

Region SCR County Sauk Date 6-27-79 Classification FAL

Water Body: Hillpoint Creek

Discharger: Hillpoint STP

If classified as Limited Forage Fish (LFF) or Limited Aquatic Life (LAL), check any of the following Use Attainability Analysis factors that apply:

☐ 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 included

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

Comments:

FAL

Hillpoint STP
Sauk County
June 27, 1979

Hillpoint Creek

Hillpoint Creek is presently being considered as a discharge site for the new Hillpoint sewage treatment plant. Hillpoint Creek has a Q₇₁₀ of .62 cfs in the NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 23, T11N, R3E.

Hillpoint Creek is a seepage fed stream originating west of Hillpoint and flowing northeast to join the headwaters of Narrows Creek. The stream has a good pool-riffle ratio with pools averaging 1 $\frac{1}{2}$ ' to 2 $\frac{1}{2}$ ' deep in the proposed discharge area. The substrate is one of rubble-gravel with some siltation occurring throughout the stream reach. The stream is buffered by crop land and pasture, some of which is wooded. Water quality is good and is impacted most by the presence of cattle, nonpoint source runoff and bank erosion.

The benthic community is both diversified and of good quality. An abundance of caddis flies are present, especially Hydropsyche spp. and Cheumatopsyche spp. along with mayflies, chironomids and a few isopods. Instream macrophytes are lacking but some growth of bottom algae was evident. The fishery consists of an abundance of forage fish along with the potential for a good population of smallmouth bass. The stream is especially suited for smallmouth bass because of the gravel-rubble substrate, water temperatures and the numerous pools which are present.

Recommendations

From the proposed discharge site and for the downstream remainder of Hillpoint Creek the classification should be continuous fish and aquatic life.

The above recommendations represent a concurrence of opinion of the stream classification team who are as follows:

George Osipoff, District Engineer
Tom Bainbridge, District Biologist
Gene Van Dyck, Area Fish Manager
Roger Schlessner, Environmental Specialist

Respectfully submitted,



Roger Schlessner
Water Quality Specialist

