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Narragansett Bay Watershed SCP Nonquit Pond (RI0007035L-08) Tiverton, RI

Subwatershed Summary

- The subwatershed is located in Tiverton and Little Compton.
- The subwatershed is 4,442 acres and 4% impervious.
- The general land uses within the subwatershed are deciduous and mixed forest and pasture land.
- RIDOT maintained property is 30.8 acres and 19.4 impervious acres.

Site Description

Nonquit Pond (RI0007035L-08) is located within the Narragansett Bay Watershed. The majority of the subwatershed is located in Tiverton. The main inflow to Nonquit Pond is from Borden Brook, which flows south from the northern part of the subwatershed just south of Route 177 (Bulgarmarsh Road). Borden Brook flows through the forested Weetamoo Woods & Pardon Gray Reserve for most of its length until it reaches Route 179 (East Road). It then passes under Route 77 (Main Road), where it receives stormwater runoff from a pair of outfalls, before discharging to Nonquit Pond. The majority of the subwatershed consists of forest and pasture, with the exception of the small residential and commercial areas at the north of the subwatershed (Route 177) and the bottom (intersection of Routes 179 and 77). RIDOT maintained property in the subwatershed is 30.8 acres; 19.4 acres of which is impervious.

The Rhode Island Department of Environmental Management (RIDEM) water quality classification for the Nonquit 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 Nonquit Pond as a Category 5 waterbody that is not supporting fish and wildlife habitat or public drinking water supply. The waterbody is fully supporting primary and secondary contact recreation, and is not assessed for fish consumption. A TMDL is under development for the phosphorus and TOC impairments and scheduled to be adopted in 2019.

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/surfqwq/pdfs/iwr16.pdf>

According to 2011 land use data obtained from the Rhode Island Geographic Information System (RIGIS),² the general land uses within the Nonquit Pond subwatershed are deciduous and mixed forest and pasture land. RIDEM data indicates the subwatershed is approximately 4,442 acres, 4% of which are impervious.

The Nonquit Pond subwatershed (RI0007035L-08) has less than 10% impervious cover therefore, preparation of an SCP is not required for Nonquit Pond.

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