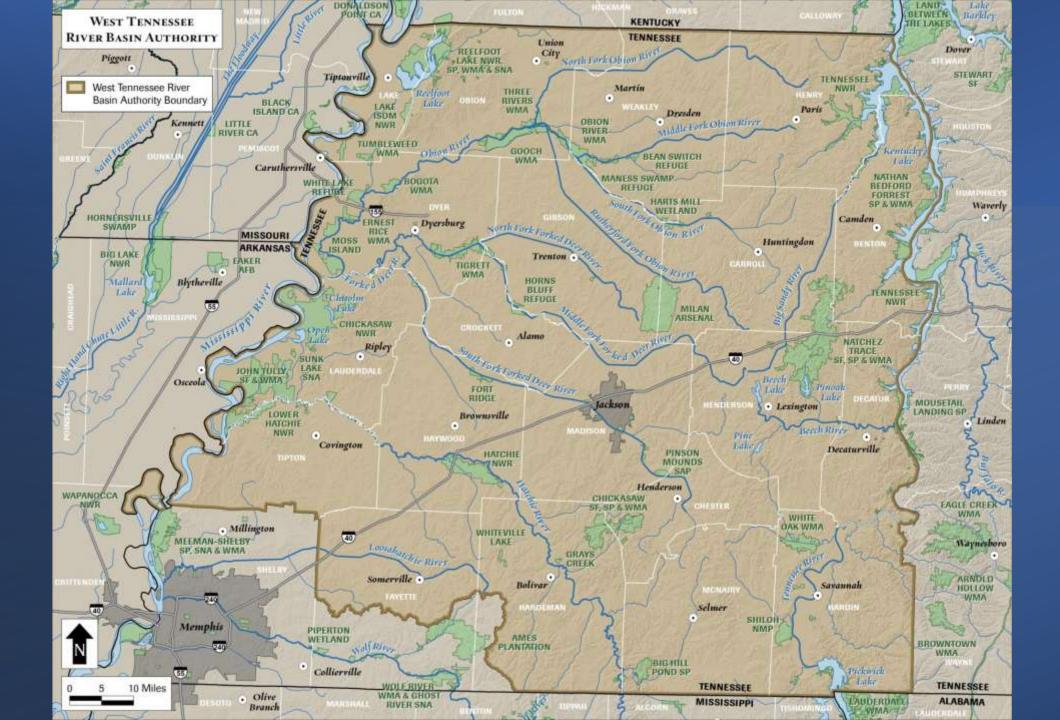
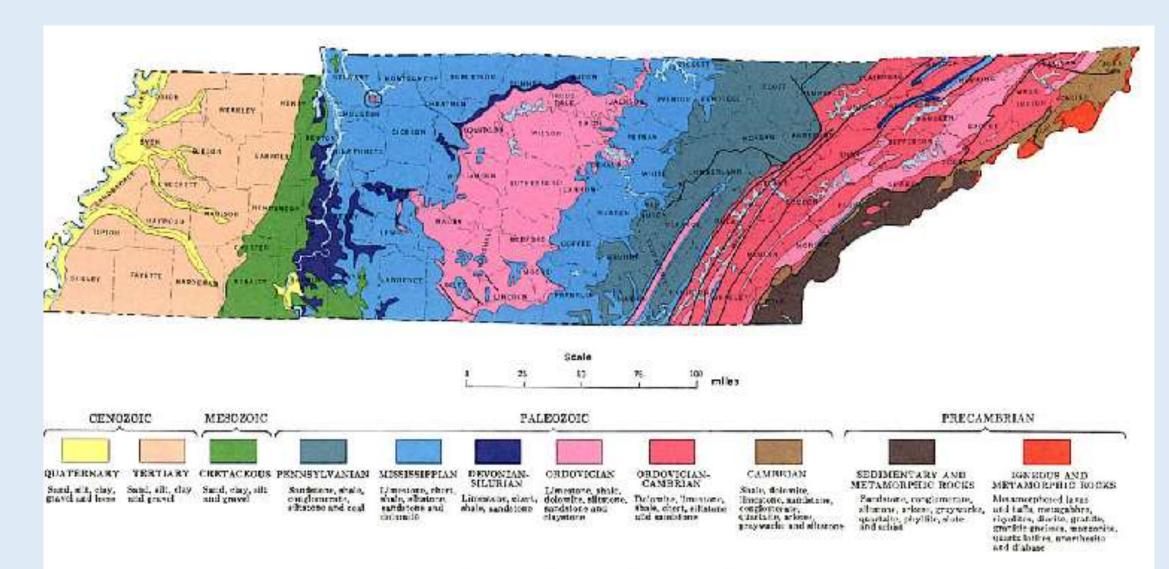


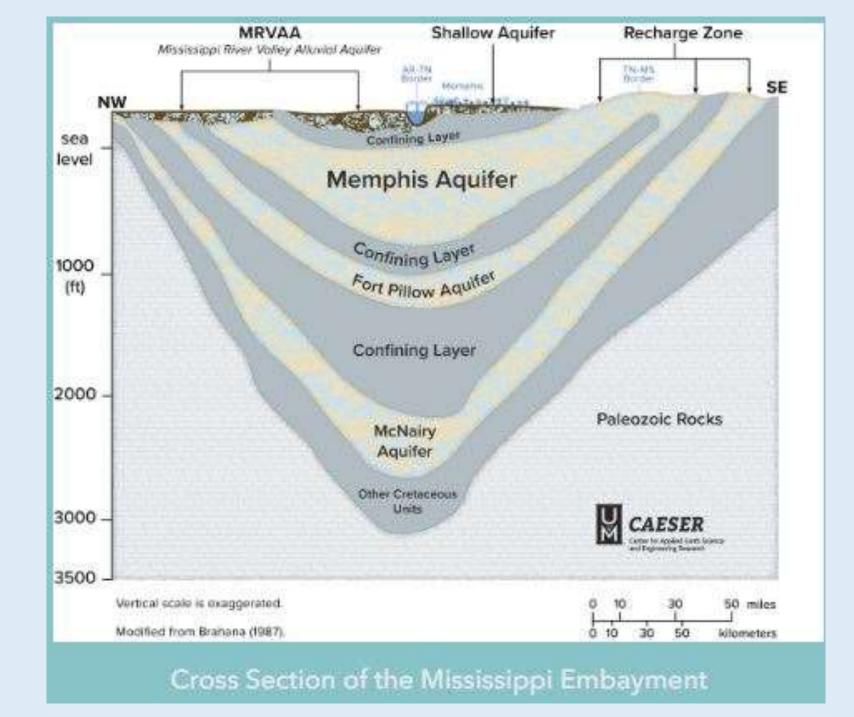
West TN River Basin Authority–2022





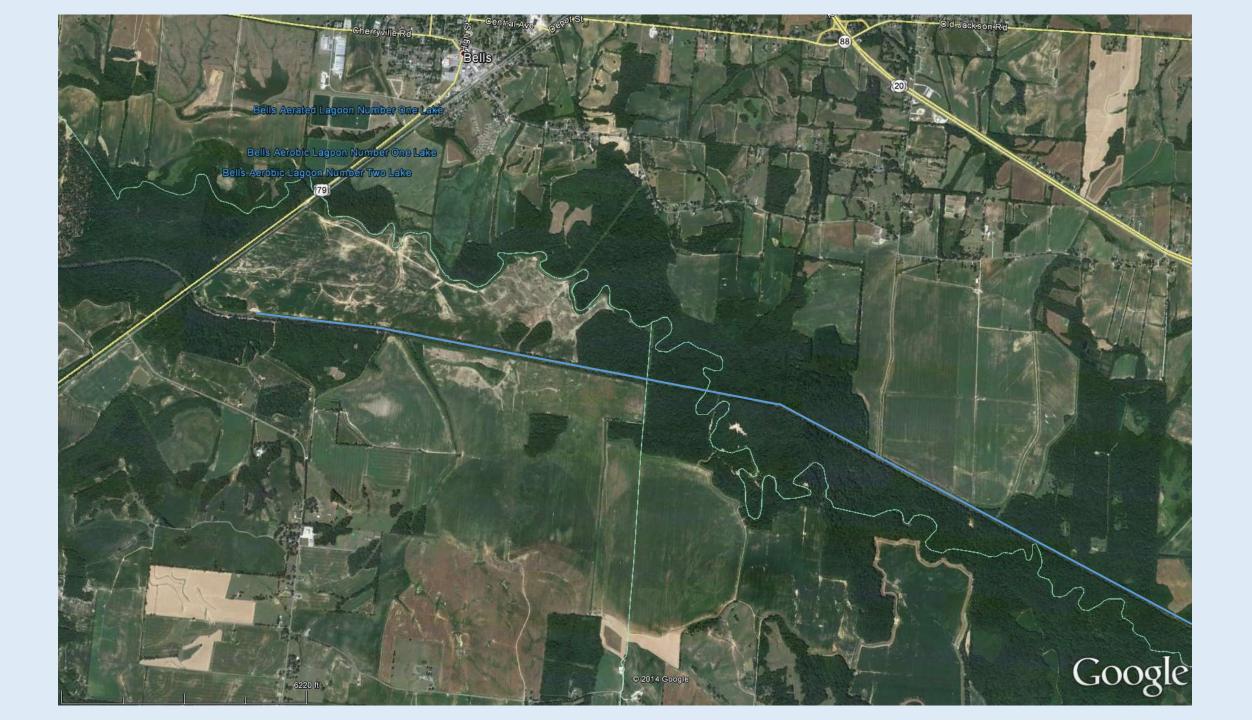


GENERALIZED GEOLOGIC MAP OF TENNESSEE



































# RESTORATION

 How Far Do We Go? Pre-Columbian, Regional Reference, Functional Parameter Improvement











WTRBA GOAL: Under the existing watershed conditions and existing constraints seek to...

- MINIMIZE INSTABILITY, INVASIVES, UPSTREAM/DOWNSTREAM IMPACTS, AND MAINTENANCE
- OPTIMIZE SEDIMENT TRANSPORT, PHYSICAL DIMENSIONS, FLOODPLAIN USE AND CONNECTION
- MAXIMIZE FLOOD STORAGE, STREAM HABITAT, BENEFICIAL LAND USE



## **PROJECT SELECTION**

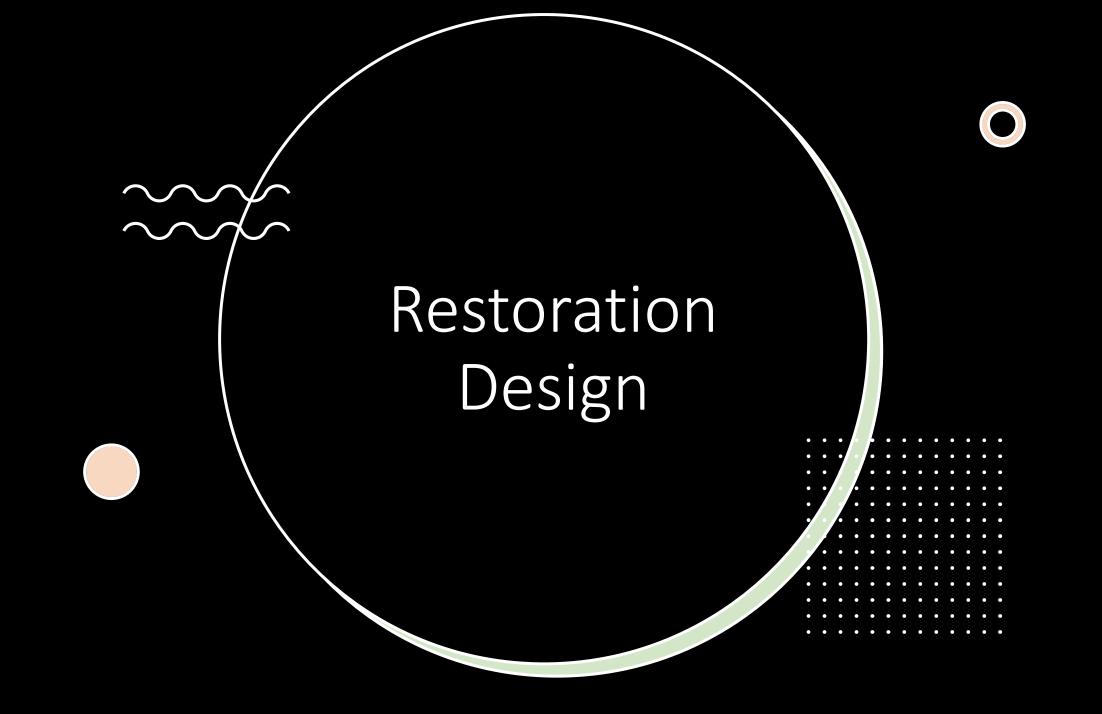
### Altered Hydrology (Urban or Channelized)

#### Lack of Critical Habitats

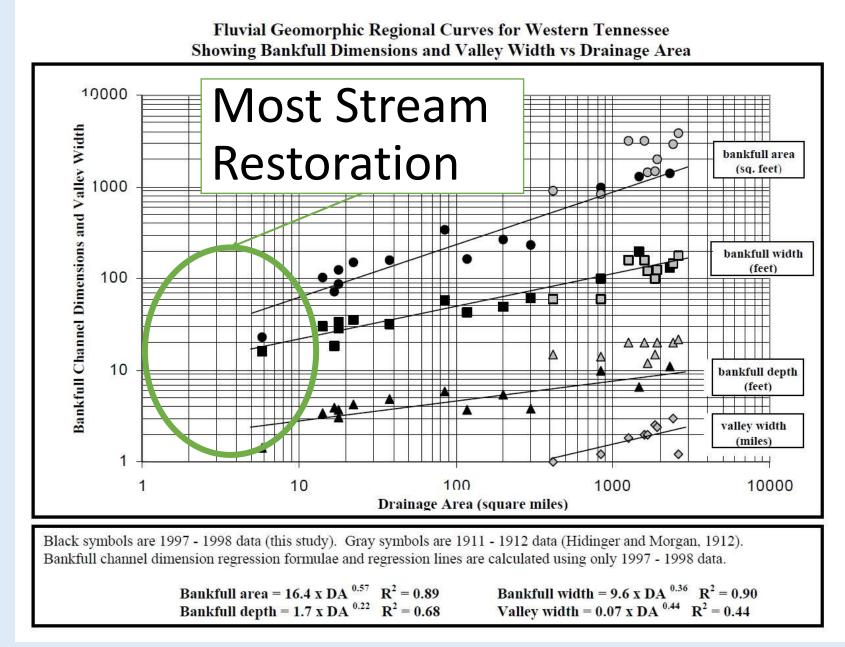
Dysfunction of Sediment, Debris, and/or Flood patterns.

Vertical Stabilization

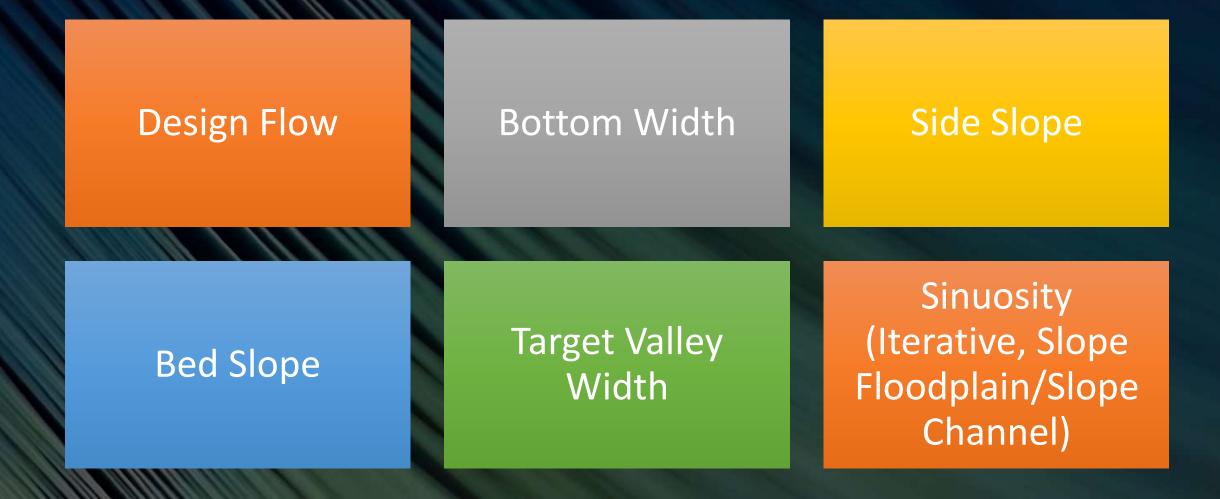
#### Flood Risk Reduction

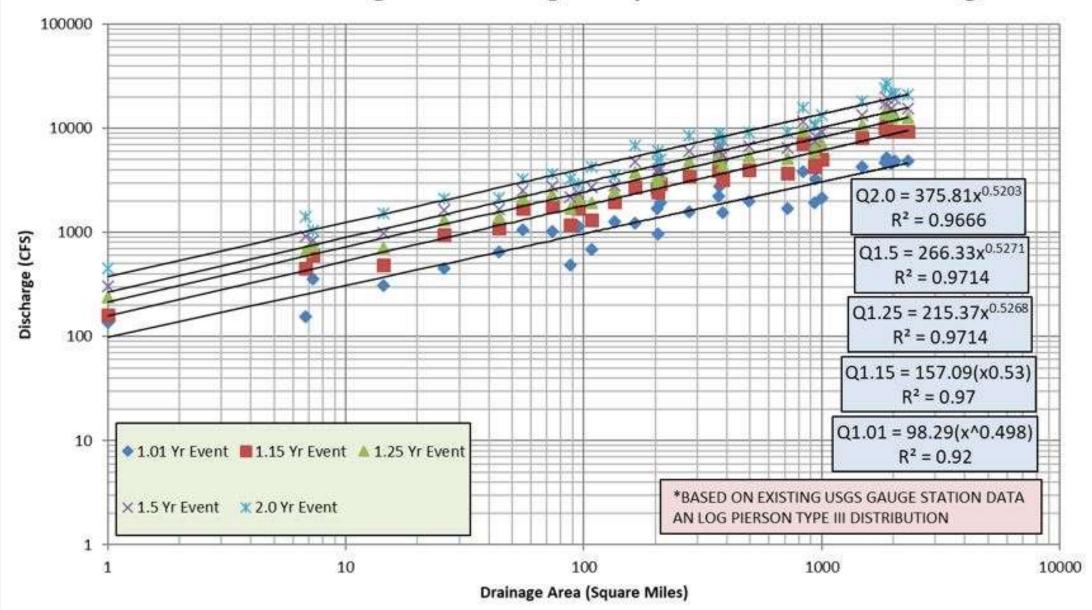


#### FIGURE 2

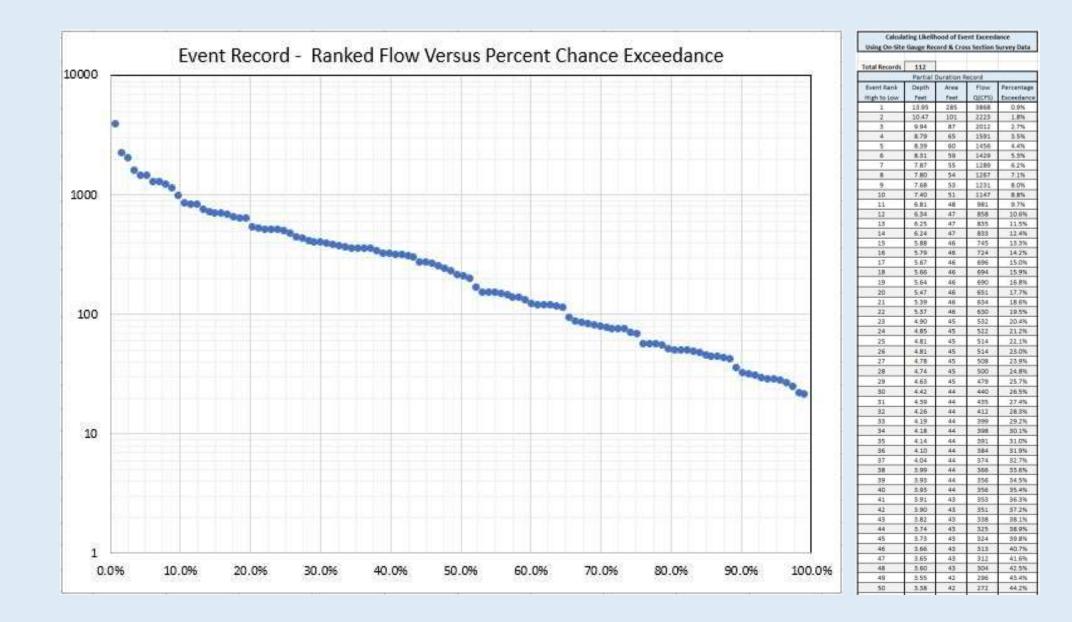


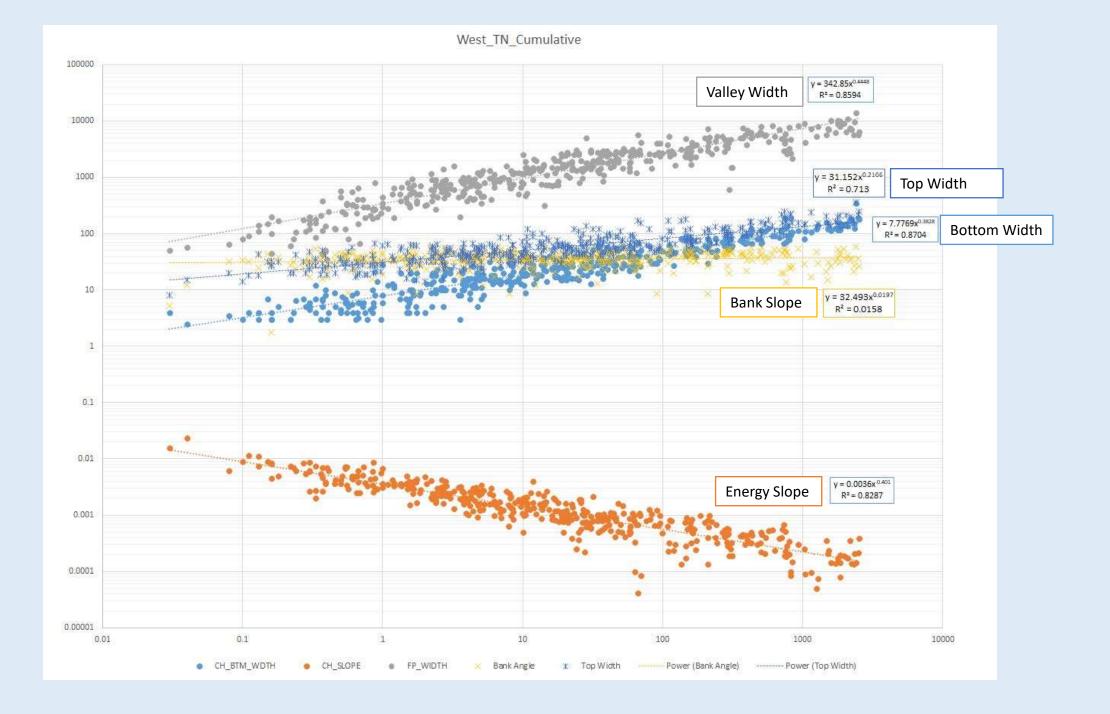
## Engineering Based Design





#### West TN Historic Gage Data for High Freq. Events- 1.01-2Yr Discharge



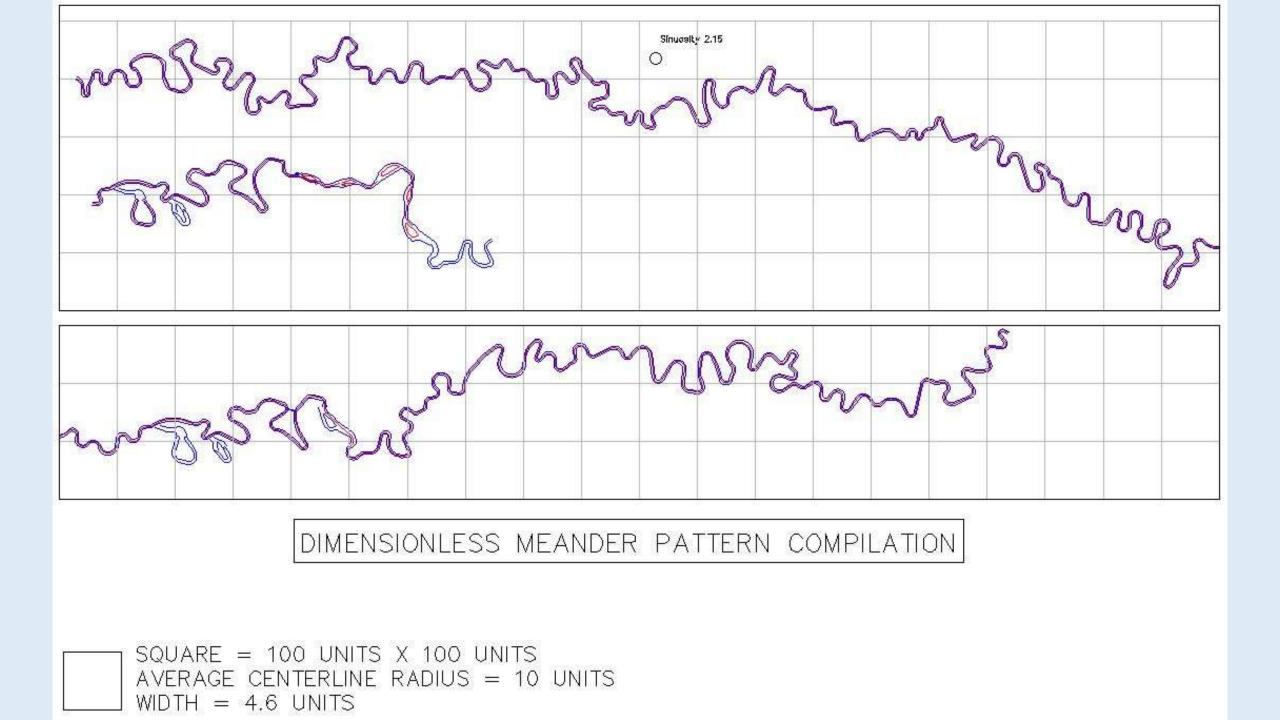






## AVERAGE CENTERLINE RADIUS

Later Wood





/////







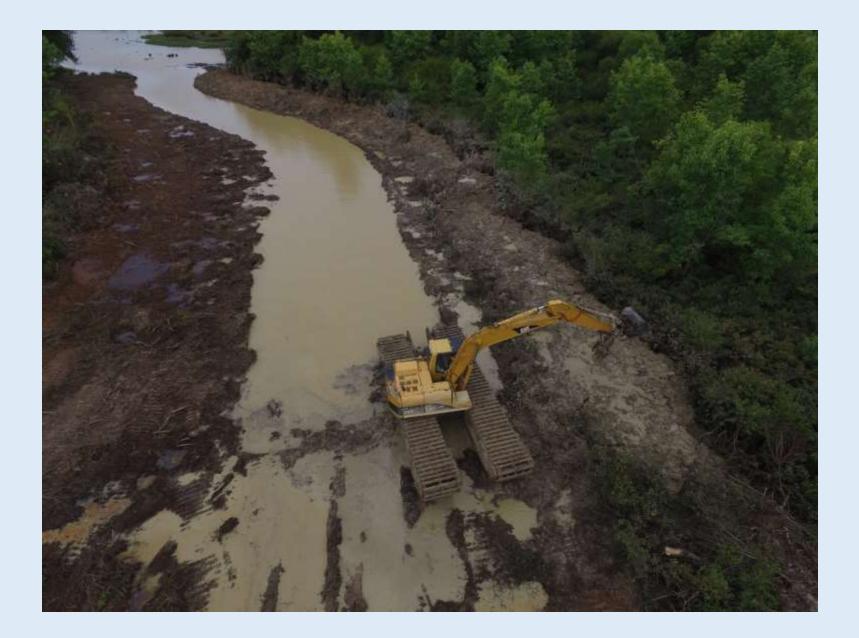
## Google Earth

lat 35.379223° lon -88.322341° elev 0 ft eye alt 26037 ft 🔘

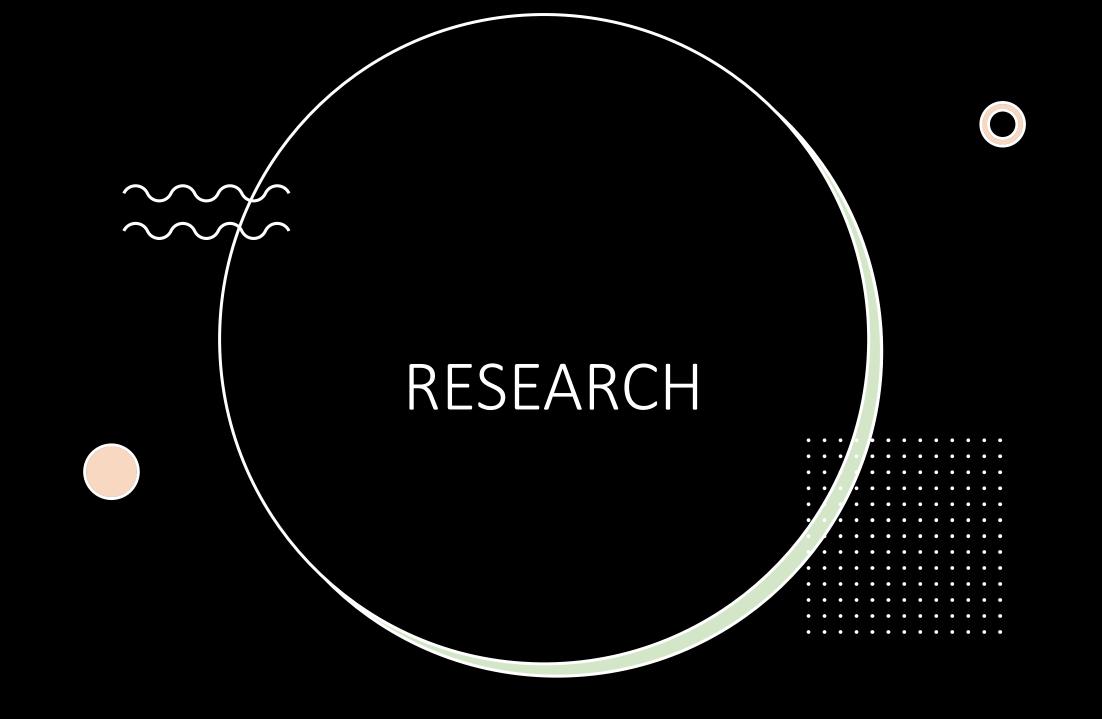
























## Questions

