

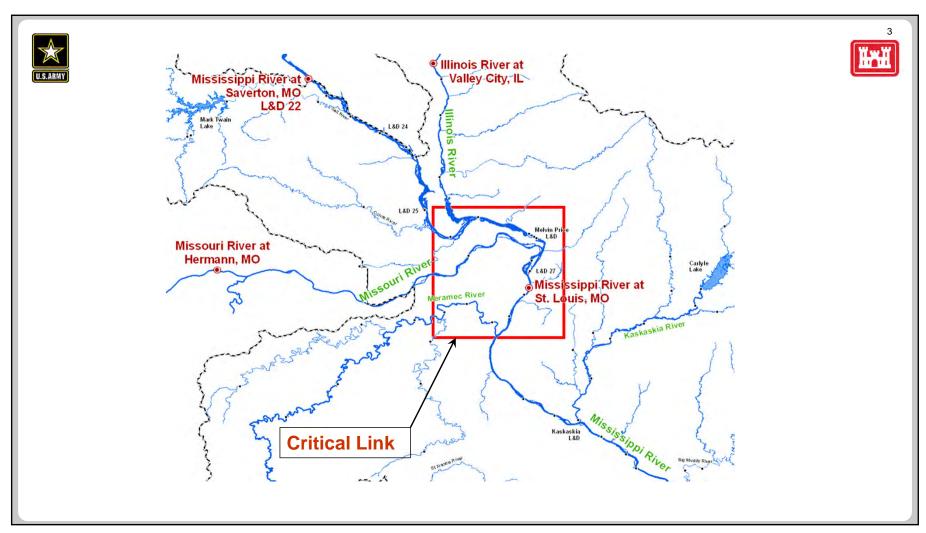


AGENDA

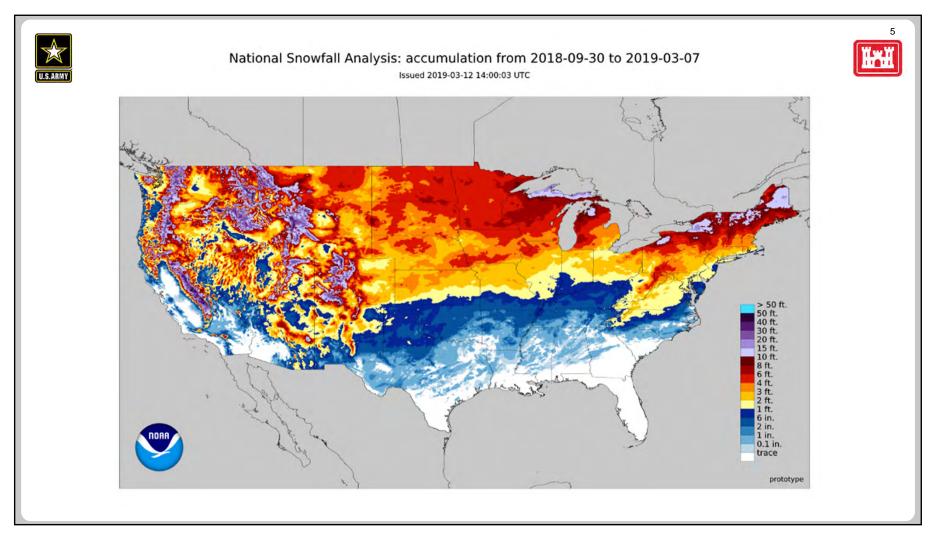


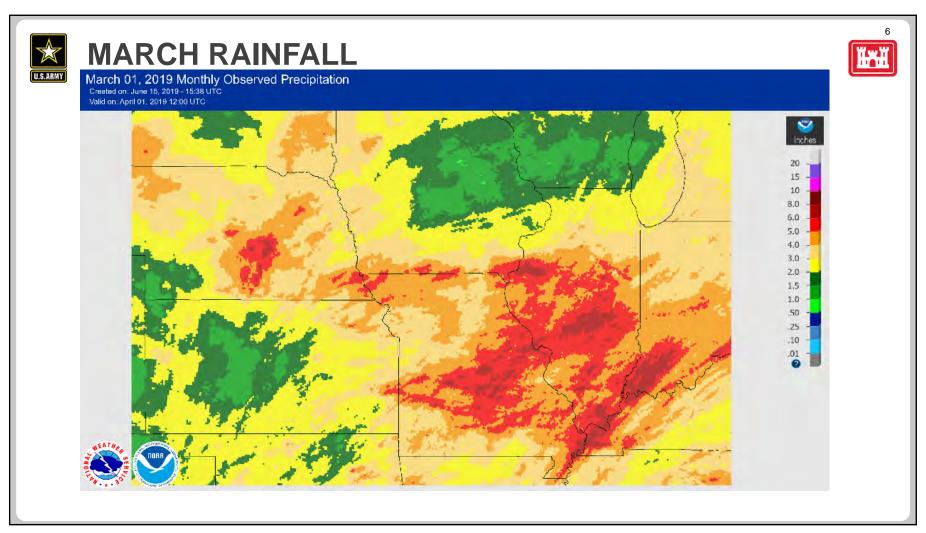
- Rainfall / River Stages
- Levee Performance
 - Overtopping
 - Underseepage
 - "Aging Infrastructure"
- Recovery

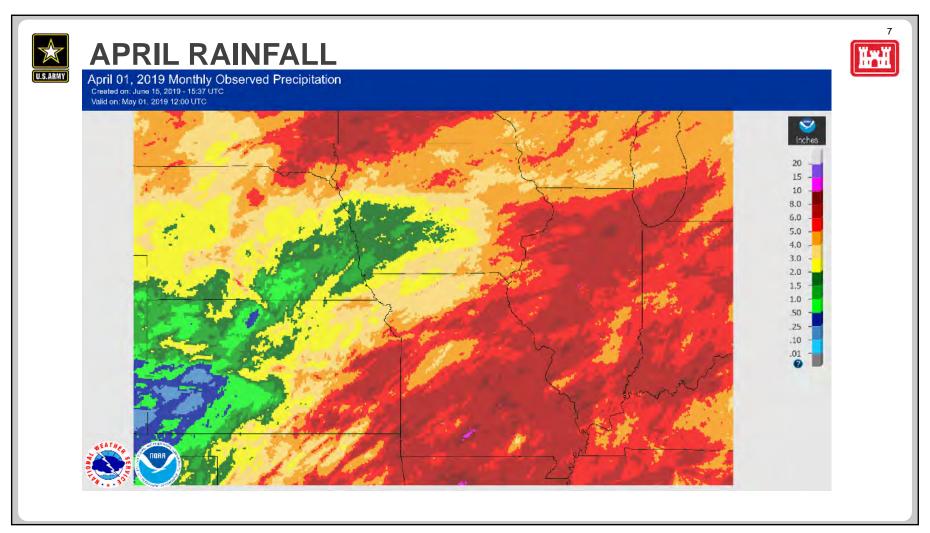


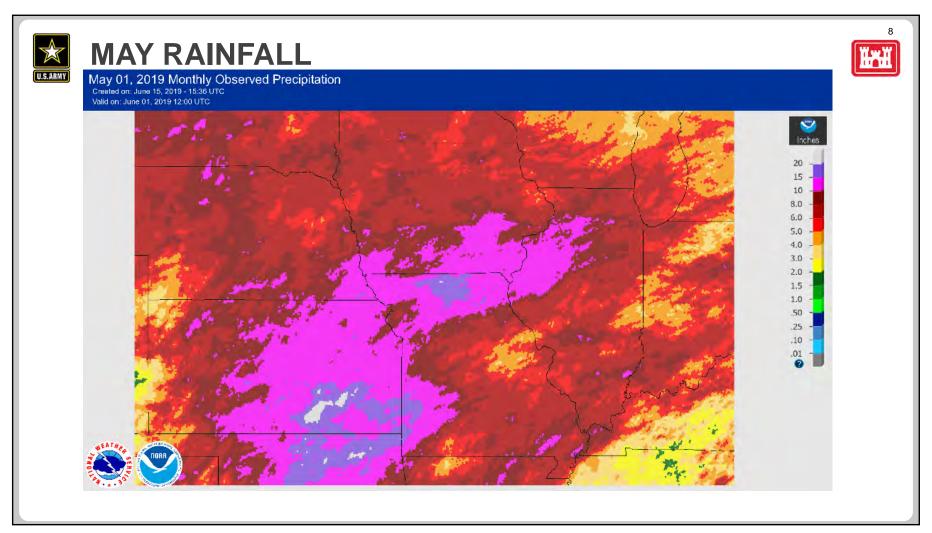


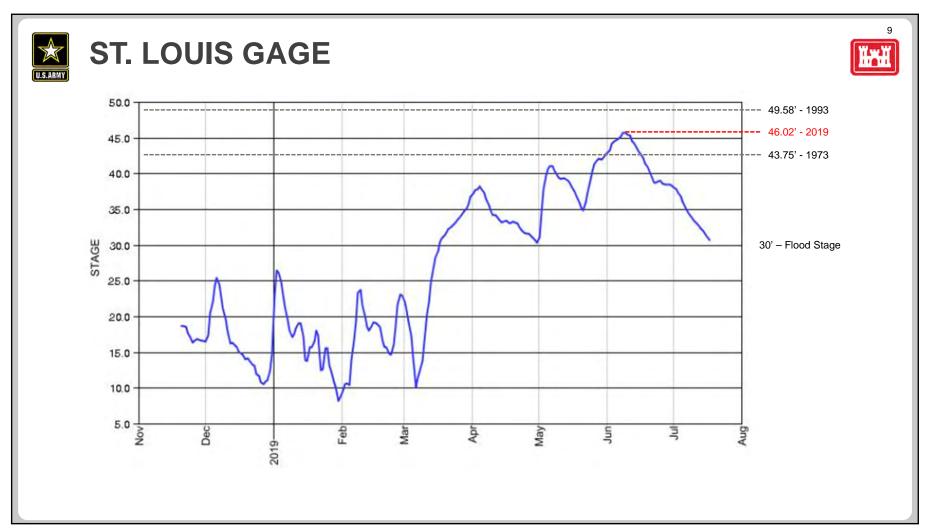










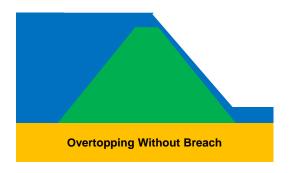


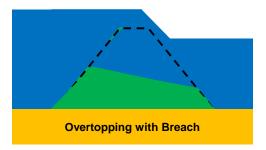


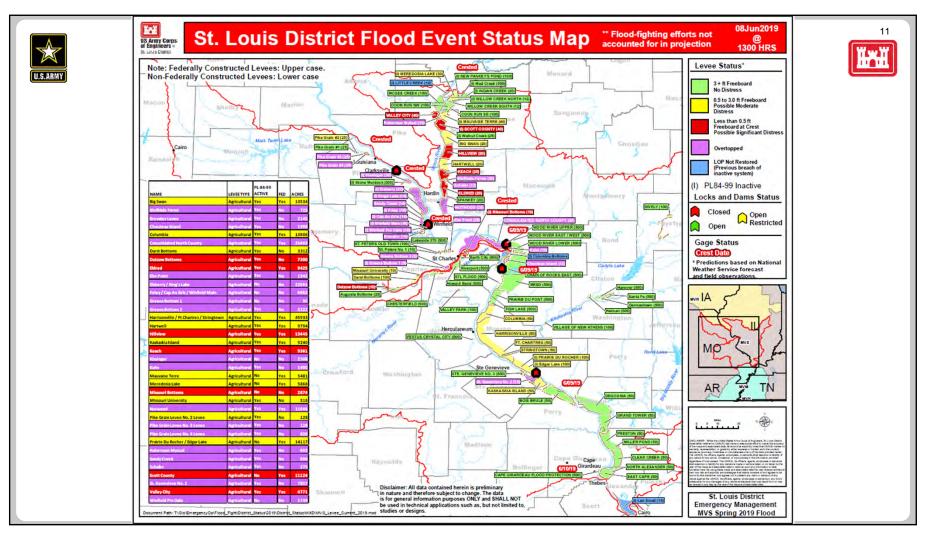
LEVEE PERFORMANCE - OVERTOPPING

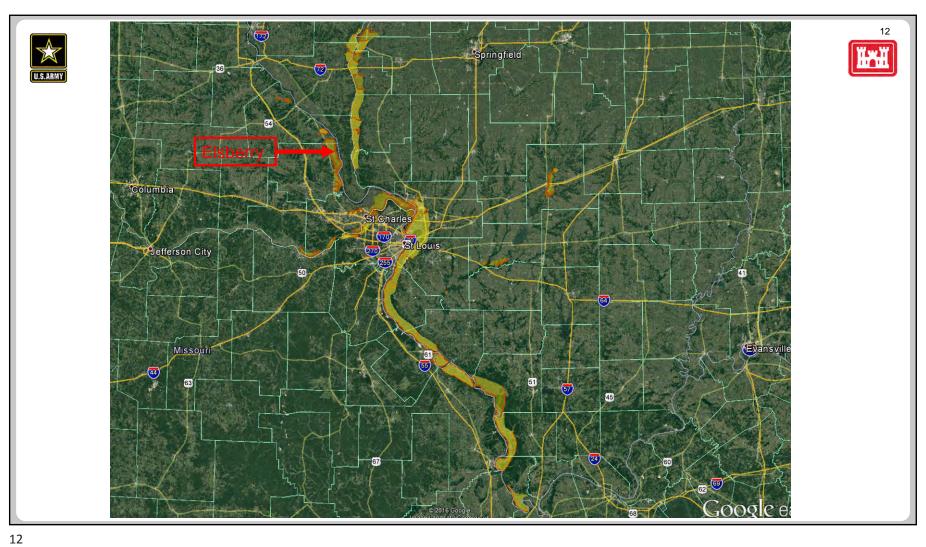


- 90 levee districts in the St. Louis District
- 24 levee segments / 18 levee systems overtopped
- 12 levee segments confirmed breached
- Over 100,000 acres inundated



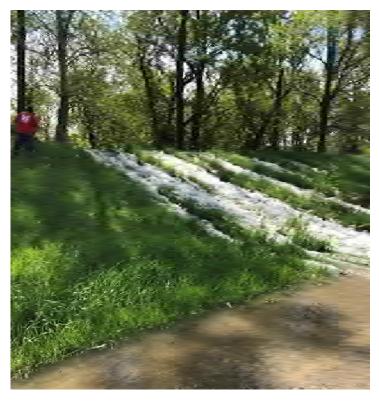


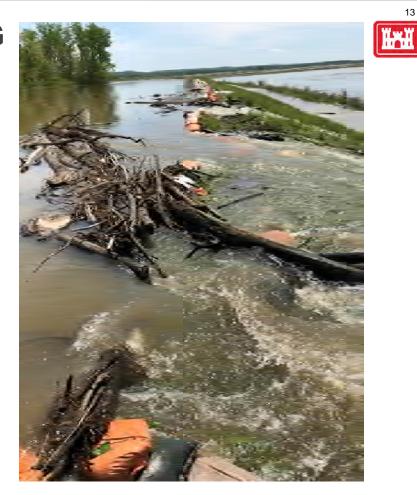






ELSBERRY OVERTOPPING

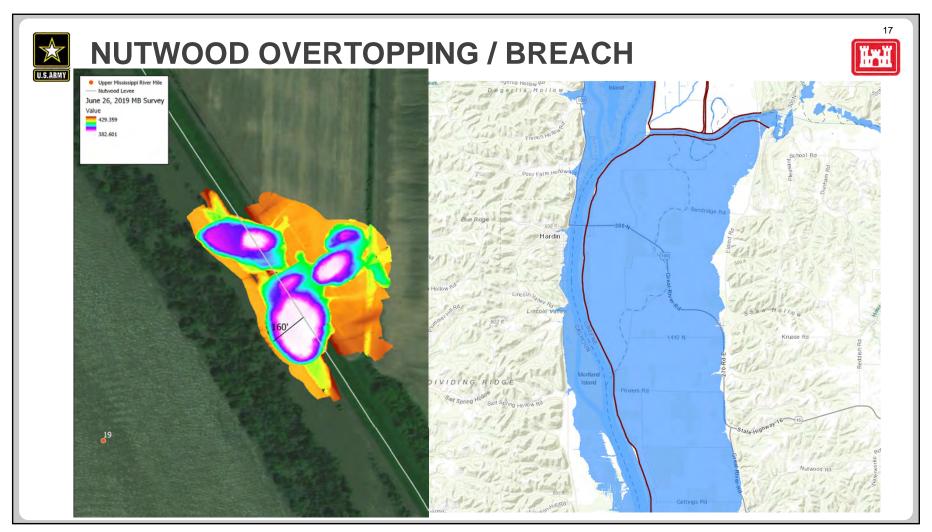


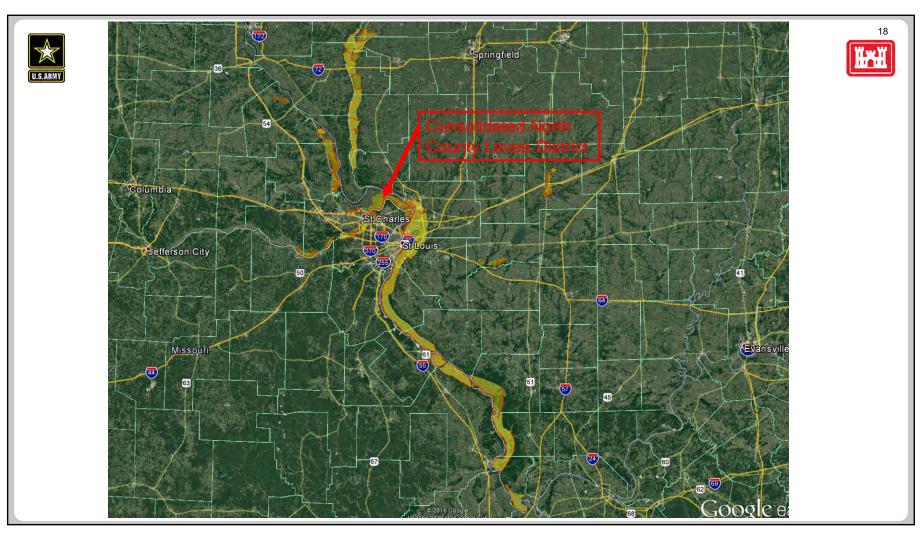




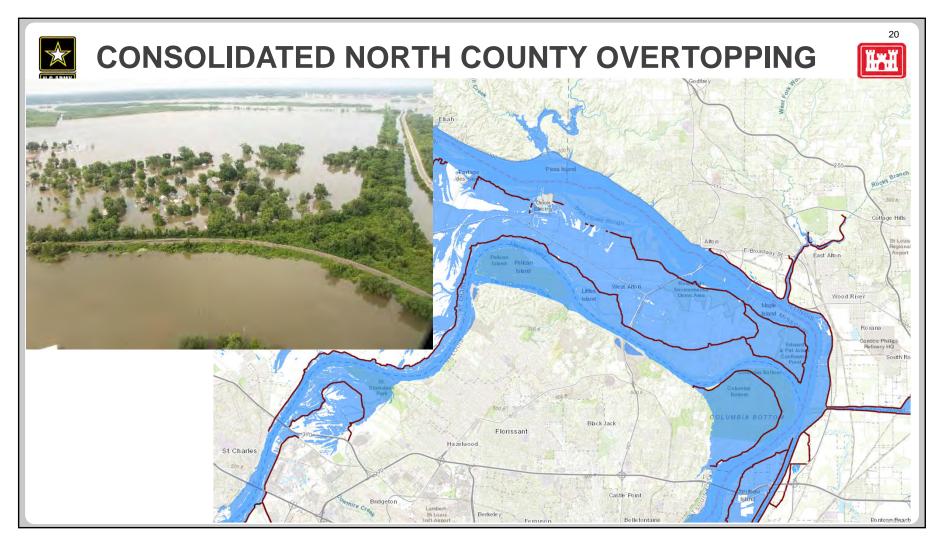


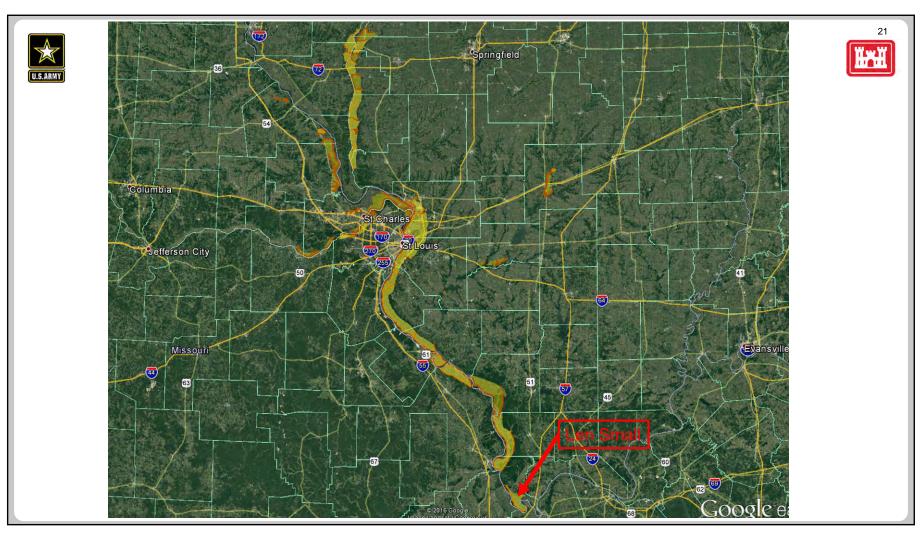


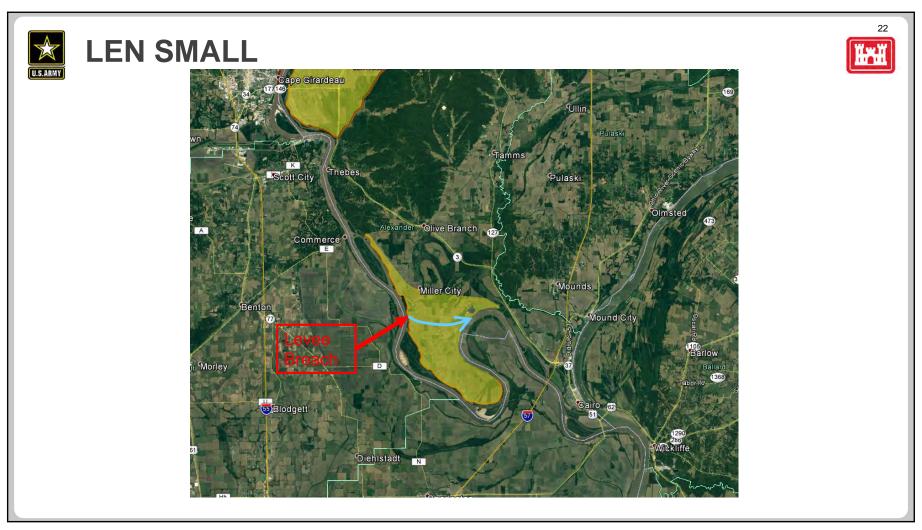










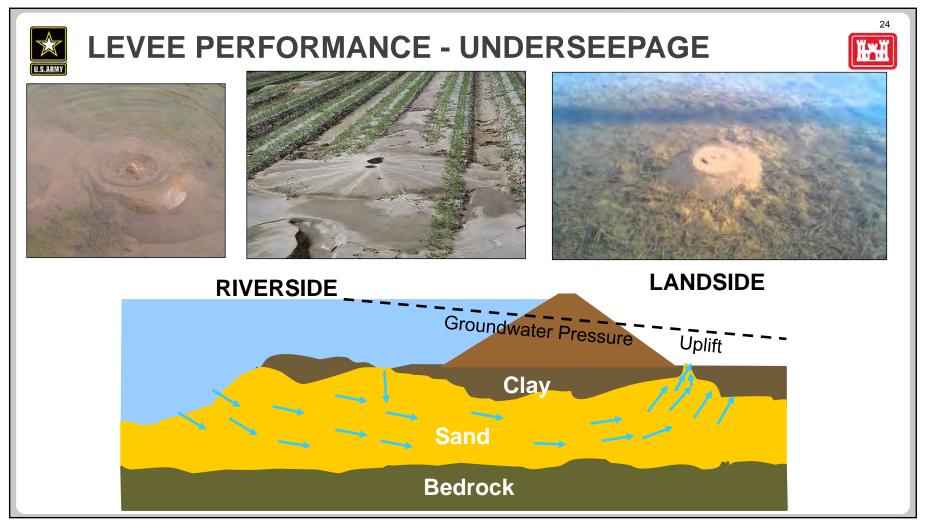


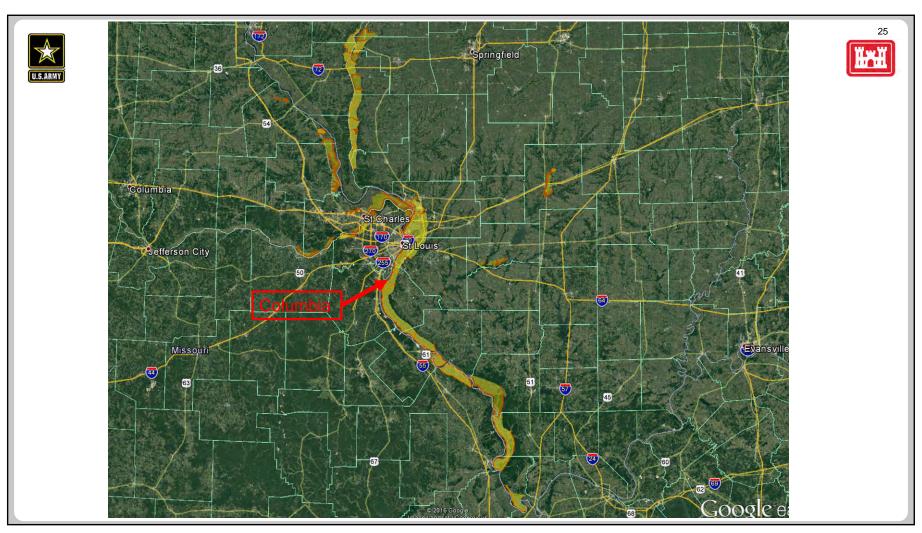


LEN SMALL – 14 JUNE 2019











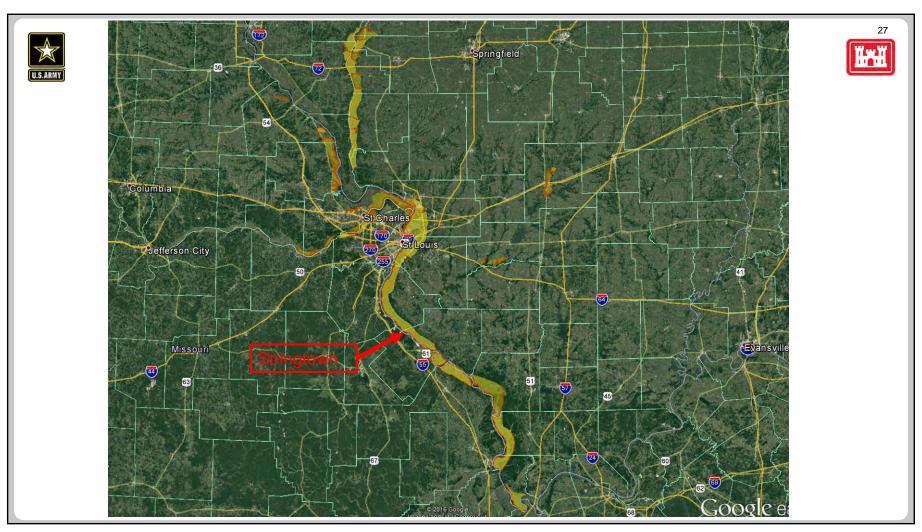
COLUMBIA SANDBOILS











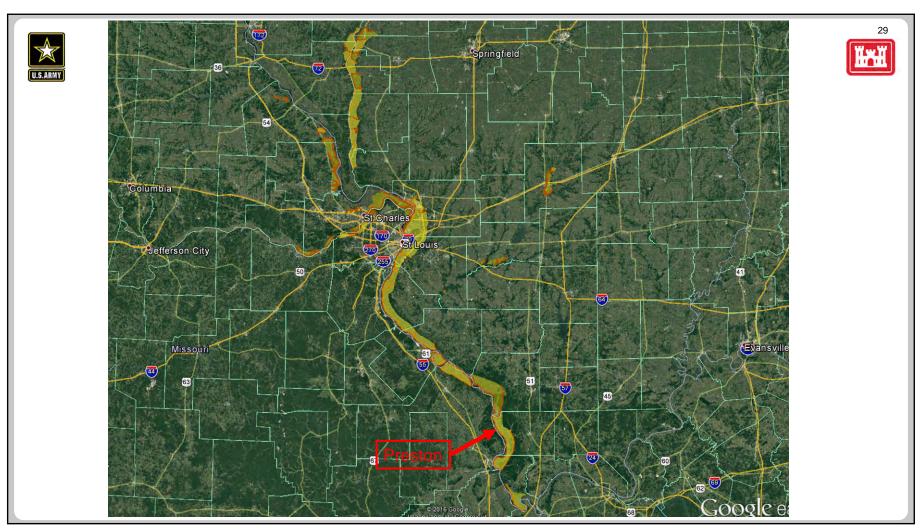


STRINGTOWN SANDBOIL











PRESTON SANDBOILS







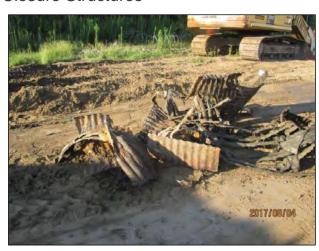






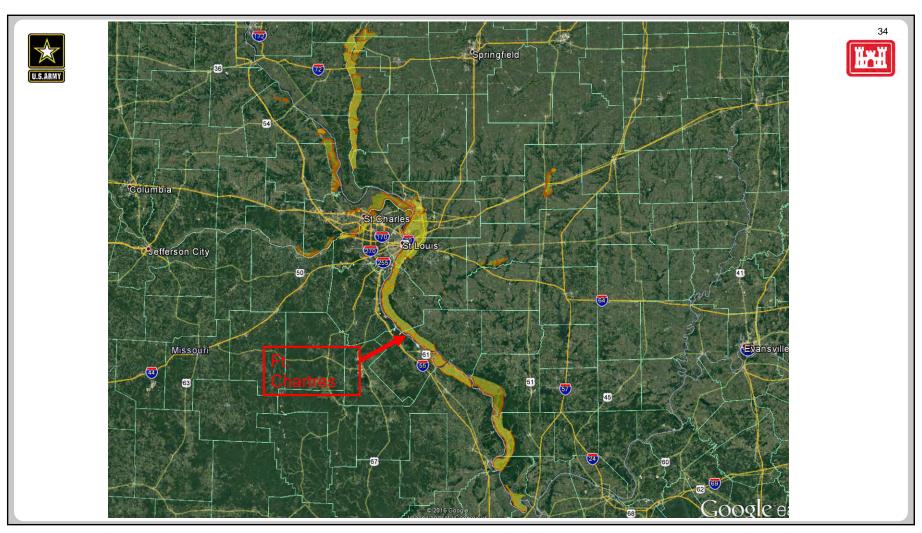
LEVEE PERFORMANCE – "AGING INFRASTRUCTURE"

- Many systems in the region constructed 60+ years ago
- Many components past design life
 - Culverts
 - Sluice Gates
 - Pump Stations / Discharge Pipes
 - Closure Structures









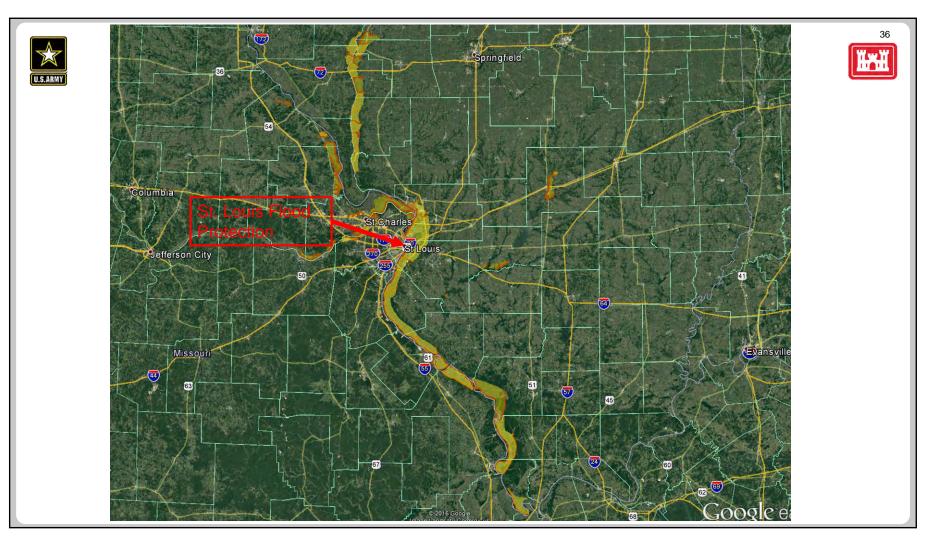


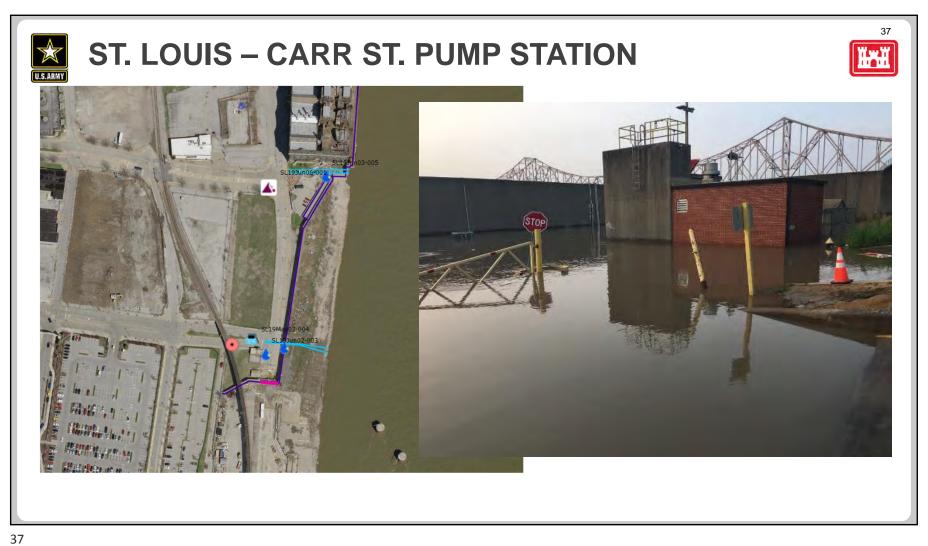
FT. CHARTRES - GRAVITY DRAIN

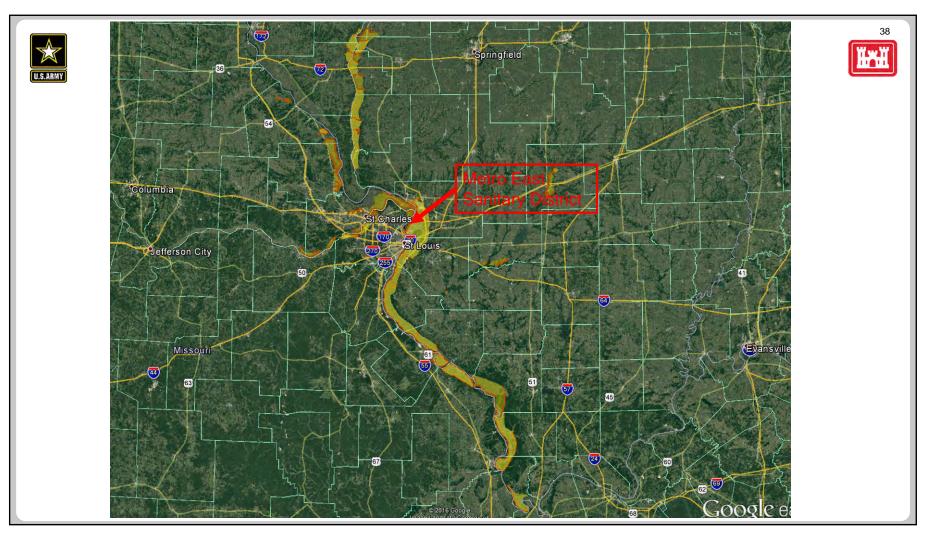


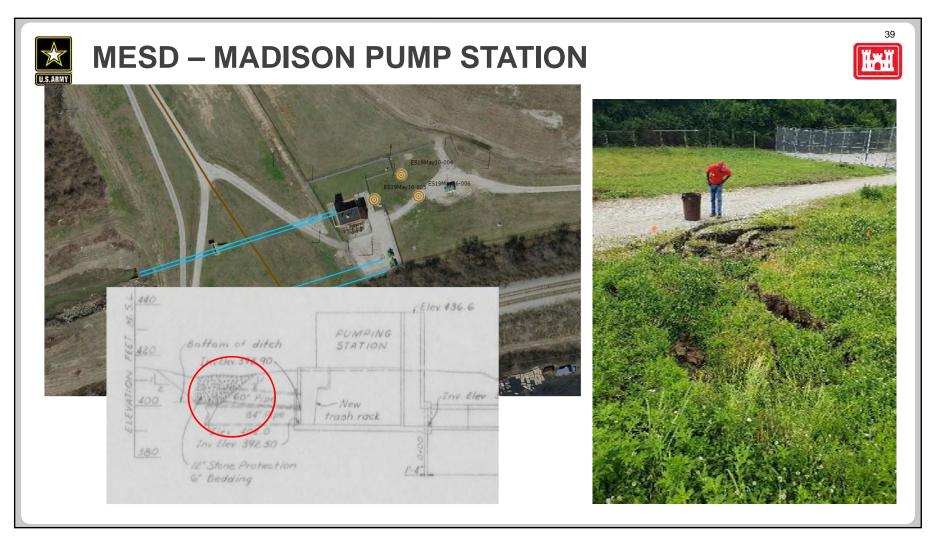


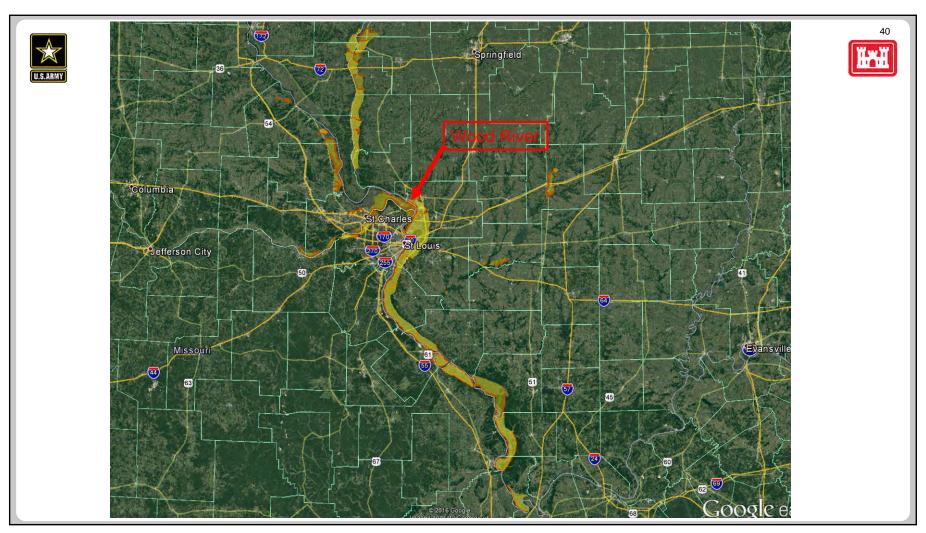














WOOD RIVER - EAST ALTON PUMP STATION









RECOVERY - PUBLIC LAW 84-99



- Floods between 2015 and 2017 resulted in 34 rehabilitation projects
 - Total costs over \$54 Million
 - 6 projects were still in construction prior to 2019 Flood Event
- New Damages
 - 30-40 new projects anticipated
 - ~\$50M Estimated
 - Requests for Assistance
 - Official window starting 26 July
 - "Preliminary" requests for assistance
 - Bulk PIR funds request
 - Initial repair at Nutwood







