

### USDA-ARS Hydraulic Engineering Research Unit Stillwater, OK



Sherry L. Hunt, PhD., Research Leader Innovations in Hydraulic Engineering since 1940.

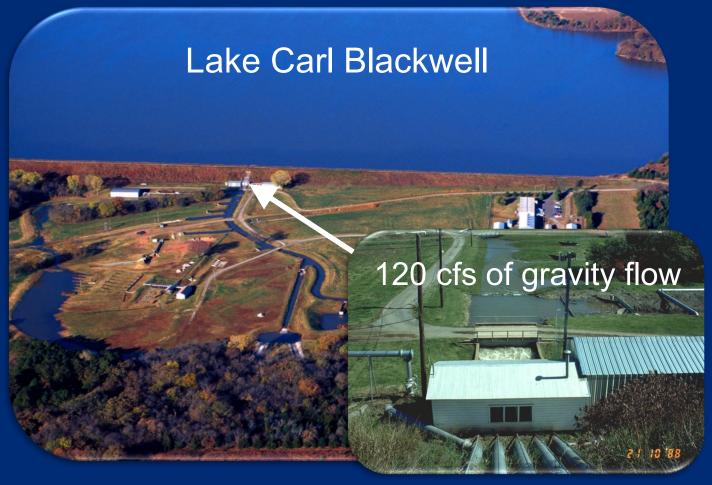


MISSION: Develop criteria for the analysis and WHEATSIGEAN UTNAM DATHER CROPS and channes (IFM CFS CONVEyance, storage, and measurement of runoff waters.











Design Concepts for Vegetated Waterways
Historic Landmark of Agricultural Engineering
Dedicated by American Society of
Agricultural and Biological Engineers in 1990

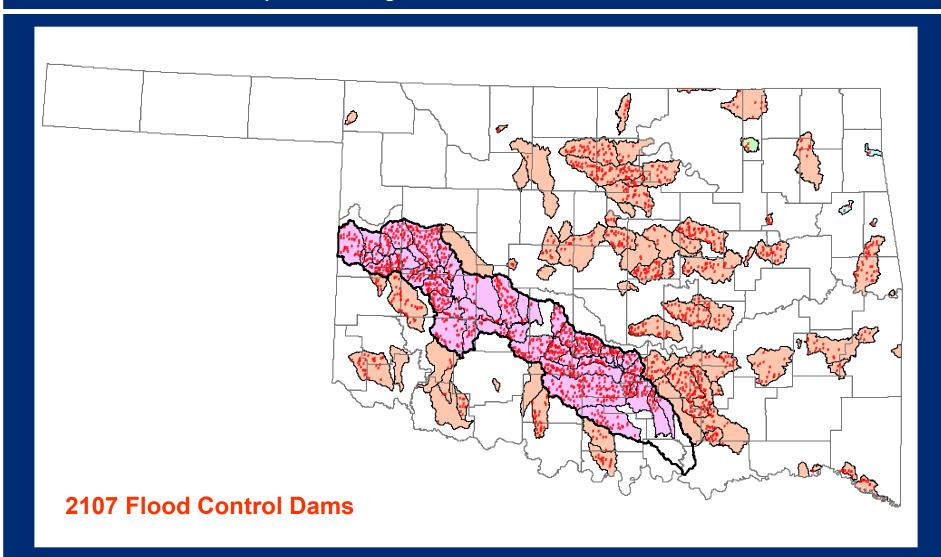








MISSION: Expanded to include Hydraulic Structures.



### **USDA Small Watershed Program**



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# SITES SOFTWARE in cooperation with USDA-NRCS and Kansas State University





The USDA Small Watershed Program
Historic Landmark of Agricultural Engineering
Dedicated by American Society of
Agricultural and Biological Engineers in 2011







- Competition for food, fiber and water
- Climate Change
- Aging infrastructure with structural deterioration and/or sedimentation
- Urbanization









**RCC Stepped Spillway Research** 

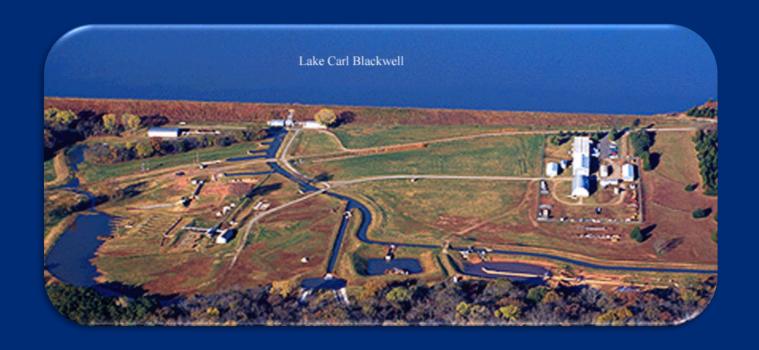




**Embankment Breach Research** 







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