

Date 10/3/00

Facility Name _____

Receiving Water Tomahawk River

Evaluated by Searle

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

The discharger is no longer at this location.

The original
~~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)

MINOCQUA, ONEIDA COUNTY

Wastewater Receiving Stream Classification

The Minocqua sewage treatment plant, which handles both Minocqua's and Woodruff's sewage, discharges to the Tomahawk River, which has a $7Q_{10}$ of ~~1.8~~ 2.6 cfs. The Tomahawk River originates from Lake Tomahawk and is fed by several other lakes in the area. The river level is controlled by the Wisconsin Valley Improvement Company's dam on Kawaguesaga Lake.



Upstream of Minocqua Discharge

The sewage treatment plant discharges to an intermittent stream which flows approximately 50 feet before joining the Tomahawk River. Above the outfall pipe, there are a series of springs that provide a limited flow. Seasonal and permanent homes are located on the banks. Agriculture is limited in the area. The river takes several sharp meanders as it travels through lowlands with wooded margins.



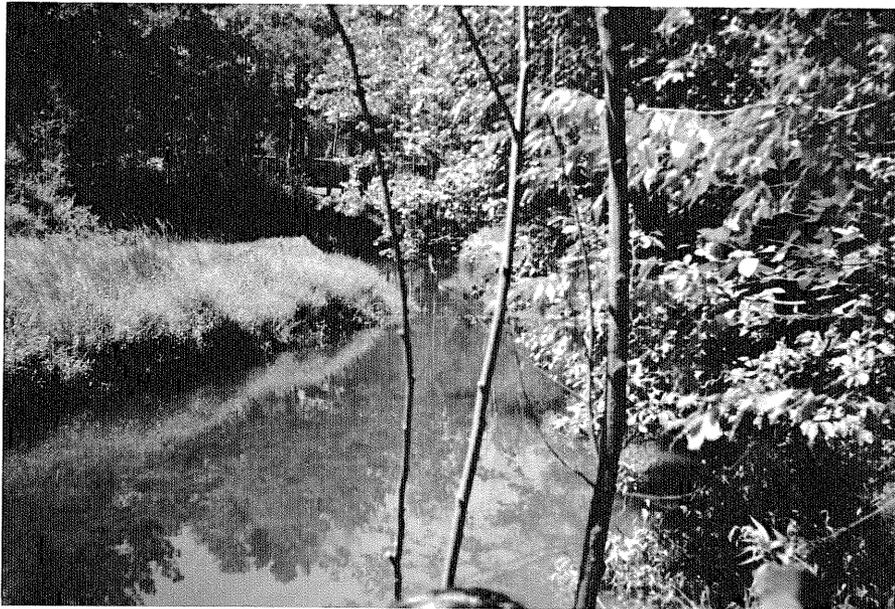
Springs Above Minocqua Outfall



Minocqua Sewage Treatment Plant Outfall



Minocqua Discharge Entering Tomahawk River



Downstream of Minocqua Discharge in Tomahawk River

The Tomahawk River is an important warm water fishery with various species of game and panfish present, including walleye, muskellunge and bass.



Downstream View from Footbridge below Discharge
Entry, Minocqua Sewage Treatment Plant

Recommendations:

The Tomahawk River shall be a continuous fish and aquatic life stream.

The stream in which the outfall pipe is presently located shall be classed as a noncontinuous stream from above the outfall to the confluence with the Tomahawk River with the subclassification limits set by the fish and aquatic life standard for the Tomahawk River.

District Survey Team: Art Ensign, Staff Specialist (Fish); Ron Yockim, Water Pollution Biologist.