

## Appendix 1. Wisconsin's Nutrient Reduction Framework HUC 10 Data Table

The following table contains summary information for all HUC 10s in Wisconsin. The table rows are divided by major basin: Lake Superior (listed first), Lake Michigan (listed second), and Mississippi River (listed third). The table includes thirteen columns with information about each HUC 10 watershed. Below is a column-by-column description.

Columns 1 and 2 are watershed identifiers.

1. **HUC 10 Code.** The federal Hydrologic Unit Classification 10-digit number for the watershed. HUC 10s do span state boundaries and some have very small areas in Wisconsin.
2. **HUC 10 Name.** The federal Hydrologic Unit Classification 10-digit watershed official name.

Columns 3 (“% agriculture”) through 8 (“Contains ORW/ERW Water”) provide contextual information about each watershed to supplement the ranking information in columns 9 through 13.

3. **% Agriculture.** The percent of the land area within the HUC 10 watershed in agricultural use (source: Wisconsin statewide GIS land cover and hydrography data sets)
4. **% Urban.** The percent of the land area within the HUC 10 watershed in urban use (source: Wisconsin statewide GIS land cover and hydrography data sets)
5. **PRESTO PS NPS Ratio.** The percent of the phosphorus contribution within the HUC 10 watershed estimated from point sources and nonpoint sources using the Pollutant Load Ratio Estimation Tool (PRESTO). The wastewater point source information is from the 2009-2011 Discharge Monitoring Reports submitted by the facilities. The nonpoint source contribution is based on a suite of models with the middle range result used. The values are expressed as percentages.
6. **Contains Nutrient/Sediment Impaired Water.** Identifies if the HUC 10 watershed includes a water body listed as impaired for nutrients or sediments. Information is based on the 2012 303(d) list. Since sediment impaired waters generally require similar management of phosphorus impaired waters, they are also included as reference information. In a few cases, bacteria impaired waters are included. None of the waters are impaired due to total nitrogen.
7. **Within Approved TMDL.** Identifies if the HUC 10 watershed is within the basin or watershed included in an EPA approved TMDL.

8. **Contains ORW/ERW Water.** Identifies if the HUC 10 watershed contains a state Outstanding Resource Water (ORW) or Exceptional Resource Water (ERW).

Columns 9A through 12 contain ranking information separately for phosphorus and nitrogen. HUC 10s with only a few square miles in Wisconsin are not given values and are marked “na”. For these columns, HUC 10 watersheds in the Lake Superior Basin were not ranked (see additional notes below).

9. **TP Yield Decile (SPARROW Model).** This column has two parts. Both are based on phosphorus attributes of the USGS SPARROW model for nonpoint sources. Yields are loads per unit area, such as pounds per acre per average year. The left part (“Incr.”) contains the incremental yield for use when considering local impacts. The right part (“Del’d”) contains the delivered yield for use when considering transport of phosphorus to downstream waters, such as the Mississippi River or Lake Michigan. All values are expressed in deciles. For example, the highest 10 percent are in decile 10, while the lowest 10 percent are in decile 1. HUC 10 watersheds in the Lake Superior Basin were not ranked as the decile range is comparable to deciles 1-4 for Lake Michigan and Mississippi River.
10. **TP Concentration Decile (monit’d).** This column uses monitored stream information to rank HUC 10 watersheds based on median growing season phosphorus concentrations. Deciles are based on highest to lowest concentrations. Over 80 percent of the information is from a 2006 to 2011 WDNR rotation watershed study of watersheds (described in chapter 8) where, if practical, the downstream “pour” point was measured. A minimum of four samples was needed to use the information. For about 10 percent of the HUC 10 watersheds, information from similar studies was used. For the remaining HUC 10s, results were extrapolated from similar, nearby HUC 10s. For deciles 1 through 4, the median concentrations were less than the Wisconsin water quality standards criterion for phosphorus. HUC 10 watersheds in the Lake Superior Basin were not ranked as the decile range is comparable to deciles 1-4 for Lake Michigan and Mississippi River.
11. **TN Yield Decile (SPARROW Model).** This column has two parts. Both are based on nitrogen attributes of the USGS SPARROW model for nonpoint sources. Yields are loads per unit area, such as pounds per acre per average year. The left part (“Incr.”) contains the incremental yield for use when considering local impacts. The right part (“Del’d”) contains the delivered yield for use when considering transport of nitrogen to downstream waters, such as the Mississippi River or Lake Michigan. All values are expressed in deciles. For example, the highest 10 percent are in decile 10, while the lowest 10 percent are in decile 1. HUC 10 watersheds in the Lake Superior Basin were not ranked as the decile range is comparable to deciles 1-4 for Lake Michigan and Mississippi River.
12. **TN Concentration Decile (monit’d).** This column uses monitored stream information to rank HUC 10 watersheds based on median growing season total nitrogen concentrations. Deciles are based on highest to lowest concentrations. Over 80 percent of the information is from a 2006 to 2011 WDNR rotation watershed study of watersheds (described in chapter 8) where, if practical, the downstream “pour” point was measured. A minimum of four samples was needed to use the information. For about 10 percent of the watersheds, only nitrite-nitrate results were used due to the lack of laboratory results for Total Kjeldahl Nitrogen. For about 5 percent of the HUC 10 watersheds, information from similar studies

was used. For the remaining HUC 10s, results were extrapolated from similar, nearby HUC 10s. HUC 10 watersheds in the Lake Superior Basin were not ranked as the decile range is comparable to deciles 1-4 for Lake Michigan and Mississippi River.

13. **Safe Drinking Water Nutrient Impacts.** The last column also uses decile ranking of watersheds with safe drinking water nutrient impacts. The deciles are based on the number and frequency of public drinking water wells located in the HUC 10 watershed with nitrate concentrations exceeding 5 mg/L based on samples from the wells reported to WDNR. A HUC 10 ranking high would have a number of public wells with a high percent with nitrate levels exceeding 5 mg/L. A HUC 10 ranking low could have low concentrations, few wells or only a small number of the wells with concentrations exceeding 5 mg/L.

HUC 10 CODE	HUC 10 NAME	% Agr	% Urban	PRESTO PS NPS Ratio	Contains Nutrient/Se diment Impaired Water	Within Appr'd TMDL	Contains ORW/ ERW Water	TP Yield Decile (SPARROW Model) (1)		TP Conc Decile (Monit'd)	TN Yield Decile (SPARROW Model) (1)		TN Conc Decile (Monit'd)	Safe Drinking Water Nutrient Impacts
								Incr.	Del'd		Incr.	Del'd		

Lake Superior Basin														
0401020116	St. Louis River	2	19	25:75			Yes			1-4			1-3	1
0401030101	South Fork Nemadji River	13	3	0:100						1-4			1-3	1
0401030102	Upper Nemadji River	-	-	0:100						1-4			1-3	1
0401030103	Black River	4	2	0:100			Yes			1-4			1-3	1
0401030104	Middle Nemadji River	8	3	0:100	Yes		Yes			1-4			1-3	1
0401030105	Lower Nemadji River	15	9	0:100	Yes		Yes			1-4			1-3	1
0401030106	Amnicon River-Frontal Lake Superior	12	4	0:100			Yes			1-4			1-3	1
0401030107	Bois Brule River	2	5	2:98			Yes			1-4			1-3	1
0401030108	Iron River-Frontal Lake Superior	8	6	5:95			Yes			1-4			1-3	1
0401030109	Bayfield Pen NW-Frontal L Superior	3	4	1:99			Yes			1-4			1-3	1
0401030110	Bayfield Peninsula SE-Fr Lake Superior	4	4	0:100			Yes			1-4			1-3	1
0401030111	Fish Creek-Frontal Chequamegon Bay	18	6	0:100			Yes			1-4			1-3	1
0401030201	Montreal River	2	5	4:96			Yes			1-4			1-3	1
0401030202	Tyler Forks	2	3	0:100			Yes			1-4			1-3	1
0401030203	Headwaters Bad River	1	4	3:97			Yes			1-4			1-3	1
0401030204	Marengo River	12	4	0:100			Yes			1-4			1-3	1
0401030205	Potato River	4	3	0:100			Yes			1-4			1-3	1
0401030206	White River	6	3	0:100			Yes			1-4			1-3	1
0401030207	Bad River	2	2	0:100						1-4			1-3	1
0402010102	Black River	-	2	0:100						1-4			1-3	1
0402010103	Presque Isle River	0	5	0:100						1-4			1-3	3
0402010201	South Branch Ontonagon River	0	4	0:100						1-4			1-3	1

Lake Michigan Basin														
0403010101	East Twin River-Frontal Lake Michigan	70	7	0:100			Yes			5			8	5
0403010102	West Twin River	73	8	3:97	Yes					5			7	6
0403010103	North Branch Manitowoc River	73	7	7:93	Yes					10			9	1
0403010104	South Branch Manitowoc River	70	7	7:93	Yes					10			9	10
0403010105	Branch River	75	6	2:98			Yes			6			10	8
0403010106	Manitowoc River-Frontal Lake Michigan	62	12	5:95	Yes		Yes			9			9	9
0403010107	Sevenmile & Silver Crs-Frontal L Mich	75	10	1:99	Yes		Yes			9			9	1
0403010108	Pigeon River	71	11	4:96						8			8	1
0403010109	Mullet River	56	10	32:68			Yes			10			10	1
0403010110	Onion River	76	7	21:79	Yes		Yes			10			10	1
0403010111	Sheboygan River-Frontal Lake Michigan	60	11	12:88	Yes		Yes			8			5	6
0403010112	Black R, Sauk & Sucker Crs-Fri L. Mich	67	17	10:90						10			7	1
0403010201	Upper Door Peninsula	41	9	3:97	Yes		Yes			4			9	7
0403010202	Ahnapee River and Stony Creek	70	6	2:98						7			7	5
0403010203	Kewaunee River	78	6	1:99			Yes			10			8	4
0403010204	Red River and Sturgeon Bay	60	8	0:100			Yes			10			10	3
0403010301	Pensaukee River-Frontal Green Bay	51	6	1:99						7			8	1
0403010302	Suamico & L. Suamico Rs-F Green Bay	60	8	0:100						8			8	1
0403010401	South Branch Oconto River	9	4	0:100			Yes			2			5	5
0403010402	North Branch Oconto River	5	4	7:93			Yes			2			4	4

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								Incr.	Del'd		Incr.	Del'd		
0403010403	Peshigo Brook	7	4	0:100				2	4	3	2	5	5	2
0403010404	Little River	55	5	1:99				7	8	7	6	7	4	1
0403010405	Oconto River	38	8	21:79			Yes	5	6	4	5	7	5	4
0403010501	Rat River	3	3	6:94			Yes	2	3	3	2	2	1	1
0403010502	Upper Peshigo River	5	3	0:100			Yes	2	3	3	2	3	1	1
0403010503	Middle Inlet-Lake Noquebay	14	5	0:100			Yes	1	2	1	3	3	2	3
0403010504	Middle Peshigo River	4	4	11:89			Yes	2	4	2	1	2	3	6
0403010505	Little Peshigo River	42	5	5:95			Yes	4	6	6	5	7	5	7
0403010506	Lower Peshigo River	31	8	7:93			Yes	4	6	6	4	6	7	2
0403010601	North Branch Paint River	-	-	0:100				na	na	na	na	1	3	1
0403010603	Iron River-Brule River	1	3	0:100			Yes	3	4	2	1	1	2	1
0403010605	Brule River	7	3	0:100			Yes	1	3	2	2	3	2	1
0403010801	Popple River	2	2	0:100			Yes	1	3	2	1	2	2	1
0403010802	Pine River	2	2	0:100			Yes	2	3	1	1	2	2	2
0403010805	Pembonwon River	4	4	0:100			Yes	1	2	1	1	3	1	8
0403010806	Pike River	3	4	0:100			Yes	1	3	1	2	3	1	1
0403010807	Squaw Creek-Menominee River	9	5	48:52			Yes	4	5	3	2	3	2	4
0403010809	Menominee River	13	6	33:67			Yes	2	4	3	3	5	1	3
0403020101	Swan Lake-Fox River	63	6	0:100			Yes	5	4	1	7	4	10	9
0403020102	Neenah Creek	49	5	10:90	Yes		Yes	4	2	4	6	4	5	7
0403020103	Montello River	42	6	13:87			Yes	3	1	7	4	2	7	9
0403020104	Upper Grand River	81	6	33:67				9	6	9	9	6	10	7
0403020105	Lower Grand River	62	4	0:100				5	5	7	6	5	10	9
0403020106	Buffalo and Puckaway Lakes-Fox River	42	6	6:94	Yes			4	2	6	5	3	5	8
0403020107	Mecan River	38	5	0:100			Yes	3	1	2	4	3	8	4
0403020108	White River	37	7	13:87			Yes	3	2	3	4	4	7	8
0403020109	Big Green Lake	63	8	12:88	Yes		Yes	7	1	4	5	1	10	6
0403020110	Rush Creek	67	4	0:100			Yes	7	6	8	9	7	8	7
0403020111	City of Berlin-Fox River	54	5	20:80	Yes		Yes	5	5	4	7	6	5	5
0403020112	Lake Butte des Mortes	56	19	57:43	Yes		Yes	8	6	10	8	6	7	2
0403020201	Swamp Creek	4	4	0:100			Yes	1	1	3	1	1	2	5
0403020202	Lily River	5	4	0:100			Yes	1	1	2	2	1	1	6
0403020203	Evergreen River-Wolf River	7	4	0:100			Yes	2	1	3	2	1	3	5
0403020204	West Branch of the Wolf River	9	4	0:100			Yes	3	1	2	3	1	3	3
0403020205	Red River	24	4	6:94			Yes	3	2	2	4	2	3	8
0403020206	Shawano Lake	29	9	0:100	Yes		Yes	4	3	6	3	2	3	3
0403020207	Legend Lake-Wolf River	6	5	0:100			Yes	3	2	4	3	2	4	
0403020208	Shioc River	65	6	4:96	Yes		Yes	8	6	10	8	6	8	2
0403020209	School Section Creek-Wolf River	38	6	28:72	Yes		Yes	6	5	5	6	5	9	2
0403020210	Middle & South Branches Embarrass R	32	6	6:94	Yes		Yes	5	4	5	4	3	4	8
0403020211	Pigeon River	47	7	20:80	Yes		Yes	6	5	8	6	5	4	9
0403020212	North Branch & Mainstem Embarrass R	38	5	11:89	Yes		Yes	5	4	5	5	4	5	9
0403020213	Bear Creek-Embarrass River	62	5	2:98	Yes		Yes	9	6	9	8	6	6	5
0403020214	Bear Creek-Wolf River	59	10	16:84	Yes		Yes	10	7	9	8	6	9	1
0403020215	Flume Creek-Little Wolf River	32	4	0:100	Yes		Yes	3	2	4	3	2	6	9
0403020216	South Branch of the Little Wolf River	41	5	12:88	Yes		Yes	4	3	4	5	4	8	5
0403020217	Blake Creek-Little Wolf River	50	5	1:99	Yes		Yes	6	5	4	6	5	6	7

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								Incr.	Del'd		Incr.	Del'd		
0403020218	Waupaca River	51	7	21:79			Yes	4	3	5	5	4	6	10
0403020219	Partridge Lake-Wolf River	47	6	16:84			Yes	6	5	6	6	4	8	5
0403020220	Willow Creek-Pine Rver	44	5	14:86	Yes	Yes	Yes	4	2	5	5	4	4	6
0403020221	Lake Poygan	57	6	6:94	Yes			5	5	9	7	5	8	8
0403020301	West Shore of Lake Winnebago	65	23	0:100	Yes			9	7	7	5	5	1	2
0403020302	Fond du Lac River	65	10	8:92	Yes	Yes	Yes	9	7	10	9	7	10	3
0403020303	East Shore of Lake Winnebago	65	17	4:96	Yes			8	7	9	7	7	10	7
0403020304	Lake Winnebago (2)	0	0	na	Yes			na	na	na	na	1	na	1
0403020401	Duck Creek-Frontal Green Bay	60	16	2:98	Yes	Yes		10	9	8	8	8	4	1
0403020402	Plum Creek-Fox River	43	40	70:30	Yes	Yes		10	10	10	8	9	6	1
0403020403	East River	65	20	3:97	Yes	Yes		10	10	10	9	9	5	1
0403020404	Fox River-Frontal Green Bay	55	30	53:47	Yes	Yes		10	10	10	9	9	6	1
0404000201	Oak Creek-Frontal Lake Michigan	10	61	89:11	Yes			7	8	5	4	7	3	1
0404000202	Root River Canal	78	8	11:89	Yes			8	9	8	10	10	2	1
0404000203	Root River	35	42	7:93	Yes			8	9	8	3	6	2	1
0404000204	Pike River-Frontal Lake Michigan	32	47	43:57	Yes			8	9	7	8	9	7	1
0404000205	Waukegan River-Frontal Lake Michigan	26	32	0:100				na	na	na	na	1	na	1
0404000301	North Branch Milwaukee River	65	6	13:86	Yes		Yes	6	7	7	9	9	9	2
0404000302	East & West Brs Milwaukee R-Milw R	52	10	23:77			Yes	6	7	5	6	8	7	8
0404000303	Cedar Creek	55	14	31:69				6	8	6	7	8	6	7
0404000304	Menomonee River	18	61	66:34	Yes			9	9	6	3	6	9	5
0404000305	Kinnickinnic River	-	83	31:69	Yes			9	10	6	4	7	3	1
0404000306	Milwaukee River-Frontal Lake Michigan	29	45	29:71	Yes			7	8	8	6	8	6	2

(1) The SPARROW incremental yield should be used when considering nutrient contributions to nearby waters. The SPARROW delivered yield should be used when considering nutrient contributions to Lake Michigan

(2) The Lake Winnebago HUC 10 only consists of the lake itself.

"na" is used when the HUC 10 has less than a few square miles of land in Wisconsin

Phosphorus concentrations less than the water quality standards criterion of 0.075 mg/L (75 ug/L) are in italics

Mississippi River Basin		% Urban	PRESTO PS NPS Ratio	Contains Nutrient/Se diment Impaired Water	Within Appr'd TMDL	Contains ORW/ ERW Water	TP Yield Decile (SPARROW Model) (1)		TP Conc Decile (Monit'd)	TN Yield Decile (SPARROW Model) (1)		TN Conc Decile (Monit'd)	Safe Drinking Water Nutrient Impacts
HUC 10 CODE	HUC 10 NAME						Incr.	Del'd		Incr.	Del'd		
0703000101	Upper St. Croix-Eau Claire Rivers	1	6	0:100	Yes	Yes	1	1	1	1	1	1	1
0703000102	Moose River-Saint Croix River	1	3	0:100	Yes	Yes	2	2	2	2	3	3	1
0703000103	Upper Tamarack River	1	2	0:100	Yes	Yes	3	3	2	2	1	1	1
0703000104	Shell Lake-Yellow River	24	7	1:99	Yes	Yes	2	2	4	2	3	3	1
0703000105	Yellow Lake-Yellow River	7	6	0:100	Yes	Yes	2	1	2	2	1	1	5
0703000106	Lower Tamarack River	0	1	0:100	Yes	Yes	2	2	2	2	1	1	1
0703000108	North Fork of the Clam River	28	4	0:100	Yes	Yes	3	3	5	1	1	1	2
0703000109	Clam River	18	5	2:98	Yes	Yes	3	3	4	3	3	1	1
0703000112	Chases Brook-Saint Croix River	4	4	0:100	Yes	Yes	2	2	3	2	3	3	1
0703000201	Upper Namekagon River	4	5	0:100	Yes	Yes	1	1	1	2	1	1	3
0703000202	Trego Lake-Namekagon River	9	6	0:100	Yes	Yes	2	2	1	2	1	1	2
0703000203	Totagatic River	2	4	0:100	Yes	Yes	1	1	2	1	1	1	1
0703000204	Namekagon River	5	5	0:100	Yes	Yes	1	1	1	2	2	1	1
0703000501	Wood River	28	5	13:87	Yes	Yes	2	2	4	3	3	1	3

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								Incr.	Del'd		Incr.	Del'd		
0703000502	Goose Creek-Saint Croix River	1	4	0:100		Yes	Yes	1	1	2	2	2	3	1
0703000505	Trade River	28	5	4:96		Yes	Yes	3	3	2	3	3	1	1
0703000506	Wolf Creek-Saint Croix River	44	4	0:100		Yes	Yes	3	4	3	4	4	3	3
0703000507	Beaver Brook-Apple River	37	5	6:94		Yes	Yes	3	4	5	4	4	5	6
0703000508	Balsam Branch-Apple River	48	6	7:93	Yes	Yes	Yes	3	3	5	4	4	3	8
0703000509	Big Marine Lake-Saint Croix River	45	7	58:42	Yes	Yes	Yes	5	5	3	4	4	7	8
0703000510	Willow River	65	7	3:97	Yes	Yes	Yes	6	6	6	5	6	8	10
0703000511	Kinnickinnic River	73	8	8:92		Yes	Yes	7	6	3	7	7	9	10
0703000512	Lake Saint Croix	45	14	71:29	Yes	Yes	Yes	5	5	3	4	5	9	8
0704000101	Big River-Mississippi River	65	6	4:96	Yes		Yes	7	7	3	6	7	8	9
0704000103	Trimbelle River	63	6	0:100			Yes	5	5	3	6	7	8	10
0704000104	Hay Creek-Mississippi River	31	16	45:55	Yes		Yes	na	na	na	na	na	na	9
0704000105	Rush River	70	7	5:95	Yes		Yes	9	9	1	8	8	9	9
0704000107	Lake Pepin	47	6	7:93				8	8	1	6	6	8	7
0704000301	Harvey Creek-Buffalo River	52	6	1:99	Yes		Yes	6	6	10	7	7	7	8
0704000302	Elk Creek-Buffalo River	43	4	0:100				7	7	10	7	7	8	2
0704000304	Waunaunde Creek	41	4	0:100	Yes	Yes	Yes	7	7	10	8	8	6	6
0704000306	City of Winona-Mississippi River	18	5	9:91	Yes	Yes	Yes	5	6	10	5	5	6	7
0704000501	Pigeon Creek	50	5	0:100				6	6	10	7	8	6	4
0704000502	Upper Trempealeau River	45	5	3:97	Yes	Yes	Yes	5	5	10	6	7	7	4
0704000503	Elk Creek	54	4	0:100				7	7	10	8	8	7	7
0704000504	Middle Trempealeau River	56	5	2:98	Yes	Yes	Yes	9	9	9	8	9	8	1
0704000505	Lower Trempealeau River	48	4	6:94	Yes	Yes	Yes	8	8	9	7	8	5	8
0704000601	Halfway Creek-Mississippi River	29	11	20:80	Yes	Yes	Yes	5	6	10	4	5	7	10
0704000602	Upper La Crosse River	14	8	3:97	Yes	Yes	Yes	4	4	4	4	4	2	5
0704000603	Middle La Crosse River	46	6	6:94	Yes	Yes	Yes	6	7	7	6	7	7	4
0704000604	Lower La Crosse River	38	11	3:97	Yes	Yes	Yes	7	7	8	5	6	7	3
0704000605	Pine Creek-Mississippi River	3	42	94:6				5	5	3	4	5	5	9
0704000701	Black-Little Black Rivers	36	6	8:92				5	5	7	4	4	5	2
0704000702	Popple River	68	5	9:91				10	10	10	9	9	4	6
0704000703	Trappers-Pine Creeks-Black River	45	4	7:93				9	9	5	9	9	2	4
0704000704	Rock Creek-Black River	68	5	2:98				10	10	9	10	10	4	10
0704000705	Wedges Creek	20	4	0:100				3	4	4	4	4	3	4
0704000706	East Fork of the Black River	13	3	0:100				2	3	3	3	3	3	1
0704000707	Morrison Creek	3	4	0:100	Yes		Yes	1	1	2	2	2	2	3
0704000708	Halls Creek	38	5	1:99	Yes		Yes	3	4	1	5	6	7	4
0704000709	Lake Arbutus-Black River	47	5	4:96	Yes		Yes	9	9	9	7	7	4	3
0704000710	Robinson Creek-Black River	15	7	5:95	Yes		Yes	2	3	5	3	4	3	5
0704000711	Beaver Creek	41	5	4:96	Yes		Yes	6	6	9	6	7	6	4
0704000712	Fleming Creek-Black River	34	5	1:99	Yes	Yes	Yes	4	4	10	5	5	7	10
0705000101	West Fork Chippewa River	0	3	0:100	Yes		Yes	2	1	2	2	1	1	1
0705000102	East Fork Chippewa River	2	3	0:100	Yes		Yes	2	2	3	2	2	1	1
0705000103	Lake Chippewa	2	3	0:100	Yes		Yes	1	1	1	1	1	2	4
0705000104	Couderay River	9	5	0:100	Yes		Yes	2	2	1	2	2	1	4
0705000105	Brunet River-Chippewa River	8	3	0:100	Yes		Yes	3	3	2	3	3	2	1
0705000106	Thornapple River	5	2	0:100	Yes		Yes	3	3	3	2	3	3	3
0705000107	Soft Maple Creek-Chippewa River	19	4	1:99	Yes	Yes	Yes	3	3	4	3	3	2	6

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								Incr.	Del'd		Incr.	Del'd		
0705000108	Deer Tail Creek	30	5	1:99				5	5	5	4	4	3	1
0705000109	Holcolmb Flowage-Chippewa River	14	4	0:100			Yes	3	3	6	3	3	4	7
0705000201	Manitowish River	0	5	0:100			Yes	1	1	1	1	1	1	5
0705000202	Bear River	1	5	0:100			Yes	1	1	1	1	1	2	2
0705000203	Flambeau Flowage-Headwaters Flambeau River	0	3	0:100			Yes	2	1	1	1	1	1	2
0705000204	Butternut Creek	10	4	0:100	Yes		Yes	3	3	2	2	2	2	1
0705000205	Upper Flambeau River	4	3	59:41			Yes	6	6	2	2	2	4	2
0705000206	Middle Flambeau River	1	2	0:100			Yes	2	2	2	2	2	2	1
0705000207	Lower Flambeau River	13	6	48:52			Yes	4	5	9	3	3	5	2
0705000301	Elk River	9	3	11:89	Yes		Yes	2	1	2	2	2	3	4
0705000302	Headwaters South Fork Flambeau River	2	3	0:100			Yes	1	1	2	1	1	3	3
0705000303	South Fork Flambeau River	4	2	3:97			Yes	2	2	4	2	2	4	1
0705000401	South Fork Jump River	7	3	4:96			Yes	3	3	5	2	2	3	1
0705000402	North Fork Jump River	13	3	2:98			Yes	4	4	8	3	3	3	1
0705000403	Main Creek	26	4	1:99			Yes	5	5	4	4	4	3	1
0705000404	Lower Jump River	22	3	1:99	Yes		Yes	4	4	4	3	3	4	3
0705000501	Fisher River-Chippewa River	35	4	7:93			Yes	5	5	6	5	5	4	7
0705000502	Upper Yellow River	19	3	1:99			Yes	4	4	6	3	3	4	1
0705000503	Lake Wisconsin	46	5	1:99	Yes		Yes	5	5	7	6	6	1	10
0705000504	Duncan Creek	68	8	2:98			Yes	8	8	9	8	8	4	10
0705000505	Trout Creek-Chippewa River	41	27	59:41			Yes	2	2	9	5	6	4	8
0705000506	Elk Creek	62	6	0:100			Yes	4	4	10	5	6	8	9
0705000507	Lows Creek-Chippewa River	47	14	40:60	Yes		Yes	8	8	10	5	5	6	9
0705000508	Muddy Creek-Chippewa River	63	6	12:88	Yes		Yes	4	4	10	6	6	8	8
0705000509	Muddy Creek-Chippewa River	55	5	0:100				3	4	10	6	6	8	9
0705000510	Eau Galle River	61	6	6:94	Yes		Yes	4	5	6	4	4	5	5
0705000511	Plum Creek	58	5	1:99				5	6	6	8	8	7	3
0705000512	Bear Creek-Chippewa River	40	4	4:96	Yes			5	5	6	1	2	8	8
0705000601	North Fork Eau Claire River	52	5	4:96	Yes		Yes	7	6	5	7	6	4	5
0705000602	South Fork Eau Claire River	32	3	1:99	Yes		Yes	5	5	3	5	5	2	6
0705000603	Hay Creek-Eau Claire River	26	4	0:100			Yes	3	3	7	3	3	4	7
0705000604	Otter Creek	61	13	0:100				4	4	10	5	5	3	7
0705000605	Eau Claire River	46	7	1:99			Yes	4	4	6	4	5	5	9
0705000701	Red Cedar Lake	7	4	0:100			Yes	2	2	3	1	1	2	3
0705000702	Yellow River	54	6	2:98			Yes	7	7	7	6	6	7	5
0705000703	Brill River-Red Cedar River	35	7	8:92	Yes		Yes	4	4	4	3	3	3	8
0705000704	Lake Chetek	34	6	2:98	Yes		Yes	1	1	8	1	1	1	10
0705000705	South Fork of the Hay River	61	5	2:98			Yes	6	5	4	6	6	7	7
0705000706	Hay River	51	5	3:97			Yes	6	6	7	6	5	5	8
0705000707	Lower Pine Creek-Red Cedar River	57	5	2:98	Yes		Yes	5	5	8	7	6	9	10
0705000710	Lake Menomin-Red Cedar River	53	8	7:93	Yes		Yes	5	5	7	6	6	6	7
0706000101	Coon Creek	48	5	3:97			Yes	8	9	7	6	7	6	6
0706000103	Bad Axe River	56	6	7:93			Yes	9	9	6	7	8	6	7
0706000105	Mormon Creek-Mississippi River	29	5	5:95				7	7	3	4	5	5	5
0706000107	Rush Creek-Mississippi River	34	4	1:99	Yes		Yes	8	8	4	5	6	6	3
0706000110	Bloody Run-Mississippi River	24	9	32:68	Yes		Yes	8	9	4	4	5	5	1
0706000301	Upper Grant River	77	6	1:99	Yes		Yes	10	10	6	9	9	10	5



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								Incr.	Del'd		Incr.	Del'd		
0706000302	Middle Grant River	81	7	3:97				10	10	7	10	10	9	3
0706000303	Lower Grant River	77	5	0:100				10	10	8	10	10	10	5
0706000304	Little Platte River	82	7	2:98	Yes	Yes	Yes	10	10	8	10	10	10	8
0706000305	Platte River	76	5	1:99	Yes	Yes	Yes	10	10	6	10	10	9	3
0706000307	Sny Magill Creek-Mississippi River	38	5	6:94	Yes			10	10	5	7	8	8	4
0706000502	Sinsinawa River-Mississippi River	85	7	1:99	Yes		Yes	10	10	4	10	10	10	7
0706000503	Galena River	87	6	6:94	Yes		Yes	10	10	4	10	10	10	2
0706000505	South Fork Apple River-Apple River	93	4	0:100				10	10	4	10	10	10	1
0707000101	Deerskin River	2	4	11:89			Yes	1	1	2	1	1	1	1
0707000102	Eagle River	2	5	14:86			Yes	1	1	1	1	1	2	5
0707000103	Pioneer Creek-Wisconsin River	2	5	0:100			Yes	1	1	2	1	1	2	2
0707000104	Rainbow Flow-Mud Creek-Wisconsin R	4	4	0:100			Yes	1	1	3	1	1	2	7
0707000105	Gillmore Creek-Big St. Germain River	0	6	0:100			Yes	1	1	2	1	1	2	8
0707000106	Rhineland Flowage-Upper Wisconsin R	4	5	8:92			Yes	1	1	1	1	1	2	5
0707000107	Pelican River	4	4	0:100			Yes	2	1	3	1	1	1	5
0707000108	Upper Tomahawk River	2	6	8:92			Yes	1	1	3	1	1	2	5
0707000109	Middle Tomahawk River	2	2	0:100			Yes	1	1	2	1	1	2	3
0707000110	Lower Tomahawk River	2	4	0:100			Yes	1	1	1	1	1	1	6
0707000111	Somo River	2	3	0:100			Yes	2	2	2	1	1	2	2
0707000112	Spirit River	5	3	0:100	Yes		Yes	3	2	5	2	1	1	2
0707000113	Lake Mohawksin-Lake Alice-Wisconsin R	5	6	86:14			Yes	2	1	2	2	1	2	2
0707000201	New Wood River	1	2	0:100			Yes	3	2	2	1	1	2	
0707000202	Copper River	12	2	0:100			Yes	3	3	5	3	2	3	
0707000203	Prairie River	11	5	4:96			Yes	2	2	3	2	2	2	3
0707000204	Alexander Lake-Wisconsin River	15	5	0:100			Yes	3	3	4	3	2	4	5
0707000205	Pine River	24	3	0:100			Yes	3	3	3	3	3	4	1
0707000206	Trappe River	30	4	0:100			Yes	6	5	3	4	4	4	1
0707000207	Black Creek	59	5	7:93			Yes	9	9	3	7	5	6	4
0707000208	Wood Creek-Big Rib River	22	4	1:99			Yes	5	4	4	6	5	2	3
0707000209	Little Rib River	55	6	0:100			Yes	6	5	2	6	5	6	9
0707000210	Scotch Creek-Big Rib River	60	9	10:90				8	7	6	8	6	5	8
0707000211	Spring Brook	46	6	30:70	Yes			4	3	7	8	6	9	10
0707000212	Black Brook-Eau Claire River	24	5	0:100			Yes	3	2	3	3	3	6	9
0707000213	Big Sandy Creek-Eau Claire River	40	7	0:100			Yes	5	4	3	5	4	4	9
0707000214	Eau Claire Flowage-Wisconsin River	35	18	62:38			Yes	10	9	4	5	4	4	6
0707000215	Djill Creek-Big Eau Pleine River	72	6	7:93	Yes		Yes	10	9	10	9	8	5	9
0707000216	Lake Dubay-Big Eau Pleine River	56	5	1:99	Yes		Yes	9	7	8	8	5	3	7
0707000217	Little Eau Pleine River	58	6	6:94				8	7	10	8	6	5	9
0707000218	Lake Dubay-Wisconsin River	26	7	56:44			Yes	7	6	4	4	3	5	6
0707000301	Plover River	34	8	0:100			Yes	4	4	1	4	4	7	10
0707000302	Mill Creek	66	8	32:68	Yes			8	8	9	9	8	1	2
0707000303	City of Stevens Point-Wisconsin River	36	11	75:25			Yes	7	6	9	5	4	1	9
0707000304	Fourmile Creek	59	10	0:100			Yes	4	4	1	5	5	10	10
0707000305	Tennille Creek	63	5	0:100			Yes	3	2	1	5	5	5	10
0707000306	Fourteenmile Creek	46	9	0:100				2	2	1	4	4	3	6
0707000307	Petenwell Lake	19	9	88:12	Yes		Yes	8	7	4	3	3	3	6
0707000308	Big Roche a Cri Creek	35	6	0:100			Yes	2	2	1	4	5	7	6

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								Incr.	Del'd		Incr.	Del'd		
0707000309	Little Roche a Cri Creek	33	6	5:95			Yes	2	2	2	4	4	7	4
0707000310	Hemlock Creek	52	5	2:98				4	4	7	4	4	3	1
0707000311	Rocky Creek-Yellow River	59	6	2:98			Yes	8	8	10	7	8	5	4
0707000312	Granberry Creek	20	5	0:100	Yes			7	6	1	3	3	2	1
0707000313	Mead Marsh-Yellow River	6	5	1:99				1	2	6	1	2	3	3
0707000314	Beaver Creek	4	3	0:100				1	2	5	2	3	4	1
0707000315	Upper Lemonweir River	32	8	2:98	Yes		Yes	4	4	7	3	4	5	10
0707000316	Middle Lemonweir River	38	6	4:96			Yes	3	4	7	5	6	5	2
0707000317	Lower Lemonweir River	49	7	4:96			Yes	4	5	6	6	6	4	6
0707000318	Petenwell Lake	25	6	0:100	Yes		Yes	2	2	3	3	4	7	5
0707000319	Dell Creek-Wisconsin River	36	9	14:86			Yes	4	5	5	4	5	6	10
0707000401	Headwaters of the Baraboo River	62	6	3:96	Yes		Yes	8	8	9	8	8	4	6
0707000402	Little Baraboo River-Baraboo River	60	6	4:96	Yes			9	9	8	8	9	5	4
0707000403	Narrows Creek-Baraboo River	62	7	14:86				9	9	9	9	9	5	9
0707000404	Devil's Lake-Baraboo River	44	9	8:92			Yes	7	7	8	7	8	6	5
0707000501	Duck Creek-Wisconsin River	57	5	6:94			Yes	6	6	5	7	7	8	10
0707000502	Prairie du Sac Dam-Wisconsin River	55	7	15:85	Yes		Yes	7	7	7	6	7	7	9
0707000503	Otter Creek-Wisconsin River	53	8	3:97			Yes	6	6	7	7	8	9	7
0707000504	Honey Creek	55	4	2:98				7	8	8	7	8	8	4
0707000505	Black Earth Creek	55	7	5:95	Yes		Yes	6	6	5	5	5	7	6
0707000506	Blue Mounds Creek	40	5	0:100			Yes	6	7	5	9	9	4	4
0707000507	Trout Creek-Mill Creek	41	5	0:100			Yes	7	8	7	7	8	6	7
0707000508	Otter Creek	50	4	0:100	Yes	Yes	Yes	9	9	5	8	9	6	3
0707000509	Bear Creek	42	4	0:100	Yes		Yes	5	6	9	5	7	6	1
0707000510	Willow Creek	49	4	1:99	Yes	Yes	Yes	6	7	6	7	8	9	1
0707000511	Pine River	48	5	6:94			Yes	9	10	7	6	7	4	5
0707000512	City of Spring Green-Wisconsin River	35	5	4:96	Yes		Yes	5	5	1	5	6	4	10
0707000513	Hoosier Hollow-Mill Creek	47	4	0:100			Yes	7	8	7	7	8	5	2
0707000514	Blue River	56	4	1:99	Yes	Yes	Yes	8	9	8	8	8	9	4
0707000515	Knapp Creek	38	4	0:100			Yes	7	7	5	6	7	5	1
0707000516	Big Green River	48	5	0:100			Yes	9	9	4	7	8	7	1
0707000517	City of Boscobel-Wisconsin River	35	6	2:98			Yes	7	7	3	5	7	7	8
0707000518	Wisconsin River	34	5	0:100			Yes	7	7	4	5	7	6	3
0707000601	Headwaters Kickapoo River	58	5	2:98			Yes	9	10	7	9	9	5	1
0707000602	West Fork Kickapoo River	57	5	0:100			Yes	8	9	4	7	8	6	3
0707000603	Bear Creek-Kickapoo River	43	5	2:98	Yes	Yes	Yes	8	8	9	7	8	5	4
0707000604	Tainter Creek-Kickapoo River	48	6	2:98			Yes	8	9	5	6	7	5	7
0707000605	Kickapoo River	41	4	1:99	Yes		Yes	8	9	5	6	7	7	1
0709000101	East Branch Rock River	72	8	13:87	Yes	Yes	Yes	8	7	10	8	6	8	7
0709000102	West Branch Rock River-Rock River	62	6	37:63	Yes	Yes	Yes	9	8	10	9	6	7	6
0709000103	Rubicon River	65	13	25:75			Yes	7	6	10	8	8	7	8
0709000104	Sinissippi Lake-Rock River	71	7	17:83	Yes	Yes	Yes	8	8	10	8	7	8	2
0709000105	Oconomoc River	43	18	42:58	Yes	Yes	Yes	3	3	4	7	7	3	8
0709000106	Ashpunn River-Rock River	70	8	9:91	Yes	Yes	Yes	7	7	6	8	7	8	3
0709000107	Headwaters Crawfish River	80	5	3:97			Yes	8	8	7	9	9	9	9
0709000108	Maunsha River	77	7	6:94	Yes	Yes	Yes	9	8	9	10	9	8	9
0709000109	Beaver Dam River	72	7	26:74	Yes	Yes	Yes	8	6	10	8	6	7	8

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								Incr.	Del'd		Incr.	Del'd		
0709000110	Crawfish River	76	7	10:90	Yes	Yes		9	9	10	10	10	8	1
0709000111	Johnson Creek-Rock River	68	10	31:69	Yes	Yes		10	9	9	9	9	6	3
0709000201	Scuppernong River	57	5	25:75	Yes	Yes		6	6	7	7	6	6	3
0709000202	Whitewater River	64	9	31:69	Yes	Yes	Yes	7	6	8	7	9	9	7
0709000203	Bark River	48	15	26:74		Yes		7	6	9	6	7	7	9
0709000204	Koshkonong Creek	70	10	32:68		Yes		6	6	9	9	9	9	9
0709000205	Headwaters Yahara River	76	14	13:87	Yes	Yes		1	1	7	1	1	9	10
0709000206	Lake Mendota-Yahara River	53	24	3:97	Yes	Yes	Yes	1	1	8	1	1	10	10
0709000207	Lake Monona-Yahara River	27	43	7:93	Yes	Yes		5	4	4	3	3	4	10
0709000208	Badfish Creek	78	9	90:9	Yes	Yes	Yes	6	6	10	10	10	10	8
0709000209	Lake Kegonsa-Yahara River	66	12	18:82	Yes	Yes		6	5	9	9	9	9	10
0709000210	Lake Koshkonong-Rock River	61	9	49:51	Yes	Yes	Yes	8	8	9	8	8	9	10
0709000211	Blackhawk Creek	75	16	0:100	Yes	Yes		6	7	4	9	9	10	10
0709000212	Bass Creek	86	5	8:92	Yes	Yes	Yes	7	7	5	10	10	10	10
0709000213	Marsh Creek-Rock River	66	16	82:18	Yes	Yes		5	5	2	8	9	9	10
0709000214	Turtle Creek	76	11	21:79	Yes	Yes	Yes	7	7	4	10	10	10	10
0709000215	City of Beloit-Lower Rock River	65	21	69:31	Yes	Yes		10	10	5	9	9	9	10
0709000301	Mineral Point Branch	84	6	2:98	Yes			10	10	8	10	10	9	1
0709000302	Headwaters Pecatonica River	86	4	0:100	Yes			10	10	7	10	10	10	1
0709000303	Ames Branch-Pecatonica River	88	5	1:99				10	10	9	10	10	10	5
0709000304	Dodge Branch	75	7	2:98	Yes	Yes		10	10	8	9	9	8	3
0709000305	Blue Mounds Branch	69	5	0:100	Yes	Yes	Yes	9	10	6	9	9	9	5
0709000306	Ridgeway Br-East Br Pecatonica R	71	6	14:86	Yes			10	10	8	9	9	8	7
0709000307	Yellowstone River	75	4	0:100				10	10	8	9	9	8	2
0709000308	East Branch Pecatonica River	77	4	1:99	Yes	Yes		10	10	9	10	10	9	8
0709000309	Spafford Creek-Pecatonica River	86	5	1:99	Yes	Yes		10	10	9	10	10	10	4
0709000310	Honey Creek-Pecatonica River	79	7	3:96	Yes	Yes		10	10	8	10	10	10	7
0709000311	Richland Creek	89	7	0:100	Yes	Yes	Yes	10	10	6	10	10	10	3
0709000312	Waddams Creek-Pecatonica River	na	na	na				na	na	na	na	na	na	na
0709000315	Raccoon Creek	74	5	0:100	Yes		Yes	8	8	5	9	10	10	6
0709000316	Pecatonica River	na	na	na				na	na	na	na	na	na	na
0709000401	West Branch Sugar River	70	6	2:98	Yes			9	9	7	9	9	10	8
0709000402	Headwaters Sugar River	66	17	19:81	Yes	Yes		9	9	6	9	9	9	10
0709000403	Allen Creek	82	7	12:88	Yes			7	8	6	9	10	10	9
0709000404	Little Sugar River	75	5	2:98	Yes	Yes		9	9	8	10	10	10	7
0709000405	Story Creek-Sugar River	76	5	2:98	Yes	Yes		7	8	6	10	10	10	7
0709000406	Sylvester Creek-Sugar River	82	5	3:97	Yes	Yes	Yes	9	9	8	10	10	9	6
0709000407	Taylor Creek-Sugar River	76	5	4:96	Yes		Yes	8	8	9	9	10	9	9
0709000408	Sugar Creek	86	2	0:100				na	na	na	na	na	na	1
0709000501	Keith Creek-Rock River	na	na	na				na	na	na	na	na	na	na
0709000603	Piscasaw Creek	85	9	67:33				6	7	8	6	7	10	8
0712000401	Headwaters Des Plaines River	60	15	5:95				9	8	8	10	9	8	1
0712000402	Mill Creek	63	12	17:82				9	8	6	6	5	8	1
0712000403	Bull Creek-Des Plaines River	na	na	na				na	na	na	na	na	na	na
0712000601	Pewaukee River-Fox River	27	45	68:32	Yes			5	3	7	3	2	6	6
0712000602	Mukwonago River	45	17	0:100			Yes	4	3	1	4	3	5	9
0712000603	Wind Lake Drainage	55	17	15:85	Yes			6	4	7	5	4	9	2

HUC 10 CODE	HUC 10 NAME	% Agr	% Urban	PRESTO PS NPS Ratio	Contains Nutrient/ diment Impaired Water	Within Appr'd TMDL	Contains ORW/ ERW Water	TP Yield Decile (SPARROW Model) (1)		TP Conc Decile (Monit'd)	TN Yield Decile (SPARROW Model) (1)		TN Conc Decile (Monit'd)	Safe Drinking Water Nutrient Impacts
								Incr.	Del'd		Incr.	Del'd		
0712000604	Sugar Creek	68	10	0:100	Yes	Yes		4	3	5	8	5	8	6
0712000605	Honey Creek	67	8	6:94	Yes	Yes		3	2	5	7	4	8	6
0712000606	White River	47	18	17:83	Yes		Yes	4	3	6	5	3	6	6
0712000607	Eagle Creek-Fox Creek	47	19	42:58			Yes	4	3	8	6	3	9	6
0712000608	North Branch Nippersink Creek	64	13	12:88				6	4	8	8	4	10	3
0712000609	Nippersink Creek	94	4	0:100				9	5	8	9	4	10	1
0712000610	Squaw Creek-Fox River	51	14	45:55				4	3	6	9	5	6	2