

**Table 1: Isolated Land Subject to Flooding (ILSF) Qualification Calculations  
Montague Road Project  
Updated June 9, 2022**

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	12	0.28
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 in April and May 2022 during maximum seasonal flooding is typically observed.
2. Leaf staining was observed within a portion of W-GR-16, indicating that at least a portion of this wetland floods seasonally. A depth of 18 inches was conservatively assumed for this calculation in the December 2021 ANRAD filing. More recent site observations in April and May 2022 indicate that flooding is actually between 10 and 12 inches in depth. **The original, more conservative assumption has been retained.**
3. Volumes were conservatively calculated based on the maximum observed depth for each wetland rather than the average observed depth.
4. While the isolated wetlands at the site meet the minimum water depth requirement, based on the above calculations **only W-GR-17 holds a large enough volume 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, W-GR-16 and W-MBF-15 do not qualify as ILSF.**