

This permit report is for Rattling Cave in Cocke County, Tennessee. The permit was issued to Chris Ogle of Tennessee Wildlife Resources Agency (TWRA). Myself and TWRA would like to thank SCCi for your support and partnership in conducting this survey. We look forward to continued efforts with SCCi in the conservation and monitoring of Rattling Cave.

On February 1<sup>st</sup>, 2019 Chris Ogle (TWRA), Daniel Istvanko (TWRA), Reilly Jackson (UTK), and Mallory Tate (UTK) conducted a gray bat census of Rattling Cave. Upon rappelling into the cave, we first surveyed the short passages to the west where we found fewer bats utilizing this section than in 2017. We then headed to some passages to the South, where we encountered several more bats than in 2017. We then continued to head toward what was called “The Basement” on the map. Here is where we encountered most of the bats. After using a density estimate method, we quickly moved out of the basement. While Daniel and I were in the basement, Mallory and Reilly spent their time in the cave reading bat bands (Please see the table below). We then promptly exited the cave due to the arousal nature of gray bats.

Gray Bats (*Myotis grisescens*) 250, 689

Conclusions:

Rattling Cave is a priority gray bat cave for TWRA. It is TWRA’s hope that we can continue to monitor this cave possibly with a census every 2 years, which is the timeframe for our other gray bat caves in the state. We would also like to continue monitoring this cave over the summer with thermal imaging and harp trapping.

I would like to thank the SCCi again for their support and willingness to partner with us on this endeavor.

Chris S. Ogle  
Certified Wildlife Biologist®  
Wildlife Surveys Manager  
Tennessee Wildlife Resources Agency  
3030 Wildlife Way  
Morristown, TN 37814  
(423)-587-7037  
Cell (423)-693-6714

<b>Band ID</b>	<b>Sex</b>	<b>Band Origin</b>	<b>Date of First Capture</b>			
NCWRC A4418	M	NCDOT Bl	10/4/2018			
NCWRC A4433	M	NCDOT Bl	10/4/2018			
BRR A5553	M	NCDOT BR	10/14/2018			
BRR A5570	M	NCDOT BR	10/14/2018			
NCWRC A4451	M	NCDOT BR	10/3/2018			
NCWRC A4466	M	NCDOT BR	10/3/2018			
NCWRC A4468	M	NCDOT BR	10/3/2018			
NCWRC A4469	M	NCDOT BR	10/3/2018			
NCWRC A3703	M	NCDOT BR	9/26/2018			
NCWRC A3704	F	NCDOT BR	9/26/2018			
NCWRC A2715	F	NCDOT BR	8/30/2018			
NCWRC A3962	M	NCDOT Ma	4/20/2018			
NCWRC A3517	M	NCDOT Ma	8/14/2018			
NCWRC A3927	M	NCDOT Ma	9/28/2018			
NCWRC A4473	M	NCDOT So	10/1/2018			
NCWRC A4478	M	NCDOT So	10/1/2018			
NCWRC A3957	M	NCDOT So	4/19/2018			
BRR A5495	M	NCDOT So	7/26/2018			
BRR A5466	M	NCDOT So	7/26/2018			
NCWRC A3504	M	NCDOT So	8/15/2019			
NCWRC A3508	M	NCDOT So	8/15/2019			
NCWRC A3716	M	NCDOT So	8/15/2019			
NCWRC A3735	M	NCDOT So	8/15/2019			
NCWRC A3524	M	NCDOT So	8/6/2018			
NCWRC A3532	M	NCDOT So	8/6/2018			
NCWRC A3536	M	NCDOT So	8/6/2018			
TWRA 05436	M	Rattling Ca	7/7/2017			
TWRA 05297	M	Rattling Ca	7/7/2017			
TWRA 05290	M	Rattling Ca	7/7/2017			
TWRA 05340	M	Rattling Ca	7/7/2017			
TWRA 0534?	?	Rattling Ca	7/7/2017			
TWRA 01808	M	Oaks Cave	6/8/2018			