

**Table 1: Isolated Land Subject to Flooding (ILSF) Qualification Calculations
Montague Road Project
December 9, 2021**

Wetland ID	Wetland Area (Square Feet)	Observed Maximum Depth (Inches)	Volume Based on Maximum Depth (Acre-Feet)
W-GR-16	4,764	18	0.16
W-GR-17	12,086	6	0.14
W-MBF-15	2,023	24	0.09

Notes:

1. TRC observed wetlands during multiple field visits. W-MBF-15 was observed between mid-March through mid June of 2020, the period when maximum flooding is typically observed. W-GR-16 and W-GR-17 were observed outside of this period, but calculations were made based on leaf staining and existing topography.
2. While no flooding or leaf staining was observed within W-GR-17, TRC has conservatively assumed a water depth of 6 inches for this calculation.
3. Leaf staining was observed within a portion of W-GR-16, indicating that at least a portion of this wetland floods seasonally. However, this wetland has little topographic change. A depth of 18 inches was conservatively assumed for this calculation.
4. Volumes were conservatively calculated based on the maximum observed depth for each wetland rather than the average observed depth.
5. While the isolated wetlands at the site meet the minimum water depth requirement, based on the above calculations none of the isolated wetlands at the site hold large enough volumes of water to qualify as ILSF under 310 CMR 10.57(2)(b)1: a minimum average water depth of 6 inches *and* a minimum water volume of 1/4 acre-feet.
Therefore, no ILSF is present at the site.