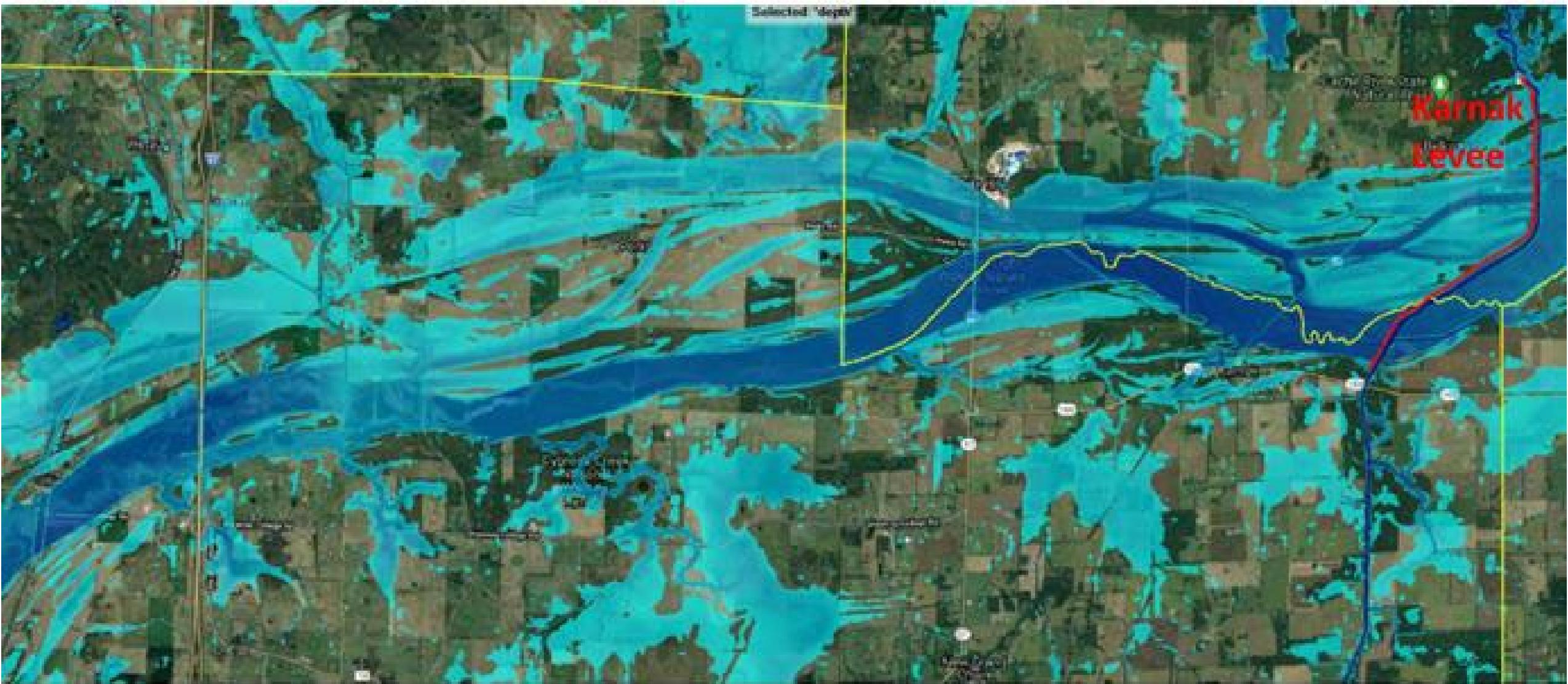
OpenSIUC, SIU Carbondale's institutional repository, has a [section on the Cache River, IL](#) with links to many recent articles, and abstracts of theses and dissertations at http://opensiuc.lib.siu.edu/env_cache.

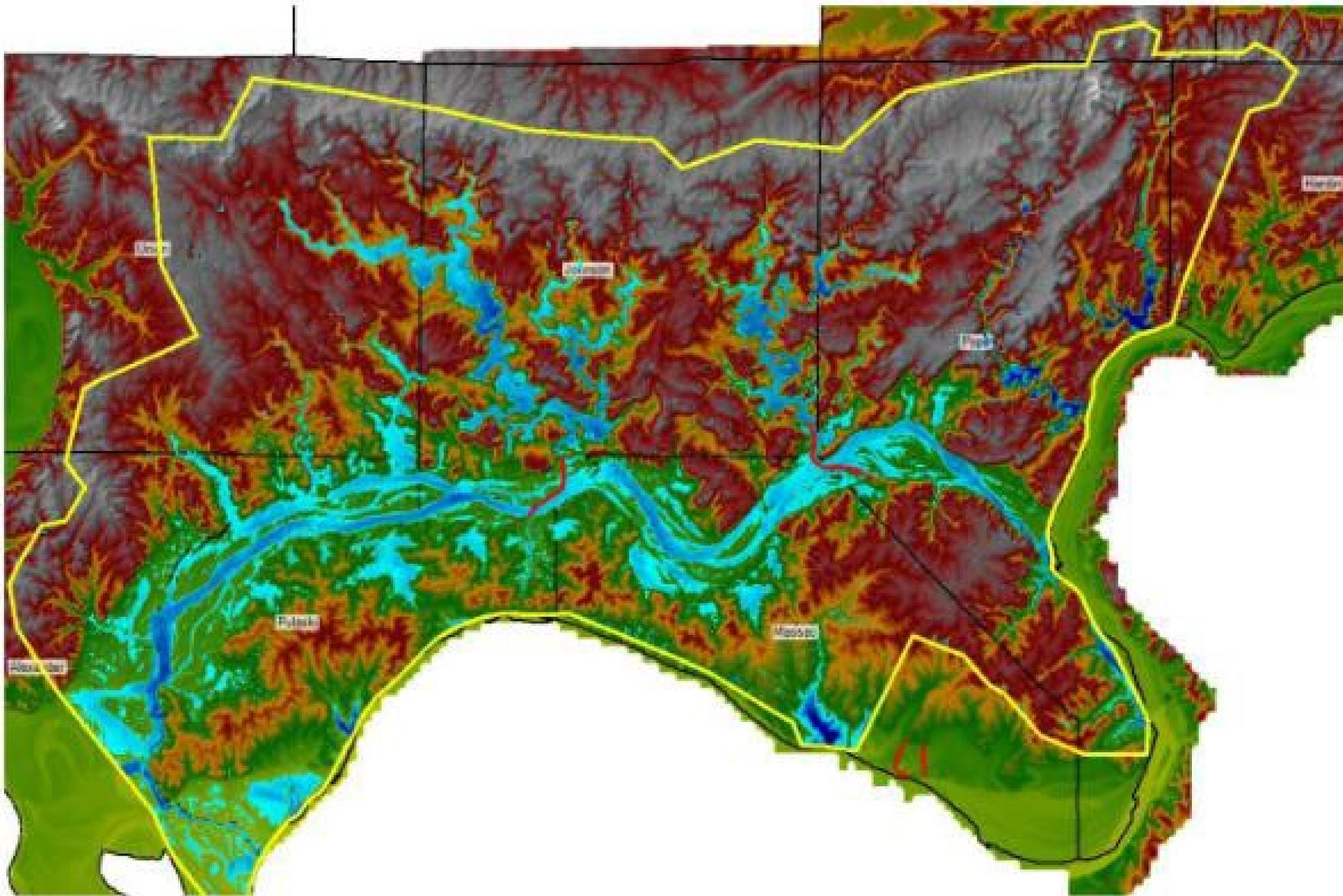
Many items are linked to subscription full text documents that require Southern Illinois University Carbondale IDs and passwords for access (available for SIUC students, staff, and

Get Help Here

Jennifer Horton, Science Librarian
jhorton@lib.siu.edu

Mary Taylor, Natural Sciences Librarian
mtaylor@lib.siu.edu





- 2-Dimensional, Unsteady State HEC-RAS
- Rain-on-Grid



Moving Forward

