

Date 6/12/2000

Facility Name Elkhorn POTW

Receiving Water JACKSON CREEK

Evaluated by WU 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.

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Other (please explain)

Facility has been abandoned. Part  
of Regional WALCO MET facility.

Jackson Cr. contains a moderately diverse  
population of warmwater sport & forage fish.

Wastewater Receiving Stream Classification

Elkhorn discharges its treated wastewater to a constructed ditch extending 3/8 of a mile to a lesser defined ditch or modified noncontinuous stream, tributary to Jackson Creek. This stream, which carries only treated wastewater, except at times of high runoff has a  $7Q_{10}$  of 0.0 cfs and a drainage area of 1.7 square miles. It then flows for 1.5 miles before it joins Jackson Creek. Jackson Creek has a  $7Q_{10}$  of 0.3 cfs, supports a panfish and forage fish population, and has a drainage area of 9.59 square miles at the State Highway 67 bridge. One-half mile below Jackson Creek flows into the headwaters of Delavan Lake.



Area upstream of Elkhorn's discharge location after heavy rainfall



Constructed effluent channel carrying Elkhorn's treated wastewater

Recommendations: The 3/8 mile channel below the present Elkhorn WWTP shall be classified as an effluent ditch. The tributary immediately below the outfall to its confluence with Jackson Creek shall be classified as a noncontinuous stream, agricultural use. Jackson Creek from the confluence with the tributary to the headwaters of Delavan Lake shall be classified as a continuous stream. The presence of a significant lake below the discharge, along with the limited length of stream available for assimilation, will disallow the application of uniform effluent limitations to this discharge. A more complete analysis must be completed to determine acceptable discharge limitations.



Jackson Creek above confluence  
with the Elkhorn tributary



Confluence of Jackson Creek  
and the Elkhorn tributary



SCALE: 1 INCH = 2000 FEET

ELKHORN

STP ⊗

JACKSON

CREEK

DELAVAN LAKE

STH 67

