AGENDA

- Introduction
- Pre-Model and Flooding History (1927-1943)
- Model Construction (1943-1966)
- Model Operation (1949-1971)
- Post Model Operation (1971-2016)
- Friends of Mississippi River Basin Model (2016- Present)
Where’s it at?
Buddy Butts Park, Jackson, MS
PRE-MODEL AND FLOODING HISTORY

1927-1943
Left 1927 Flood in Greenville, MS. Right victims in Arkansas City camping on a levee.
1937- the Great Ohio River Valley Flood
(pictured is downtown Louisville, KY)

1928 Flood Control Act passes, more levees built.
Beginning of WWII 1939

Lieutenant General Eugene Reybold
Chief of Engineer for USACE 1941
MODEL CONSTRUCTION

1943-1966
Mississippi River Basin Model and Camp Clinton

- May 1942 - Discussions occur within the USACE to start planning for construction
- August 7, 1942 - Land for Camp Clinton purchased
- September 1942 - Adjacent property purchased for MBM
- January 1943 - Construction began at MBM
- August 1943 - POWs arrive at Camp Clinton
Camp Clinton Site purchased in August 1942, September 1942 the adjacent property purchased for the MBM.
1944 Construction began with POWs from Camp Clinton (captured primarily from Afrika Korps and the North African Campaign) begin working on grading the site.
Mississippi Basin Model
Scanning model area by horseback prior to grading operations.
1 June 1944   File No. CH-7
Concrete Panel Construction

Two Methods

Template

Contour
INSTRUMENTATION

Three types of automatic instruments:

- Inflow
- Stage
- Outflow
Fig. 4. Instrumentation for Mississippi Basin Model.
SIMULATIONS

74 simulations by retirement in 1973

1952 - Verification of Sioux City-to-Hermann Reach, Missouri River and tributaries, 1950 and 1947 Floods

1970 - Verification of Mississippi River and Tributaries from Thebes and Golconda to Baton Rouge on Mississippi River and Gulf on Atchafalaya

1969 - Tests to assist in developing computer programs

1973 - Test on Morganza Spillway for water quality impact to New Orleans and Baton Rouge
POST-MODEL OPERATION

1971-2016
MODEL OWNERSHIP

December 1972 – property transferred to Department of Interior, continued to be leased by USACE

1993 – land given to the City of Jackson
Left - 1983 Jacques Yves Cousteau – visited site for film project
Right - when running in 1973
SIMULATIONS

1993 Birds Point-New Madrid Floodway test under design flood conditions
FRIENDS OF MISSISSIPPI RIVER BASIN MODEL

2016-Present
RESTORATION GOALS

- Increase recreational access with trails
- Increase STEM education
- Restore and preserve the artifacts still intact on site
- Reconstruct the Baton Rouge Pump House
- Restore MS Delta portion to run (inexact) simulations for demonstration purposes
- Preserve site for future generations
ACTIVITY

- 20 Clean Up Day Events since October 2016
- April 28, 2017 Restoration Tour and Event
- March 23- April 25, 2018 AmeriCorp NCCC Team at the Model
- May 19, 2018 Movie Night in the Model
- Countless presentations about the history of the site and current efforts...
Current Work

- Clean Up Days (volunteers, AmeriCorp NCCC, Boy Scouts)
- Grants (trails, educational 3D concrete printer, app development)
- Events
- Presentations
- Tours
Ways to Get Involved:

- Become a member
- Buy a T-Shirt
- Donate
- Spread the word to others
- If you’re in Jackson, Mississippi for some reason....check it out!
Questions?

Check us out at:

www.FriendsofMRBM.org

FriendsOfMississippiRiverBasinModel