

RIVERACTION.ORG



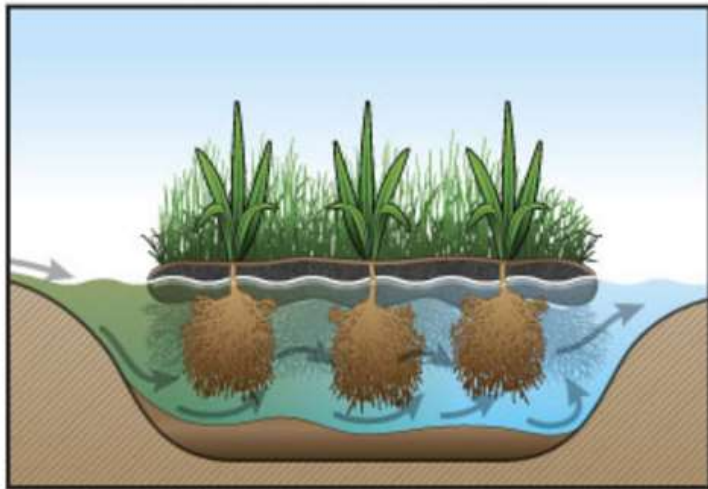
Osprey boxes



Floating islands



Host pond with FTW Island

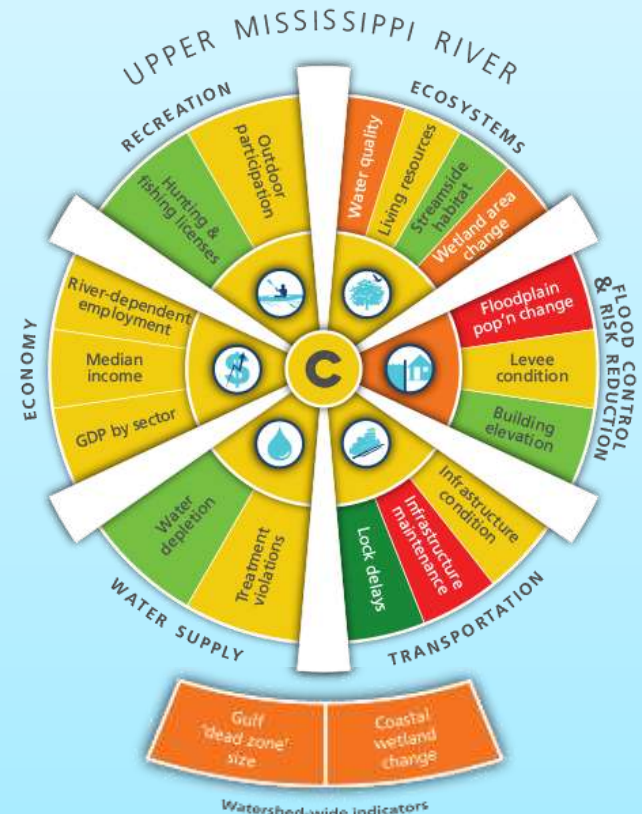


The two key factors to mimicking the Wetland Effect are circulation and surface area, both of which are eco-orchestrated with BioHaven FTWs.



Upper Mississippi River Conference

Oct. 11-12, 2017 at iWireless Center



The 2015 AWI report card gave the **Upper Mississippi River** a 'C'.



www.riveraction.org/UMRC

Photo by Brian Achenbach - Dispatch/Argus



Rep. Dave Loeb sack and Dr. Heath Kelsey

The UMRC Raise the Grade Action Agenda was delivered to Washington, DC in January 2017.



**Rep. Ron Kind (WI)
Chair of Mississippi River Caucus**



Rep. Cheri Bustos (IL) and Dr. Kelsey

Unlocking Hydropower on the Mississippi River

July 18, 2017 at WIU in Moline

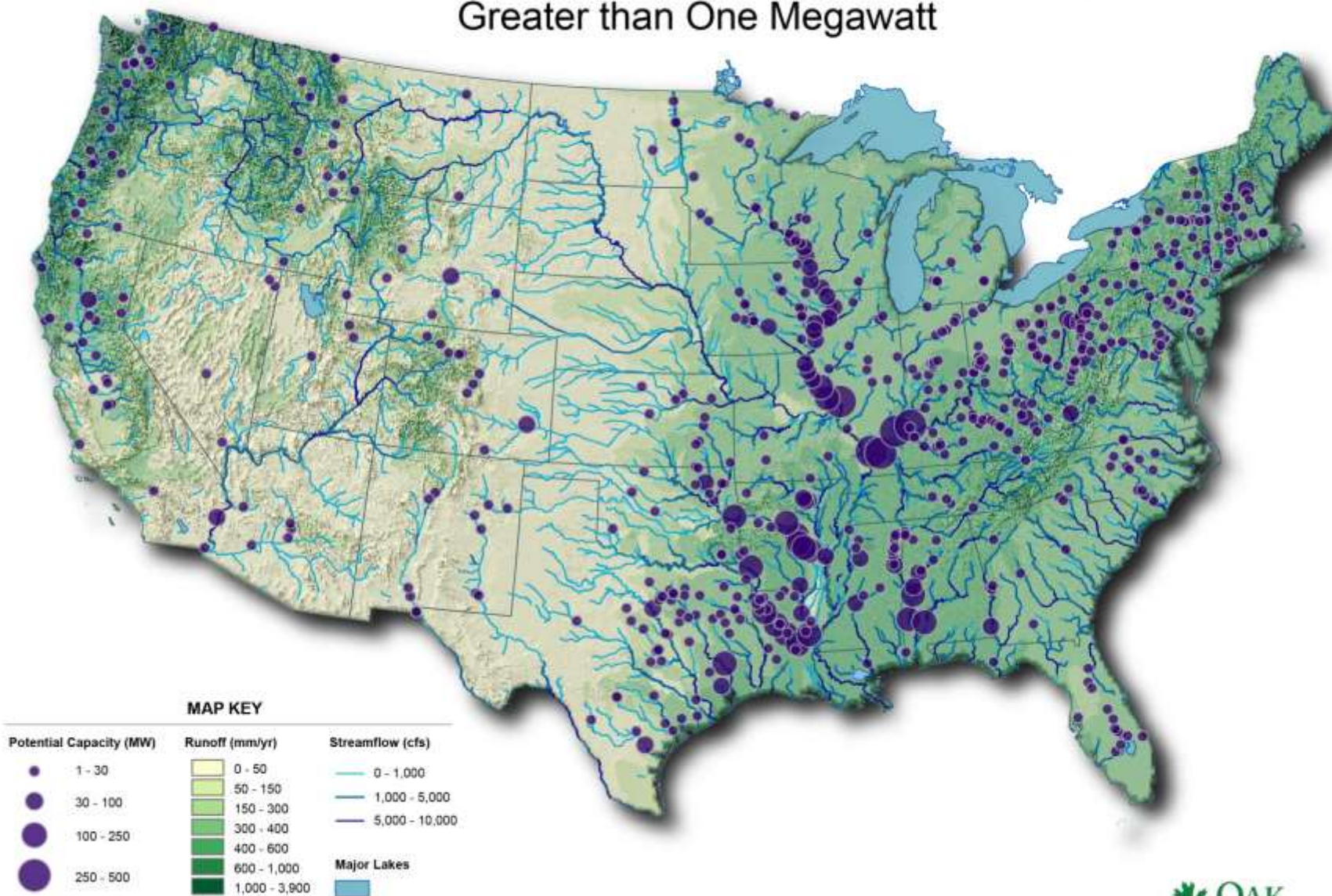


**Improve awareness
of hydropower
opportunities in the
Upper Mississippi
River basin**





U.S. Non-powered Dams with Potential Capacity Greater than One Megawatt

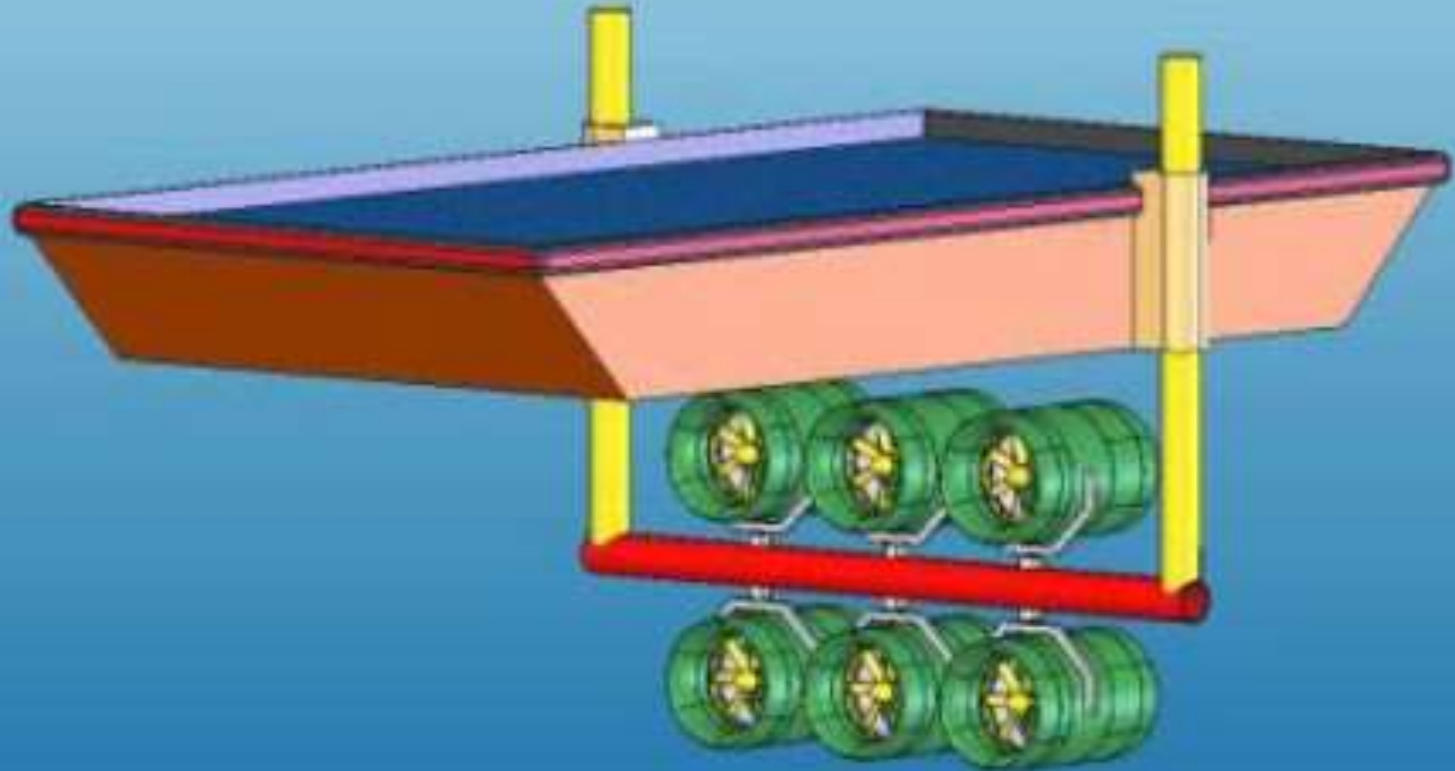


Note: This map has been generalized for cartographic purposes and some streams associated with non-powered dams are not displayed.

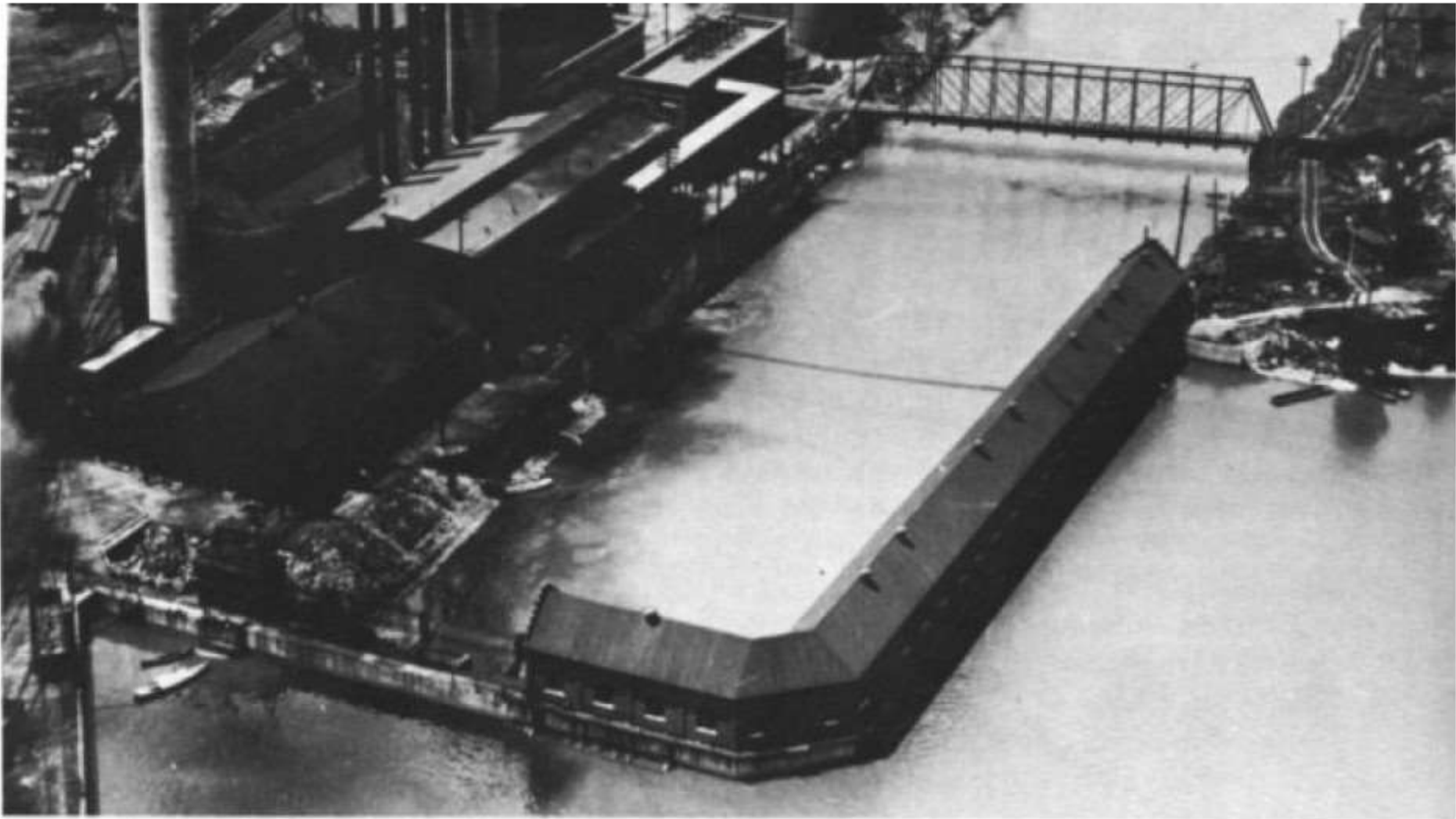
Author: Brenna Elrod - November 7, 2013

This map was produced by Oak Ridge National Laboratory for the U.S. Department of Energy.

Barge with submerged, in-stream turbine grid



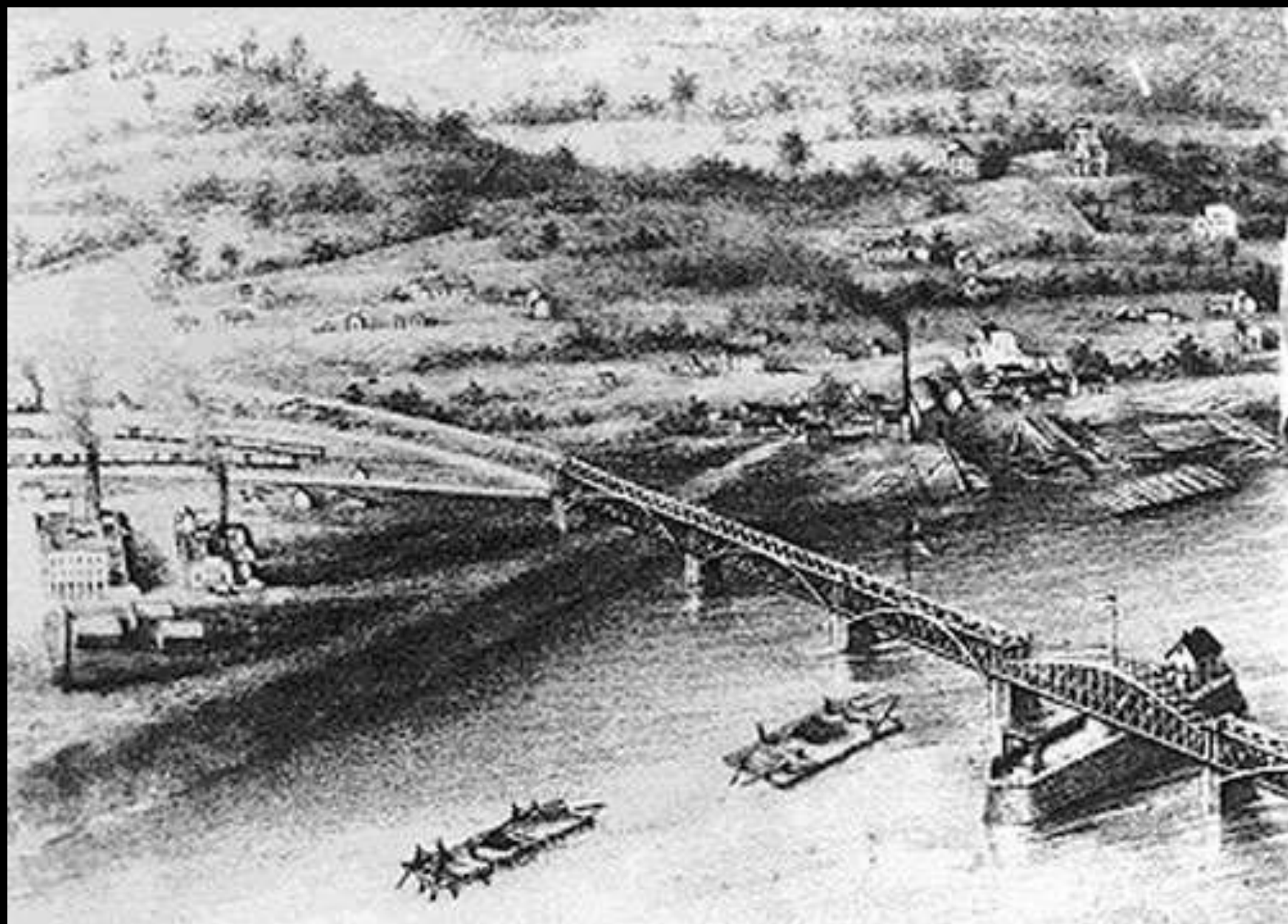
1896 MOLINE WATER POWER COMPANY DAM



(Above) This aerial photo, taken sometime before 1940, shows the L-shaped dam built in 1896 for the Moline Water Power Company. About half of this dam was demolished during 1940 when the present dam was built. (Below) This is an interior view taken in 1941 of the remodeled dam structure. The four hydro generators are still in operation today.



DAVENPORT, IA. 1856



First Bridge



Proposed Bridge – Driver's View from East River Drive – Day

ECONOMIC CATALYST

Since the Master Planning of the River Heritage Park site began in 2010, the following new projects have been proposed within a ¼ mile radius of the site:

- Riverwatch Place Redevelopment
 - Proposed New 6 Story Building
 - 60,000 Proposed Class A Office Space
 - East Downtown Gateway Feature
- Downtown YMCA Campus
 - 11,000 SF Early Childhood Learning Center
 - 60,000 SF Proposed Fitness Center
 - 50-95 Proposed Housing Units
 - 20,000+ SF Proposed Mixed Use
 - Additional Open Space
- Crescent Warehouse District
 - Historic Adaptive Reuse
 - 250 Housing Units in last 6 years
 - 56 Proposed Housing Units
- Harborview Redevelopment
 - Historic Adaptive Reuse
 - 115 Proposed Housing Units
 - 100,000 SF Proposed Mixed Use
- Riverview on 6th Street
 - New and proposed single family units



2016 Central States ASLA Awards

Category II

Project Name: River Heritage Park at First Crossing

First Bridge

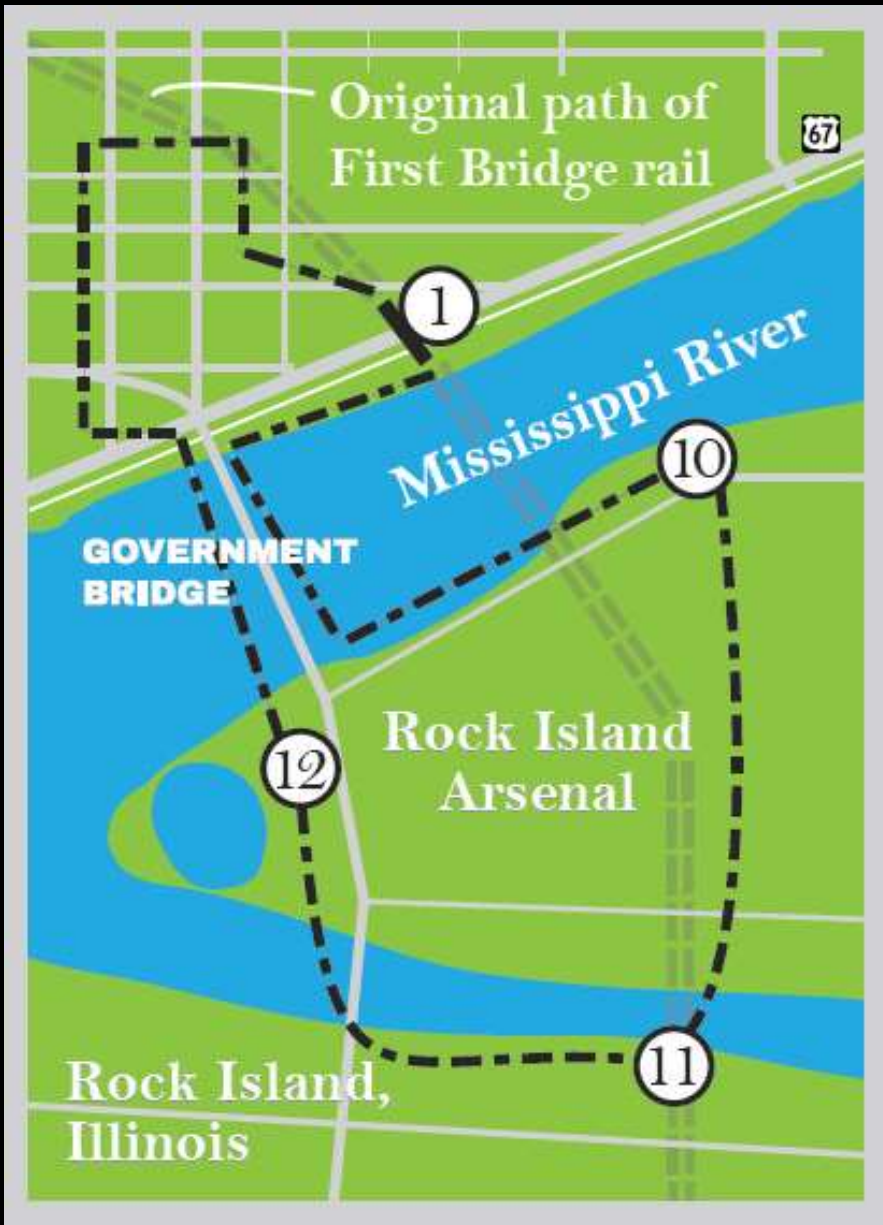


Proposed Bridge – Driver's View from East River Drive – Night

Museum Without Walls & First Bridge

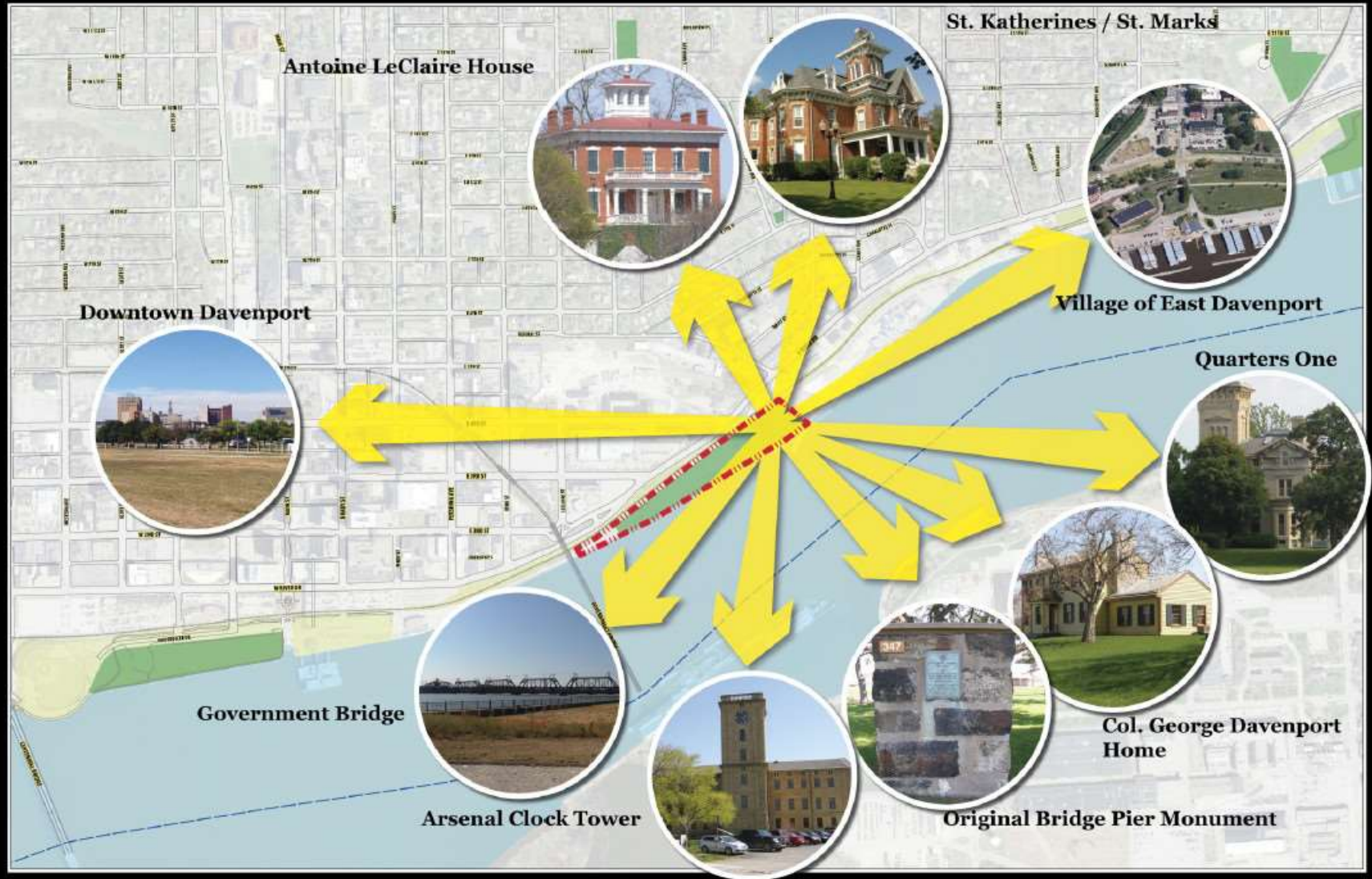


- ① **First Bridge** (1856) A historical replica that recreates one 250-foot span of the first rail crossing of the Mississippi River and will provide safe access to the existing trail and park system.



- ② Black Hawk Treaty signing (1832) (unmarked)
③ Antoine LeClaire House (1855)
④ Fred B. Sharon House (1891)
⑤ Dred Scott marker (1843)
⑥ "Lincoln with Boy on Bridge" (statue commemorating the 1857 case argued by Abraham Lincoln)
⑦ John Brown Freedom Trail across Iowa (1855)
⑧ Mormon Wagon Trail (1846-68) (unmarked)
⑨ River Heritage Park
⑩ Col. Davenport House (1833)
⑪ Rock Island pier of First Bridge (1856) (unmarked)
⑫ Fort Armstrong (1816-36)

SITE ANALYSIS: HISTORIC VIEWSHED ANALYSIS



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DAVENPORT BRIDGE OF 1856

NEAR THIS SPOT AND UPON
THESE STONES RESTED THE
FIRST BRIDGE TO SPAN THE
MISSISSIPPI RIVER

THE FIRST TRAIN CONSISTING
OF A LOCOMOTIVE AND
EIGHT CARS PASSED OVER
THE BRIDGE APRIL 22, 1856

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First Bridge at RIA

SITE ANALYSIS: HISTORIC EVENT SIGNIFICANCE



**September 21, 1832:
Signing of the Black
Hawk Treaty**



Chief Keokuk

As a condition of the Black Hawk Treaty, Chief Keokuk ceded lands as outlined in exchange for a 400-square-mile reserve along the Iowa River near the confluence with the Mississippi.



Ceded Lands



Black Hawk

Sauk warrior who fought valiantly to protect his people's homeland from non-native settlement. Treaty signaled the formal end of the Black Hawk War and ended Sauk and Fox tribal presence east of the Mississippi.



Antoine LeClaire

Served as official treaty interpreter between U.S. Government and Sauk-Fox representatives. For his role, one section of land was ceded to him upon which the City of LeClaire now stands. He later became an instrumental figure in the City of Davenport's founding and was responsible for the layout of the original town plat.



A portion of the LeClaire Reserve became Eastern terminus for the M.&M. R.R. of which became an instrumental link in the development of the trans-continental railroad.



Abraham Lincoln

Rises to national prominence by representing the railroad industry in ensuing lawsuit *Hurd et al. vs. the Rock Island Railroad*

**May 6, 1856:
Steamboat *Effie Afton*
Collides into Bridge**



**April 22, 1856:
First Mississippi River Bridge
Span Opens**

Linking Chicago & Rock Island Railroad in Illinois with Mississippi & Missouri Railroad in Iowa.



Chicago, Rock Island & Pacific Railroad

July 9, 1866
Founded as a merger between the Mississippi & Missouri and Chicago and Rock Island Railroads.



General Winfield Scott

Namesake of Scott County for his role in the treaty signing.



Marguerite LeClaire

One section of land upon which the treaty was signed (**LeClaire Reserve**) was ceded to her upon the condition that she and her husband build their home on the exact spot where the treaty was signed.

Along with Governor Reynolds of Illinois, purchased a 50-mile wide swath of land from the Sauk-Fox Nations for \$640,000. Making it the first lands west of the Mississippi open to non-native settlement.

Davenport is arguably where westward expansion began.



LeClaire Reserve



Treaty House



**May, 1836: City of
Davenport founded.**

Adjacent land to the LeClaire Reserve owned by LeClaire was developed as the new town site.



**1837:
Survey of Rock Island Rapids**



Lt. Robert E. Lee

Conducted the survey for the U.S. Army Corps of Engineers.

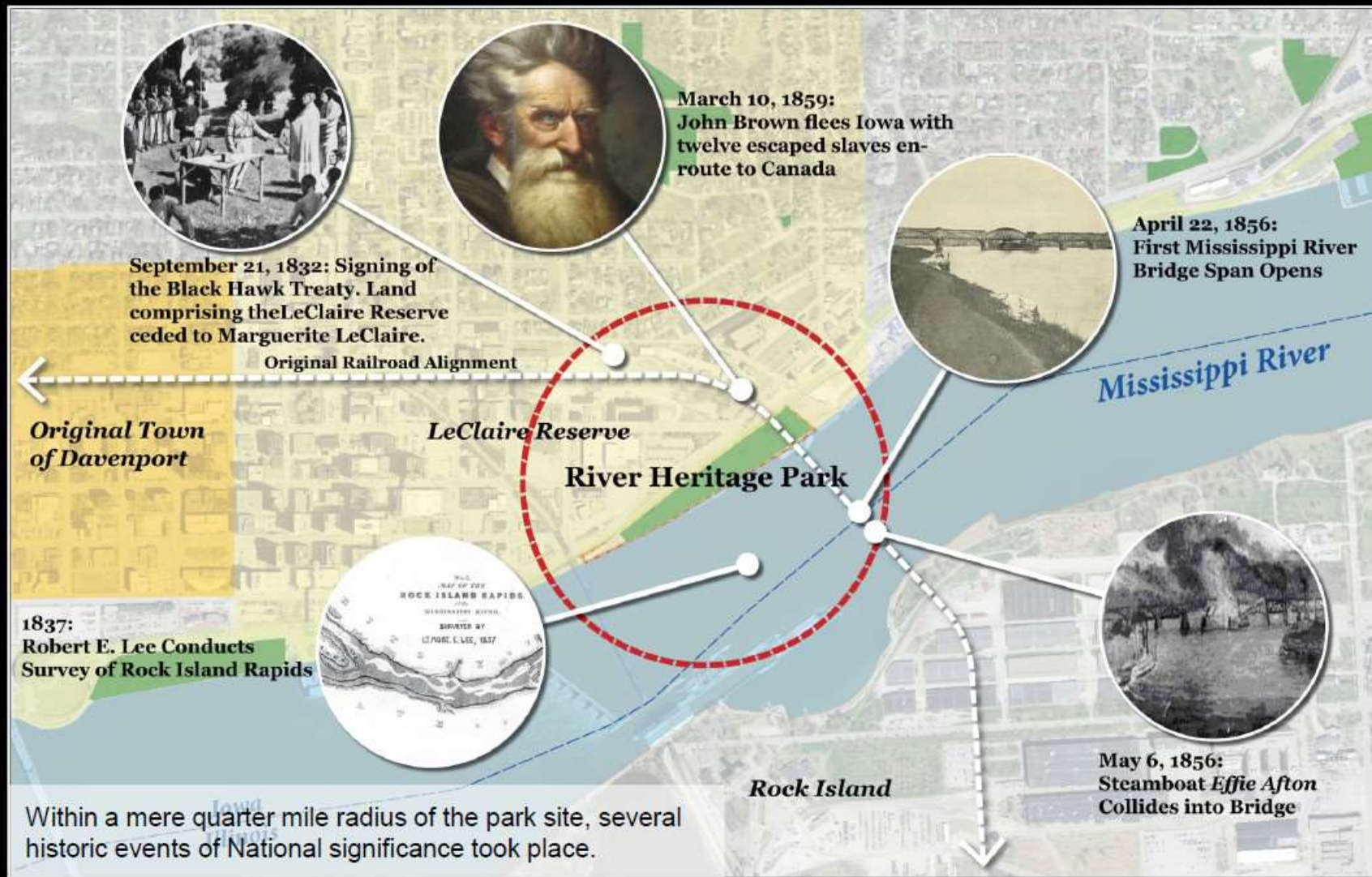


Col. George Davenport

Supplier and one time assistant quartermaster at Fort Armstrong. Davenport became the City namesake and partner in the town's founding in 1836.

Later findings determine that this stretch of the Mississippi River is ideal for a bridge crossing.

SITE ANALYSIS: HISTORIC EVENT RESEARCH

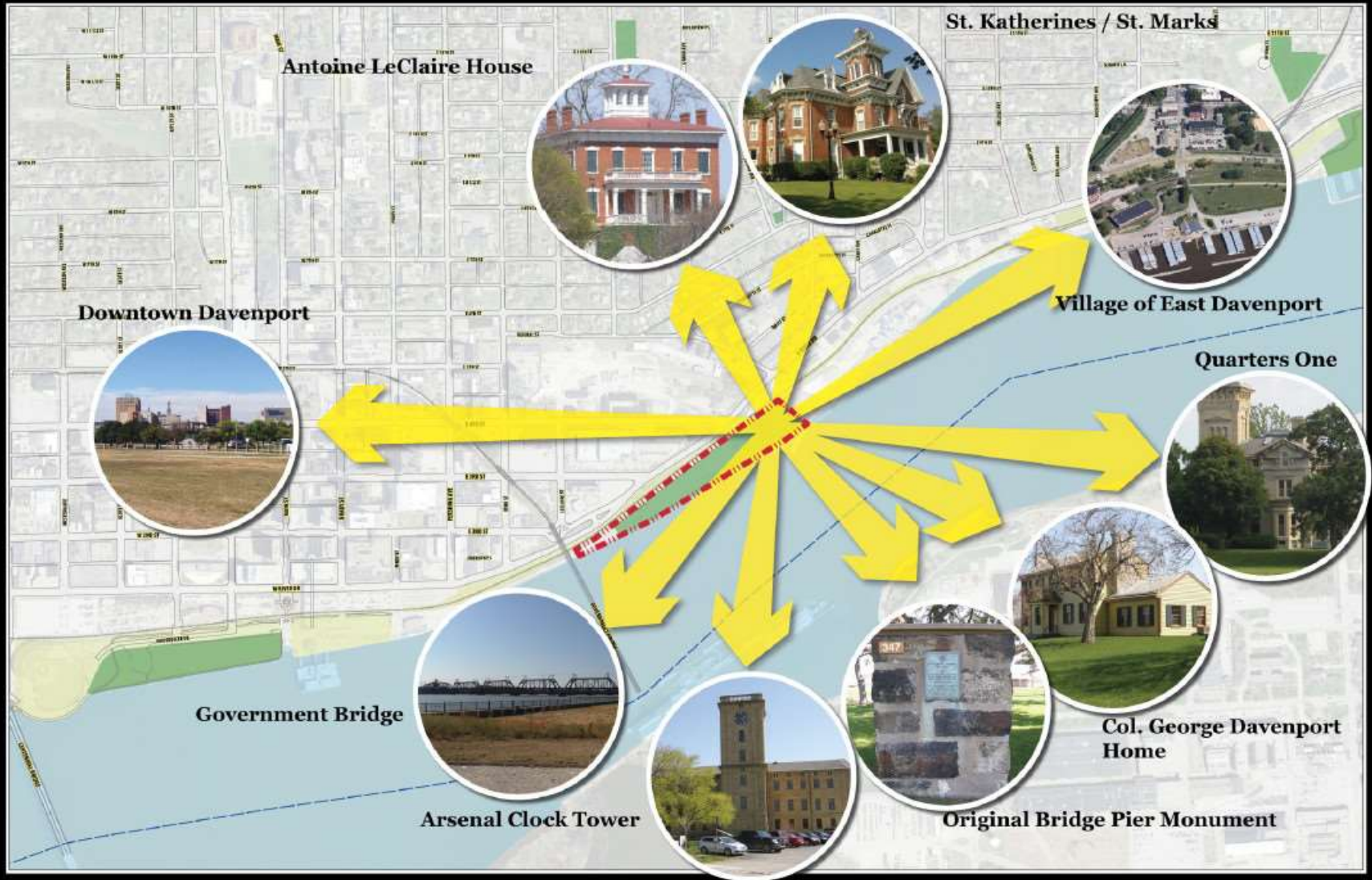


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SITE ANALYSIS: HISTORIC VIEWSHED ANALYSIS



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