

# MEMPHIS HARBOR PROJECT

MISSISSIPPI RIVER CITIES & TOWN INITIATIVE
MISSISSIPPI WATERWORKS



# MEMPHIS HARBOR PROJECT

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# **CITY OF MEMPHIS**

Memphis Harbor

**Public Works** 

Water Resources Vision

"The face of the water, in time, became a wonderful book—a book that... told its mind to me without reserve, delivering its most cherished secrets as clearly as if it uttered them with a voice. And it was not a book to be read once and thrown aside, for it has a new story to tell every day."

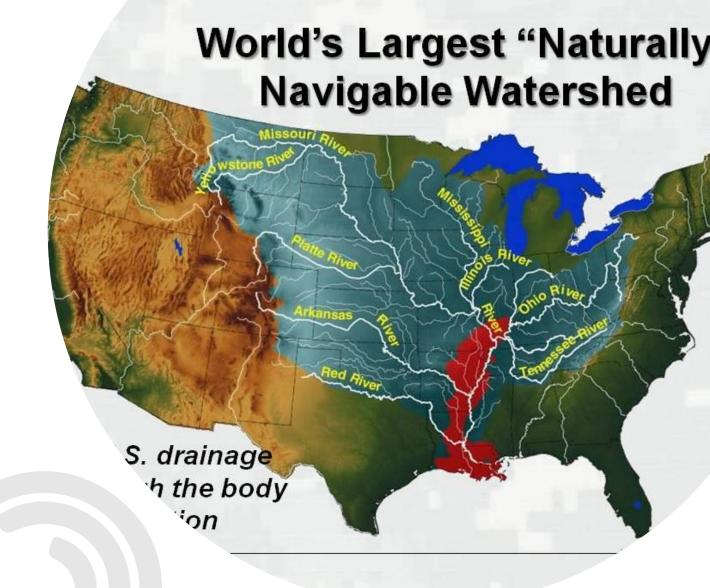
Mark Twain, Life on the Mississippi





## MISSISSIPPI RIVER

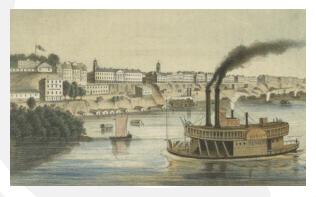
- Longest river in North America: 2,350 miles
- Average speed: 1.2 mph
- Watershed area: 1.2 million square miles
- Discharge: 593,000 ft<sup>3</sup>/sec
- Amazon discharge: 7,381,000 ft<sup>3</sup>/sec
- Water supply: 18 million people
- Produces 92% of nation's agricultural exports



# Memphis City

- Largest city on the Mississippi River
- Rank 26 largest City in the United States –
   650, 618 (2018)
- Rank 42 largest Metropolitan area in the Unites States – 1,348,260 (2018)

Memphis in the mid-1850s



Historic aerial view of Memphis, 1870





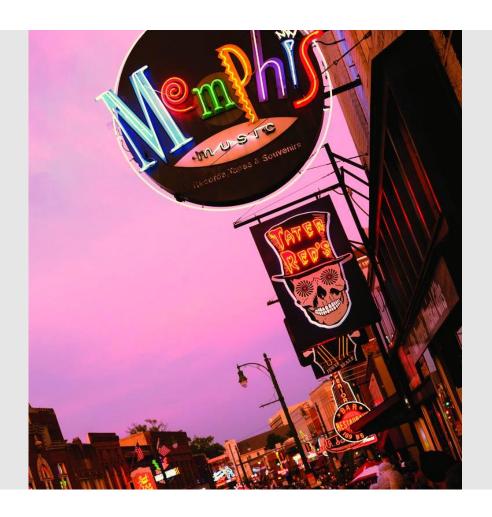
## **MEMPHIS TOURIST**



#### **TOURISM STATISTICS**

2018 Annual Visitors: 11.8M+ Leisure & Hospitality Jobs in Shelby County in 2018: 49K+ Leisure & Hospitality Businesses in Shelby County: 2,000+.

2018 Annual Economic Impact of Domestic Visitors: \$3.65B
State Tax Receipts Generated: \$179.5M
Local Tax Receipts Generated: \$101M





#### TOP TRAVEL MOTIVATORS

The top travel motivators for Memphis visitors include paying their respects to Memphis music legends like Elvis, B.B. King and Johnny Cash; experiencing our current live music scene and the Memphis nightlife in person, especially Beale Street; tasting our world-famous barbeque; and most importantly, spending quality time making memories with friends and family.

# LEISURE TRAVELER PROFILE

Based on personal interviews with 1,300 actual Memphis attraction visitors, we have considerable insight into the characteristics of a Memphis attraction visitors

- Average Number of Adults in Attraction Travel Parties: 2.4 Adults
- Share of Memphis Attraction Travel Parties that Include Children: 34%
- Average Number of Children in Attraction Family Travel Parties: 2 Children
- Average Nightly Expenditures for Attraction Travel Parties: \$398 Nightly
- Average Length of Stay for Attraction Leisure Travel Parties: 2.4 Nights
- Share of Attraction Travel Parties Staying Overnight: 77%
- Share of Overnight Attraction Travel Parties Staying in Hotels: 66%



# **PROPOSED PROJECTS**

Mud Island river Park
Aquarium Museum and Water Studies



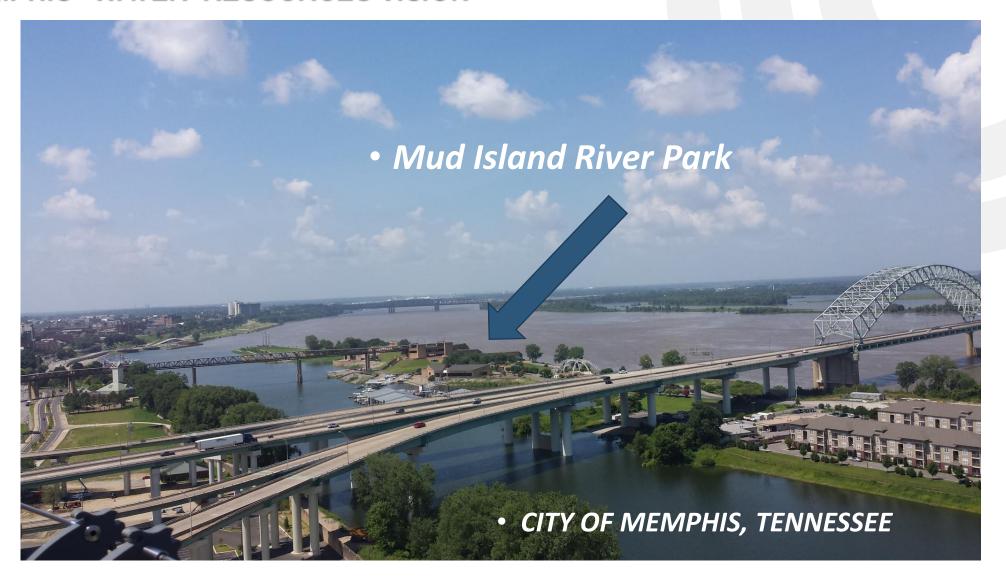
**Water Technology Park** 



**Freshwater Institute** 



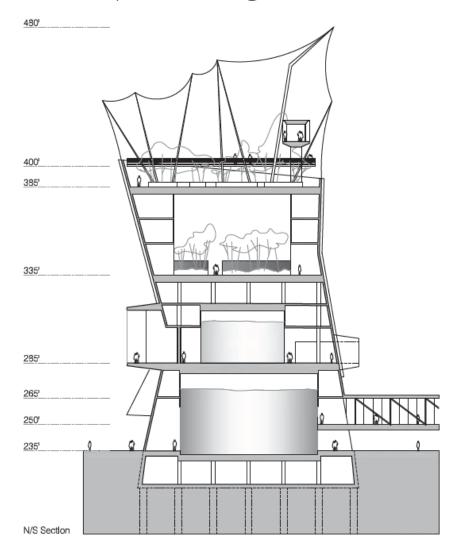
#### MEMPHIS' WATER RESOURCES VISION

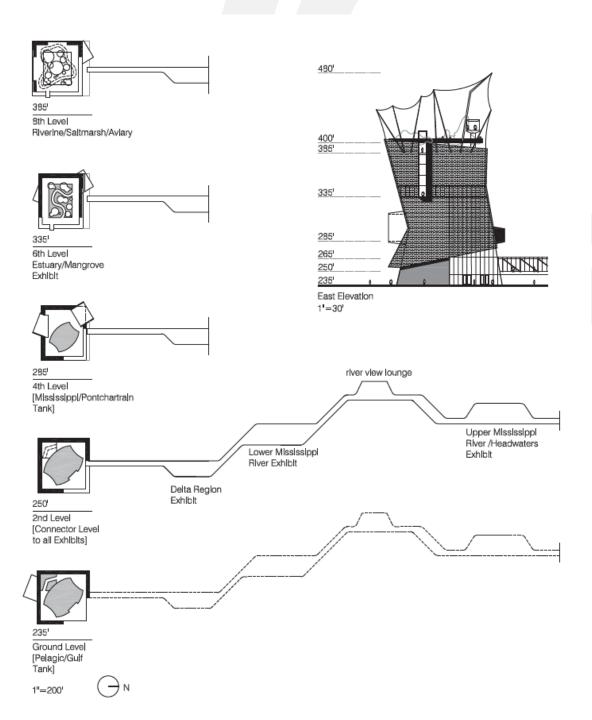






# Concept Drawings







### Memphis' Water Resources Vision





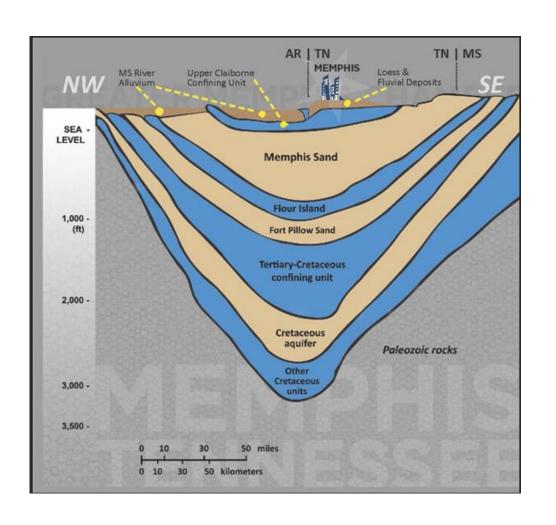


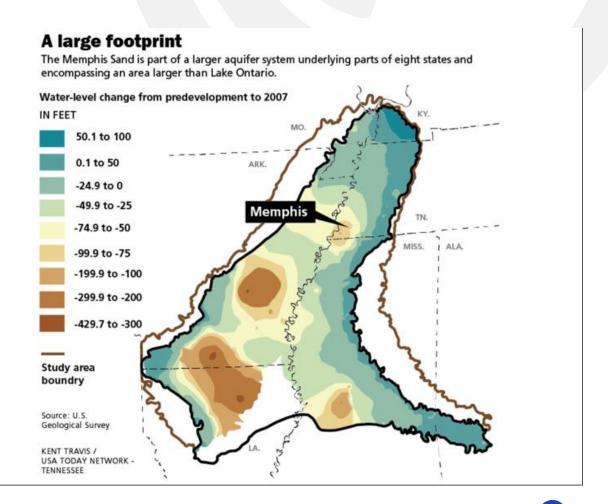


#### MEMPHIS' WATER RESOURCES VISION



# **MEMPHIS SAND AQUIFER**





# **LANDSCAPES**

- Urban Landscape
- Rural Landscape
- Natural Landscape
- Educational Landscape



# **VALUE CREATED**

- Create 500 jobs
- Provide education outreach programs for secondary and post-secondary levels
- Bring more than 100 million dollars tourist business a year potential to the City of Memphis



## **EDUCATION COLLABORATIONS**



MISSISSIPPI RIVER (3<sup>RD</sup>) - GEOMOPHOLOGY, SEDIMENTATION, FLOOD CONTROL, ENVIRONMENTAL PROTECTION

YANGTZE RIVER (4TH) - 扬子江 GEOMOPHOLOGY, SEDIMENTATION, FLOOD CONTROL, ENVIRONMENTAL PROTECTION

# **COST**

- Mud Island Park 150 millions
- Water Technology Park 30 millions
- Freshwater Institute 20 millions



# **PARTNERSHIPS**

- Capital Investors
- Join Venture Capital
- College Collaborations
- U.S. Army Corps River Study
- Cost Guard Barge Transpiration
- Freshwater Institute- Water Pollution and Water Usage





# QUESTION?







# THANKYOU!



