

White Nose Syndrome- What's happening to our bats? Part 3 – VA Scientists Study WNS



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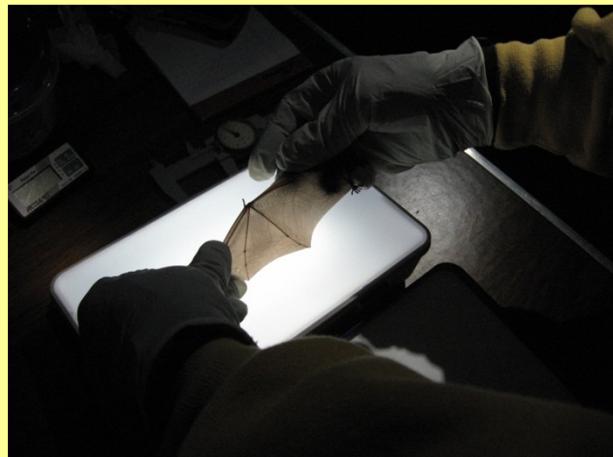
Dr. Karen Franc, Radford University

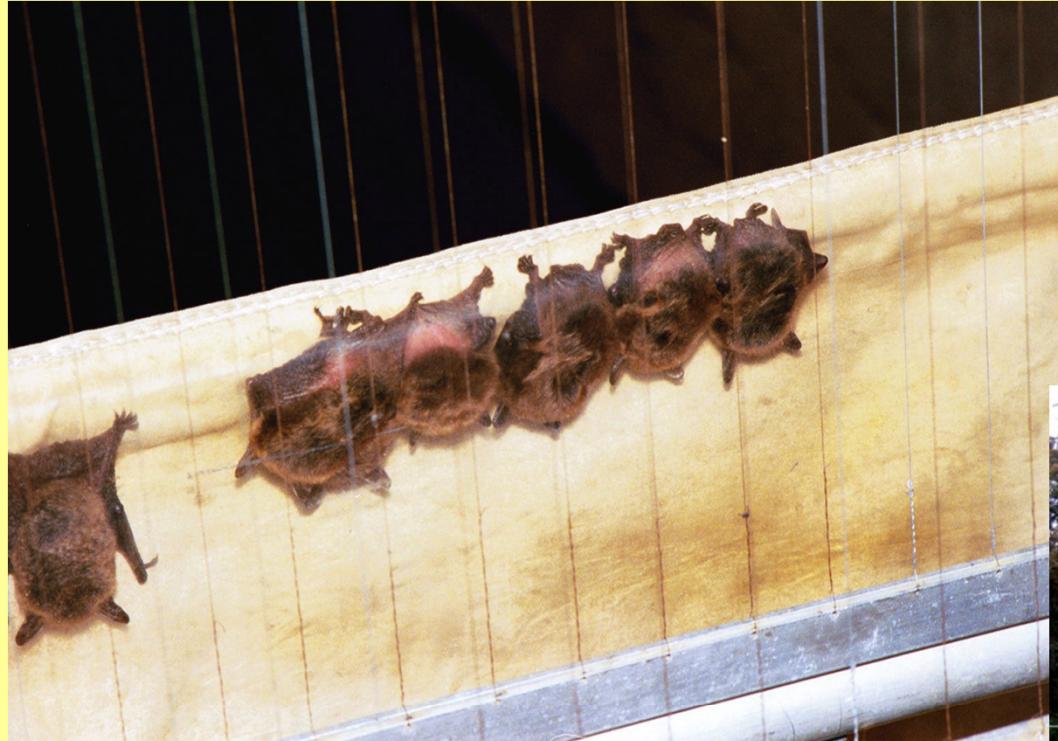
State agencies working with Federal agencies and caving organizations on WNS



Research and Monitoring Efforts in Virginia

- Monitor bat populations for spread of WNS
- Monitor WNS positive bat populations
 - Progression of disease
 - Banding to track movement of bats from WNS positive areas
 - Use banding to track progression of disease in individual bats
- Band gray bat populations to determine their interaction patterns and habitat use





Scientists study bats by trapping and identifying species



Collecting data



Making observations



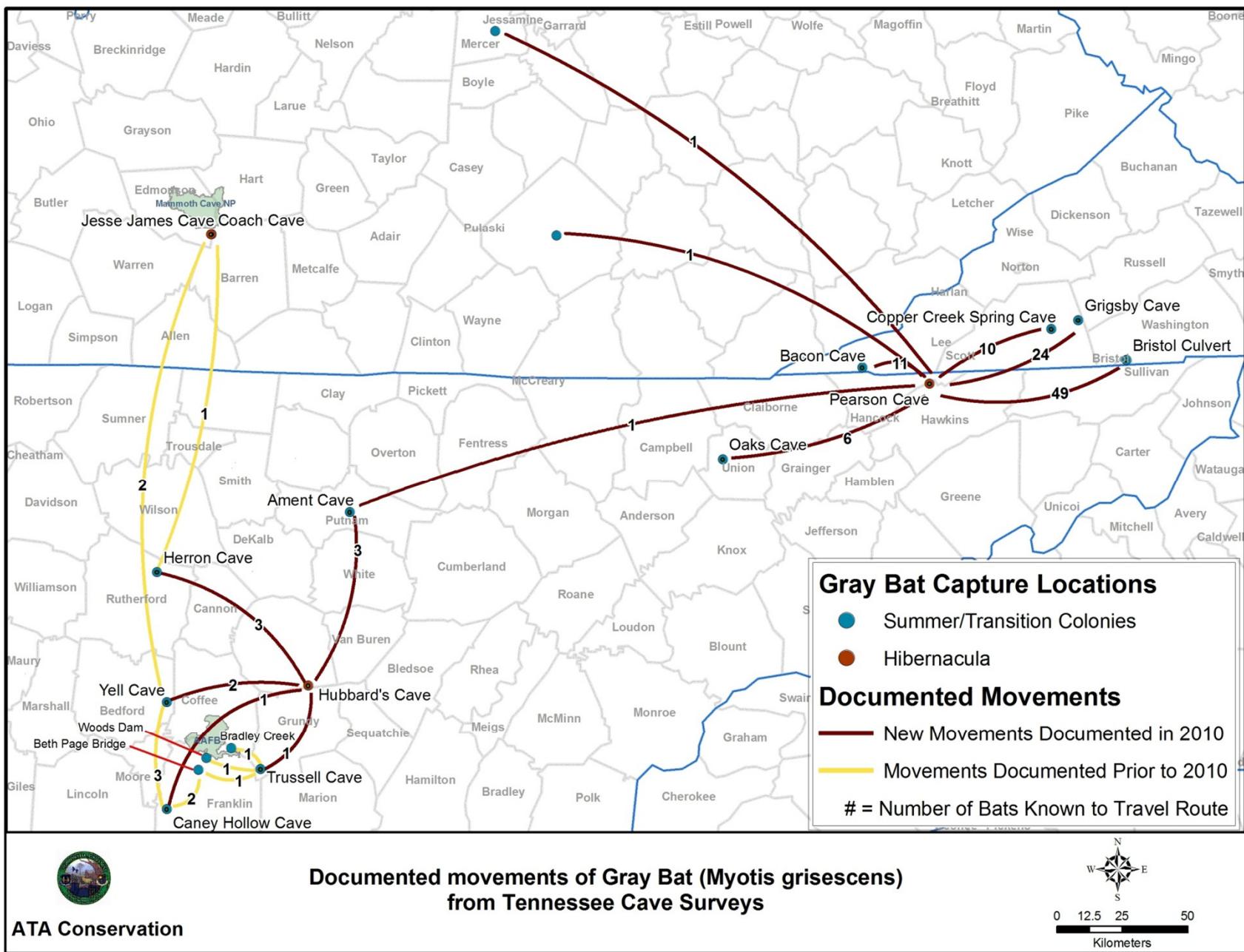


Gray bat banding and biometry

- Nearly 600 Gray bats processed and banded in 2009; another 600 in 2010
 - One maternity site
 - Four bachelor/mixed use colonies
- Need to determine background status of populations prior to WNS (first detected in a Gray bat in 2010)
- Track movement from summer sites to hibernacula to determine possible bat-bat transmission vectors should WNS infect Gray bats

Gray bat from Bristol maternity site





What Will WNS Mean to You?



For more information on WNS

DCR VA Karst Program

www.dcr.virginia.gov/natural_heritage/karsthyme.shtml

National Speleological Society

www.Caves.org/WNS

National Fish and Wildlife Service

<http://www.fws.gov/whitenosesyndrome/index.html>