

Appendix I – Phase 1 Cave Assessment and Photos

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Phase I Habitat Assessment

Location: White Property, Rolan, KY (Clinton County)
 Observers: Holly LeGrand, Heather Hart
 Latitude, Longitude: -85.05819444, 36.67452778
 Date: 05/24/2010 Time: 1230 EST Temperature (outside): 82°F

	Portal #1	Portal #2	Portal #3	Portal #4
Opening (cave, quarry, shaft, or adit)	CAVE			
Opening Size: Height x Width (or Diameter)	~4' x 3'			
Internal Dimensions: Height x Width	12' H x 60' W			
Slope (up or down from entrance)	down			
Entrance Stable?	yes			
Direction of Airflow (In or out?)	N/A			
Amount of Airflow (e.g., none, slight, heavy)	none			
Air warmer or cooler than outside temp.	cooler			
Evidence of collapse?	yes			
Ceiling Condition	densely covered in stalagmites			
Amount of water in opening	none			
Evidence of past flooding?	yes			
Observed length of portal	~100 feet			
Distance to nearest water source	0.3 miles			
% Canopy Cover at portal entrance	75%			
Foraging Signs? (e.g., moth wings)	mammal scat (raccoon)			

Are any portals suspected or known to be connected? Which ones? No

Any observable side passages? No

Additional comments: stalagmites present along floor as well

Entry of abandoned mine portals, quarries, or caves can be extremely dangerous because of the potential for ceiling collapse and presence of toxic gases. Safety or health problems may occur as a result of entering abandoned mines. The USFWS does not authorize or require anyone to enter any potential hibernaculum that is or could be unsafe while implementing surveys. In some cases, entry is prohibited by the Kentucky Department of Mines and Minerals (KRS 352.100) and Mine Safety and Health Administration (30 CFR 75.202(b)). These guidelines do not require any applicant or applicant employee, consultant, lessee, or other such designee to enter into any cave, quarry, or mine portal

Byrdstown, Tennessee, 161-kV Transmission Line and Switching Station





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