

Review of Potentially Suitable Hibernacula within the Action Area

Feature Name	Feature ID	State	County	Portal Opening ID	Suitability as Documented in the BA ¹	Indiana Bat Status as Documented in the BA ¹	Northern Long-eared Bat Status as Documented in the BA ¹	Distance to LOD as Documented in the BA ¹ (m)	Actual Distance to LOD Based on Reference(s) in Column R (m)	Cave Length Based on Reference(s) in Column R (ft)	Closest Feature Within LOD	Topographic Setting/ Gradient Based on Reference(s) in Column R	Cave Description Based on Reference(s) in Column R	Suitability Based on Physical Details ²	Potential for Construction Impact ³	Basis for Determinations	Cave Data References ⁴	U.S. Fish And Wildlife Service Comments
[REDACTED]	WV-0055	West Virginia	Braxton	[REDACTED]	Suitable	Not Occupied	Known	[REDACTED]	[REDACTED]	60	ROW	The mine portal is located on a 40 degree slope on a wooded hillside in the near side of a small draw that is adjacent to the route as it comes down the hillside.	[REDACTED]	Suitable	Potential	MVP will prepare a site specific plan to avoid adverse affects to federally listed bats that use this portal	ESI Field Review	Conservation measure will be applied to this portal to avoid adverse effects, OK
[REDACTED]	VA-0259	Virginia	Giles	[REDACTED]	Suitable	Suitable, Unsurveyed	Suitable, Unsurveyed	[REDACTED]	[REDACTED]	9000	Access Road	Upgradient from existing access road	[REDACTED]	Suitable	No	no impact based on existing access that will not be upgraded or widened, it will be used in its current condition for light truck traffic only	Virginia Speleological Survey, DAA Karst Team	OK
[REDACTED]	VA-0260	Virginia	Giles	[REDACTED]	Suitable	Suitable, Unsurveyed	Suitable, Unsurveyed	[REDACTED]	[REDACTED]	50	Access Road	Downgradient from existing access road	[REDACTED]	Suitable	No	no impact based on existing access that will not be upgraded or widened, it will be used in its current condition for light truck traffic only	ESI Field Review	OK
[REDACTED]	VA-0261	Virginia	Giles	[REDACTED]	Suitable	Suitable, Unsurveyed	Suitable, Unsurveyed	[REDACTED]	[REDACTED]	20	Access Road	Downgradient from existing access road	[REDACTED]	Suitable	No	no impact based on existing access that will not be upgraded or widened, it will be used in its current condition for light truck traffic only	ESI Field Review	OK
[REDACTED]	VA-0134	West Virginia	Nicholas	[REDACTED]	Suitable	Suitable, Unsurveyed	Suitable, Unsurveyed	[REDACTED]	[REDACTED]	60	Access Road	Upslope from existing access road	[REDACTED]	Suitable	No	no impact based on upgradient of existing access road, road will be widened and upgraded and will be supplemented with additional E&S controls near the potential portal location	ESI Field Review	OK
[REDACTED]		Virginia	Giles	[REDACTED]	Suitable	Known	Known	[REDACTED]	[REDACTED]	3980	ROW	On hillside opposite side Rd and Creek from LOD. Hydrologically upgradient.	[REDACTED]	Suitable	No	no impact based on hydrologic and geologic analysis, addressed in BA	Douglas, Holsinger, DAA Karst Team	OK
[REDACTED]	VA-0129	Virginia	Giles	[REDACTED]	Suitable	Not Occupied	Known	[REDACTED]	[REDACTED]	3388	Access Road	Cave is uphill from route and AR	[REDACTED]	Suitable	No	no impact based on hydrologic and geologic analysis, addressed in BA	Douglas, Holsinger, DAA Karst Team	OK
[REDACTED]	VA-0136	Virginia	Montgomery	[REDACTED]	Suitable	Suitable, Unsurveyed	Suitable, Unsurveyed	[REDACTED]	[REDACTED]	215	ROW	Sideways two draws southwest.	[REDACTED]	Suitable	No	no impact based on outside of 0.5-mile buffer	Douglas, DAA Karst Team	OK
[REDACTED]	VA-0131	Virginia	Giles	[REDACTED]	Unknown	Suitability Unknown	Suitability Unknown	[REDACTED]	[REDACTED]	208	Access Road	Downslope from existing gravel driveway.	[REDACTED]	Potential	No	no impact based on trend parallel to existing access road (Steele Acres Drive) that will not be upgraded or widened, and will be supplemented with additional E&S controls	Holsinger	OK
[REDACTED]	VA-0140	Virginia	Montgomery	[REDACTED]	Unknown	Suitability Unknown	Suitability Unknown	[REDACTED]	[REDACTED]	600	ROW	In hillside above Route.	[REDACTED]	Potential	No	no impact based on upgradient and distance to end of cave	Douglas, DAA Karst Team	OK
[REDACTED]	VA-0250	Virginia	Giles	[REDACTED]	Unknown	Suitability Unknown	Suitability Unknown	[REDACTED]	[REDACTED]	1530	ROW	Upgradient, across creek, over a hill.	[REDACTED]	Potential	No	no impact based on upgradient and distance to end of cave	Holsinger, DAA Karst Team	OK
[REDACTED] t	VA-0245	Virginia	Giles	[REDACTED]	Unknown	Suitability Unknown	Suitability Unknown	[REDACTED]	[REDACTED]	85	Access Road and ROW	Located at approximately the same contour farther along the mountain.	[REDACTED]	Potential	No	no impact based on distance to single pit, no trend	Douglas	OK
[REDACTED]	VA-0133	Virginia	Giles	[REDACTED]	Unknown	Suitability Unknown	Suitability Unknown	[REDACTED]	[REDACTED]	6230	ROW	Upgradient	[REDACTED]	Potential	No	no impact based on upgradient and trends away	Douglas, Holsinger, DAA Karst Team	OK

██████████	VA-0142	Virginia	Montgomery	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	503	Access Road	Sideways across a ridge and draw.	██████████ ██████████ ██████████	Potential	No	no impact based on topography across a ridge	Virginia Speleological Survey, DAA Karst Team	OK
██████████	VA-0194	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	500	Access Road	On flank of mountain across creek, road, and US-460. Upgradient.	██	Potential	No	no impact based on topography upgradient on ridge on different mountain across road and stream	Douglas, Holsinger	OK
██████████	VA-0141	Virginia	Montgomery	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	1323	ROW	Downgradient	██	Potential	No	no impact based on distance 0.49-mile from LOD and trend away	Douglas, DAA Karst Team	OK
██████████	VA-0199	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	437	ROW	On opposite hill	██████████ ██████████ ██████████	Potential	No	no impact based on entrance outside 0.5-mile buffer, closest passage is 0.44-mile	Virginia Speleological Survey, DAA Karst Team	OK
██████████	VA-0238	Virginia	Montgomery	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████					Potential	No	no impact based on outside of 0.5-mile buffer, outside action area	ESI, DAA Karst Team	OK
██████████	VA-0147	Virginia	Montgomery	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	68	Access Road	Across several ridges	██████████ ██████████ ██████████	Potential	No	no impact based on outside of 0.5-mile buffer	Douglas	OK
██████████	VA-0159	Virginia	Montgomery	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	135	Access Road	Other side of draw from AR.	██████████ ██████████ ██████████	No	No	no impact based on topography and trend away from AR	Virginia Speleological Survey, DAA Karst Team	Based on the information provided, FWS has determined this is unsuitable.
██████████	VA-0162	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	10	ROW	Downgradient but not in draw	██	No	N/A	not suitable based on cave length	Holsinger, DAA Karst Team	OK
██████████	VA-0154	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	0	ROW	Sideways from route, in powerline clearing	██	No	N/A	not suitable based on cave length	DAA Karst Team	OK
██████████e	VA-0164	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	535	Access Road	On hill above AR	██████████ ██████████ ██████████	No	No	no impact based on upgradient and trend away, not suitable based on entrance size and blockage	Douglas, Virginia Speleological Survey, DAA Karst Team	OK
██████████s)	VA-0132	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	0	ROW	Uphill from ROW.	██	No	No	no impact based topography upgradient, not suitable base on entrance and cave length	DAA Karst Team	OK
██████████	VA-0143	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	75	ROW	Sideways from route	██	No	N/A	not suitable based on surface pit	Virginia Speleological Survey	OK
██████████	VA-0157	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	72	ROW	Sideways from route.	██████████ ██████████ ██████████	No	N/A	not suitable based on cave length and no air flow	DAA Karst Team	OK
██████████	VA-0253	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	40	ROW	Upgradient of route.	██	No	N/A	not suitable based on cave length	Douglas, Virginia Speleological Survey	OK

██████████	VA-0209	Virginia	Montgomery	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	60	ROW	On opposite hill across low saddle	██	No	N/A	not suitable based on surface pit and no airflow	Virginia Speleological Survey, DAA Karst Team	OK
██████████	VA-0216	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	135	Access Road and ROW	Upgradient	██	No	No	no impact based on upgradient, not suitable based on surface and no airflow	Virginia Speleological Survey, DAA Karst Team	OK
██████████████████	VA-0215	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	92	Access Road and ROW	Upgradient	██	No	No	no impact based on upgradient, not suitable based on surface and no airflow	Virginia Speleological Survey, DAA Karst Team	OK
██████████	VA-0220	Virginia	Montgomery	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	20	Access Road	upgradient and across I81 from access road	██	No	N/A	not suitable based on cave length	Virginia Speleological Survey	OK
██████████	VA-0225	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	15	ROW	Sideways across a small sadle, on next ridge.	██████████████████	No	N/A	not suitable based on cave length	Virginia Speleological Survey, DAA Karst Team	OK
██████████	VA-0158	Virginia	Montgomery	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	50	Access Road	Sideways a couple ridges and draws from AR.	██	No	N/A	not suitable based on entrance	Virginia Speleological Survey, DAA Karst Team	OK
██████████	VA-0146	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	8	ROW	Upgradient	██████████████████	No	N/A	not suitable based on entrance and cave length	Virginia Speleological Survey	OK
██████████████████	VA-0234	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	12	ROW	On other side of hill.	██	No	N/A	not suitable based on cave length	Virginia Speleological Survey	OK
██████████████████	VA-0182	Virginia	Montgomery	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	15	ROW	Across ridges, creekbed, road and up next hillside. Upgradient.	██████████████████	No	N/A	not suitable based on cave length	Douglas, Virginia Speleological Survey	OK
██████████	VA-0145	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	55	ROW	Upgradient	██	No	N/A	not suitable based on surface pit	Douglas, Virginia Speleological Survey, DAA Karst Team	OK
██████████████████	VA-0218	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	10	ROW	Upgradient	██	No	N/A	not suitable based on cave length and suface pit	Virginia Speleological Survey, DAA Karst Team	OK
██████████	VA-0230	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	40	Access Road	Other side of hill, down the ridge.	██	No	No	no impact based on outside of 0.5-mile buffer, topography, not suitable based on length	Virginia Speleological Survey	OK
██████████	VA-0169	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	40	ROW	Upgradient	██████████████████	No	No	no impact based on outside of 0.5-mile buffer, upgradient, not suitable based on cave length	Douglas, Virginia Speleological Survey	OK
██████████	VA-0246	Virginia	Giles	██████████	Unknown	Suitability Unknown	Suitability Unknown	██████████	██████████	400	ROW	Downgradient.	██	No	No	no impact based on outside 0.5-mile buffer, not suitable based on fill	Douglas	OK

