

# SOUTH RIVER ENVIRONMENTAL

61 Meetinghouse Lane, Marshfield, MA 02050 Phone: 978-697-0854

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To: Morse Engineering, Inc.  
From: John Zimmer  
Date: July 30, 2026  
Re: **Wetland Delineation Report – 33 Gardner Street – Hingham, MA**

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On August 22, 2024, a site investigation was conducted at 33 Gardner Street in Hingham, MA to identify whether the property contains or is located within 100 feet of wetland resource areas subject to the protection under the Massachusetts Wetlands Protection Act or the Town of Hingham Wetlands Protection Bylaw.

## **Existing Conditions**

The property is currently in residential use and abuts Gardner Street to the south. Residential development and upland / wetland forest abut the property to the east, west and north. There are an existing residence and associated lawn and driveway located in the south-central portion of the property. There is a swimming pool located to the rear (north) of the residence.

Upland vegetation within the property includes Norway maple (*Acer platanoides*), white pine (*Pinus strobus*), black cherry (*Prunus serotina*) in the overstory with honeysuckle (*Lonicera* sp.), English ivy (*Hedera helix*), Asiatic bittersweet (*Celastrus orbiculata*), Japanese barberry (*Berberis thunbergii*), multiflora rose (*Rosa multiflora*) and fox grape (*Vitis labrusca*) in the understory. Soils within the upland portions of the property are classified as Warwick fine sandy loam with 3 to 8 percent slopes. Soil examination via hand auger at several locations directly north and south of the residence documented conditions consistent with this classification.

There is a bordering vegetated wetland located within the western and northern portions of the property that consists of a palustrine forested system. The boundary of the wetland was delineated in the field using pink survey flagging labeled WF-1 through WF-15. Wetland indicator species dominant within the area include red maple (*Acer rubrum*), American elm (*Ulmus americana*), Northern arrowwood (*Viburnum dentatum*), highbush blueberry (*Vaccinium corymbosum*), sweet pepperbush (*Clethra alnifolia*), cinnamon fern (*Osmunda cinnamomea*), and skunk cabbage (*Symplocarpus foetidus*). Soils within the wetland area are classified as Freetown muck with 0 to 1 percent slopes. Soil examination via hand auger at several locations within the wetland documented conditions consistent with this classification with a deep organic horizon, redoximorphic features and a shallow depth to groundwater (0 to 4 inches). There were areas of standing water present within the interior of the wetland.

The delineated BVW is subject to protection under both the MA Wetlands Protection Act and the Town of Hingham Wetlands Protection Bylaw and has an associated 100-foot buffer zone. Any proposed activities within the wetland or buffer zone are subject to review by the Hingham Conservation Commission. Should you have any questions regarding this report, please do not hesitate to contact me at 978-697-0854.

Sincerely,  
**South River Environmental**



John Zimmer  
Wetland Scientist