

From: [Stahl, Megan D.](#)
To: [Lennon, Tiernan](#)
Cc: [Taina Pankiewicz](#)
Subject: RE: MVP Tree Clearing Acreages
Date: Thursday, November 9, 2017 3:06:57 PM

Tiernan,

The numbers you requested are included below. Numbers that changed are underlined and shown in red font.

Negative mist net survey areas:

Approximately 484.4 acres in VA and 764.2 acres in WV (94.26 miles of construction ROW and access roads in total) proposed for clearing are classified as suitable unoccupied summer habitat.

Unsurveyed:

Approximately 97.56 miles of construction ROW (4.92 in VA and in 92.63 WV) and 56.41 miles of access roads (1.10 in VA and 55.31 miles in WV), a combined total of 1,886.49 acres (78.6 in VA and 1,807.9 in WV), will be cleared within unknown use summer habitat.

Let me know if you need anything else.

Megan

From: Lennon, Tiernan [mailto:tiernan_lennon@fws.gov]
Sent: Thursday, November 09, 2017 9:16 AM
To: Stahl, Megan D. <MStahl@eqt.com>
Subject: Re: MVP Tree Clearing Acreages

Hey Megan - Are these statements still true given the new info in the chart?

Approximately 484.4 acres in VA and 764.2 acres in WV (276.9 miles in total) proposed for clearing are classified as suitable unoccupied summer habitat.

Approximately 96.8 miles of construction ROW (19.8 in VA and in 77.0 WV) and 78.2 miles of access roads (13.7 in VA and 64.5 miles in WV), a combined total of 1,886.49 acres (78.6 in VA and 1,807.9 in WV), will be cleared within unknown use summer habitat.

On Wed, Nov 8, 2017 at 5:48 PM, Stahl, Megan D. <MStahl@eqt.com> wrote:

Tiernan,

The following updates have been made to the table (attached):

1. Known use summer habitat: The slight difference (227.8 ac in BA versus 228.37 in chart) is due to a review of updated aerial imagery that provided more accurate information; however for consistency I changed the number to match the BA.

2. Known use spring staging/fall swarming habitat: This now includes Tawney's and Greenville Saltpeter Caves and the numbers match the BA (as you indicated below). This changed the unknown use spring staging/fall swarming habitat numbers accordingly.

3. I confirmed that removing the buffer from Lost Arrow Cave did not affect the tree clearing acreages due to overlap from other buffers.

4. I added the totals for the Appalachian Mountain RU (which are the totals for all other categories above).

Please let me know if you need anything else.

Megan

From: Lennon, Tiernan [mailto:tiernan_lennon@fws.gov]

Sent: Wednesday, November 08, 2017 4:00 PM

To: Stahl, Megan D. <MStahl@eqt.com>

Cc: Taina Pankiewicz <TPankiewicz@envsi.com>

Subject: Re: MVP Tree Clearing Acreages

Quick question, the BA states that 171.3 acres in WV and 138.8 acres in VA will be removed within 5 miles of a known Ibat hibernacula. This doesn't match up with the numbers provided in your chart. Can you help me understand why the numbers are different? Same goes for the Wetzel County buffer, the BA states that 227.8 acres will be removed within the 5-mile buffer.

Thanks!

On Wed, Nov 8, 2017 at 3:39 PM, Stahl, Megan D. <MStahl@eqt.com> wrote:

Tiernan,

Here are the tree clearing acreages you requested by habitat category.

As we discussed, I am looking at the one portal that FWS determined is not suitable (Unnamed (Lost Arrow Cave aka Hancocks)) and am also filling in the Appalachian Mountain RU numbers. I should have those shortly and will send an updated table.

Megan

Megan Stahl
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Our office is working on Administration priority projects and we anticipate increased project review times (≥ 60 days) and response times to phone calls and emails. Please be patient; we will address project reviews and messages as soon as we are able to.

To learn about EQT's sustainability efforts visit: <https://csr.eqt.com>

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Habitat Category	VA (acres)	WV (acres)	Total (acres)	Tree Removal Window
Suitable unoccupied summer habitat	484.35	764.23	1,248.58	Winter/Spring/Autumn
Known use summer habitat	0	227.8	227.8	Winter
Unknown use summer habitat	78.64	1,807.86	1,886.49	Winter/Spring/Autumn
Unknown use spring staging/fall swarming habitat	526.24	279.11	805.35	Winter/Spring/Autumn
Known use spring staging/fall swarming habitat	138.8	171.3	310.1	Winter
Appalachian Mountain RU	138.8	399.10	537.9	Winter
	1,089.23	2,851.20	3,940.43	Winter/Spring/Autumn

Definitions:

Suitable unoccupied summer habitat is defined as forested/wooded habitats in an Ibat Recovery Unit in which survey results per the level of effort outlined in the Range-wide Indiana bat Summer Survey Guidelines suggest probable absence during the summer months.

Known use summer habitat is defined as areas within a 5-mile radius (home range) of a pregnant female or juvenile capture or within 2.5 miles of a known roost tree.

Unknown use summer habitat is defined as areas within a 5-mile radius of potentially suitable summer habitat that have not been surveyed.

Unknown use spring staging/fall swarming habitat is defined as areas within a 5-mile radius of a potentially suitable hibernaculum that have not been surveyed.

Known use spring staging/fall swarming habitat is defined as areas within a 5-mile radius of priority 3 and 4 hibernacula or a 10-mile radius of priority 1 and 2 hibernacula.