

Impaired Water Short Report

Date Report Run: 03/22/2018

Official Waterbody Name	West Branch Sugar River	Biologist	Amrhein, James F
Local Waterbody Name	West Branch Sugar River	WBIC	886100
Water Type	RIVER	County(ies)	Dane
Start Mile	7.65	Watershed(s)	SP16
End Mile	18.82	Trophic Status	TSI Not Applicable to Non-Lake
Size	11.17	NPS Rank	Not Ranked
Measurement Unit	MILES	Last Monitored	10/30/2017
303d Listed?	N		
DNR Category	Category 5P		
Assessment Level	Monitored		
Assessment Unit Comments	This AU: Highway 92 to CTH JG. Was delisted from 303d list in 2004		
Water Quality Trends	Water is impaired due to one or more pollutants and associated quality impacts.		
Comments:	This water was assessed during the 2018 listing cycle; new total phosphorus sample data exceed 2018 WisCALM listing criteria for the Fish and Aquatic Life use, however, available biological data do not indicate impairment. Existing macroinvertebrate and new fish sample data were assessed, but no macroinvertebrate or fish Index of Biotic Integrity (IBI) scored in the "poor" condition category. New temperature sample data exceed 2018 WisCALM listing criteria for the Fish and Aquatic Life use.		

TMDL ID	2018-086	TMDL Priority	Low
Date Listed	04/01/2018	Confirmed?	
Pollutant	Total Phosphorus	Listed For:	Fish and Aquatic Life
Impairment	Impairment Unknown	Current Use:	Cold (Class II Trout)
TMDL Status	Proposed for List	Attainable Use:	Cold (Class II Trout)
		Designated Use:	FAL Coldwater

Impaired Waters Notes: 07/20/2017 This water was assessed during the 2018 listing cycle; new total phosphorus sample data exceed 2018 WisCALM listing criteria for the Fish and Aquatic Life use, however, available biological data do not indicate impairment. Existing macroinvertebrate and new fish sample data were assessed, but no macroinvertebrate or fish Index of Biotic Integrity (IBI) scored in the "poor" condition category.

Document Title	Author Name	Comment
Comprehensive 2018 River/Stream Water Quality Assessments	Water Evaluation Section	

TMDL ID	847	TMDL Priority	Delisted 2004
Date Listed	04/01/2002	Confirmed?	
Pollutant	Mercury		
Impairment	Contaminated Fish Tissue		
TMDL Status	Water Delisted		

Impaired Waters Notes: 04/01/2008 TMDL ID 847 assigned to this segment; no previously assigned ID could be found.

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Official Waterbody Name	West Branch Sugar River	Biologist	Beranek, Ashley E
Local Waterbody Name	West Branch Sugar River	WBIC	886100
Water Type	RIVER	County(ies)	Dane
Start Mile	0	Watershed(s)	SP16
End Mile	7.64	Trophic Status	TSI Not Applicable to Non-Lake
Size	7.64	NPS Rank	Not Ranked
Measurement Unit	MILES	Last Monitored	10/03/2017
303d Listed?	Y		
DNR Category	Category 5P		
Assessment Level	Monitored		
Assessment Unit Comments	This AU: Mouth to Highway 92. 303d delisted in 2004.		
Water Quality Trends	Water is impaired due to one or more pollutants and associated quality impacts.		
Comments:	<p>This water was assessed during the 2012 listing cycle, and total phosphorus sample data exceed 2012 WisCALM listing criteria for the fish and aquatic life use; however, available biological data do not indicate impairment (i.e. no macroinvertebrate or fish Index of Biotic Integrity (IBI) scored in the "poor" condition category). This stream segment was reassessed during the 2012 assessment cycle using data from 2001-2010 and revised assessment methodology (draft 2014 WisCALM). Using this methodology, total phosphorus data exceed criteria for the Fish and Aquatic Life use; however, available biological data do not indicate impairment.</p> <p>This water was assessed during the 2014 listing cycle; total phosphorus sample data exceed 2014 WisCALM listing criteria for the Fish and Aquatic Life use, however, no biological data (i.e. no macroinvertebrate or fish Index of Biotic Integrity (IBI) scores) were available to assess biological impairment).</p> <p>This water was assessed during the 2016 listing cycle; total phosphorus sample data exceed 2016 WisCALM listing criteria for the Fish and Aquatic Life use, however, no biological data (i.e. no macroinvertebrate or fish Index of Biotic Integrity (IBI) scores) were available to assess biological impairment.</p> <p>This water was assessed during the 2018 listing cycle; new total phosphorus sample data exceed 2018 WisCALM listing criteria for the Fish and Aquatic Life use, however, available biological data do not indicate impairment (i.e. no macroinvertebrate or fish Index of Biotic Integrity (IBI) scored in the "poor" condition category).</p>		

TMDL ID	2012-19	TMDL Priority	Medium
Date Listed	04/01/2012	Confirmed?	
Pollutant	Total Phosphorus	Listed For:	Fish and Aquatic Life
Impairment	Impairment Unknown	Current Use:	Cold (Class II Trout)
TMDL Status	303d Listed	Attainable Use:	Cold (Class II Trout)
		Designated Use:	Cold

Impaired Waters Notes:	05/20/2013	This stream segment was assessed during the 2012 listing cycle, and total phosphorus sample data exceed criteria for the fish and aquatic life use.
	02/27/2014	This water was assessed during the 2014 listing cycle; total phosphorus sample data exceed 2014 WisCALM listing criteria for the Fish and Aquatic Life use, however, no biological data (i.e. no macroinvertebrate or fish Index of Biotic Integrity (IBI) scores) were available to assess biological impairment).
	10/07/2015	This water was assessed during the 2016 listing cycle; total phosphorus sample data exceed 2016 WisCALM listing criteria for the Fish and Aquatic Life use, however, no biological data (i.e. no macroinvertebrate or fish Index of Biotic Integrity (IBI) scores) were available to assess biological impairment.

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Document Title	Author Name	Comment
2012 TP package results using 2014 WisCALM protocols	WDNR	updated TP Package output for the 2012 assessment period (using the 2014 WisCALM)
Comprehensive 2014 TP IBI Rivers Assessment	Water Evaluation Section	
Comprehensive 2016 Rivers Stream Assessments	Water Evaluation Section	

TMDL ID	846	TMDL Priority	Delisted 2004
Date Listed	04/01/2002	Confirmed?	
Pollutant	Sediment/Total Suspended Solids	Listed For:	Fish and Aquatic Life
Impairment	Degraded Habitat	Current Use:	Cold (Class II Trout)
TMDL Status	Water Delisted	Attainable Use:	Cold (Class II Trout)
		Designated Use:	Cold

Impaired Waters Notes: 04/01/2008 Assigned TMDL of 846 to this water. No previously assigned ID could be found.