

Region NR County Shawano Report Date 6/1977 Classification LAL/FA
 Water Body: Pensaukee River & Trib to (LAL)
 Discharger: Krakow WWTP

If stream is classified as Limited Forage Fish (LFF) or Limited Aquatic Life (LAL), check any of the following Use Attainability Analysis factors that are identified in the classification report:

- 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 in the report (include comments on how complete/thorough data is)

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

Historical Reports in file:

6/7/1977 - James McDonald / Dennis Weisense

Additional Comments/How to improve report:

- LAL class'n b/c effluent ditch - is it really an effluent ditch -- ONLY for transporting effluent?
- report is old an data extremely minimal

DNR JUN 16 1977

Department of Natural Resources

INTRA-DEPARTMENT

MEMORANDUM

Green Bay

Station

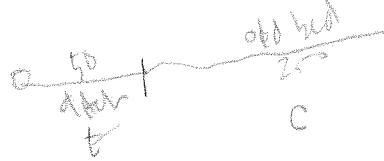
Date June 7, 1977

IN REPLY REFER TO: 3400

TO: → Central Office - Madison

FROM: James J. McDonald

SUBJECT: Stream Classification at Krakow, Wisconsin, Shawano County



Krakow Sewage Treatment Plant consists of mechanical plant which discharges to a polishing pond. Polishing pond, when it does discharge, discharges to a drainage ditch which runs approximately 50 feet; before discharge into a former stream bed that is presently filled with water. Approximately 250 feet from the confluence with the drainage ditch the old stream bed meets the present river bed of the Pensaukee River.

The following information is from low flow characteristics of "Wisconsin Streams at Sewage Treatment Plants", compiled by U.S. Geological Survey, in cooperation with the Wisconsin DNR. At location SW 1/4, NE 1/4, Sec. 24, T26N, R17E, Shawano County, at bridge on County Trunk F and 1.3 miles south of Zachow, Wisconsin (this is approximately 5-6 miles SW of Krakow). Drainage area of the Pensaukee River was calculated to be 8.05 sq. miles and Q_{710} was calculated at .02 CFS. At sampling station: NE 1/4, NE 1/4, Sec. 1, T26N, R18E, Shawano County, at State Hwy. 32 at Krakow and 6.3 miles north of Pulaski, Wisconsin. Drainage area was calculated at 41.8 sq. miles and the Q_{710} was calculated at .04 CFS.

During an inspection made on June 1, 1977, by the writer and District Biologist, fish and other aquatic life were present, both in the Pensaukee River and the former riverbed (bayou, mentioned earlier). Also on this date a small discharge was occurring from the Krakow Sewage Treatment Plant. This day was a rainy day.

Recommendations:

From the outfall pipe of the Krakow Sewage Treatment Plant and some 50 feet as the water flows to confluence with the former riverbed of the Pensaukee River, shall be classified as an effluent ditch. From its confluence with the effluent ditch and some 250 feet to confluence with the Pensaukee River, the former bed of the Pensaukee river (or bayou) shall be classified as continuous fish and aquatic. The Pensaukee River at Krakow shall also be classified as continuous fish and aquatic, even though the Q_{710} is .04

James J. McDonald
James J. McDonald
District Engineer

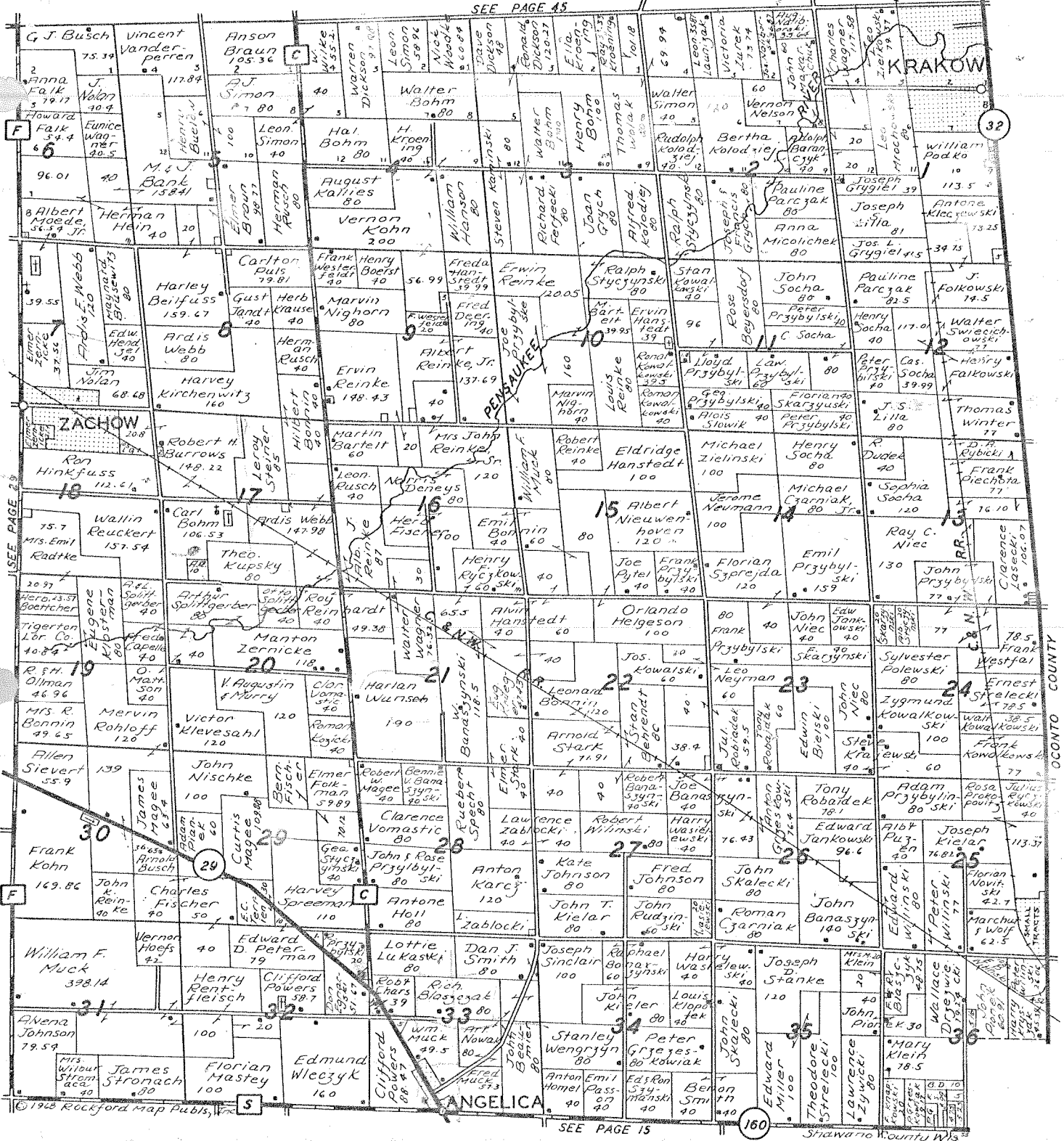
Dennis C. Weisensel
Dennis C. Weisensel
District Biologist

JJM:ct

NOTED:

Date _____

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