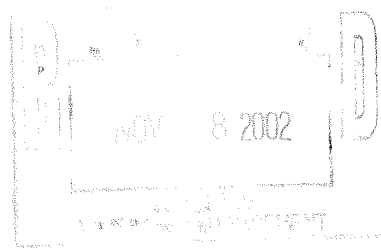


CORRESPONDENCE/MEMORANDUM

DATE: November 5, 2002
TO: Laura Bub – WT/2
FROM: Craig Roesler - Hayward
SUBJECT: NR104 Files



FILE REF:

Enclosed are copies of 2 files for dischargers and the receiving water bodies – Flambeau Correctional Center's discharge to a wetland tributary to Hackett Creek, and WI Dairies Coop's discharge to an intermittent tributary to Main Creek. There was no file available in Madison when MEA reviewed the files.

I think both files are adequate to justify the proposed stream use designations. Also, I believe WI Dairies Coop (Conrath) is no longer in business so a designation is no longer needed for that site.

Let me know if you need further information. I expect to get the information for the other sites in question to you by November 15th. I have moved my office from Spooner to Hayward. My current phone no. is 715-634-~~2688~~ ext. 3522.


9058



CORRESPONDENCE/MEMORANDUM

Date: January 8, 1990 IN REPLY REFER TO: 3200

To: File - Main Creek, Rusk County (Unnamed Tributary to)

From: Frank J. Koshere 

Subject: **SURFACE WATER CLASSIFICATION (WI DAIRIES - CONRATH)**

Classification Recommendation

The unnamed tributary to Main Creek, Rusk County, shall be classified hydrologically as a non-continuous stream (NR 104.02(1)(e)) and classed in the water quality variance subcategory of limited aquatic life (marginal surface waters) (NR 104.02(3)(b)). Water quality standards shall be those referenced in NR 102.04(3)(f) for the subcategory limited aquatic life (marginal surface waters). The classification shall apply to the entire stream which originates in the NW $\frac{1}{4}$, Section 19, T33N, R5W, and ends at the confluence with Main Creek in the NE $\frac{1}{4}$, Section 24, T33N, R6W.

Discussion

On November 9, 1989, a field survey was done to classify this stream initiating from Wisconsin Dairies' - Conrath request for a non-contact cooling water discharge of 20,000 gpd. The discharge is proposed to flow 1/4 mile west in the north ditch of Broken Arrow Road and then cross south under the road into the unnamed tributary.

Three sites on the unnamed tributary were evaluated. Isolated pools of standing water were present at the two upstream sites, and the downstream site was dry. No water chemistry samples were taken. Using "Stream Classification Guidelines for Wisconsin" (Ball, 1981), a habitat rating was done at each site (attachment). The poor habitat ratings resulted from poor channel development reflecting the lack of stream flow.

No stream flow existed despite the location of the dairy's wastewater lagoons in the wetland where the intermittent stream originates. A second potential drainage direction at the center of Section 19 was checked for flowing water, but it was dry and non-channelized. Thus, no surface water flow was found stemming from the wetland.

The lack of base stream flow is the determining factor for this classification. At the two upstream sites (No. 2 and 3 on the attached map), a stream channel is faintly evident. At site #3, a channel is evident as the stream drops rapidly in elevation where it crosses Rangeline Road. A short distance below the road the stream loses its channel identity and becomes a diffuse low-gradient drainage over pasture. The property owner here, a farmer, was interviewed and indicated flow occurred only during spring or other heavy runoff

Surface Water Classification (WI Dairies - Conrath)
January 8, 1990

2.

events. Whatever stream channel that originally existed below Rangeline Road has been largely erased by agricultural activities. Flow duration and volume are apparently too low to redefine the channel.

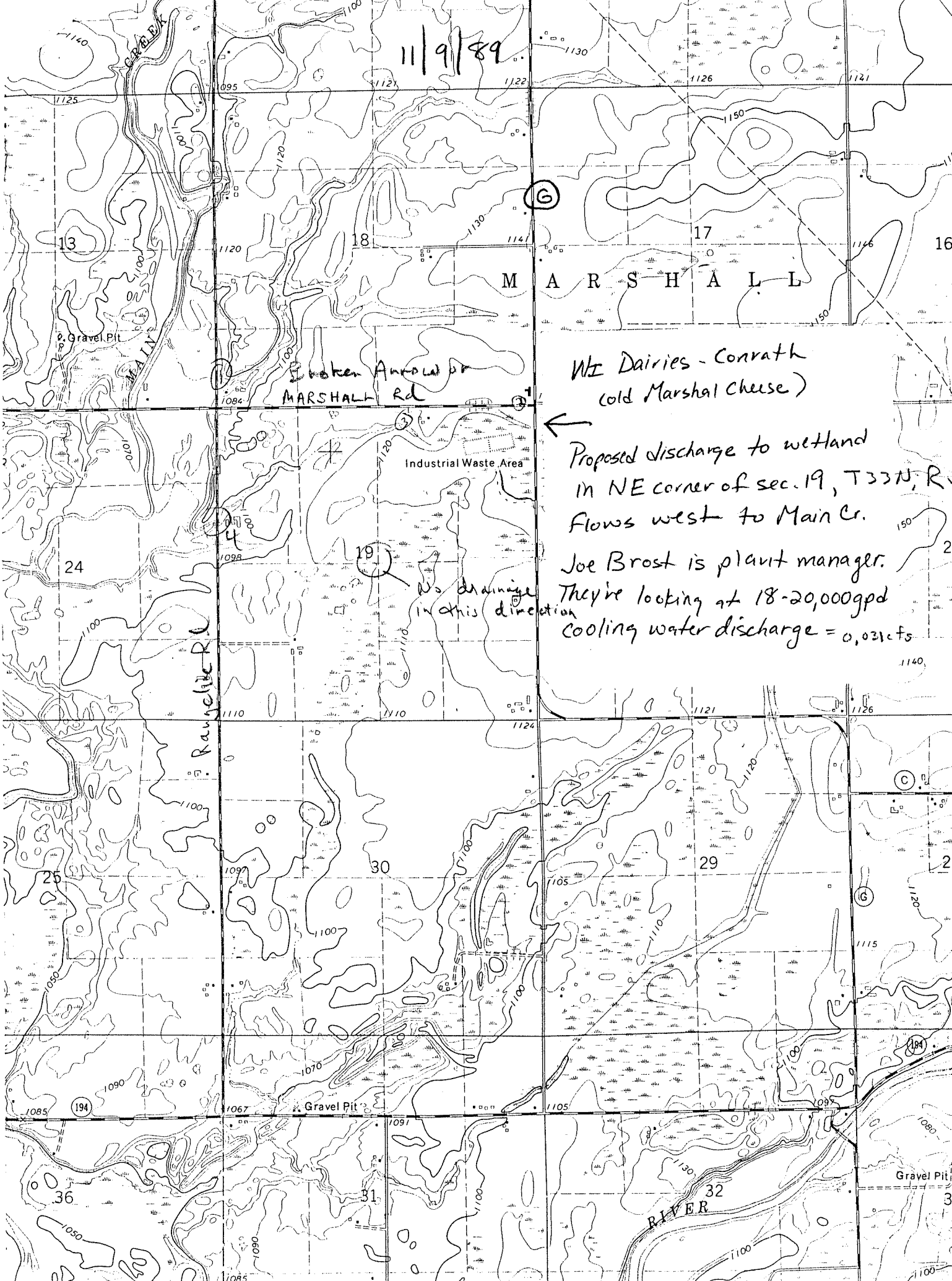
Lack of physical habitat and the intermittent flow place this stream into the above-described surface water classification categories.

FJK:sn
Attach.

cc: Duane Schuettpelz - WR/2
Kathy Bartilson - Spooner

1289\WR8N1248.FJK

11/9/89



M A R S H A L L

Broken Arrow on
MARSHALL Rd

Industrial Waste Area

WZ Dairies - Conrath
(old Marshal Cheese)



Proposed discharge to wetland
in NE corner of sec. 19, T33N, R.
Flows west to Main Cr.

No drainage
in this direction

Joe Brost is plant manager.
They're looking at 18-20,000gpd
cooling water discharge = 0.021 cfs

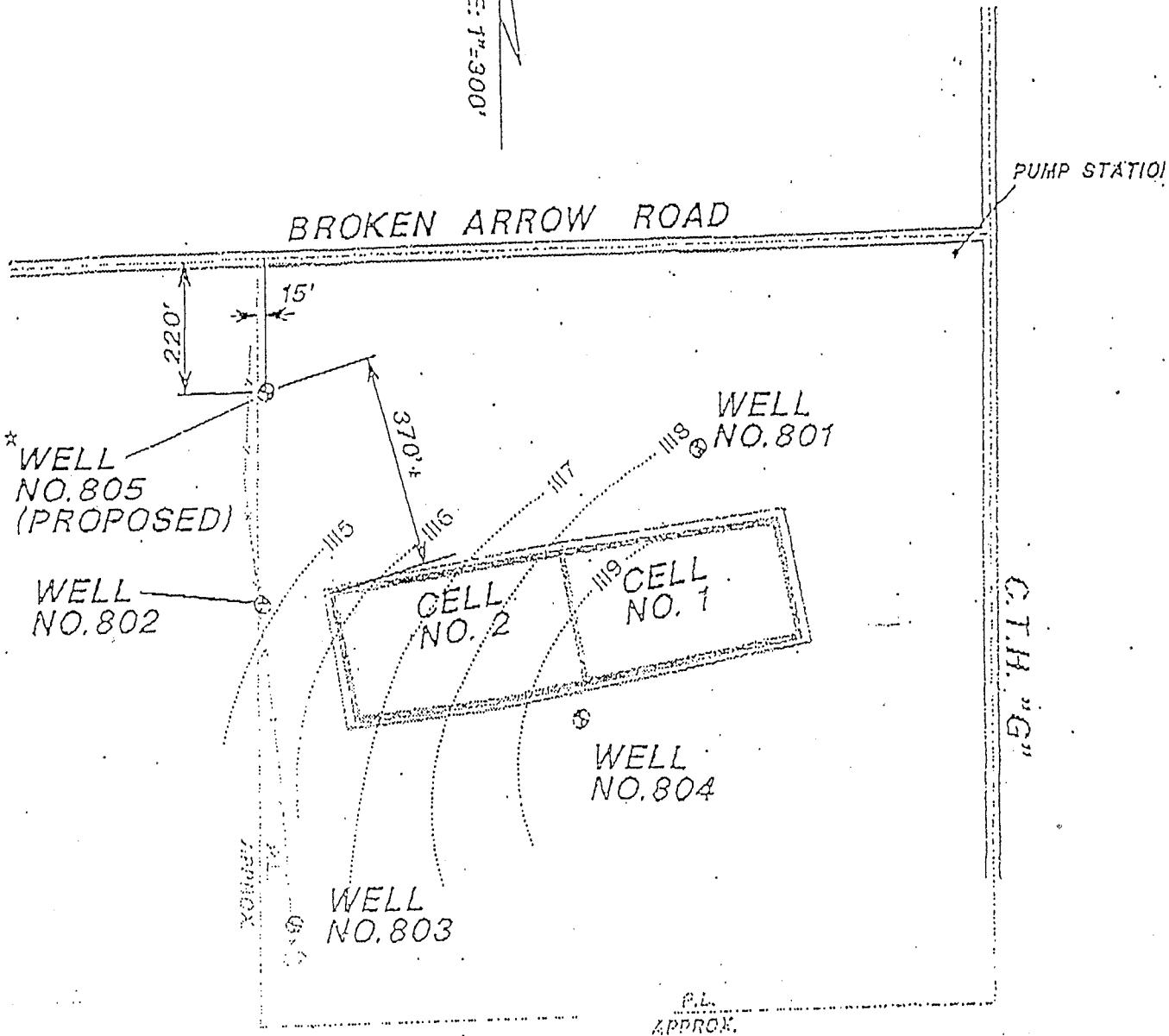
Rainelle Rd

RIVER

Gravel Pit

N

SCALE: 1"=300'



* FINAL LOCATION OF WELL NO. 805 AS RESULT OF SITE INSPECTION BY WIS. DAIRIES AND WI. DEPT. OF NATURAL RESOURCES ON 11/30/1992

WISCONSIN DAIRIES, INC. CONRATH, WI.	
SITE/GROUNDWATER CONTOUR MAP	
* (AS REVISED 12/1/1992)	
MEAD AND HUNT, INC. CONSULTING ENGINEERS MADISON, WISCONSIN	DRAWING NO. N8159-A
	JCS NO. WGD-02C