



**Caron Environmental Consulting**  
**978-874-5469**  
**Wetlands • Forestry • Permitting • Habitat Studies**

July 16, 2007

Mr. Mark Donohoe  
Acton Survey and Engineering  
P.O. Box 660  
Acton, MA 01720

Re: Wetland Delineation  
Spring Hill Road/Acton

Dear Mr. Donohoe:

As requested, we have delineated the wetlands on the above-referenced site. The delineation was conducted on June 6, 2007, and was based on observations of the plant communities and soil conditions.

The edge of a bordering vegetated wetland was delineated with blue flagging numbered 1 to 32 and 100 to 121. The wetlands contains intermittent stream channels and a man-made pond. The wetlands on the site are forested. Most of the uplands are also forested, however, some areas are lawn.

The most abundant species on the site that are primarily restricted to the wetlands include winterberry, jewelweed, skunk cabbage, false hellebore and sphagnum moss. The most abundant species that occur primarily in the uplands include black oak, black birch, barberry, American hazelnut, bittersweet, Japanese knotweed, partridgeberry, hay-scented fern and marginal woodfern. A large number of species that are abundant on the site were found in both the wetlands and uplands. These species include white pine, red maple, yellow birch, American elm, green ash, sweet pepperbush, highbush cranberry, European buckthorn, cinnamon fern, New York fern, Jack-in-the-pulpit, sensitive fern and poison ivy.

The soils in the wetlands typically consist of an 8" to 12" deep organic horizon underlain by rock. The organic soil has a color of 10 YR 2/1. The soils in the surrounding uplands are highly variable. In many areas the soils have a 4" deep Ap-horizon with the colors ranging 10 YR 2/2 to 3/2, underlain by a Bw-horizon to a depth of at least 16". The Bw-horizon has colors of 10 YR 5/4 to 5/6. The soils exhibited spodic conditions in some upland locations. These soils have a thin E-horizon underlain by Bs, Bh, and B-horizons with differing thickness and color.

The 12<sup>th</sup> Edition of the Natural Heritage Atlas does not indicate any Estimated or Priority Habitats or Certified Vernal Pools on or adjacent to the site.

If you should have any questions in regards to this matter, please feel free to contact me.

Very truly yours,

Charles E. Caron

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