

NORTHWEST DISTRICT
 Craig Roesler (715) 635-4077

NR104 List Number add

Waterbody Name Trub. To Lightning Creek
 Waterbody ID Code _____
 Discharge Facility Crystal Lake WWTP
 Permit Number 0035114
 Date of Field Survey 05-12-83
 Report Classification/Date 08-05-83
 Update Classification/Date _____
 Hydrologic Classification non-cont

County Barron
 DNR County Code 03
 USGS Basin _____
 DNR Basin (ES Code) _____
 Watershed LC05
 Date of Standards Review _____
 Topo Quad/Date Almena (83 NE) 1978
 Wetlands Classification n/a

Reach Description: ① From the WWTP outfall in the NW SW T35N R14W S35 to the road crossing on the section line between S3 and S10 - LAL
 Township/Range/Section: (2) from the road crossing T40N S3 and S10 to the confluence w/ Lightning Creek - LFF
 District Report: LAL, LFF

Small Stream Classification Manual: 8-5-83: Recommends classifications as LFF & LAL. Lightning Cr. class: FAL

Triennial Standards Review:

Joe Ball's District Report log/files:

Basin Report:

Existing Classification:

Potential Classification:

WW Industrial and Municipal WW Permit file: facility located in SW NW S35 T35N R14W

Additional Comments: unable to locate any definite description on maps that show facility or outfall.

Task to be Completed	Completed By	Date	Checked By	Date
Initial Verification with District Personnel				
Final Verification with District Personnel				
Delineated on Topo Quad				
Lotus Attribute Table Completed <u>LFF</u>	<u>JRS</u>	<u>5/18</u>	<u>JRS</u>	<u>5/19</u>
Digitized Surface Water <u>#184 / #185</u>	<u>JRS</u>	<u>4/12</u>	<u>KAB</u>	<u>5/19</u>
Digitized Discharger	<u>JRS</u>	<u>4/12</u>		
Digitized Outfall	<u>JRS</u>	<u>4/12</u>		
Completed Attribute Table				

Handwritten initials/signature

CORRESPONDENCE/MEMORA

LHL

LFF

OF WISCONSIN

Date: August 5, 1983
To: Central Office - Madison
From: Frank J. Koshere

(no reviews in log report)
WWPF indicates discharge
to GW & Tels. effluents
Set for LHL
Should be in code(?)

Subject: NR 104 Surface Water Classification For Crystal Lake Sanitary District
(at Comstock), Barron County

Classification Recommendation - The NWD recommends the unnamed surface water described as a stream originating at NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sect. 35, T35N, R14W, be placed in the hydrologic classification of noncontinuous stream (NR 104.02(1)(e)), and be given a variance from fish and aquatic life standards (NR 102.02(3)(a)), and instead be placed in the marginal variance category (NR 104.02(3)(b)), from its source downstream to the road crossing on the section line between Sect. 3, T35N, R14W, and Sect. 10, T34N, R14W. From the Sects. 3/10 line the stream should be placed in the intermediate aquatic life variance category downstream to the confluence with Lightning Creek in the NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sect. 10, T34N, R14W. Lightning Creek should be classified as meeting fish and aquatic life standards for trout (NR 102.02(3)(e)).

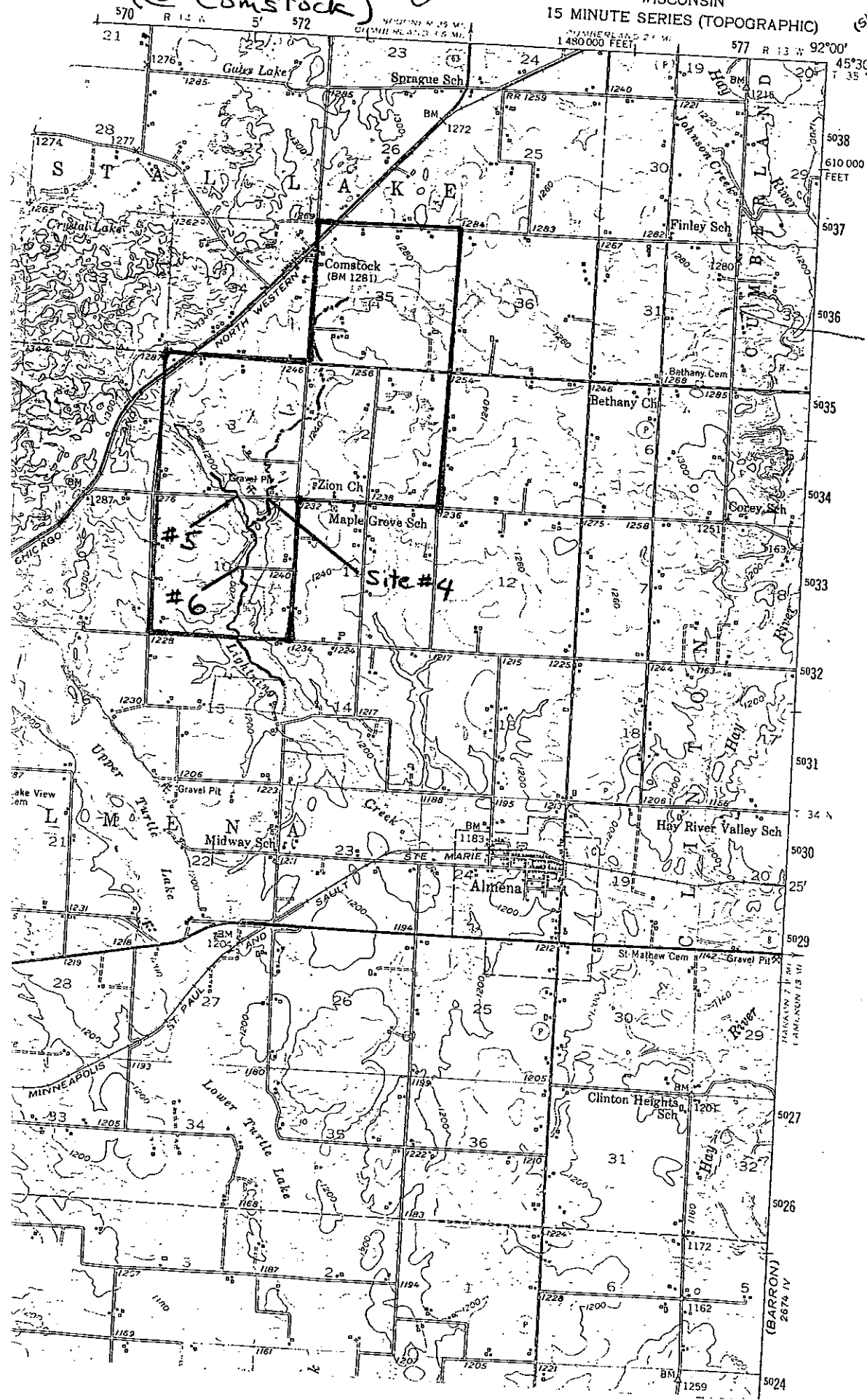
Description - A surface water classification investigation was conducted on May 12, 1983, for the proposed receiving water for the Crystal Lake Sanitary District. The receiving stream is an unnamed tributary to Lightning Creek located at T35N, R14W, Sect. 35, continuing into T34N, R14W, Sections 2, 3, and 10. The portion of Lightning Creek located in T34N, R14W, Sect. 10 is included in the classification.

This stream originates in the NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sect. 35 (see attached map). Although a stream channel is evident at the road crossing in SW $\frac{1}{4}$, Sect. 35, no flowing water was observed. Surrounding land uses are agricultural with pasture, cropland and barnyards adjacent to the stream. It would be expected that this reach would be dry during low flow weather conditions due to lack of upstream base flow and from evapotranspiration from the heavily grassed streambank.

Each existing road crossing was observed downstream to the confluence with Lightning Creek in the NE $\frac{1}{4}$, Sect. 10, T34N, R14W. No continuous flow was found until site No. 4 at the road crossing on the Section 3/10 line. Above this point the stream appears to have intermittent flow.

tal Lake Sanitary Dist TURTLE LAKE QUADRANGLE
(@ Comstock) WISCONSIN
15 MINUTE SERIES (TOPOGRAPHIC)

2675 III
SHELL LAKE
1:48 000



18.6 - 13.1

Recent# PTSource

Ind. Mun County Watershed Rec. Water

Reach Desc.

Hydroclass

add

28 CLEAR LAKE

M

POLK

SC03

UNNAMED TRIB TO WILLOW RIVER

OF BEAVER BROOK

UNNAMED TRIBUTARY TO THE WILLOW RIVER

NONCONTINUOUS

LFFC (INTERMEDIATE)

agrees

29 CLEAR LAKE

M

POLK

SC03

UNNAMED TRIB TO WILLOW RIVER

WILLOW RIVER

add

30 CLOVER S.D. #1 (HERBSTER) M

BAYFIELD

LS06

DRY RUN TO LAKE SUPERIOR

DRY RUN

LAKE SUPERIOR

-FAL WWSF

LAL GREAT LAKES

c.o. classify this as FAL.

31 CONRATH

M

RUSK

UC05

MAIN CREEK

-FAL WWSF

32 CRYSTAL LAKE S.D.

M

BARRON

LC05

TRIB TO LIGHTNING CK/GRNDWTR

LIGHTNING CREEK.

-FAL WWSF

33 CRYSTAL LAKE

M

BARRON

LC05

TRIB TO LIGHTNING CK/GRNDWTR

TRIB OF LIGHTNING CREEK ABOVE SOUTH BOUNDARY OF SEC 3, T34N, R14W.

NONCONTINUOUS

LAL (MARGINAL)

34 CRYSTAL LAKE

M

BARRON

LC05

TRIB TO LIGHTNING CK/GRNDWTR

TRIB OF LIGHTNING CREEK BETWEEN SOUTH BOUNDARY OF SEC 3, T34N, R14W AND ITS CONFLUENCE WITH LIGHTNING CREEK.

NONCONTINUOUS

LFFC (INTERMEDIATE)

agrees w/ c.o. check?

add

35 CUMBERLAND

M

BARRON

LC05

HAY RIVER

HAY RIVER FROM BEAVER DAM LAKE DOWNSTREAM TO THE TOWN ROAD CROSSING AT THE SOUTHEAST CORNER OF SEC 19, T35N, R13W.

NONCONTINUOUS

LFFC (INTERMEDIATE)

agrees

CUMBERLAND

M

BARRON

LC05

HAY RIVER

HAY RIVER DOWNSTREAM OF THE TOWN ROAD CROSSING AT THE SOUTHEAST CORNER OF SEC 19, T35N, R13W.

CONTINUOUS

-FAL WWSF

M

BARRON

LC07

GROUNDWATER - check to verify (possible surface discharge)

(N. Branch of Upper Pine Cr.)

mat

NR104

ORW..ERW Wetland

CLASS. MEMO AND 1-85 STANDARDS REVIEW
EQUATE. LISTED IN TABLE 7 OF NR104 (WEST
IST.), BUT NO EFFLUENT LIMITATIONS GIVEN.
BE MOVED TO TABLE 8.

SHOULD BE ADDED TO NR104
YES, CHANGE
TO CORRECT
TABLE

NO NO

CLASS. MEMO AND 1-85 STANDARDS REVIEW
EQUATE.

NO NO NO

MEMO IN FILE. DRY RUN IS ABOUT 1/4 MILE
FLUENT LIMITS ARE PROBABLY BASED ON
TO LAKE SUPERIOR. SHOULD THIS BE ADDED

SHOULD ADD TO NR104?
yes?

NO NO

RS WELL DOCUMENTED IN APRIL 1987

NO NO NO

REVIEW REPORT

NO SEEMS ADEQUATE.

NO NO NO

NO SEEMS ADEQUATE.

SHOULD ADD TO NR104
YES

NO NO

NO SEEMS ADEQUATE.

SHOULD ADD TO NR104
YES

NO NO

NO, SEEMS ADEQUATE; 1988 ASSIMILATION
LISTED IN TABLE 7 OF NR104 (WEST CENTRAL
SHOULD BE MOVED TO TABLE 8, AND CHANGE
ION.

SHOULD ADD TO NR104
YES
CHANGE

NO NO

NO, SEEMS ADEQUATE; 1988 ASSIMILATION

NO NO NO

VIEWED

NO