

TMDL Information for National TMDL Tracking System (NTTS)

TMDL Document Name: Martin Branch, WI TMDL

Is more than one pollutant load assigned? If yes, use additional tables provided below.

Segment Name (if unlisted, identify with an “*”))	Parsons Creek
Segment ID	136000-611 136000 (2.58-3.49)* 136000 (3.49-5.68)* Church Road subwatershed 136200 (.01-1.89)* East Tributary
State	WI
Pollutant	TSS, phosphorus, ammonia; TSS for Church Road and East Trib
Impairment(s) addressed (if unlisted, identify with an “*”))	See Below
Pollutant Type (PS, NPS, both?)	NPS for ammonia and phosphorus; both for TSS
Loading Capacity	See below
WLA	See Below
Permit ID # (indicate if NPDES)	
Federal TMDL?	no
TMDL Approval Date	9/28/07

Waterbody Name	WBIC	TMDL ID	Stream Miles	Pollutant	Impairment
Parson’s Creek	136000	611	0-2.58 (2.58 mi)	TSS, phosphorus, ammonia	Sedimentation, degraded habitat, aquatic toxicity
Parson’s Creek*	136000	NA	2.58-3.49 (.91 mi)	TSS, phosphorus, ammonia	Sedimentation degraded habitat
Parsons Creek* (Church Road)	136000	NA	3.49-5.68 (2.19 mi)	TSS	Sedimentation degraded habitat
East Tributary*	136200	NA	.01-1.89 (1.88 mi)	TSS	Sedimentation degraded habitat

**unlisted segments were entered into NTTS in the following format:

WI136000_(2.58-3.49)

WI136000_(3.49-5.68)

WI136200_(0.01-1.89)

Ammonia

		Load capacity values at varying flows			Wasteload & Load Allocations	
pH	Acute Max Conc. Limit (NH3-N mg/L)	% Flow exceedance (low, med, high flows)	Flow (cfs)	Max daily load (lb/d)	Waste Load Allocation	Load Allocation
8.7 (highest documented pH)	1.47	90%	1.2	9.51	0	9.51
		50%	2.6	20.60	0	20.60
		10%	5.6	44.37	0	44.37
8.4 (average pH Apr.-Oct.)	2.59	90%	1.2	16.75	0	16.75
		50%	2.6	36.30	0	36.30
		10%	5.6	78.18	0	78.18

Phosphorus

	Load capacity values at varying flows				Wasteload & Load Allocations		
	% Flow exceedance (low, med, high flows)	Flow (cfs)	Median daily load (lb/d)	Max daily load (lb/d)	WLA	LA	
					Median & Max (lb/d)	Median (lb/d)	Max. (lb/d)
'Normal flow' target (for flows <8 cfs) (use 0.06 mg/L median and .19 mg/L max. target conc.)	90%	1.2	0.4	1.2	0	0.4	1.2
	50%	2.6	0.8	2.7	0	0.8	2.7
	10%	5.6	1.8	5.7	0	1.8	5.7
'High flow' target (for flows >8 cfs) (use high flow calculation)	5%	8	6.4	NA	0	6.4	NA
	2%	14.6	21.3	NA	0	21.3	NA

TSS

	Load capacity values at varying flows				Wasteload & Load Allocations		
	% Flow exceedance (low, med, high flows)	Flow (cfs)	Median daily load (lb/d)	Max daily load (lb/d)	WLA *	LA	
					Max. (lb/d)	Median (lb/d)	Max. (lb/d)
'Normal flow' target (for flows <8 cfs) (use 8 mg/L median and 28 mg/L max. target conc.)	100%	.62	27	94	7	20	87
	90%	1.2	52	181	14	38	167
	50%	2.0	86	302	24	62	278
	10%	5.6	242	845	66	176	779
'High flow' target (for flows >8 cfs) (use 59 mg/L median and 230 mg/L max target conc.)	5%	8.0	2544	9918	94	2450	9824
	2%	14.6	4643	18100	94	4549	18006

WLA for TSS

Wastewater Source	FIN # (Site ID)	WPDES Permit #	TSS Conc. Permit Limit (mg/L)	% Flow exceedance (low, med, high flows)	Individual WLA (amount discharged) (lb/d TSS)
Michel's Materials (Hamilton #84 Quarry)	3644	WI-0046515-04-01	40	100%	3.5
				90%	7
				50%	12
Oakfield Stone Co., Inc. (Byron Quarry)	33311	WI-0046515-04-01	40	10%	33
				5%	47
				2%	47