

New Berlin (Greenridge), Waukesha County
Root River Drainage Basin

The effluent from the New Berlin Wastewater Treatment Plant (Section 13, T6N, R20E) discharges to the Greenridge Tributary, which has 70₁₀ of 0 cfs. The Greenridge Tributary, a small gravel bottomed stream, originates in Section 13, New Berlin Township, and flows generally southeast through a residential area for approximately two miles before joining the Root River. The land adjacent to the stream is densely wooded.

The treatment plant outfall is located approximately 1.75 miles above the confluence with the Root River. Typically during periods of dry weather there is no flow upstream of the outfall.

An electrofishing survey conducted by Department of Natural Resources personnel in September, 1975, near 124th Street bridge in Greenridge Creek, collected only Creek Chubs. A qualitative benthic sampling of a riffle area in the creek, near Plainfield Avenue below the treatment plant outfall, revealed one intolerant plecopteran, Isoperla; six tolerant genera, the caddis fly Cheumatopsyche dominant; and four very tolerant genera. The rocks were covered with diatomaceous slime and branching green algal growths.

Greenridge Tributary has a limited recreational value, however, the stream is enjoyed by neighborhood children as a playground.

Recommendations

Greenridge Tributary above the treatment plant, shall be classified as a noncontinuous diffuse surface water. The reach from the treatment plant discharge to the confluence with the Root River, shall be classified as a noncontinuous, intermediate aquatic life stream. The Root River shall be classified as a continuous fish and aquatic life stream.

Region <u>SE2</u>	County <u>Waukesha</u>	Report Date <u>9/1975</u>	Classification _____
Water Body: <u>Root River - Greenridge Trib</u>			
Discharger: <u>New Berlin POTW</u>			

If stream is classified as Limited Forage Fish (LFF) or Limited Aquatic Life (LAL), check any of the following Use Attainability Analysis factors that are identified in the classification report:

- _____ Naturally occurring pollutant concentrations prevent the attainment of use
- _____ Natural, ephemeral, intermittent or low flow conditions or water levels prevent the attainment of the use, unless these conditions may be compensated for by the discharge of sufficient volume of effluent discharges without violating State water conservation requirements to enable uses to be met
- _____ Human caused conditions or sources of pollution prevent the attainment of the use and cannot be remedied or would cause more environmental damage to correct than to leave in place
- _____ Dams, diversions or other types of hydrologic modifications preclude the attainment of the use, and it is not feasible to restore the water body to its original condition or operate such modification in a way that would result in the attainment of the use
- _____ Physical conditions related to the natural features of the water body, such as the lack of a proper substrate, cover, flow, depth, pools, riffles, and the like, unrelated to water quality, preclude attainment of aquatic life protection uses
- _____ Controls more stringent than those required by sections 301(b) and 306 of the Act would result in substantial and widespread economic and social impact

Supporting Evidence in the report (include comments on how complete/thorough data is)

- _____ Biological Data (fish/invert) _____
- _____ Chemical Data (temp, D.O., etc.) _____
- _____ Physical Data (flow, depth, etc.) _____
- _____ Habitat Description _____
- _____ Site Description/Map _____
- _____ Other: _____

Historical Reports in file:

Additional Comments/How to improve report:

Date 6/12/2000

Facility Name NEW BERLIN POTW

Receiving Water GREENRIDGE TRIBUTARY TO THE ROOT RIVER

Evaluated by Will Wawrzyn

This stream classification is not included in the revised code because (select one):

The discharger is no longer at this location.

A new classification has resulted in a full fish and aquatic life designation.

New survey date _____ Please provide copy of new classification report.

This receiving water should be added to the database and to the code. Specify information, as it should be included in code.

Other (please explain)

POTW HAS BEEN FORMALLY ABANDONED.

Greenridge

Holy Apostles Sch

NEW BERLIN

Diffuse Surface Water STP

Non Continuous Intermediate

Continuous Fish & Aquatic Life

GREENFIELD

Whitnall High Sch

Elmwood Sch

Radio Towers (WEMP)

St Marys Sch

Upper Kelly Lake

HALES CORNERS

Sewage Disposal

