

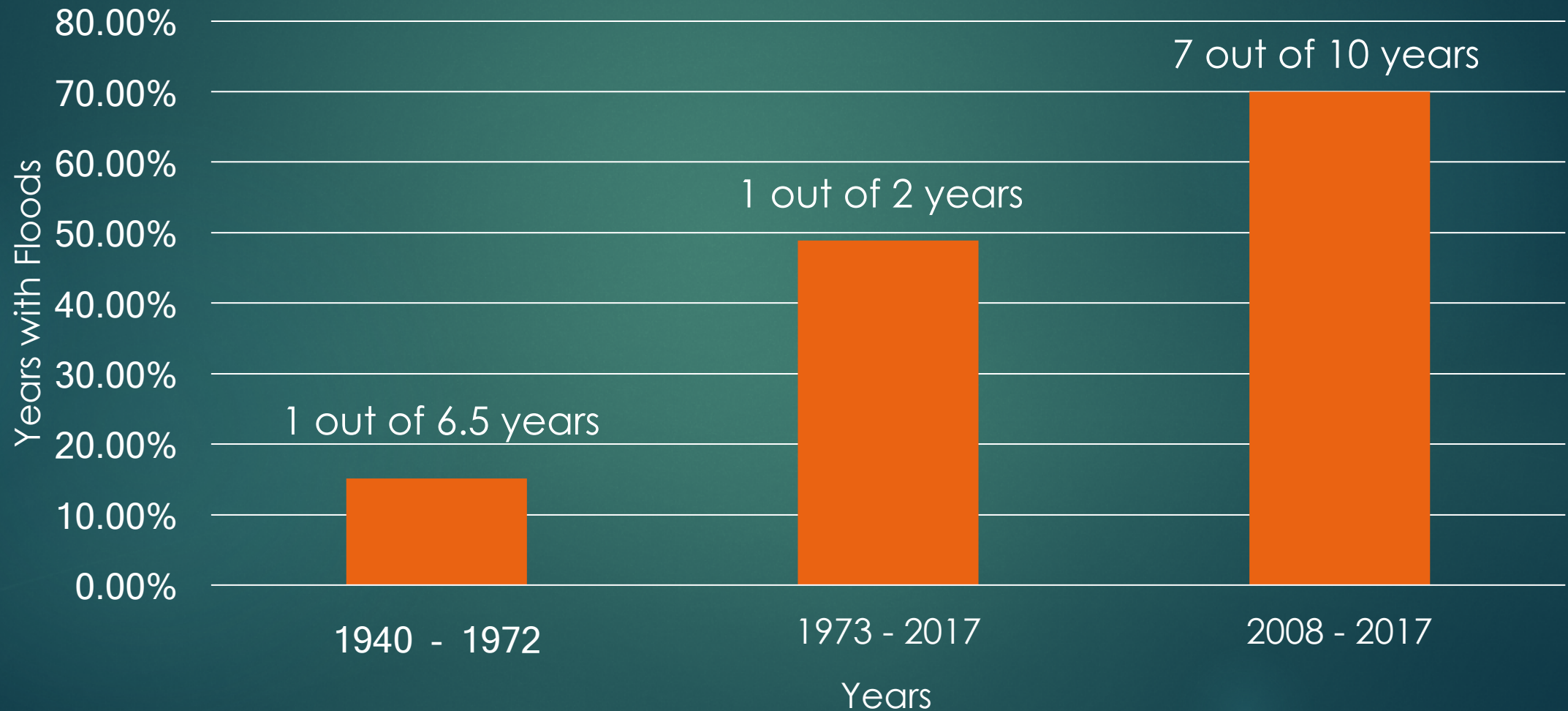
OPEN OLD RIVER, DROP LOW STAGE, REDUCE FLOODING.

MRC – VICKSBURG

AUGUST 11, 2017

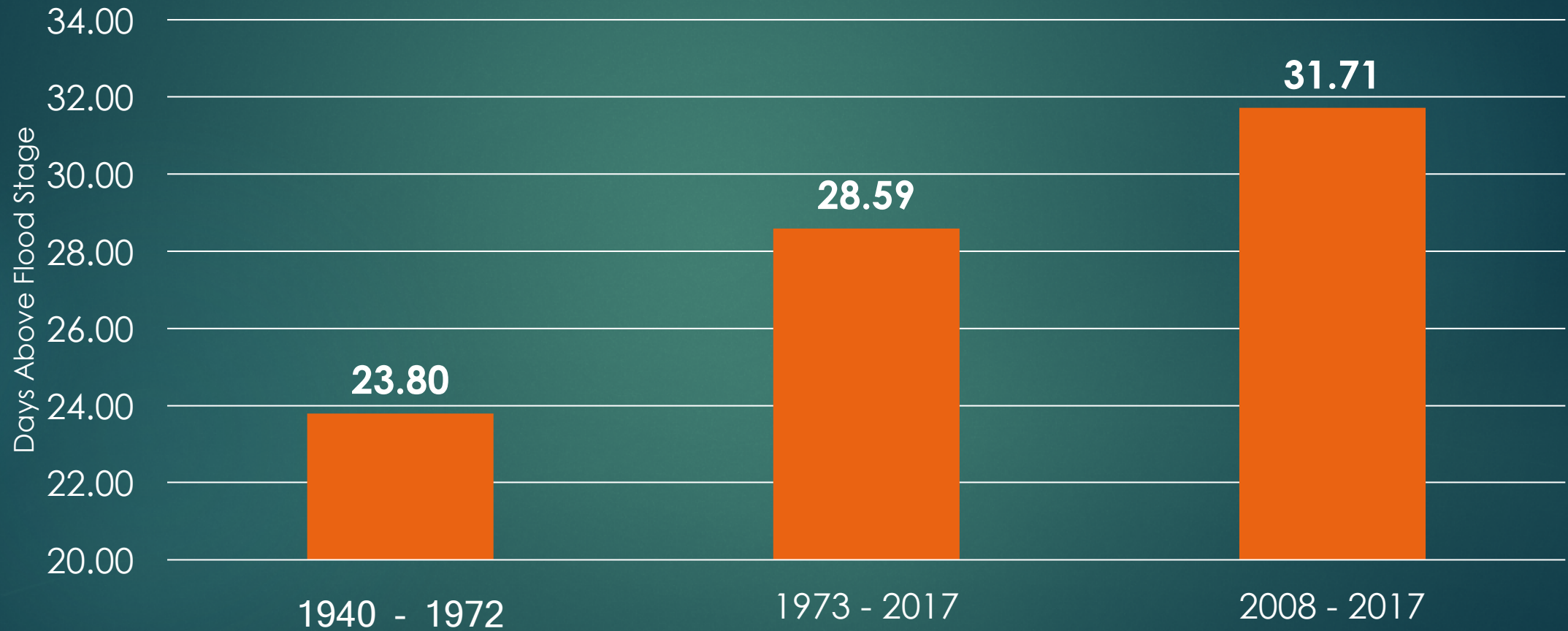
Vicksburg 1940 - 2017

Years Above Flood Stage

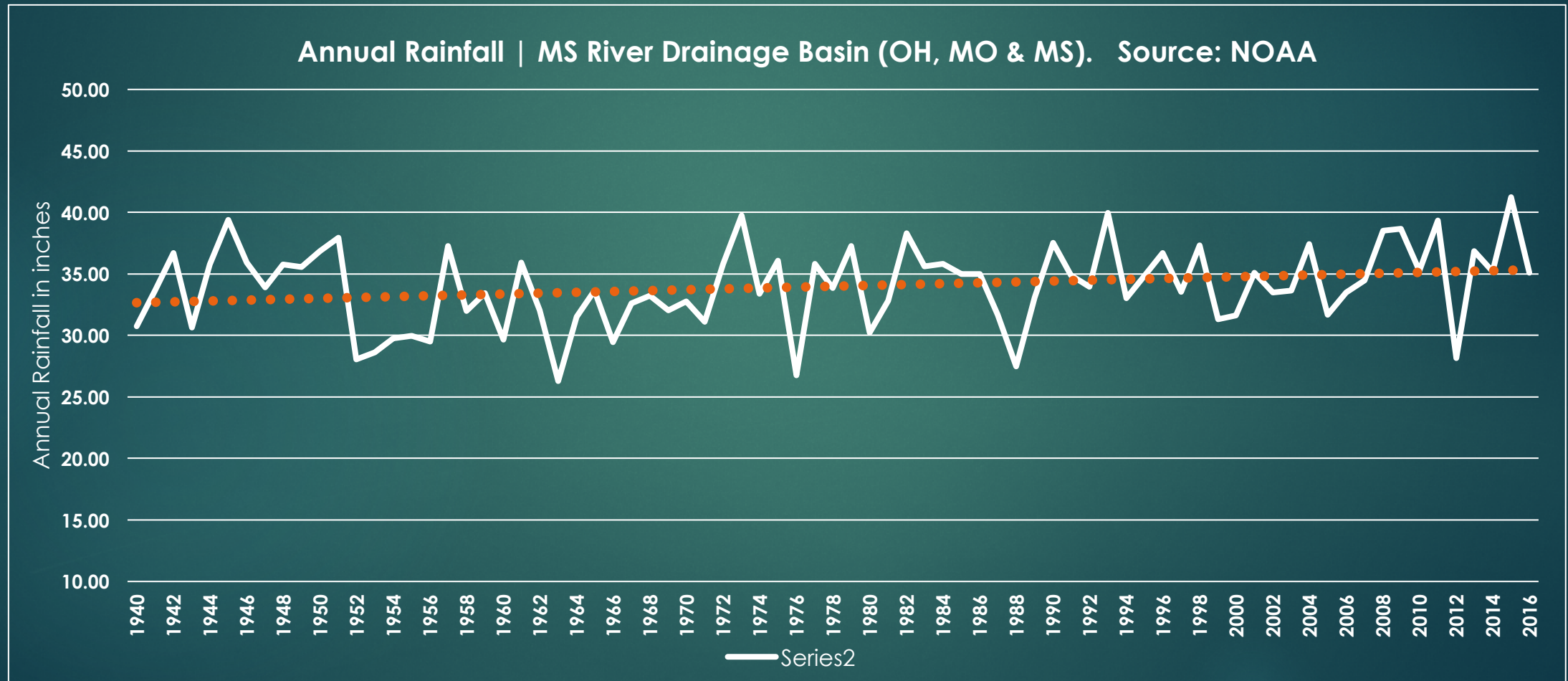


Vicksburg 1940 - 2017

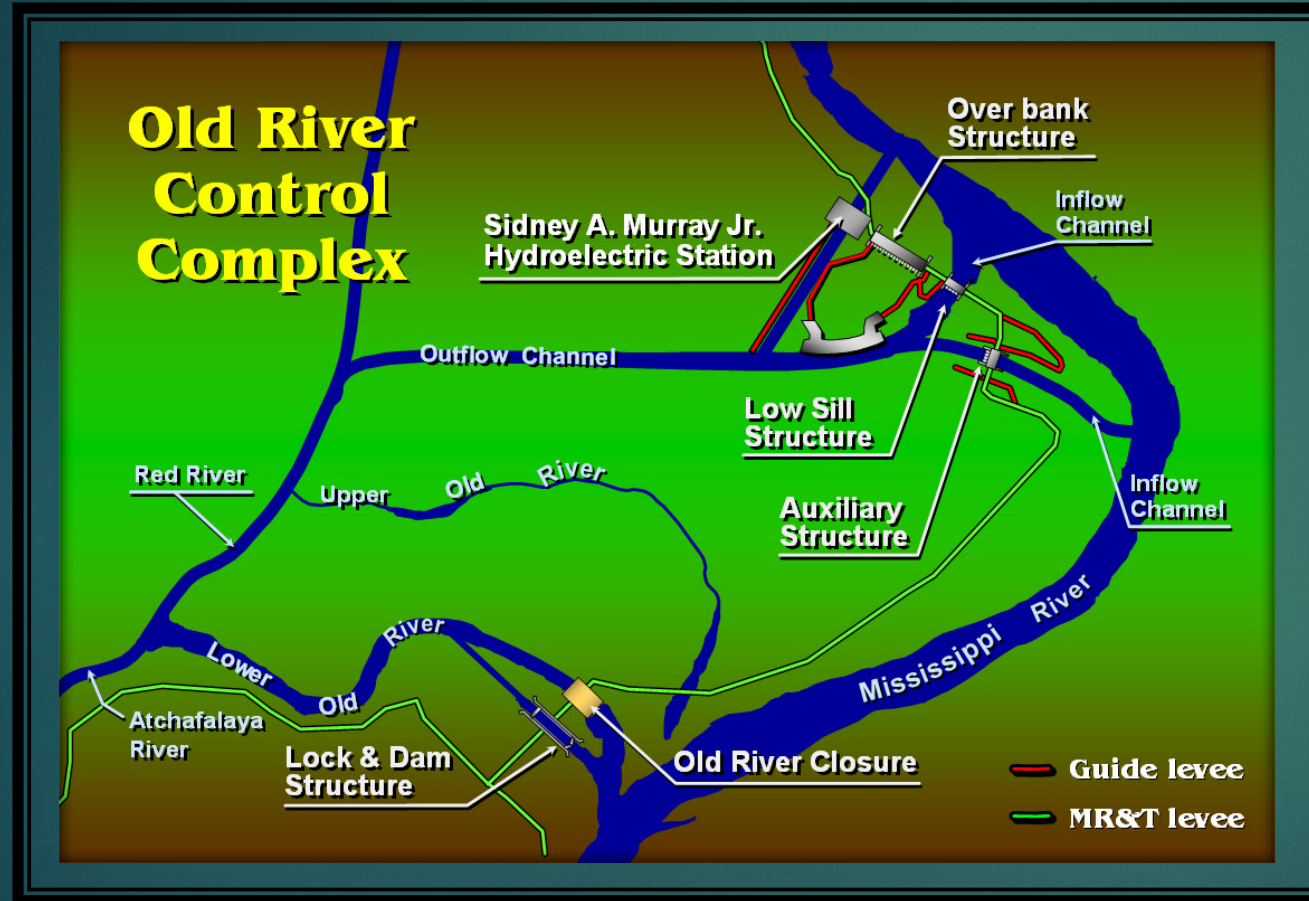
Days Above Flood Stage



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



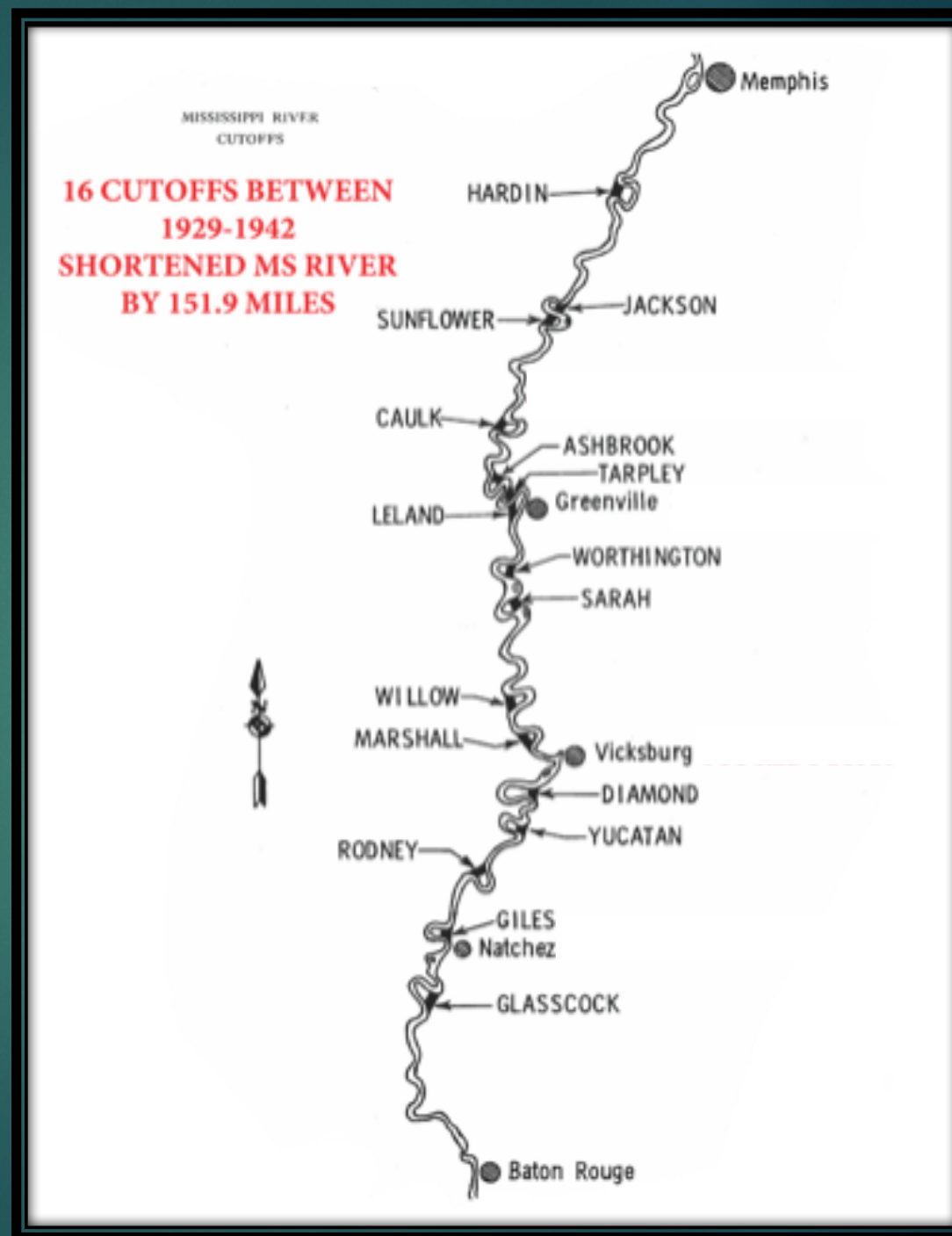
Old River Control Complex (ORCC)



- ▶ 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.

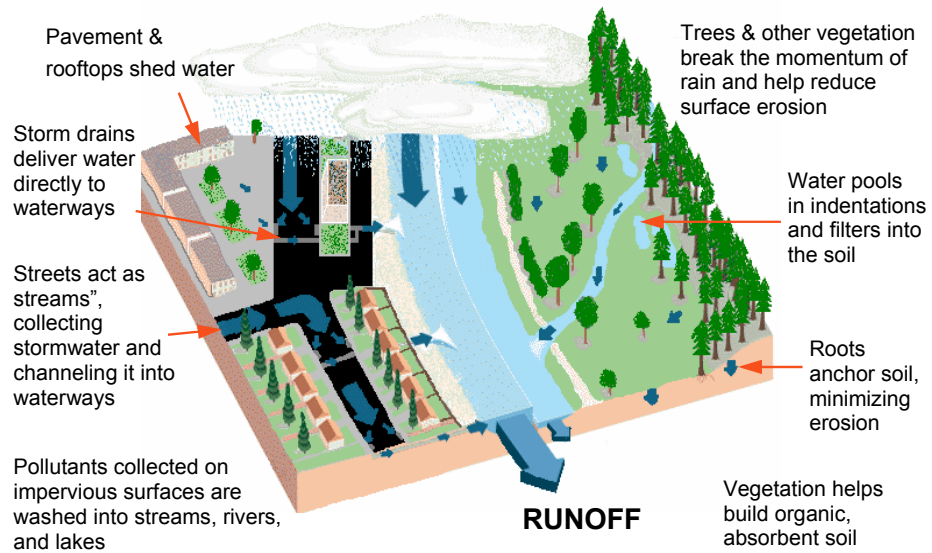


Faster Runoff

MORE WATER FASTER

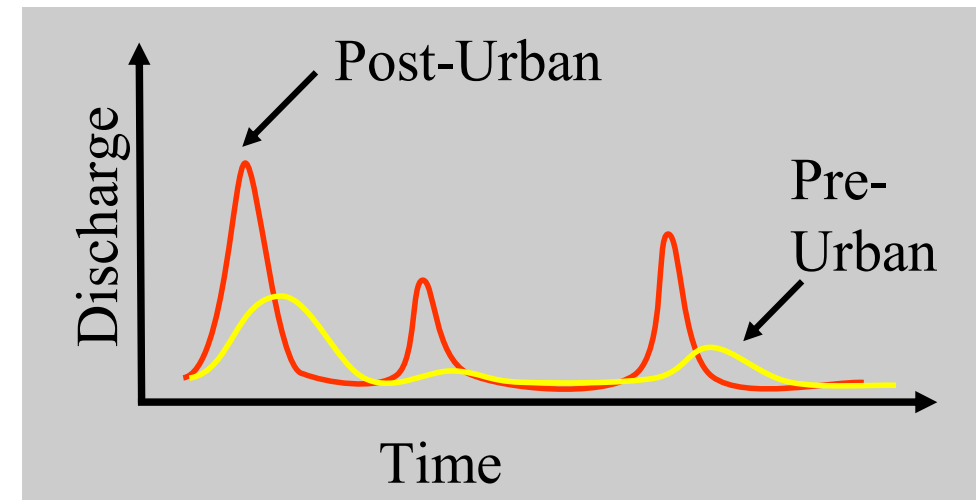
DEVELOPED LANDS

Rain pours more quickly off of city and suburban landscapes, which have high levels of impervious cover

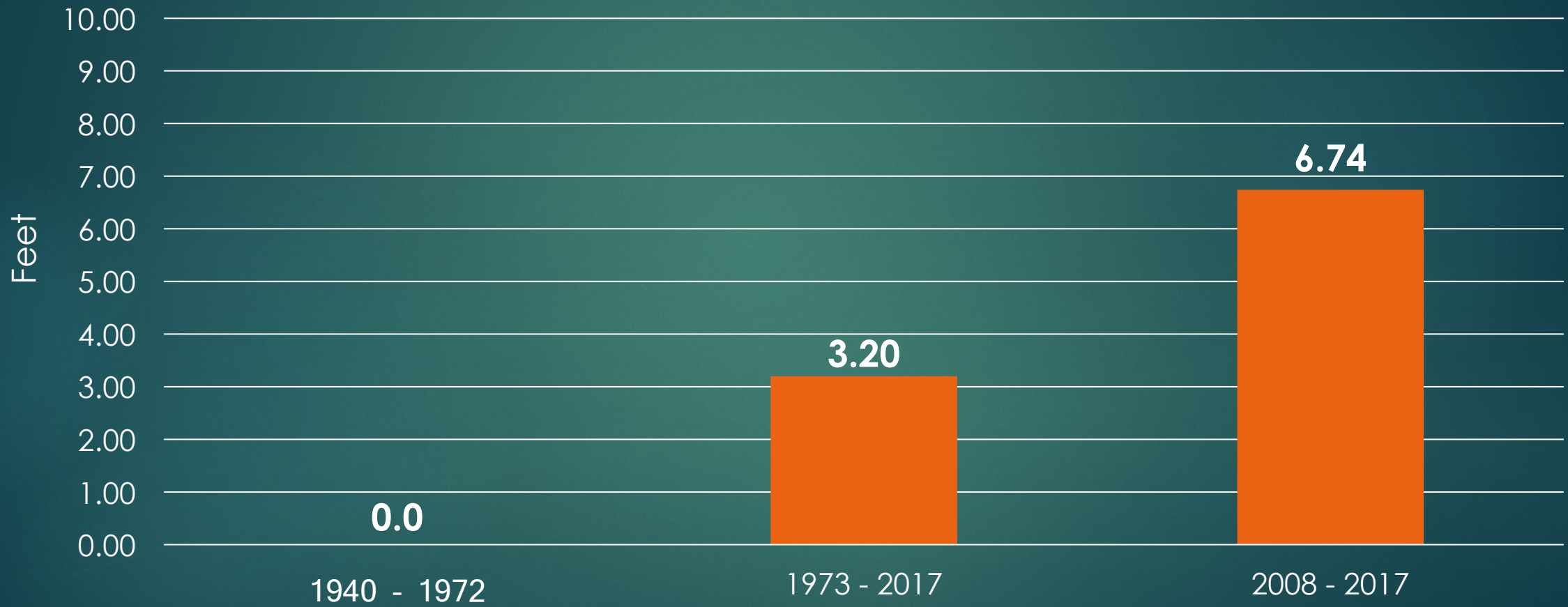


NATURAL LANDS

Trees, brush, and soil help soak up rain and slow runoff in undeveloped landscapes

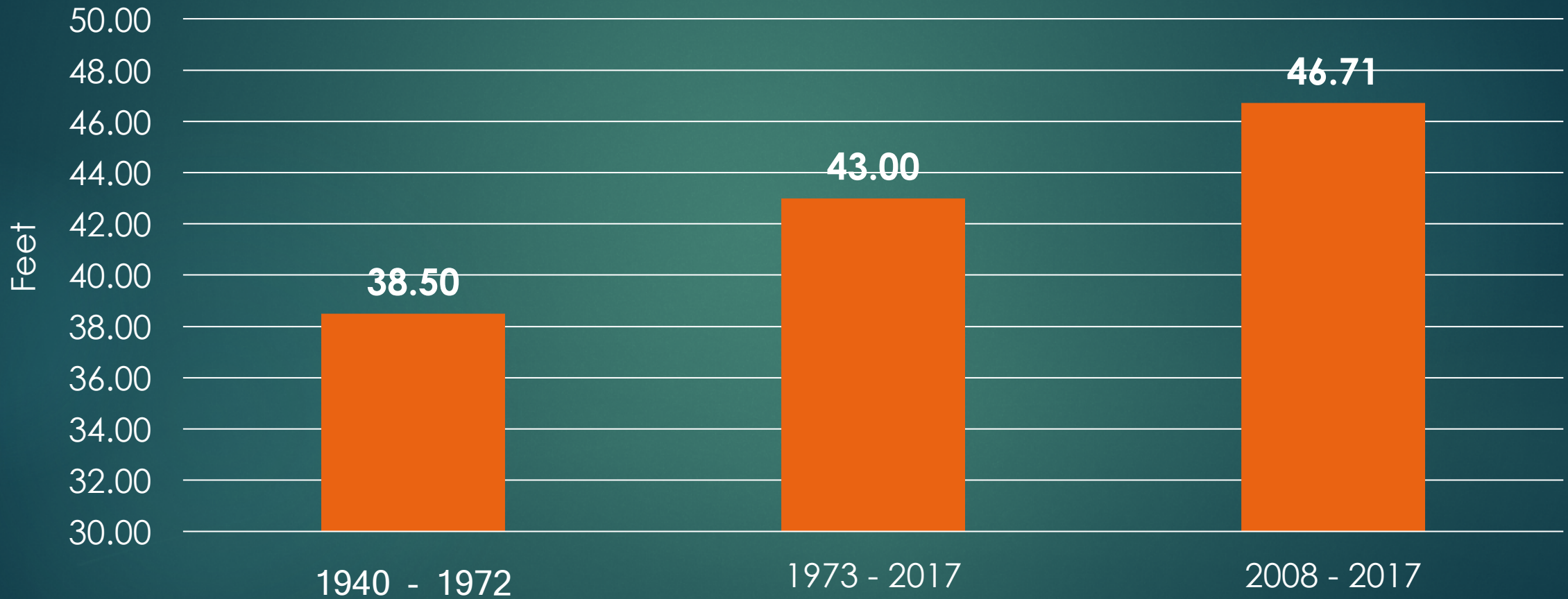


Vicksburg 1940 - 2017 Average Low Stage



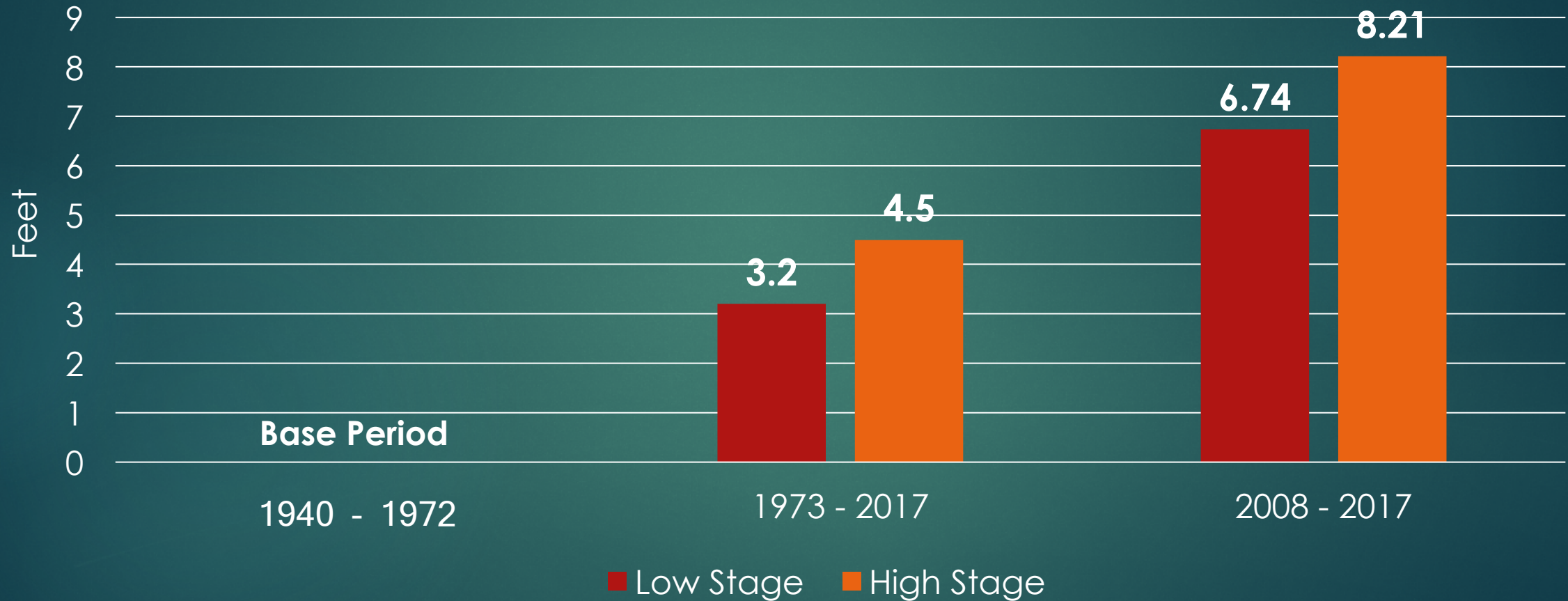
Vicksburg Flooding 1940 - 2017

Average High Stage



Vicksburg 1940 – 2017

Average Low & High Stage Changes



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



