

**From:** [Stahl, Megan D.](#)  
**To:** [Cindy Schulz](#); [Barbara Douglas](#); [Lennon, Tiernan](#); [Sumalee Hoskin](#); [Centofanti, John](#)  
**Subject:** RE: MVP bat conservation measure  
**Date:** Thursday, October 26, 2017 1:17:04 PM  
**Attachments:** [2017\\_10\\_26-MVP Potential Hib Within Action Area-with cave descriptions.xlsx](#)

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-----Original Appointment-----

**From:** Stahl, Megan D.

**Sent:** Thursday, October 26, 2017 11:55 AM

**To:** Stahl, Megan D.; Cindy Schulz; Barbara Douglas; Lennon, Tiernan; Sumalee Hoskin; Centofanti, John

**Subject:** MVP bat conservation measure

**When:** Thursday, October 26, 2017 1:00 PM-2:00 PM (UTC-05:00) Eastern Time (US & Canada).

**Where:** conference call

Please use the number below for our discussion about the proposed bat conservation measure.

Dial: [REDACTED]

Leader: [REDACTED]

Participant: [REDACTED]

FeatureName	FeatureId	State	County	Portal Opening ID	Suitability	Indiana Bat Status	Northern Long-eared Bat Status	NEAR_DIST_Meters	Actual Distance to LOD (meters)	Cave Length (feet)	Closest Feature within LOD	Topographic setting/ gradient	Cave Description	Suitability	Construction Impact	
	VA-0129	Virginia	Giles		Suitable	Not Occupied	Known	275.009523		3388	AR	Cave is uphill from route and AR. On hillside opposite side Rd and Creek from LOD. Hydrologically significant.		Suitable addressed in BA	No	based on hydrologic and geologic analysis
	VA-0134	Virginia	Giles		Suitable	Known	Known	39.796908		3980	ROW			Suitable addressed in BA	No	based on hydrologic and geologic analysis
	VA-0136	Virginia	Montgomery		Suitable	Unsurveyed	Unsurveyed	654.627275		215	ROW	Sideways two draws southwest.		Suitable	No	no impact based on outside of 0.5-mile buffer
												The limestone mine intersected a cave some distance into the mine and subsequently portions of the cave were quarried away. The mine portal has a large steel door. This location is the mine entrance door.				no impact based on existing access that will only be used for light truck traffic
	VA-0259	Virginia	Giles	1	Suitable	Unsurveyed	Unsurveyed	27.16238		9000	AR	40 degree slope on wooded hillside		Suitable	No	
	WV-0055	West Virginia	Braxton		Suitable	Not Occupied	Known	7.796084		60	ROW			Suitable	Potential	no impact based on existing access that will not be upgraded and will only be used for light truck traffic
	VA-0260	Virginia	Giles		Suitable	Unsurveyed	Unsurveyed	57.330464			AR			Suitable	No	no impact based on existing access that will not be upgraded and will only be used for light truck traffic
	VA-0261	Virginia	Giles		Suitable	Unsurveyed	Unsurveyed	64.752073			AR			Suitable	No	no impact based on existing access that will not be upgraded
		West Virginia	Nicholas		Suitable	Unsurveyed	Unsurveyed	67.22		60	AR			Suitable	No	no impact based on entrance outside 0.5-mile buffer closest passage is 0.44-mile
	VA-0199	Virginia	Giles		Unknown	Suitability Unknown	Suitability Unknown	839.032526		437	ROW	On opposite hill		Potential	No	no impact based on distance 0.49-mile from LOD and trend away not suitable based on flooding
	VA-0141	Virginia	Montgomery		Unknown	Suitability Unknown	Suitability Unknown	785.851482		1323	ROW	Downgradient		Potential	No	no impact based on topography upgradient on ridge on different mountain across road and stream
	VA-0194	Virginia	Giles		Unknown	Suitability Unknown	Suitability Unknown	720.408061		500	AR	On flank of mountain across creek road and US-460. Upgradient.		Potential	No	no impact based on topography across a ridge
	VA-0142	Virginia	Montgomery		Unknown	Suitability Unknown	Suitability Unknown	642.762047		503	AR	Sideways across a ridge and draw.		Potential	No	no impact based on topography across a ridge
	VA-0133	Virginia	Giles		Unknown	Suitability Unknown	Suitability Unknown	499.548032		62	0 ROW	Upgradient		Potential	No	no impact based on upgradient and trends away
	VA-0245	Virginia	Giles	1	Unknown	Suitability Unknown	Suitability Unknown	474.08498		85	Both	Sideways far along the mountain.		Potential	No	no impact based on distance to single pit no trend
	VA-0250	Virginia	Giles		Unknown	Suitability Unknown	Suitability Unknown	336.734631		15	0 ROW	Upgradient across creek over a hill.		Potential	No	no impact based on topography and trend away from AR
	VA-0159	Virginia	Montgomery		Unknown	Suitability Unknown	Suitability Unknown	257.484228		135	AR	Other side of draw from AR.		Potential	No	no impact based on upgradient and distance to end of cave
	VA-0140	Virginia	Montgomery	1	Unknown	Suitability Unknown	Suitability Unknown	123.04616		600	ROW	In hillside above Route.		Potential	No	no impact based on topography and trend away from AR
																no impact based on upgradient and distance to end of cave
	VA-0131	Virginia	Giles	1	Unknown	Suitability Unknown	Suitability Unknown	38.321999		208	AR	Downslope from existing gravel driveway.		Potential	No	no impact based on trend parallel to existing access road
	VA-0238	Virginia	Montgomery		Unknown	Suitability Unknown	Suitability Unknown	906.26135						Potential	No	no impact based on outside of 0.5-mile buffer
	VA-0147	Virginia	Montgomery		Unknown	Suitability Unknown	Suitability Unknown	734.64703						Outside Action Area	No	outside of 0.5-mile buffer
	VA-0217	Virginia	Giles		Unknown	Suitability Unknown	Suitability Unknown	941.206162		25	Both	Upgradient		No	N/A	no impact based on outside of 0.5-mile buffer upgradient not suitable based on cave length
	VA-0151	Virginia	Montgomery		Unknown	Suitability Unknown	Suitability Unknown	936.734077		46	AR	On low ridge		No	N/A	outside of 0.5-mile buffer
	VA-0231	Virginia	Giles		Unknown	Suitability Unknown	Suitability Unknown	904.62062		45	AR	Other side of hill down the ridge.		No	N/A	outside of 0.5-mile buffer
	WV-0064	West Virginia	Monroe		Unknown	Suitability Unknown	Suitability Unknown	895.328692		20	ROW	Upgradient a couple draws easterly		No	N/A	no impact based on outside of 0.5-mile buffer upgradient not suitable based on cave length
	VA-0138	Virginia	Montgomery		Unknown	Suitability Unknown	Suitability Unknown	888.6771		272	ROW	Surface - downgradient of route subsurface - upgradient of route		No	N/A	outside of 0.5-mile buffer
	VA-0149	Virginia	Montgomery		Unknown	Suitability Unknown	Suitability Unknown	53.527479		250	ROW	Sideways toward west hill across road		No	N/A	no impact based on outside of 0.5-mile buffer not suitable based on entrance and likely flood
	VA-0235	Virginia	Giles		Unknown	Suitability Unknown	Suitability Unknown	868.735932		0	ROW	On other side of hill		No	N/A	no impact based on outside of 0.5-mile buffer not suitable based on length

	VA-0214	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	862.941664		25	Both	Upradiant		No	N/A	no impact based on outside of 0.5-mile buffer upgradient not suitable based on cave length
	VA-0137	Virginia	Montgomery		Unknown	Suitability Unknown	Suitability Unknown	165.005676		5400	ROW	Downgradient		No	N/A	no impact based on outside of 0.5-mile buffered trend away not suitable based on flooding
	VA-0210	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	843.539132		14320	ROW	Upradiant of route		No	N/A	no impact based on outside of 0.5-mile buffer upgradient and trend away not suitable based on flooding and no less
	VA-0246	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	841.299638		400	ROW	Downgradient		No	N/A	no impact based on outside 0.5-mile buffer not suitable based on fill
	VA-0169	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	777.032433		40	ROW	Upradiant		No	N/A	no impact based on outside of 0.5-mile buffer upgradient not suitable based on cave length
	VA-0230	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	815.055172		40	AR	Other side of hill down the ridge.		No	N/A	no impact based on outside of 0.5-mile buffer topography not suitable based on length
	VA-0218	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	757.734912		0	ROW	Upradiant		No	N/A	not suitable based on cave length and surface pit
	VA-0145	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	716.328452		55	ROW	Upradiant		No	N/A	not suitable based on surface pit
	VA-0182	Virginia	Montgomery		Unknown	Suitability Unknown	Suitability Unknown	658.822763		15	ROW	Across ridges creekbed road and up next hillside. Upradiant.		No	N/A	not suitable based on cave length
	VA-0234	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	638.908784		12	ROW	On other side of hill.		No	N/A	not suitable based on cave length
	VA-0146	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	595.05704		8	ROW	Upradiant		No	N/A	not suitable based on entrance and cave length
	VA-0158	Virginia	Montgomery		Unknown	Suitability Unknown	Suitability Unknown	557.094597		50	AR	Sideways a couple ridges and draws from AR.		No	N/A	not suitable based on entrance
	VA-0225	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	600.942355		15	ROW	Sideways across a small saddle on west ridge.		No	N/A	not suitable based on cave length
	VA-0220	Virginia	Montgomery		Unknown	Suitability Unknown	Suitability Unknown	585.843779		20	AR	Location uncertain		No	N/A	not suitable based on cave length
	VA-0215	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	559.356066		92	Both	Upradiant		No	N/A	no impact based on upgradient not suitable based on surface and no airflow
	VA-0216	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	552.095319		135	Both	Upradiant		No	N/A	no impact based on upgradient not suitable based on surface and no airflow
	VA-0209	Virginia	Montgomery		Unknown	Suitability Unknown	Suitability Unknown	532.845013		60	ROW	On opposite hill across low saddle		No	N/A	not suitable based on surface pit and now airflow
	VA-0219	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	480.671227		650	Both	Upradiant		No	N/A	no impact based on upgradient not suitable based on flooding
	VA-0135	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	405.734535		9343	ROW	Upradiant		No	N/A	no impact based on upgradient and trends away not suitable based on flooding
	WV-0056	West Virginia	Monroe		Unknown	Suitability Unknown	Suitability Unknown	452.914763		5607	ROW	Downgradient of route		No	N/A	no impact based on distance to end of cave not suitable based on flooding
	VA-0232	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	439.889174		0	ROW	Across a draw and upgradient.		No	N/A	not suitable based on entrance and cave length
	VA-0221	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	348.989912		25	ROW	Upradiant		No	N/A	not suitable based on cave length
	VA-0242	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	303.734399		87	ROW	Upradiant across creek over a hill. toward		No	N/A	not suitable based on flooding
	WV-0057	West Virginia	Monroe		Unknown	Suitability Unknown	Suitability Unknown	321.028081		15	ROW	Sideways from route location uncertain		No	N/A	not suitable based on cave length
	VA-0227	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	280.520918		72	ROW	Upradiant across creek on a hill.		No	N/A	not suitable based on entrance and collapse
	VA-0222	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	294.850796		35	ROW	Upradiant		No	N/A	not suitable based on cave length
	WV-0067	West Virginia	Monroe		Unknown	Suitability Unknown	Suitability Unknown	251.973425		20	Both	Upradiant from route.		No	N/A	not suitable based on cave length
	VA-0228	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	251.318153		20	AR	On hillside opposite AR		No	N/A	not suitable based on cave length
	VA-0213	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	190.551463		100	AR	Sideways from AR / public road		No	N/A	not suitable based on surface pit
	VA-0153	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	190.415536		0	AR	Sideways from route		No	N/A	not suitable filled
	VA-0253	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	138.60632		40	ROW	Upradiant of route.		No	N/A	not suitable based on cave length
	VA-0144	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	139.340206		15	ROW	Marginally downgradient and across road from route. In sinkhole.		No	N/A	not suitable based on cave length
	VA-0157	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	102.30578		72	ROW	Sideways from route.		No	N/A	not suitable based on cave length and no air flow
	VA-0143	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	79.887028		75	ROW	Sideways from route		No	N/A	not suitable based on surface pit
	VA-0132	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	61.037677		0	ROW	Uphill from ROW.		No	N/A	no impact based topography upgradient not suitable base on entrance and cave length
	VA-0164	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	1.157496		535	AR	On hill above AR		No	N/A	no impact based on upgradient and trend away not suitable based on entrance size and collapse
	VA-0154	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	31.463224		0	ROW	Sideways from route in powerline clearing Downgradient but not in draw		No	N/A	not suitable based on cave length
	VA-0162	Virginia	G les		Unknown	Suitability Unknown	Suitability Unknown	22.25776		0	ROW			No	N/A	not suitable based on cave length