

DATE: 17 OCT 79

STREAM: TRIBUTARY TO POPLAR RIVER (T48N R11W SEC 31)

DISCHARGER: PROPOSED - VILLAGE OF POPLAR

COUNTY DOUGLAS

CLASSIFICATION RECOMMENDATION

REACH DESCRIPTION - ENTIRE TRIBUTARY

HYDROLOGIC CLASSIFICATION - NONCONTINUOUS

SURFACE WATER CRITERIA - MARGINAL

EFFLUENT LIMITATIONS - MUST ASSUME $Q_{7,10} = 0$

VERY SMALL WATERSHED WILL PROVIDE
SUBSTANTIAL FLOW ONLY DURING RUNOFF EVENT.
AUTUMN
FALL FLOW CAN NOT BE RELIED ON.

ADDITIONAL COMMENTS

NWD CAN NOT RECOMMEND USE OF THIS STREAM
AS RECEIVING WATER.

Ted Smith

ATTACHMENTS

REFERENCES USED

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
STREAM CLASSIFICATION WORKSHEET

Receiving Watercourse : ^{TRAIL TO} Poplar River (ORIGINATING IN SW¹/₄ of SEC 31)

District : NW

Location : T48N R11W SEC 11

Major Basin : Lake Superior

Discharger : VILLAGE OF POPLAR (PROPOSED)

Flow (Design & Actual) :

Type of Treatment :

Recommended No.	Reach	Classification Location
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Date of Field Observations : 11 October 79

Personnel : Penn
Hoglund

Class : MARGINAL (SEE
RECOMMENDATION)

Other Persons Contacted : BILL WEIHER, BRULE AREA FISH MANAGER.

Noted by WQES :

Date :

STREAM CLASS REACHES

PHYSICAL FEATURE		1	2	3	4	5
Watershed Character (maps or observations)	Size (sqmi)	(12 acres) .019 Sq. mi				
	Vegetation type	20% Grassland 80% Forest - Popple + Hardwood				
	Predominant Land Use	Pasture				
	Wetland Type	NONE				
Hydrologic Features (indicate if estimated or actual measurements)	Width (ave)	2'-4'				
	Depth (ave/max)	1'/3'				
	Velocity (est)(fps)	NONE				
	Flow (cfs)	0 Flow				
	Pools or Refuges for Fish No. observed, depth	12 to 15 1' to 3' FISH OBSERVED IN ONLY ONE POOL NEAR MOUTH				
% Bottom Type	Silt					
	Sand Gravel	10%				
	Rubble	25%				
	Other clay	65%				
Control Structures or Obstructions		NONE				
Irretriv. Channel Alterations		NONE				
Discharge	STREAM BANK EROSION RESULT OF CATTLE LIVE STOCK GRAZING AND IN-STREAM WATERING					

STATION RECEIVING WATER

STATION RECEIVING WATER
No change in stream character from section line to confluence.

Pool - 25 to 30 yds.
above confluence
with Poplar R.

Pool - East of house
where discharge
from 2 septic
p.p.e. drains

Pool - 30 yds
upstream from
#2 3

[illegible]

BIOLOGICAL CHARACTERISTICS

STATIONS ON RECEIVING WATER

		1	2	3	4	5
Bank Vegetation		Grass + Open Forest				
Aquatic Macrophytes		None Observed				
Invertebrates		2 Physidae				
		NO INSECT LARVAE OBSERVED				
Phytoplankton (algae)		None Observed				
Fish Observed		In a pool 25-30 yds above junction with Poplar R, 1 stickleback 1 creek chub				
Fishery Classification						

BIOLOGICAL CHARACTERISTICS
(continued)

STATIONS ON RECEIVING WATER

		1	2	3	4	5
Reaches of Critical or Particular Wildlife Value	Spawning Areas	<i>None</i>				
	Critical Habitats					

CULTURAL FEATURES

STATIONS ON RECEIVING WATER

		1	2	3	4	5
Recreational Uses		<i>None</i>				
Type of Drainage Sources Observed		<i>Pipe east of house (Fire No PD129), 15 yards from the creek bed with "septic" flow into the creek</i>				
		<i>REFER TO DODGAS CO. ZONING ADMINISTRATOR</i>				
Discharge						

CORRESPONDENCE/MEMORANDUM

Bennwitz
STATE OF WISCONSIN

Date: October 3, 1979
To: David Jacobson, N.W. District, Spooner
From: Thomas Kroehn, Administrator
Division of Environmental Standards
ADM/5
Subject: Stream Classification for an Unnamed Tributary to the Poplar River

File Ref: 3200
(ATTN: Ted Smith)

In order to determine effluent limits for a proposed discharge to an unnamed tributary to the Poplar River from the Village of Poplar, it will be necessary for the Northwest District staff to conduct a stream classification on that tributary. The tributary originates in the southwest portion of Section 31, R11W, T48N, and drains into the Poplar River near the center of this section. The proposed discharge site will be in one of Sections 31 or 6 of the Village of Poplar, Douglas County.

Please have results sent to Tom Bennwitz of the Water Quality Evaluation Section at GEF 2.

→ cc: Tom Bennwitz

CORRESPONDENCE/MEMORANDUM

STATE OF WISCONSIN

Date: December 18, 1978

File Ref: 3200
(Steve Skavroneck)

To: Central Office

DNR

DEC 21 1978

From: Ted R. Smith *TRS*

Subject: Stream Classification - Poplar River, Douglas County

This is in response to your request to evaluate the Poplar River as receiving water for potential Village of Poplar treated wastewater.

An impoundment on the Poplar River, created by a privately-owned dam, is located near the village of Poplar. All the river above this flowage is Class III Trout Water.

Below the dam, the Poplar River probably supports a well-balanced aquatic community. Periodic very low flow is the only factor leading to a possible water quality problem.

This office agrees with the area fish manager that no variance from fish and aquatic life standards should be considered for the Poplar River. Also, the river above the dam should not be considered potential receiving water.

TRS:cg
cc: Brule Area Office