

# OPEN OLD RIVER, DROP LOW STAGE, REDUCE FLOODING.

MRC – VICKSBURG AUGUST 11, 2017

# Vicksburg 1940 - 2017 Years Above Flood Stage



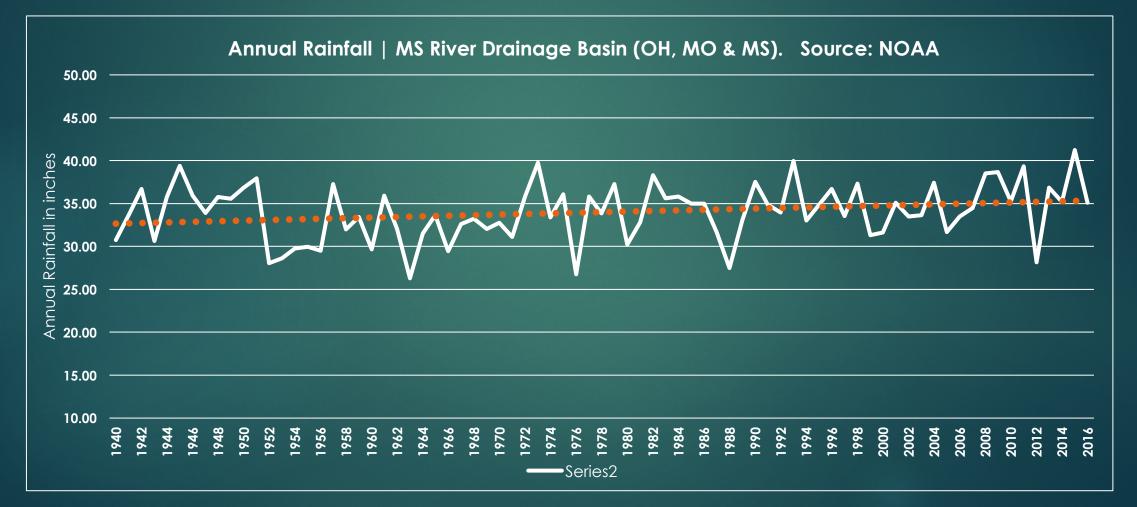
BiggerPie

# Vicksburg 1940 - 2017 Days Above Flood Stage



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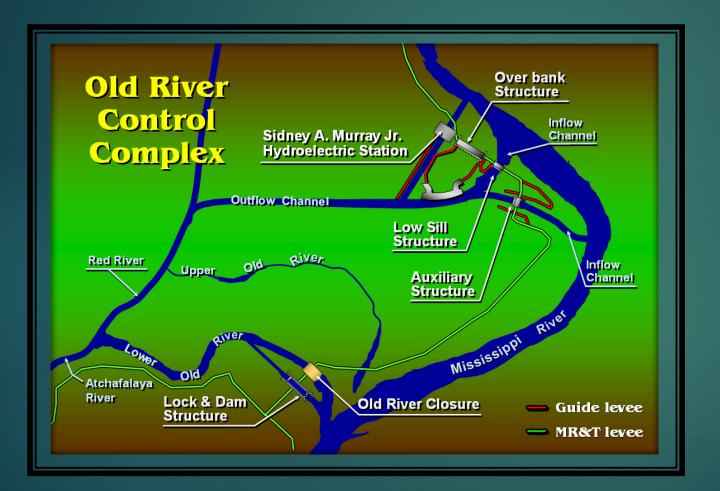
# Annual Rainfall of MS River Drainage Basin (OH, MO & MS)



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### Old River Control Complex (ORCC)



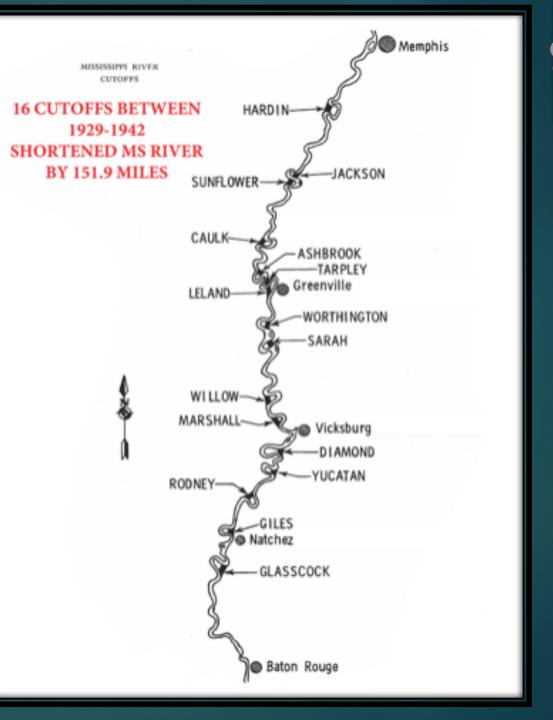


The Corps put the ORCC into operation in 1964 to limit the discharge to the Gulf at Old River to 23% of the Mississippi's flow.

The average daily discharge at 23% was 121,000 cfs from 1940 through 1972. The other 77% or 447,000 cfs discharged at New Orleans without raising the low stage.

### Cutoffs

16 cutoffs above and below Vicksburg to straighten the river and cut the distance to the Gulf 152 river miles.

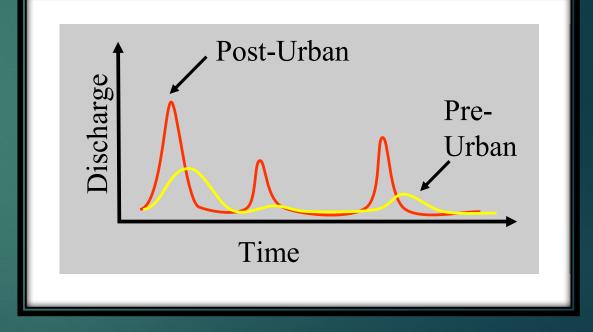


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## Faster Runoff



### MORE WATER FASTER **DEVELOPED LANDS** NATURAL LANDS Rain pours more quickly off of city Trees, brush, and soil help soak up and suburban landscapes, which rain and slow runoff in undeveloped have high levels of impervious cover landscapes Trees & other vegetation Pavement & break the momentum of rooftops shed water rain and help reduce surface erosion Storm drains deliver water Water pools directly to in indentations waterways and filters into the soil Streets act as streams", collecting stormwater and Roots channeling it into anchor soil. waterways minimizing erosion Pollutants collected on Vegetation helps impervious surfaces are build organic, RUNOFF washed into streams, rivers, absorbent soil and lakes





# Vicksburg 1940 - 2017 Average Low Stage

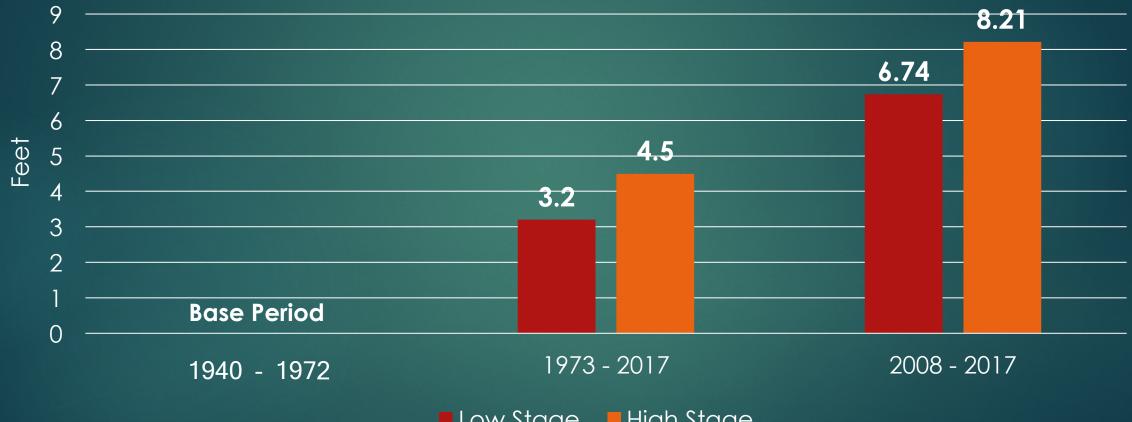




### Vicksburg Flooding 1940 - 2017 Average High Stage



### Vicksburg 1940 – 2017 10 Average Low & High Stage Changes



Low Stage High Stage



### Use ORCC's Extra Capacity and Flexibility -The Atchafalaya River – 193 miles nearer the Gulf



Open Old River
Drop the low stage
Reduce flooding

# Yazoo Backwater Flooding - 2011





