

Stream Classification at Clark Mills (Cato S.D.)

by Dennis C. Weisensel

Introduction: Clark Mills (Cato S.D.) is located on the banks of the Manitowoc River in Central Manitowoc County. A stream classification survey was conducted on two unnamed tributaries to the Manitowoc River at Clark Mills (Cato S.D.) on September 12, 1979. The north tributary enters the Manitowoc River (impounded by the Clark Mills Dam) on the north side of Clark Mills in the SW 1/4 of Section 22 along State Highway 148. This tributary is designated trib. "A" on the attached map. The south tributary enters the Manitowoc River (downstream from the impoundment) on the Southeast side of Clark Mills in the NW 1/4 of Section 27. The south tributary is designated trib. "B" on the attached map.

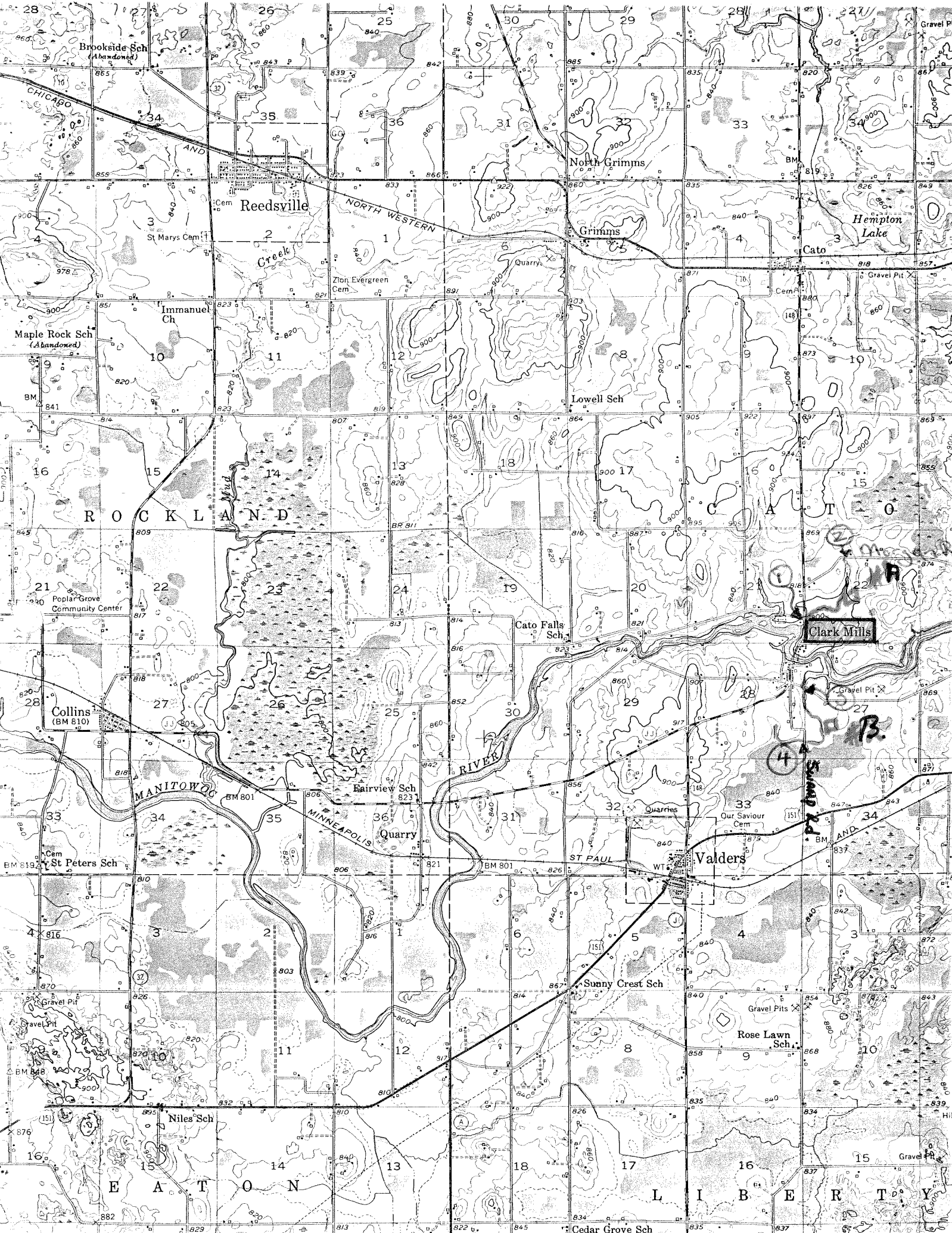
Results: Tributary "A" was examined at two locations, State Highway 148 Station #1 and Morgan Road, Station #2. The flow at both station #1 and #2 was barely decernable and could not be measured. The stream drains agricultural land but does contain wooded areas along its banks. At Station #1 the stream is approximately 4 inches wide and 1-4 inches deep. The stream has a natural bank. The substrate is clay silt with interspersed rock. The stream at station #2 is approximately 4 or 5 feet wide, but depth is only 1-2 inches deep. The substrate is rock and silt clay. The stream has a natural bank with natural meandering occuring. The stream receives agricultural drainage from the surrounding area. Tributary "B" was also examined at two locations. Station #3 is located at CTH JJ. The stream was dry at this location. The surrounding area is a deep wooded gully. The stream bed is rock and was completely dry. Station #4 was located at Swamp Road. Tributary "B" at this location drains agricultural land. The stream is linear in nature. Agricultural practices occur up to the banks. True natural banks are lacking.

Conclusion: Both tributary "A" and "B" exhibit conditions which indicate minimal or no flows during dryer times of the year. Agriculture is the basic land use surrounding the streams. Both tributaries ("A" and "B") are noncontinuous and a marginal variance can be granted.

Remark: A discharge to tributary "A" is not desirable. This tributary enters into the Manitowoc River above the dam at Clark Mills. Additional nutrient imput to the impoundment could have a degrading effect on the impoundment.

DCW:mw  
11/26/79

*discharge is  
to Manitowoc  
River*



## CORRESPONDENCE/MEMORANDUM

STATE OF WISCONSIN

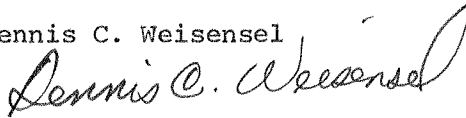
Date: September 28, 1979

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To: Central Office

(Mark Tusler)

From: Dennis C. Weisensel



OCT 1 1979

Subject: Stream Classification at Clark Mills (Cato S.D.)

A stream classification was conducted on two unnamed tributaries to the Manitowoc River at Clark Mills (Cato S.D.) on September 12, 1979. The north tributary enters the Manitowoc River on the north side of Clark Mills in the SW $\frac{1}{4}$  of Section 22. The south tributary enters the Manitowoc River on the southeast side of Clark Mills in the NW $\frac{1}{4}$  of Section 27.

## Results:

The north tributary had a minimal flow at St. H 148 and upstream at Morgan Rd. The water way collects agricultural land runoff. Some sections of the tributary is wooded and buffering occurs in those areas. Willow brush, cattails, sedges and wetland grasses are the predominant vegetation along the tributary.

The south tributary was dry during the survey. The downstream half of the tributary flows through a wooded ravine area. The upper half of the tributary drains a grassy lowland area and agricultural lands.

## Conclusion:

Both the north and south tributaries are noncontinuous with marginal use.

## Remarks:

The north tributary would be the least desirable to receive any effluent. This tributary enters into the Manitowoc River above the dam at Clark Mills. Nutrient input to the impoundment could have a degrading effect on the impoundment.

A formal report will be submitted at a later date.

DCW:cjs

cc: Dave Hildreth  
Jeff Haack

Attach.

