

EASTMAN, CRAWFORD COUNTY

WASTEWATER RECEIVING STREAM CLASSIFICATION

Receiving stream

Alternate 1 - proposed discharge to Eastman tributary of Plum Creek.

Alternate 2 - proposed discharge to Eastman tributary to Otter Creek.

Alternate I

Headwaters of the tributary to Plum Creek is located in the middle of NW 1/4, section 19, T8N, R5W. Pattern of flow can be traced from there east southeast through sections 20, 29, and 28. Plum Creek empties into the Kickapoo River.

Stream flow at the headwaters is continuous both summer and winter. It continues as such for about 3/4 mile to 500 foot east of a north/south transmission line where flow discontinues. A number of invertebrates can be found in this stretch including caddis fly larvae and mayfly nymphs. The stream is intermittent from the above location downstream to eastern 1/4 section 29 where it becomes continuous flow. Land bordering this stretch is hilly and wooded with some cropland where the grade is acceptable.

Alternate II

The headwaters drainage area tributary to Otter Creek begins as two tributaries in the middle of N 1/2, section 18, T8N, R5W, east of Eastman. The main tributary forms from the combined flow from a small spring north of STH 179 and a pond to the west. Flow is east across section 18, 17, 16 and on into Otter Creek.

Very low flow was observed in section 18 but enough water was present to accommodate physid snails, leeches, and caddis fly larvae. Flow ceases near section line 18-17 and was dry to Otter Creek about 2.25 miles below the headwaters. At times preceding the inspection, Otter Creek at STH 179, section 9, east crossing was documented to be dry. Hills and woods occur along most of the stream with some pastures.

Recommendations:

The headwaters tributary to Plum Creek in section 19 shall be classified continuous, fish and aquatic life for 0.75 mile downstream. That portion of the stream beginning in eastern 1/4 section 19 and flowing to about 1/8 mile west of section line 29-28 shall be classified noncontinuous, intermediate aquatic life. Beyond that point Plum Creek shall be classified continuous, fish and aquatic life.

The headwaters tributary to Otter Creek in N 1/2, section 18 shall be classified continuous, intermediate aquatic life for about 1/2 mile downstream to section line 18-17. From that point downstream into Otter Creek at section line 9-10 the classification shall be noncontinuous, intermediate aquatic life. Otter Creek below section line 18-17 is classified continuous, fish and aquatic life.

Evaluation Date: April 4, 1977.

Personnel:

Terry A. Moe - Water Pollution Biologist - WCD.
Tom Woletz - Environmental Engineer - WCD.
Ken Wright - Area Fish Manager - La Crosse Area.

PRAIRIE DU CHIEN QUADRANGLE
WISCONSIN-IOWA
15 MINUTE SERIES (TOPOGRAPHIC)

VIROQUA 27 MI.
SENECA 1.7 MI.
UNITED STATES
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