

Drop delete

Region WCR County Clark Date 8-25-75 Classification LFF

Water Body: Bear Creek

Discharger: Loyal WWTP

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:

DROP DELETE - now discharges elsewhere

LOYAL, CLARK COUNTY

Wastewater Receiving Stream Classification

The Loyal WWTP discharge is to Bear Creek about 3.75 miles upstream from the confluence with Rock Creek.

Extensive agricultural land use within the Bear Creek watershed is a potential threat to good water quality. However, at CTH "K", above the WWTP, the observation of minnows on August 25, 1975, attested to the intermediate aquatic life status of Bear Creek at that site. Marsh land and vegetative protection adjacent to much of the stream probably serves to maintain fair water quality in the low gradient stream.

Dry stream conditions are known to exist above the Loyal WWTP and may persist all the way to Rock Creek under severe, dry weather circumstances. Observations at the section 5/8, east-west town road, 2 miles below the WWTP have always noted the presence of stream flow. Marsh land present near the section 5/8 town road crossing is potential northern pike spawning area during the spring of the year.



Bear Creek at CTH "K"
above WWTP - downstream
view.



Loyal - at town road above Canning Co.
looking upstream



Loyal - at E-W town road about 1.5 miles
below WWTP

Recommendations:

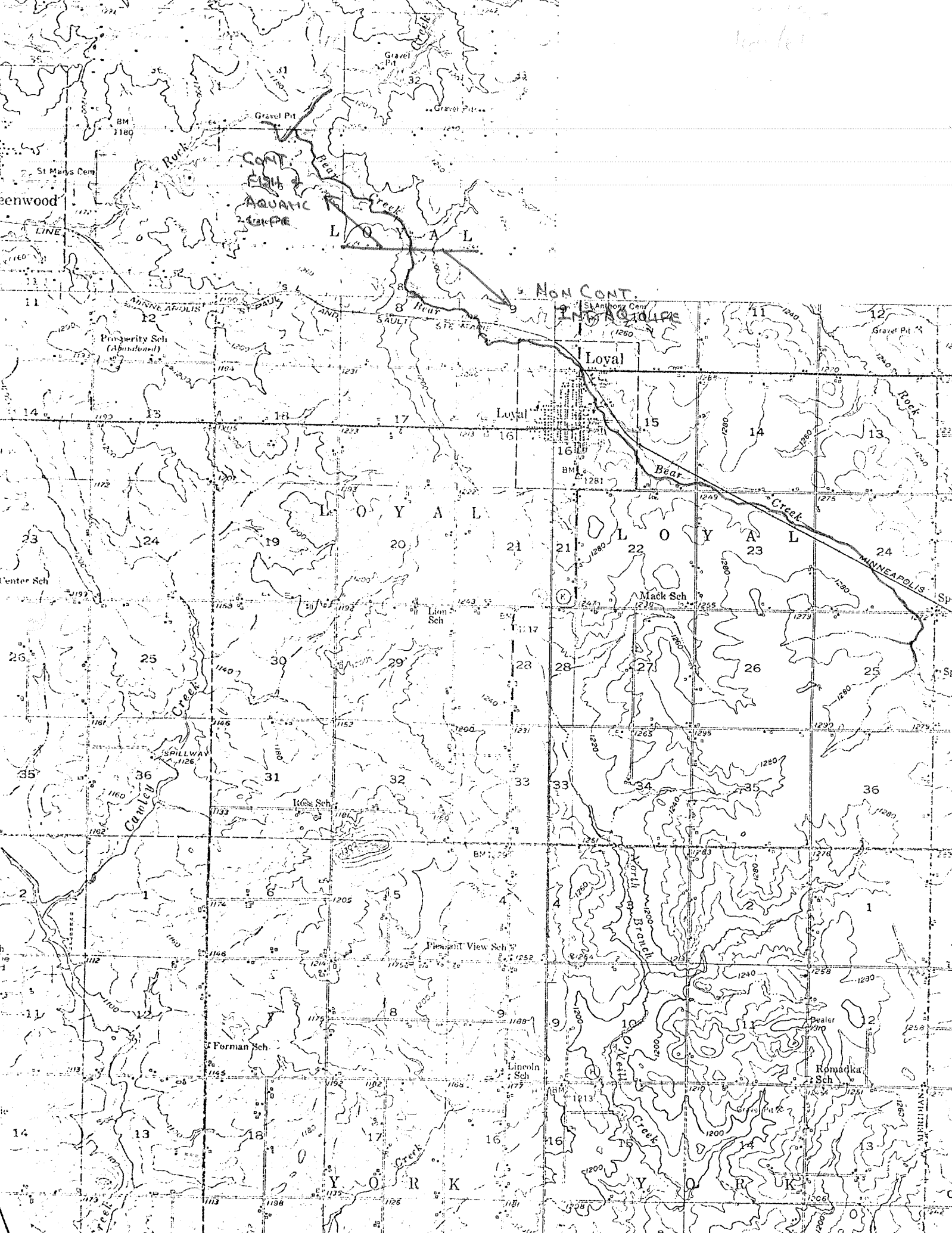
Bear Creek shall be classified as a noncontinuous intermediate aquatic life stream upstream from the east - west town road on the section 5/8 section line. From that point downstream to Rock Creek the classification shall be continuous flow, fish and aquatic life.

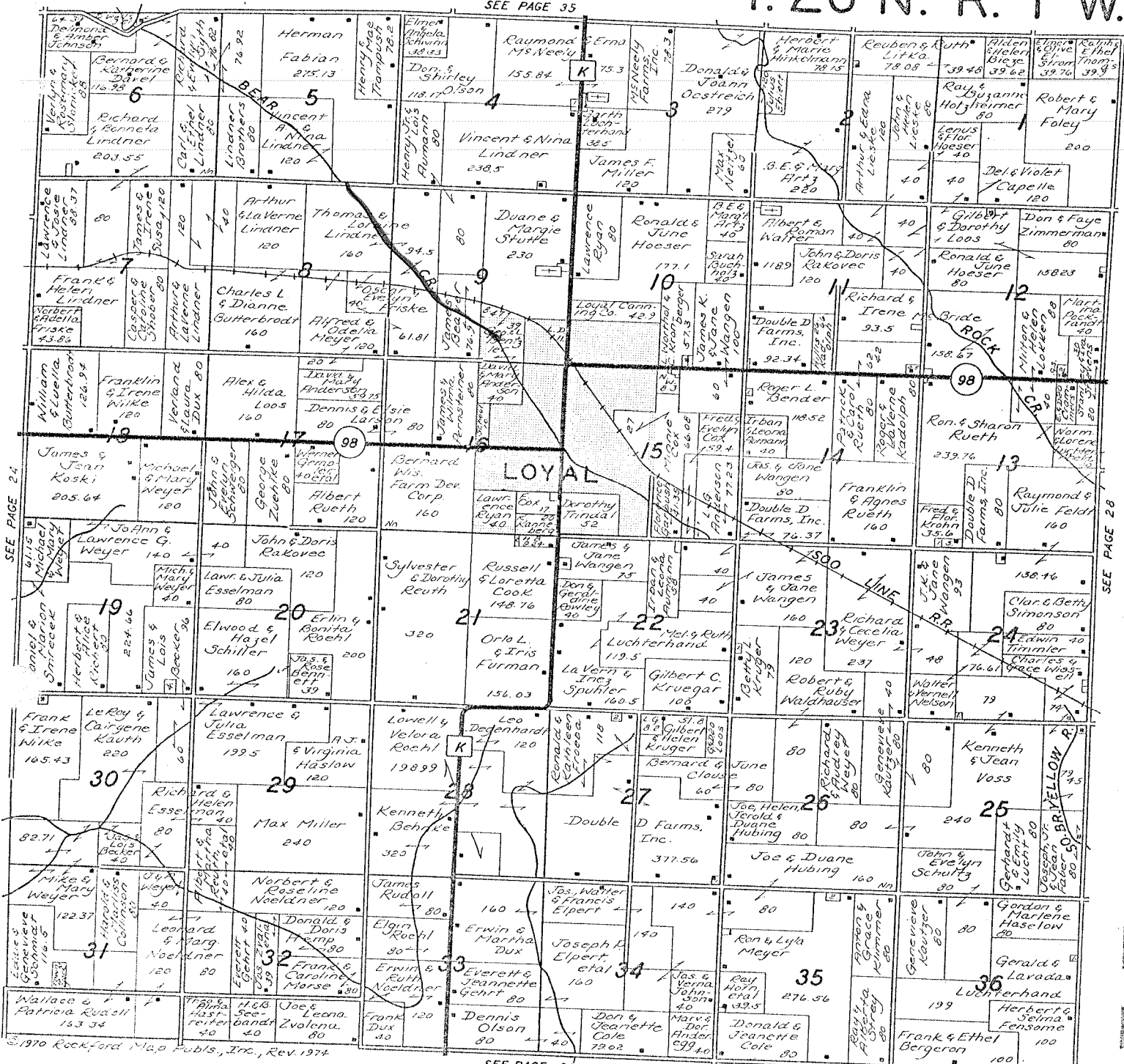
The fish and aquatic life classification of the downstream is dependent upon a continuous flow hydrologic status during the majority of any given ten-year period. Physical supporting conditions for higher fish and aquatic life are believed to exist.

Evaluation Date: August 27, 1975

Personnel:

Lewis A. Seymour - Environmental Engineer - WCD
Terry A. Moe - Water Pollution Biologist - WCD
Stuart A. Hagen - Area Fish Manager - Eau Claire Area
Ron Martin - Biologist - Water Quality Evaluation - Madison





COURTESY OF

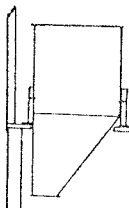
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