

DATE: 6/23/2005

FILE REF: 3600

TO: Laura Bub, WT/2

FROM: Steve Galarneau, WT/SER - Plymouth

SUBJECT: Unnamed Tributary to Fisher Creek

As per my September 25, 2000 memorandum (see below), the stream classifications for the unnamed tributaries to Fisher Creek are Diverse Fish and Aquatic Life (DFAL) or WWFF and WWSF in the 9/25/2000 memo. Given that Lakeland College now discharges to the Sheboygan River and no longer discharges to the unnamed tributaries to Fisher Creek in the Pigeon River Watershed, the Sheboygan River Basin team requests that the stream classification be updated by removing the variance classification from NR 104.

DATE: 9/25/2000

FILE REF: 3600

TO: File

FROM: Steve Galarneau WT/Sheboygan River Basin

SUBJECT: Stream Classification Summary for Fisher Creek Tributaries: Lakeland College Tributary and Jetzers Creek.

Lakeland College Tributary – T16N R22E S28 SENW

Biological, physical, and chemical water quality assessments were conducted on the Lakeland College tributary to Jetzers Creek as part of the Pigeon River Priority Watershed Stream Appraisal (WDNR, 1997). **The existing biological use classification for this tributary was found to be warm water forage fish (WWFF) and the potential use is warm water sport fish (WWSF) because of northern pike spawning.** See attached excerpt from the WDNR 1997 stream appraisal report.

Jetzers Creek Tributary – T16N R22E S26 NESW

Biological, physical, and chemical water quality assessments were conducted on the Jetzers Creek which is tributary to Fisher Creek as part of the Pigeon River Priority Watershed Stream Appraisal (WDNR, 1997). **The existing biological use classification for this tributary was found to be warm water forage fish (WWFF), but it has the potential to support warm water sport fish communities (WWSF).** See attached excerpt from the WDNR 1997 stream appraisal report.

cc: Vic Pappas
Rhonda Volz
Kurt Nickels

Bub, Laura A

From: Galarneau, Stephen G.
Sent: Friday, June 03, 2005 7:32 AM
To: Bub, Laura A
Subject: FW: Lakeland



Sheboygan County
Comprehensive...

Good morning Laura. The memo above is (obviously) for Sheb. Co. Comp. Health and the succinct e-mail message below is for Lakeland. Do these suffice? steve

-----Original Message-----

From: Nickels, Curtis J
Sent: Thursday, June 02, 2005 3:00 PM
To: Galarneau, Stephen G.
Subject: Lakeland

I have it in writing in their permit application that the new plant with discharge directly to the Sheboygan River that they went fully operational on March 1, 2002. I am not aware of any other discharge to the old receiving stream, unnamed tributary to Fisher's Creek.

Curt Nickels
Wastewater Engineer
WDNR Plymouth
PO Box 408
1155 Pilgrim Road
Plymouth, WI 53073
920-892-8756 x3030
curtis.nickels@dnr.state.wi.us

Region SEK **County** Sheboygan **Report Date** 5/1980 **Classification** LAL/WWSF
Water Body: Fisher Creek, Trib to
Discharger: Lakeland College

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:

05/1980 - J. KURZ

Additional Comments/How to improve report:

Report does not state reason for proposed LAL class'n.
* as of 10/2003, this segment is not in code, and therefore defaults to a
FAL class'n. For PI revisions, it is proposed that the segment be classified
as FAL thru 6/30/02. After that, it should be WWSF. There is also a note
C:\Data\Stream Classification\Site UAA checklist.doc
in file from S. Galameau stating that Lakeland college is now discharging
to the Sheboygan River. So, possibly a PI revision is NOT necessary?

Date 2/11/2002

Facility Name Lakeland College

Receiving Water Unnamed tributary to Fisher Creek

Evaluated by Steve Galarneau

This stream classification is not included in the revised code because (select one):

^{discharge}
The discharge is no longer at this location. Discharge is now to the Sheboygan River (WWSF).

A new classification has resulted in a full fish and aquatic life designation.
New survey date _____ Please provide copy of new classification report.

This receiving water should be added to the database and to the code. Specify information, as it should be included in code.

Other (please explain)

Lakeland College has relocated their discharge as part of their facility upgrade. The new discharge is to the Sheboygan River in the Town of Frankl'n

STREAM: Tributary to Fishers Cr

DISCHARGER: Lakeland College

MAY 28 1980

COUNTY Sheboygan

CLASSIFICATION RECOMMENDATION

It is recommended that the stream system be classified as follows:

- 1) Non-continuous, marginal fish and aquatic life from the headwaters of the tributary to the confluence with the Jetzers Lake outlet.
- 2) Non-continuous, intermediate fish and aquatic life from the confluence of the Jetzers Lake outlet to the confluence with Fishers Cr.
- 3) Continuous, intermediate fish & aquatic life - Fishers Cr

ADDITIONAL COMMENTS

Majority of flow at Site 1, below the Lakeland College, due to the discharge from the treatment plant.

ATTACHMENTS

USGS map

REFERENCES USED

- 1) Surface Water Resources of Sheboygan Co.
- 2) Low-flow characteristics of Wisconsin streams at sewage treatment plants and industrial plants. U.S.G.S. Water Res. Invest. 79-31

cc: Becky Wallace ← WR/2
Frank Scholtz

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
 STREAM CLASSIFICATION WORKSHEET

Receiving Watercourse : Tributary to Fishers Creek
 District : Southeast
 Location : SE 1/4 NE 1/4 Sec 20 T16N R22E
 Major Basin : Pigeon R. watershed;
 Sheboygan R. Basin
 Discharger : Lakeland College
 Flow (Design & Actual) : 0.06 MGD design flow
 Type of Treatment : Secondary

Recommended No.	Reach	Classification Location
	1	CTH "M" Below Lakeland College lagoon
	2	Highland Rd
	3	CTH "A" , Fishers Cr
	4	STH 32 , Fishers Cr

Date of Field Observations : 21 May 80

Personnel : Joe Kurz
 Class : ES-4

Other Persons Contacted : Paul Schultz, Plymouth area fish manager

Noted by WQES :
 Date :

PHYSICAL FEATURE		STREAM CLASS REACHES				
		1	2	3	4	5
Watershed Character (maps or observations)	Size (sqmi)					
	Vegetation Type					
	Predominant Land Use	Cropland	Pasture Cropland	Cropland	Cropland	
	Wetland Type	-	-	-	-	
Hydrologic Features (indicate if estimates or actual measurements)	Width (ave)	3'	2'	4'	6'	
	Depth (ave/max)	0.2'/0.2'	0.4'/0.4'	0.5'/0.6'	0.6'/1.3'	
	Velocity (est)(fps)	0.55	0.3	0.2	0.5	
	Flow (cfs) est.	0.3	0.2	0.4	1.8	
	Pools or Refuges for Fish No. observed, depth					
	% Bottom Type					
	Silt	20	20	30		
	Sand	50	50	60	30	
	Gravel	30	30	10	40	
	Rubble				30	
	Other					
Control Structures or Obstructions		None	None	None	None	
Irretriev. Channel Alterations		None, channelized reach	None	None	None	
Discharge Q ₇₁₀		40.1 cfs @ CTH "A"	-	-	-	

BIOLOGICAL CHARACTERISTICS

STATIONS ON RECEIVING WATER

		1	2	3	4	5
Bank Vegetation		grasses	grasses	grasses	grasses	
Aquatic Macrophytes		None	<u>Lemna</u> sparse	<u>Elodea</u> 50% cover	<u>Elodea</u> abundant <u>Ranunculus</u> sparse	
Invertebrates		None observed	<u>Asellus</u> abundant	<u>Asellus</u> and <u>Simuliidae</u> abundant	<u>Simuliidae</u> abundant Stoneflies found	
Phytoplankton (algae)		20-30% stream cover - periphyton	30% stream cover filamentous algae	40% stream cover - filamentous algae	60% of stream cover - filamentous algae	
Fish Observed		None observed	Forage fish numerous	None observed	Forage fish numerous	

Fishery Classification

Warmwater stream managed primarily for forage fish. Fishers Cr. and the tributary both have migration of Salmonids.

BIOLOGICAL CHARACTERISTICS
(continued)

STATIONS ON RECEIVING WATER

		1	2	3	4	5
Reaches of Critical or Particular Wildlife Value eg: 	Spawning Areas	None	None	None	None	
	Critical Habitats		Potential for	Potential for	Potential for	
			migration of Salmonids	migration of Salmonids	migration of Salmonids

CULTURAL FEATURES

STATIONS ON RECEIVING WATER

		1	2	3	4	5
Recreational Uses		Very little use	Very little use	Very little use	Very little use	
		expected	expected	expected	expected	
Type of Drainage Sources Observed		Agricultural, roadside	Pasture	Cropland	Cropland, Urban	
Other Dischargers		None	None	None	None	
			

