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**To:** [Lennon, Tiernan](#)  
**Cc:** [Jennifer Stanhope](#); [Sumalee Hoskin](#); [Taina Pankiewicz](#)  
**Subject:** MVP Potentially Suitable Features  
**Date:** Thursday, October 19, 2017 7:57:06 AM  
**Attachments:** [MVP Potential Hib Near Project for Hybrid Intersect Mileposts 20171018.](#)

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Tiernan,

I am providing the following information plus the attached spreadsheets based on the information you requested by phone yesterday. Please review and let me know if you need anything else, and also if you would like to meet to discuss the information.

Total # of potentially suitable features within 5 miles (field and desktop review).

Initially, during project field and desktop review 129 features were identified. Of these, 52 were assessed in the field. Of those, 24 were deemed suitable, and 13 were sampled, one of which captured an NLEB. The unassessed portals + assessed suitable but surveyed portals + portal with a NLEB rolled into the BA. Within the BA 133 features are used for estimating take. Since the BA was submitted MVP found an additional portal (reported in September) bringing the total to **134**. This is based upon:

129 total features - 28 unsuitable features - 12 sampled features with no captures = 89 unknown suitability OR suitable but unsurveyed OR known occupied features.

89 + 44 additional features identified via additional desktop sources and coordination with resource agencies = 133 total potentially suitable portals identified within 5 miles of the project within the BA  
133 + portal discovered in September (MVP-NI-151.02) = 134 total potentially suitable portals identified within 5 miles of the project

WV: 15

VA: 119

Total # of features within action area = **109**

WV: 39

VA: 70

Total potentially suitable features within action area included in BA = 64 in BA + portal discovered in September (MVP-NI-151.02) = **65**

WV: 6

VA: 59

Total # of features surveyed – # of features determined unoccupied and unsuitable

ESI field assessed 52 portals

ESI surveyed 13 portals: 12 of these had no captures (7 in WV, 5 in VA), 1 portal with NLEB capture in WV.

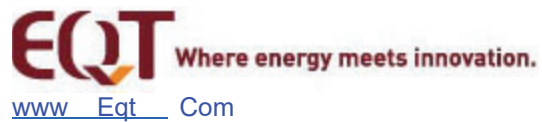
Acreage of tree removal associated with remaining features that were not unsuitable or were not surveyed: This is difficult to quantify on a per portal basis due to the massive overlap of the buffers. Please let me know how you would like to see this information.

Remaining information to be provided later today:

1. Acreages broken down by state for the total acreage of tree removal within the 5-mile buffers of the 124 features = 970.6 acres.
2. Echols Cave information
3. Acreage broken down by state for the tree clearing outside of buffers in spring and autumn = 1, 263.6 acres.

Megan

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	West Virginia	Virginia	Total
Features within 5 Miles	15	119	134
Features Assessed for Suitability	35	17	52
Suitable Features	13	12	25
Suitable Features Surveyed (by ESI)	8	5	13
Suitable Features Surveyed (by ESI) included in BA	1	0	1
Suitable Features with known/assumed occurrence in BA	2	6	8
Suitable Feature Not included in BA	1		1
Unknown Suitability Features included in BA	11	113	124
Features within 0.25 miles (NLEB)	4	15	19
Features in AA, identified, assessed, not in BA	33	11	44
Features in AA *and* included in BA	6	59	65
Total features within 0.6 miles (Action Area)	39	70	109