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Narragansett Bay Watershed SCP Gardiner Pond (R0007035L-01) Middletown, RI

Subwatershed Summary

- The subwatershed is located in Middletown, RI.
- The subwatershed is 268 acres and 3% impervious.
- The general land uses within the subwatershed are low- and medium-density residential, commercial, pasture, cropland, deciduous and mixed forest and wetlands.
- The subwatershed contains no RIDOT Roadways or "Other RIDOT Roadways" and therefore no SCP was prepared.

Site Description

Gardiner Pond (RI0007035L-01) is located within the Narragansett Bay Watershed (Figure 1-A). Sachuest Point Road is located just south of the southern border of the subwatershed. It is bordered to the west by Nelson Pond (RI0007035L-02). The northern end of the subwatershed ends approximately at Green End Ave. The pond is located at the southern end of the subwatershed.

The Rhode Island Department of Environmental Management (RIDEM) water quality classification for Gardiner Pond is Class AA. Class AA waters are designated as a source of public drinking water supply (PDWS) or as tributary waters within a public drinking water supply watershed, for primary and secondary contact recreational activities, and for fish and wildlife habitat. According to RIDEM's Clean Water Act (CWA) Integrated List of Waterbodies – Appendix A 2016 Index of Waterbodies and Category Listing,¹ the impairments affecting this waterbody segment are total phosphorus and total organic carbon (TOC). RIDEM has classified Gardiner Pond as a Category 5 waterbody that is not supporting of fish and wildlife habitat or use as a public drinking water supply. The waterbody is fully supporting primary and secondary contact recreation and is unassessed for fish consumption. A TMDL is under development for the phosphorus and TOC impairments and scheduled to be adopted in 2019.

According to 2011 land use data obtained from the Rhode Island Geographic Information System (RIGIS),² the general land uses within the Gardiner Pond subwatershed are low- and medium-density

¹ RIDEM, March 2018, 2016 Integrated Water Quality Monitoring and Assessment List – Appendix A 2016 Index of Waterbodies and Category Listing. Available at: <http://dem.ri.gov/programs/benviron/water/quality/surfwg/pdfs/iwr16.pdf>

² Rhode Island Department of Environmental Management, Rhode Island Department of Administration, Statewide Planning Program, Photo Science, Inc. www.rigis.org

residential, pasture, cropland, deciduous and mixed forest, and wetlands. RIDEM data indicates the subwatershed is approximately 268 acres with 3% impervious cover.

The Gardiner Pond subwatershed (R0007035L-01) has less than 10% impervious cover and does not contain any RIDOT Roadways or "Other RIDOT Roadways"; therefore an SCP is not required for Gardiner Pond.