

drop delete → LAL

Region WCR County Chippewa Date 4-14-81 Classification LAL → wetland

Water Body: Duncan Creek Tributary

Discharger: N. Auburn WWTP (proposed)

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:

DROP DELETE

**Comments:**

LAL by default for wetlands.

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NEW AUBURN, CHIPPEWA COUNTY

Wastewater Receiving Stream Classification

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delete*

Receiving Stream - Drainage Area Tributary to Duncan Creek.

Location: T-31-N, R-9-W, Section 6, Northwest  $\frac{1}{4}$ , Southwest  $\frac{1}{4}$ ,  
and R-10-W, Section 1, Northeast  $\frac{1}{4}$ , Southeast  $\frac{1}{4}$ .

The purpose of this stream classification is to evaluate a possible new discharge site for the Village of New Auburn. The area involved is located approximately .75 mile east of the Village of New Auburn, north of "AA", in the vicinity of the Section 1/6 line.

Upstream or south of CTH "AA" is open ponded water (approximately 25 feet in diameter) surrounded by marsh grass with muskrat houses and cattails. High land adjacent to the area is pastured. The wetland is surrounded by dogwood, willow, tag alder, popple, and birch. The low wetland extends upstream to the southeast, approximately one mile to Highway "SS", the C & NW railroad tracks, and Highway 53.

Open water in the vicinity of County Highway "AA" is very dark brown. Flow through the culvert under the road was slow but preceptable. Leeches and snails were observed and a multitude of frogs were heard. Filamentous algae was also common in the water.

Downstream, north of "AA", was an open area of water approximately 50 feet by 20 feet in size, which constricted to a flow channel about one foot wide through grasses, willow, and dogwood. Also common farther north and east in the wetland, were tag alder and tamarack. Soil at the wetland fringe was saturated and standing water was present in small depressions between grassy hummocks. A new, but not yet finished house, is located approximately 100 yards north of the open-water area at "AA".

From Highway "AA", the wetland area expands to the northeast to a point where it is approximately .75 mile wide and occupies approximately 60% of the area within section 6. The origin of a tributary to Duncan Creek is located in the center of the northeast quarter of section six. Total separation distance from any sewage discharge at the proposed site would be in excess of .75 mile from this tributary origin.

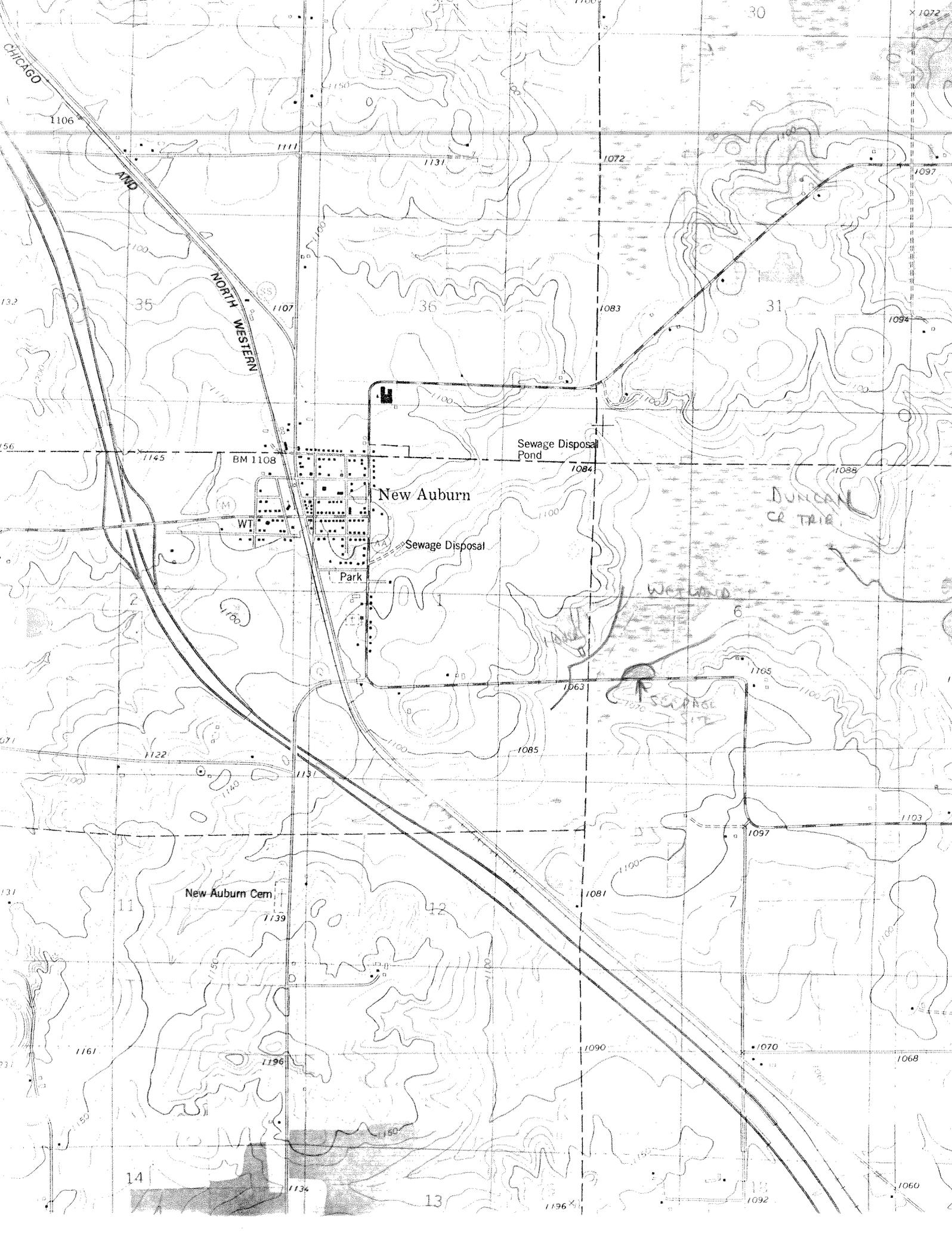
The wetland classification, according to U.S. Fish and Wildlife Service, Circular 39, would be Type 3 - Inland Shallow Fresh Marsh and Type 6 - Shrub Swamp.

Recommendations

The discharge receiving area for the proposed new wastewater treatment facility for the Village of New Auburn shall be classified as a wetland.

Evaluation Date: April 14, 1981

Personnel: Terry A. Moe - Water Quality Management Leader -  
West Central District.



CHICAGO

AND

NORTH WESTERN

New Auburn

Sewage Disposal Pond

Sewage Disposal

Park

New Auburn Cem.

SEWAGE PIT

DUNCAN CR TRAIL

WATERLAND

14

13

13

1060

NEW AUBURN, CHIPPEWA/BARRON COUNTY

WASTEWATER RECEIVING STREAM CLASSIFICATION

Receiving stream - Headwaters drainage area tributary to Duncan Creek.

The New Auburn single celled WWSP is located northwest of the village. It is bordered on the west and south by fields and woods and on the north and east by a cattail marsh to which it discharges. The marsh extends from the WWSP in S 1/2 of SE 1/4 of section 36, through sections 6 and 5. No flow channel is maintained through the marsh. Duncan Creek headwaters originate in the marsh in E 1/2, section 6 and W 1/2 of section 5, then flows south through the center of section 5. Duncan Creek drains the marsh approximately 1.25 miles below the WWSP and is classified a trout stream.



Discharge pipe at east side of New Auburn lagoon



Cattail marsh receiving New Auburn effluent - ENE from lagoon at discharge pipe

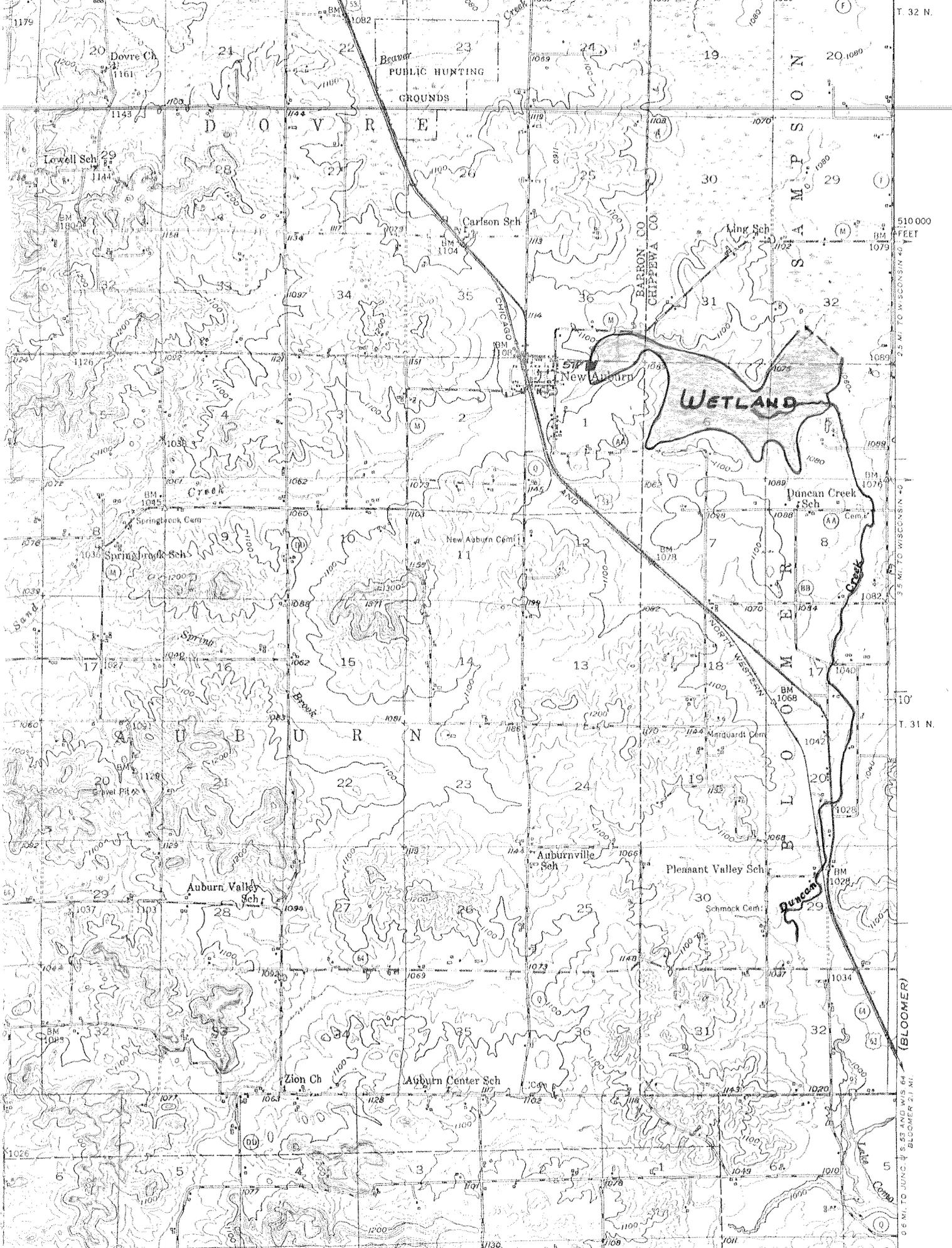
RECOMMENDATIONS:

The cattail marsh receiving New Auburn WWSP effluent shall be classified a wetland. Duncan Creek is classified continuous, fish and aquatic life.

EVALUATION DATE:      October 12, 1976

PERSONNEL:

Terry A. Moe - Water Pollution Biologist - WCD



510 000 FEET

2.5 MI. TO WISCONSIN

3.5 MI. TO WISCONSIN

10'

T. 31 N.

(BLOOMER)

0.6 MI. TO JUNC. U.S. 53 AND WIS 64 BLOOMER 2.1 MI.



Wetland north  
of CTH AA  
looking NNW

A

Wetland area  
north of CTH AA,  
east of wetland  
pictures and east  
of seepage site  
Looking NNE



C



Aerial view of New Auburn stream classification area  
looking northeast. Road is CTH AA running east/west.



Wetland south  
of CTH AA  
looking SSW

B

Seepage site  
North of CTH AA,  
east of wetland  
pictures  
Looking NW



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