

as well as macroinvertebrate community analysis (see below). Water column sampling found elevated coliform values, but no other parameters of concern in the water column. Sediments were found to contain slightly elevated levels of cadmium, but no other metals or organic compounds in concentrations above levels of concern. No toxicity was found to occur in tests conducted on 3 different water samples, and no organic compounds or metals were found above levels of concern in invertebrate tissues. (DEC/DOW, BWAR/RIBS, April 2003)

Biological (macroinvertebrate) assessments of Oriskany Creek at multiple sites were conducted in 2000 and 2001 as part of the RIBS effort. Sampling results indicated slightly impacted water quality conditions at the Oriskany RIBS site in 2001, the result of nonpoint nutrient enrichment. Assessments of Oriskany Creek at upstream locations were also conducted in 2000, as part of the RIBS Screening Network. Sampling results indicated non-impacted water quality conditions at Oriskany Falls, and slightly impacted conditions at Colemans Mills. In spite of some/these minor impacts, aquatic life is considered to be fully supported in the stream. (DEC/DOW, BWAR/SBU, April 2003)

The 2000-2001 biomonitoring results are consistent with conditions reported in a 1990 biological survey of Oriskany Creek. This survey found non to slightly impacted water quality along the reach from the mouth to Oriskany Falls and no significant water quality problems were indicated. (Oriskany Creek Biological Assessment Report, Bode et al., DEC/DOW, BWAR/SBU, December 1990)

Source Assessment

During high flow events (e.g., rain storms, snowmelt) the Clark Mill Sewer District collection system experiences sanitary sewer overflows as well as hydrologic limitations at the treatment plant. The Clark Mills WWTP has a design flow of 0.2 mgd, however during severe wet weather, excessive infiltration and inflow into the system results in flows as high as 1.0 mgd into the plant. These high flows can result in inadequate treatment and/or discharges of raw wastewater to the receiving stream. The Town of Kirkland has developed a Flow Management Plan and Growth Management Plan schedules for the Clark Mills WWTP that were approved by DEC Region 6. (Stearns & Wheeler Engineering Report, November 2008 and DEC/DOW/Region 6, March 2009)

Segment Description

This segment includes the portion of the stream and selected/smaller tribs from the mouth to unnamed trib -15 near Clarks Mills. The waters of this portion of the stream, are Class B(T). Tribs to this reach/segment are Class C,C(T). Deans Creek (-10) is listed separately.